NEW ENGLAND FLOODS OF 1955

PART 3

FLOOD PROFILES

Corps of Engineers, U.S. Army - Office of the Division Engineer
New England Division - Boston, Mass.

NEW ENGLAND FLOODS OF 1955

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Corps of Engineers, U.S. Army - Office of the Division Engineer
New England Division - Boston, Mass.

APRIL 1956

NEW ENGLAND FLOODS OF 1955

PART III - FLOOD PROFILES

FOREWARD

This is Part III of a report in five parts on New England Floods of 1955.

The complete report presents the results of preliminary studies and investigations of the floods which occurred in New England as a result of the tropical storms of August and October 1955. The scope of data included in this report is limited to the material useful to the Corps of Engineers in studies pertaining to flood control investigations.

The complete report comprises five parts:

Part I - Storm Data.

Part II - Flood Discharges.

Part III - Flood Profiles.

Part IV - Flood Damages.

Part V - Effect of Flood Control Projects.

NEW ENGLAND FLOODS OF 1955

PART III - FLOOD PROFILES

CONTENTS

	Page
GENERAL INTRODUCTION	III - 1
Scope and Purpose	III - 1
HIGH WATER DATA	III - 1
Flood of August 1955	III - 1
Flood of October 1955	III - 3

LIST OF PLATES

Title	Plate No.
INDEX MAP	3 - 1
FLOOD PROFILES OF AUGUST 1955	
BLACKSTONE RIVER BASIN	
Blackstone River - Mile 0 to 22	3 - 2
" 22 to 41	3 - 3
" 41 to 53	3 - 4
THAMES RIVER BASIN	
Shetucket River	3 - 5
Willimantic River - Mile 0 to 29	3 - 6

NEW ENGLAND FLOODS OF 1955

PART III - FLOOD PROFILES

LIST OF PLATES (Cont'd)

Title	Plate No.
THAMES RIVER BASIN (Cont'd)	
Quinebaug River - Mile 0 to 25	3 - 7
" 24 to 45	3 - 8
" 44 to 57	3 - 9
" 56 to 71	3 -10
French River - " 0 to 18.3	3 -11
CONNECTICUT RIVER BASIN	
Chicopee River - Mile 0 to 18.1	3 -12
Quaboag River - " 0 to 25	3 -13
Ware River - " 0 to 28	3 -14
Ware and Swift Rivers	3 -15
Westfield River - Mile 0 to 20	3 -16
" 20 to 30	3 -17
Farmington River - Mile 0 to 25	3 -18
" 24 to 51	3 -19
" 50 to 78	3 -20
Mad and Still Rivers	3 -21
HOUSATONIC RIVER BASIN	
Naugatuck River - Mile 0 to 21	3 -22
" 20 to 42.2	3 -23

NEW ENGLAND FLOODS OF 1955

PART III - FLOOD PROFILES

LIST OF PLATES (Cont'd)

Title	Plate No.
HOUSATONIC RIVER BASIN (Cont'd)	
Housatonic River	3 - 24
Shepaug River	3 - 25
FLOOD PROFILES OF OCTOBER 1955	
HOUSATONIC RIVER BASIN	
Still River	3 - 26
CONNECTICUT COASTAL BASINS	
Saugatuck River	3 - 27
Norwalk River	3 - 28
Rippowam River	3 - 29

APPENDIX A

CONTENTS

	Page
DAM FAILURES	A - 1
Flood of August 1955	A - 1
	Table
PERTINENT DATA - DAM FAILURES	A - 1
	Plate
LOCATION MAP	A - 1

PART III - FLOOD PROFILES

GENERAL INTRODUCTION

1. Scope and Purpose. - Part III is a summary of the high water data for the major New England rivers and tributaries which experienced flooding during August and October 1955. Appendix "A," which is a summary of the available data on dam failures, is included for general information.

HIGH WATER DATA

2. Flood of August 1955. - Shortly after the Flood of August 1955, survey parties were sent out to locate and record the elevations of high water marks in the following river basins:

Blackstone River	Farmington River
Thames "	Lower Housatonic River
Chicopee "	Shepaug River
Westfield "	Naugatuck "

The surveyors were instructed to obtain high water marks above and below all bridges, dams, natural hydraulic controls, and at the mouth of major tributaries as well as data on normal river stages and the areal extent of flooding. When available, high water elevations for previous floods were also plotted.

3. Only a cursory review has been made of the flood profile data. Some of the elvations similar to those of past major floods, appear contradictory and difficult to understand. Some inconsistencies may possibly

be due to surveying errors, or misinterpretations of high water marks, but most of the suspected discrepencies are probably due to the incongruous characteristics of a major flood. Debris lines are not always reliable as they may reflect wave action on one bank of a river but not on the opposite side. There may be ride-up on the outside of sharp bends. Overbank flooding often is higher than flow in the river channel at the same cross-section because the overbank stage may be produced by upstream flow originating at a higher elevation. Temporary debris dams may cause abnormally high stages in a reach of a river thereby making the high water elevations appear incompatible with other stages a short distance downstream High water marks on one side of a river may be higher than the opposite side because of backwater conditions from a local tributary inflow

4. As it is difficult at times to comprehend the vagries of flood profiles, one should be cautioned in their interpretation. It should not be concluded that apparent inconsistencies are surveying errors, but rather that they are the result of local conditions affecting the high water stages. Use of the data requires an intelligent interpretation of the high water marks and an investigation of the local river characteristics that may have influenced the flood stages.

5. An index map showning the location of available high water data is shown in Plate No. 3-1 and the profiles of the August Flood are shown on Plates No. 3-2 through 3-25.

6. Flood of October 1955. - Following the Flood of October 1955 in southeastern New England, similar high water data was obtained for streams that experienced record flooding. These were the Still, Saugatuck, Norwalk and Rippowam Rivers as indicated on Plate No. 3-1 and whose profiles are shown on Plates No. 3-26 through 3-29.

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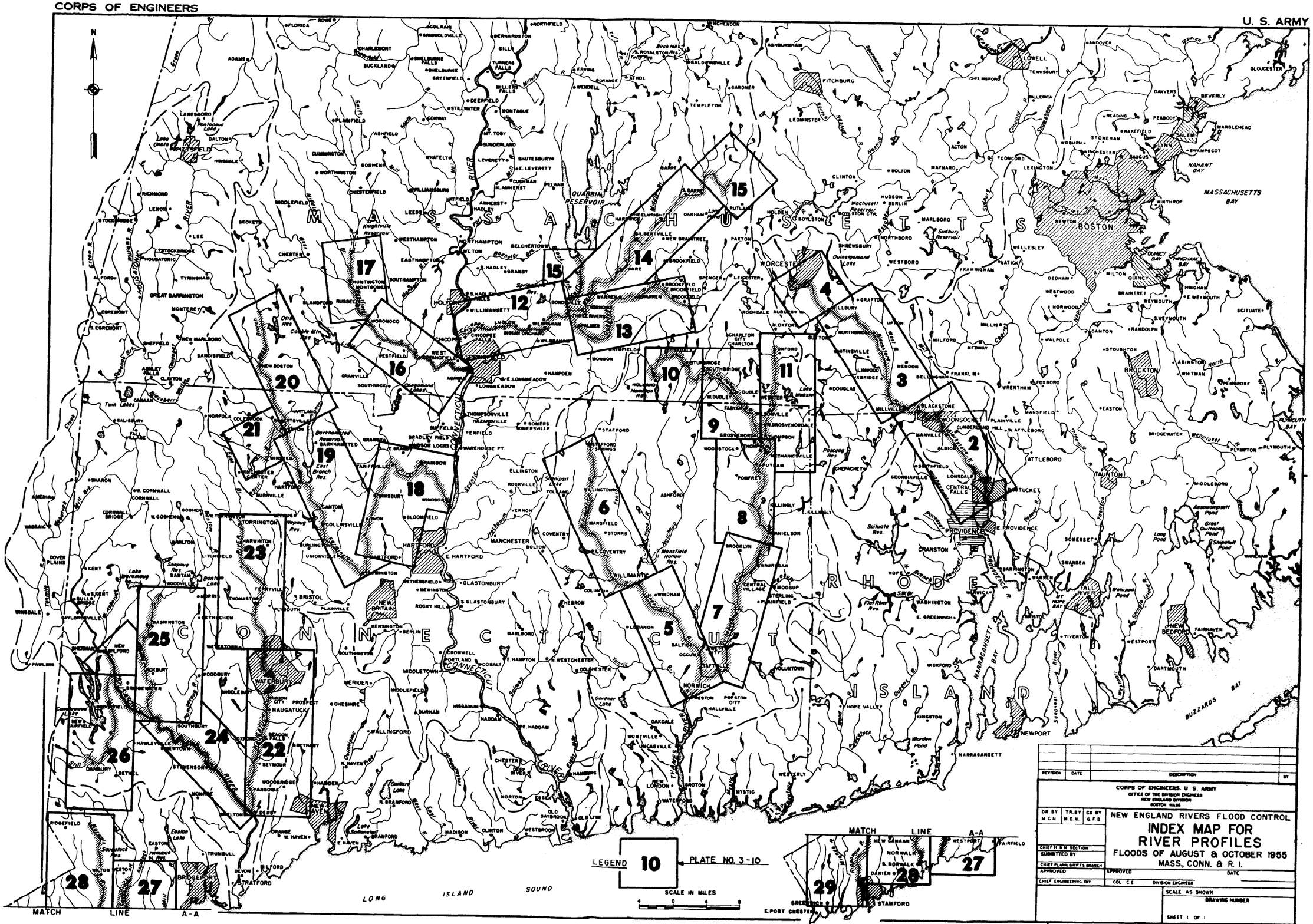
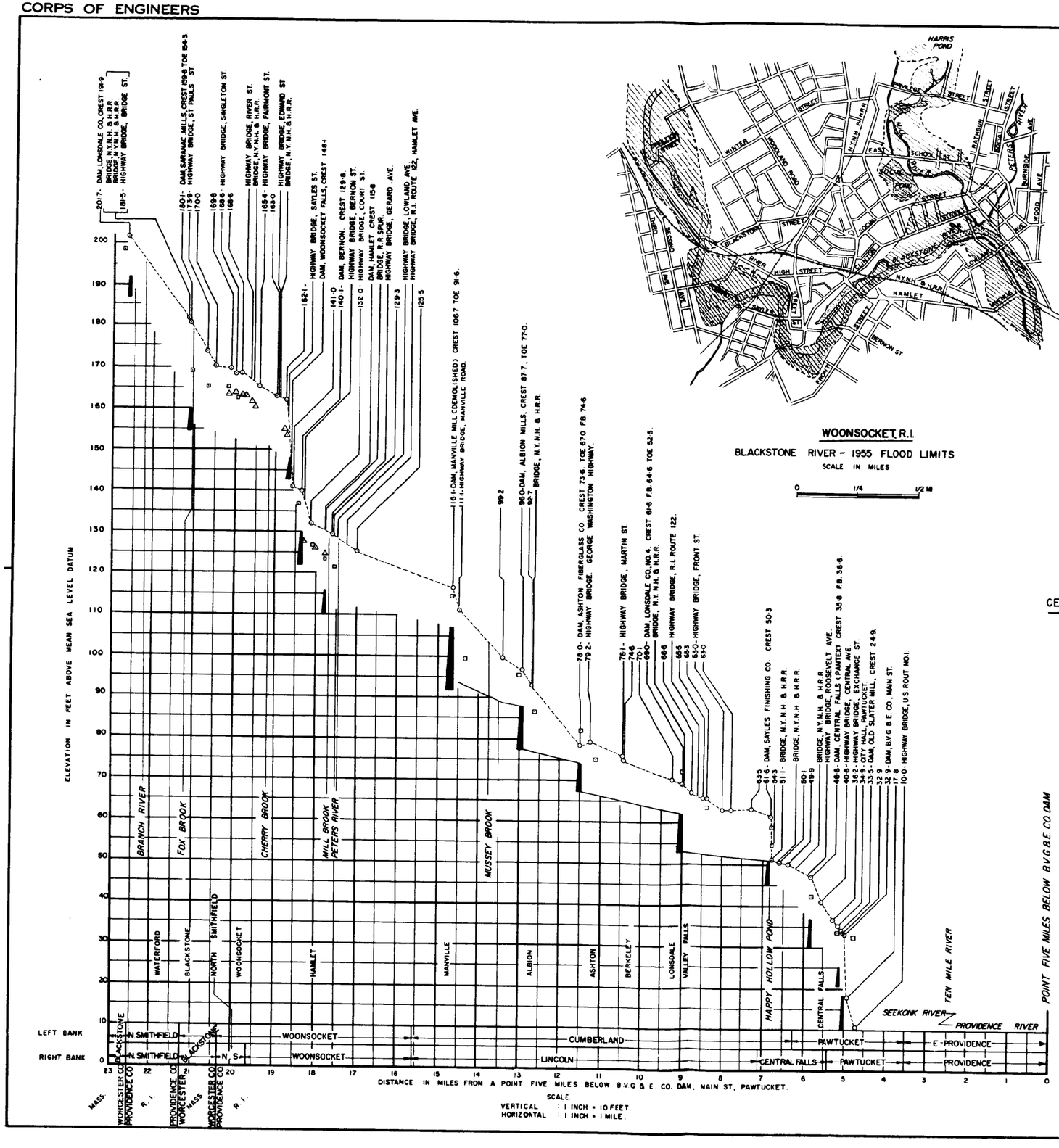


PLATE NO. 3-1

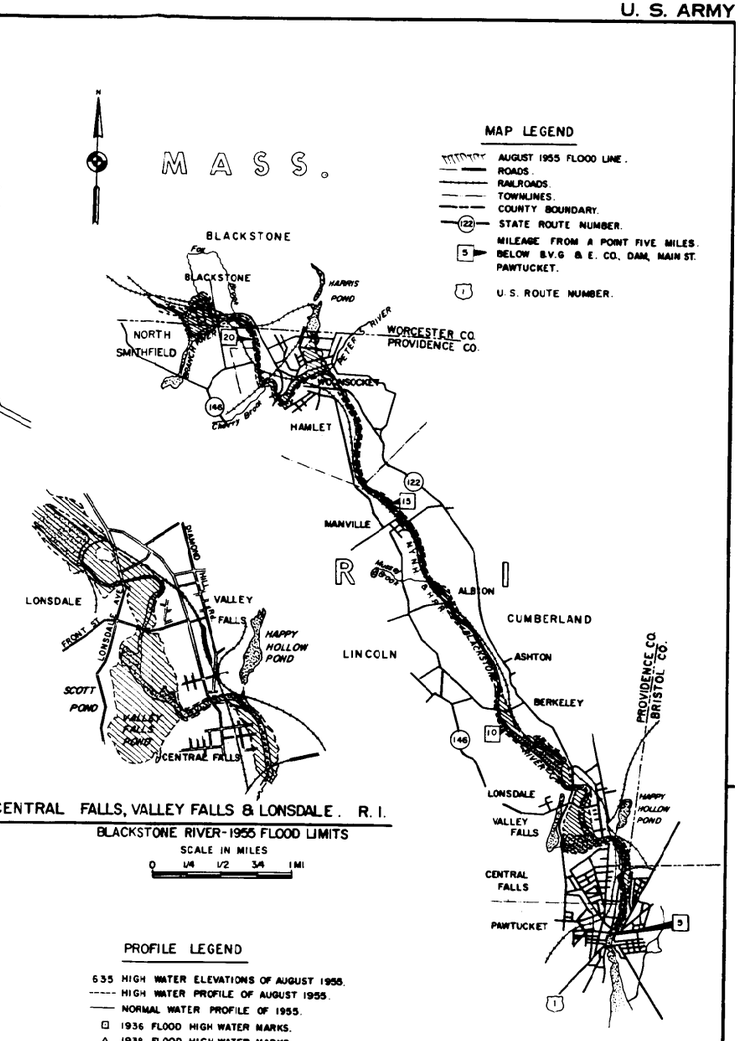


WOONSOCKET, R.I.

BLACKSTONE RIVER - 1955 FLOOD LIMITS

SCALE IN MILES

0 1/4 1/2 MI



CENTRAL FALLS, VALLEY FALLS & LONSDALE. R. I.

BLACKSTONE RIVER-1955 FLOOD LIMITS

SCALE IN MILES

0 1/4 1/2 3/4 1 MI

BLACKSTONE RIVER - MI. 0 to 22

1955 FLOOD LIMITS

SCALE IN MILES

0 1 2 MI

PROFILE LEGEND

635 HIGH WATER ELEVATIONS OF AUGUST 1955.
---- HIGH WATER PROFILE OF AUGUST 1955.
—— NORMAL WATER PROFILE OF 1955.
⊡ 1936 FLOOD HIGH WATER MARKS.
△ 1938 FLOOD HIGH WATER MARKS.
▮ DAM.

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM.

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SUBMITTED BY
CHIEF, PLANN. BRPT'S BRANCH
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CHIEF ENGINEERING DIV.

BLACKSTONE RIVER FLOOD CONTROL

BLACKSTONE RIVER

PLAN AND PROFILE

FLOOD OF AUGUST 1955 - MILE 0 to 22

PROVIDENCE RIVER WATERSHED. MASS & R.I.

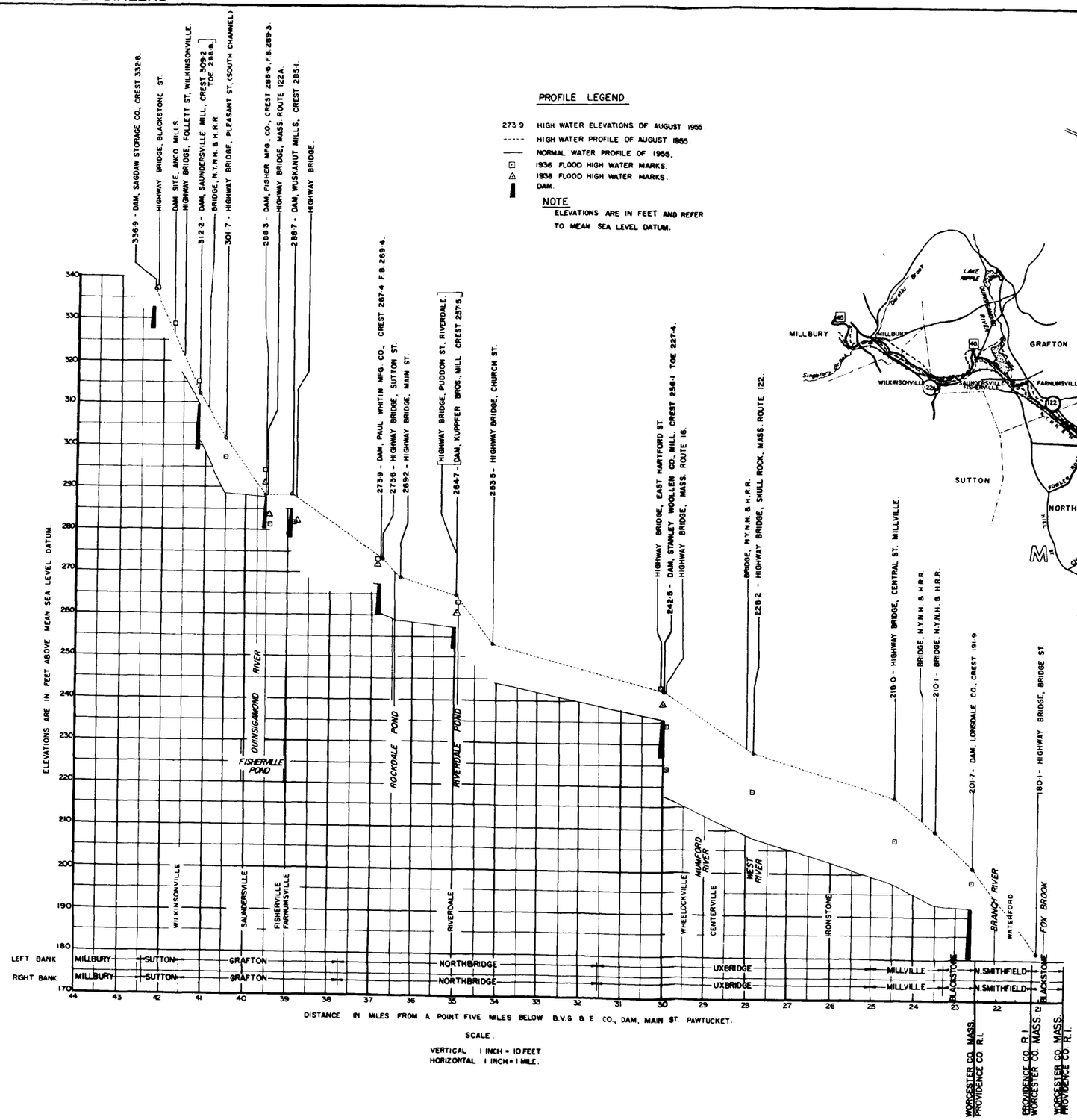
APPROVED DATE

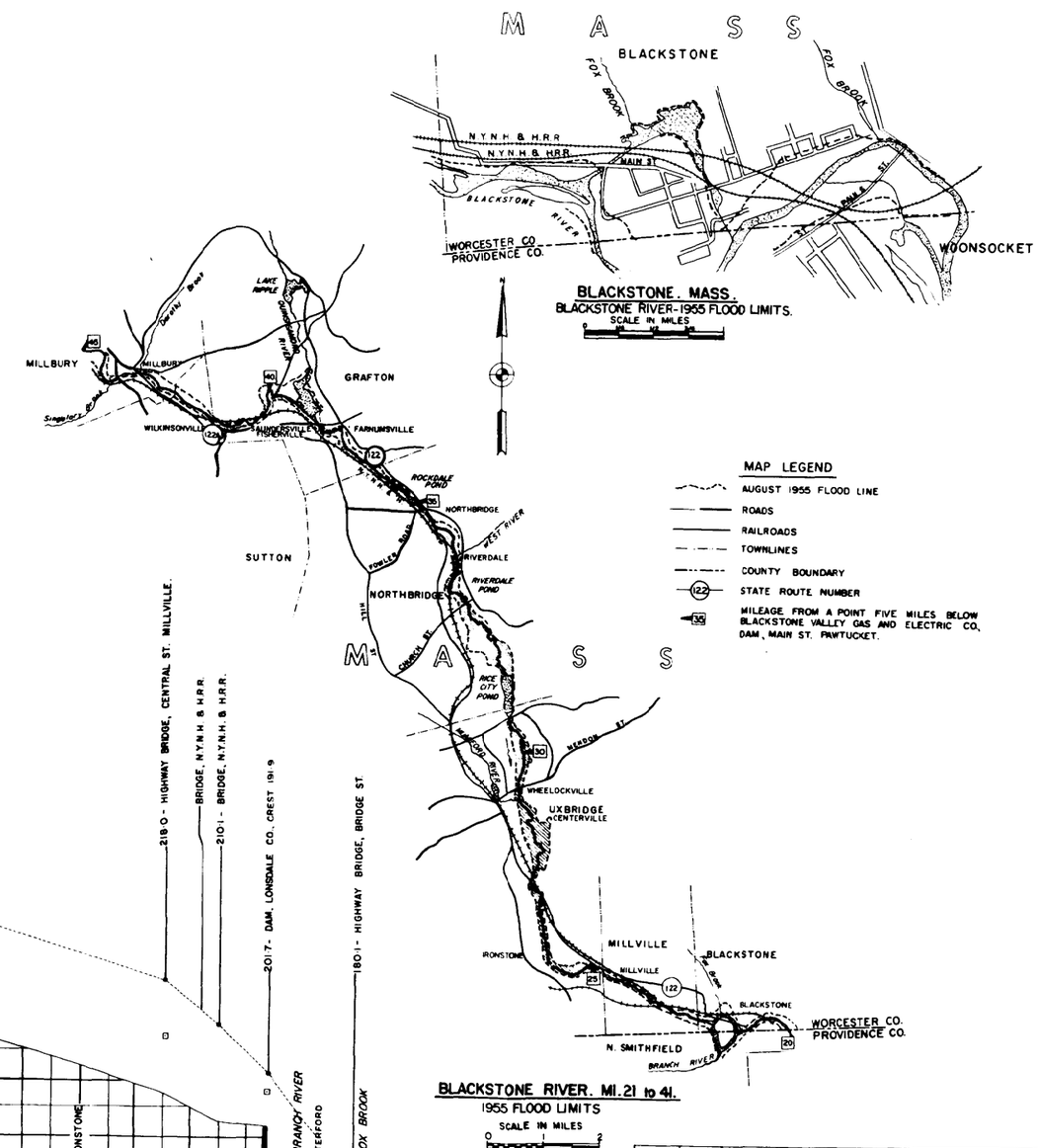
COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN

DRAWING NUMBER

SHEET 1 OF 3





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BLACKSTONE RIVER FLOOD CONTROL

BLACKSTONE RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955 MILE 22 to 41
PROVIDENCE RIVER WATERSHED MASS & R.I.

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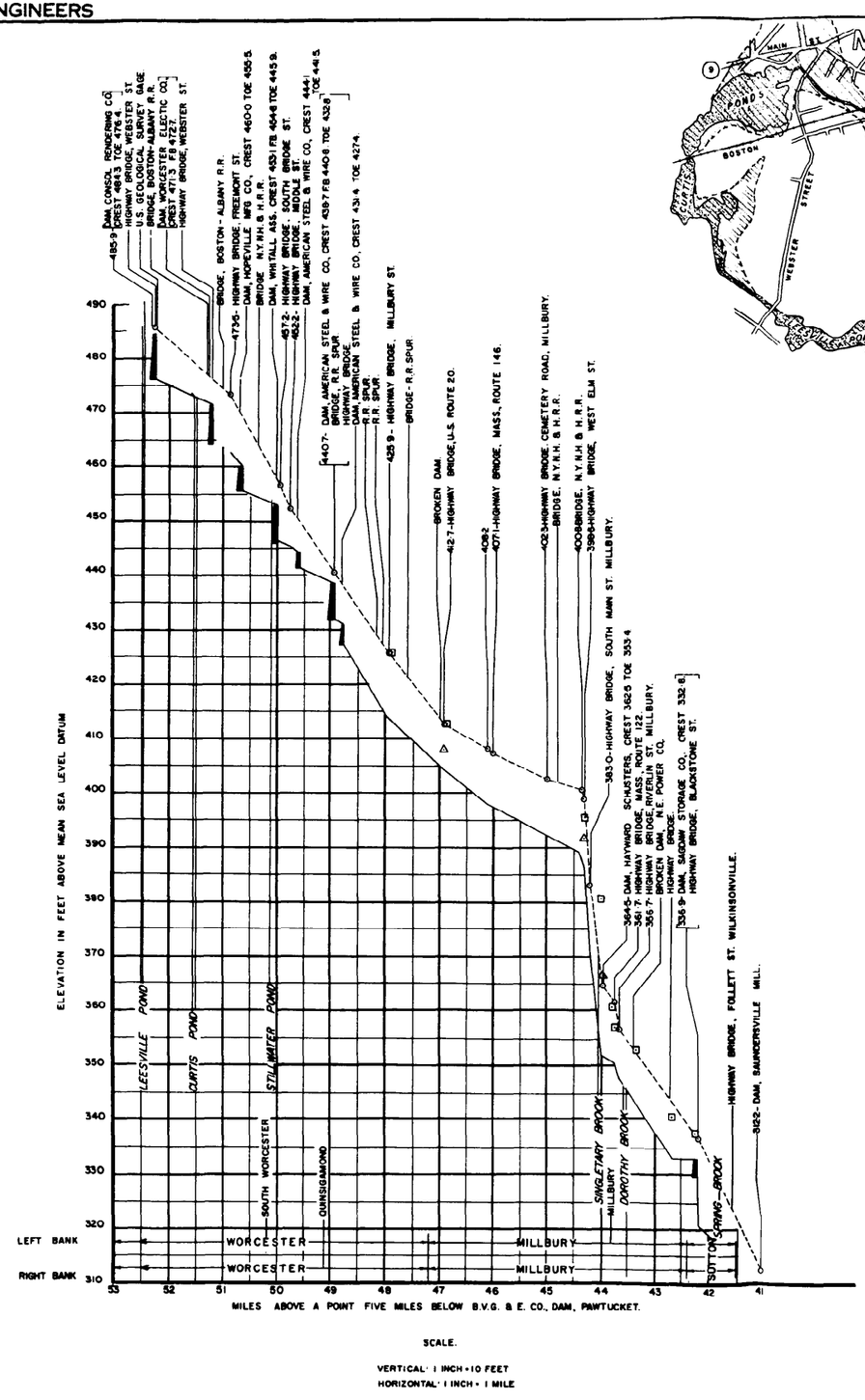
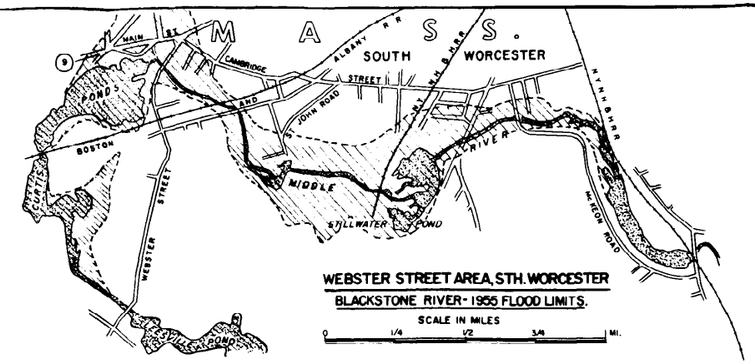
SHEET 2 OF 3



SCALE.

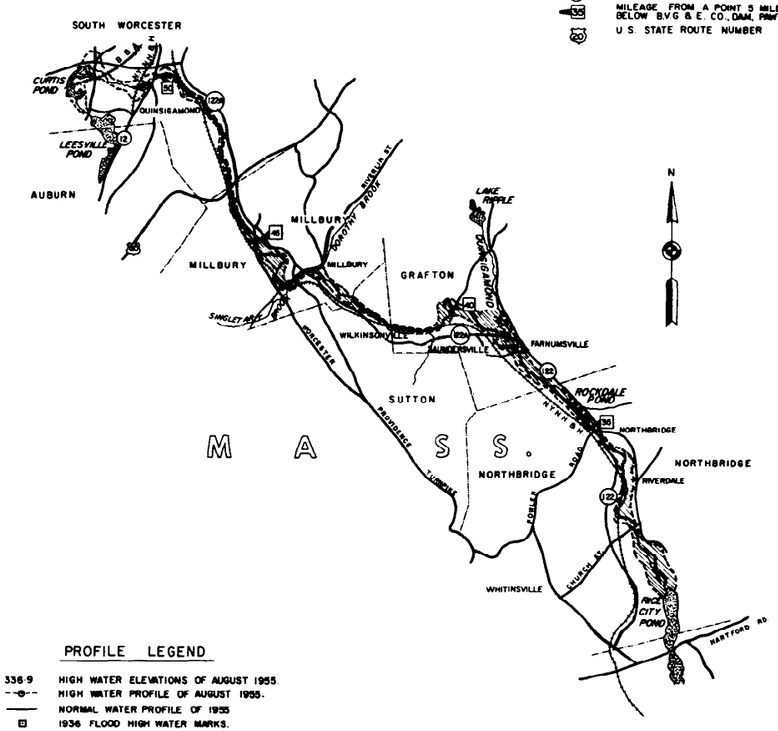
VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE



WEBSTER STREET AREA, STH. WORCESTER
BLACKSTONE RIVER - 1955 FLOOD LIMITS.
SCALE IN MILES
0 1/4 1/2 3/4 MI.

MAP LEGEND

- AUGUST 1955 FLOOD LINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- (12) STATE ROUTE NUMBER
- (5.0) MILEAGE FROM A POINT 5 MILES BELOW B.V.G. & E. CO., DAM, PAWTUCKET, R.I.
- (20) U.S. STATE ROUTE NUMBER



PROFILE LEGEND

- 336.9 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955.
- NORMAL WATER PROFILE OF 1955
- 1936 FLOOD HIGH WATER MARKS.
- 1938 FLOOD HIGH WATER MARKS.
- DAM.

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM.

BLACKSTONE RIVER - MI. 41 to 53

1955 FLOOD LIMITS

SCALE IN MILES
0 1 2 MI.

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BLACKSTONE RIVER FLOOD CONTROL

BLACKSTONE RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955 - MILE 41 to 53
PROVIDENCE RIVER WATERSHED MASS & R.I.

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COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN
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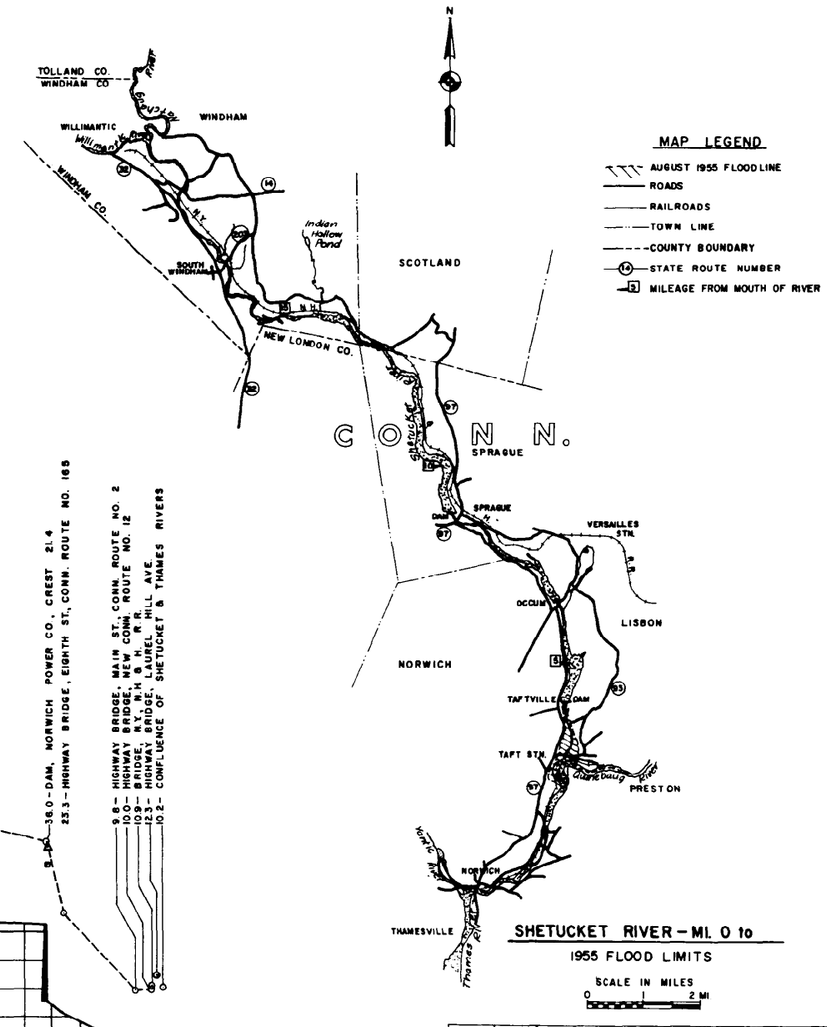
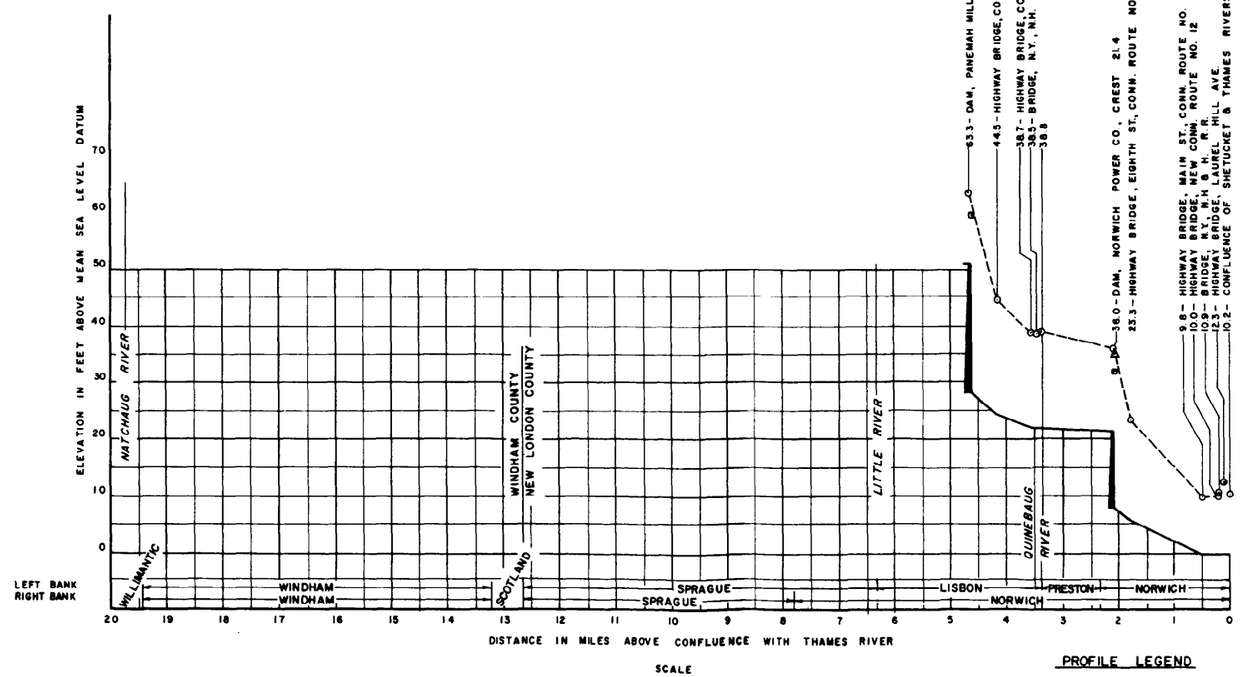
SHEET 3 OF 3





SCALE

VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE

PROFILE LEGEND

- 34.5 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- 1936 FLOOD HIGH WATER MARKS
- DAM
- 1938 FLOOD HIGH WATER MARKS

NOTE: ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

SHETUCKET RIVER - MI. 0 to
1955 FLOOD LIMITS

SCALE IN MILES
0 1 2 MI

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THAMES RIVER FLOOD CONTROL
SHETUCKET RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955 - MILE 0 to
THAMES RIVER WATERSHED CONN., MASS. & R.I.

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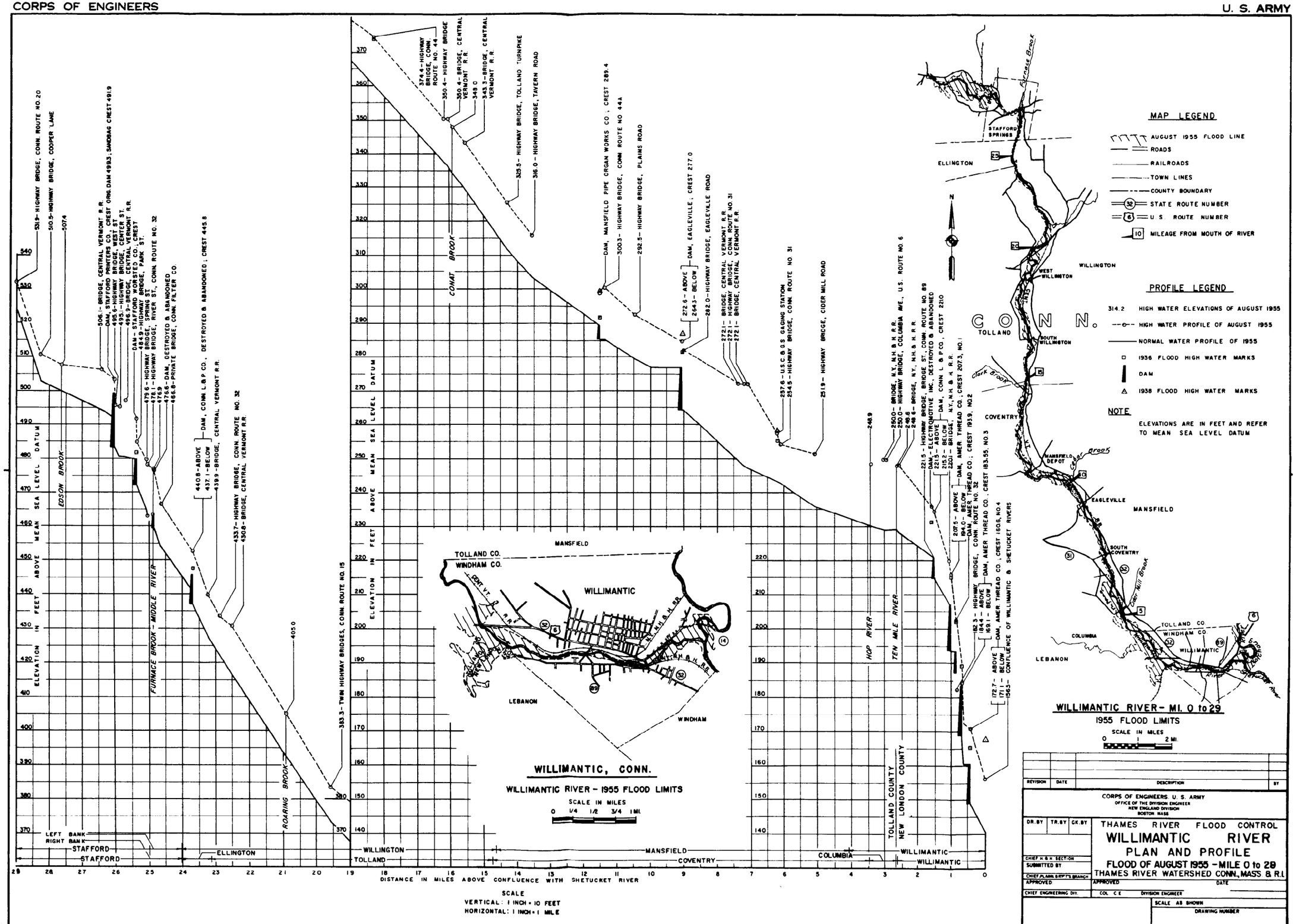
SCALE AS SHOWN
DRAWING NUMBER
SHEET 1 OF 1


WILLIMANTIC, CONN.
WILLIMANTIC RIVER - 1955 FLOOD LIMITS
SCALE IN MILES
0 1/4 1/2 3/4 1 MI.
TOLLAND CO.
WINDHAM CO.
MANSFIELD
WILLIMANTIC
LEBANON
WINDHAM
MAP LEGEND
AUGUST 1955 FLOOD LINE
ROADS
RAILROADS
TOWN LINES
COUNTY BOUNDARY
STATE ROUTE NUMBER
U.S. ROUTE NUMBER
MILEAGE FROM MOUTH OF RIVER
PROFILE LEGEND
314.2 HIGH WATER ELEVATIONS OF AUGUST 1955
HIGH WATER PROFILE OF AUGUST 1955
NORMAL WATER PROFILE OF 1955
1936 FLOOD HIGH WATER MARKS
DAM
1938 FLOOD HIGH WATER MARKS
NOTE
ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM
WILLIMANTIC RIVER - MI. 0 to 29
1955 FLOOD LIMITS
SCALE IN MILES
0 1 2 MI.
STAFFORD SPRINGS
ELLINGTON
WILLINGTON
WEST WILLINGTON
TOLLAND
SOUTH WILLINGTON
COVENTRY
MANSFIELD DEPOT
EAGLEVILLE
MANSFIELD
SOUTH COVENTRY
COLUMBIA
LEBANON
TOLLAND CO
WINDHAM CO
WILLIMANTIC
CONN.
Furnace Brook
Clark Brook
Cedar Mill Brook
Willimantic River
ELEVATION IN FEET ABOVE MEAN SEA LEVEL DATUM
DISTANCE IN MILES ABOVE CONFLUENCE WITH SHETUCKET RIVER
SCALE
VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE
EDSON BROOK
FURNACE BROOK - MIDDLE RIVER
ROARING BROOK
CONAT BROOK
HOP RIVER
TEN MILE RIVER
TOLLAND COUNTY
NEW LONDON COUNTY
LEFT BANK
RIGHT BANK
STAFFORD
ELLINGTON
WILLINGTON
TOLLAND
MANSFIELD
COVENTRY
COLUMBIA
WILLIMANTIC
506.1 - BRIDGE, CENTRAL VERMONT R.R.
DAM, STAFFORD PRINTERS CO., CREST ORIG. DAM 493.3; SANDBAG CREST 491.9
495.6 - HIGHWAY BRIDGE, WEST ST.
495.5 - HIGHWAY BRIDGE, CENTRAL ST.
495.3 - BRIDGE, CENTRAL VERMONT R.R.
DAM - STAFFORD WORSTED CO.; CREST
484.9 - HIGHWAY BRIDGE, PARK ST.
479.6 - HIGHWAY BRIDGE, SPRING ST.
478.1 - HIGHWAY BRIDGE, RIVER ST., CONN. ROUTE NO. 32
476.9
476.6 - DAM, DESTROYED & ABANDONED
466.8 - PRIVATE BRIDGE, CONN. FILTER CO.
DAM - CONN. L.&P. CO., DESTROYED & ABANDONED; CREST 445.8
440.8 - ABOVE
437.1 - BELOW
439.9 - BRIDGE, CENTRAL VERMONT R.R.
433.7 - HIGHWAY BRIDGE, CONN. ROUTE NO. 32
430.8 - BRIDGE, CENTRAL VERMONT R.R.
405.0
383.3 - TWIN HIGHWAY BRIDGES, CONN. ROUTE NO. 15
374.4 - HIGHWAY BRIDGE, CONN. ROUTE NO. 44
350.4 - HIGHWAY BRIDGE
350.4 - BRIDGE, CENTRAL VERMONT R.R.
348.0
343.3 - BRIDGE, CENTRAL VERMONT R.R.
325.5 - HIGHWAY BRIDGE, TOLLAND TURNPIKE
316.0 - HIGHWAY BRIDGE, TAVERN ROAD
DAM, MANSFIELD PIPE ORGAN WORKS CO., CREST 289.4
300.3 - HIGHWAY BRIDGE, CONN. ROUTE NO. 44A
292.5 - HIGHWAY BRIDGE, PLAINS ROAD
272.6 - ABOVE
264.3 - BELOW
DAM, EAGLEVILLE, CREST 277.0
282.0 - HIGHWAY BRIDGE, EAGLEVILLE ROAD
272.1 - BRIDGE, CENTRAL VERMONT R.R.
272.1 - HIGHWAY BRIDGE, CONN. ROUTE NO. 31
272.1 - BRIDGE, CENTRAL VERMONT R.R.
257.6 - U.S.C.&G.S. GAGING STATION
254.5 - HIGHWAY BRIDGE, CONN. ROUTE NO. 31
251.9 - HIGHWAY BRIDGE, CIDER MILL ROAD
248.9
250.0 - BRIDGE, N.Y., N.H. & H.R.R.
250.0 - HIGHWAY BRIDGE, COLUMBIA AVE., U.S. ROUTE NO. 6
248.6
248.6 - BRIDGE, N.Y., N.H. & H.R.R.
221.5 - HIGHWAY BRIDGE, BRIDGE ST., CONN. ROUTE NO. 89
DAM - ELECTROMOTIVE INC., DESTROYED & ABANDONED
215.3 - ABOVE
215.3 - BELOW
DAM, CONN. L.&P. CO., CREST 221.0
220.1 - BRIDGE, N.Y., N.H. & H.R.R.
207.5 - ABOVE
194.0 - BELOW
DAM, AMER. THREAD CO., CREST 191.9, NO. 2
DAM, AMER. THREAD CO., CREST 183.55, NO. 3
182.3 - HIGHWAY BRIDGE, CONN. ROUTE NO. 32
184.4 - ABOVE
169.1 - BELOW
DAM, AMER. THREAD CO., CREST 183.55, NO. 3
172.7 - ABOVE
171.1 - BELOW
156.5 - CONFLUENCE OF WILLIMANTIC & SHETUCKET RIVERS
REVISION
DATE
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OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON MASS.
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TR. BY
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THAMES RIVER FLOOD CONTROL
WILLIMANTIC RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955 - MILE 0 to 29
THAMES RIVER WATERSHED CONN., MASS. & R.I.
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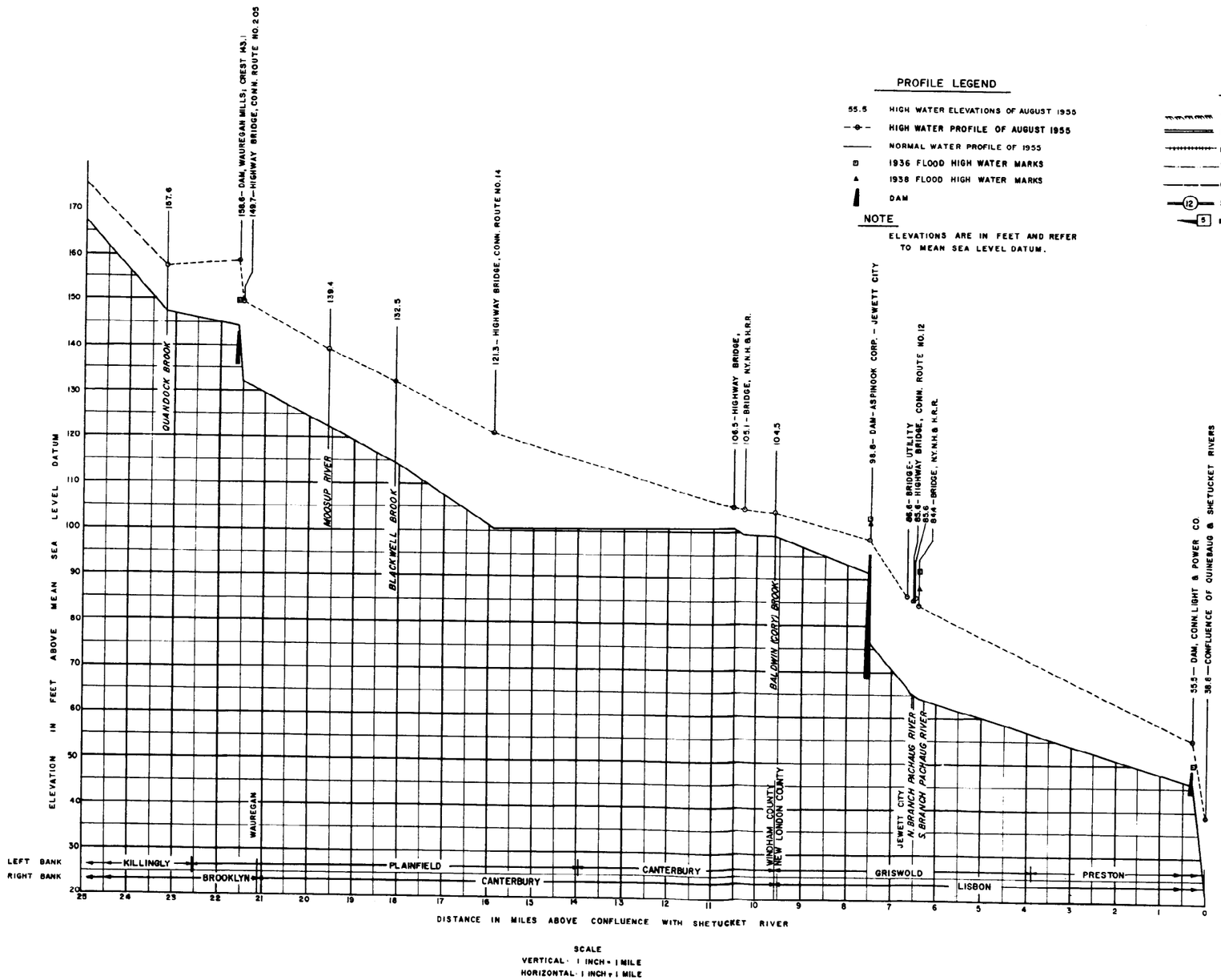


PROFILE LEGEND

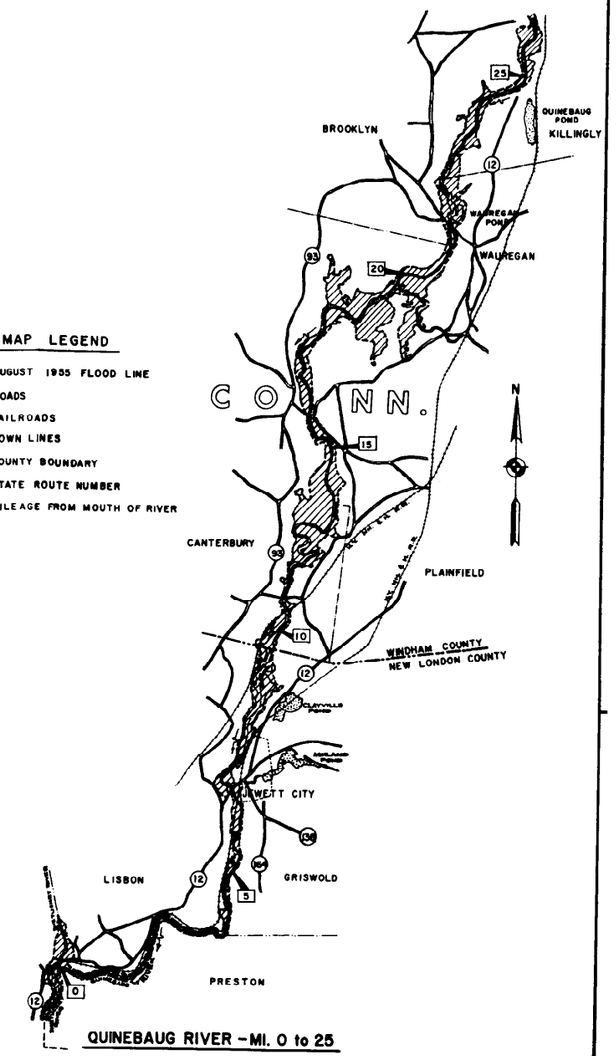
- 55.5 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- 1936 FLOOD HIGH WATER MARKS
- 1938 FLOOD HIGH WATER MARKS
- DAM

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM.

MAP LEGEND

- AUGUST 1955 FLOOD LINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- (12) STATE ROUTE NUMBER
- [5] MILEAGE FROM MOUTH OF RIVER



QUINEBAUG RIVER – MI. 0 to 25

1955 FLOOD LIMITS

SCALE IN MILES

0 1 2 MI.

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THAMES RIVER FLOOD CONTROL

QUINEBAUG RIVER

PLAN AND PROFILE

FLOOD OF AUGUST 1955 – MILE 0 to 25

THAMES RIVER WATERSHED CONN., MASS. & R.I.

APPROVED DATE

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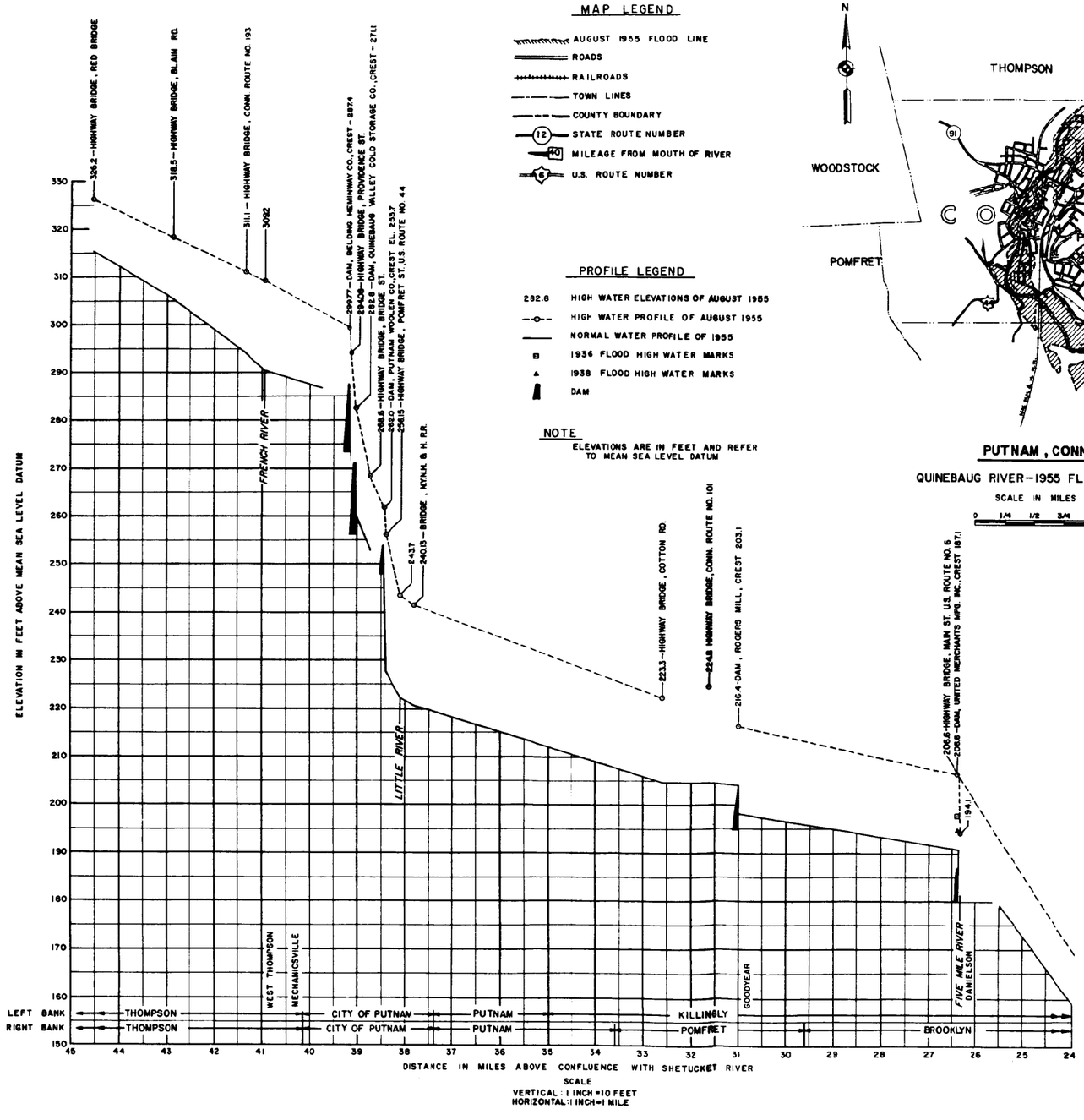
SCALE: AS SHOWN

DRAWING NUMBER

SHEET 1 OF 4



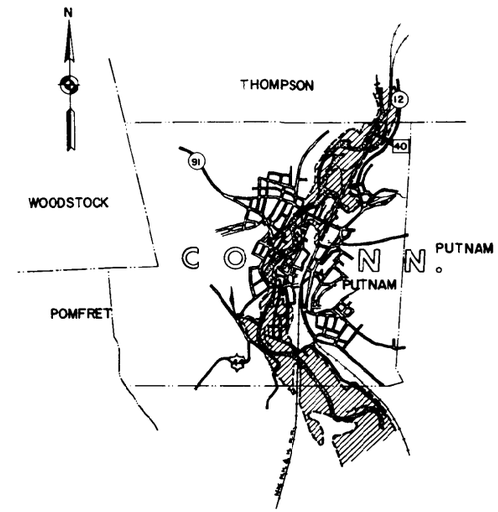
MAP LEGEND

- AUGUST 1955 FLOOD LINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- (12) STATE ROUTE NUMBER
- [40] MILEAGE FROM MOUTH OF RIVER
- (6) U.S. ROUTE NUMBER

PROFILE LEGEND

- 282.8 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- 1936 FLOOD HIGH WATER MARKS
- 1938 FLOOD HIGH WATER MARKS
- DAM

NOTE
ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

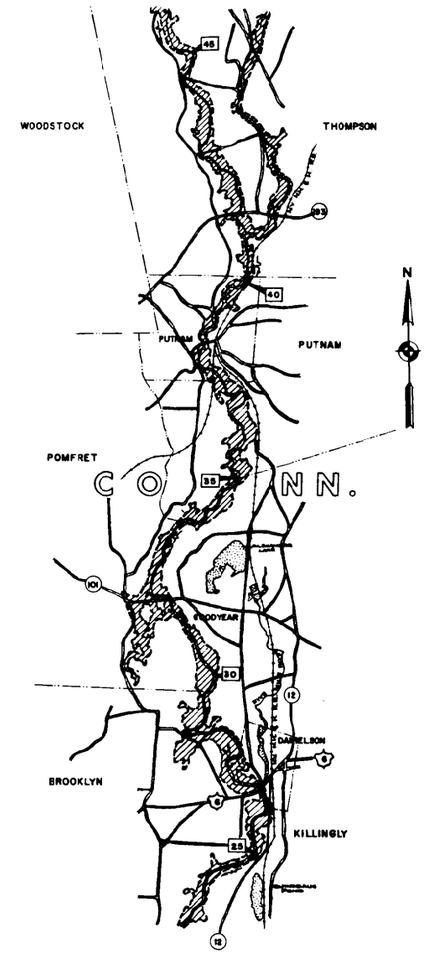


PUTNAM, CONN.

QUINEBAUG RIVER–1955 FLOOD LIMITS

SCALE IN MILES

0 1/4 1/2 3/4 1 MI.



QUINEBAUG RIVER – MI. 24 to 45

1955 FLOOD LIMITS

SCALE IN MILES

0 1 2 MI

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QUINEBAUG RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955 – MILE 24 to 45
THAMES RIVER WATERSHED CONN., MASS. & R.I.

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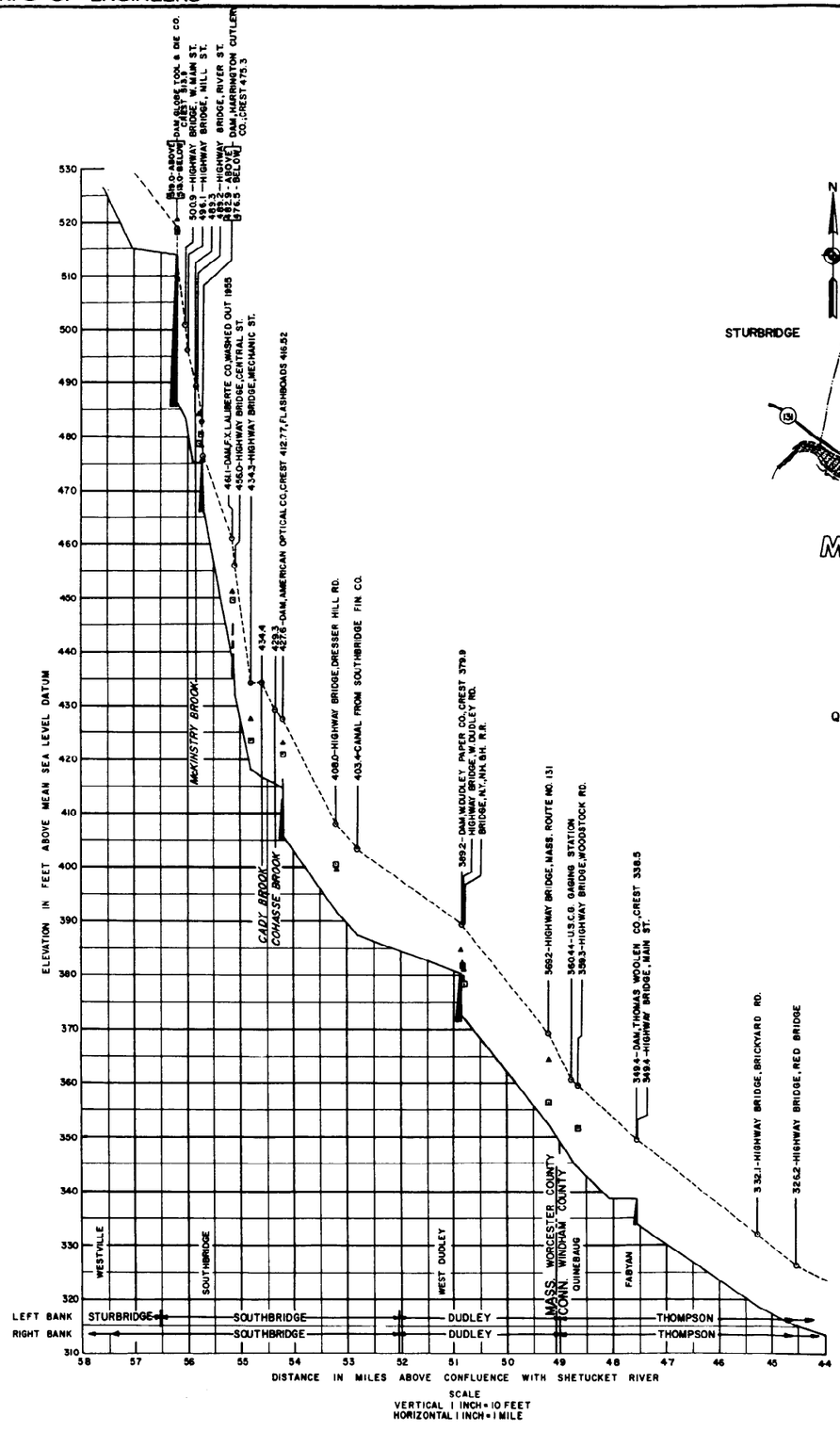
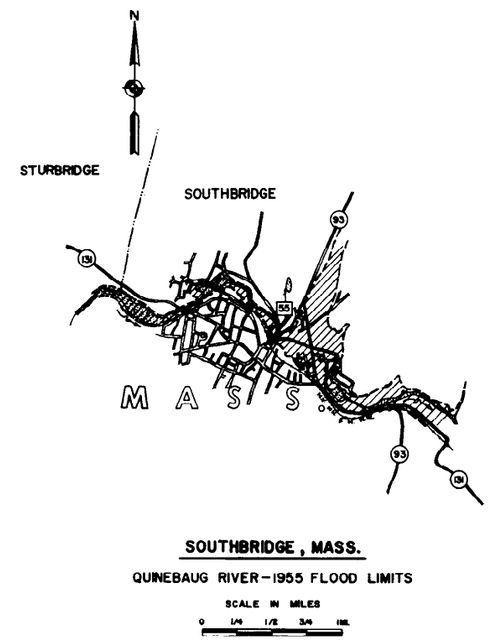
SUBMITTED BY
CHIEF PLANN. & RPT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.

APPROVED DATE
COL C E DIVISION ENGINEER

SCALE AS SHOWN
DRAWING NUMBER
SHEET 2 OF 4

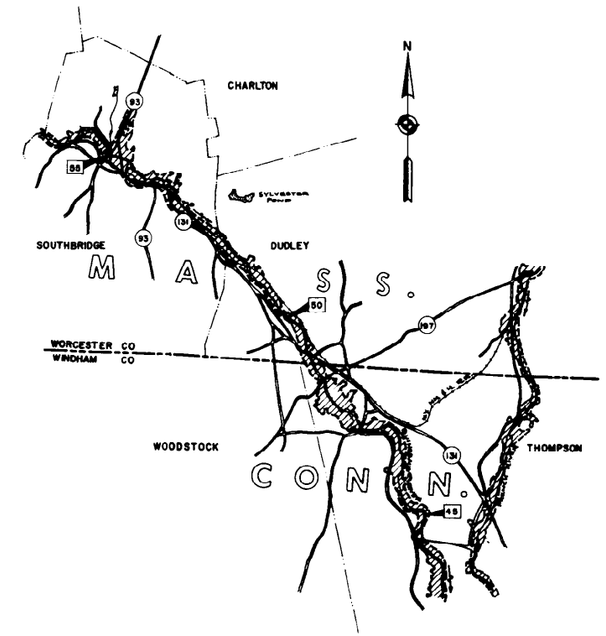




SOUTHBRIDGE, MASS.

QUINEBAUG RIVER-1955 FLOOD LIMITS

SCALE IN MILES



QUINEBAUG RIVER-MI. 44 to 57

1955 FLOOD LIMITS

SCALE IN MILES

MAP LEGEND

- AUGUST 1955 FLOOD LINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- (93) STATE ROUTE NUMBER
- [40] MILEAGE FROM MOUTH OF RIVER

PROFILE LEGEND

- 349.4 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- 1936 FLOOD HIGH WATER MARKS
- 1938 FLOOD HIGH WATER MARKS
- DAM

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON MASS

DR. BY | TR. BY | CK. BY

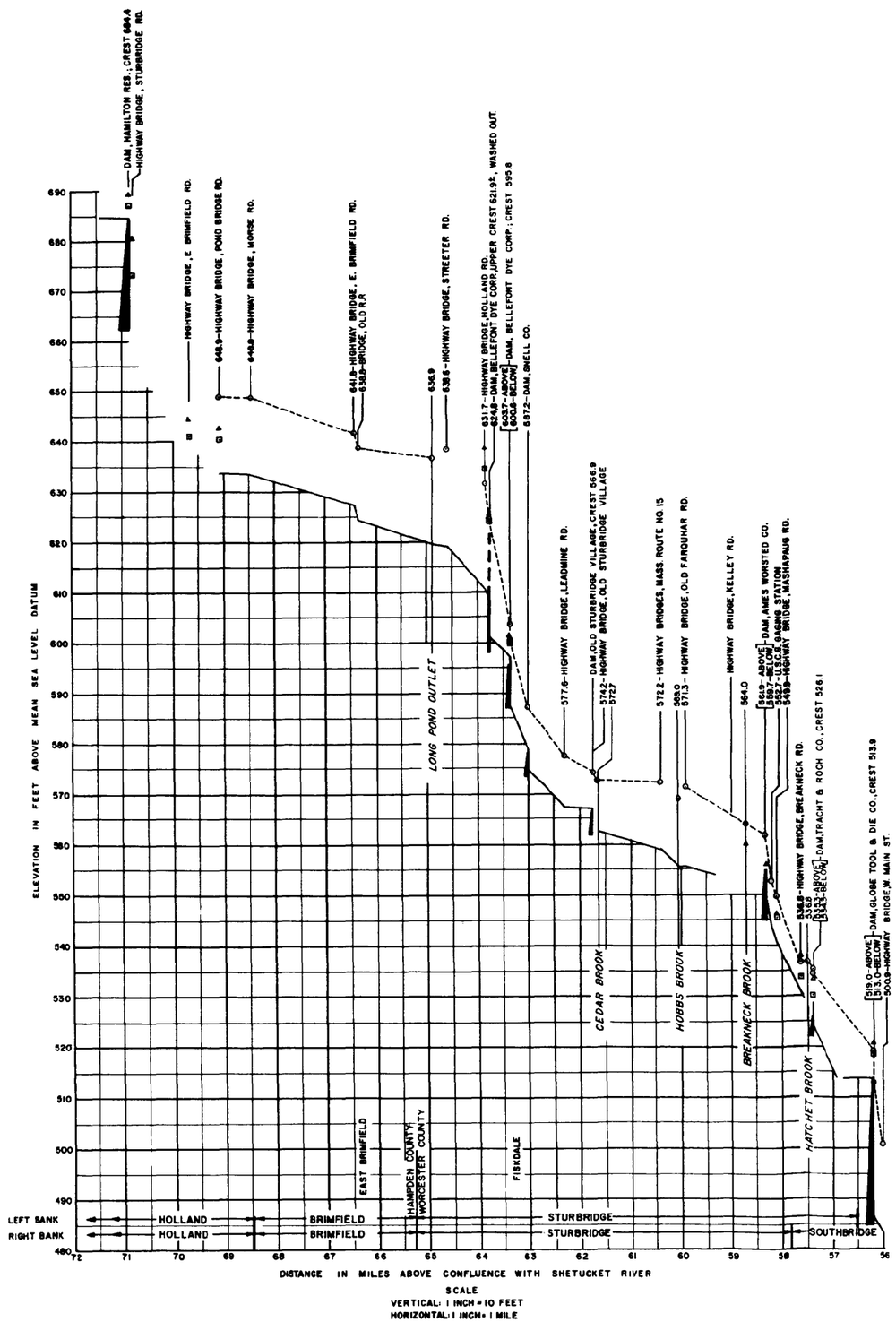
THAMES RIVER FLOOD CONTROL

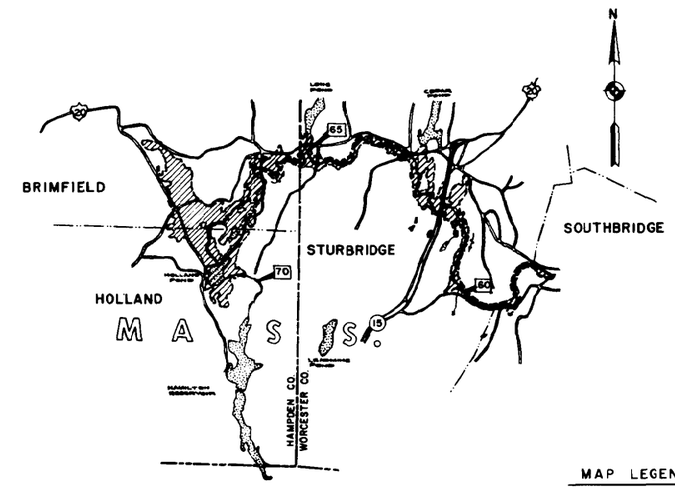
QUINEBAUG RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955-MILE 44 to 57

THAMES RIVER WATERSHED CONN., MASS. & R.I.

CHIEF H & H SECTION
SUBMITTED BY
CHIEF, PLANN. & PRPT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.
APPROVED
DATE
COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN
DRAWING NUMBER
SHEET 3 OF 4





QUINEBAUG RIVER-MI.56to71

1955 FLOOD LIMITS

SCALE IN MILES

0 1 2 MI.

MAP LEGEND

- AUGUST 1955 FLOOD LINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- 15 STATE ROUTE NUMBER
- 60 MILEAGE FROM MOUTH OF RIVER
- 24 U.S. ROUTE NUMBER

PROFILE LEGEND

- 574.2 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- 1936 FLOOD HIGH WATER MARKS
- 1938 FLOOD HIGH WATER MARKS
- DAM

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CHIEF H & H SECTION
SUBMITTED BY
CHIEF PLANN. BRPT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.

THAMES RIVER FLOOD CONTROL

QUINEBAUG RIVER

PLAN AND PROFILE

FLOOD OF AUGUST 1955 - MILE 56 to 71

THAMES RIVER WATERSHED CONN., MASS. & R.I.

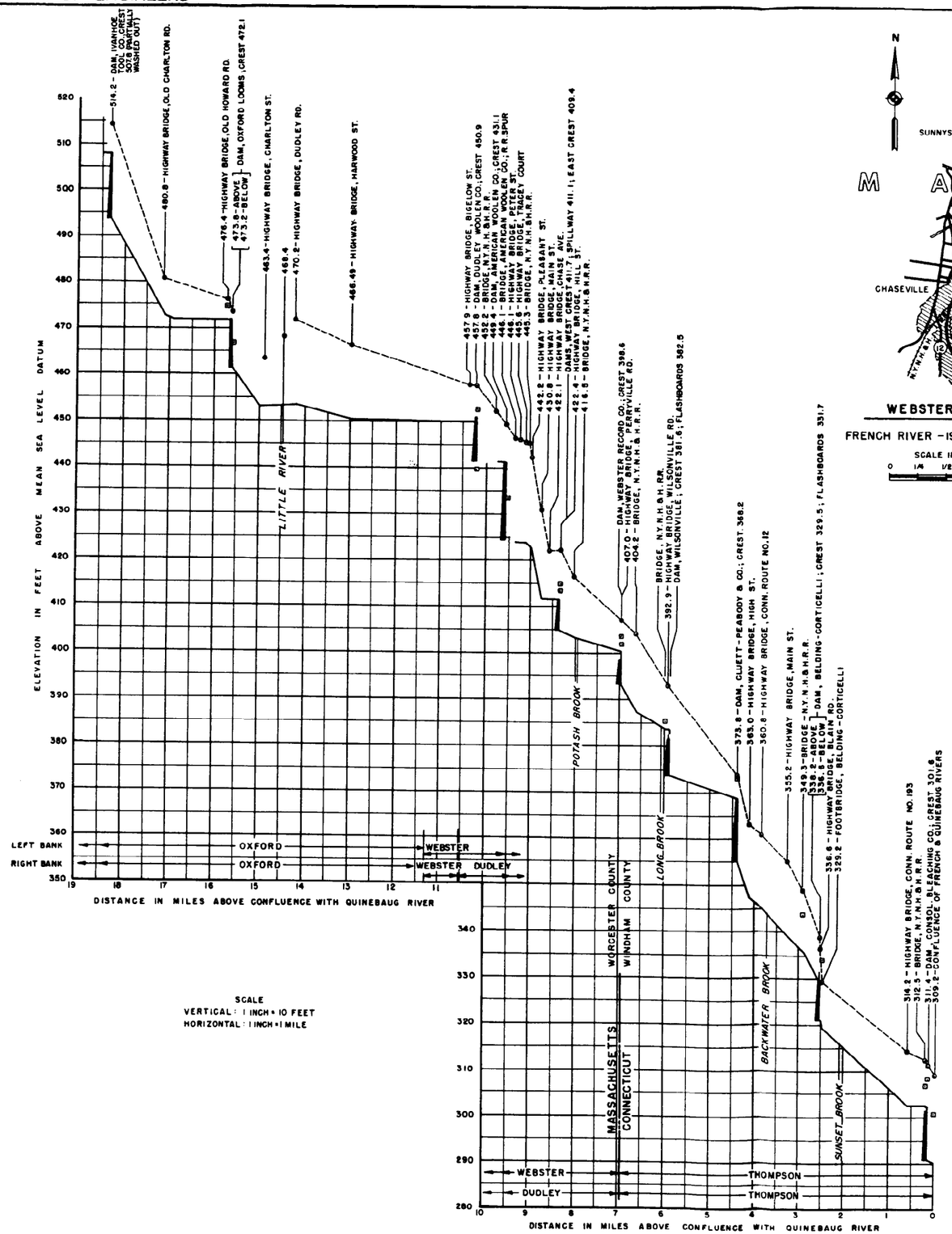
APPROVED DATE

COL. C.E. DIVISION ENGINEER

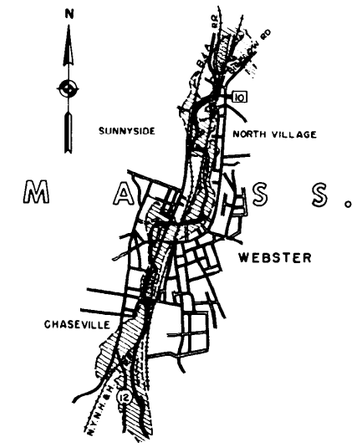
SCALE: AS SHOWN

DRAWING NUMBER

SHEET 4 OF 4



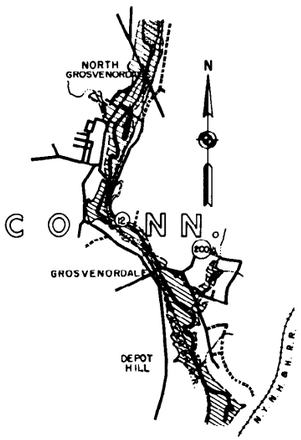
SCALE
VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE



WEBSTER, MASS.

FRENCH RIVER - 1955 FLOOD LIMITS

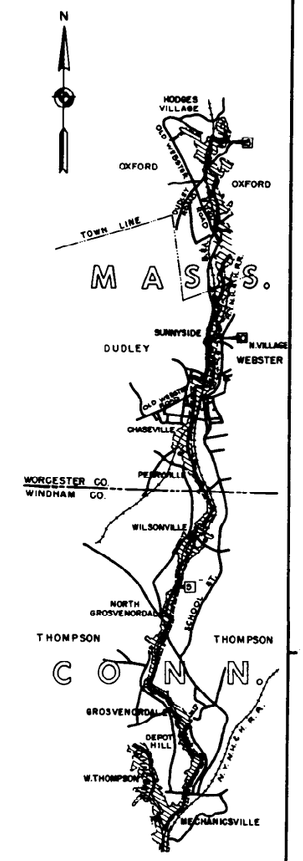
SCALE IN MILES
0 1/4 1/2 3/4 1 MI.



GROSVENORDALE, CONN.

FRENCH RIVER - 1955 FLOOD LIMITS

SCALE IN MILES
0 1/4 1/2 3/4 1 MI.



FRENCH RIVER - MI. 0 to 18.3

1955 FLOOD LIMITS

SCALE IN MILES
0 1 2 MI.

MAP LEGEND

- AUGUST 1955 FLOOD LINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- (12) STATE ROUTE NUMBER
- (10) MILEAGE FROM MOUTH OF RIVER

PROFILE LEGEND

- 314.2 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- 1936 FLOOD HIGH WATER MARKS
- DAM

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM.

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON MASS

DR. BY | TR. BY | CK. BY

CHIEF H & H SECTION
SUBMITTED BY
CHIEF PLANN. & RPT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.

THAMES RIVER FLOOD CONTROL

FRENCH RIVER

PLAN AND PROFILE

FLOOD OF AUGUST 1955 - MILE 0 to 18.3

THAMES RIVER WATERSHED CONN., MASS. & R.I.

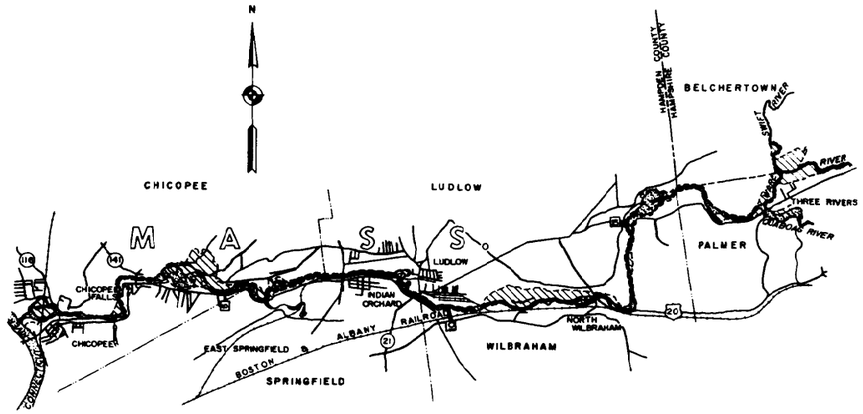
APPROVED DATE

COL. C.E. DIVISION ENGINEER

SCALE: AS SHOWN

DRAWING NUMBER
TH-3-

SHEET 1 OF 1



CHICOPEE RIVER - MI. 0 to 18.1

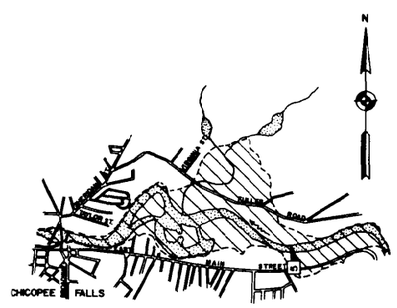
1955 FLOOD LIMITS

SCALE IN MILES

1/2 0

MAP LEGEND

- AUGUST 1955 FLOOD LINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY LINE
- (21) STATE ROUTE NUMBER
- (20) U.S. ROUTE NUMBER
- (10) MILEAGE FROM MOUTH OF RIVER

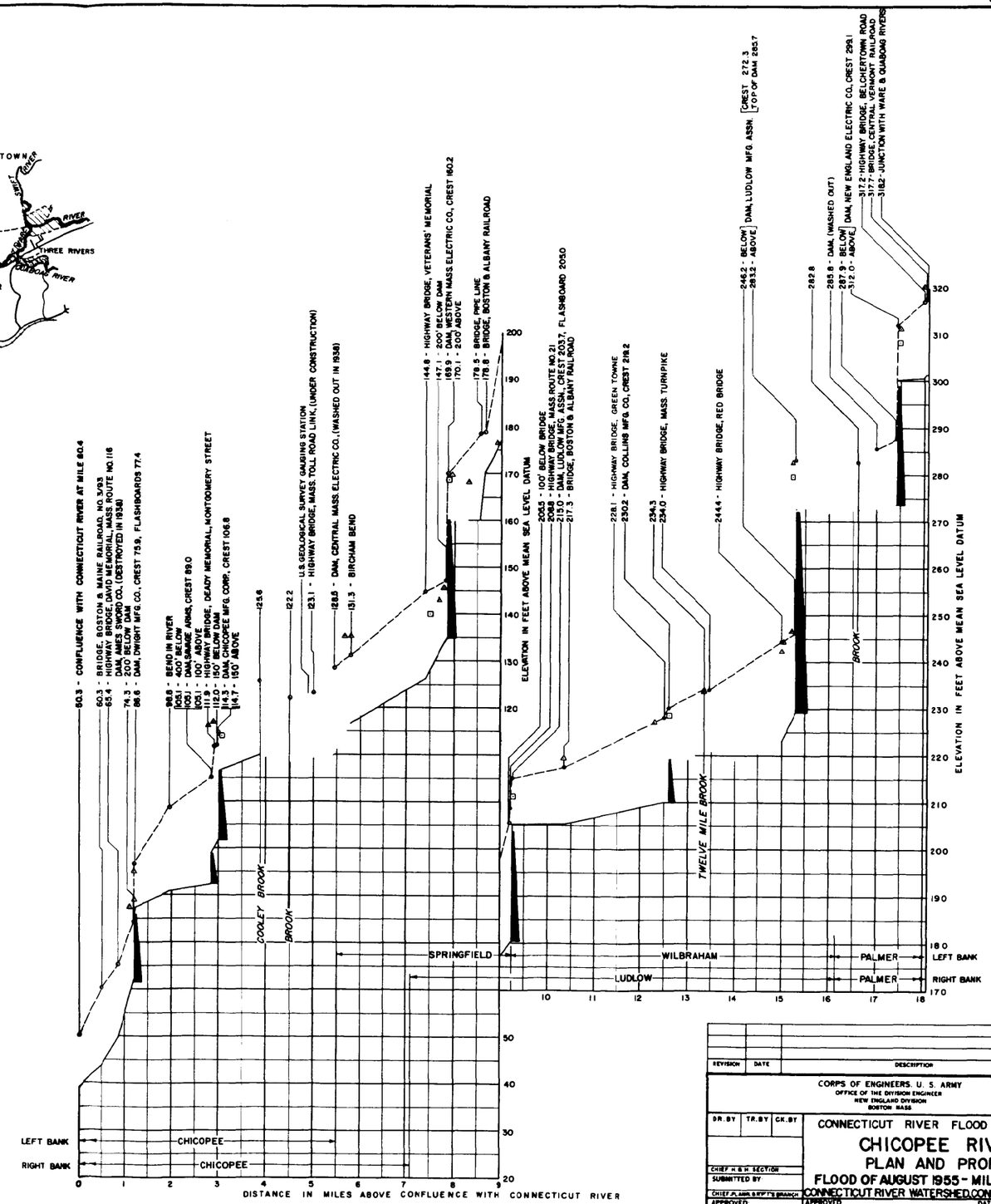


CHICOPEE, MASS.

CHICOPEE RIVER - 1955 FLOOD LIMITS

SCALE IN MILES

1/2 0 1



PROFILE LEGEND

- 50.3 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- ▲ SEPTEMBER 1938 FLOOD HIGH WATER MARKS
- ▫ MARCH 1936 FLOOD HIGH WATER MARKS
- DAM

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

SCALE
VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CONNECTICUT RIVER FLOOD CONTROL

CHICOPEE RIVER

PLAN AND PROFILE

FLOOD OF AUGUST 1955 - MILE 0 to 18.1

CONNECTICUT RIVER WATERSHED, CONN., MASS., VT. & N.H.

CHIEF H. & H. SECTION
SUBMITTED BY
CHIEF, PLANN. & RPT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.
APPROVED
DATE
COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN

DRAWING NUMBER

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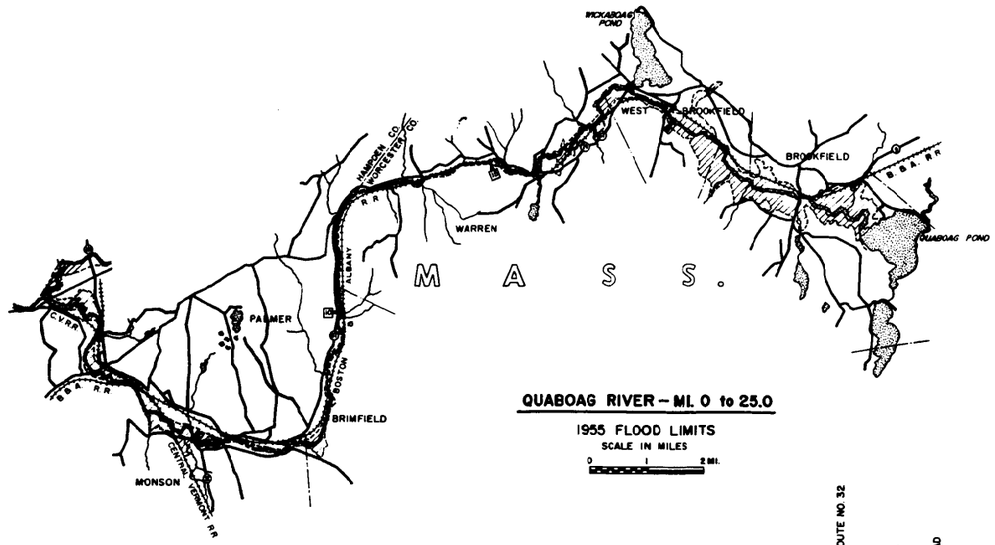


QUABOAG RIVER – MI. 0 to 25.0

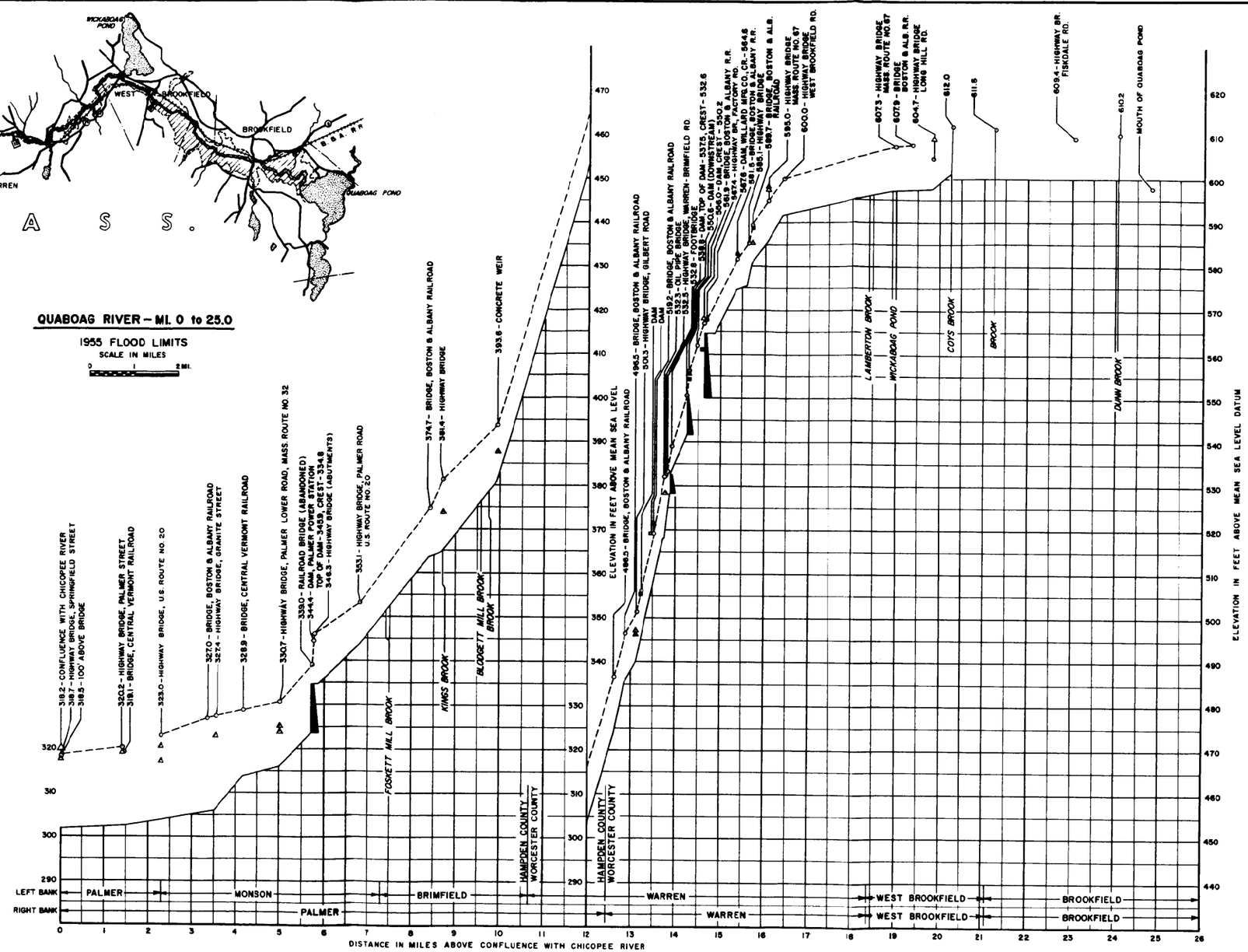
1955 FLOOD LIMITS

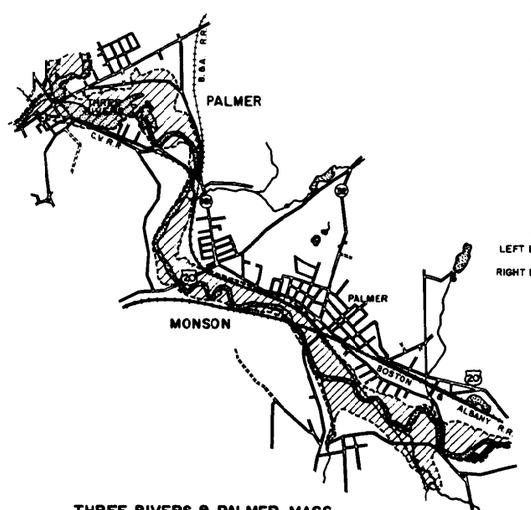
SCALE IN MILES

0 1 2 MI.

MAP LEGEND

- AUGUST 1955 FLOOD LINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- STATE ROUTE NUMBER
- MILEAGE FROM MOUTH OF RIVER





THREE RIVERS & PALMER, MASS.

QUABOAG RIVER – 1955 FLOOD LIMITS

0 1/4 1/2 3/4 1 MI.

SCALE

VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE

PROFILE LEGEND

- 314.2 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- 1936 FLOOD HIGH WATER MARKS
- 1938 FLOOD HIGH WATER MARKS
- DAM

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

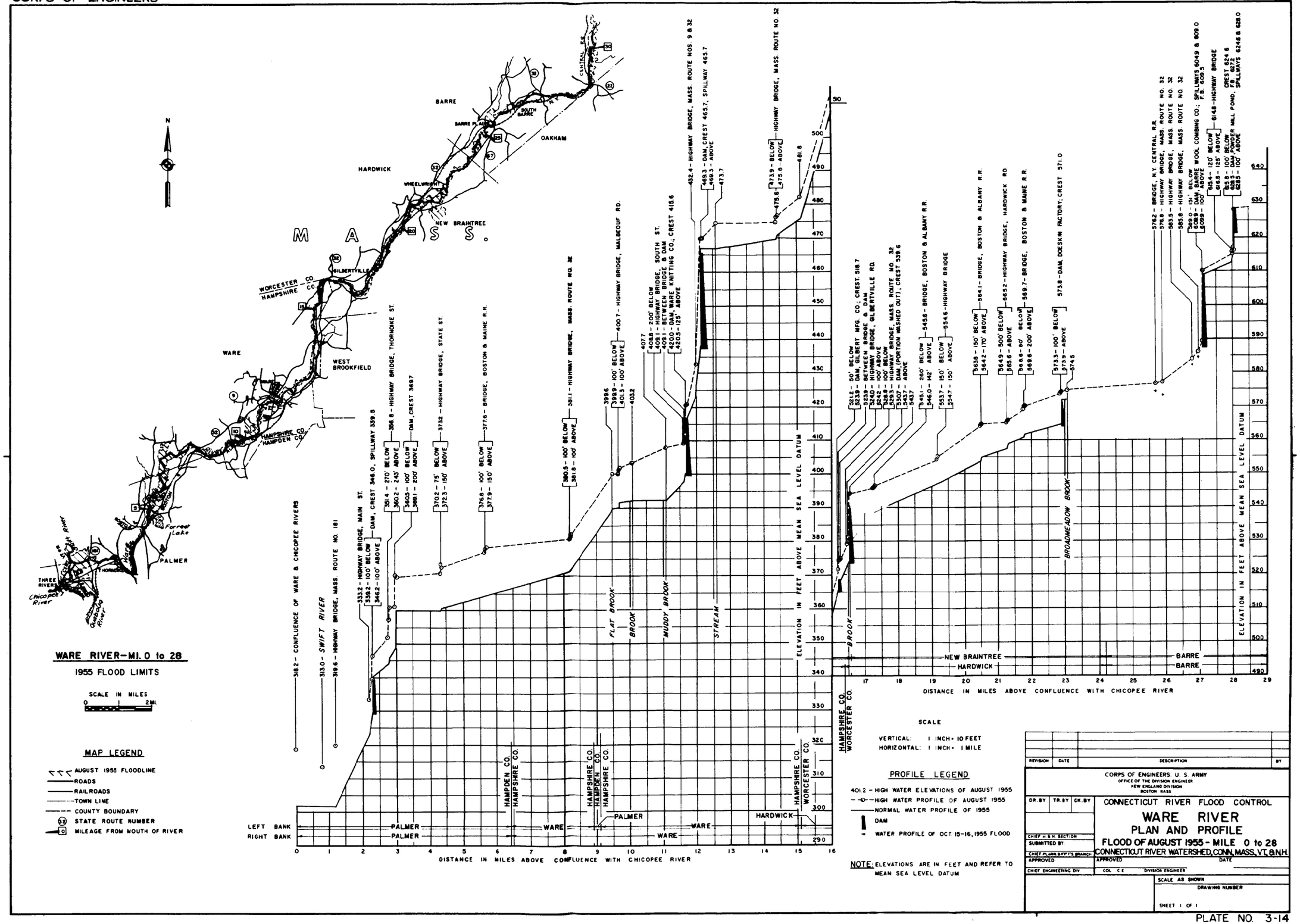
CONNECTICUT RIVER FLOOD CONTROL

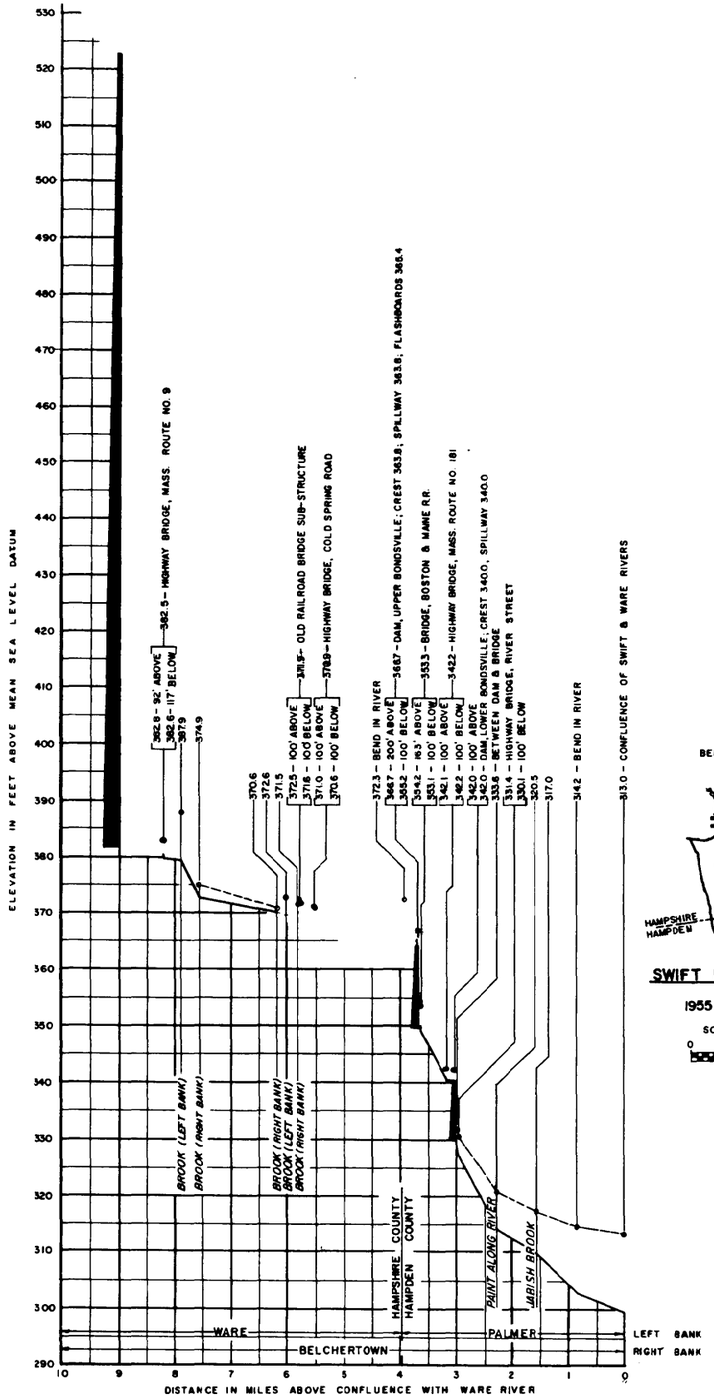
QUABOAG RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955 – MILE 0 to 25
CONNECTICUT RIVER WATERSHED, CONN., MASS., VT. & N.H.

CHIEF H. & H. SECTION
SUBMITTED BY
CHIEF, PLANN. & RPT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.

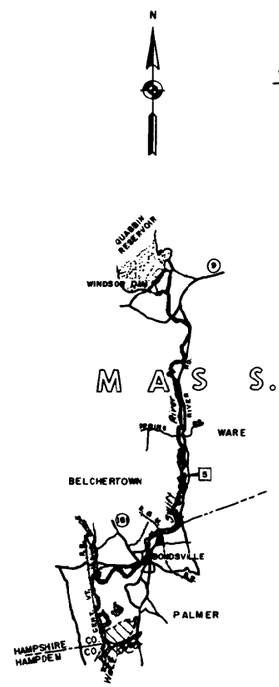
APPROVED — DATE
COL. C.E. — DIVISION ENGINEER

SCALE AS SHOWN
DRAWING NUMBER
SHEET 1 OF 1


WARE RIVER-MI. 0 to 28
1955 FLOOD LIMITS
SCALE IN MILES
0 2MI.
MAP LEGEND
AUGUST 1955 FLOODLINE
ROADS
RAILROADS
TOWN LINE
COUNTY BOUNDARY
STATE ROUTE NUMBER
MILEAGE FROM MOUTH OF RIVER
M A S S.
N
BARRE
HARDWICK
OAKHAM
NEW BRAINTREE
WHEELWRIGHT
GILBERTVILLE
WORCESTER CO.
HAMPSHIRE CO.
WARE
WEST BROOKFIELD
HAMPSHIRE CO.
HAMPDEN CO.
PALMER
Forest Lake
THREE RIVERS
Chicopee River
Quaboag River
Ware River
CENTRAL R.R.
3182 - CONFLUENCE OF WARE & CHICOPEE RIVERS
3130 - SWIFT RIVER
3196 - HIGHWAY BRIDGE, MASS. ROUTE NO. 181
333.2 - HIGHWAY BRIDGE, MAIN ST.
338.2 - 100' BELOW
346.2 - 100' ABOVE
DAM, CREST 346.0, SPILLWAY 339.5
351.4 - 270' BELOW
360.2 - 243' ABOVE
356.8 - HIGHWAY BRIDGE, THORNDIKE ST.
360.3 - 100' BELOW
369.1 - 200' ABOVE
DAM, CREST 369.7
370.2 - 75' BELOW
372.3 - 150' ABOVE
3732 - HIGHWAY BRIDGE, STATE ST.
376.8 - 100' BELOW
377.9 - 150' ABOVE
3776 - BRIDGE, BOSTON & MAINE R.R.
380.3 - 100' BELOW
381.8 - 100' ABOVE
381.1 - HIGHWAY BRIDGE, MASS. ROUTE NO. 32
399.6 - 100' BELOW
401.3 - 100' ABOVE
400.7 - HIGHWAY BRIDGE, MALBEOUF RD.
403.2
407.7
408.8 - 200' BELOW
409.1 - HIGHWAY BRIDGE, SOUTH ST.
409.3 - BETWEEN BRIDGE & DAM
420.0 - DAM, WARE KNITTING CO., CREST 415.6
420.3 - 125' ABOVE
432.4 - HIGHWAY BRIDGE, MASS. ROUTE NOS 9 & 32
469.3 - DAM, CREST 465.7, SPILLWAY 465.7
469.3 - ABOVE
473.7
473.9 - BELOW
475.6 - ABOVE
481.8
HIGHWAY BRIDGE, MASS. ROUTE NO. 32
ELEVATION IN FEET ABOVE MEAN SEA LEVEL DATUM
FLAT BROOK
BROOK
MUDDY BROOK
STREAM
BROOK
BROADMEADOW BROOK
HAMPSHIRE CO.
WORCESTER CO.
LEFT BANK
RIGHT BANK
PALMER
WARE
HARDWICK
NEW BRAINTREE
BARRE
DISTANCE IN MILES ABOVE CONFLUENCE WITH CHICOPEE RIVER
SCALE
VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE
PROFILE LEGEND
401.2 - HIGH WATER ELEVATIONS OF AUGUST 1955
HIGH WATER PROFILE OF AUGUST 1955
NORMAL WATER PROFILE OF 1955
DAM
WATER PROFILE OF OCT. 15-16, 1955 FLOOD
NOTE: ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM
REVISION
DATE
DESCRIPTION
BY
CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.
DR. BY
TR. BY
CK. BY
CONNECTICUT RIVER FLOOD CONTROL
WARE RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955 - MILE 0 to 28
CONNECTICUT RIVER WATERSHED, CONN., MASS., VT. & N.H.
CHIEF H & H SECTION
SUBMITTED BY
CHIEF PLANN. & PFT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.
APPROVED
DATE
COL. C.E. DIVISION ENGINEER
SCALE AS SHOWN
DRAWING NUMBER
SHEET 1 OF 1



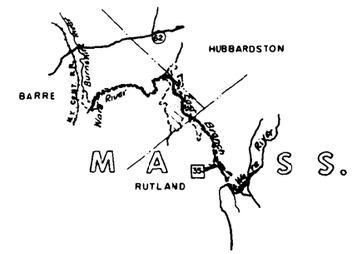
SCALE
VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE



SWIFT RIVER–MI. 0 to 9

1955 FLOOD LIMITS

SCALE IN MILES 0 1 2 MI.



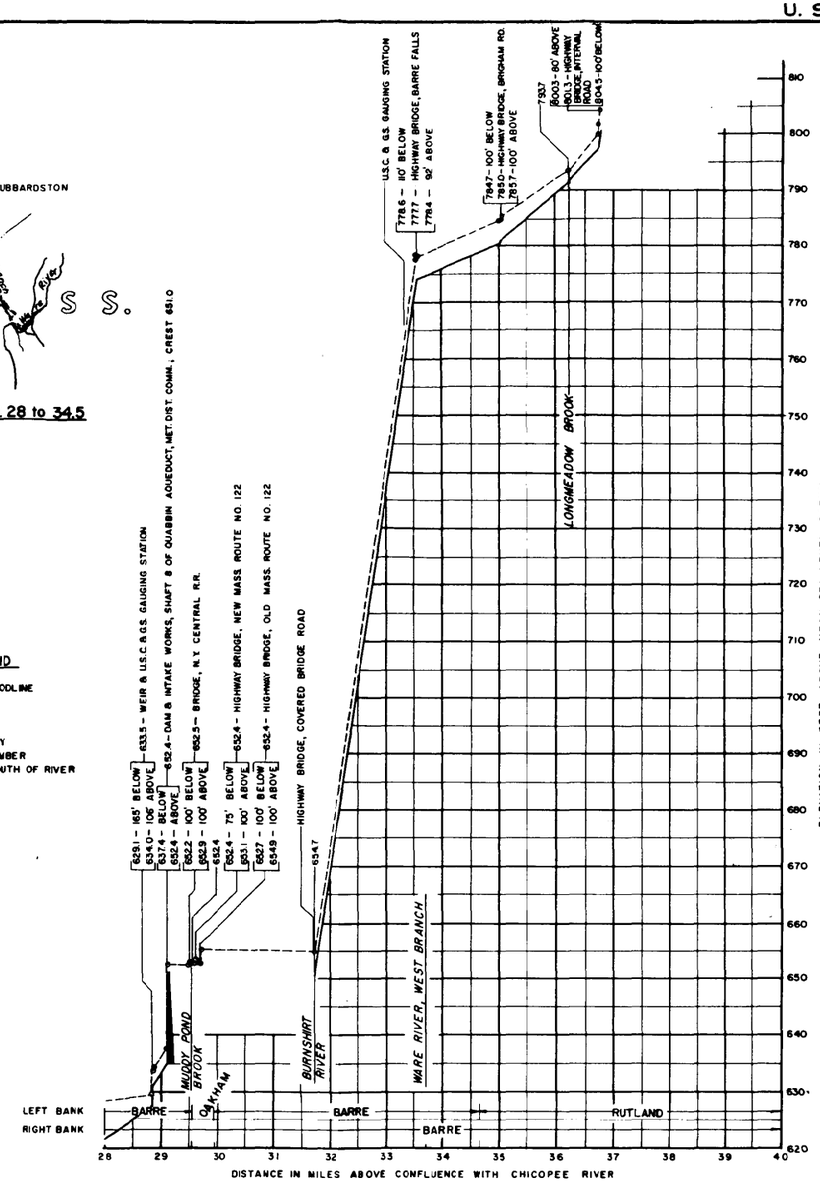
WARE RIVER AND EAST BRANCH–MI. 28 to 34.5

1955 FLOOD LIMITS

SCALE IN MILES 0 1 2 MI.

MAP LEGEND

- AUGUST 1955 FLOODLINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- STATE ROUTE NUMBER
- MILEAGE FROM MOUTH OF RIVER



PROFILE LEGEND

- 345.8 – HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- DAM

NOTE: ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

SCALE
VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CONNECTICUT RIVER FLOOD CONTROL

WARE AND SWIFT RIVERS PLAN AND PROFILE

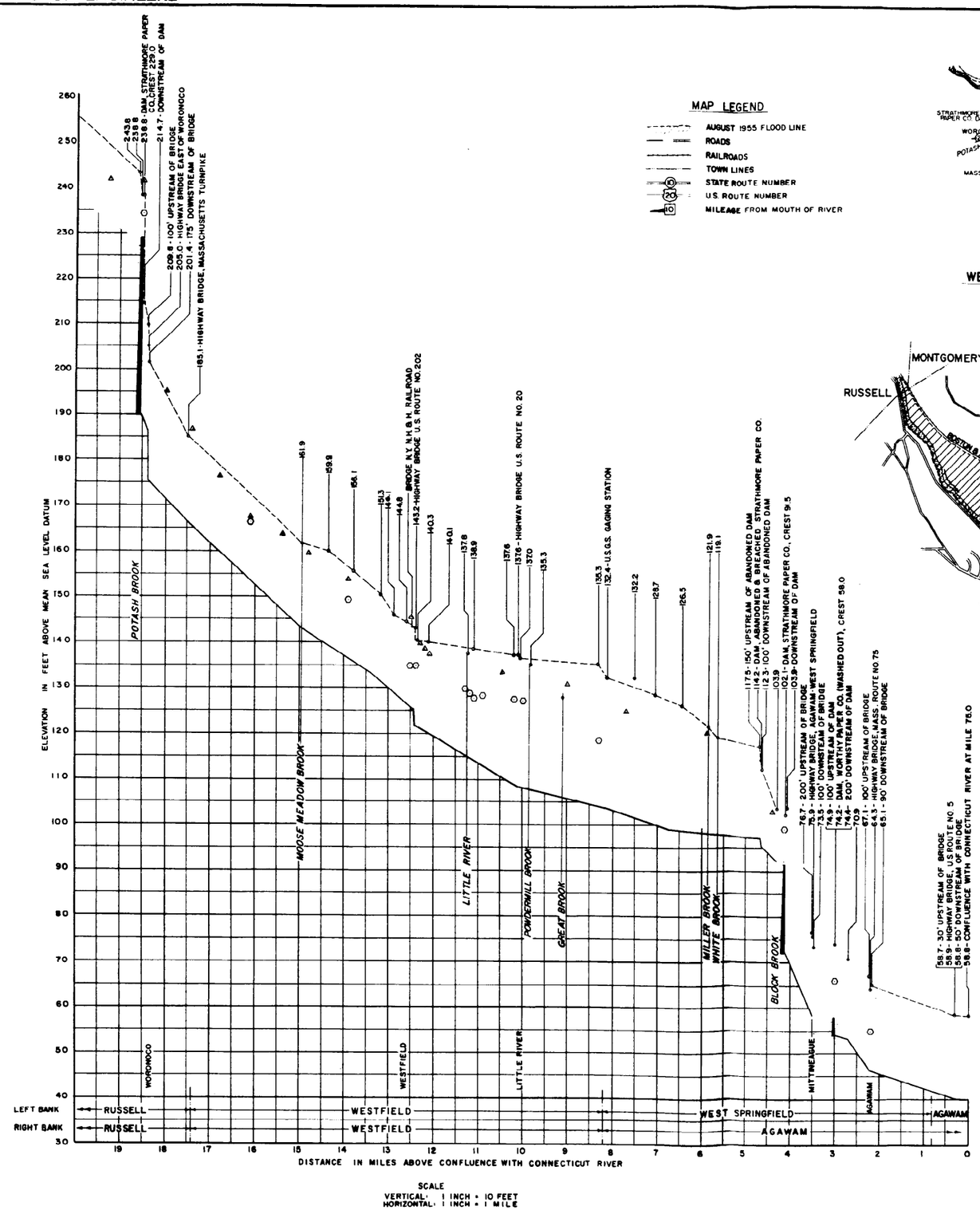
FLOOD OF AUGUST 1955

CONNECTICUT RIVER WATERSHED, CONN., MASS., VT. & N.H.

CHIEF R. & H. SECTION
SUBMITTED BY
CHIEF, PLANN. & RPT'S BRANCH
APPROVED
CHIEF, ENGINEERING DIV.

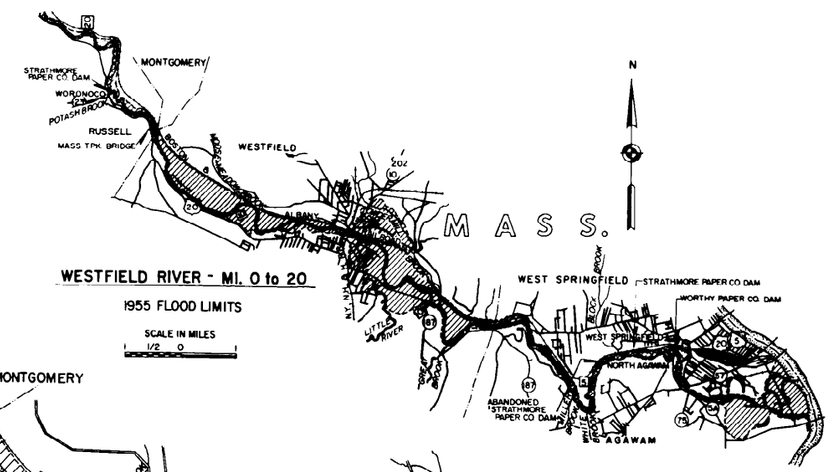
APPROVED DATE
COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN
DRAWING NUMBER
SHEET 1 OF 1



MAP LEGEND

- AUGUST 1955 FLOOD LINE
- ROADS
- RAILROADS
- TOWN LINES
- STATE ROUTE NUMBER
- U.S. ROUTE NUMBER
- MILEAGE FROM MOUTH OF RIVER

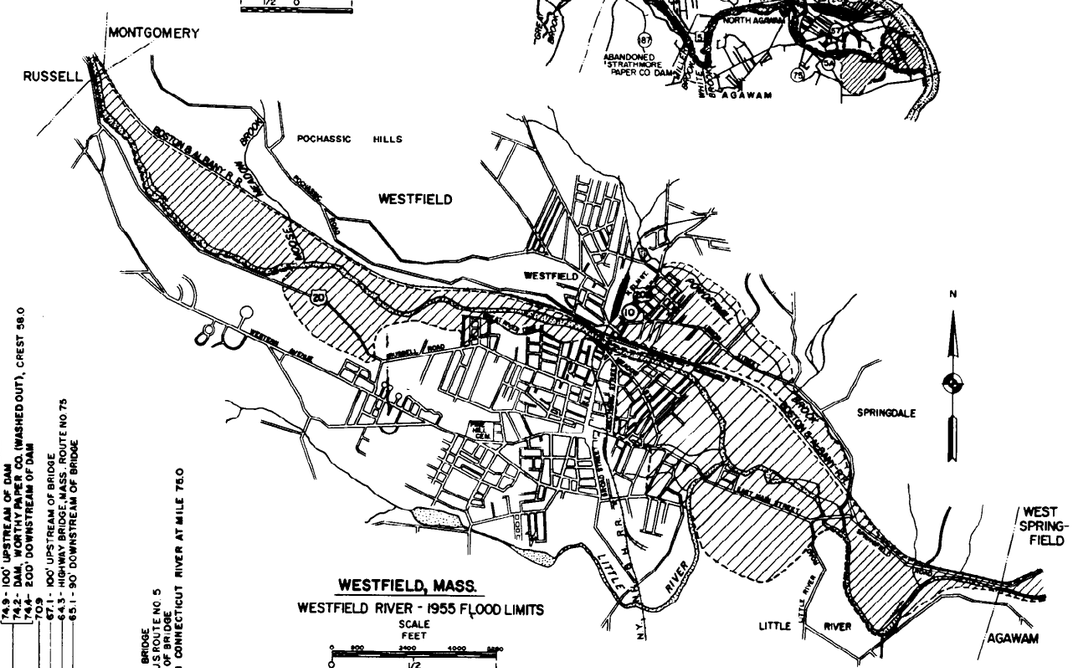


WESTFIELD RIVER - MI. 0 to 20

1955 FLOOD LIMITS

SCALE IN MILES

1/2 0



WESTFIELD, MASS.

WESTFIELD RIVER - 1955 FLOOD LIMITS

SCALE FEET

0 500 2500 4000 5000

1/2 1

MILES

PROFILE LEGEND

- 58.8 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- DECEMBER 1948 FLOOD HIGH WATER MARKS
- SEPTEMBER 1938 FLOOD HIGH WATER MARKS
- DAM

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CHIEF H. & H. SECTION

SUBMITTED BY

CHIEF PLANN. & RPT'S BRANCH

APPROVED

CHIEF ENGINEERING DIV.

CONNECTICUT RIVER FLOOD CONTROL

WESTFIELD RIVER

PLAN AND PROFILE

FLOOD OF AUGUST 1955 - MILE 0 to 20

CONNECTICUT RIVER WATERSHED, CONN., MASS., VT. & N.H.

APPROVED DATE

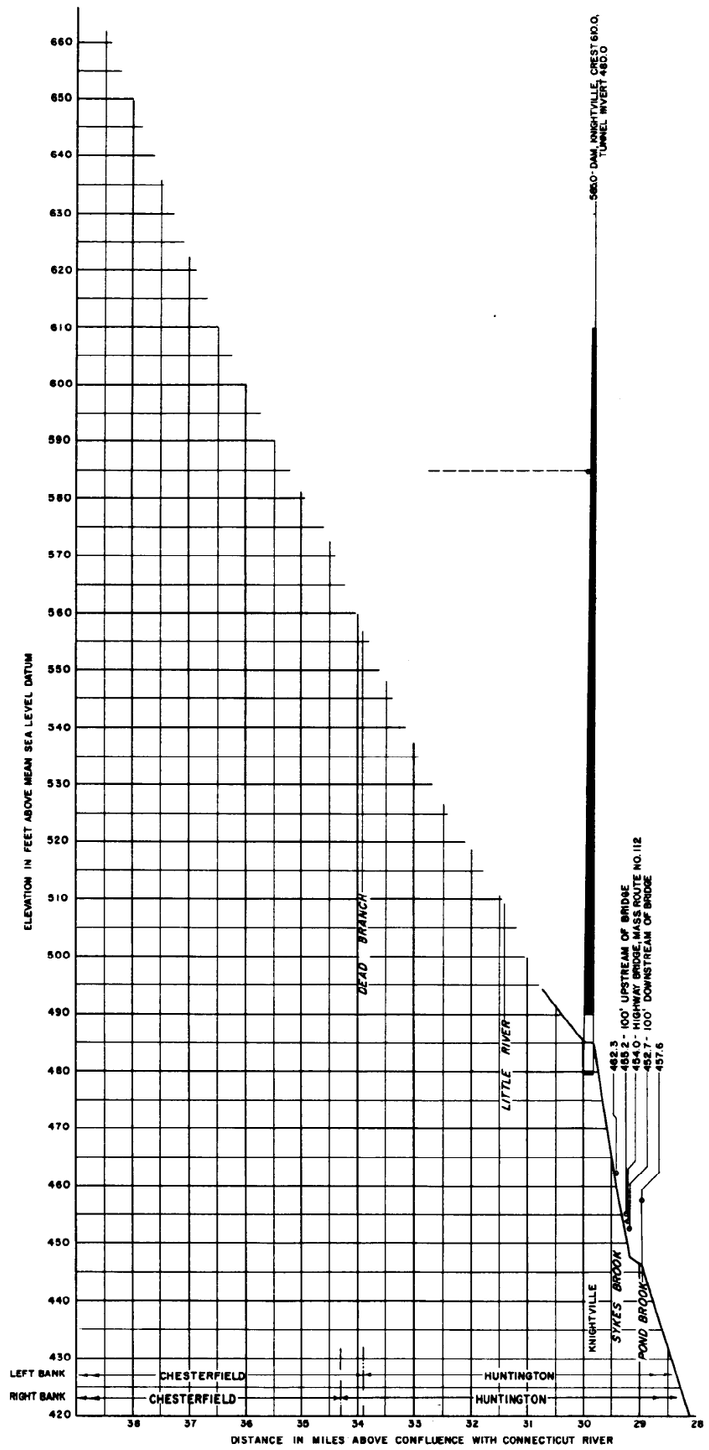
COL. C.E. DIVISION ENGINEER

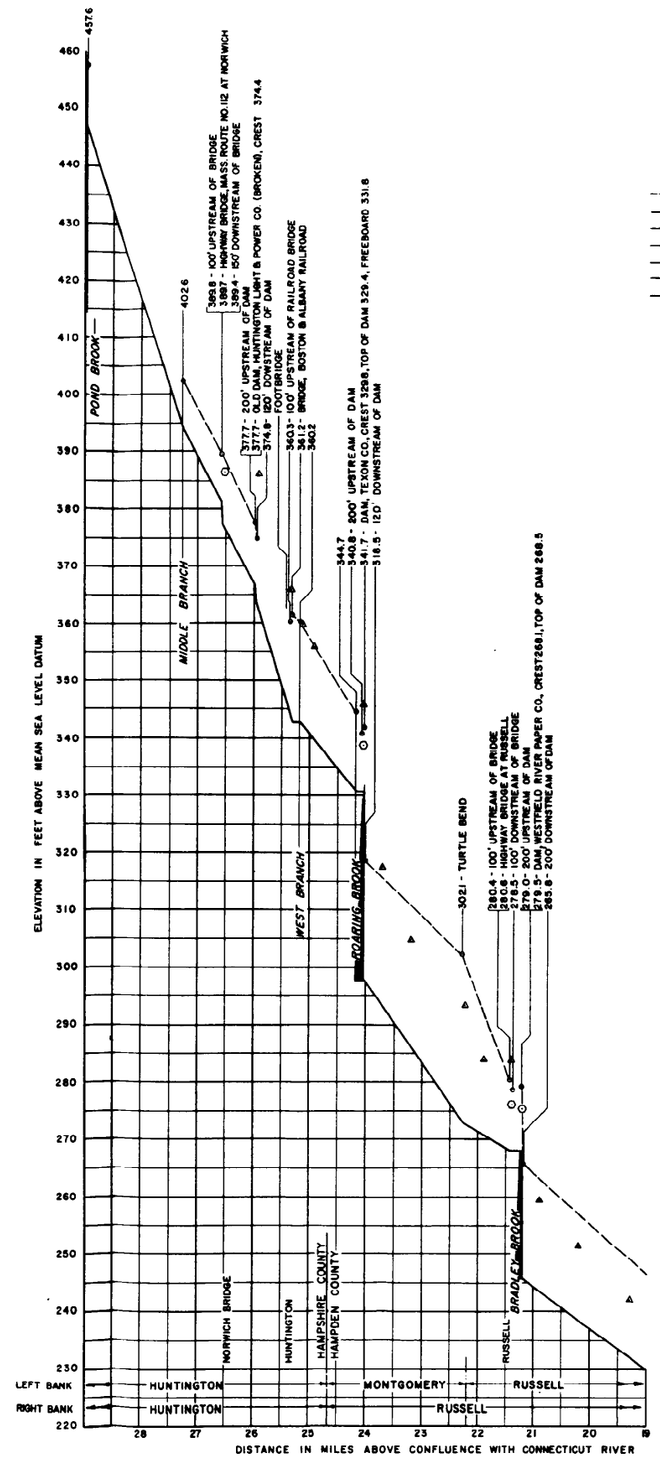
PREPARED BY
FENTON G. KEYES ASSOC.
CONSULTING ENGINEERS
PROV., R. I. - BOSTON, MASS.

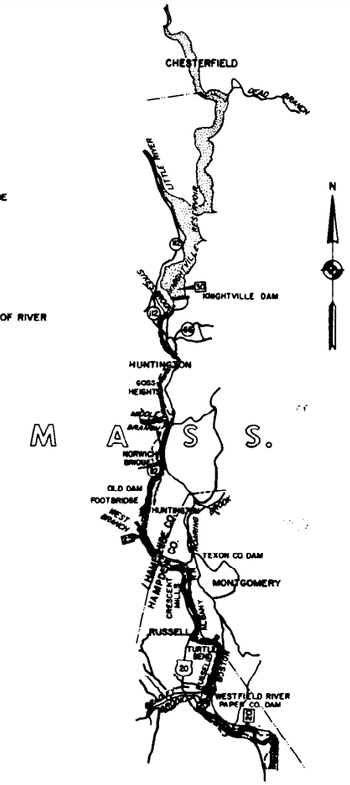
SCALE AS SHOWN

DRAWING NUMBER

SHEET 1 OF 2







MAP LEGEND

- AUGUST 1955 FLOOD LINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- (12) STATE ROUTE NUMBER
- (20) U.S. ROUTE NUMBER
- 25 MILEAGE FROM MOUTH OF RIVER

WESTFIELD RIVER - MI. 20 to 35

1955 FLOOD LIMITS

SCALE IN MILES
1 1/2 0 1

PROFILE LEGEND

- 265.8 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- DECEMBER 1948 FLOOD HIGH WATER MARKS
- SEPTEMBER 1938 FLOOD HIGH WATER MARKS
- DAM

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

SCALE
VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CONNECTICUT RIVER FLOOD CONTROL

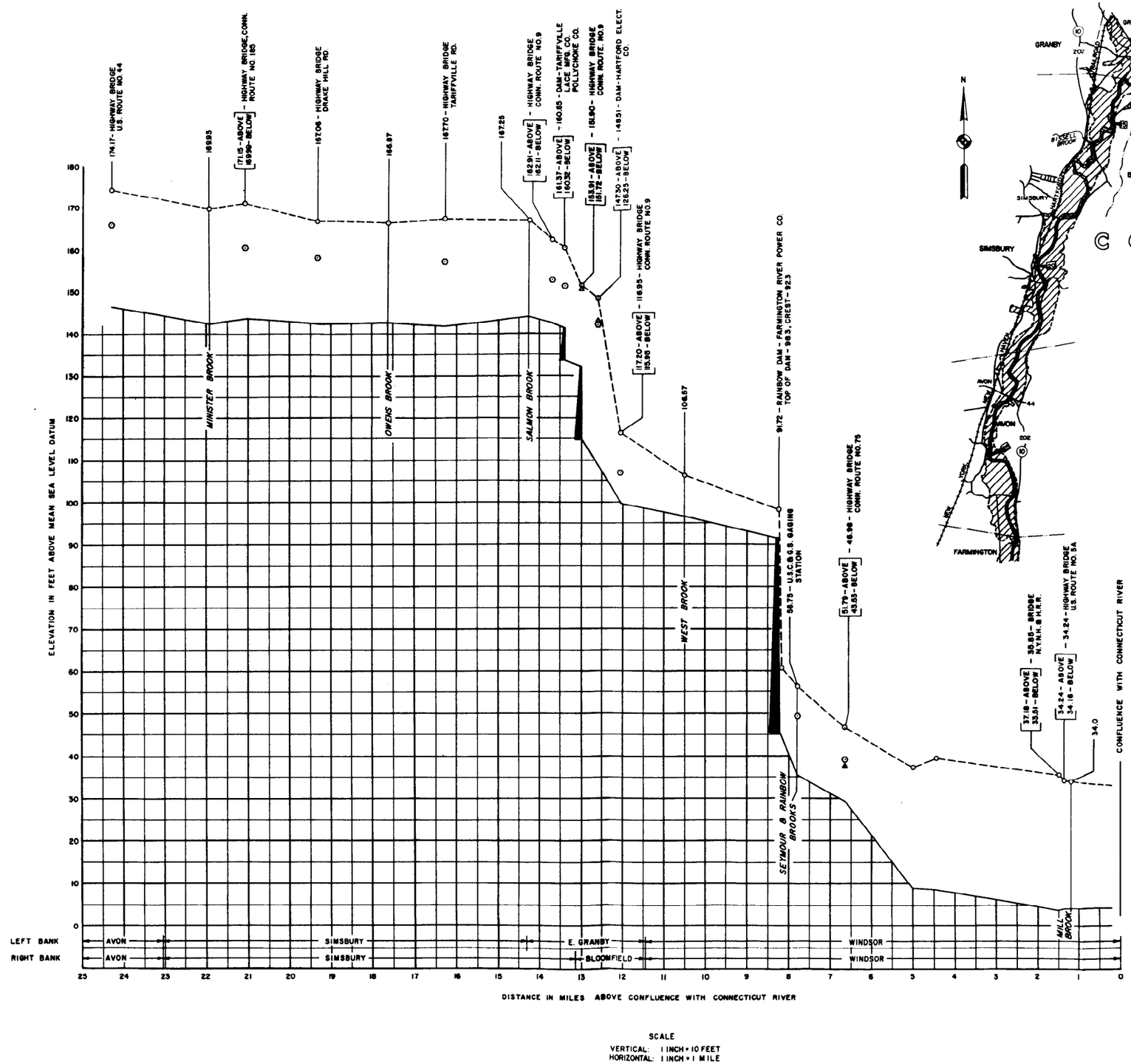
WESTFIELD RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955 - MILE 20 to 39

CONNECTICUT RIVER WATERSHED, CONN., MASS., VT. & N.H.

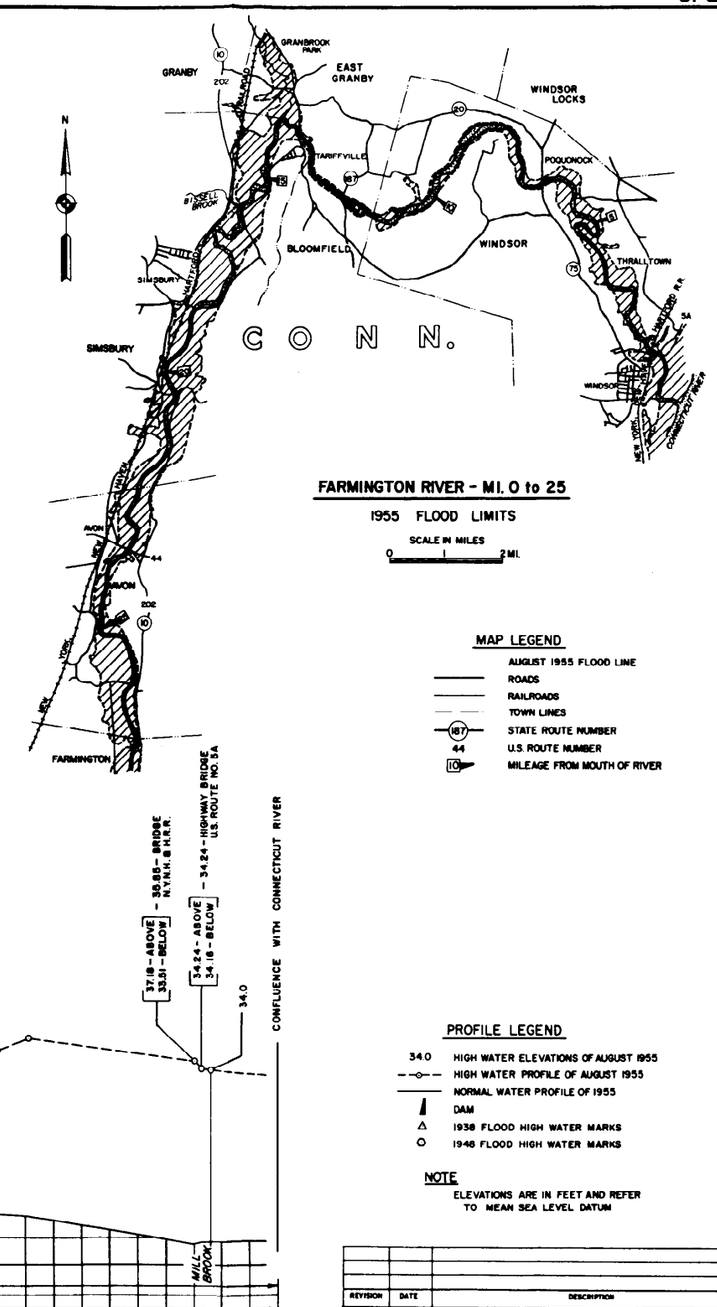
CHIEF, H. & H. SECTION
SUBMITTED BY
CHIEF, PLANN. & RPTS. BRANCH
APPROVED
CHIEF ENGINEERING DIV.

APPROVED DATE
COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN
DRAWING NUMBER
SHEET 2 OF 2



SCALE
VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE



PROFILE LEGEND

- 34.0 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- DAM
- △ 1938 FLOOD HIGH WATER MARKS
- ○ 1948 FLOOD HIGH WATER MARKS

NOTE
ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CONNECTICUT RIVER FLOOD CONTROL

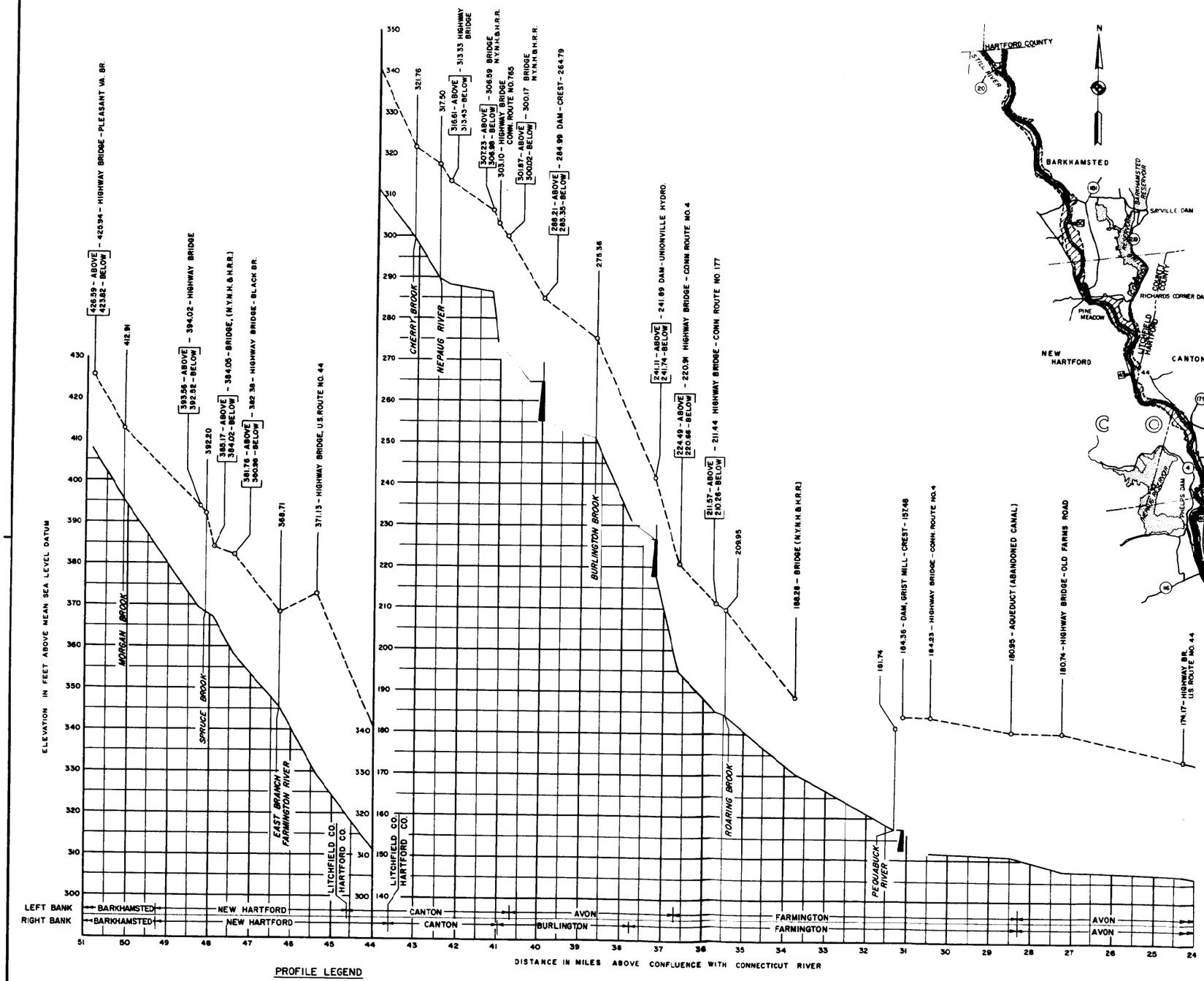
FARMINGTON RIVER PLAN AND PROFILE

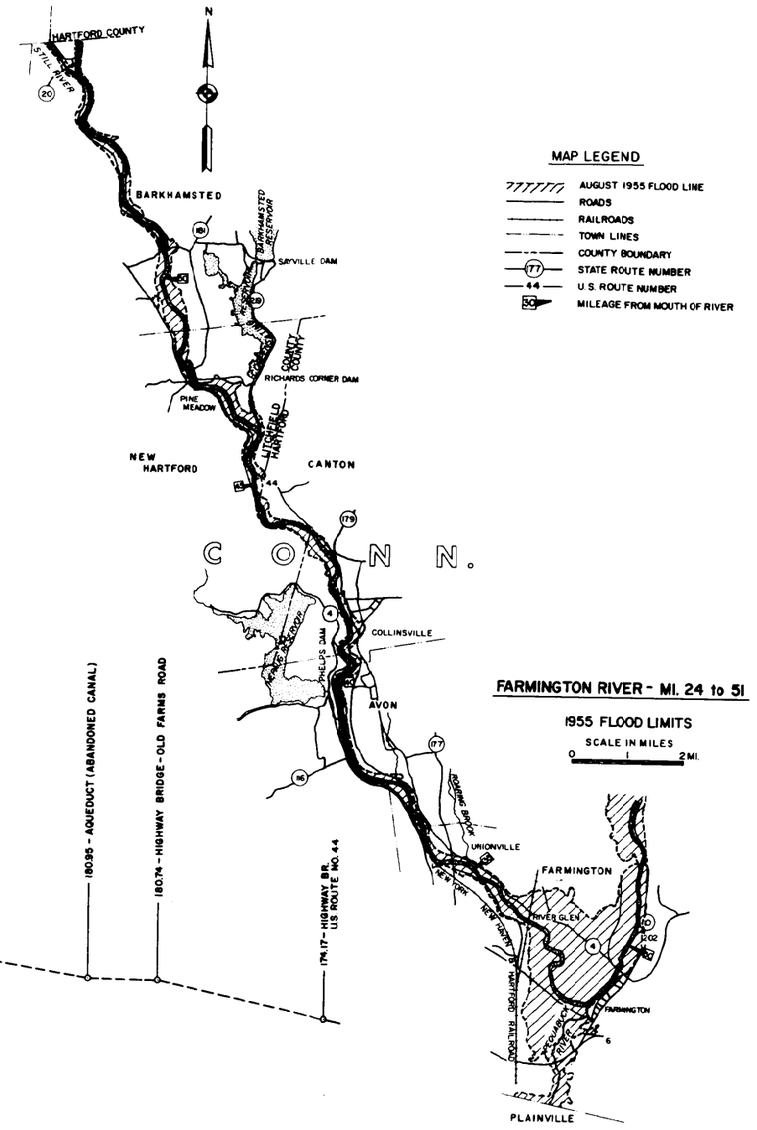
FLOOD OF AUGUST 1955 - MILE 0 to 25

CONNECTICUT RIVER WATERSHED, CONN., MASS., VT., & N.H.

CHIEF H. & H. SECTION
SUBMITTED BY:
CHIEF PLANNING & REP'TS BRANCH
APPROVED
CHIEF ENGINEERING DIV.
APPROVED
DATE
COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN
DRAWING NUMBER
SHEET 1 OF 3





PROFILE LEGEND

- 174.17 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- DAM

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

SCALE

VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CHIEF H & H SECTION
SUBMITTED BY
CHIEF PLANN. BRP'T'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.

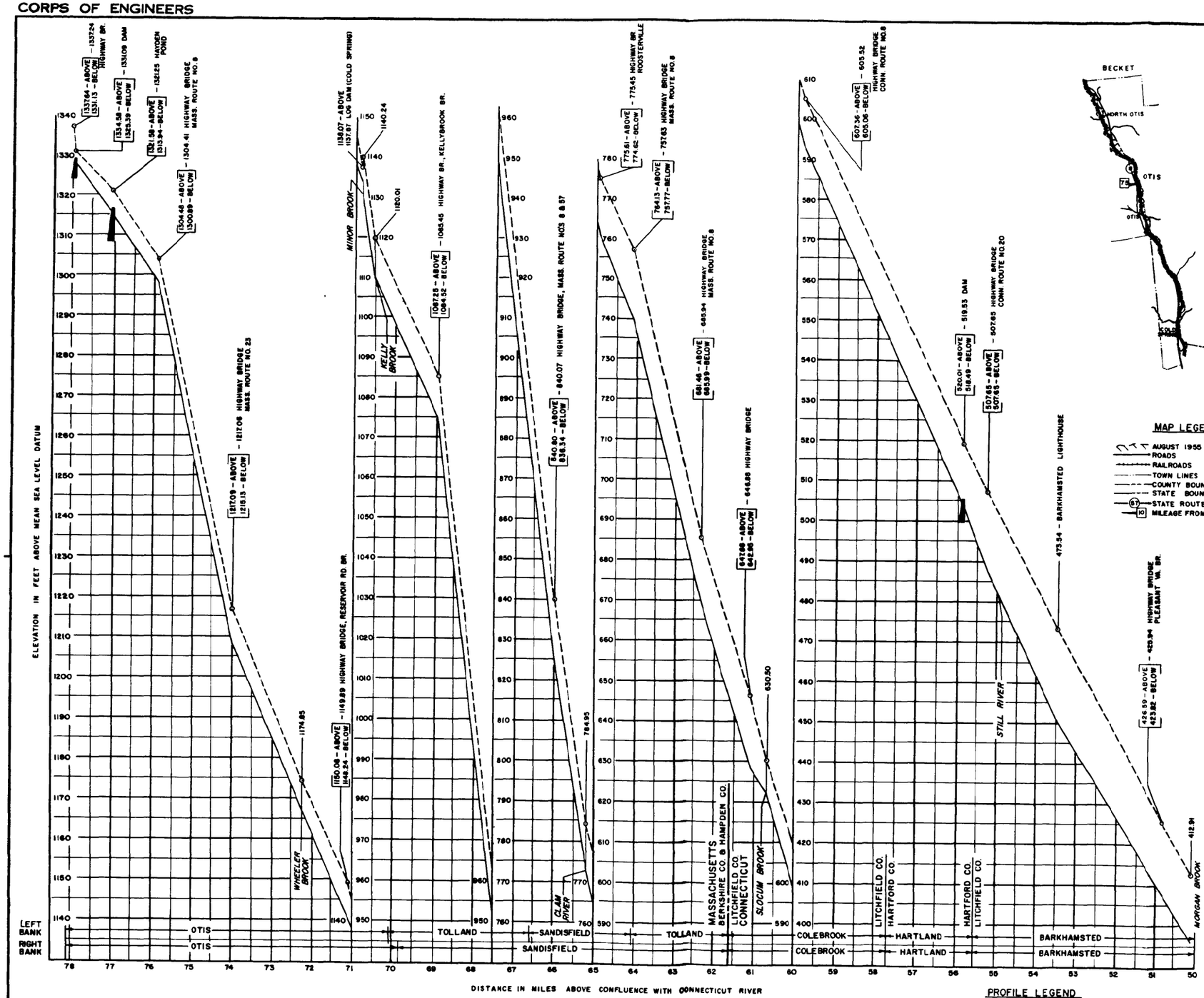
CONNECTICUT RIVER FLOOD CONTROL

FARMINGTON RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955 - MILE 24 to 51

CONNECTICUT RIVER WATERSHED, CONN., MASS., VT. & N.H.

APPROVED DATE
COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN
DRAWING NUMBER
SHEET 2 OF 3



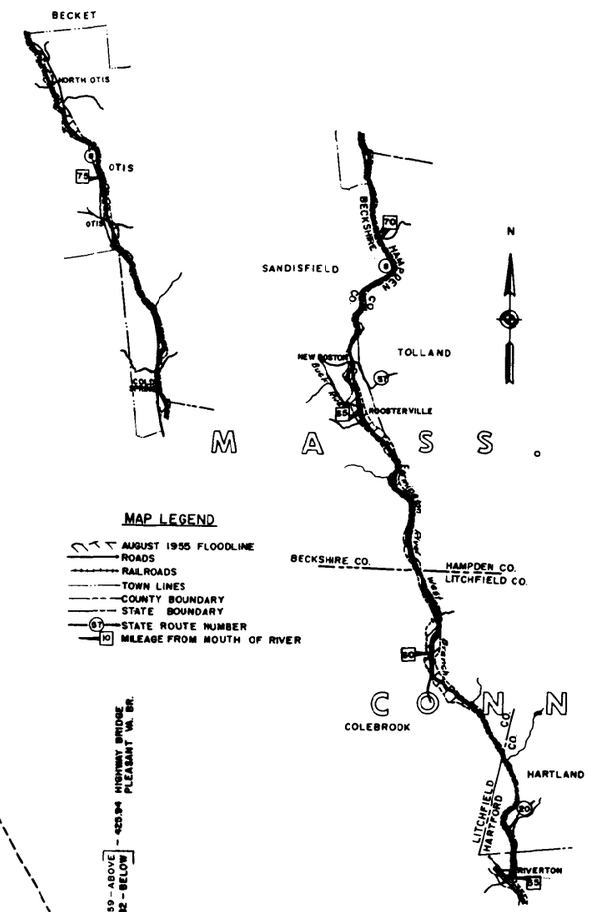
SCALE

VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE

PROFILE LEGEND

520.1 HIGH WATER ELEVATIONS OF AUGUST 1955
— o — HIGH WATER PROFILE OF AUGUST 1955
NORMAL WATER PROFILE OF 1955
DAM

NOTE: ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM



MAP LEGEND

- AUGUST 1955 FLOODLINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- STATE BOUNDARY
- STATE ROUTE NUMBER
- MILEAGE FROM MOUTH OF RIVER

FARMINGTON RIVER & WEST BRANCH - MI. 50 to 78

1955 FLOOD LIMITS

SCALE IN MILES

0 1 2 MI.

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS

DR. BY | TR. BY | CK. BY

CONNECTICUT RIVER FLOOD CONTROL

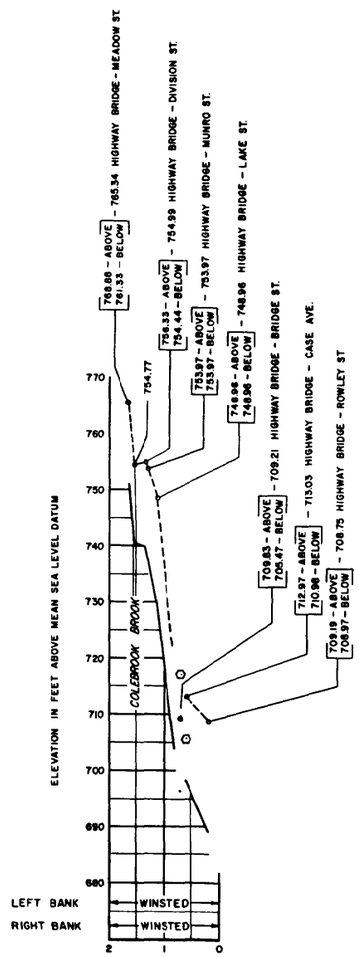
FARMINGTON RIVER & W. BRANCH
PLAN AND PROFILE
FLOOD OF AUGUST 1955 - MILE 50 to 78

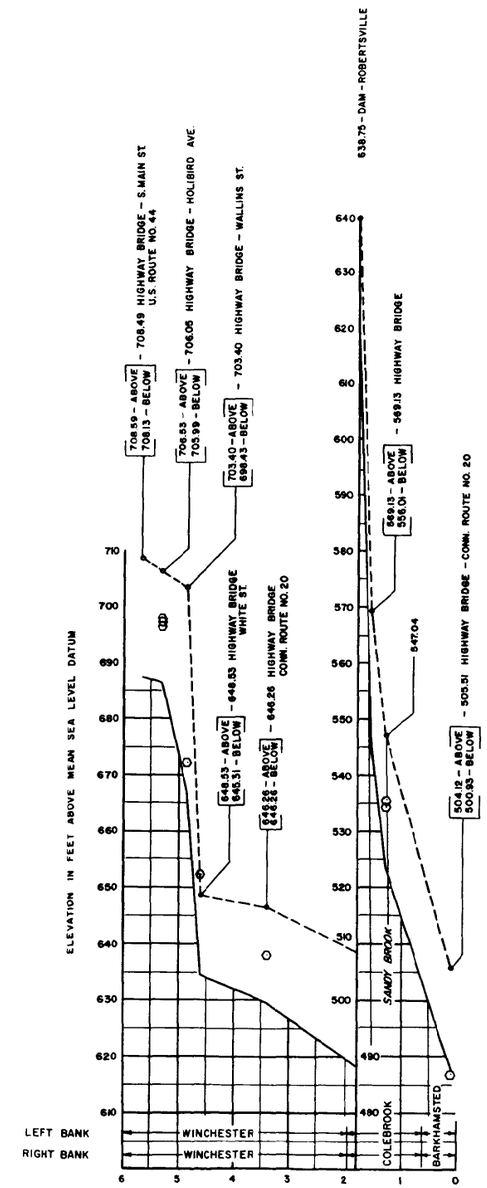
CONNECTICUT RIVER WATERSHED, CONN., MASS., VT. & N.H.

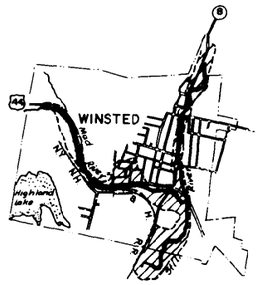
CHIEF H & H SECTION
SUBMITTED BY
CHIEF, PLANN. & RPT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.

APPROVED DATE
COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN
DRAWING NUMBER
SHEET 3 OF 3







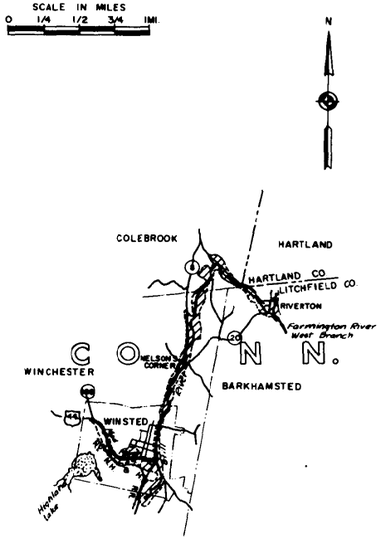
WINSTED, CONN.

MAD & STILL RIVERS – 1955 FLOOD LIMITS

SCALE IN MILES
0 1/4 1/2 3/4 1MI.

MAP LEGEND

- AUGUST 1955 FLOODLINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- STATE ROUTE NUMBER
- U.S. ROUTE NUMBER



MAD RIVER–MI. 0 to 1.7 AND STILL RIVER–MI. 0 to 5.7

1955 FLOOD LIMITS

SCALE IN MILES
0 1 2 MI.

SCALE
VERTICAL: 1 INCH = 10 FEET
HORIZONTAL: 1 INCH = 1 MILE

PROFILE LEGEND

- 314.2 HIGH WATER ELEVATIONS OF AUGUST 1955
- —o— HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- 1948 FLOOD HIGH WATER MARKS
- DAM

NOTE: ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS

DR. BY | TR. BY | CK. BY

CHIEF H & H SECTION
SUBMITTED BY
CHIEF, PLANNING & RPT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.

CONNECTICUT RIVER FLOOD CONTROL

MAD & STILL RIVERS

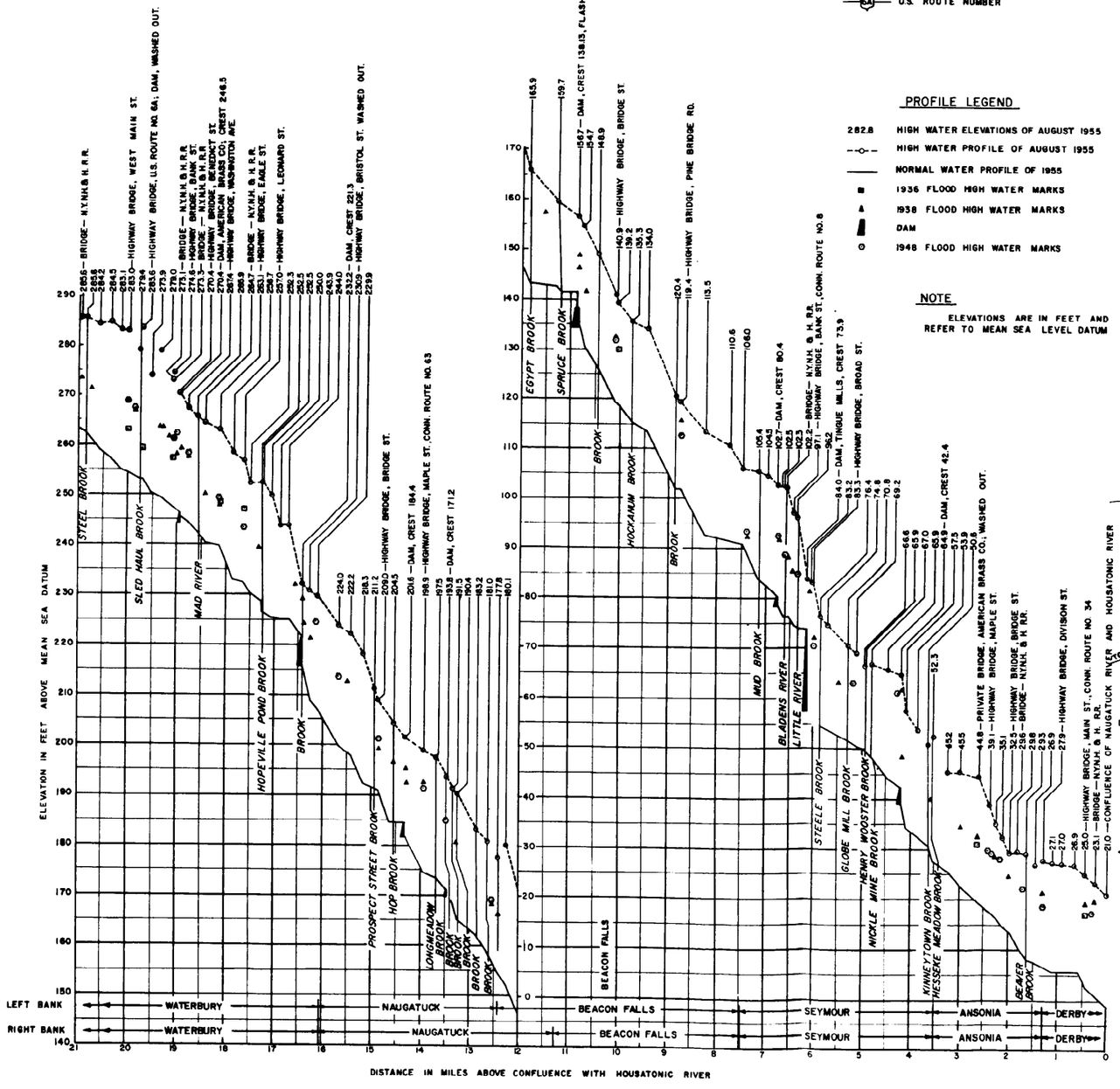
PLAN AND PROFILE

FLOOD OF AUGUST 1955

CONNECTICUT RIVER WATERSHED, CONN., MASS., VT. & N.H.

APPROVED DATE
COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN
DRAWING NUMBER
SHEET 1 OF 1



MAP LEGEND

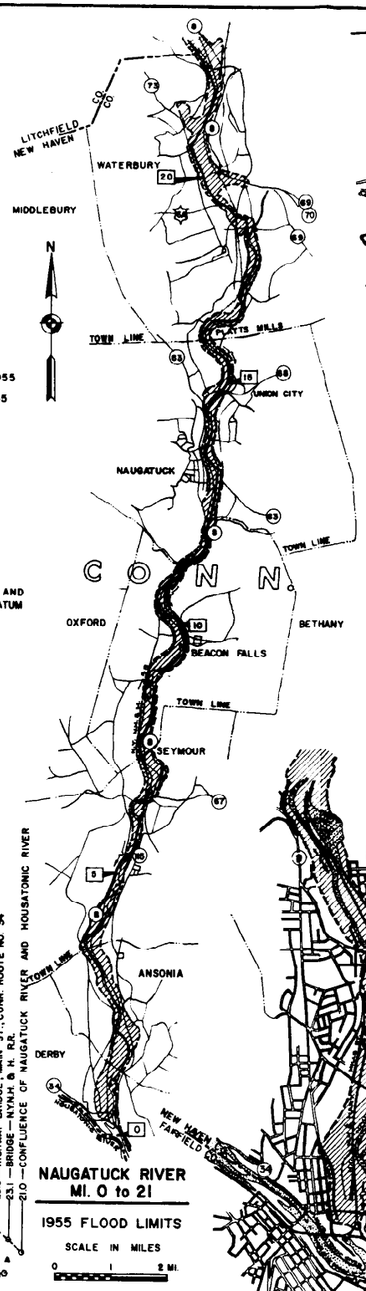
- AUGUST 1955 FLOOD LINE
- ROADS
- RAILROADS
- TOWN LINES
- COUNTY BOUNDARY
- STATE ROUTE NUMBER
- MILEAGE FROM MOUTH OF RIVER
- U.S. ROUTE NUMBER

PROFILE LEGEND

- 282.8 HIGH WATER ELEVATIONS OF AUGUST 1955
- HIGH WATER PROFILE OF AUGUST 1955
- NORMAL WATER PROFILE OF 1955
- 1936 FLOOD HIGH WATER MARKS
- 1938 FLOOD HIGH WATER MARKS
- DAM
- 1948 FLOOD HIGH WATER MARKS

NOTE

ELEVATIONS ARE IN FEET AND REFER TO MEAN SEA LEVEL DATUM

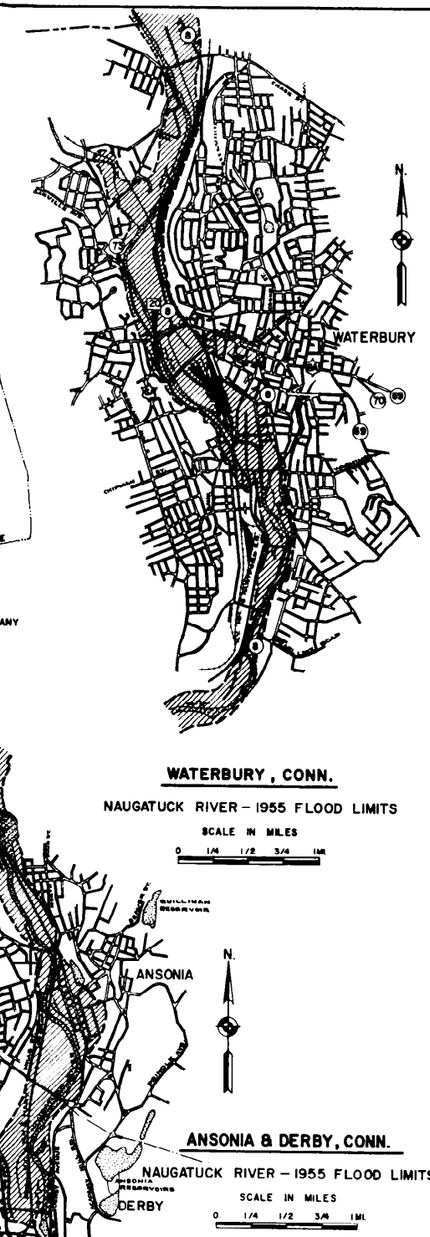


NAUGATUCK RIVER
MI. 0 to 21

1955 FLOOD LIMITS

SCALE IN MILES

0 1 2 MI.



WATERBURY, CONN.

NAUGATUCK RIVER – 1955 FLOOD LIMITS

SCALE IN MILES

0 1/4 1/2 3/4 1MI.

ANSONIA & DERBY, CONN.

NAUGATUCK RIVER – 1955 FLOOD LIMITS

SCALE IN MILES

0 1/4 1/2 3/4 1MI.

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CHIEF H. & H. SECTION

SUBMITTED BY

CHIEF, PLANN. & RPT'S BRANCH

APPROVED

CHIEF ENGINEERING DIV.

HOUSATONIC RIVER FLOOD CONTROL

NAUGATUCK RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955 - MILE 0 to 21
HOUSATONIC RIVER WATERSHED, CONN., N.Y. & MASS.

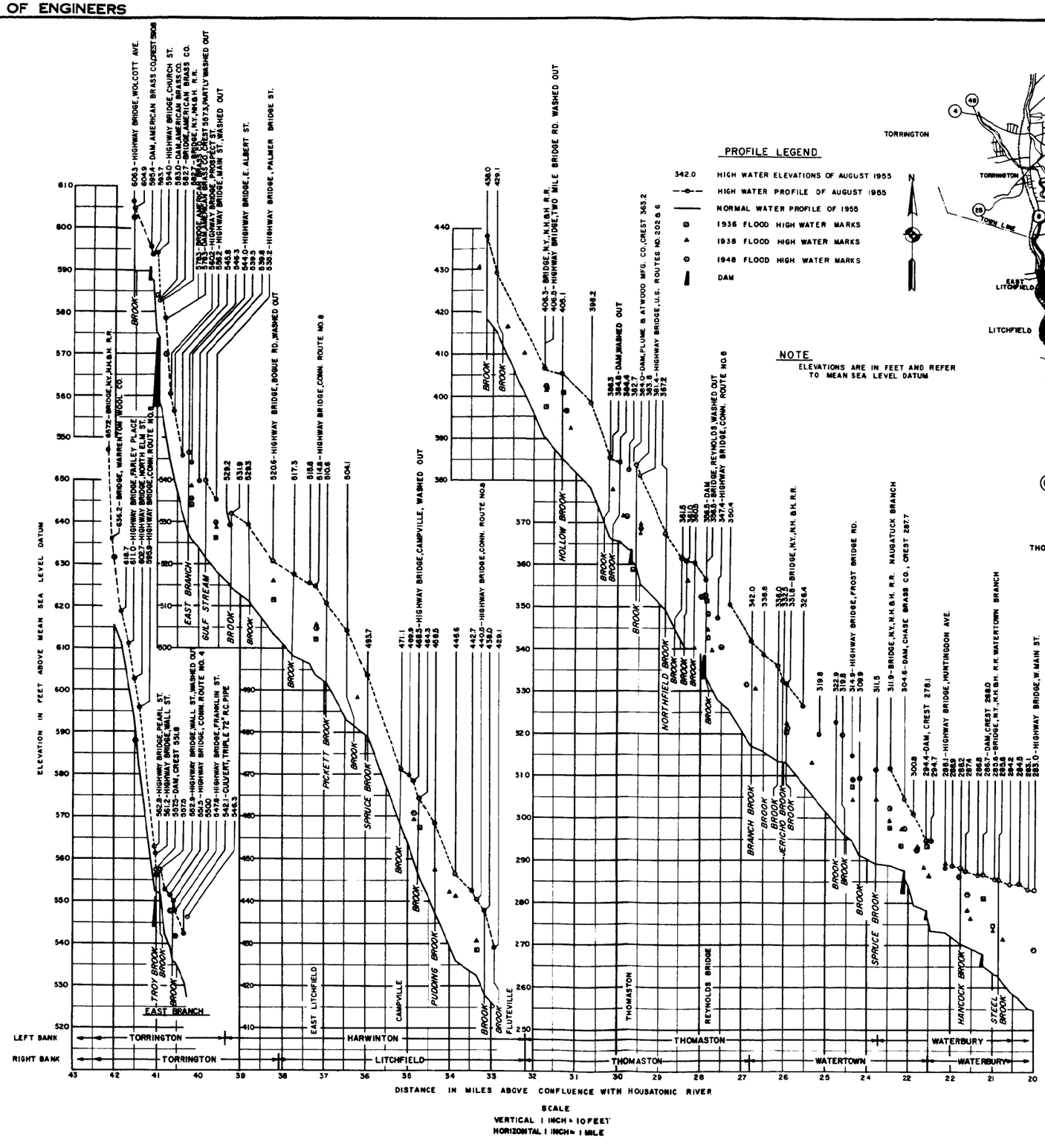
APPROVED | DATE

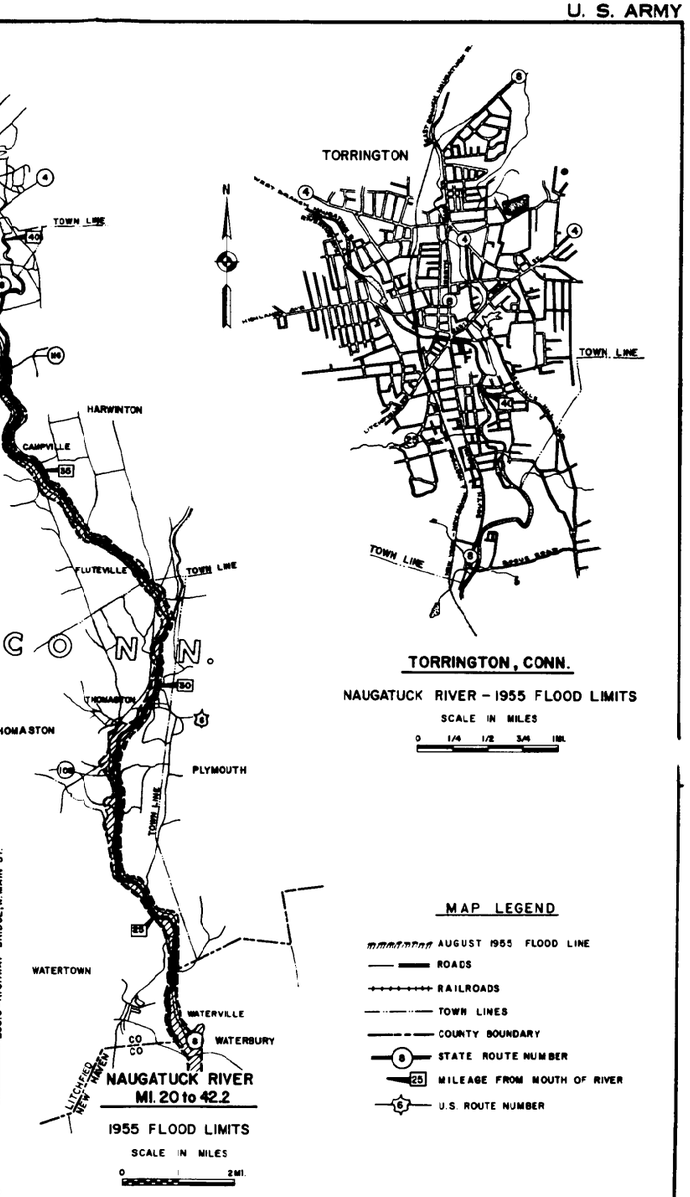
COL. C.E. DIVISION ENGINEER

SCALE: AS SHOWN

DRAWING NUMBER

SHEET 1 OF 2





REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CHIEF, H & H SECTION
SUBMITTED BY
CHIEF, PLANN. & RPTS. BRANCH
APPROVED
CHIEF, ENGINEERING DIV.

HOUSATONIC RIVER FLOOD CONTROL

NAUGATUCK RIVER
PLAN AND PROFILE
FLOOD OF AUGUST 1955 - MILE 20 to 42.2

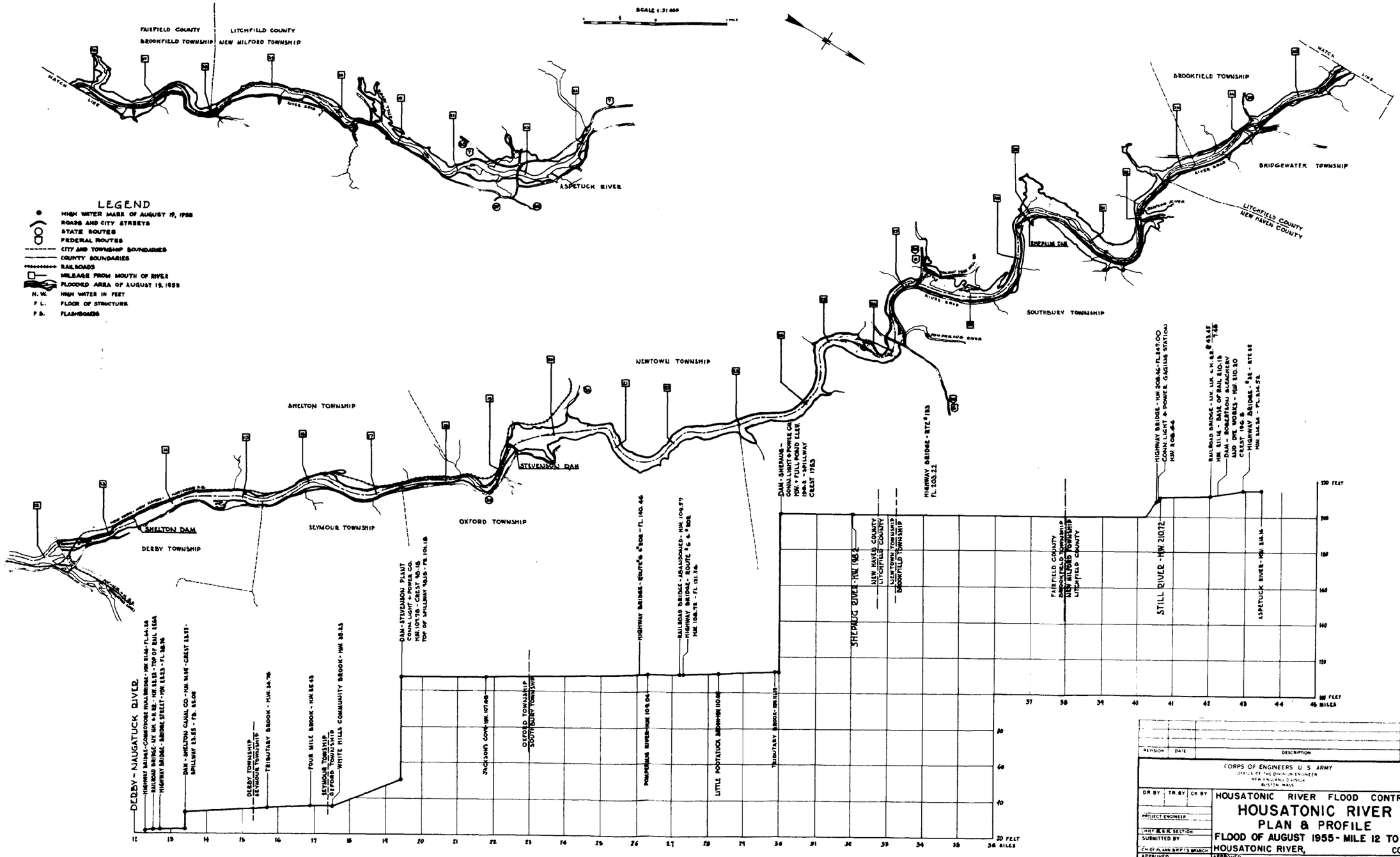
HOUSATONIC RIVER WATERSHED, CONN., N.Y. & MASS.

APPROVED DATE
COL. C.E. DIVISION ENGINEER

SCALE: AS SHOWN
DRAWING NUMBER
SHEET 2 OF 2

PLAN

SCALE 1:31 680



NOTES
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL DATUM
DISTANCES IN MILES FROM THE RAILROAD BRIDGE BELOW SHELTON

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS U.S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR BY | TR BY | CK BY

PROJECT ENGINEER

CHIEF R & H SECTION

SUBMITTED BY

CHIEF PLANN. BRP'TS BRANCH

APPROVED

CHIEF ENGINEERING DIV.

HOUSATONIC RIVER FLOOD CONTROL

HOUSATONIC RIVER
PLAN & PROFILE
FLOOD OF AUGUST 1955 - MILE 12 TO 45
HOUSATONIC RIVER, CONN.

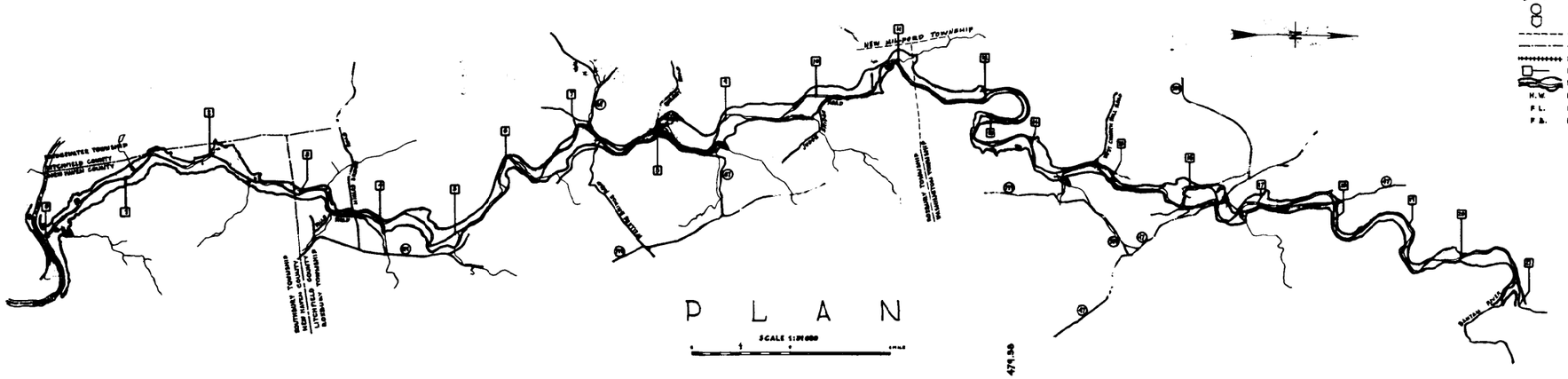
APPROVED DATE

COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN

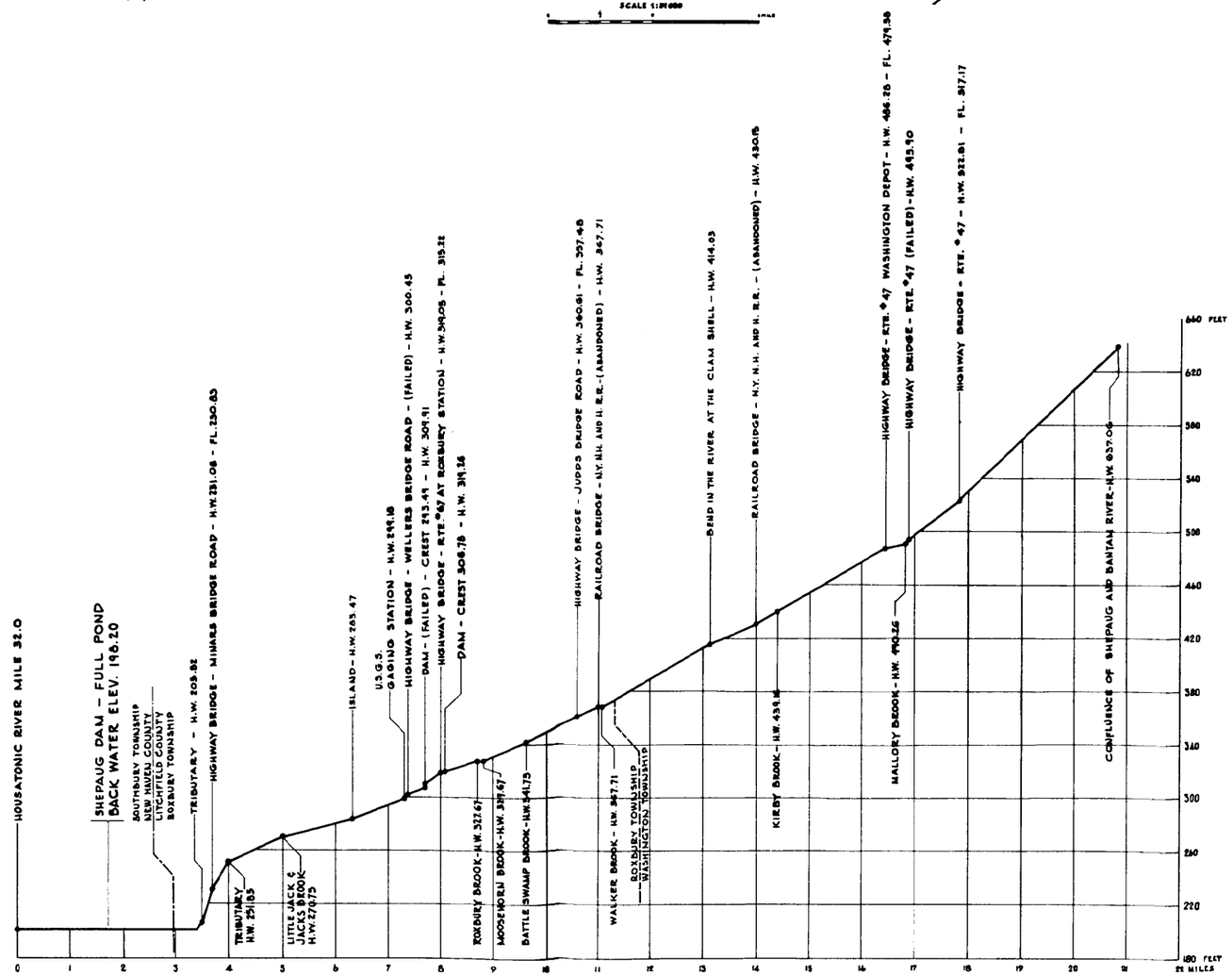
DRAWING NUMBER

SHEET 1 OF 1



LEGEND

- HIGH WATER MARK OF AUGUST 19, 1955
- ROADS AND CITY STREETS
- STATE ROUTES
- FEDERAL ROUTES
- CITY AND TOWNSHIP BOUNDARIES
- COUNTY BOUNDARIES
- RAILROADS
- MILEAGE FROM MOUTH OF RIVER
- FLOODED AREA AUGUST 19, 1955
- H.W. HIGH WATER IN FEET
- F.L. FLOOR OF STRUCTURE
- F.B. FLASHBOARDS



NOTES:
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL DATUM
DISTANCES IN MILES FROM HOUSATONIC RIVER

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR BY | TR BY | CK BY

PROJECT ENGINEER

CHIEF, HYDROLOGY BRANCH

SUBMITTED BY

CHIEF, DESIGN BRANCH

APPROVED

CHIEF ENGINEERING DIV.

HOUSATONIC RIVER FLOOD CONTROL

SHEPAUG RIVER

PLAN & PROFILE

FLOOD OF AUGUST 1955 - MILE 0 TO 22

SHEPAUG RIVER, CONN.

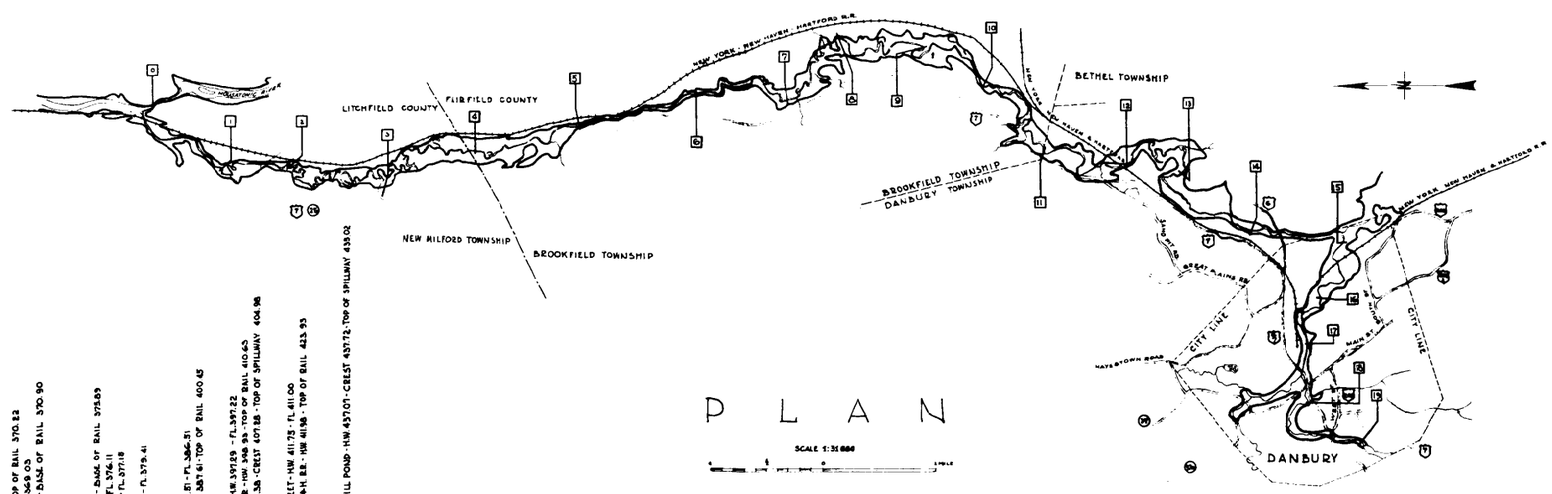
APPROVED | DATE

COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN

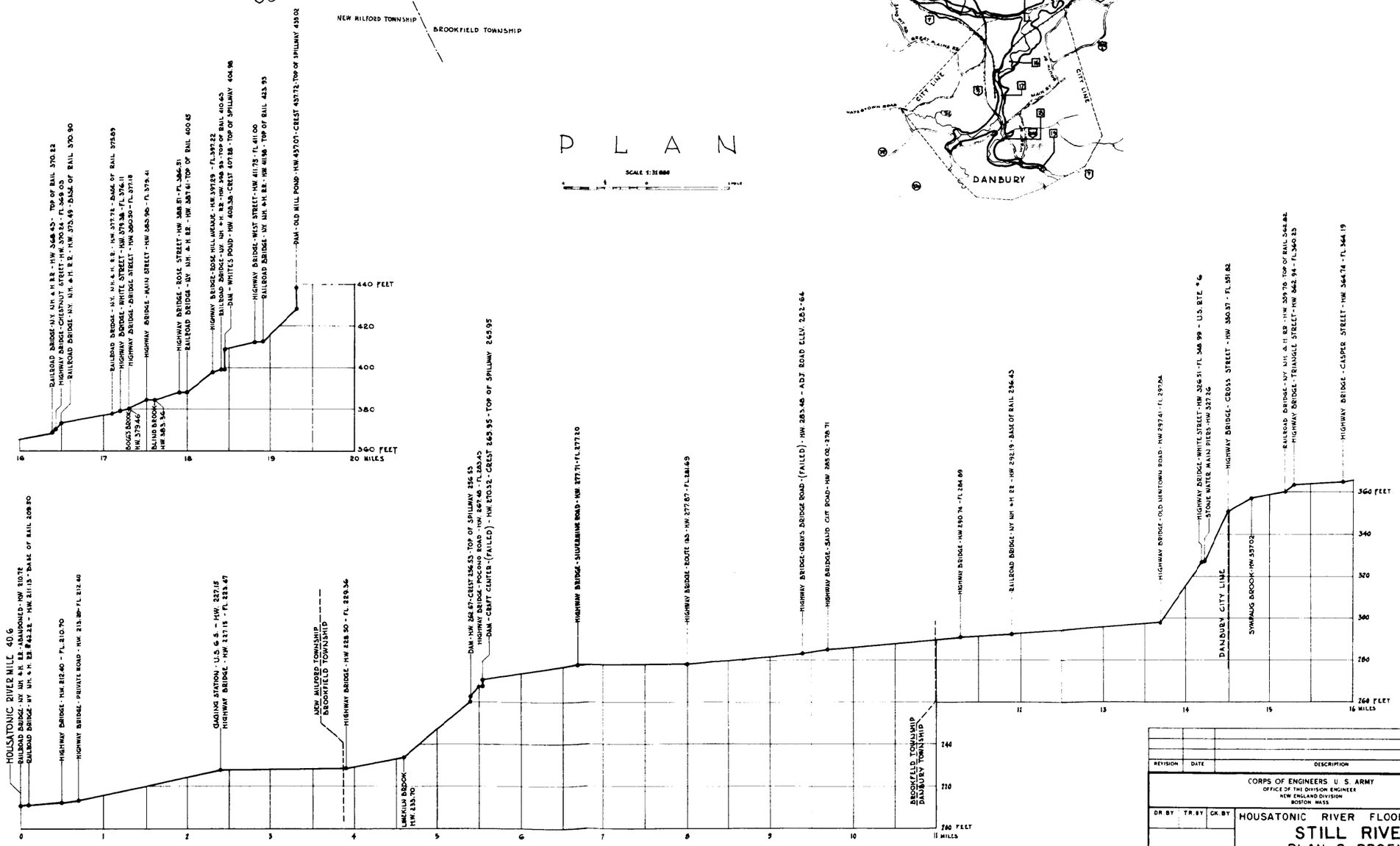
DRAWING NUMBER

SHEET 1 OF 1



LEGEND

- HIGH WATER MARK OF OCTOBER 16, 1955
- ROADS AND CITY STREETS
- STATE ROUTES
- FEDERAL ROUTES
- CITY AND TOWNSHIP BOUNDARIES
- COUNTY BOUNDARIES
- RAILROADS
- MILEAGE FROM MOUTH OF RIVER
- FLOODED AREA OF OCTOBER 16, 1955
- H.W. HIGH WATER IN FEET
- F.L. FLOOR OF STRUCTURE
- F.B. FLASHBOARDS



NOTES
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL DATUM
DISTANCES IN MILES FROM HOUSATONIC RIVER

REVISION	DATE	DESCRIPTION	BY

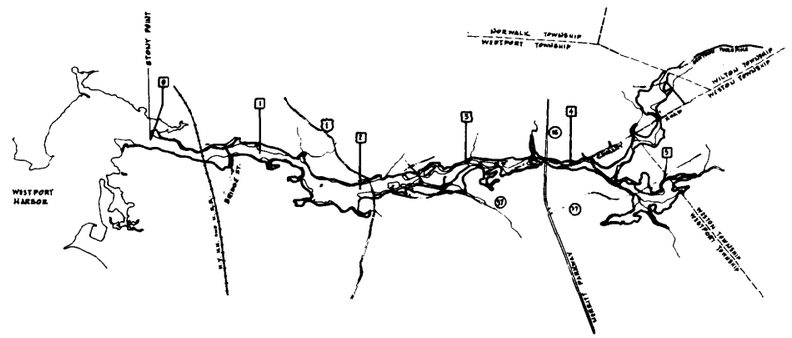
CORPS OF ENGINEERS U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS

DR. BY | TR. BY | CK. BY

HOUSATONIC RIVER FLOOD CONTROL
STILL RIVER
PLAN & PROFILE
FLOOD OF OCTOBER 1955 - MILE 0 TO 20
STILL RIVER, CONN.

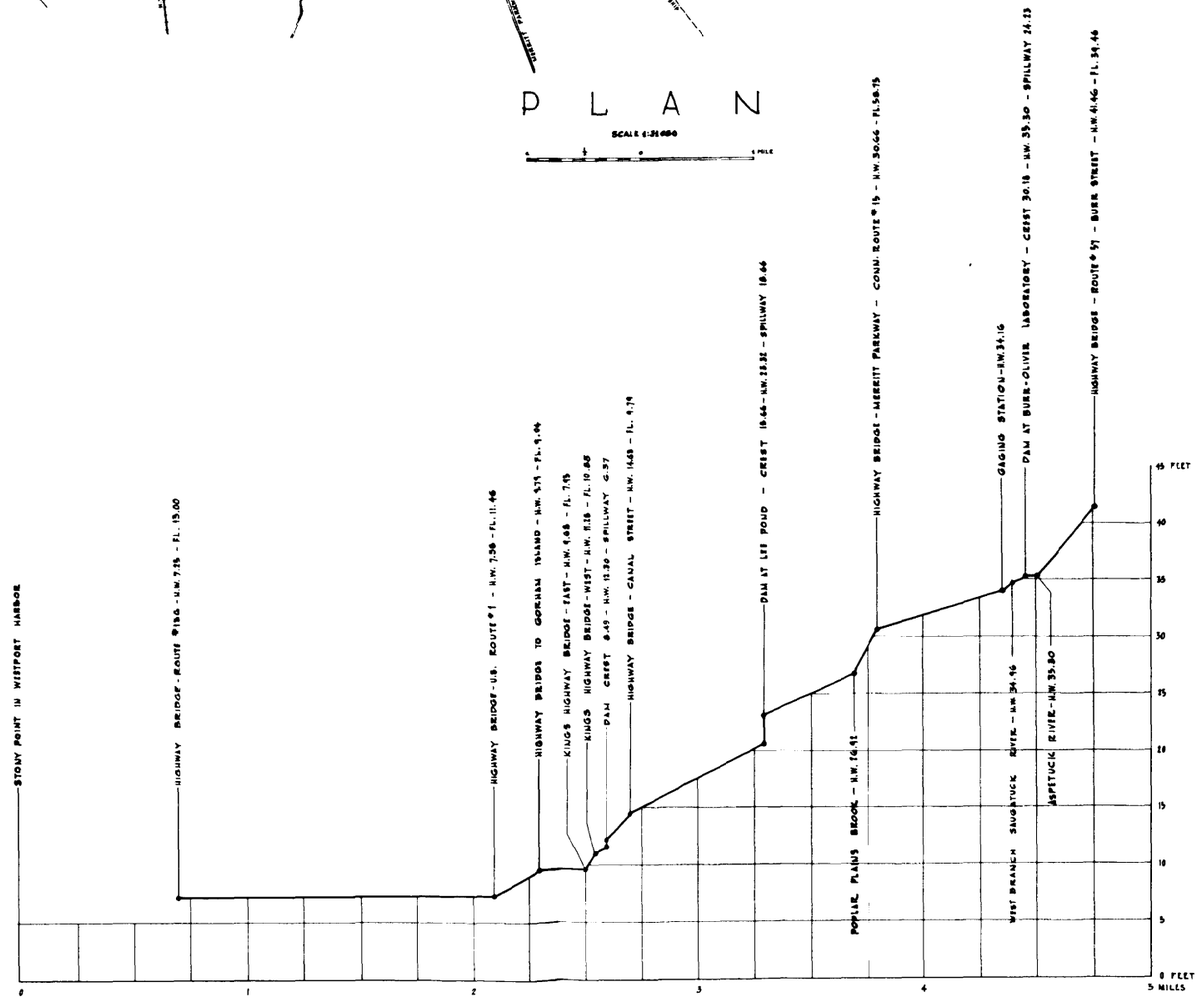
CHIEF H & H SECTION
SUBMITTED BY
CHIEF PLANN & RPT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.
APPROVED
DATE
COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN
DRAWING NUMBER
SHEET 1 OF 1



PLAN

SCALE 1:24000



LEGEND

- HIGH WATER MARK OF OCTOBER 16, 1955
- ROADS AND CITY STREETS
- STATE ROUTES
- FEDERAL ROUTES
- CITY AND TOWNSHIP BOUNDARIES
- COUNTY BOUNDARIES
- RAILROADS
- MILEAGE FROM MOUTH OF RIVER
- FLOODED AREA OF OCTOBER 16, 1955
- H.W. HIGH WATER IN FEET
- FL. FLOOR OF STRUCTURE
- F.B. FLASHBOARDS

NOTES

ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL DATUM.
DISTANCES IN MILES FROM STONY POINT IN WESTPORT HARBOR.

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CONN. COASTAL RIVERS FLOOD CONTROL

SAUGATUCK RIVER

PLAN & PROFILE

FLOOD OF OCTOBER 1955 - MILE 0 TO 5

SAUGATUCK RIVER, CONN.

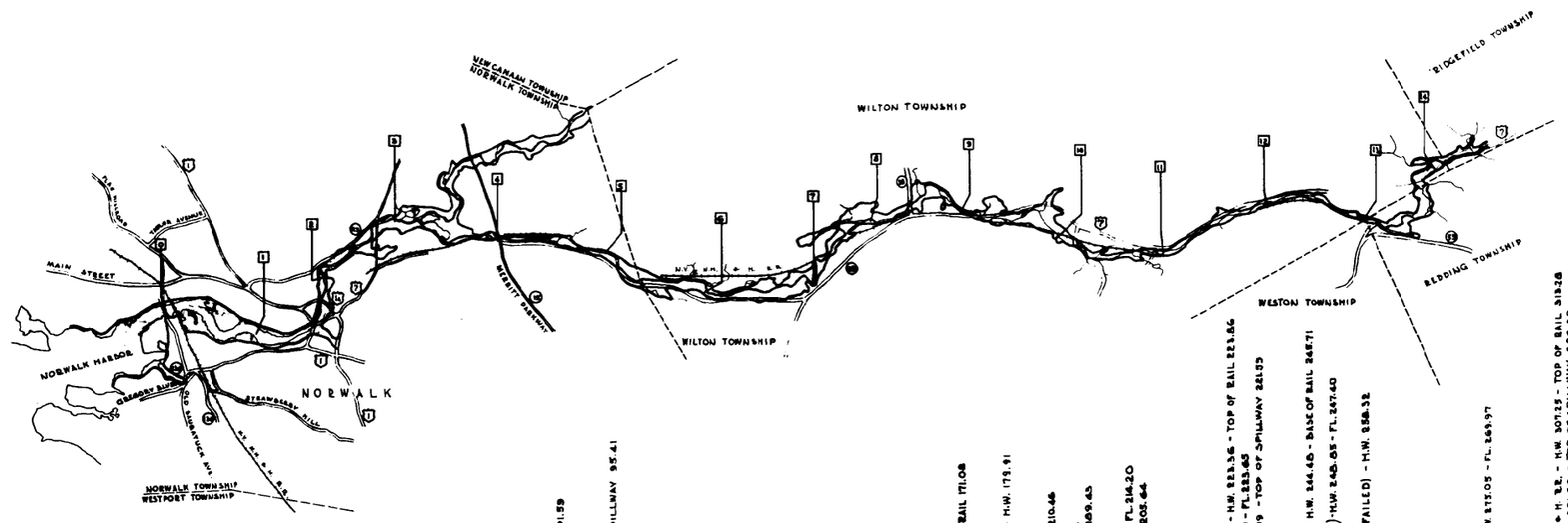
CHIEF H & H SECTION
SUBMITTED BY
CHIEF PLANN. & RPT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.

APPROVED DATE
COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN
DRAWING NUMBER
SHEET 1 OF 1

PLAN

SCALE 1:31,680



LEGEND

- HIGH WATER MARK OF OCTOBER 16, 1955
- ROADS AND CITY STREETS
- STATE ROUTES
- FEDERAL ROUTES
- CITY AND TOWNSHIP BOUNDARIES
- COUNTY BOUNDARIES
- RAILROADS
- MILEAGE FROM MOUTH OF RIVER
- FLOODED AREA OF OCTOBER 16, 1955
- H.W. HIGH WATER IN FEET
- FL. FLOOR OF STRUCTURE
- FB. FLASHBOARDS

NOTES

ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL DATUM
DISTANCES IN MILES FROM THE HIGHWAY BRIDGE ROUTE 136 ACROSS SOUTH NORWALK HARBOR

DATE	DESCRIPTION	BY

CORPS OF ENGINEERS U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CHIEF ENGINEER

CHIEF, HYDROLOGY BRANCH

SUBMITTED BY

APPROVED

CHIEF, ENGINEERING DIV.

CONN. COASTAL RIVERS FLOOD CONTROL

NORWALK RIVER

PLAN & PROFILE

FLOOD OF AUGUST 1955 - MILE 0 TO 15

NORWALK RIVER, CONN.

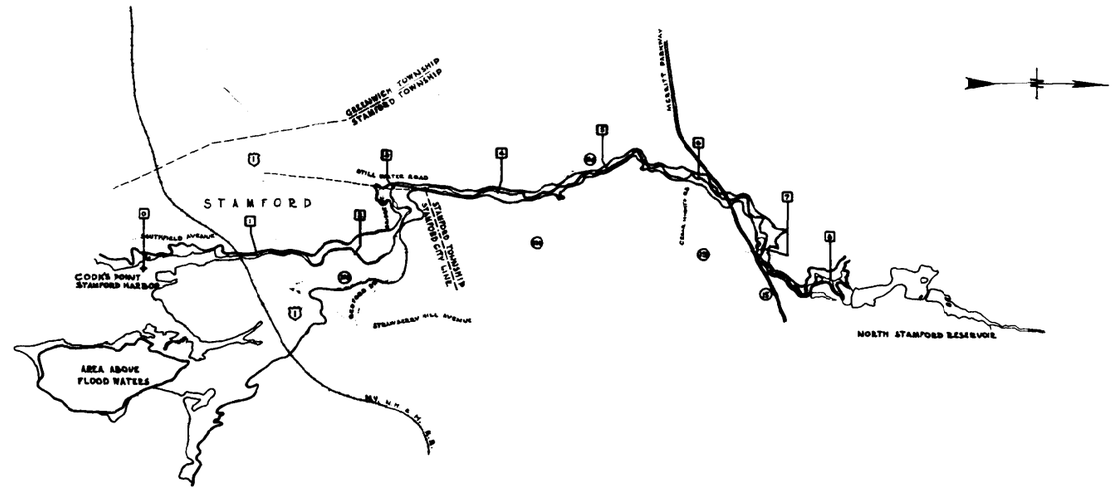
APPROVED | DATE

COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN

DRAWING NUMBER

SHEET 1 OF 1

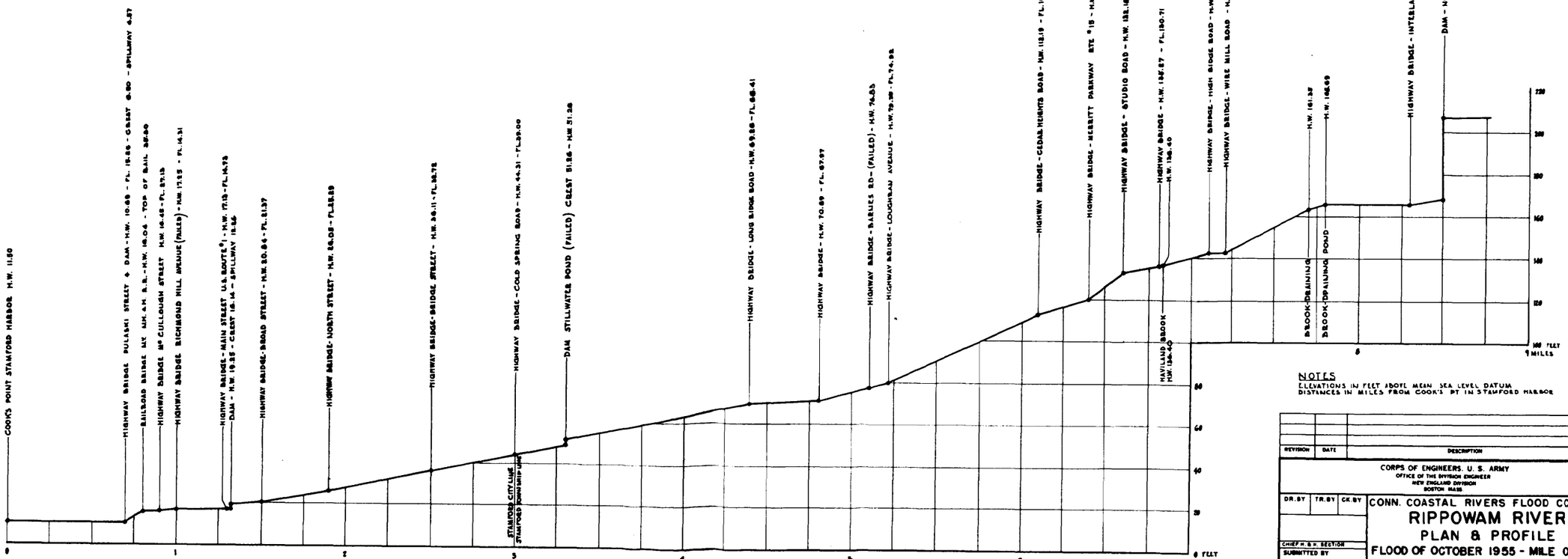


PLAN

SCALE 1:24000

LEGEND

- HIGH WATER MARK OF OCTOBER 16, 1955
- ROADS AND CITY STREETS
- STATE ROUTES
- FEDERAL ROUTES
- CITY AND TOWNSHIP BOUNDARIES
- COUNTY BOUNDARIES
- RAILROADS
- MILEAGE FROM MOUTH OF RIVER
- FLOODED AREA OF OCTOBER 16, 1955
- H.W. HIGH WATER IN FEET
- FL. FLOOR OF STRUCTURE
- FB. FLASHBOARDS



NOTES
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL DATUM
DISTANCES IN MILES FROM COOK'S PT IN STAMFORD HARBOR

REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON, MASS.

DR. BY | TR. BY | CK. BY

CONN. COASTAL RIVERS FLOOD CONTROL

RIPPOWAM RIVER

PLAN & PROFILE

FLOOD OF OCTOBER 1955 - MILE 0 TO 9

RIPPOWAM RIVER, CONN.

CHIEF H. & H. SECTION
SUBMITTED BY
CHIEF PLANN. & RPT'S BRANCH
APPROVED
CHIEF ENGINEERING DIV.

APPROVED DATE
COL. C.E. DIVISION ENGINEER

SCALE: AS SHOWN

DRAWING NUMBER

SHEET 1 OF 1

NEW ENGLAND FLOODS

OF 1955

APPENDIX A

DAM FAILURES

(To Accompany Part 3 - Flood Profiles)

Corps of Engineers, U. S. Army - Office of the Division Engineer

New England Division - Boston, Mass.

May 1956

APPENDIX A

DAM FAILURES

1. Flood of August 1955. - The heavy rains of August 1955 caused many dam failures that contributed in some degree to the disaster experienced. The extent of the failures varied from small washouts around abutments to complete failure of the spillway sections. Since many of the abnormal stages, or discharges cannot be related to rainfall alone, information on dam failures is essential in analyzing flood developments. Table A-1 is a compilation of data obtained by field personnel of this office and state and county representatives. The general locations of these dam fialures are shown on Plate No. A-1. The compilation of dam failures is very likely incomplete as there were numerous failures of small private dams for which no information is readily available.

TABLE A - 1

PERTINENT DATA - DAM FAILURES

MASSACHUSETTS COASTAL BASINS

Index #	Pond or Tributary	Town or City	Owner	Type	Extent of Damage
1	Indian Head River	Pembroke, Mass.	Unknown		Completely destroyed.
2	Triphammer Pond	Hingham, Mass.	Unknown		15% "
3	Herring Run River	Weymouth, Mass.	Stetson Shoe Co.		10% "
4	Elias's Pond	Weymouth, Mass.	Unknown		5% "
5	Neponset River	Boston, Mass.	Tileston Hollingsworth Co.		25% "
6	Pequid Brook	Canton, Mass.	Plymouth Rubber Co.		10% "
7	Neponset River-E. Branch	Canton, Mass.	Town of Canton		25% "
8	Massapoag Brook	Canton, Mass.	Unknown		20% "
9	Massapoag Brook	Canton, Mass.	Mr. Reynolds		10% "
10	Neponset River-E. Branch	Canton, Mass.	Mainco Trading Co.		50% "
11	Plynton Pond	Walpole, Mass.	Unknown		20% "
12	Mother Brook	Dedham, Mass.	United Waste Co.		5% "
13	Mother Brook	Dedham, Mass.	Unknown		5% "
14	Stony Brook	Norfolk, Mass.	Mrs. B. B. Bristol		10% "
15	Louisa Lake	Milford, Mass.	Town of Milford		Completely destroyed.
16	Assabet River	Acton, Mass.	Unknown		25% "
17	Assabet River	Northboro, Mass.	Unknown		Westerly abutment damaged, E. abutment spillway washed out.
18	Sudbury River	Ashland, Mass.	Unknown		25% destroyed.

PROVIDENCE RIVER BASIN

19	Crocker Pond	Wrentham, Mass.	Crocker Estate		20% "
20	Blackstone River	Centrals, R. I.			Earth abutment breached.
21	Blackstone River (Pratts Dam)	Lonsdale, R. I.		Masonry core, earth fill.	
22	Blackstone River (Albion Dam)	Albion, R. I.		Rock masonry, earth abutment.	Earth portion breached.
23	Blackstone River (Old Providence)	Blackstone, Mass.		Concrete abutment, earth and stone.	30' breached.
24	Blackstone River (Calumet Reservoir)	Uxbridge, Mass.		Granite spillway, earth embankment, conrete gate section.	250' section washed out.
25	Blackstone River (Rice City Pond)	Uxbridge, Mass.		Earth.	Breached 200', lowered water level 4' to 5'.
26	Blackstone River	Riverdale, Mass.	Kupfer Bros. Company		W. spillway abutment and embankment washed out.
27	Blackstone River	Rockdale, Mass.	Paul Whitin Mfg. Co.		Upstream corner W. spillway abutment damaged.
28	Blackstone River	Grafton, Mass.	Wuskanut Mills Inc.		Embankment and gates not serious.
29	Blackstone River	Grafton, Mass.	Fisherville Realty Trust Company		E. abutment damaged.
30	Blackstone River (Pleasant Falls)	Sutton, Mass.		Stone.	Abutment washed out.
31	Mill River (Harris Pond)	Woonsocket, R.I.		Earth.	Spillway failed.
32	Mill River	Hopedale, Mass.	A. A. Westcott and Sons Co., Hopedale		Embankment scoured.
33	Mill River	Hopedale, Mass.	Draper Corp., Hopedale		Embankment scoured.
34	West River	Uxbridge, Mass.	Waucantuck Mills Inc.	Granite spillway, embankment, concrete gate section.	Embankment W. of spillway washed out.
35	West River	Philip H. Reilly			Embankment gullied out in places.

TABLE A - 1

PERTINENT DATA - DAM FAILURES

PROVIDENCE RIVER BASIN (Cont.)

Index #	Pond or Tributary	Town or City	Owner	Type	Extent of Damage
36	West River	Upton, Mass.	Town of Upton		Completely destroyed.
37	Quinsigamond River (Lake Ripple)	Grafton, Mass.	Grafton Association Inc.		5% "
38	Newton Pond	Shrewsbury, Mass.	Isadore Katz		Paving in spillway washed out.
39	Ironstone Reservoir	Uxbridge, Mass.		Earth Fill.	Spillway washed out.
40	Scadden Brook	Uxbridge, Mass.	Uxbridge Rod & Gun Club		About 50' embankment breached.
41	Mumford River	Whitinsville, Mass.	Whitin Machine Works		Embankment breached.
42	Mumford River (Reservoir #4)	Sutton, Mass.	Whitinsville	Earth, concrete core wall.	Overtopped, completely failed.
43	Mumford River	West Sutton, Mass.	S. M. Shaw Estate and Charles Phelps	Earth fill heavy on top.	Partial failure.
44	Mumford River	West Sutton, Mass.	Ada Sanborn	Earth fill.	Embankment overtopped.
45	Spring Brook (School House Pond)	West Sutton, Mass.	Mass. Dept. of Public Resources (Fish Hatcheries)		Partial failure.
46	Spring Brook	West Sutton, Mass.	Mass. Dept of Public Resources		Breached at east end of spillway.
47	Spring Brook	West Sutton, Mass.	Charles Miller		Dam breached.
48	Middle River	Worcester, Mass.	M. J. Whittal Association		Spillway structure washed out.
49	Middle River	Worcester, Mass.	S. Hoffman & Sons		Some granite blocks washed out.
50	Kettle Brook (Brick City Mill)	Leicester, Mass.	Leicester Spinning & Knitting Co.		Hole in embankment at E. abutment wall.
51	Kettle Brook (Waite Meadow Pond)	Leicester, Mass.	Leicester Spinning & Knitting Co.		Erosion of embankment.
52	Lynde Brook (Southwick Pond)	Leicester, Mass.	Nathan Southwick		Needs repairs.
53	Tatnuck Brook	Worcester, Mass.	Coes Cuttery Co.		Small damage.
54	Tatnuck Brook (Coes Reservoir)	Worcester, Mass.	Coes Knife Co.		Small damage.
55	Tatnuck Brook (Lower Patch Pond)	Worcester, Mass.			Embankment washed out.
56	Tatnuck Brook	Worcester, Mass.	Mill Park Inc.		Dam left in poor condition.
57	Tatnuck Brook (Cook's Pond)	Worcester, Mass.	Tatnuck Club		Overtopped at E. end.
58	Woonasquatucket River	Near Providence, R. I.		Earth.	Left in bad condition.
59	Woonasquatucket River	Providence, R. I.		Masonry.	Outlet gate missing.

THAMES RIVER BASIN

60	Quinebaug River	Wauregan, Conn.		Earth.	Breached 200' of earth dam removed.
61	Quinebaug River	Danielson, Conn.		Unknown.	Washed out.
62	Quinebaug River	Putnam, Conn.	Putnam Woolen Corp.		Information not available.
63	French River	Mechanicsville, Conn.		Stone masonry, concrete, earth abutment.	80' section earth abutment washed out.
64	Quinebaug River (Fabyan Dam)	Fabyan, Conn.		Stone masonry, concrete.	50' section washed out.
65	Quinebaug River	West Dudley, Mass.	West Dudley Paper Mill	Concrete.	Overtopped, washed out around end.
66	Quinebaug River	Southbridge, Mass.		Low stone spillway.	Embankment and gate section partially destroyed.
67	Quinebaug River	Southbridge, Mass.	American Optical Co.		Embankment washed out.
68	Quinebaug River	Southbridge, Mass.	Russell Harrington Cutlery Co.		Information not available.
69	Quinebaug River (Big Pond Dam)	Southbridge, Mass.	Ames Textile Co.		Embankment, W. spillway abutment washed out.
70	Hamant Brook (Camp Robinson Crusoe)	Sturbridge, Mass.			Breached at gate.

TABLE A - 1

PERTINENT DATA - DAM FAILURES

THAMES RIVER BASIN (Cont.)

Index #	Pond or Tributary	Town or City	Owner	Type	Extent of Damage
71	Hamant Brook	Sturbridge, Mass.			Dam overtopped.
72	Hamant Brook	Sturbridge, Mass.			Dam overtopped.
73	Hobbs Brook (Cedar Pond)	Sturbridge, Mass.		Earth, with wood core wall.	Overtopped, partially washed out around gates.
74	Quinebaug River	Old Sturbridge Village, Mass.			Dike washed out.
75	Quinebaug River	Fiskdale, Mass.	Bellefont Finishing Co.		One spillway and part of embankment washed out.
76	Quinebaug River	Fiskdale, Mass.	Bellefont Finishing Co.		Entire structure breached.
77	Big Alum Pond	Sturbridge, Mass.	American Optical Co.		Overtopped.
78	Hamilton Reservoir	Holland, Mass.		Stone masonry, earth abutment.	Abutment washed out.
79	Maple Lake Dam	Brimfield, Mass.		Earth.	Downstream end partially washed out.
80	Cady Brook	Charlton, Mass.	Charlton Woolen Co.	Concrete spillway with earth and rubble abutments.	Completely destroyed.
81	Cady Brook	Charlton, Mass.	J. Carrington	Earth and rubble embankments, planked spillway.	Completely breached.
82	Cady Brook	Charlton, Mass.	Howard Ash	Earth-mortared walls.	Completely breached.
83	Cady Brook	Charlton, Mass.	Charlton Woolen Co.	Earth with masonry vertical walls, wood spillway.	Embankment out.
84	Cady Brook	Charlton, Mass.	Charlton Woolen Co.	Earth, masonry.	Embankment out. Part of structure out.
85	Cady Brook	Charlton, Mass.		Earth, downstream vertical wall.	Complete failure.
86	Cady Brook (Glen Echo)	Charlton, Mass.		Rubble wall, earth fill.	Complete failure.
87	Cady Brook (Glen Echo)	Charlton, Mass.		Earth, rock.	Failed, overtopped.
88	Ice Pond	Charlton, Mass.	Charlton Woolen Co.	Earth, rubble.	Embankment partly washed out.
89	French River	Grosvenerdale, Conn.		Concrete and stone masonry.	Superstructure failed.
90	French River	North Grosvenerdale, Conn.	Republic Textile	Stone masonry, concrete with earth abutment.	70' earth section washout.
91	French River (Bestvalve Dam)	Willsonville, Conn.		Stone, masonry and concrete.	30' earth abutment.
92	French River	North Webster, Mass.	Associated Industries of Webster		W. half of spillway had stone spillway apron washed out.
93	French River	Dudley, Mass.	Associated Industries of Webster		Stepped stone apron washed off W. half stone spillway.
94	French River (Upper Pond)	North Oxford, Mass.	Oxford Looms Inc.	Rubble, masonry, earth embankment.	Spillway crest partially removed.
95	French River	North Oxford, Mass.	Ponty Wool Waste Co.	Granite and earth.	Embankment breached.
96	French River	North Oxford, Mass.	Esther Krnitzman	Rubble masonry, earth embankment.	Spillway washed out.
97	French River	North Oxford, Mass.	Ponty Wool Waste Co.		Embankment breached.
98	French River	North Oxford, Mass.	North Oxford Garnetting Co.		Completely breached.
99	French River	North Oxford, Mass.	Felix & Joseph Gargolinsky	Dry masonry, earth embankment.	Gate damaged.
100	French River (Texas Pond)	Oxford, Mass.	Stanrich Woolen Co. (M. Marcus)	Earth dam, stone spillway.	20' W. end spillway and abutment washed out.
101	French River	Oxford, Mass.	H. & T. Specialties Co.		W. spillway gouged out.
102	French River	Rochdale, Mass.	M. K. M. Hosiery Co.	Earth, masonry.	Spillway out.
103	Rochdale Pond	Leicester, Mass.	Charlton Woolen Mills Co.	Granite spillway, earth fill.	Stepped stone apron washed out.
104	French River (Hanky Pond)	Leicester, Mass.	Worcester Tool & Stamping Co.		200' E. embankment and W. retaining wall out.
105	Greenville Dam	Rockdale, Mass.			Both sides of spillway washed out.
106	Stiles Reservoir	Leicester, Mass.	Stiles Reservoir Corp.	Earth masonry	Spillway stepped stone apron partly washed out.

TABLE A - 1

PERTINENT DATA - DAM FAILURES

THAMES RIVER BASIN (Cont.)

Index #	Pond or Tributary	Town or City	Owner	Type	Extent of Damage
107	Cedar Meadow Pond	Leicester, Mass.	Textron American of Providence, R. I.		Partially damaged.
108	Burncoat Pond	Leicester, Mass.	Textron American of Providence, R. I.		Dam overtopped.
109	Dutton Pond	Leicester, Mass.	Ashworth, Hemingway & Wright	Earth dam.	30' breach in embankment.
110	Mill Pond	Leicester, Mass.	Ashworth, Hemingway & Wright.		W. abutment wall undermined.
111	Sargent Pond	Leicester, Mass.	Nell S. Moreau		W. spillway abutment washed out.
112	Little River (Buffumville)	Oxford, Mass.	Loural Garnetting Mills Inc.	Rock, concrete overflow.	20' S. end spillway abutment washed out.
113	Little River (Pierpont Pond)	Charlton, Mass.	Loural Garnetting Mills Inc., Ralph W. Warhurst		Dam overtopped.
114	Little River	S. Charlton, Mass.		Earth, concrete spillway.	Spillway slope toe, wall bulging.
115	South Charlton Reservoir	S. Charlton, Mass.	Textron American of Providence, R. I.	Earth, masonry rubble.	Embankment near gate, two bottom stone steps to spillway gone.
116	Putnam Pond	Charlton, Mass.	Camp Joslin		Partly washed out.
117	Pikes Pond	Charlton, Mass.		Earth, masonry.	Complete failure.
118	Little River (Wee Laddie Farm)	Charlton, Mass.	C. & W. Beck, & Alfreda Sheard		Overtopped.
119	Shetucket River	Sprague, Conn.		Timber, crib, earth.	60' dam, 100' embankment failed.
120	Willimantic River	Eagleville, Conn.		Earth, concrete.	Abutment washed out.

CONNECTICUT RIVER BASIN

121	Jaw Buck Brook (Shaker Pond)	Thompsonville, Conn.		Earth.	Top portion washed out.
122	Mill River (Watershops Pond)	Springfield, Mass.	Watershop Armory	Masonry.	Upper two masonry courses shifted back.
123	Chicopee River (Bemis Pond)	Chicopee, Mass.		Earth.	Downstream embankment beginning to slough.
124	Chicopee River (Collins Dam)	Lodlow, Mass.		Masonry.	Washed out at one end.
125	Twelve Mile Brook (Pulpit Rock Pond)	Monson, Mass.	S. H. Green Dam	Earth.	Washed out.
126	Chicopee River (Alden Dam)	Ludlow, Mass.		Stone masonry backed with earth.	Washed out.
127	Chicopee River	Wilbraham, Mass.	Collins Paper Co.	Stone masonry, earth.	Washed out.
128	Chicopee River	Monson, Mass.	Church Mfg. Co.	Masonry, earth.	Ends washed out.
129	Chicopee Brook	Monson, Mass.	Ellis Arch Dam	Granite stone, earth.	One end and retaining walls gone.
130	Chicopee Brook	Monson, Mass.	Ellis Mills Dam	Granite stone, earth.	Top part washed away.
131	Calkins Brook	Monson, Mass.	Unknown		25% destroyed.
132	Vinica Brook (Norcross Pond)	Wales, Mass.	A. D. Norcross	Earth faced with stone.	Breached through center.
133	Chicopee Brook (Woodman Pond)	Brimfield, Mass.		Earth.	Partially washed out.
134	Quaboug River	Palmer, Mass.	Central Mass. Elec. Co.	Wooden crib.	Top 9' of dam washed out.
135	Quaboug River	W. Warren, Mass.	W. Warren Industries		Embankment breached.
136	Quaboug River	W. Warren, Mass.	Daniel A & Mary A Beaudry		Dike of dam breached.
137	Quaboug River (Comins Pond)	Warren, Mass.	Unknown	Earth, rubble, concrete.	Washed out.
138	Quaboug River (Talbot)	Warren, Mass.		Earth, concrete spillway.	20' wide breached.
139	Pierce Brook	W. Brookfield, Mass.	Unknown		Washed out.
140	Pierce Brook	W. Brookfield, Mass.			Breached 50' spillway.

TABLE A - 1

PERTINENT DATA - DAM FAILURES

CONNECTICUT RIVER BASIN (Cont.)

Index #	Pond or Tributary	Town or City	Owner	Type	Extent of Damage
141	Rice Reservoir	Brookfield, Mass.	Mrs. Edward Krock		Embankment partly breached. Information not available.
142	Rice Pond	Brookfield, Mass.	Town of Brookfield		
143	Seven Mile River	East Brookfield, Mass.	Arthur E. Gauthier		Embankment washed, complete failure.
144	Seven Mile River (Sugen Reservoir)	Spencer, Mass.	Town of Spencer, and Mr. Lyons	Earth, rubble, core wall.	Overtopped, complete failure.
145	Seven Mile River (Thompsons Pond)				Minor damage.
146	Seven Mile River (Turkey Hill Brook)	Spencer, Mass.	Myer Lyon		Embankment breached.
147	Turkey Hill Brook	Spencer, Mass.			Dam breached.
148	Turkey Hill Brook	Spencer, Mass.	Francis Dufault		Dam breached.
149	Turkey Hill Brook	Spencer, Mass.	Town of Spencer		Dam breached, 125' washed away.
150	Ware River	Hardwick, Mass.	Doeskin Products Inc.		Gates damaged.
151	Winimusset Brook	New Braintree, Mass.	Norman Walker		Spillway washed out.
152	Ware River (Long Pond)	Rutland, Mass.	Metropolitan District Commission, Boston		200' embankment washed out.
153	Peppers Mill Pond	Ware, Mass.	Ware Sportsmans Club	Earth.	Breached.
154	Bachelor Brook (Pearl City Pond)	South Hadley, Mass.		Stone, concrete ends.	Upper 5' washed out.
155	Harts Brook Reservoir (Lower)	Hadley, Mass.	Hadley Water Commission	Earth.	Breached.
156	Harts Brook Reservoir (Upper)	Hadley, Mass.		Earth.	Breached.
157	Farmington River (Tariffville Dam)	Tariffville, Conn.		Masonry.	Section of masonry in center failed, and washed downstream.
158	Farmington River (Unionville Dam)	Unionville, Conn.	Connecticut Power Co.	Wood, stone.	Cut around both ends, wood section failed.
159	Farmington River (Whigville Dam)	Burlington, Conn.		Earth, stone masonry spillway.	Spillway retaining wall undermined.
160	Reservoir #3	Bristol, Conn.		Masonry, earth.	Spillway and portion of dam washed out, 80 cu. yds. eroded at E. end.
161	Still River (Clock Works Dam)	Winsted, Conn.		Wood, masonry.	Completely destroyed.
162	Farmington River (Tork Lake)	New Marlborough, Mass.	Commonwealth of Massachusetts		" "
163	Pond Brook (Trout Pond)	Tolland, Mass.	Tumxis Club	Stone, earth, timber.	Washed out.
164	Farmington River (Twining Pond Outlet)	Tolland, Mass.	Unknown		10% destroyed.
165	Farmington River (Twining Pond)	Tolland, Mass.	Mr. & Mrs. E. F. Cavillier		Completely destroyed.
166	West River (Ward's Pond)	Tolland, Mass.	Unknown		5% "
167	West River (Otis Reservoir)	Otis, Mass.	Commonwealth of Massachusetts	Earth.	10% erosion over the top.
168	West River (Thomas Pond)	Becket, Mass.	Unknown		50% destroyed.
169	Stony Brook (Swartz Dam)	Suffield, Conn.		Granite block with concrete wing walls.	E. wing wall with gate washed out.
170	Stony Brook (Cains Dam)	Suffield, Conn.		Granite block.	Washed out.
171	Three Mile Brook (Mill Pond)	Agawam, Mass.	Agawam Woolen Co.	Earth.	Washed out.
172	Little River	Westfield, Mass.	Stevens Paper Co.		Washed out at one end.
173	Munn Brook (Granville Dam)	Westfield, Mass.		Earth, concrete spillway.	Spillway sections at three locations.

TABLE A - 1

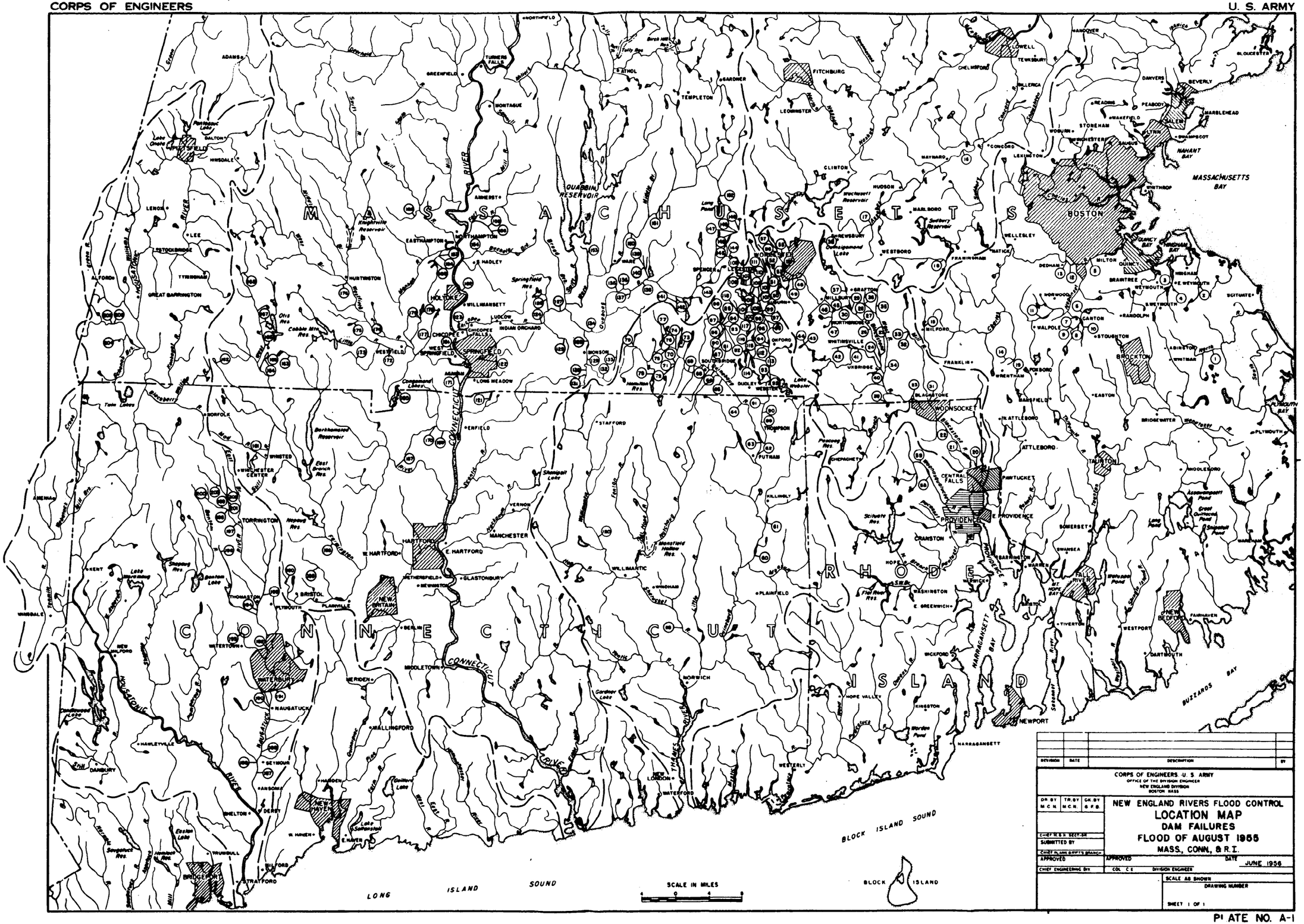
PERTINENT DATA - DAM FAILURES

CONNECTICUT RIVER BASIN (Cont.)

Index #	Pond or Tributary	Town or City	Owner	Type	Extent of Damage
174	Westfield River (Sportsmen's Dam)	Westfield, Mass.		Earth, with concrete core.	Washed out through center.
175	Westfield River (Russell Pond)	Russell, Mass.		Earth.	Top three foot portion washed away.
176	Cold Brook (Huntington Dam)	Huntington, Mass.		Masonry, Earth.	Frontface washed away.
177	Paucatuck Brook (Bearhole Reservoir)	West Springfield, Mass.		Earth.	Washed out.
178	Paucatuck Brook (Bray Pond Dam)	Holyoke, Mass.		Earth.	Partially washed out.
179	Pond Brook (Chapin Pond)	Westfield, Mass.	City of Westfield	Earth.	Washed out.
180	Great Brook (North Pond Dike)	Southwick, Mass.		Earth dike.	Washed out.
181	Piper Reservoir Brook (Piper Reservoir)	West Springfield, Mass.		Earth.	Washed out.
182	Connecticut River (Whiting St. Reservoir)	Holyoke, Mass.		Masonry, earth.	Earth fill on downstream end washed out.
183	Manhan River (Lower Mill Pond)	Easthampton, Mass.		Earth.	Top portion washed out.
184	Manhan River (Mill St. Dam)	Easthampton, Mass.	Water Department	Concrete.	Washed out around end.
185	Manhan River (Nashawanuck Dam)	Easthampton, Mass.		Earth.	Washed out.
186	Meadow Brook (Roberts Meadow Reservoir)	Northampton, Mass.		Earth.	Breached on one end.

HOUSATONIC RIVER BASIN

187	Naugatuck River	Ansonia, Conn.	American Brass Co.	Concrete, earth.	Abutment washed out.
188	Naugatuck River	Seymour, Conn.	New Haven Copper Co.	Masonry.	End washed out.
189	Naugatuck River	Seymour, Conn.	Rimmon Water Co.	Earth fill.	Breached.
190	Naugatuck River	Naugatuck, Conn.	Naugatuck Chemical Co.	Timber.	Breached.
191	Naugatuck River	Platt Mills, Conn.	Platt Bros. & Co.	Rock-filled timber dam.	3' of timber removed from top.
192	Naugatuck River	Waterbury, Conn.	American Brass Co.	Rock-filled timber dam.	Abutment washed out.
193	Steel Brook	Watertown, Conn.	Watertown Water Supply	Earth with masonry core.	800 cu. yds. of fill washed out.
194	Naugatuck River (Reynolds Bridge)	Thomaston, Conn.	Otis Bakelite Co.	Rock-filled planked dam.	Wooden portion breached.
195	Naugatuck River	Thomaston, Conn.	Plume & Atwood Mfg. Co.	Rock-filled planked dam.	Breached.
196	Wigwam Brook (East Hill Dam)	Litchfield, Conn.		Masonry.	Dam washed out.
197	W. Branch Naugatuck River (Church St. Reservoir)	Torrington, Conn.		Concrete spillway, earth embankment.	Easterly embankment completely destroyed.
198	Nickel Mine Brook (Crystal Lake)	N. of Torrington, Conn.	Torrington Water Company	Masonry.	Has been eroded.
199	Nickel Mine Brook (Allen Dam)	N. of Torrington, Conn.	Torrington Water Company	Concrete.	Earth fill eroded.
200	Nickel Mine Brook (Hatchaloosa Reservoir)	N. of Torrington, Conn.	Torrington Water Company	Earth, masonry core.	Washed out.
201	W. Branch Naugatuck River (Stillwater Reservoir)	N. of Torrington, Conn.	Torrington Water Company	Concrete spillway, earth fill, concrete core.	Washed out below dam.
202	W. Branch Naugatuck River (Marshall Lake)	N. of Torrington, Conn.	Torrington Water Company	Earth.	Breached.
203	Hart Brook (Reuben Hart Reservoir)	N. of Torrington, Conn.	Torrington Water Company	Earth, Concrete core.	Abutment fill eroded.
204	Karner Brook (Marsh Pond)	Egremont, Mass.	Mr. Marshall		15% destroyed.
205	Karner Brook	Egremont, Mass.	Unknown		10% "
206	Karner Brook	Egremont, Mass.	Mr. Addes		10% "



REVISION	DATE	DESCRIPTION	BY

CORPS OF ENGINEERS U. S. ARMY
OFFICE OF THE DIVISION ENGINEER
NEW ENGLAND DIVISION
BOSTON MASS.

DR. BY M.C.N. | TR. BY M.C.N. | CK. BY G.F.B.

C-of N.E.D. SECY-DR

SUBMITTED BY

CHIEF PLANS & RPT'S BRANCH

APPROVED

CHIEF ENGINEERING DIV.

NEW ENGLAND RIVERS FLOOD CONTROL
LOCATION MAP
DAM FAILURES
FLOOD OF AUGUST 1955
MASS., CONN, & R.I.

APPROVED DATE JUNE 1956

COL. C.E. DIVISION ENGINEER

SCALE AS SHOWN

DRAWING NUMBER

SHEET 1 OF 1