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FLOOD CONTROL

CONNECTICUT RIVER VALLEY

REPORT OF SURVEY
AND
COMPREHENSIVE PLAN

APPENDIX, VOLUME 3

SECTION 7 - MAPS, PLANS AND PROFILES

UNITED STATES ENGINEER OFFICE
PROVIDENCE, RHODE ISLAND

5 TO ACCOMPANY REPORT
DATED MARCH 20, 1937

LIBRARY

FLOOD CONTROL

CONNECTICUT RIVER VALLEY

REPORT OF SURVEY

AND

COMPREHENSIVE PLAN

UNITED STATES ENGINEER OFFICE
PROVIDENCE, RHODE ISLAND

APPENDIX, VOLUME 3

SECTION 7 - MAPS, PLANS AND PROFILES

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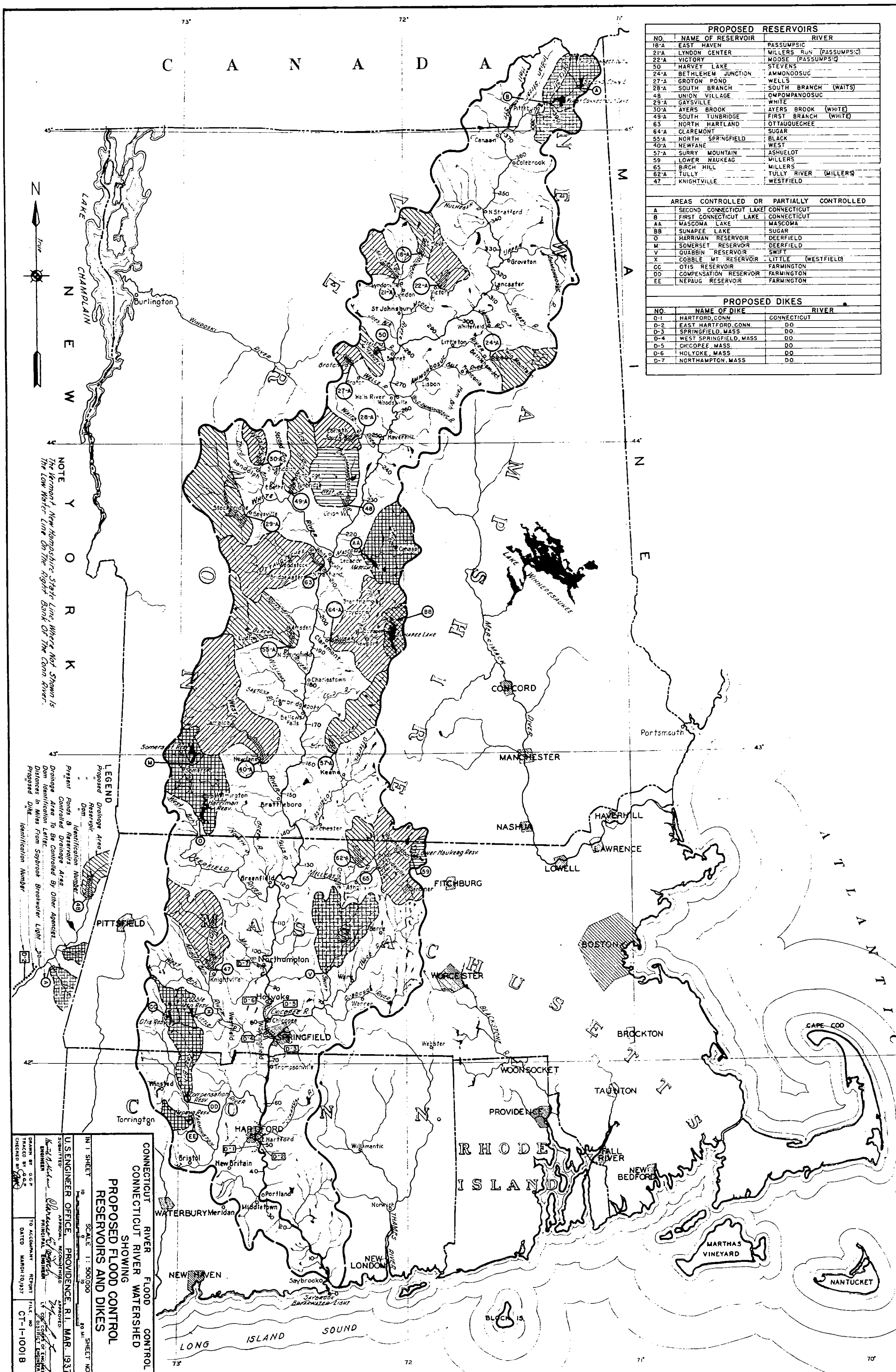
SECTION 4

PLATE REFERENCE

MAPS AND PLANS

RESERVOIRS - DETAILS

WAR DEPARTMENT — CORPS OF ENGINEERS — U.S. ARMY



PROPOSED RESERVOIRS		
NO.	NAME OF RESERVOIR	RIVER
18-A	EAST HAVEN	PASSUMPSIC
21-A	LYNDON CENTER	MILLERS RUN (PASSUMPSIC)
22-A	VICTORY	MOOSE (PASSUMPSIC)
50	HARVEY LAKE	STEVENS
24-A	BETHLEHEM JUNCTION	AMMONOOSUC
27-A	GROTON POND	WELLS
28-A	SOUTH BRANCH	SOUTH BRANCH (WAITS)
48	UNION VILLAGE	OMPOMPANOOSUC
29-A	GAYSVILLE	WHITE
30-A	AYERS BROOK	AYERS BROOK (WHITE)
49-A	SOUTH TUNBRIDGE	FIRST BRANCH (WHITE)
63	NORTH HARTLAND	OTTAUQUECHEE
64-A	CLAREMONT	SUGAR
55-A	NORTH SPRINGFIELD	BLACK
40-A	NEWFANE	WEST
57-A	SURRY MOUNTAIN	ASHUELOT
59	LOWER NAUKEAG	MILLERS
65	BIRCH HILL	MILLERS
62-A	TULLY	TULLY RIVER (MILLERS)
47	KNIGHTVILLE	WESTFIELD

AREAS CONTROLLED OR PARTIALLY CONTROLLED		
A	SECOND CONNECTICUT LAKE	CONNECTICUT
B	FIRST CONNECTICUT LAKE	CONNECTICUT
AA	MASCOMA LAKE	MASCOMA
BB	SUNAPEE LAKE	SUGAR
O	HARRIMAN RESERVOIR	DEERFIELD
M	SOMERSET RESERVOIR	DEERFIELD
V	QUABBIN RESERVOIR	SWIFT
X	COBBLE MT RESERVOIR	LITTLE (WESTFIELD)
CC	OTIS RESERVOIR	FARMINGTON
DD	COMPENSATION RESERVOIR	FARMINGTON
EE	NEPAUG RESERVOIR	FARMINGTON

PROPOSED DIKES		
NO.	NAME OF DIKE	RIVER
D-1	HARTFORD, CONN	CONNECTICUT
D-2	EAST HARTFORD, CONN.	DO
D-3	SPRINGFIELD, MASS.	DO.
D-4	WEST SPRINGFIELD, MASS	DO.
D-5	CHICOPEE, MASS.	DO.
D-6	HOLYOKE, MASS	DO
D-7	NORTHAMPTON, MASS	DO.

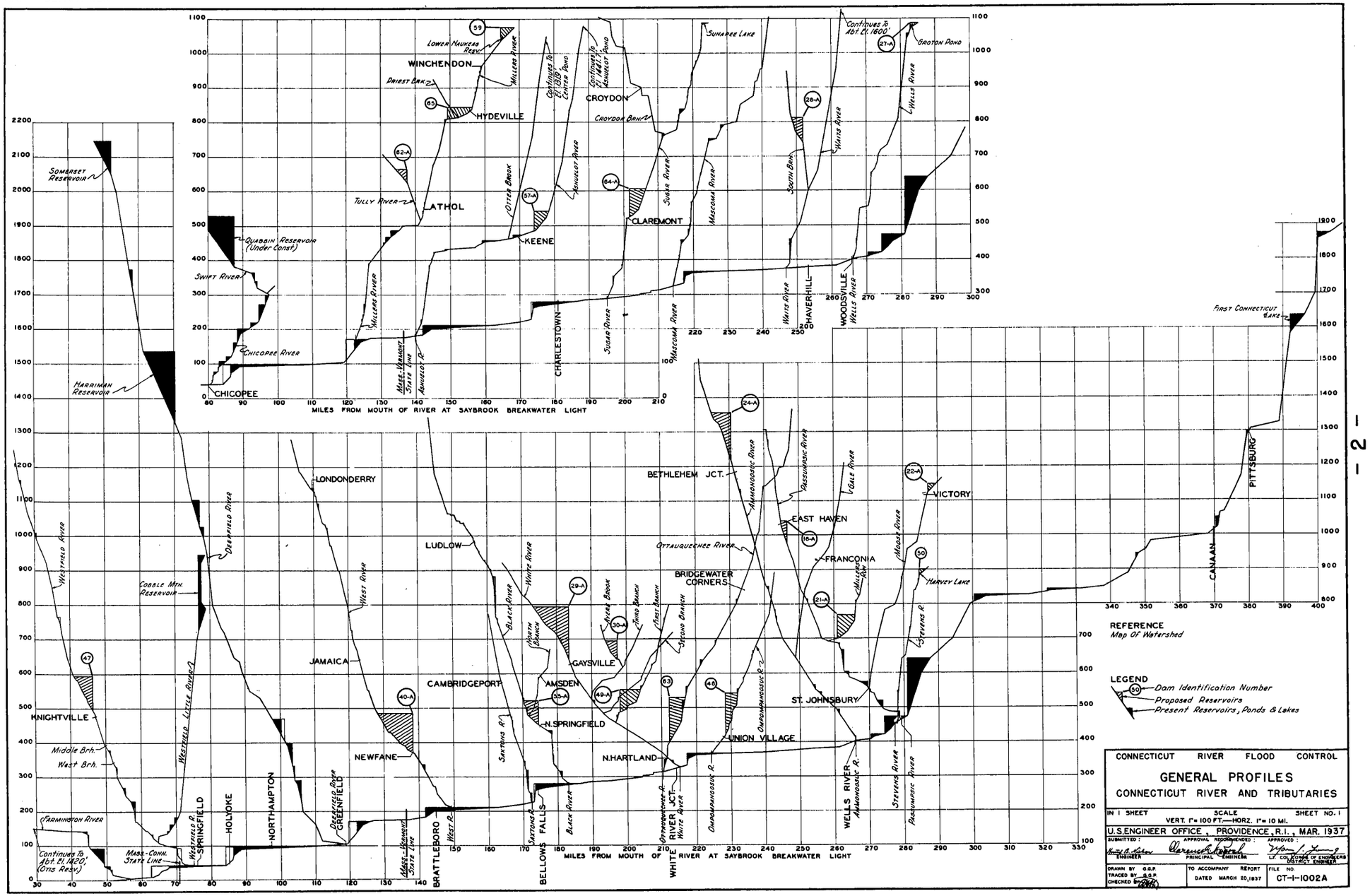
CONNECTICUT RIVER FLOOD CONTROL
CONNECTICUT RIVER WATERSHED
SHOWING
PROPOSED FLOOD CONTROL
RESERVOIRS AND DIKES

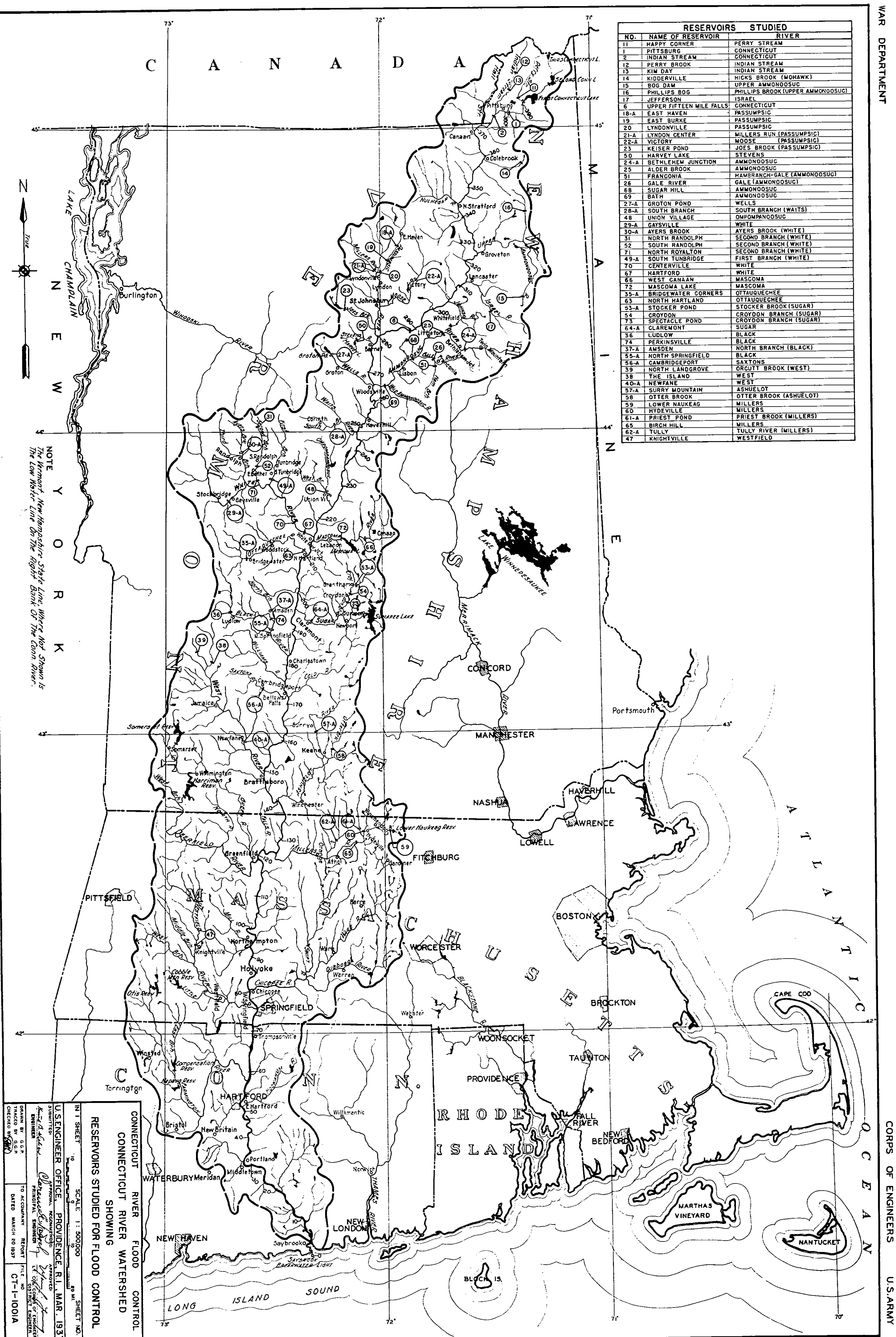
IN 1 SHEET — SCALE 1:500000 — SHEET NO. 1

U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937

TO ACCOMPANY REPORT DATED MARCH 20, 1937

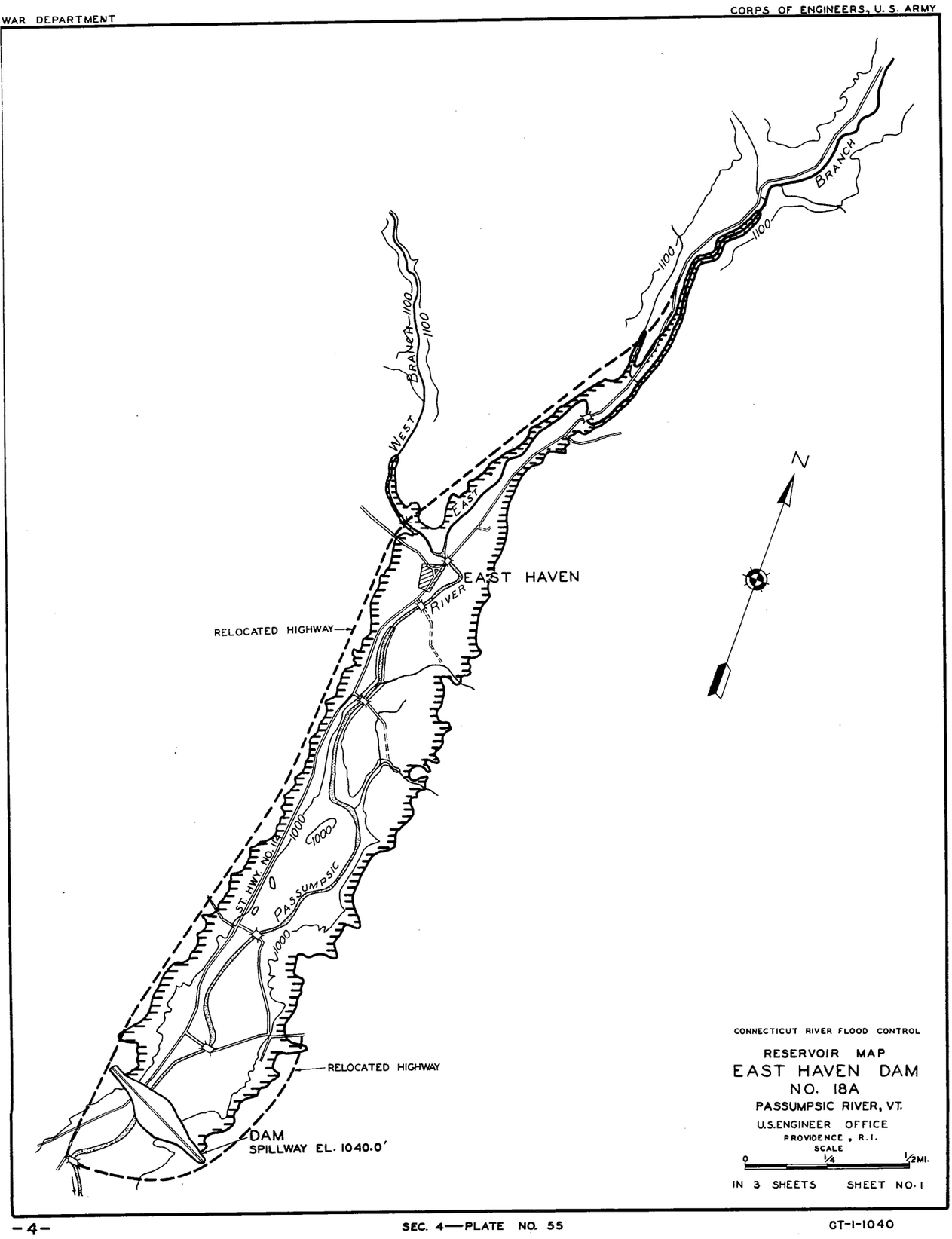
CT-1-1001B


MILES FROM MOUTH OF RIVER AT SAYBROOK BREAKWATER LIGHT
CHICOPEE
CHICOPEE RIVER
SWIFT RIVER
QUABBIN RESERVOIR (Under Const.)
ATHOL
TULLY RIVER
HYDEVILLE
WINCHENDON
DRIEST BRK.
LOWER MAUKEAG RESV.
MILLERS RIVER
KEENE
OTTER BROOK
AMONOSUC RIVER
CHARLESTOWN
CLAREMONT
SUGAR RIVER
MASCOMA RIVER
CROYDON
CROYDON BRK.
SUNAPEE LAKE
HAVERHILL
WAITS RIVER
SOUTH BRK.
WOODSVILLE
WELLS RIVER
GROTON POND
FIRST CONNECTICUT LAKE
PITTSBURG
CANAAN
HARVEY LAKE
VICTORY
EAST HAVEN
FRANCONIA
MOOSE RIVER
MILLERS RIV.
VALE RIVER
PASSUMPSIC RIVER
AMMONOOSUC RIVER
BETHLEHEM JCT.
OTTAUQUECHEE RIVER
BRIDGEWATER CORNERS
ST. JOHNSBURY
STEVENS R.
WELLS RIVER
UNION VILLAGE
OMPOMPANOOSUC R.
N. HARTLAND
WHITE RIVER JCT.
WHITE RIVER
OTTAUQUEMECHEE R.
SECOND BRANCH
THIRD BRANCH
FIRST BRANCH
ROCKY BROOK
GAYSVILLE
AMSDEN
N. SPRINGFIELD
BELLOWS FALLS
SAXTONS R.
BLACK RIVER
NORTH BRANCH
WHITE RIVER
CAMBRIDGEPORT
LUDLOW
JAMAICA
LONDONDERRY
NEWFANE
BRATTLEBORO
WEST R.
MASS.-VERMONT STATE LINE
AMONOSUC R.
GREENFIELD
DEERFIELD RIVER
NORTHAMPTON
HOLYOKE
SPRINGFIELD
WESTFIELD R.
WESTFIELD LITTLE RIVER
MASS.-CONN. STATE LINE
FARMINGTON RIVER
Continues To Abt. El. 1420' (Otis Resv.)
KNIGHTVILLE
Middle Brh.
West Brh.
WEST RIVER
WESTFIELD RIVER
COBBLE MTN. RESERVOIR
MARRIMAN RESERVOIR
SOMERSET RESERVOIR
Continues To Abt. El. 1600'
Continues To El. 1318' Center Pond
Continues To Abt. El. 1300' Kenrick Pond
Continues To Abt. El. 1320'
REFERENCE
Map Of Watershed
LEGEND
Dam Identification Number
Proposed Reservoirs
Present Reservoirs, Ponds & Lakes
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PROFILES
CONNECTICUT RIVER AND TRIBUTARIES
IN 1 SHEET
SCALE VERT. 1" = 100 FT.—HORZ. 1" = 10 MI.
SHEET NO. 1
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED: ENGINEER
APPROVAL RECOMMENDED: PRINCIPAL ENGINEER
APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY G.G.P.
TRACED BY G.G.P.
CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-1-1002A



RESERVOIRS STUDIED

NO.	NAME OF RESERVOIR	RIVER
11	HAPPY CORNER	PERRY STREAM
1	PITTSBURG	CONNECTICUT
2	INDIAN STREAM	CONNECTICUT
12	PERRY BROOK	INDIAN STREAM
13	KIM DAY	INDIAN STREAM
14	KIDDERVILLE	HICKS BROOK (MOHAWK)
15	BOG DAM	UPPER AMMONOOSUC
16	PHILLIPS BOG	PHILLIPS BROOK (UPPER AMMONOOSUC)
17	JEFFERSON	ISRAEL
6	UPPER FIFTEEN MILE FALLS	CONNECTICUT
18-A	EAST HAVEN	PASSUMPSIC
19	EAST BURKE	PASSUMPSIC
20	LYNDONVILLE	PASSUMPSIC
21-A	LYNDON CENTER	MILLERS RUN (PASSUMPSIC)
22-A	VICTORY	MOOSE (PASSUMPSIC)
23	KEISER POND	JOES BROOK (PASSUMPSIC)
50	HARVEY LAKE	STEVENS
24-A	BETHLEHEM JUNCTION	AMMONOOSUC
25	ALDER BROOK	AMMONOOSUC
51	FRANCONIA	HAMBRANCH-GALE (AMMONOOSUC)
26	GALE RIVER	GALE (AMMONOOSUC)
68	SUGAR HILL	AMMONOOSUC
69	BATH	AMMONOOSUC
27-A	GROTON POND	WELLS
28-A	SOUTH BRANCH	SOUTH BRANCH (WAITS)
48	UNION VILLAGE	OMPOMPANOOSUC
29-A	GAYSVILLE	WHITE
30-A	AYERS BROOK	AYERS BROOK (WHITE)
31	NORTH RANDOLPH	SECOND BRANCH (WHITE)
52	SOUTH RANDOLPH	SECOND BRANCH (WHITE)
71	NORTH ROYALTON	SECOND BRANCH (WHITE)
49-A	SOUTH TUNBRIDGE	FIRST BRANCH (WHITE)
70	CENTERVILLE	WHITE
67	HARTFORD	WHITE
66	WEST CANAAN	MASCOMA
72	MASCOMA LAKE	MASCOMA
35-A	BRIDGEWATER CORNERS	OTTAUQUECHEE
63	NORTH HARTLAND	OTTAUQUECHEE
53-A	STOCKER POND	STOCKER BROOK (SUGAR)
54	CROYDON	CROYDON BRANCH (SUGAR)
73	SPECTACLE POND	CROYDON BRANCH (SUGAR)
64-A	CLAREMONT	SUGAR
36	LUDLOW	BLACK
74	PERKINSVILLE	BLACK
37-A	AMSDEN	NORTH BRANCH (BLACK)
55-A	NORTH SPRINGFIELD	BLACK
56-A	CAMBRIDGEPORT	SAXTONS
39	NORTH LANDGROVE	ORCUTT BROOK (WEST)
38	THE ISLAND	WEST
40-A	NEWFANE	WEST
57-A	SURRY MOUNTAIN	ASHUELOT
58	OTTER BROOK	OTTER BROOK (ASHUELOT)
59	LOWER NAUKEAG	MILLERS
60	HYDEVILLE	MILLERS
61-A	PRIEST POND	PRIEST BROOK (MILLERS)
65	BIRCH HILL	MILLERS
62-A	TULLY	TULLY RIVER (MILLERS)
47	KNIGHTVILLE	WESTFIELD



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

EAST HAVEN DAM

NO. 18A

PASSUMPSIC RIVER, VT.

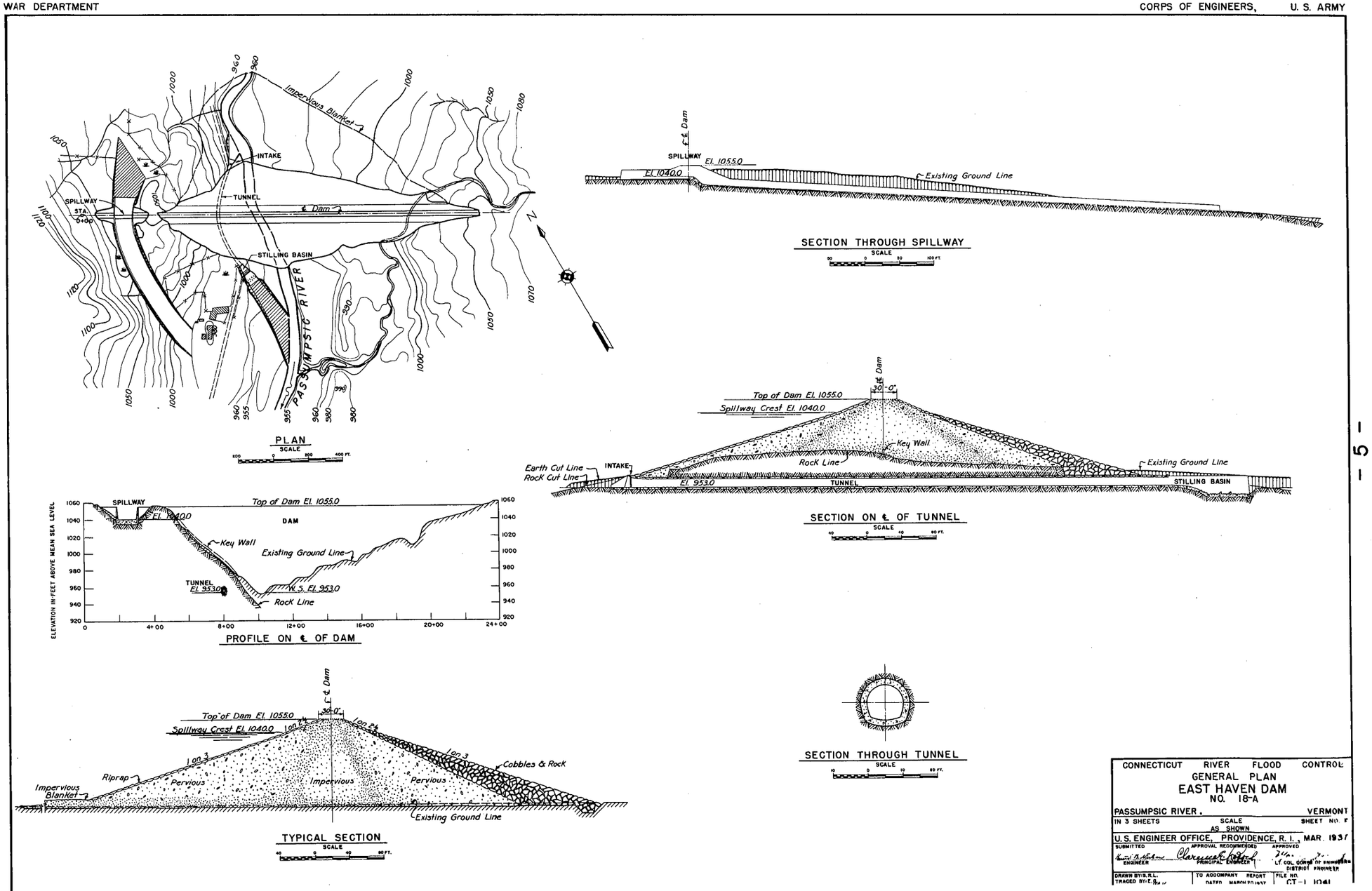
U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

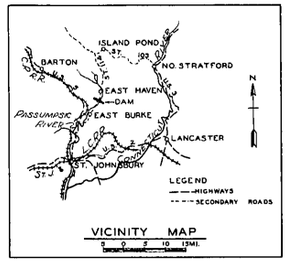
0 1/4 1/2 MI.

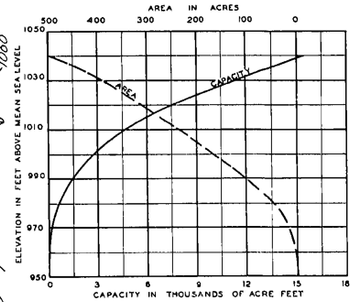
IN 3 SHEETS SHEET NO. 1


PLAN
SCALE
Impervious Blanket
INTAKE
TUNNEL
SPILLWAY
STA. 0+00
℄ Dam
STILLING BASIN
PASSUMPSIC RIVER
SECTION THROUGH SPILLWAY
SCALE
SPILLWAY
El. 1055.0
El. 1040.0
Existing Ground Line
SECTION ON ℄ OF TUNNEL
SCALE
Top of Dam El. 1055.0
Spillway Crest El. 1040.0
Key Wall
Rock Line
Earth Cut Line
Rock Cut Line
INTAKE
El. 953.0
TUNNEL
STILLING BASIN
Existing Ground Line
PROFILE ON ℄ OF DAM
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
SPILLWAY
Top of Dam El. 1055.0
El. 1040.0
DAM
Key Wall
Existing Ground Line
TUNNEL
El. 953.0
W.S. El. 953.0
Rock Line
SECTION THROUGH TUNNEL
SCALE
TYPICAL SECTION
SCALE
Top of Dam El. 1055.0
Spillway Crest El. 1040.0
Riprap
Impervious Blanket
Pervious
Impervious
Pervious
Cobbles & Rock
Existing Ground Line
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
EAST HAVEN DAM
NO. 18-A
PASSUMPSIC RIVER, VERMONT
IN 3 SHEETS
SCALE AS SHOWN
SHEET NO. F
U. S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937
SUBMITTED
APPROVAL RECOMMENDED
APPROVED
ENGINEER
PRINCIPAL ENGINEER
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY: S.R.L.
TRACED BY: E.
TO ACCOMPANY REPORT DATED MARCH 20 1937
FILE NO. CT-1 1041

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY





AREA AND CAPACITY CURVES

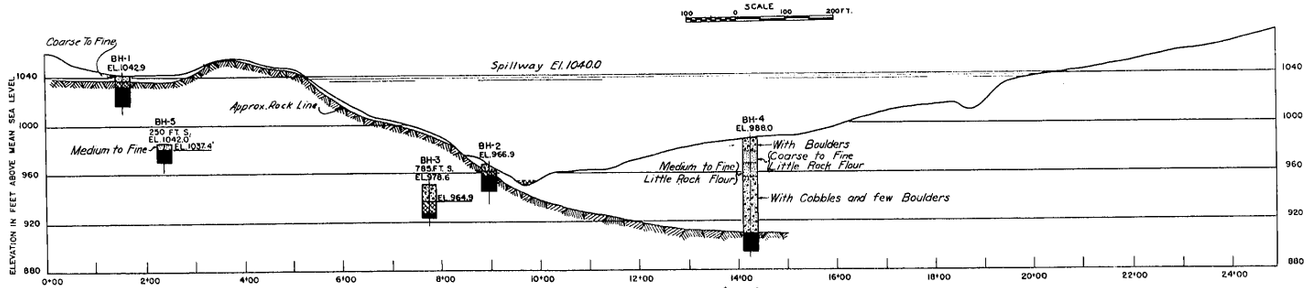
PLAN

SCALE 100 0 100 200 FT.

NOTE:
HYDRAULIC BORROW MATERIAL AVAILABLE ABOVE THE LEFT ABUTMENT OF THE DAM WITHIN 0.25 MILES.

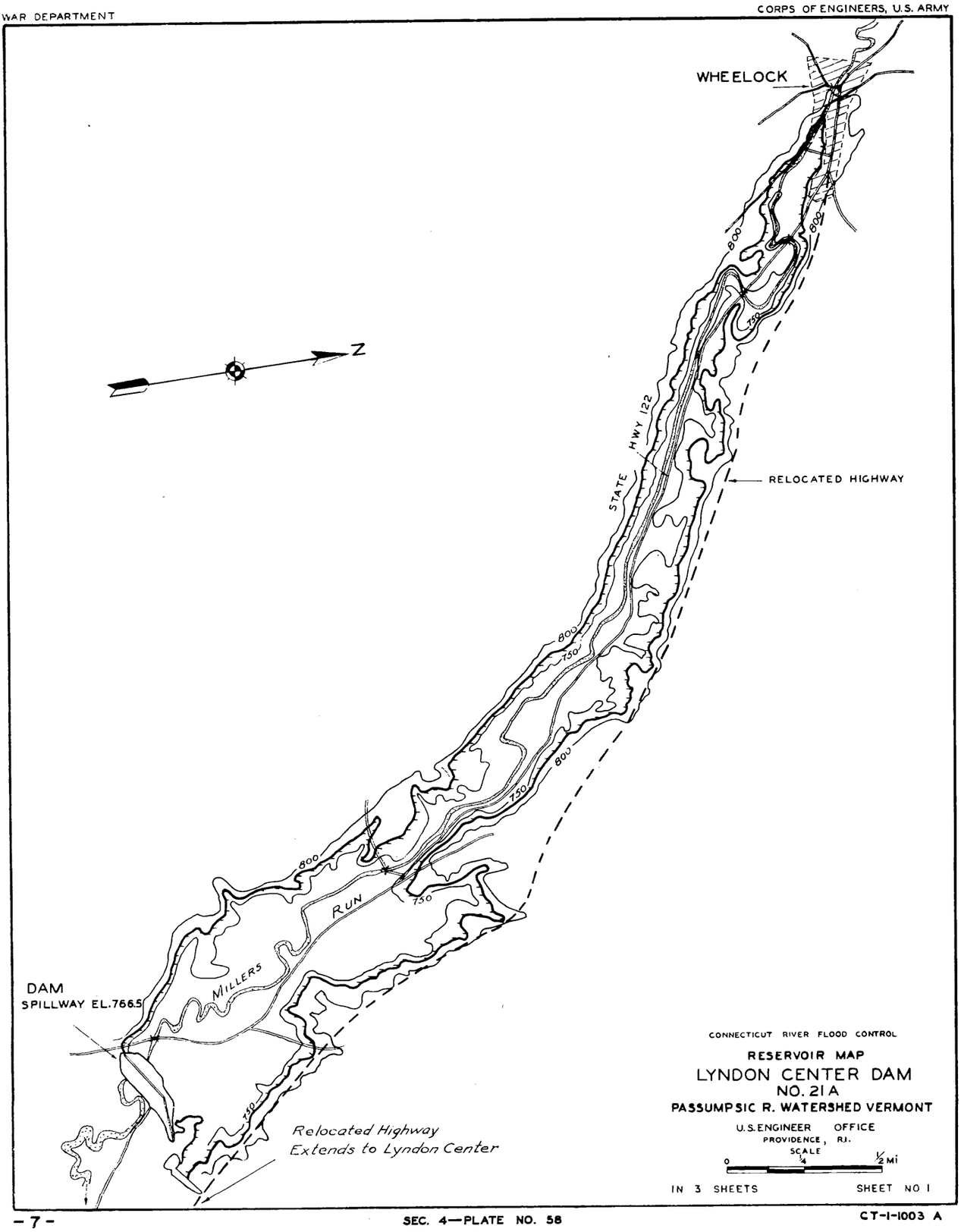
LEGEND

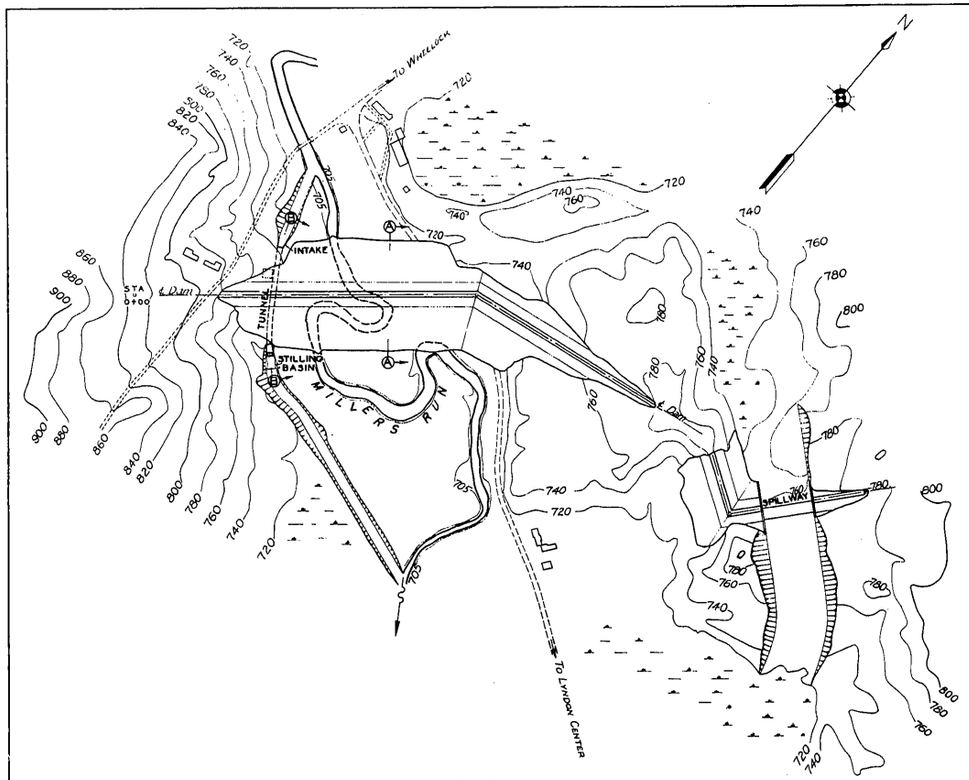
SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
ROCK OUT CROP
BH = CORE BORING



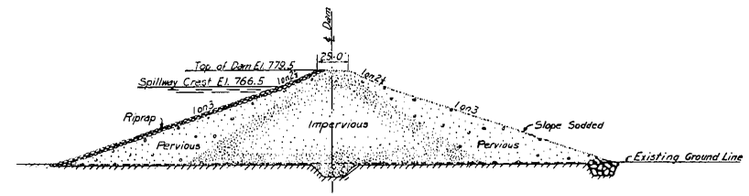
PROFILE ON LINE "A-A"

CONNECTICUT RIVER FLOOD CONTROL
GEOLOGY
EAST HAVEN DAM
NO. 18-A
PASSUMPSIC RIVER, VERMONT
IN 3 SHEETS SCALE AS SHOWN SHEET NO. 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED: GEOLOGIST
APPROVAL RECOMMENDED: PRINCIPAL ENGINEER
APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY: J.E.P. TRACED BY: P.J.B.
TO ACCOMPANY REPORT DATED
FILE NO.

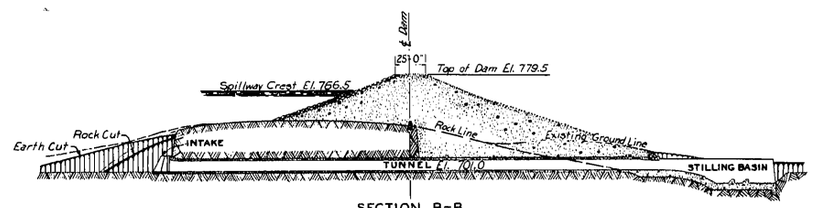

WHEELOCK
N
800
750
STATE HWY 122
RELOCATED HIGHWAY
MILLERS RUN
DAM
SPILLWAY EL.766.5
Relocated Highway
Extends to Lyndon Center
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
LYNDON CENTER DAM
NO. 21 A
PASSUMPSIC R. WATERSHED VERMONT
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 1/4 1/2 MI
IN 3 SHEETS
SHEET NO 1



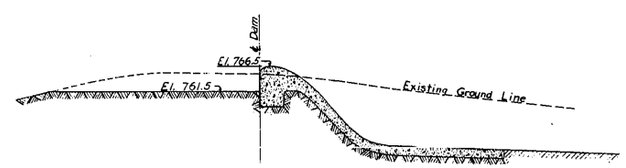
PLAN
SCALE
200 0 200 400 FT.



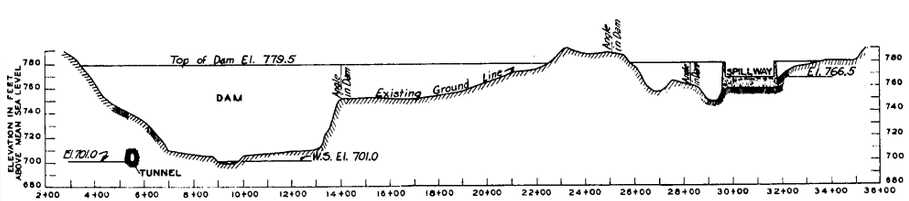
SECTION A-A
SCALE
40 0 40 80 FT.



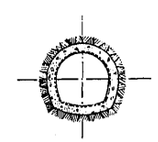
SECTION B-B
SCALE
40 0 40 80 FT.



SECTION THROUGH SPILLWAY
SCALE
10 0 10 20 FT.



PROFILE ON ℄ DAM



SECTION THROUGH TUNNEL
SCALE
10 0 10 20 FT.

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

LYNDON CENTER DAM

NO. 21-A

PASSUMPSIC RIVER WATERSHED, VERMONT

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

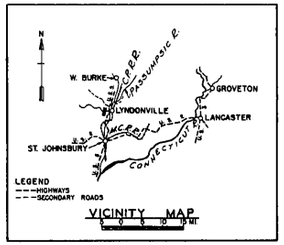
U. S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

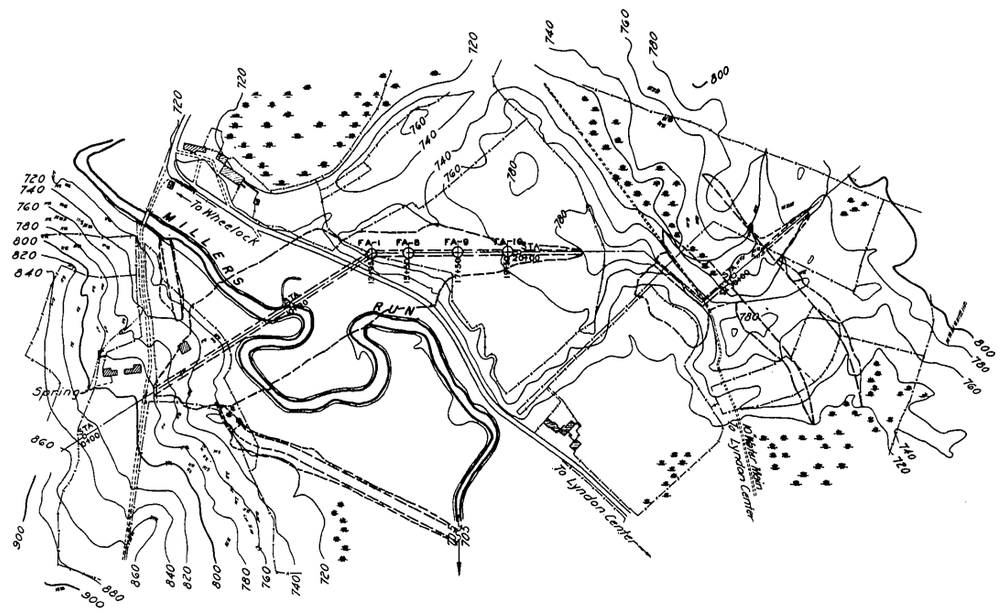
SUBMITTED:	APPROVAL RECOMMENDED	APPROVED:
ENGINEER	PRINCIPAL ENGINEER	U.S. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY N. H. TRACED BY D. C. CHECKED BY H.F.T.	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-1-1004A

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY





PLAN
SCALE
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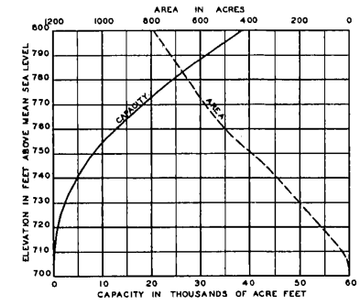


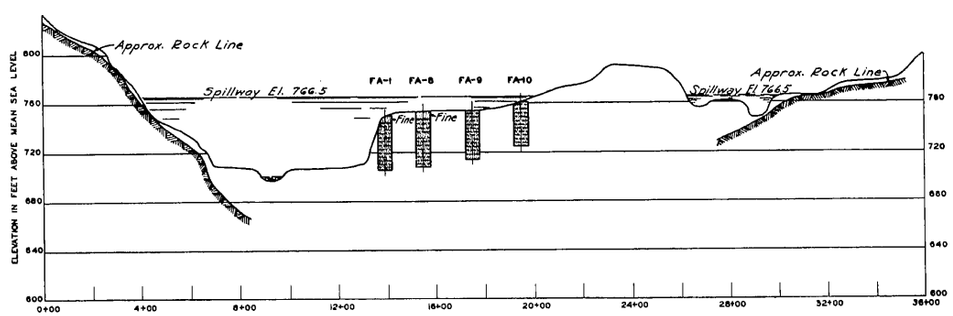
AREA AND CAPACITY CURVES

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
GRANITE
ROCK OUT-CROP
FA = AUGER BORING

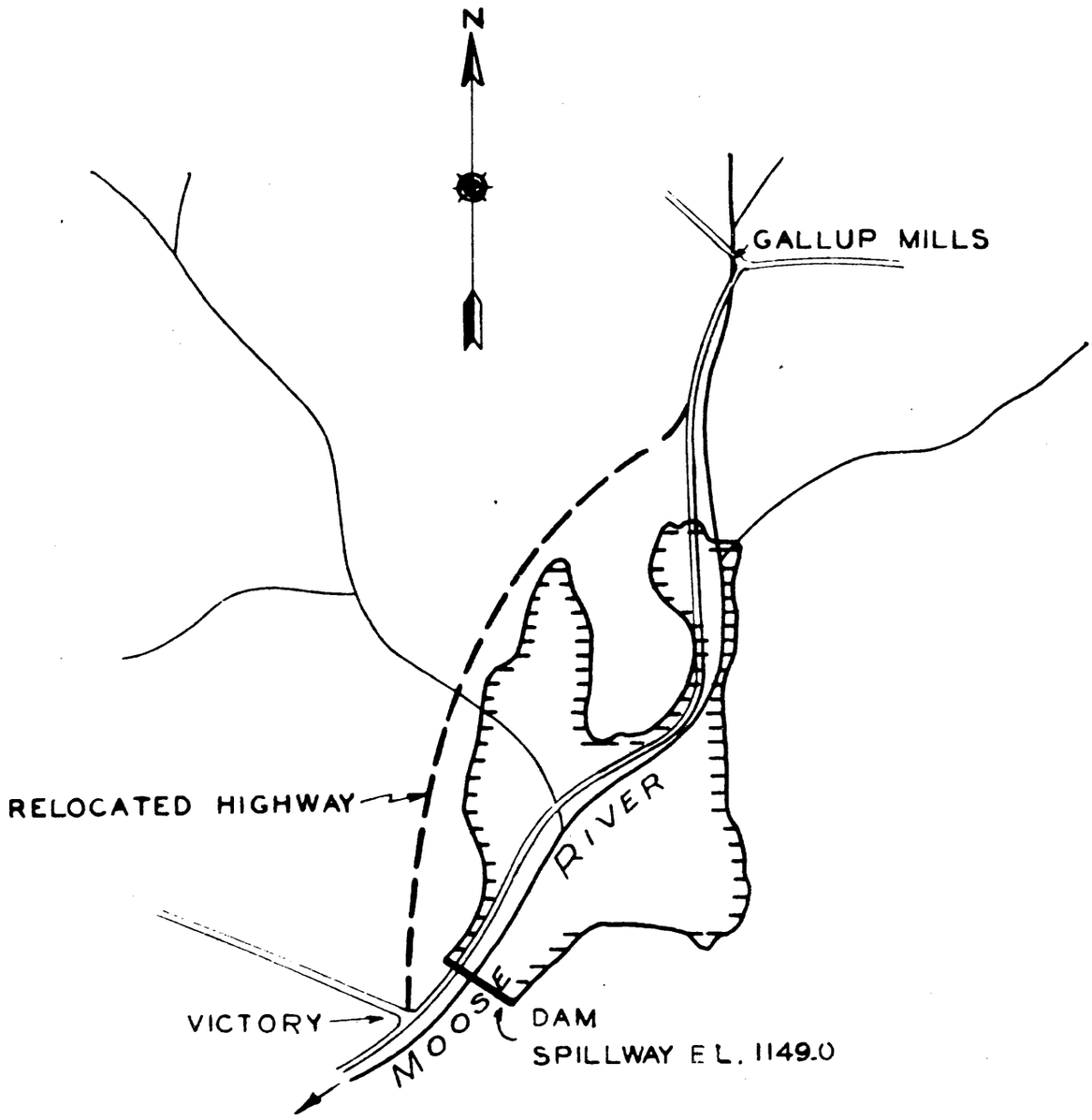
NOTE:

IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.3 MILES UPSTREAM AND DOWNSTREAM ON LEFT BANK. PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.8 MILES UPSTREAM AND DOWNSTREAM ON LEFT BANK.



PROFILE ON ℄ DAM

CONNECTICUT RIVER FLOOD CONTROL GEOLOGY LYNDON CENTER DAM NO. 21-A		
PASSUMPSIC RIVER WATERSHED,		VERMONT
IN 3 SHEETS	SCALE AS SHOWN	SHEET NO 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937		
SUBMITTED: GEOLOGIST	APPROVAL RECOMMENDED: PRINCIPAL ENGINEER	APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY D P TRACED BY J F J CHECKED BY	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-2-1001A



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

VICTORY DAM

NO. 22-A

PASSUMPSIC RIVER WATERSHED, VERMONT

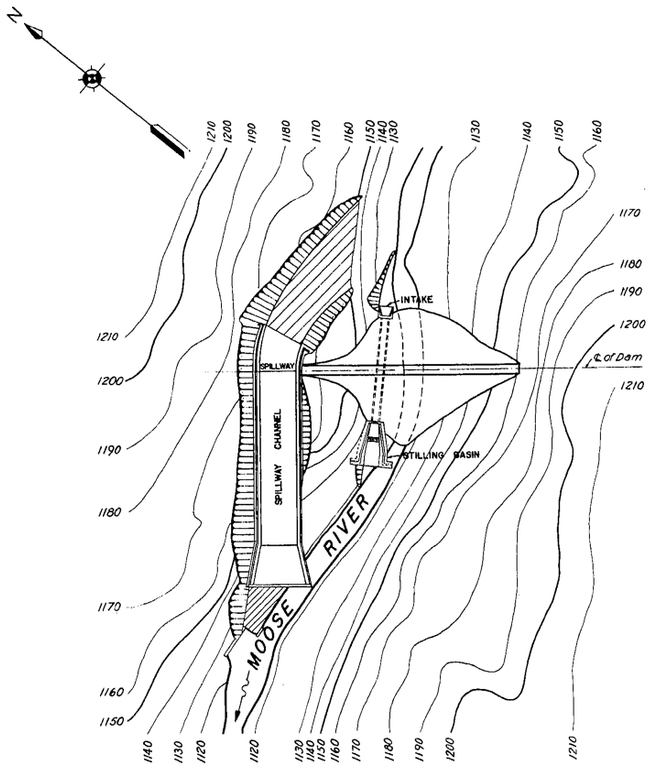
U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

0 1 2 MI.

IN 3 SHEETS SHEET NO. 1



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SCALE
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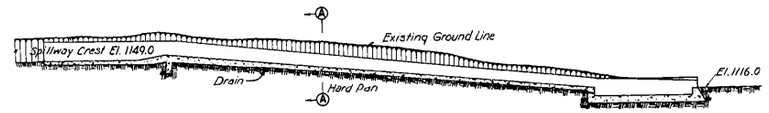
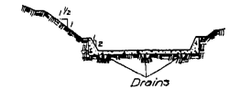


SECTION ON ℄ OF SPILLWAY CHANNEL
SCALE
40 0 40 80 FT.



SECTION "A-A"
SPILLWAY CHANNEL
SCALE
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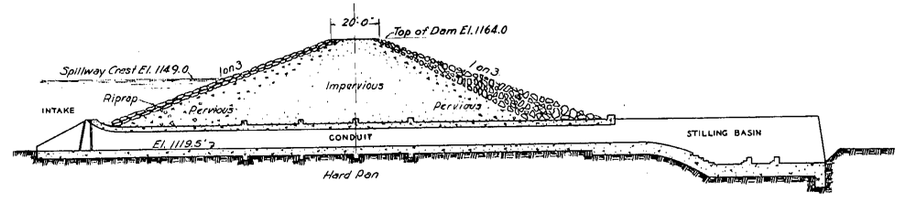

SECTION ON ℄ CONDUIT
SCALE
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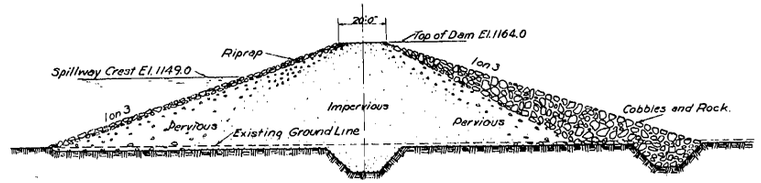

TYPICAL SECTION
SCALE
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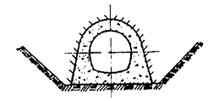
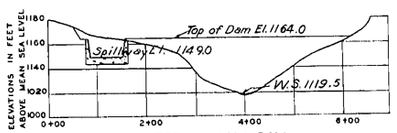


SECTION THRU CONDUIT
SCALE
10 0 10 20 FT.



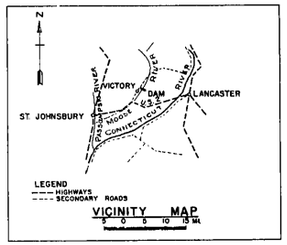
PROFILE ON ℄ DAM

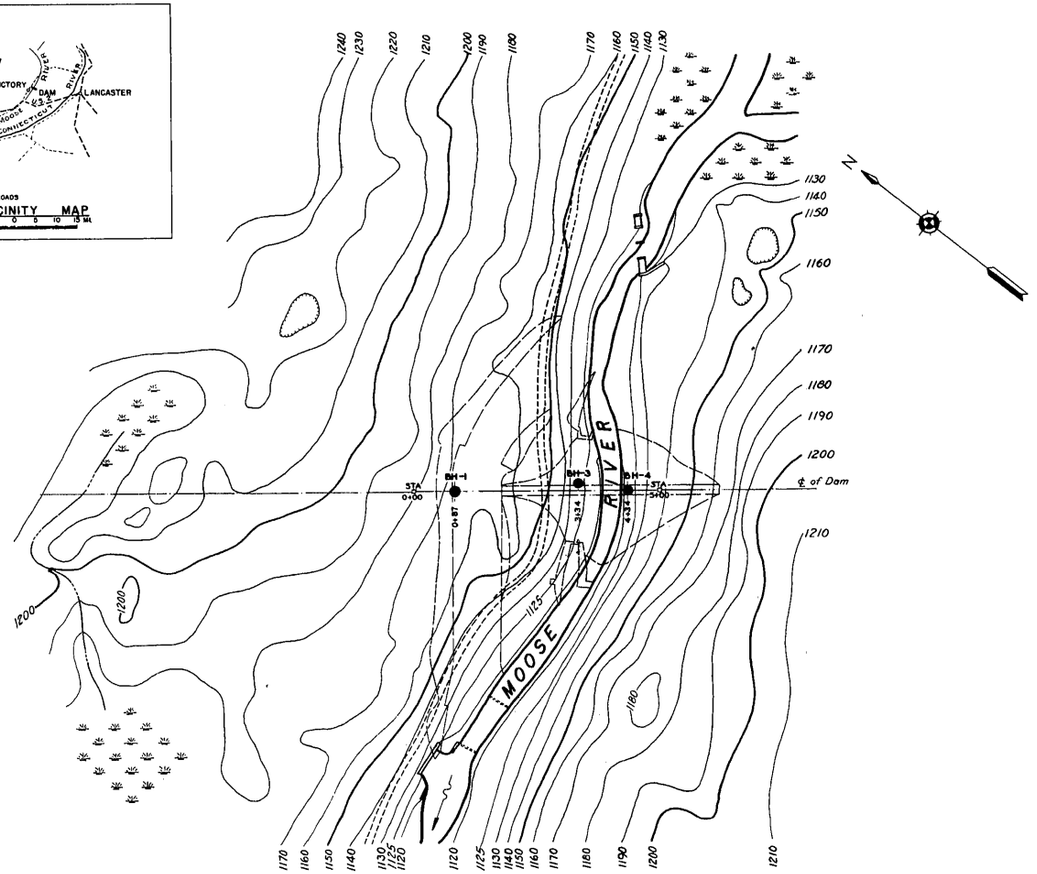
CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN
VICTORY DAM
NO. 22-A

PASSUMPSIC RIVER WATERSHED, VERMONT

IN 3 SHEETS	SCALE AS SHOWN	SHEET NO 2
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937		
SUBMITTED: ENGINEER	APPROVAL RECOMMENDED: PRINCIPAL ENGINEER	APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY N.H. TRACED BY E.L. CHECKED BY M.F.R.	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-1-1006A

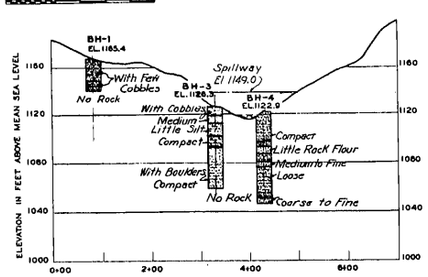




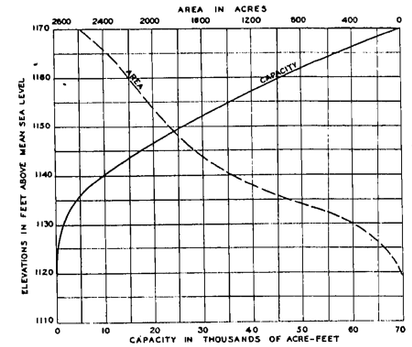
PLAN

SCALE

100 0 100 200 FT.



PROFILE ON ℄ DAM



AREA AND CAPACITY CURVES

NOTE:
IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM ON RIGHT BANK. PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES DOWNSTREAM ON RIGHT BANK.

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
ROCK OUT-CROP
B.H.=CORE BORE HOLE

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

VICTORY DAM

NO. 22-A

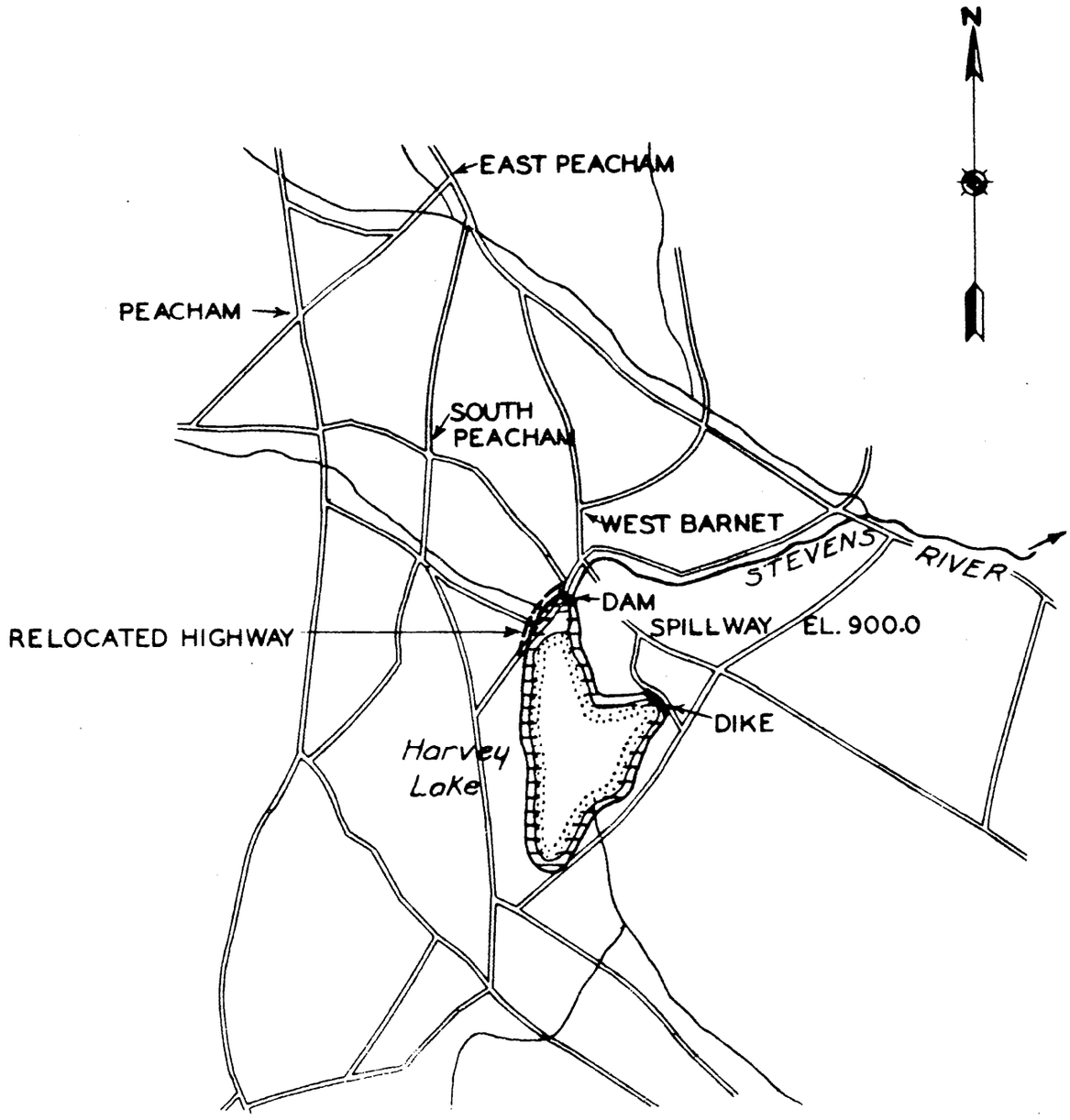
PASSUMPSIC RIVER WATERSHED, VERMONT

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 3

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY D.P. | TRACED BY E.C.L. | CHECKED BY J.W.F. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-2-1002A



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

HARVEY LAKE DAM

NO. 50

STEVENS RIVER, VERMONT

U. S. ENGINEER OFFICE

PROVIDENCE, R. I.

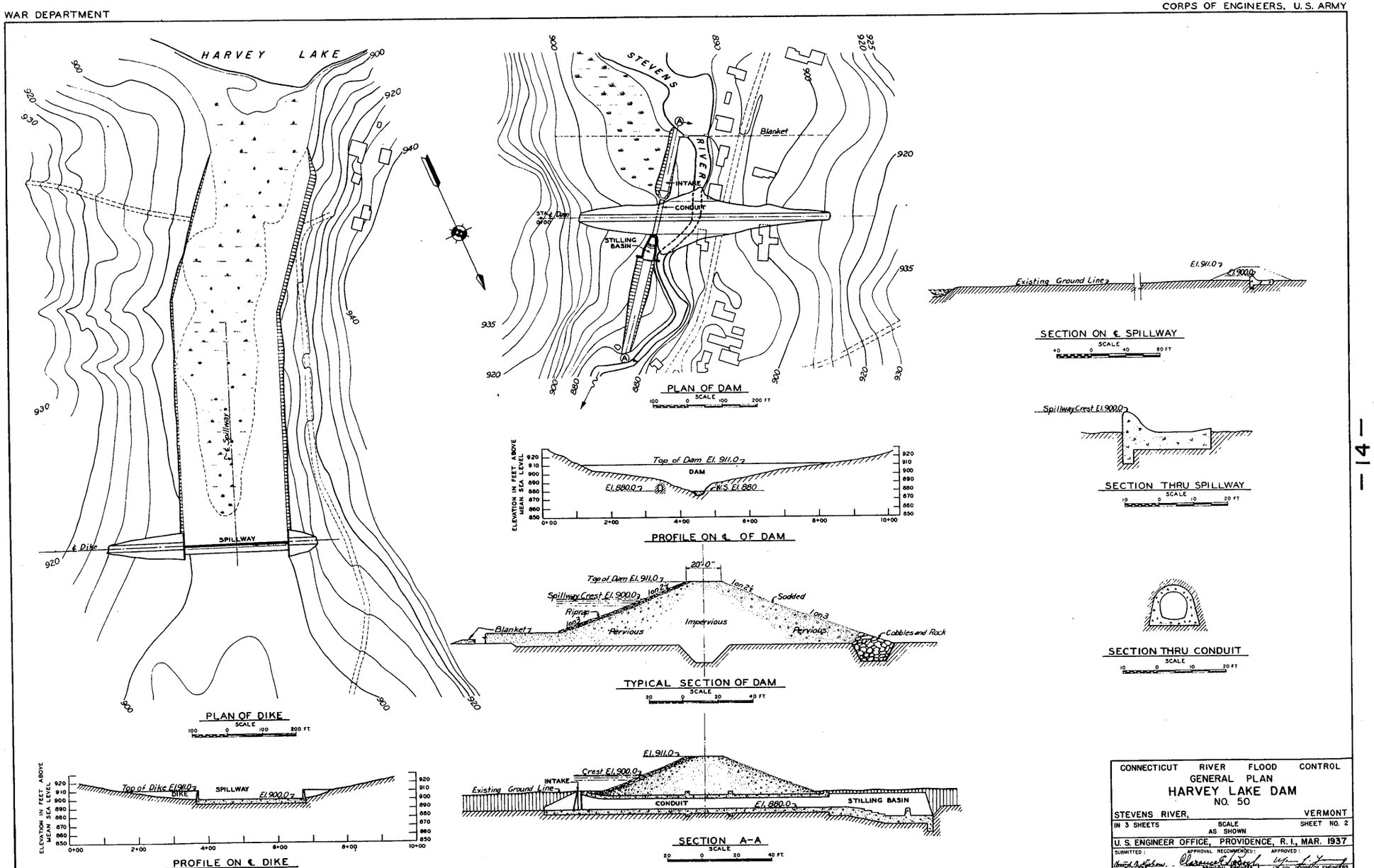
SCALE

0 1 2 MI

IN 3 SHEETS SHEET NO. 1

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

HARVEY LAKE DAM

NO. 50

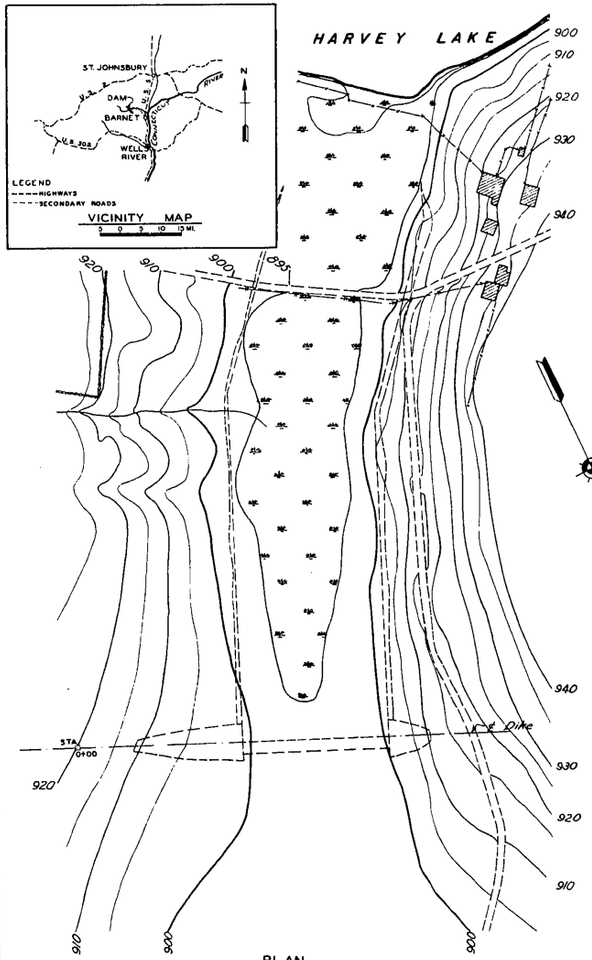
STEVENS RIVER, VERMONT

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

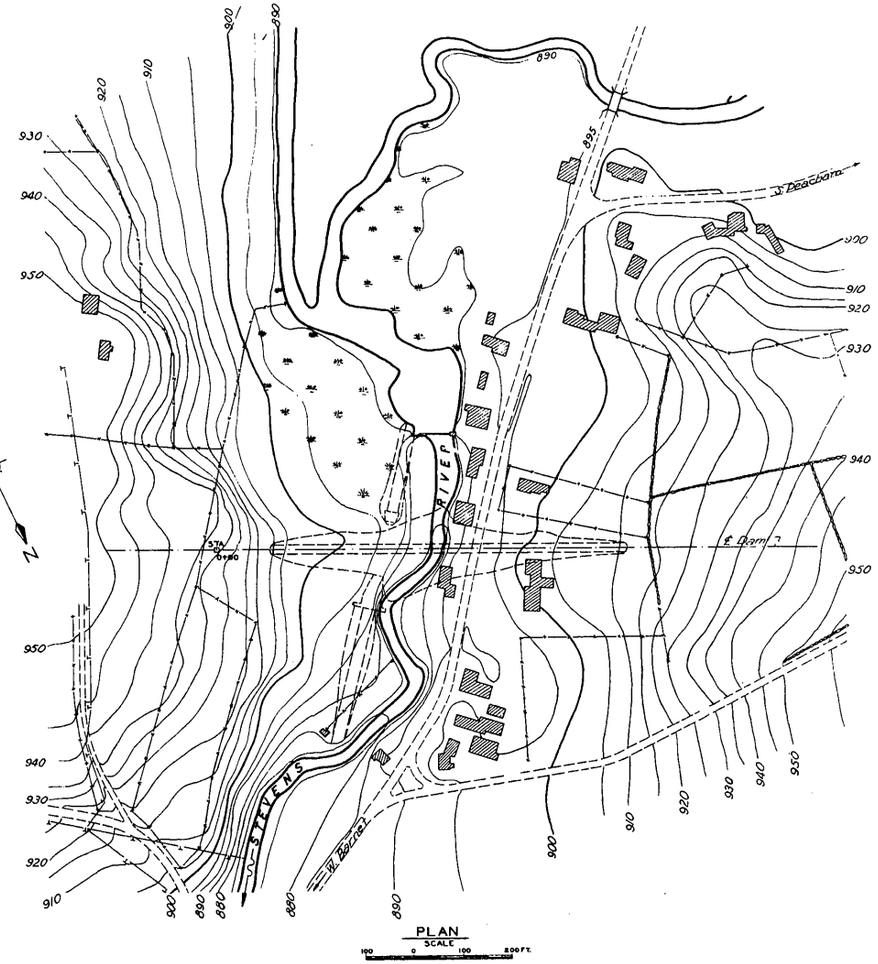
U. S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

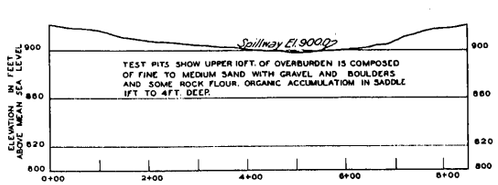
DRAWN BY J.M. TRACED BY J.C.H. & D.C. CHECKED BY | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-1-1008A



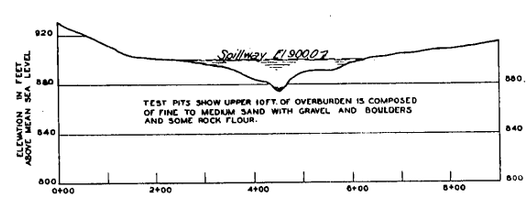
PLAN
SCALE
100 0 100 200 FT.



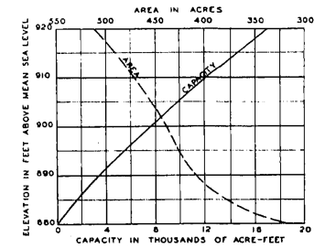
PLAN
SCALE
100 0 100 200 FT.



PROFILE ON ℄ DIKE



PROFILE ON ℄ DAM

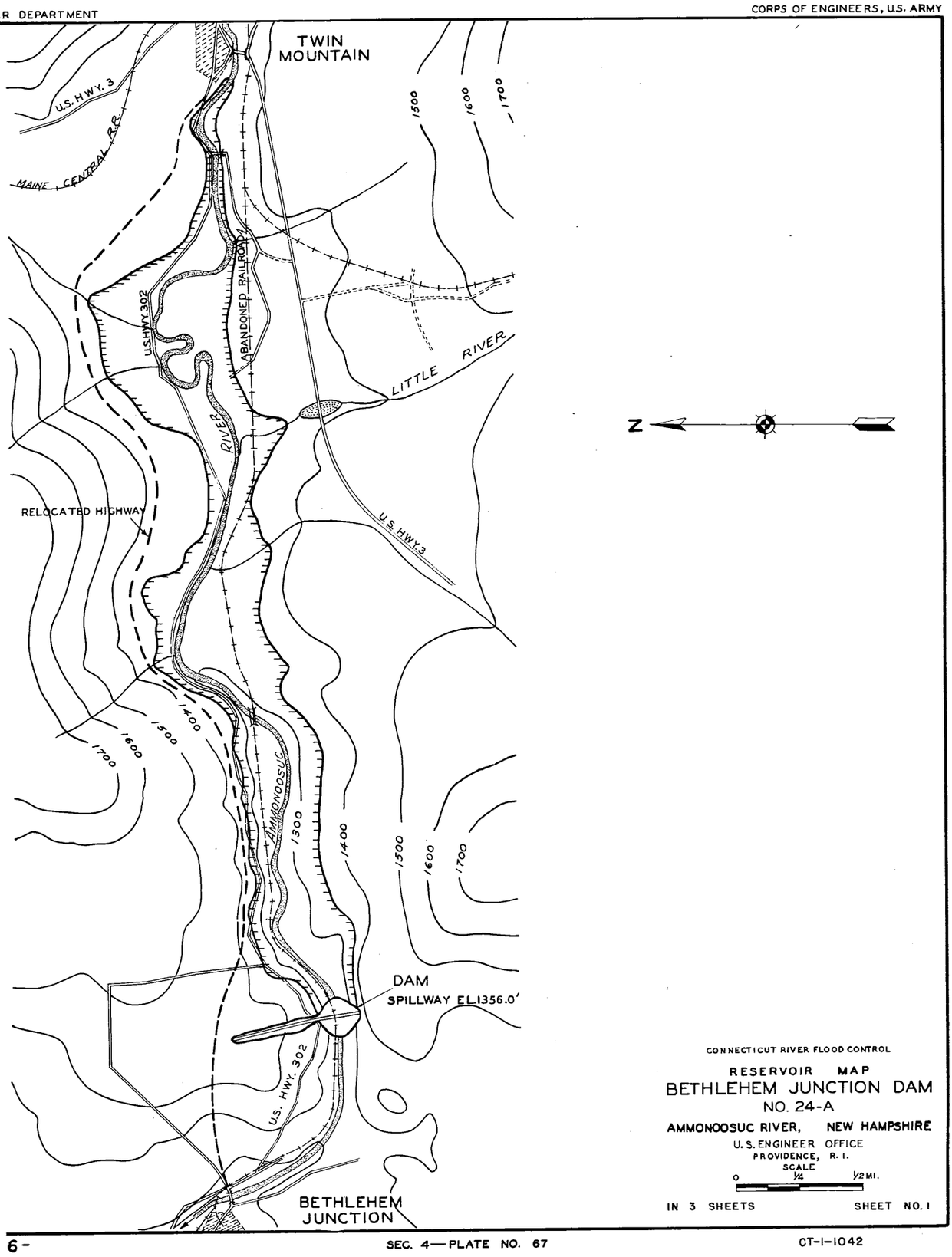


AREA AND CAPACITY CURVES

NOTE:
IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.25 MILES DOWNSTREAM ON BOTH BANKS. PERVIOUS BORROW MATERIAL AVAILABLE IN AREA ADJACENT TO RIGHT ABUTMENT.

CONNECTICUT RIVER FLOOD CONTROL
GEOLOGY
HARVEY LAKE DAM
NO. 50
STEVENS RIVER, VERMONT

IN 3 SHEETS	SCALE AS SHOWN	SHEET NO. 3
U. S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937		
SUBMITTED: GEOLOGIST	APPROVAL RECOMMENDED: PRINCIPAL ENGINEER	APPROVED: LT. COL., CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY O. P. TRACED BY P. J. G.	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-2-1003A



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

BETHLEHEM JUNCTION DAM

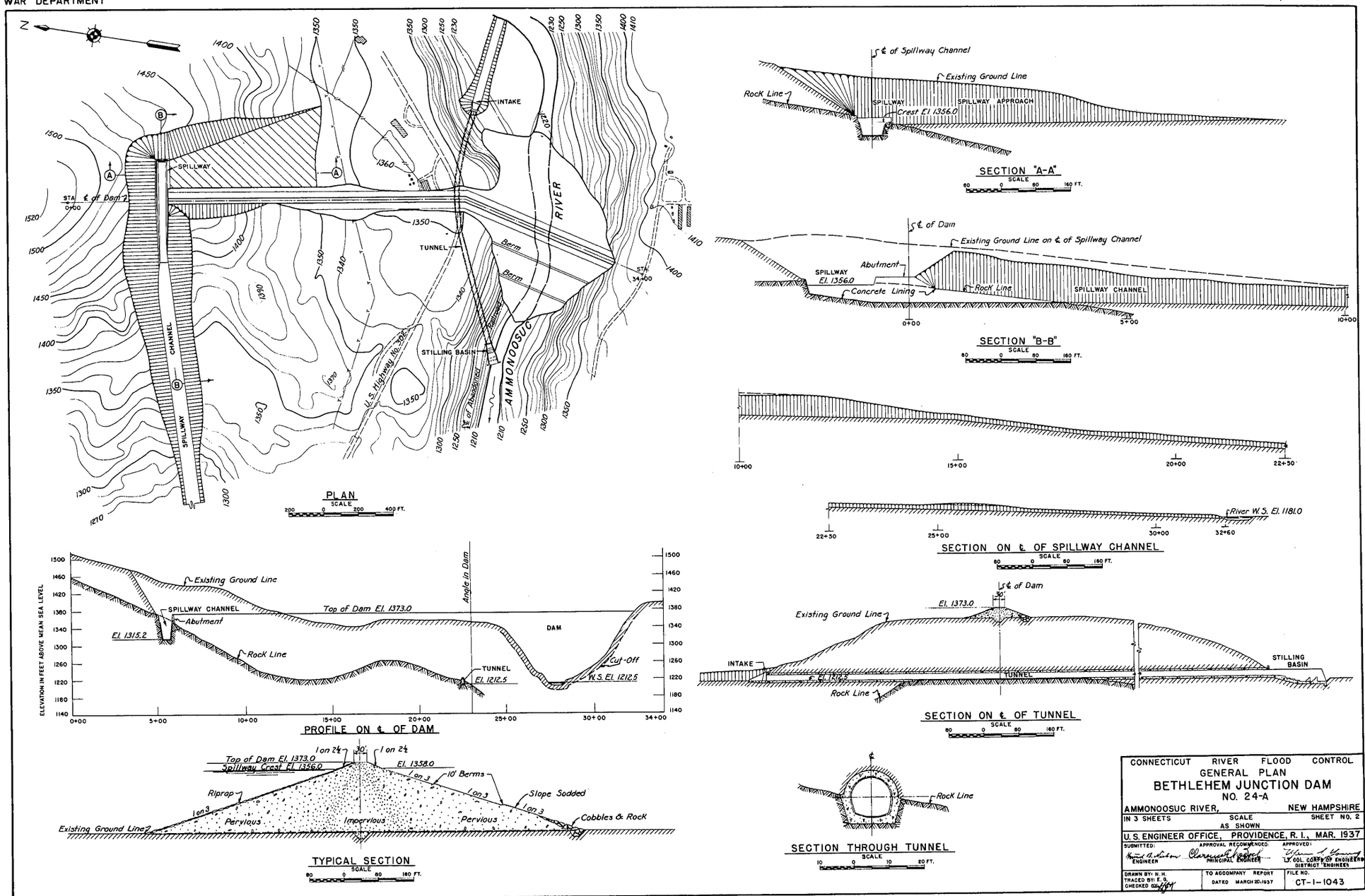
NO. 24-A

AMMONOOSUC RIVER, NEW HAMPSHIRE

U.S. ENGINEER OFFICE
PROVIDENCE, R. I.

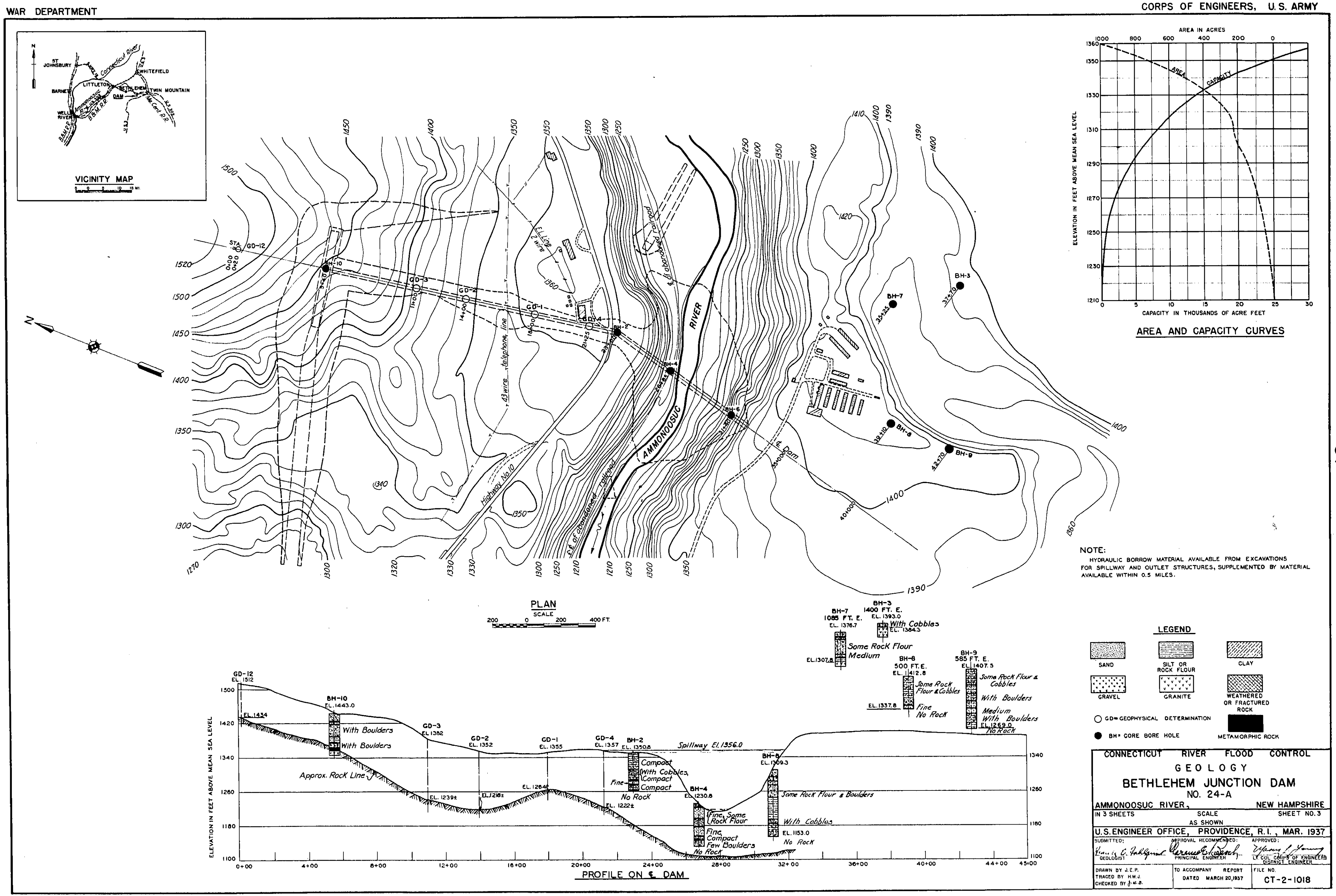
SCALE
0 1/4 1/2 MI.

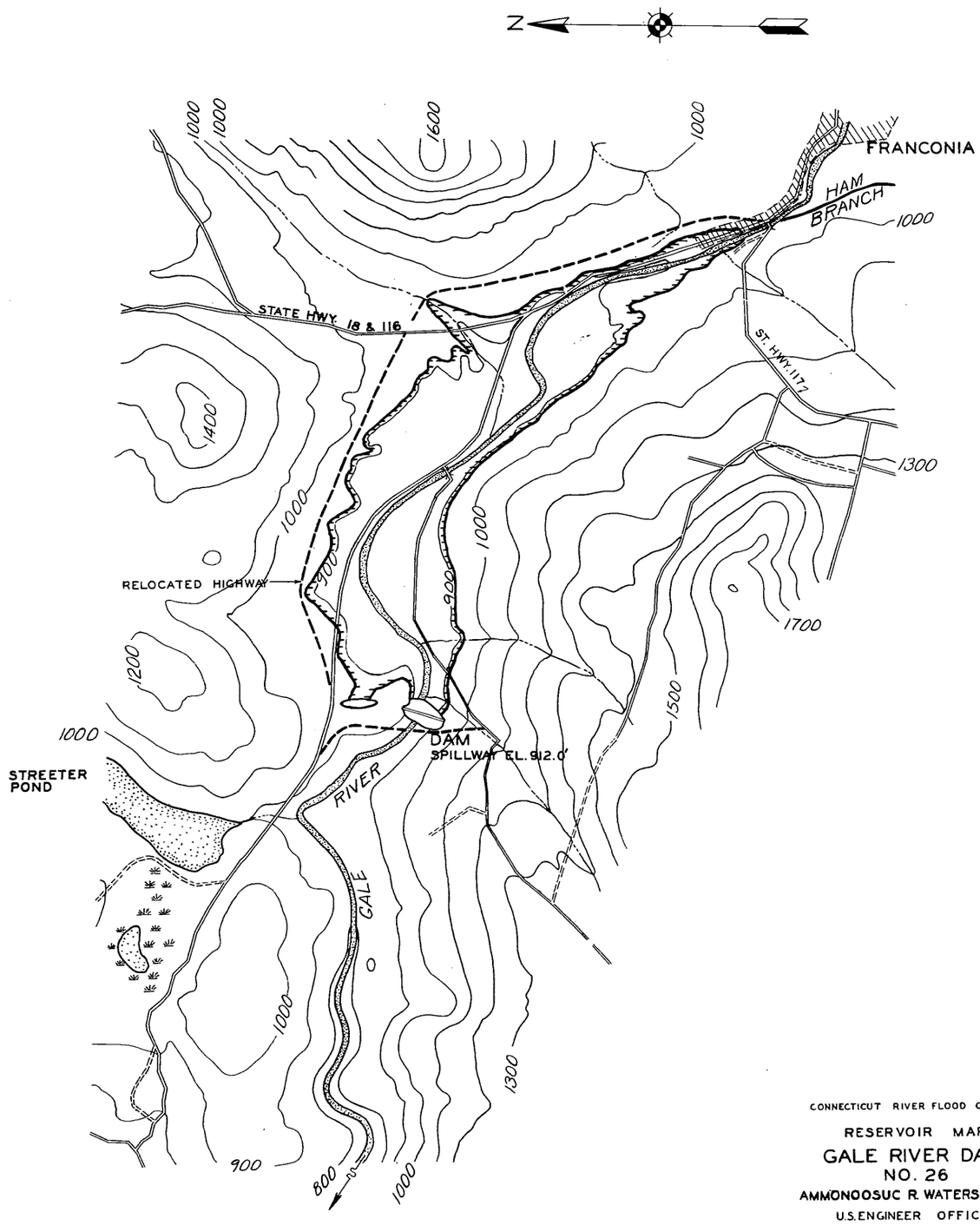
IN 3 SHEETS SHEET NO. 1


PLAN
SCALE
200 0 200 400 FT.
SPILLWAY
STA ℄ of Dam 0+00
INTAKE
TUNNEL
Berm
Berm
RIVER
AMMONOOSUC
STILLING BASIN
U.S. Highway No. 302
N. of Abandoned Railroad
CHANNEL
SPILLWAY
STA 34+00
SECTION "A-A"
SCALE
80 0 80 160 FT.
℄ of Spillway Channel
Existing Ground Line
Rock Line
SPILLWAY
SPILLWAY APPROACH
Crest El 1356.0
SECTION "B-B"
SCALE
80 0 80 160 FT.
℄ of Dam
Existing Ground Line on ℄ of Spillway Channel
Abutment
SPILLWAY
El. 1356.0
Concrete Lining
Rock Line
SPILLWAY CHANNEL
0+00
5+00
10+00
SECTION ON ℄ OF SPILLWAY CHANNEL
SCALE
80 0 80 160 FT.
River W.S. El. 1181.0
10+00
15+00
20+00
22+50
25+00
30+00
32+60
PROFILE ON ℄ OF DAM
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
Existing Ground Line
SPILLWAY CHANNEL
Abutment
El. 1315.2
Rock Line
Top of Dam El. 1373.0
Angle in Dam
DAM
TUNNEL
El. 1212.5
Cut-Off
W.S. El. 1212.5
0+00
5+00
10+00
15+00
20+00
25+00
30+00
34+00
SECTION ON ℄ OF TUNNEL
SCALE
80 0 80 160 FT.
℄ of Dam
El. 1373.0
30'
Existing Ground Line
INTAKE
El. 1212.5
TUNNEL
Rock Line
STILLING BASIN
TYPICAL SECTION
SCALE
80 0 80 160 FT.
1 on 2½
30'
1 on 2½
Top of Dam El. 1373.0
Spillway Crest El. 1356.0
El. 1358.0
1 on 3
10' Berms
1 on 3
Slope Sodded
1 on 3
Riprap
1 on 3
Pervious
Impervious
Pervious
Cobbles & Rock
Existing Ground Line
SECTION THROUGH TUNNEL
SCALE
10 0 10 20 FT.
℄
Rock Line
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
BETHLEHEM JUNCTION DAM
NO. 24-A
AMMONOOSUC RIVER, NEW HAMPSHIRE
IN 3 SHEETS
SCALE AS SHOWN
SHEET NO. 2
U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937
SUBMITTED:
ENGINEER
APPROVAL RECOMMENDED:
PRINCIPAL ENGINEER
APPROVED:
COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY: N. H.
TRACED BY: E. G.
CHECKED BY:
TO ACCOMPANY REPORT
DATED MARCH 20, 1937
FILE NO.
CT-1-1043

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY





CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

GALE RIVER DAM

NO. 26

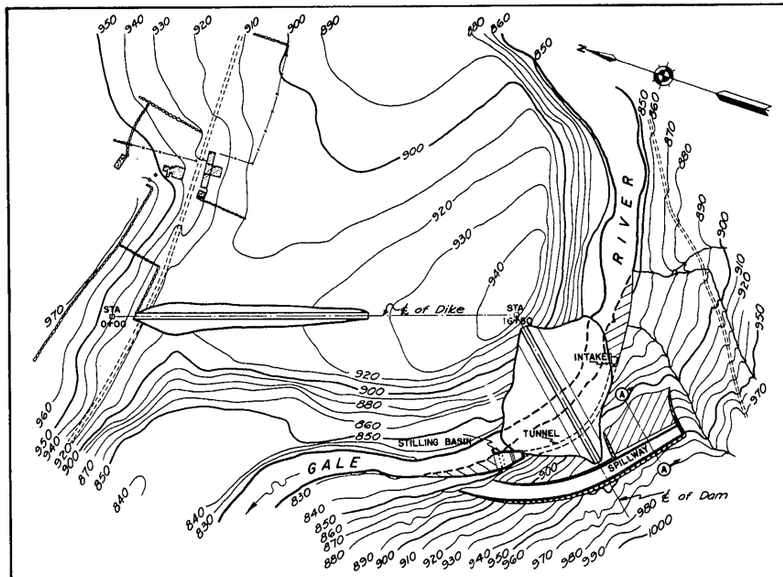
AMMONOOSUC R. WATERSHED, N.H.

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

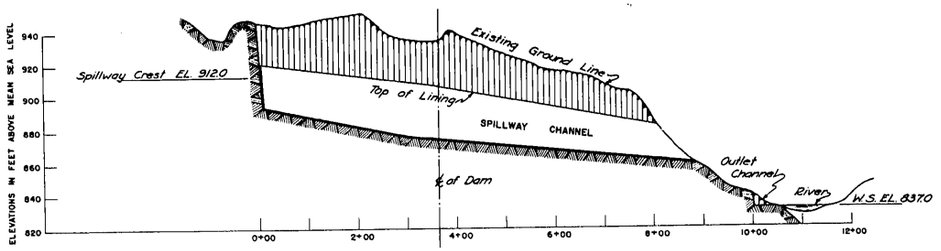
SCALE 0 1/4 1/2 MI.

IN 3 SHEETS SHEET NO. 1

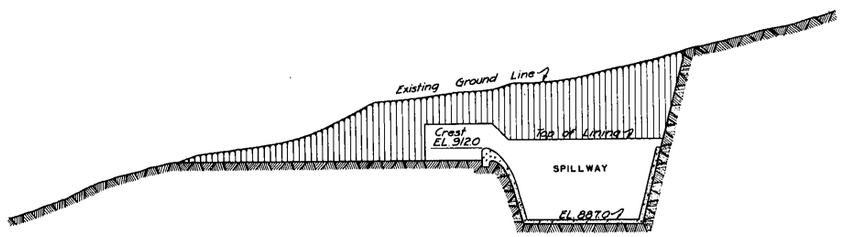


PLAN OF DAM

SCALE 200 0 200 400 FT.

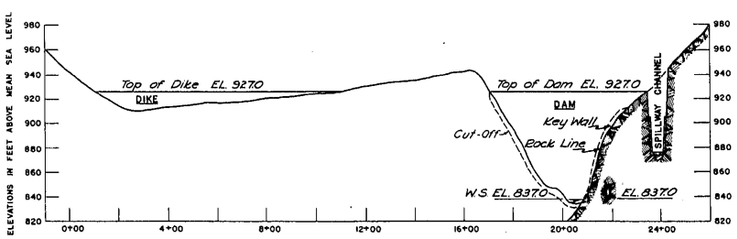


PROFILE ON ℄ OF SPILLWAY CHANNEL

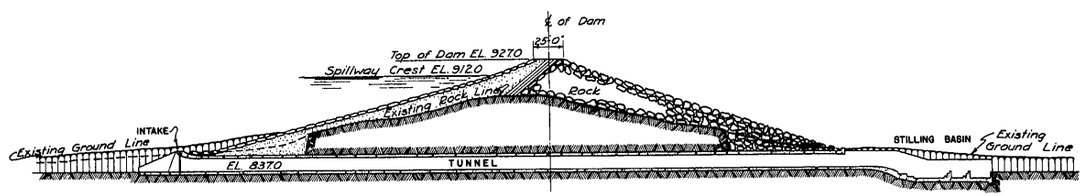


SECTION "A-A"

SCALE 20 0 20 40 FT.

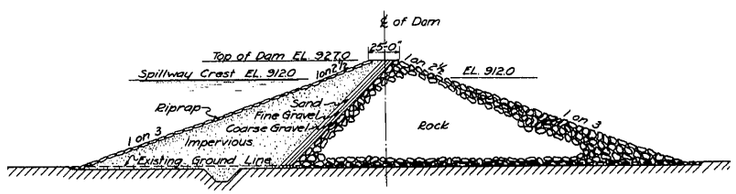


PROFILE ON ℄ OF DAM



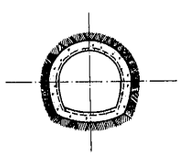
SECTION ON ℄ OF TUNNEL

SCALE 40 0 40 80 FT.



TYPICAL SECTION

SCALE 40 0 40 80 FT.



SECTION THRU TUNNEL

SCALE 10 0 10 20 FT.

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

GALE RIVER DAM

NO. 26

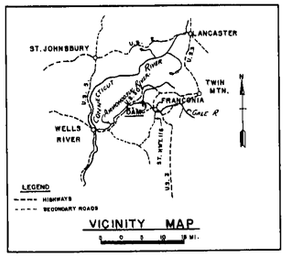
AMMONOOSUC RIVER WATERSHED, NEW HAMPSHIRE

IN 3 SHEETS — SCALE AS SHOWN — SHEET NO. 2

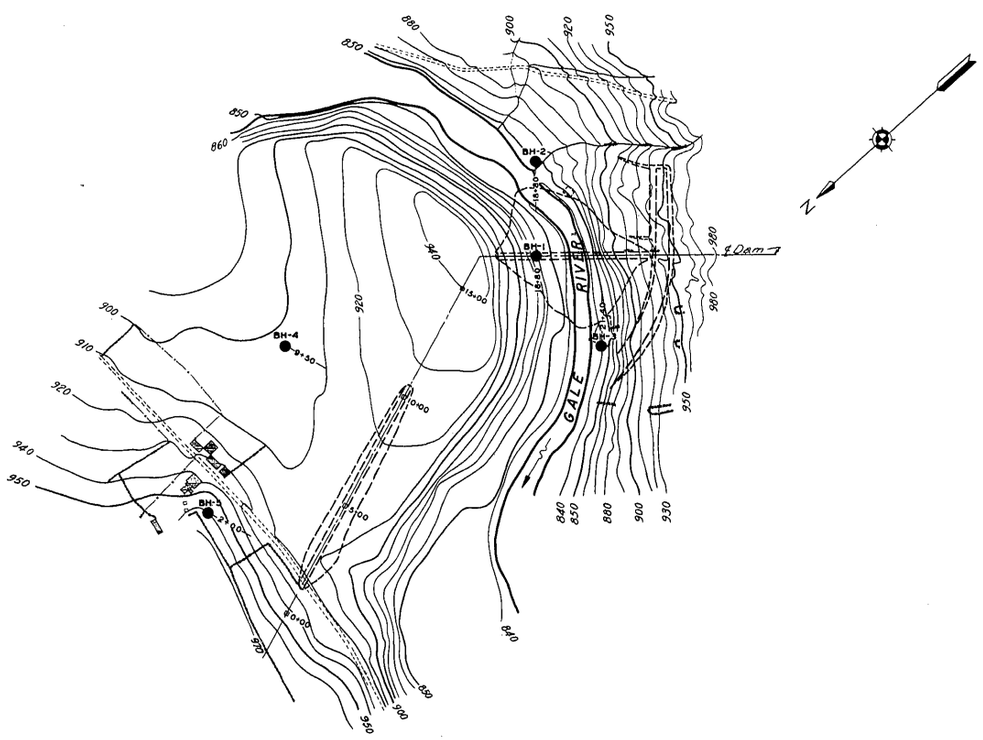
U. S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY N. H. — TRACED BY K. B. H. — CHECKED BY — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-1-1045

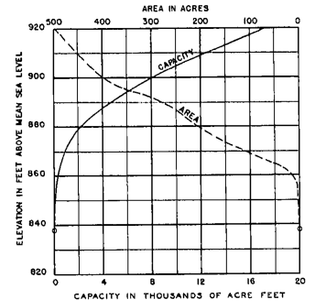


VICINITY MAP

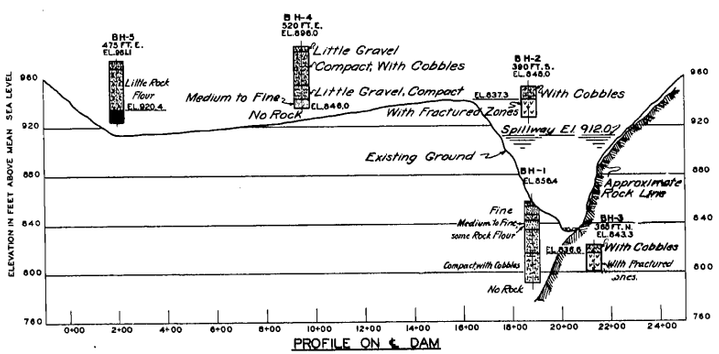


PLAN

SCALE



AREA AND CAPACITY CURVES



PROFILE ON ℄ DAM

NOTE:
IMPERVIOUS AND PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM ON THE RIGHT BANK.

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
GRANITE
ROCK OUT-CROP
BH-CORE BORING

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

GALE RIVER DAM

NO. 26

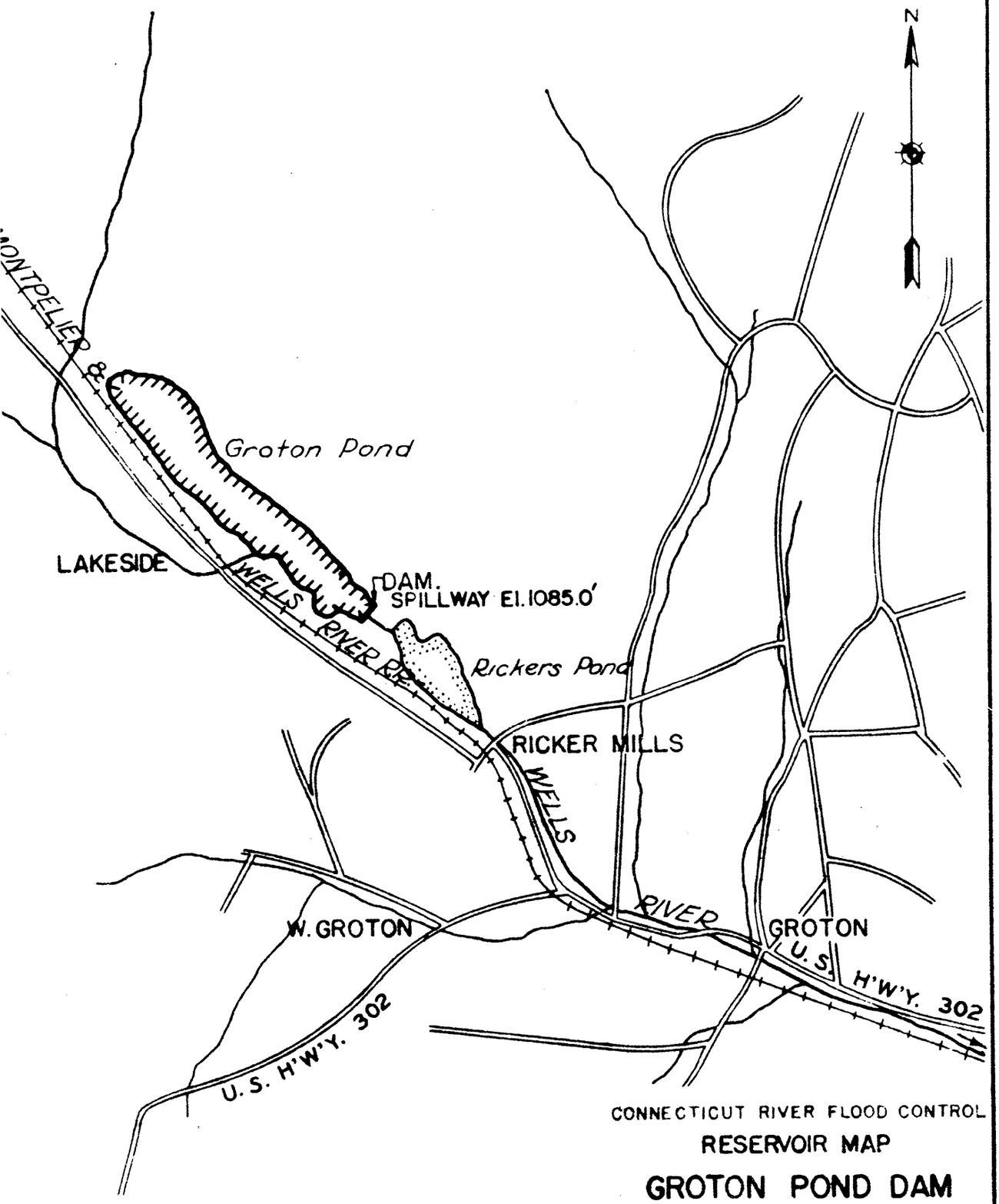
AMMONOOSUC RIVER WATERSHED, NEW HAMPSHIRE

IN 3 SHEETS	SCALE	SHEET NO. 3
	AS SHOWN	

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED:	APPROVAL RECOMMENDED:	APPROVED:
GEOLOGIST	PRINCIPAL ENGINEER	LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY R.J.S.	TO ACCOMPANY REPORT	FILE NO.
TRACED BY V.A.T.	DATED MARCH 20, 1937	CT-2-1019
CHECKED BY J.C.D.		



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

GROTON POND DAM

NO. 27-A

WELLS RIVER, VERMONT

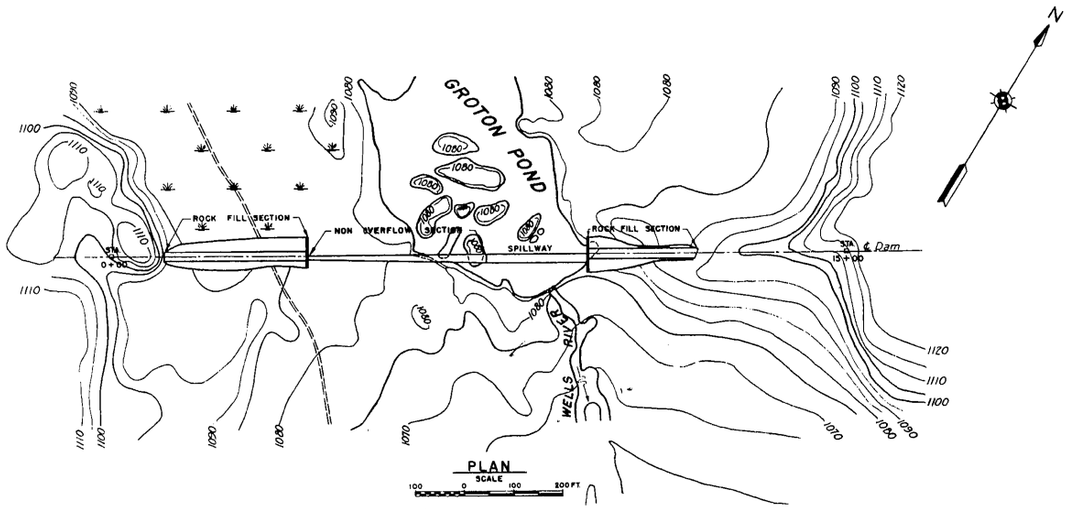
U.S. ENGINEER OFFICE

PROVIDENCE, R. I.

SCALE

0 1 2 MI.

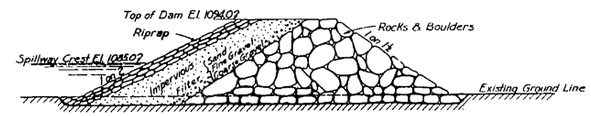
IN 3 SHEETS SHEET NO. 1



PLAN

SCALE

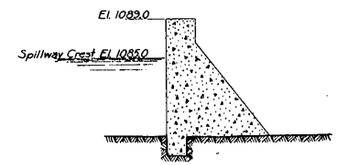
100 0 100 200 FT.



TYPICAL ROCK FILL SECTION

SCALE

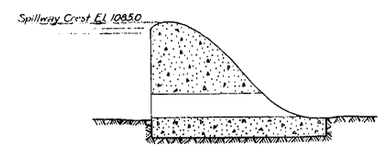
10 0 10 20 FT.



TYPICAL RETAINING SECTION

SCALE

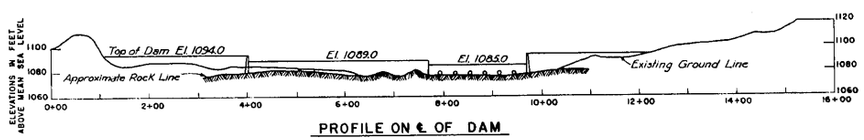
5 0 5 10 FT.



TYPICAL DISCHARGE SECTION

SCALE

5 0 5 10 FT.



PROFILE ON ℄ OF DAM

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

GROTON POND DAM

NO. 27-A

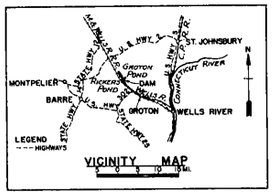
WELLS RIVER, VERMONT.

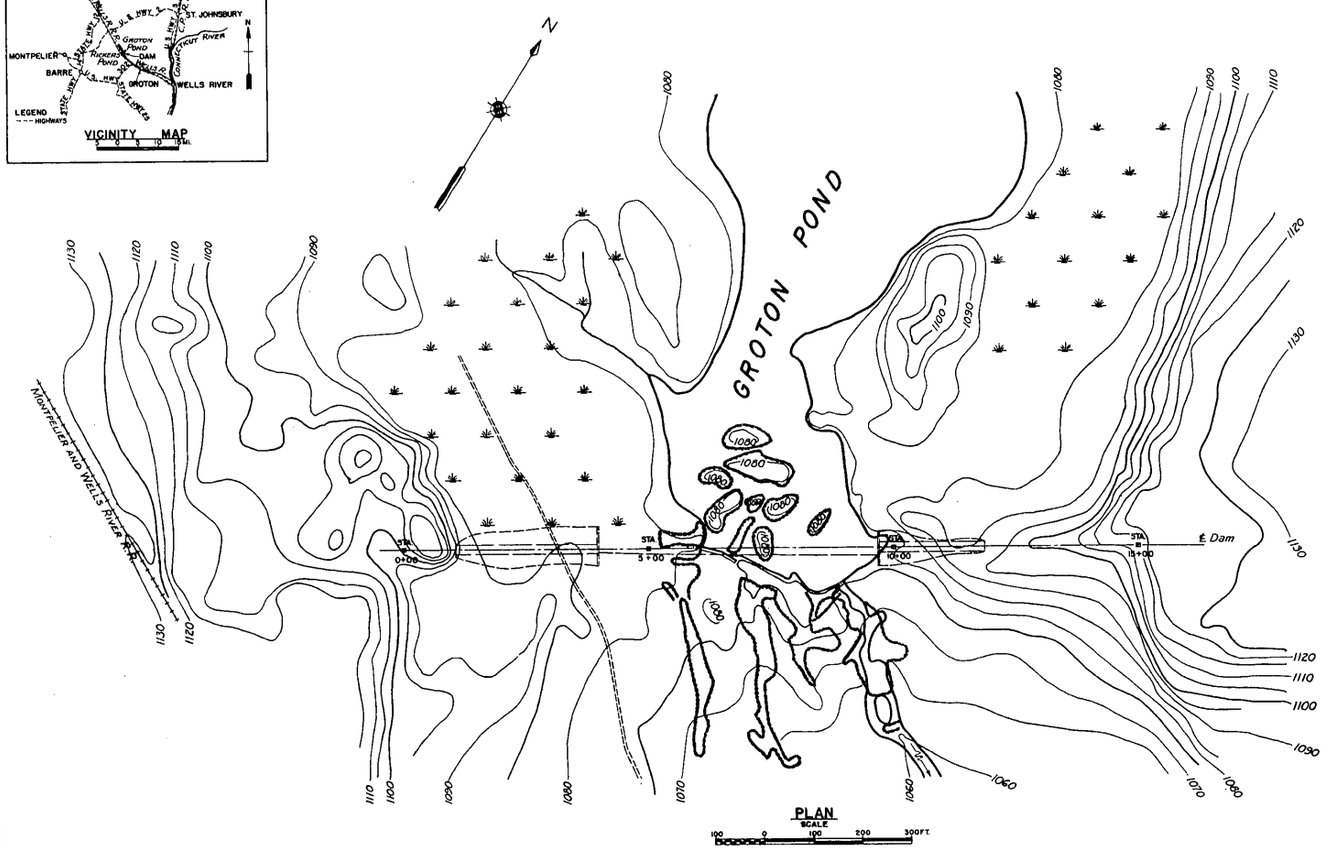
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 2

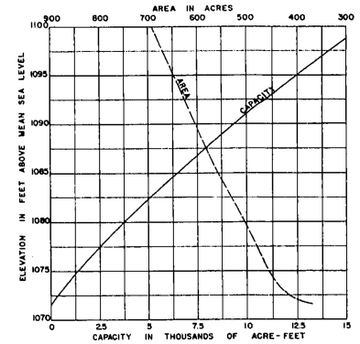
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: [signature] ENGINEER | APPROVAL RECOMMENDED: [signature] PRINCIPAL ENGINEER | APPROVED: [signature] LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

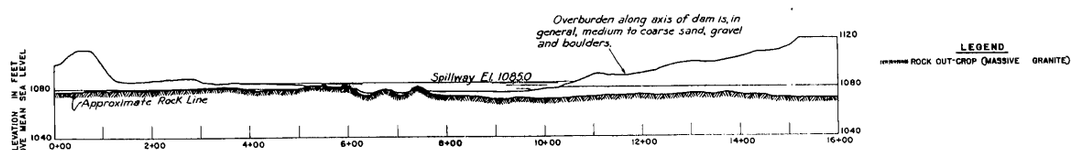
DRAWN BY R.D.M. TRACED BY C.O. CHECKED BY [signature] | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-1-1010A







AREA AND CAPACITY CURVES



PROFILE ON ℄ DAM

LEGEND

ROCK OUT-CROP (MASSIVE GRANITE)

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

GROTON POND DAM

NO. 27-A

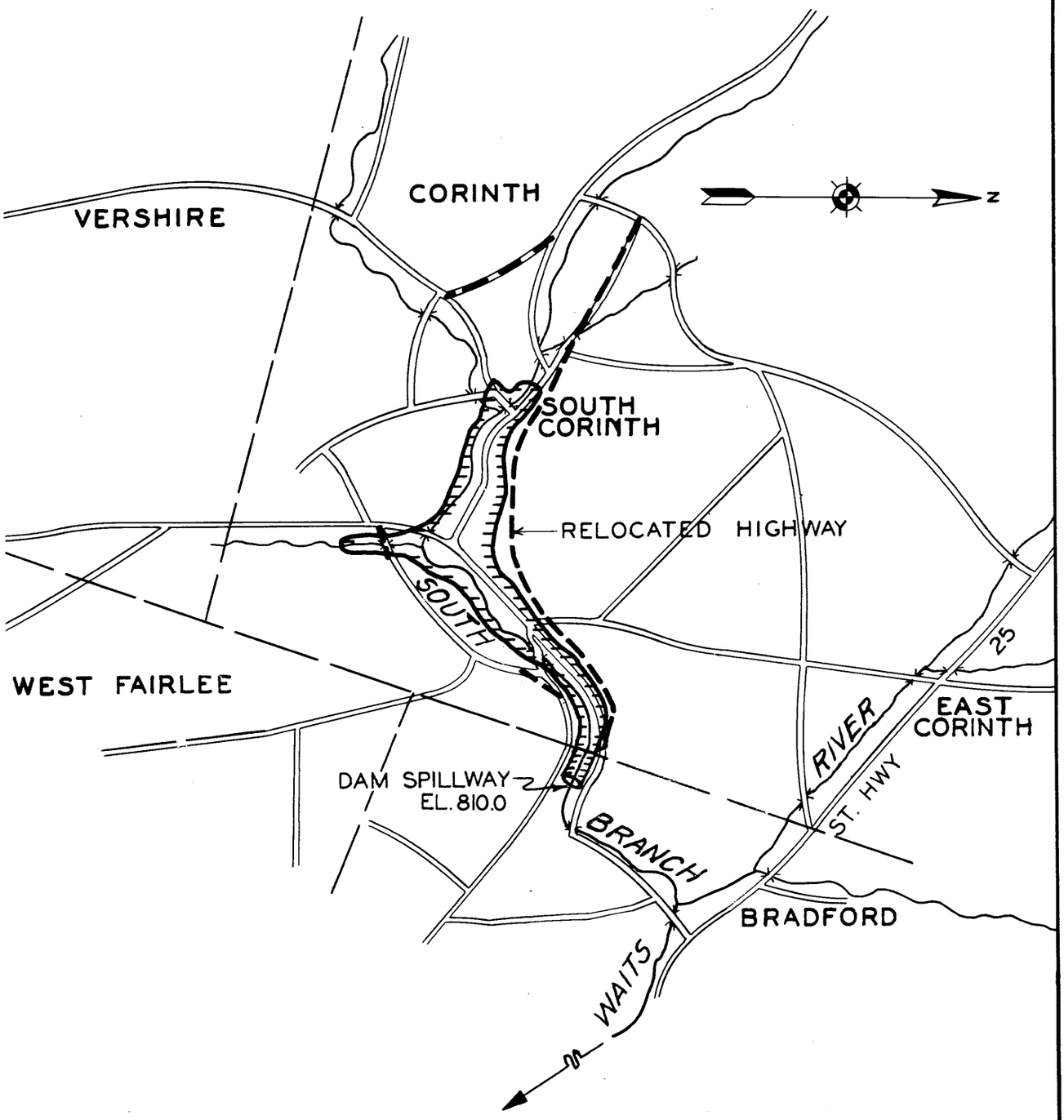
WELLS RIVER, VERMONT.

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 3

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY D.P. TRACED BY E.G. CHECKED BY J.A.B. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-2-1004A



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

SOUTH BRANCH DAM

NO. 28-A

WAITS R. WATERSHED, VT.

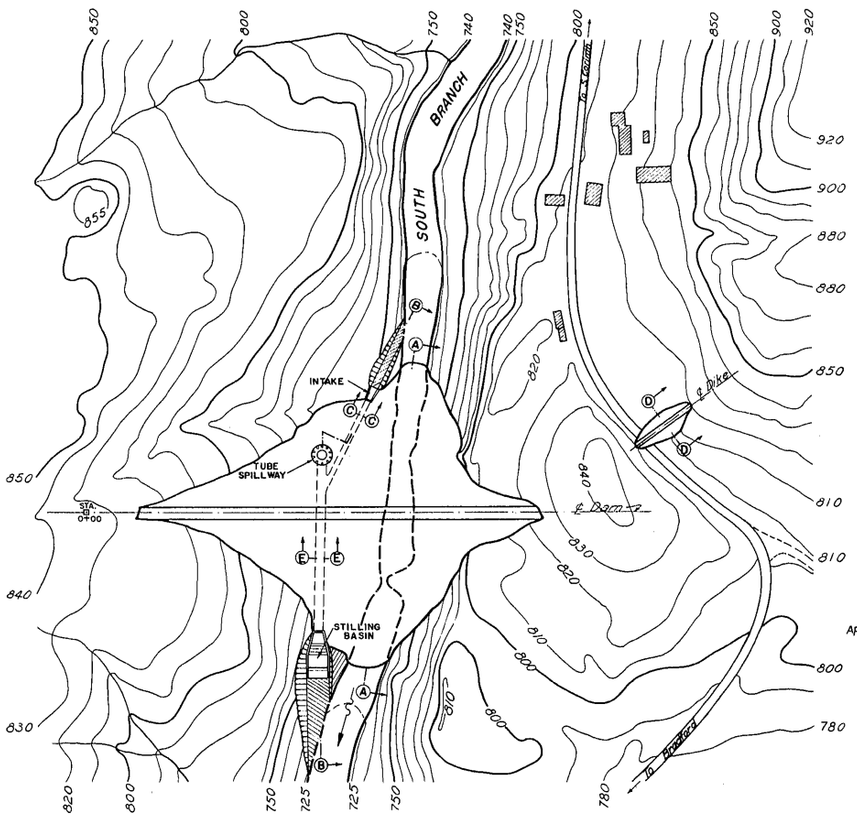
U.S. ENGINEER OFFICE

PROVIDENCE, R. I.

SCALE

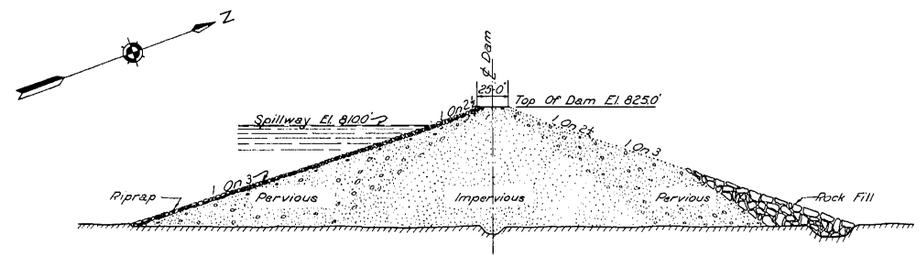
0 1 2MI.

IN 3 SHEETS SHEET NO. 1



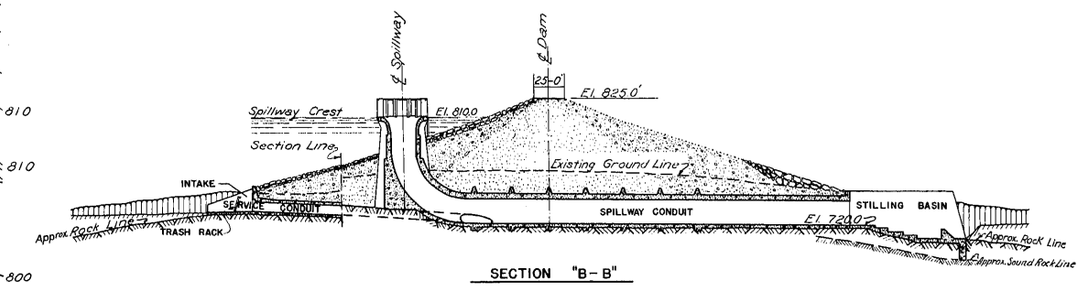
PLAN

SCALE 100 0 100 200



SECTION "A-A"

SCALE 40 0 40 80 FT.

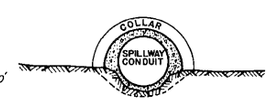


SECTION "B-B"

SCALE 40 0 40 80 FT.

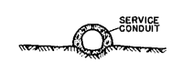
SECTION "D-D"

SCALE 40 0 40 80 FT.



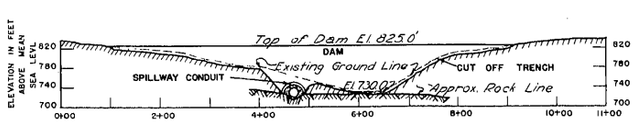
SECTION "E-E"

SCALE 20 0 20 40 FT.

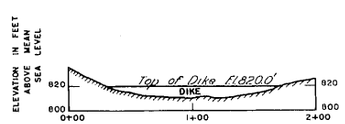


SECTION "C-C"

SCALE 20 0 20 40 FT.



PROFILE ON ℄ OF DAM



PROFILE ON ℄ OF DIKE

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

SOUTH BRANCH DAM

NO 28-A

WAITS RIVER WATERSHED, VERMONT

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

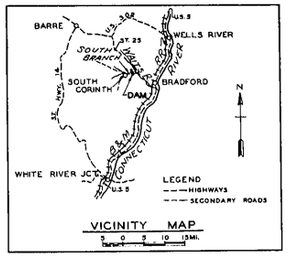
U.S. ENGINEER OFFICE PROVIDENCE, R.I., MAR. 1937

SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

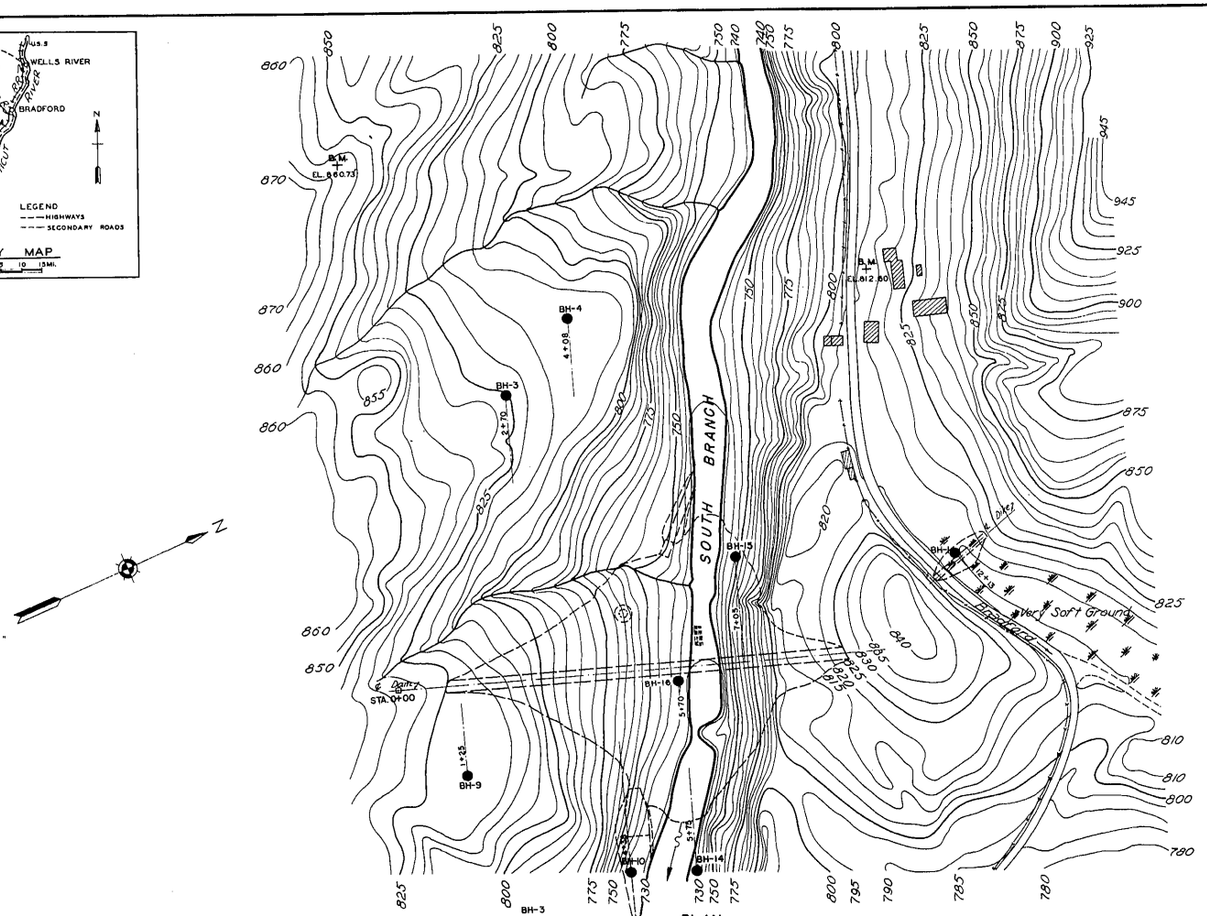
DRAWN BY: F.O.G.M. TRACED BY: P.J.G. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-1-1047

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

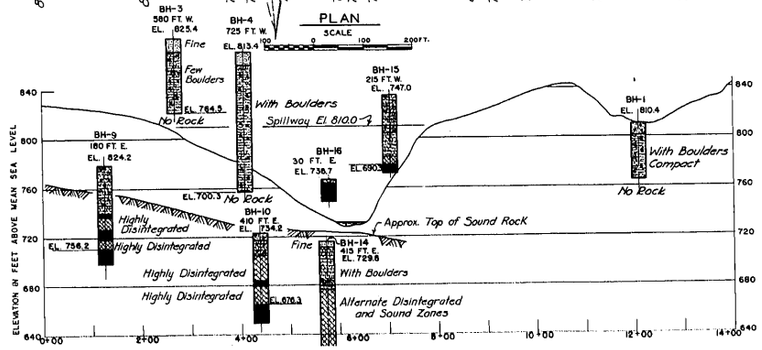


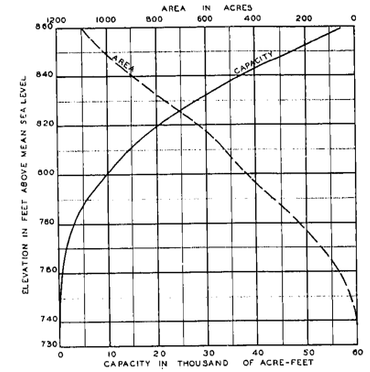
VICINITY MAP



PLAN

SCALE 0 100 200 FT.





AREA AND CAPACITY CURVES

NOTE:
IMPERVIOUS AND PERVIOUS BORROW MATERIAL AVAILABLE UPSTREAM AND DOWNSTREAM WITHIN 0.5 MILES. AGGREGATE FOR CONCRETE AVAILABLE WITHIN 1.0 MILE.

LEGEND

SAND · SILT OR ROCK FLOUR · CLAY · GRAVEL · METAMORPHIC ROCK · WEATHERED OR FRACTURED ROCK · ROCK OUT CROP · BH = CORE BORING

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

SOUTH BRANCH DAM

NO. 28-A

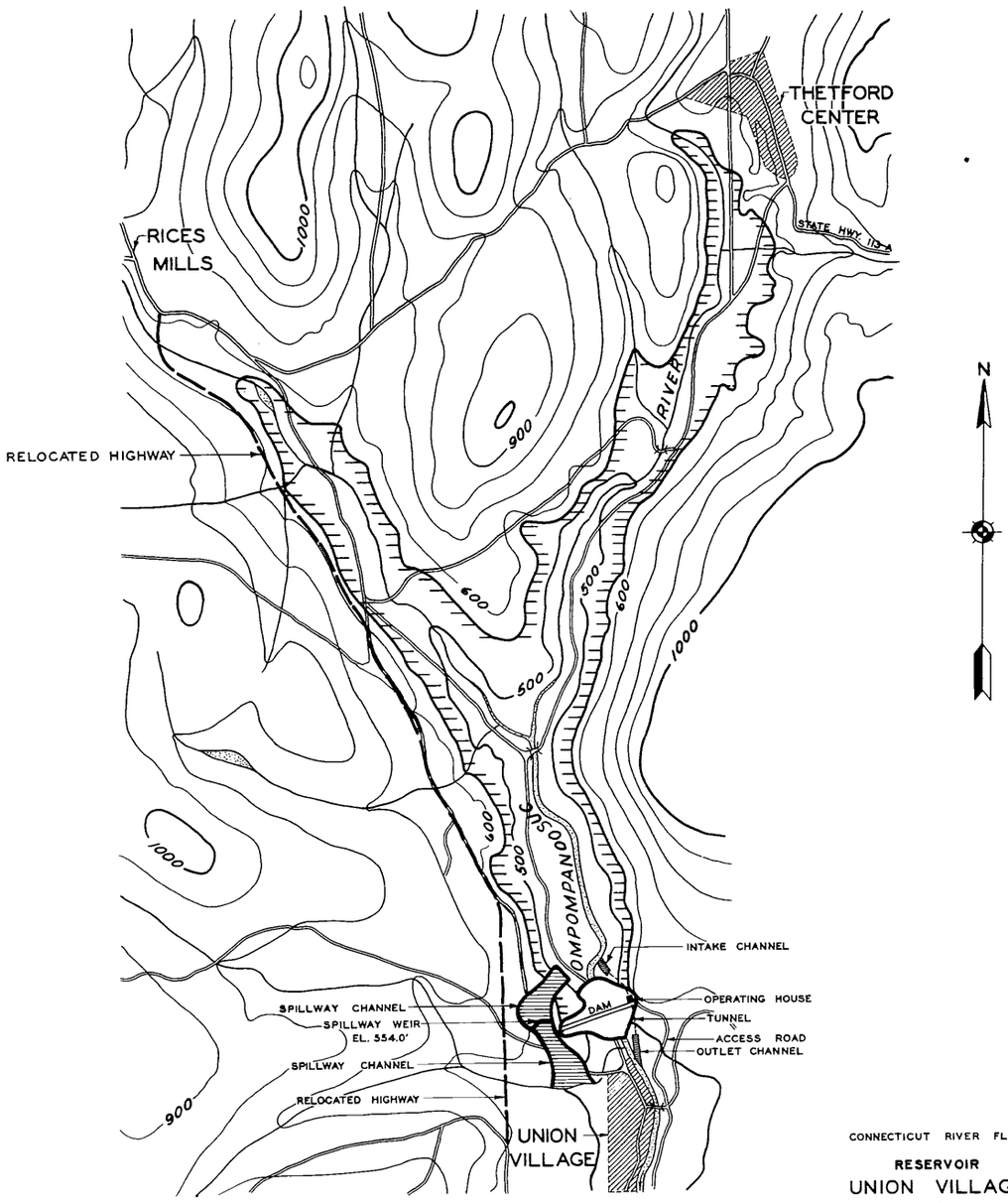
WAITS RIVER WATERSHED, VERMONT

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 3

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY: D.P. | TO ACCOMPANY: REPORT | FILE NO.



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

UNION VILLAGE DAM

NO. 48

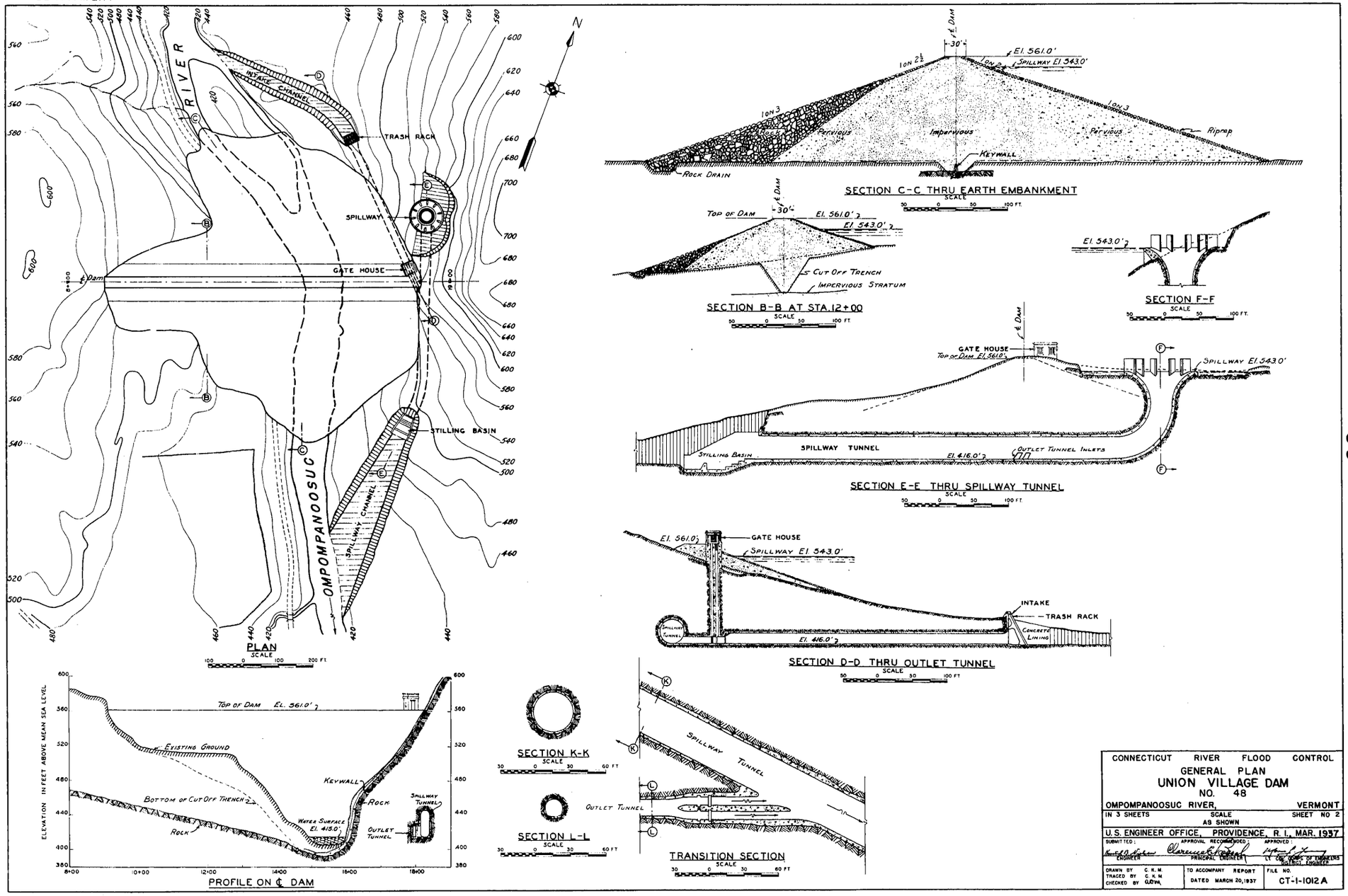
OMPOMPANOOSUC R., VERMONT

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

0 1/4 1/2 MI.



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

UNION VILLAGE DAM

NO. 48

OMPOMPANOOSUC RIVER, VERMONT

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 2

U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

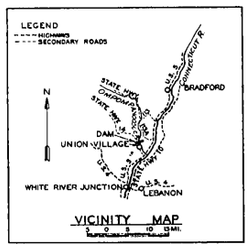
DRAWN BY C. K. M.
TRACED BY C. K. M.
CHECKED BY G.D.W.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

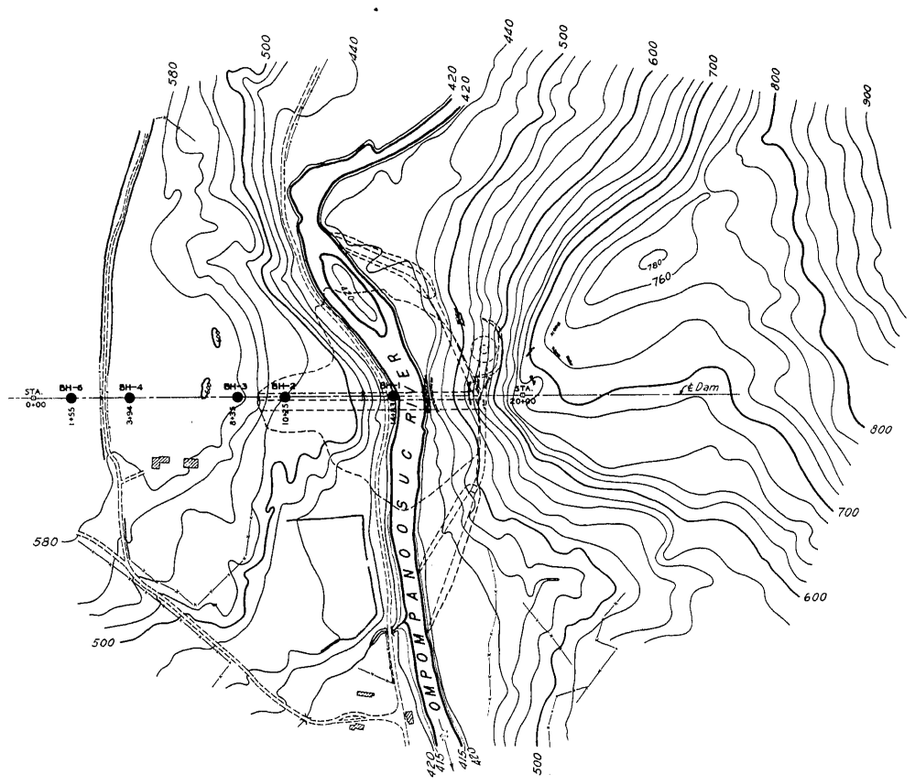
FILE NO. CT-1-1012 A

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



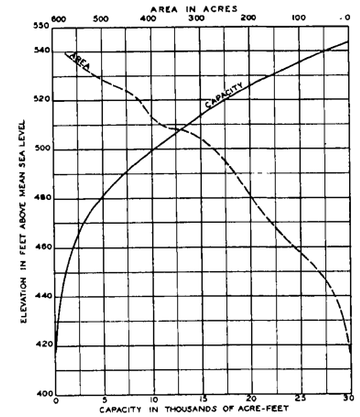
VICINITY MAP



PLAN

SCALE

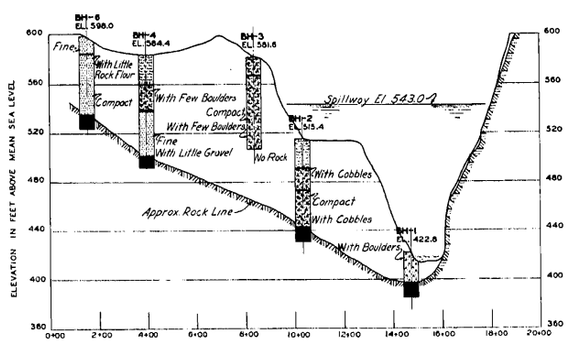
200 0 200 400 FT.



AREA AND CAPACITY CURVES

NOTE:

IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.2 MILES WEST OF RIGHT ABUTMENT. PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM AND DOWNSTREAM ON RIGHT BANK.



PROFILE ON ℄ DAM

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
ROCK OUTCROP
BH = CORE BORE HOLE

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

UNION VILLAGE DAM

NO. 48

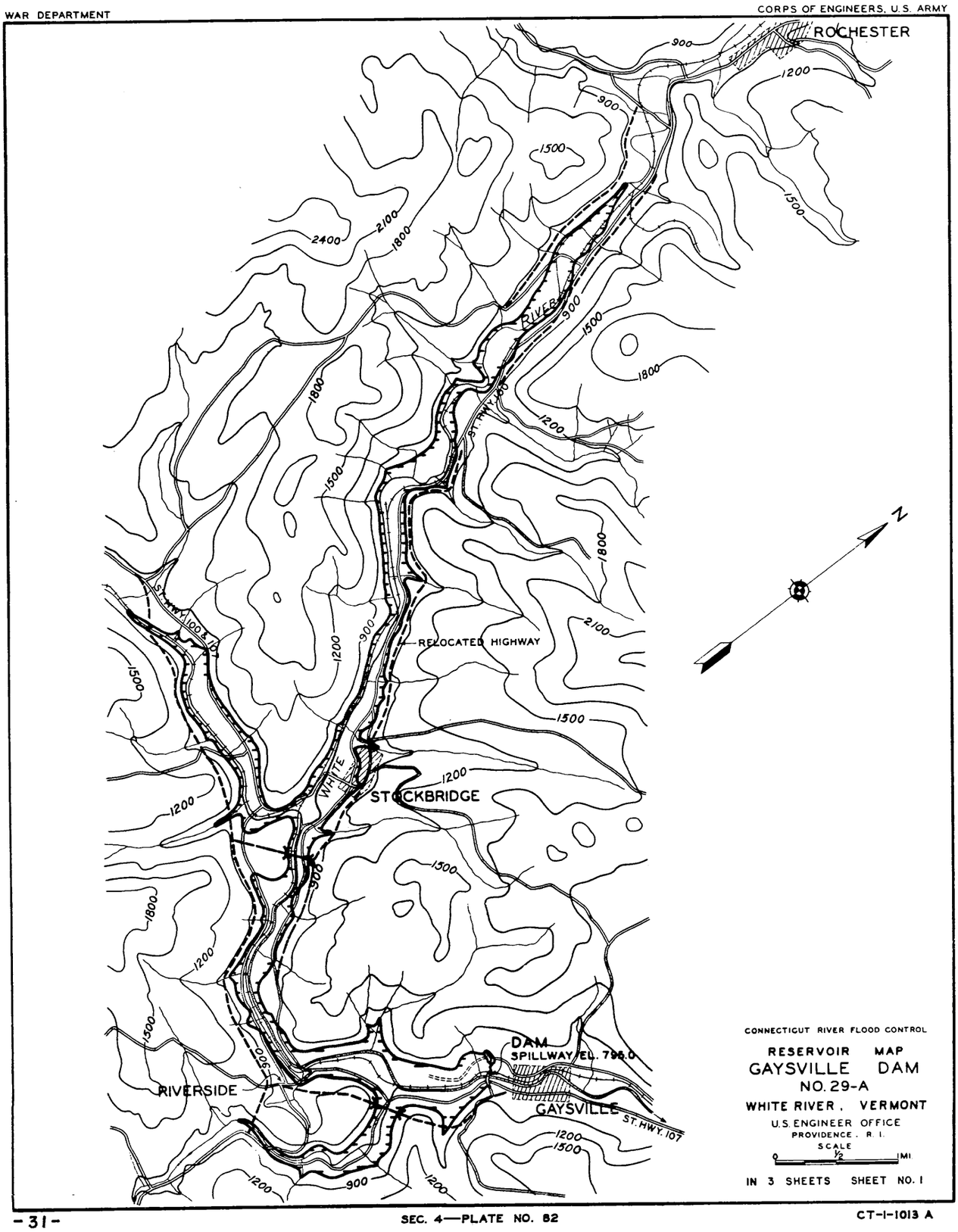
OMPOMPANOOSUC RIVER, VERMONT

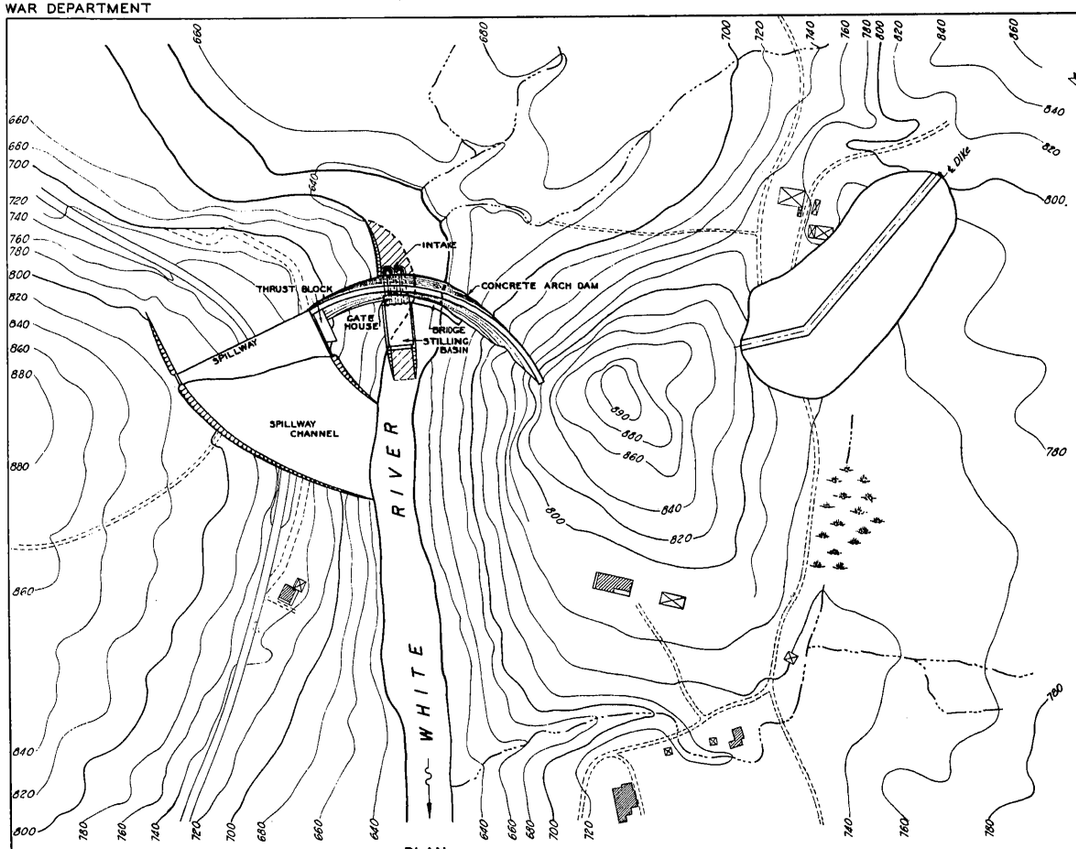
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 3

U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

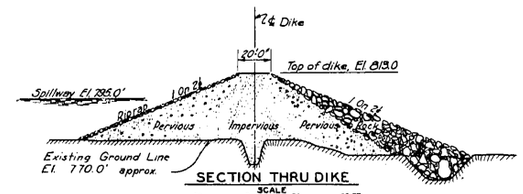
SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS, DIST. ENGINEER

DRAWN BY D.P. TRACED BY J.C. CHECKED BY J.H.U. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-2-1005A

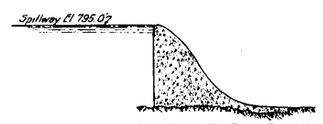

ROCHESTER
RIVER
ST. HWY. 100
RELOCATED HIGHWAY
WHITE
STOCKBRIDGE
DAM
SPILLWAY EL. 795.0
RIVERSIDE
GAYSVILLE
ST. HWY. 107
N
900
1200
1500
1800
2100
2400
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
GAYSVILLE DAM
NO. 29-A
WHITE RIVER, VERMONT
U.S. ENGINEER OFFICE
PROVIDENCE, R. I.
SCALE
0 1/2 1 MI.
IN 3 SHEETS SHEET NO. 1



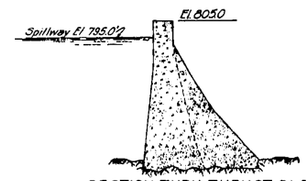
PLAN
SCALE 100 0 100 200 FT



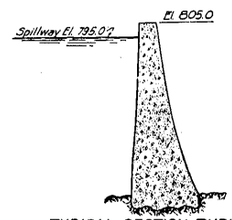
SECTION THRU DIKE
SCALE 30 0 30 60 FT.



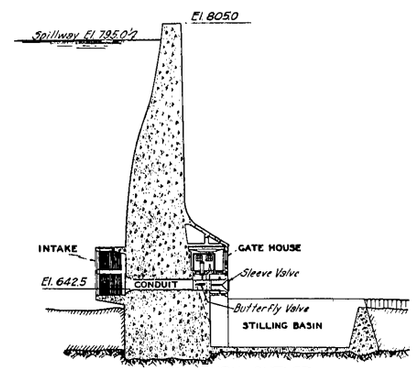
SECTION THRU SPILLWAY
SCALE 30 0 30 60 FT.



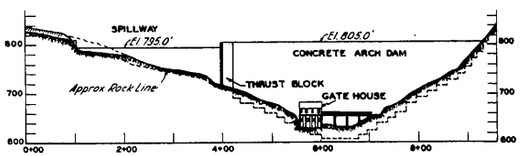
SECTION THRU THRUST BLOCK
SCALE 30 0 30 60 FT.



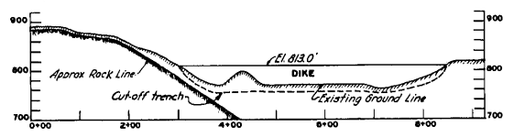
TYPICAL SECTION THRU ARCH
SCALE 30 0 30 60 FT.



SECTION THRU OUTLET
SCALE 30 0 30 60 FT.



DOWNSTREAM ELEVATION
(DEVELOPED)



PROFILE ON ℄ DIKE

CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
GAYSVILLE DAM
NO. 29-A

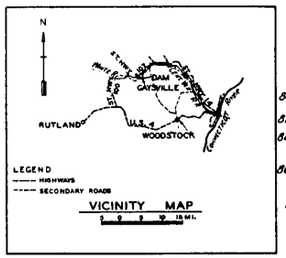
WHITE RIVER, VERMONT

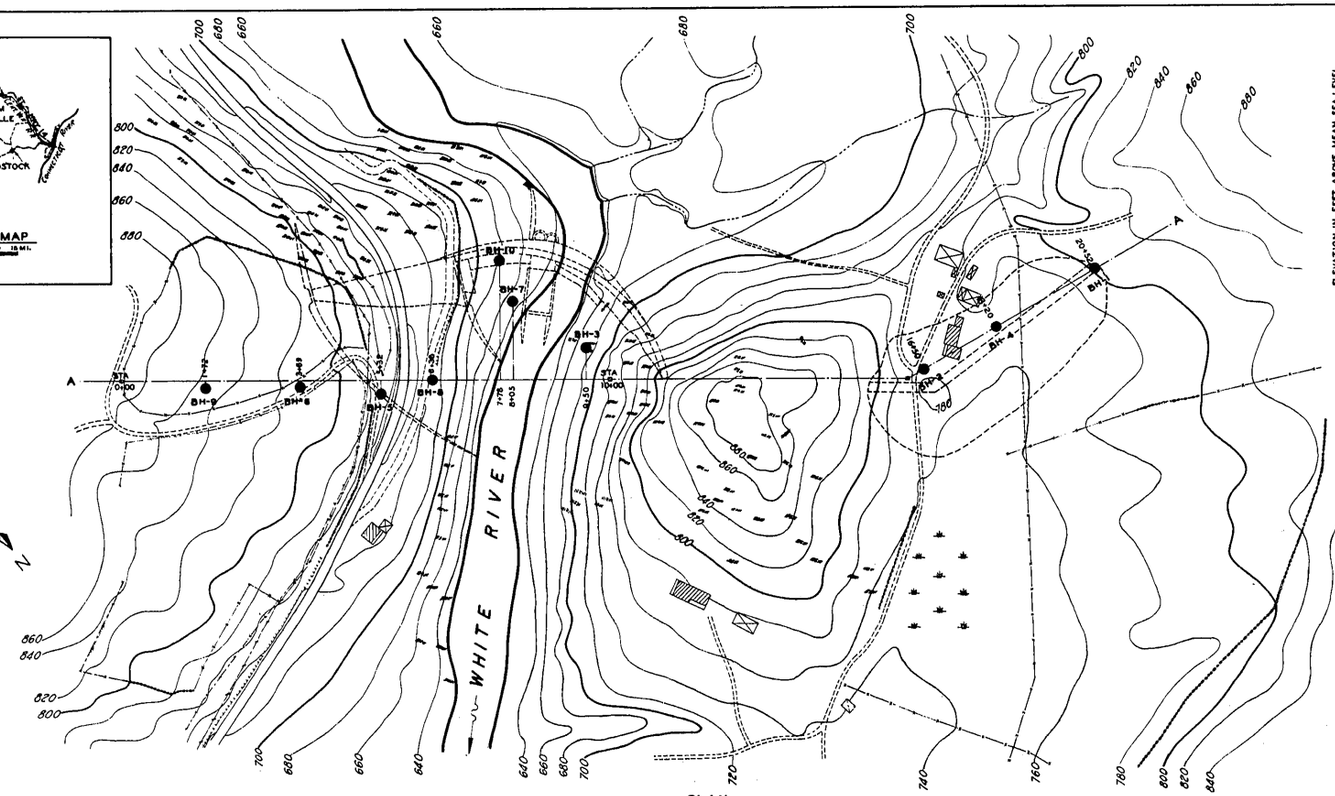
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

U. S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY F.D.G.M. TRACED BY J.G.P. CHECKED BY G.D.M. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-1-1014A

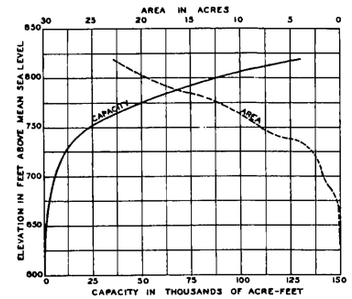




PLAN

SCALE

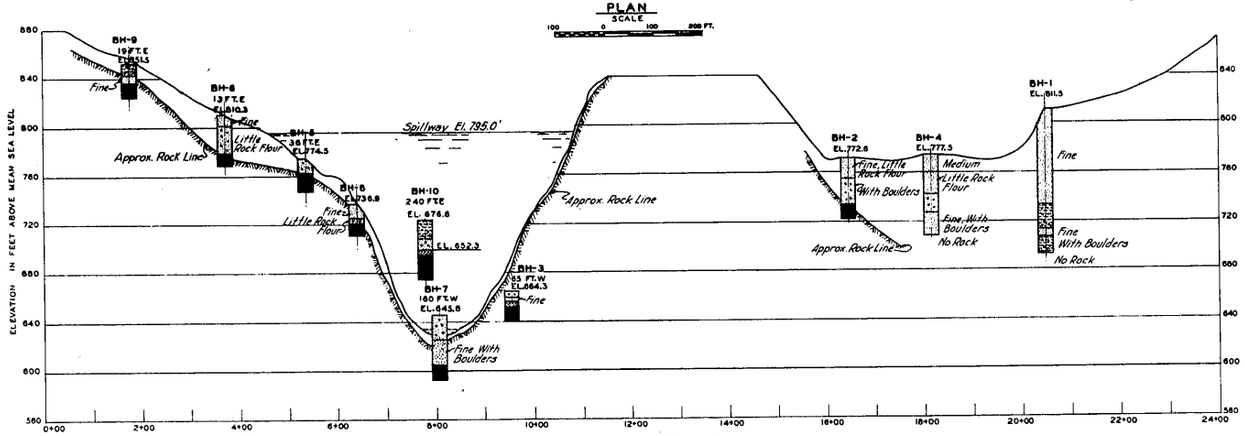
100 0 100 200 FT.



AREA AND CAPACITY CURVES

NOTE:

CONCRETE AGGREGATE AVAILABLE WITHIN 0.5 MILES UPSTREAM AND DOWNSTREAM. BORROW MATERIAL FOR EARTH EMBANKMENT AVAILABLE WITHIN 0.25 MILES DOWNSTREAM FROM DIKE SITE.



PROFILE ON LINE "A-A"

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
ROCK OUT-CROP
BH=CORE BORE HOLE

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

GAYSVILLE DAM

NO. 29-A

WHITE RIVER, VERMONT

IN 3 SHEETS SCALE AS SHOWN SHEET NO. 3

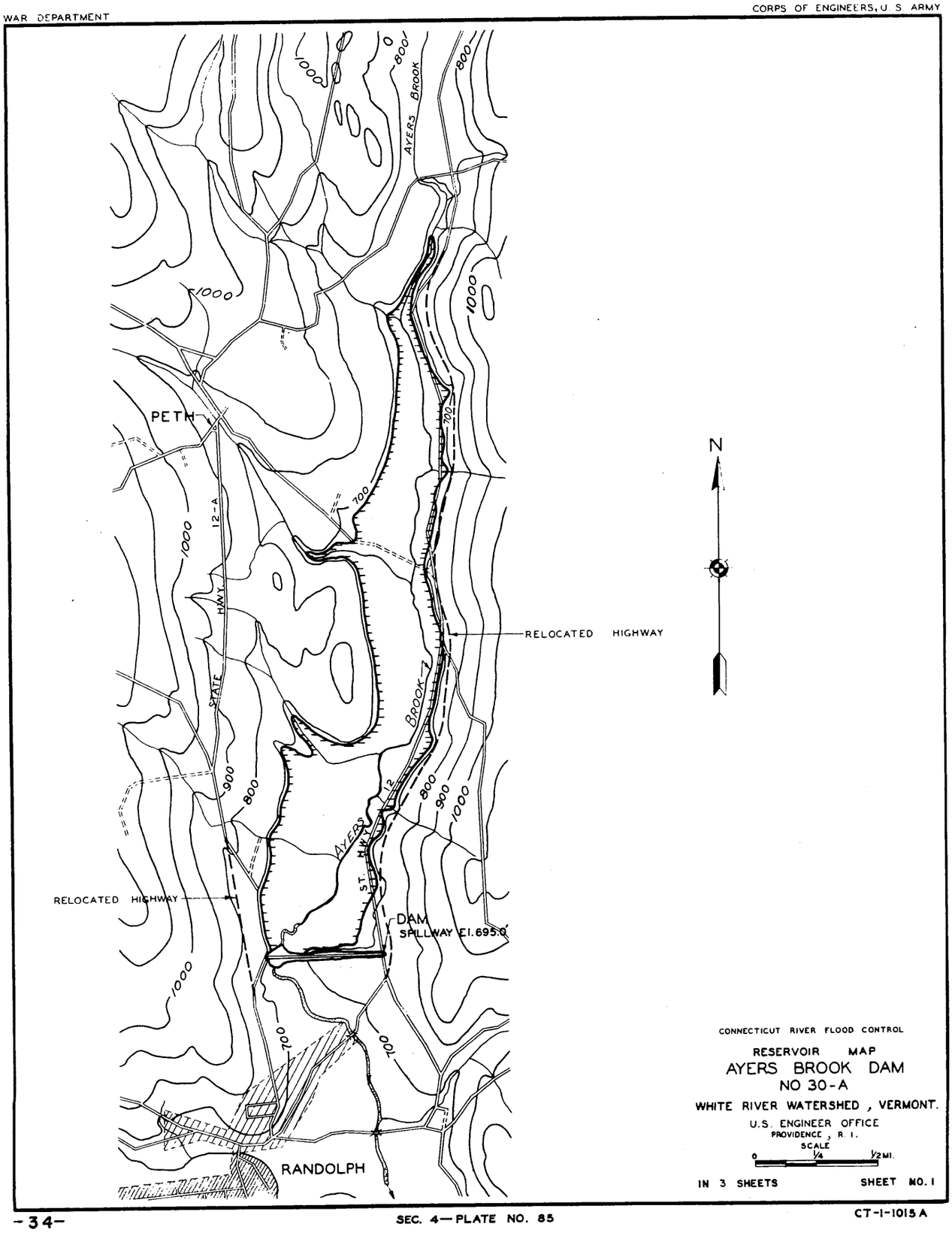
U. S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

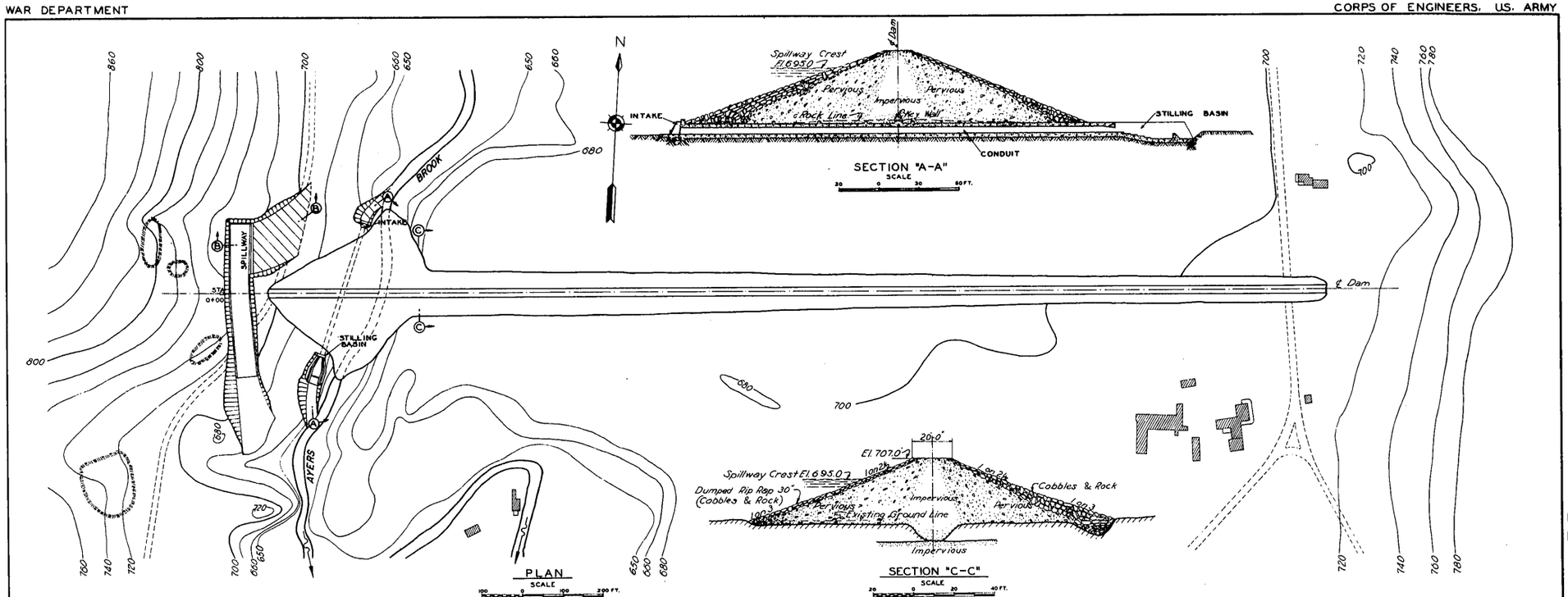
SUBMITTED: GEOLOGIST — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

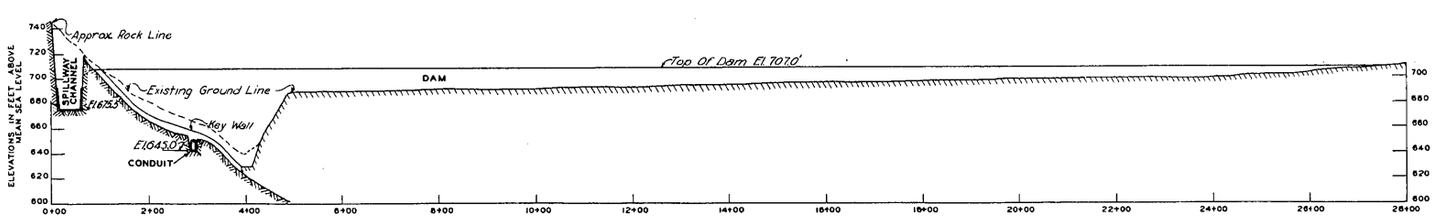
DRAWN BY G. P. TRACED BY G. G. P. CHECKED BY J. W. A.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

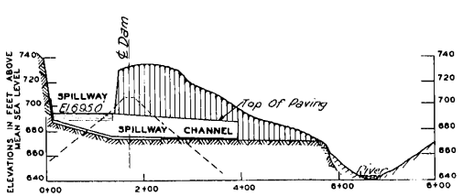
FILE NO. CT-2-1006A


AYERS BROOK
PETH
STATE HWY 12-A
RELOCATED HIGHWAY
BROOK
AYERS
ST. HWY 12
RELOCATED HIGHWAY
DAM
SPILLWAY El. 695.0'
RANDOLPH
1000
900
800
700
N
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
AYERS BROOK DAM
NO 30-A
WHITE RIVER WATERSHED, VERMONT.
U.S. ENGINEER OFFICE
PROVIDENCE, R. I.
SCALE
0 1/4 1/2 MI.
IN 3 SHEETS
SHEET NO. 1

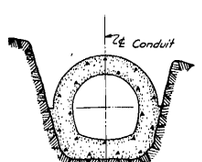




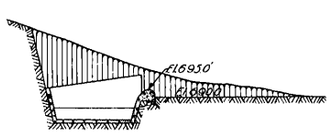
PROFILE ON ℄ OF DAM



PROFILE ON ℄ OF SPILLWAY CHANNEL



SECTION THRU CONDUIT
SCALE
5 0 5 10 FT.



SECTION "B-B"
SCALE
30 0 30 60 FT.

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN
AYERS BROOK DAM
NO. 30-A

WHITE RIVER WATERSHED, VERMONT

IN 3 SHEETS SCALE AS SHOWN SHEET NO 2

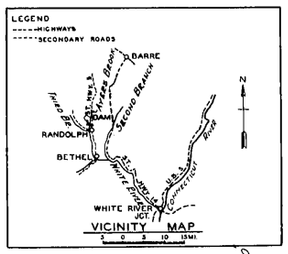
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

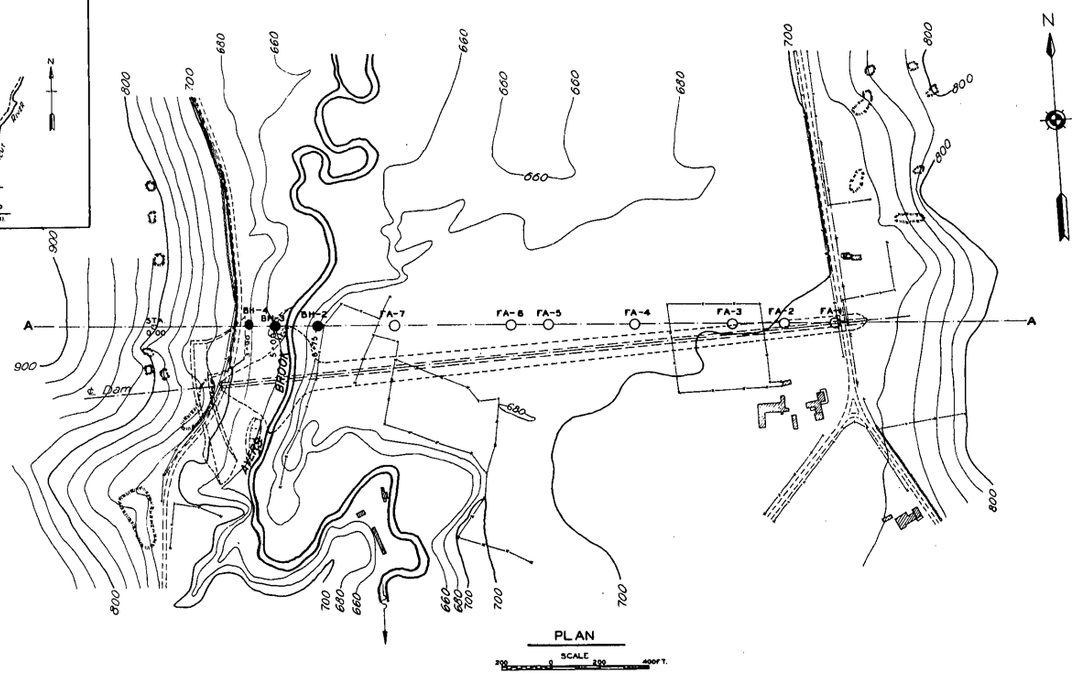
DRAWN BY P.J.G. TRACED BY P.J.G. TO ACCOMPANY REPORT DATED MARCH 20, 1937 FILE NO. CT-1-101.6A

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

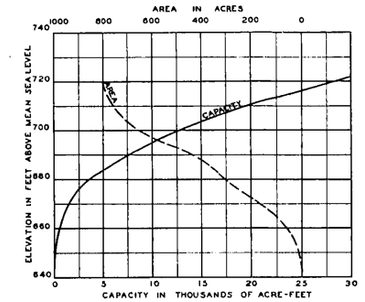


VICINITY MAP

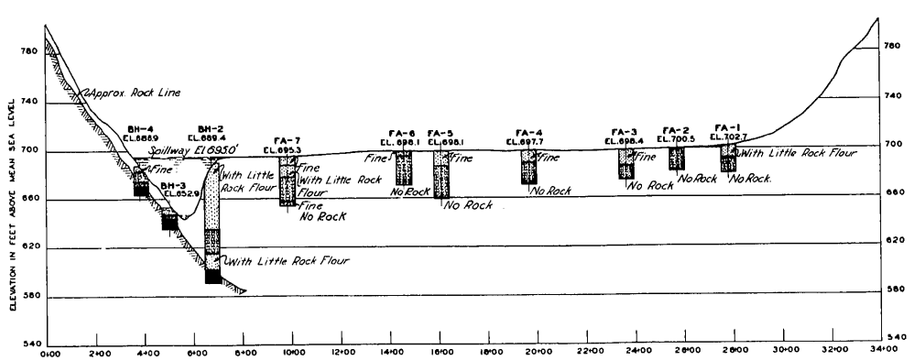


PLAN

SCALE



AREA AND CAPACITY CURVES



PROFILE ON LINE "A-A"

LEGEND

SAND

SILT OR ROCK FLOUR

CLAY

GRAVEL

METAMORPHIC ROCK

WEATHERED OR FRACTURED ROCK

ROCK OUT CROP

● BH = CORE BORE HOLE

○ FA = AUGER BORING

NOTE:

IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM AND DOWNSTREAM ON LEFT BANK. PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES DOWNSTREAM ON RIGHT BANK.

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

AYERS BROOK DAM

NO. 30-A

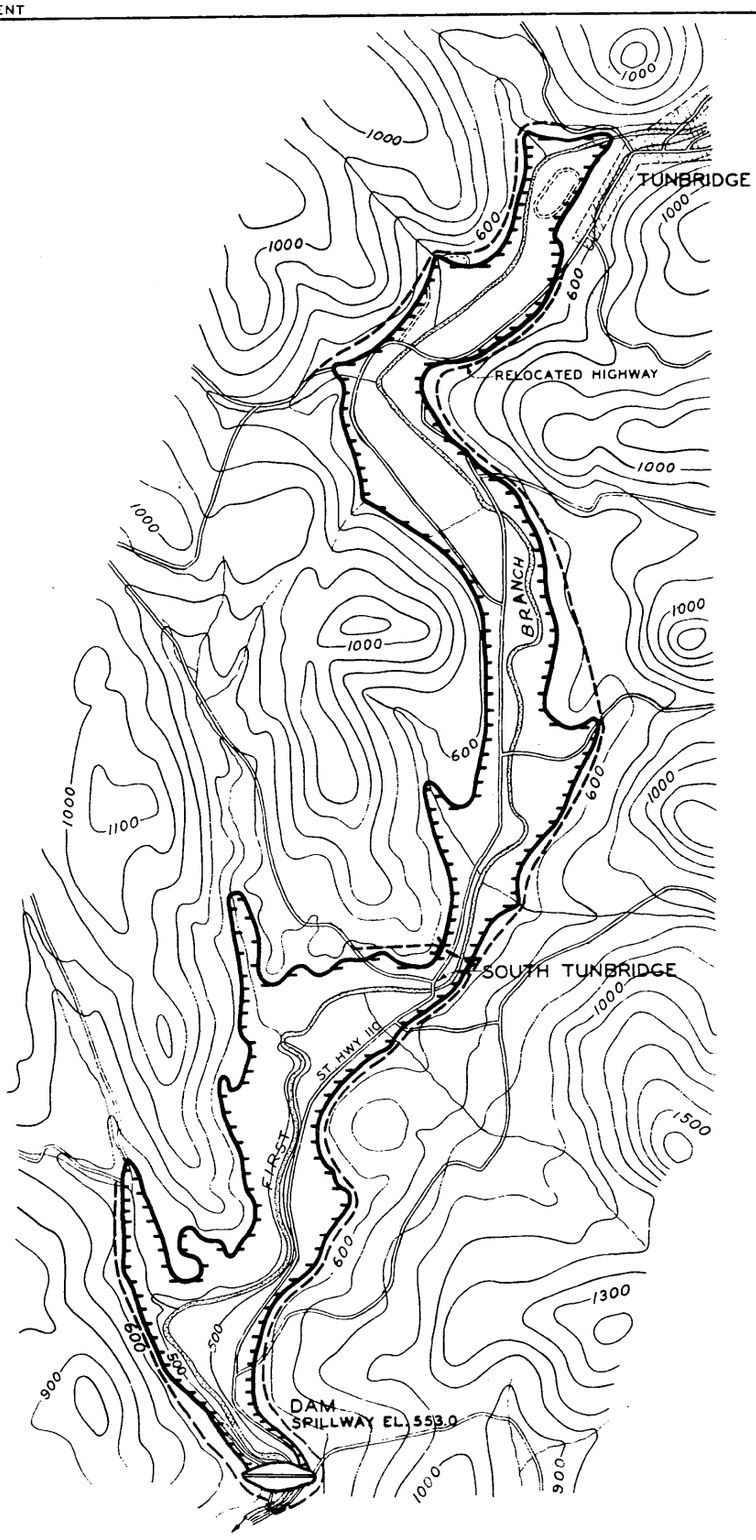
WHITE RIVER WATERSHED, VERMONT

IN 3 SHEETS SCALE AS SHOWN SHEET NO 3

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: GEOLOGIST — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY O.P. TRACED BY P.J.G. CHECKED BY A.M.R. — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-2-1007A



N

CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

SOUTH TUNBRIDGE DAM

NO 49-A

WHITE RIVER WATERSHED, VERMONT

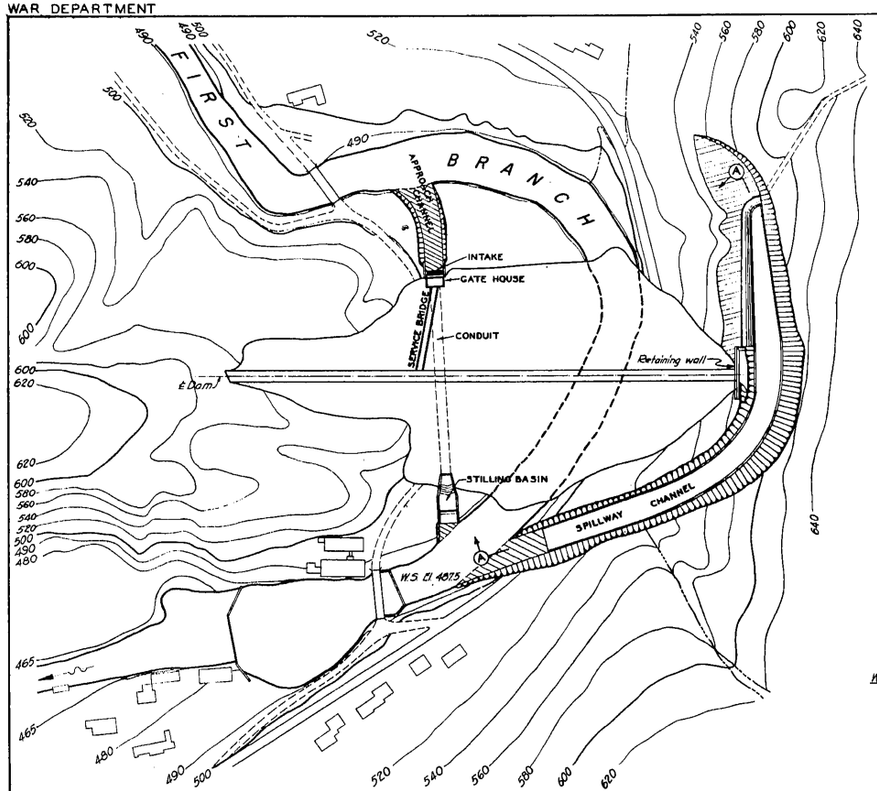
U S ENGINEER OFFICE
PROVIDENCE, R.I.

SCALE
0 ¼ ½ MI.

IN 3 SHEETS SHEET NO 1

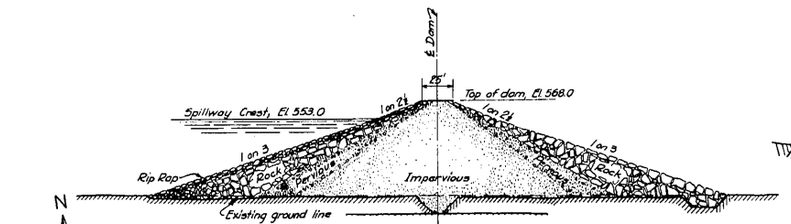
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



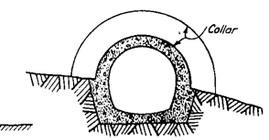
PLAN

SCALE 100 0 100 200 FT.



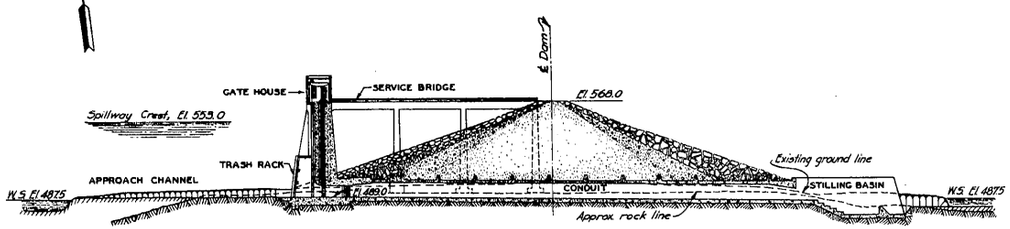
TYPICAL SECTION OF DAM

SCALE 40 0 40 80 FT.



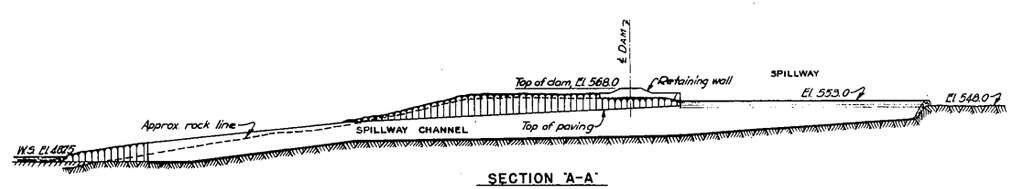
SECTION THRU CONDUIT

SCALE 10 0 10 20 FT.



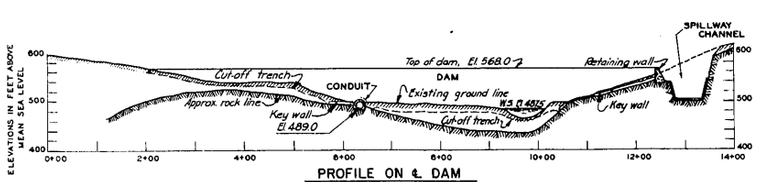
SECTION ON ℄ CONDUIT

SCALE 40 0 40 80 FT.



SECTION "A-A"

SCALE 60 0 60 120 FT.



PROFILE ON ℄ DAM

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

SOUTH TUNBRIDGE DAM

NO. 49-A

WHITE RIVER WATERSHED, VERMONT

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

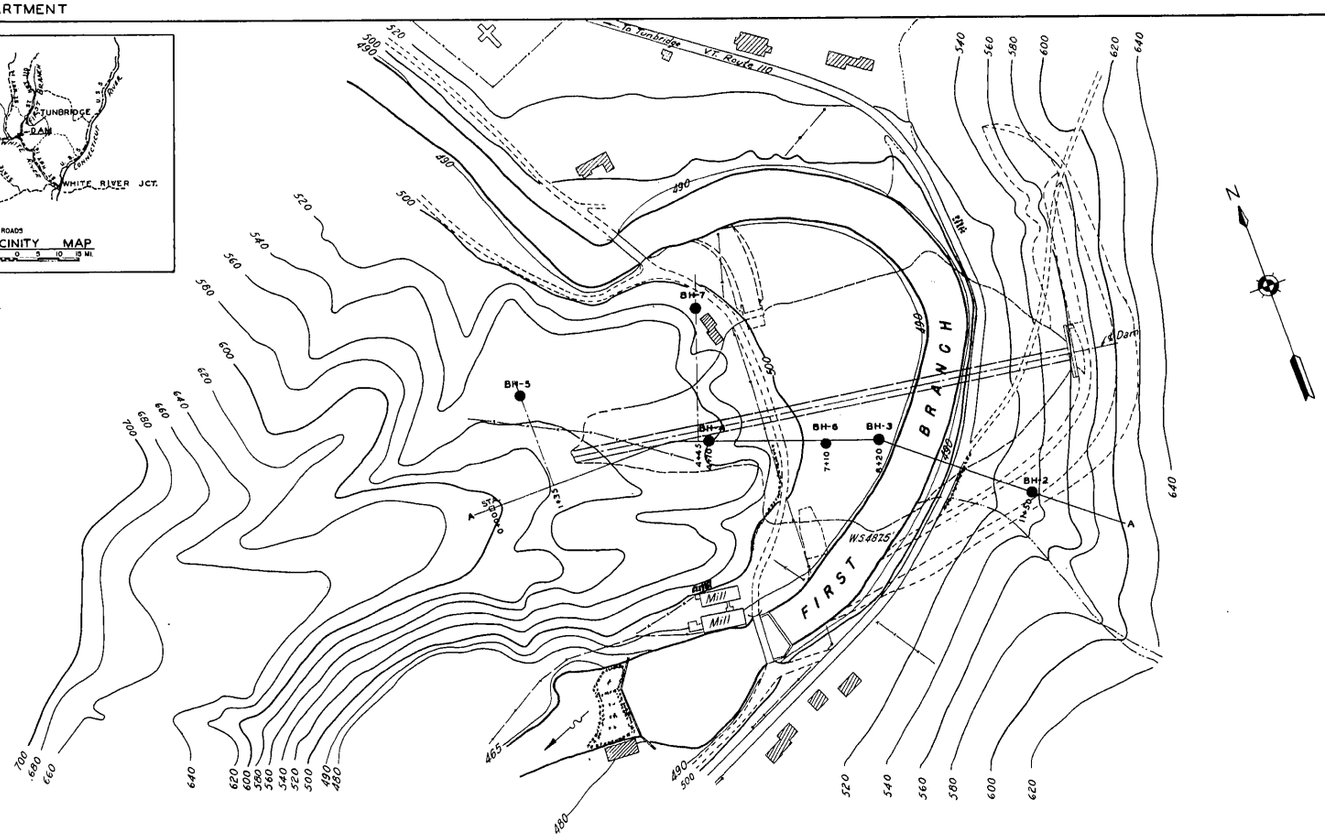
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: CHIEF OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY F.O.G.M. TRACED BY F.O.G.M. | TO ACCOMPANY REPORT | FILE NO.

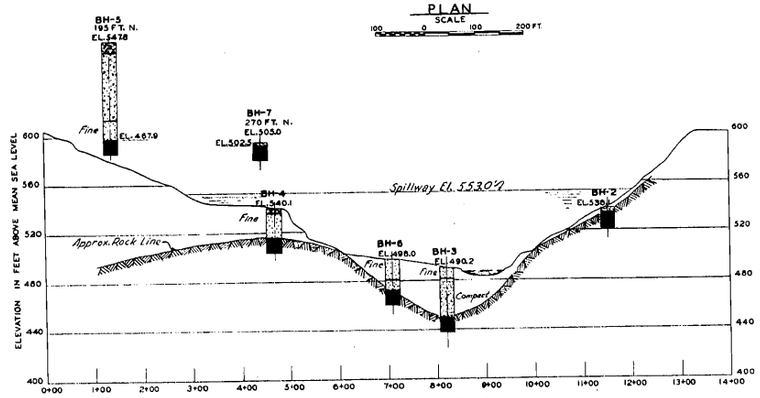
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

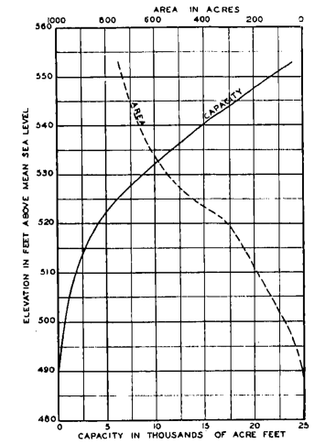


PLAN

SCALE



PROFILE ON LINE "A-A"



AREA AND CAPACITY CURVES

NOTE.
PERVIOUS MATERIAL AVAILABLE WITHIN 0.25 MILES DOWNSTREAM ON RIGHT BANK. IMPERVIOUS MATERIAL FOR EMBANKMENT AVAILABLE WITHIN 0.5 MILES UPSTREAM ON RIGHT BANK.

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
ROCK OUT-CROP
BH = CORE BORE HOLE

CONNECTICUT RIVER FLOOD CONTROL
GEOLOGY
SOUTH TUNBRIDGE DAM
NO. 49-A
WHITE RIVER WATERSHED, VERMONT

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 3

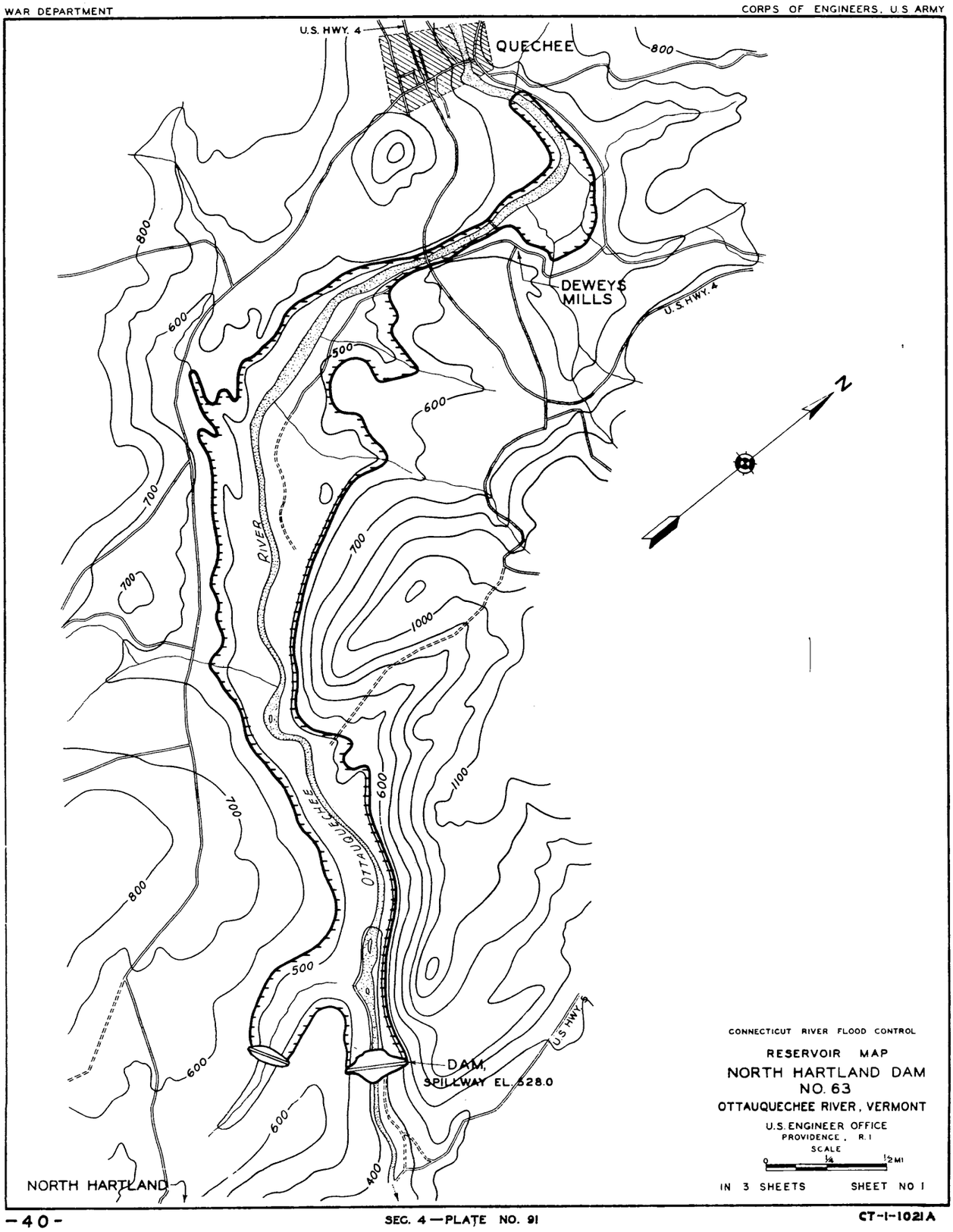
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

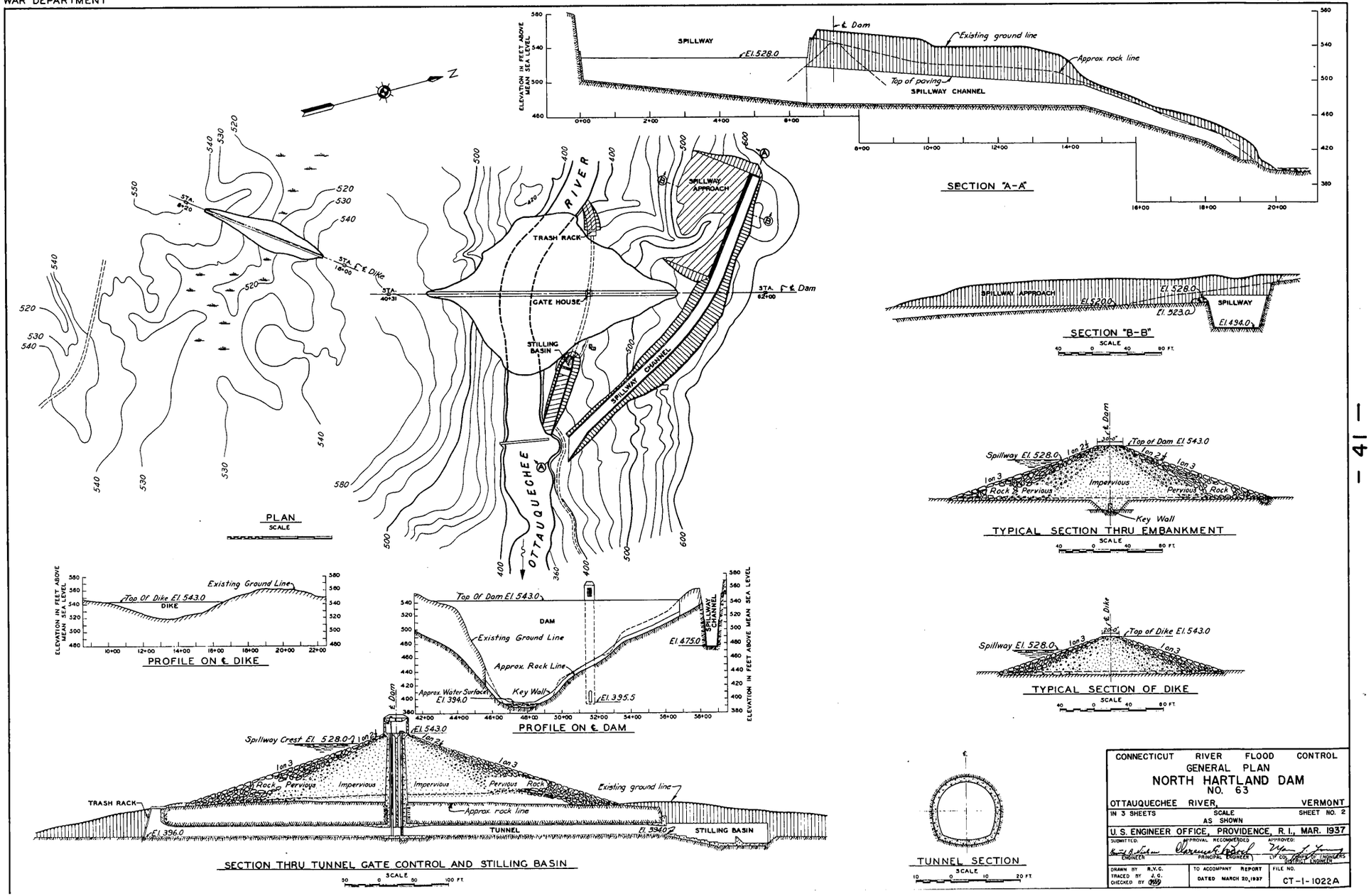
SUBMITTED: Frank E. Fahlgren, GEOLOGIST
APPROVAL RECOMMENDED: Clarence E. Lobach, PRINCIPAL ENGINEER
APPROVED: Wayne G. Sherrerd, LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY D.P.
TRACED BY V.A.T.
CHECKED BY J.M.F.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

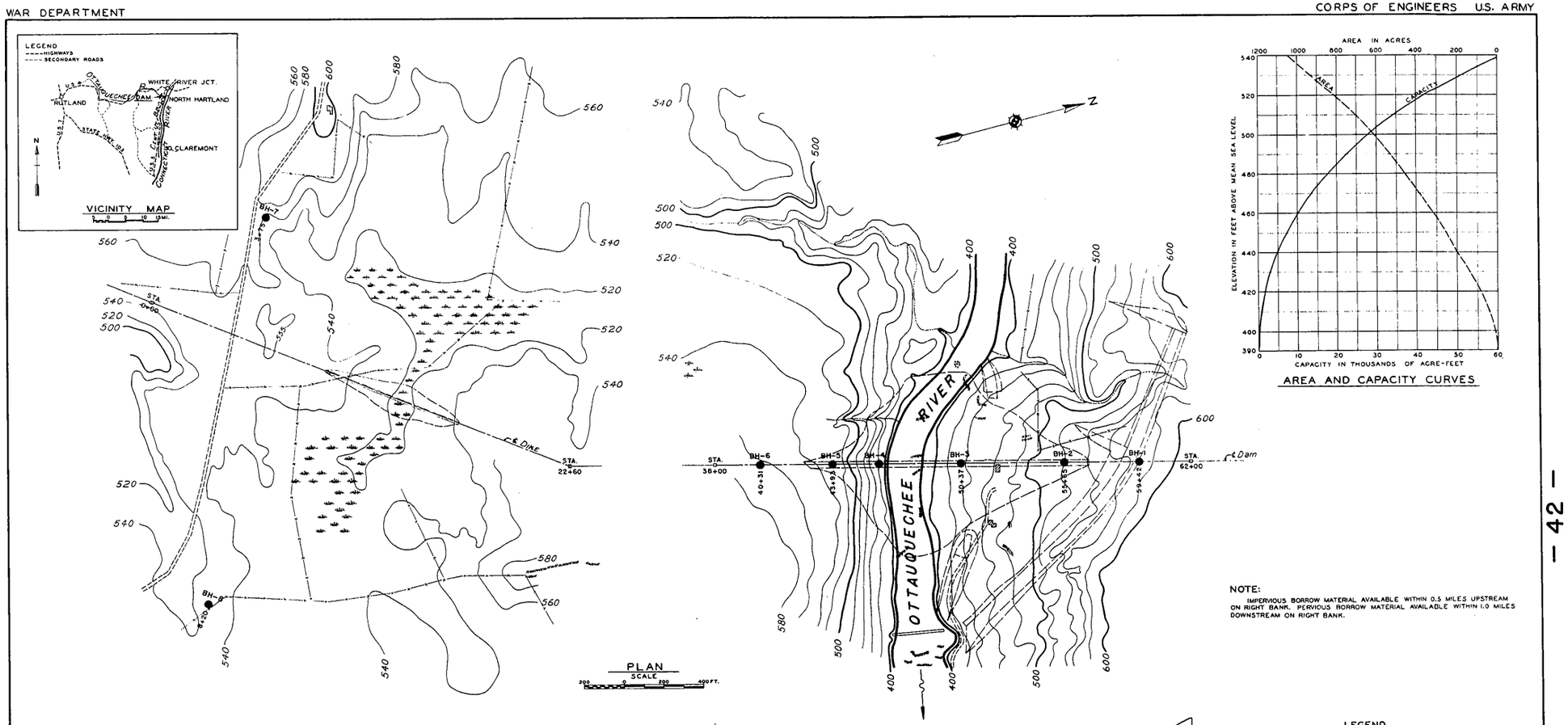
FILE NO. CT-2-1009A


U.S. HWY. 4
QUECHEE
800
DEWEYS MILLS
U.S. HWY. 4
800
600
500
600
700
700
700
1000
RIVER
OTTAUQUECHEE
600
1100
700
800
500
600
600
400
DAM,
SPILLWAY EL. 528.0
U.S. HWY. 4
NORTH HARTLAND
N
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
NORTH HARTLAND DAM
NO. 63
OTTAUQUECHEE RIVER, VERMONT
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 ¼ ½ MI
IN 3 SHEETS SHEET NO 1

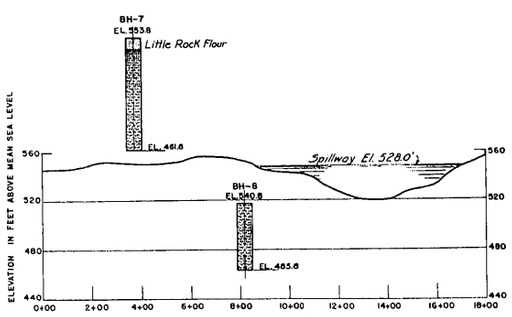

SECTION "A-A"
SPILLWAY
El. 528.0
℄ Dam
Existing ground line
Approx. rock line
Top of paving
SPILLWAY CHANNEL
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
PLAN
SCALE
N
RIVER
OTTAUQUECHEE
TRASH RACK
GATE HOUSE
STILLING BASIN
SPILLWAY APPROACH
SPILLWAY CHANNEL
STA. 40+31
STA. ℄ Dam 62+00
STA. ℄ E Dike 18+00
SECTION "B-B"
SPILLWAY APPROACH
El. 520.0
El. 523.0
El. 528.0
SPILLWAY
El. 494.0
TYPICAL SECTION THRU EMBANKMENT
Top of Dam El. 543.0
Spillway El. 528.0
Impervious
Rock & Pervious
Pervious Rock
Key Wall
TYPICAL SECTION OF DIKE
Top of Dike El. 543.0
Spillway El. 528.0
PROFILE ON ℄ DIKE
Existing Ground Line
Top Of Dike El. 543.0
DIKE
PROFILE ON ℄ DAM
Top Of Dam El. 543.0
DAM
Existing Ground Line
Approx. Rock Line
Approx. Water Surface El. 394.0
Key Wall
El. 395.5
El. 475.0
SPILLWAY CHANNEL
SECTION THRU TUNNEL GATE CONTROL AND STILLING BASIN
Spillway Crest El. 528.0
El. 543.0
Rock & Pervious
Impervious
Pervious Rock
Existing ground line
TRASH RACK
Approx. rock line
El. 396.0
TUNNEL
El. 394.0
STILLING BASIN
TUNNEL SECTION
SCALE
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
NORTH HARTLAND DAM
NO. 63
OTTAUQUECHEE RIVER, VERMONT
IN 3 SHEETS
SCALE AS SHOWN
SHEET NO. 2
U. S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937
SUBMITTED:
APPROVAL RECOMMENDED:
APPROVED:
ENGINEER
PRINCIPAL ENGINEER
LT. COL., CORPS OF ENGINEERS
DIVISION ENGINEER
DRAWN BY R.V.C.
TRACED BY J.G.
CHECKED BY
TO ACCOMPANY REPORT
DATED MARCH 20, 1937
FILE NO.
CT-1-1022A

WAR DEPARTMENT

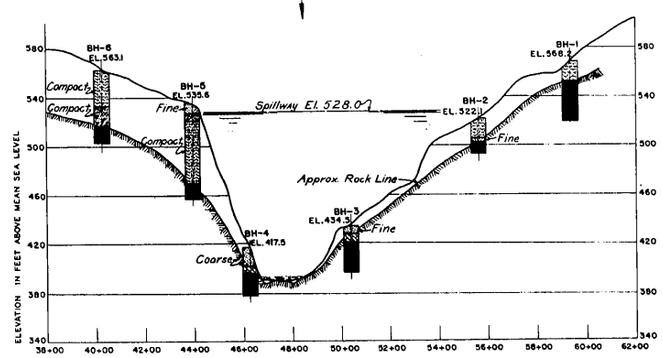
CORPS OF ENGINEERS U.S. ARMY



NOTE:
IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM ON RIGHT BANK. PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 1.0 MILES DOWNSTREAM ON RIGHT BANK.



PROFILE ON ℄ DIKE



PROFILE ON ℄ DAM

LEGEND

SAND | SILT OR ROCK FLOUR | CLAY

GRAVEL | METAMORPHIC ROCK | WEATHERED OR FRACTURED ROCK

ROCK OUT-CROP

● BH = CORE BORE HOLE

CONNECTICUT RIVER FLOOD CONTROL
GEOLOGY
NORTH HARTLAND DAM
NO. 63

OTTAUQUECHEE RIVER — VERMONT

IN 3 SHEETS — SCALE AS SHOWN — SHEET NO. 3

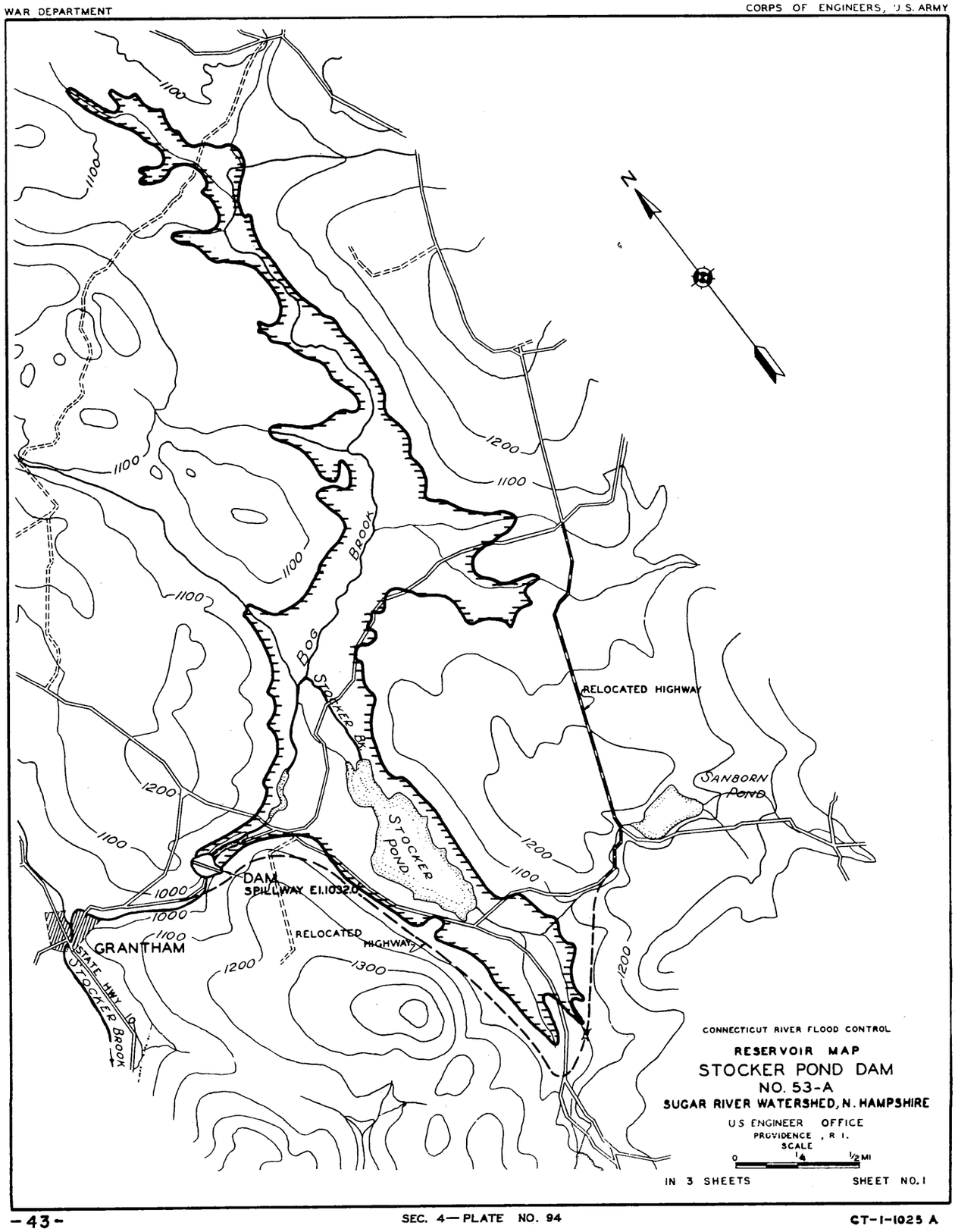
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

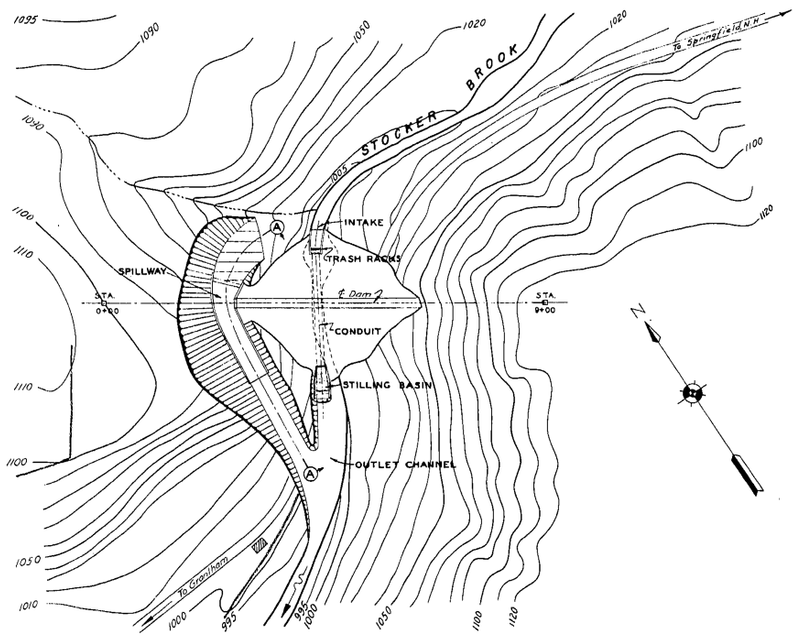
SUBMITTED: Frank E. Fahlgren, GEOLOGIST — APPROVAL RECOMMENDED: Clarence A. Fisher, PRINCIPAL ENGINEER — APPROVED: Wayne J. Young, LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY D.P.
TRACED BY J.C.
CHECKED BY J.M.D.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-2-1010A

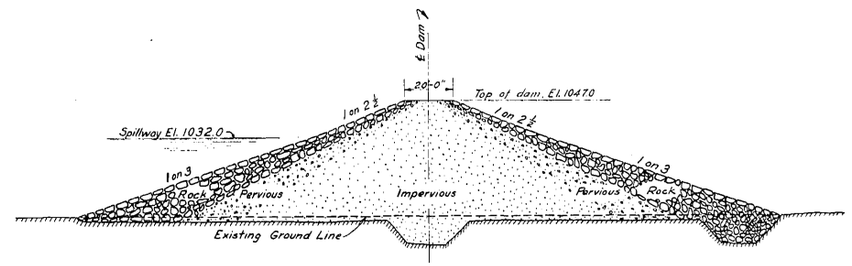

N
1100
1200
1000
1300
BOG BROOK
STOCKER BK.
STOCKER POND
SANBORN POND
RELOCATED HIGHWAY
DAM
SPILLWAY EL.1032.0
RELOCATED HIGHWAY
GRANTHAM
STATE HWY 10
STOCKER BROOK
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
STOCKER POND DAM
NO. 53-A
SUGAR RIVER WATERSHED, N. HAMPSHIRE
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 1/4 1/2 MI
IN 3 SHEETS
SHEET NO. 1



PLAN

SCALE

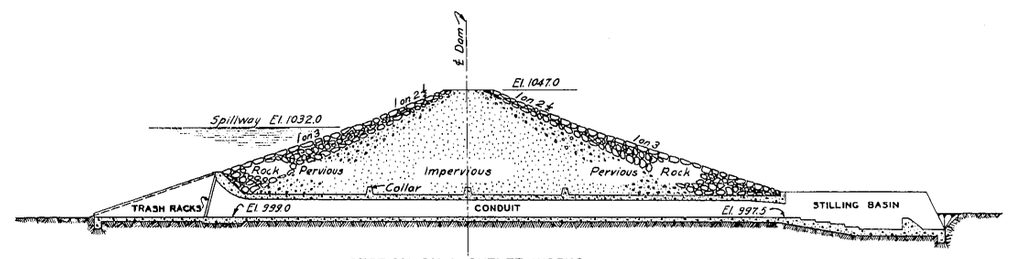
100 0 100 200 FT.



TYPICAL SECTION THRU DAM

SCALE

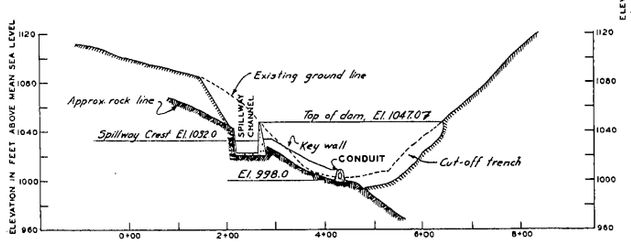
20 0 20 40 FT.



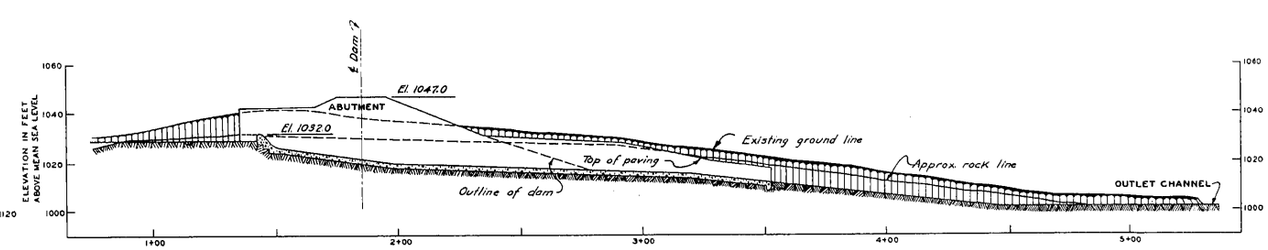
SECTION ON ℄ OUTLET WORKS

SCALE

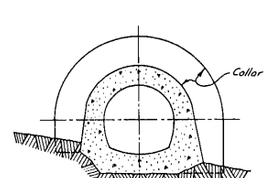
20 0 20 40 FT.



PROFILE ON ℄ DAM



SECTION A-A



SECTION THRU CONDUIT

SCALE

0 5 10 FT.

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

STOCKER POND DAM

NO. 53-A

SUGAR RIVER WATERSHED, NEW HAMPSHIRE

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

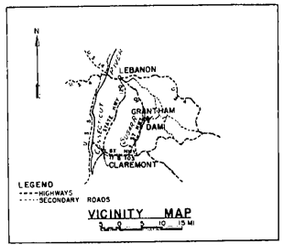
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

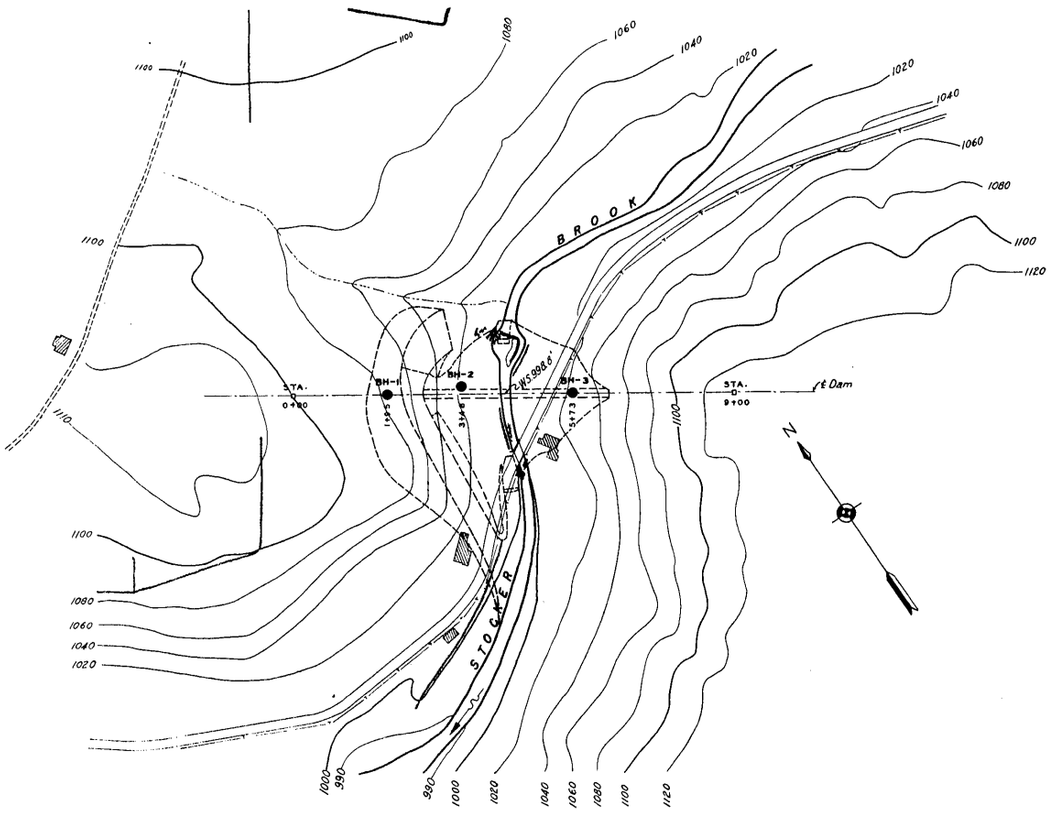
DRAWN BY M.B.M. | TRACED BY J.C.R. V.A.T. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-1-1026A

WAR DEPARTMENT

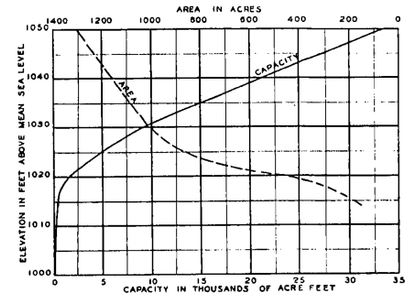
CORPS OF ENGINEERS, U.S. ARMY



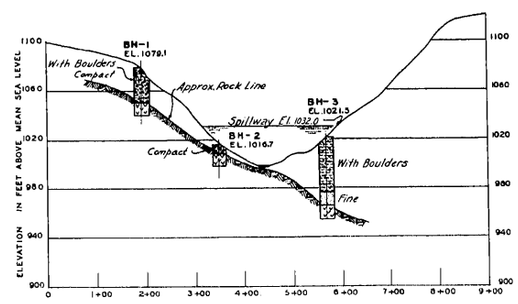
VICINITY MAP



PLAN
SCALE
100 0 100 200 300 FT.



AREA AND CAPACITY CURVES



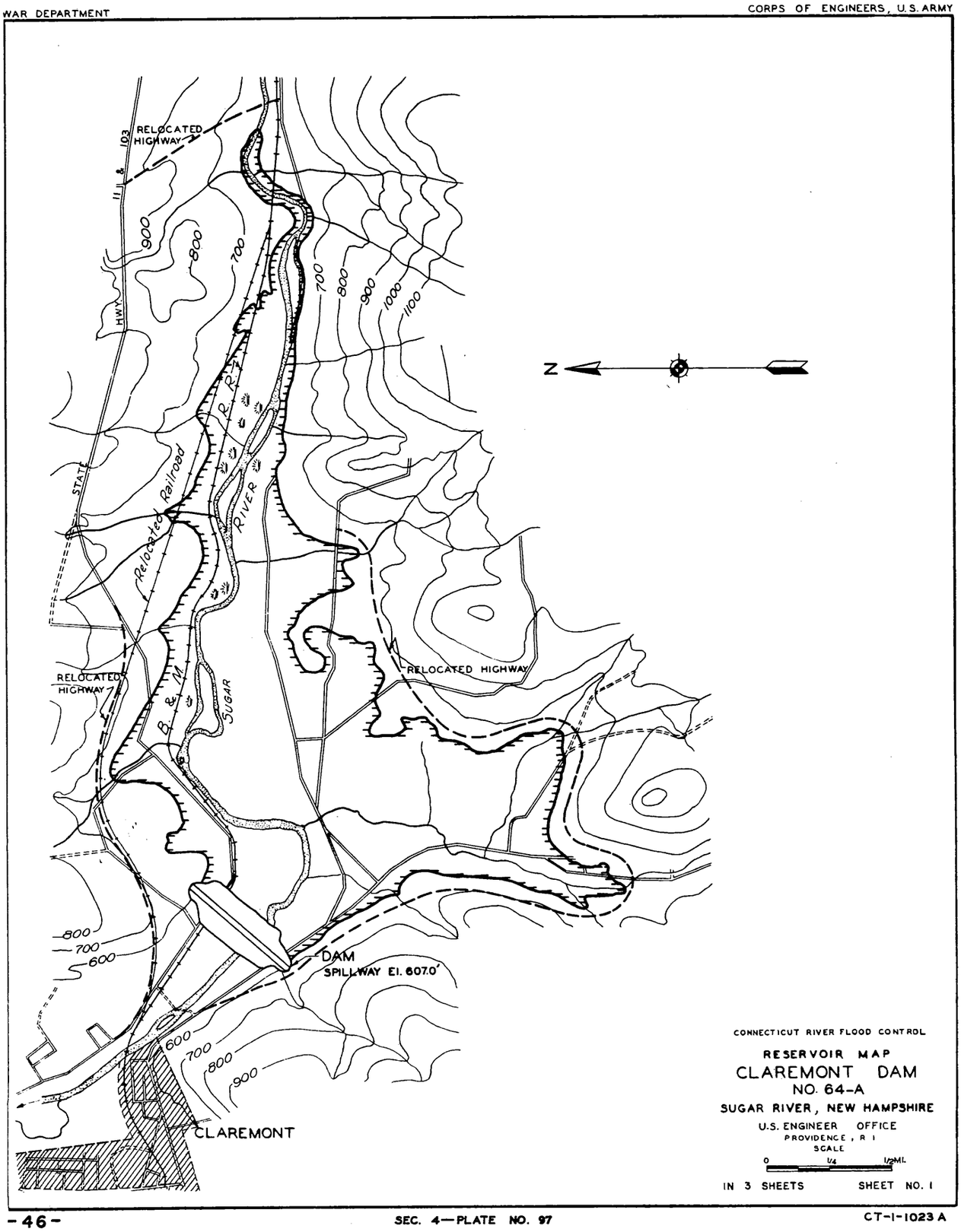
PROFILE ON ℄ DAM

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
GRANITE
ROCK OUT-CROP
BH- CORE BORE HOLE

NOTE-
IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM ON EITHER BANK. PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 1.0 MILE UPSTREAM ON LEFT BANK

CONNECTICUT RIVER FLOOD CONTROL
GEOLOGY
STOCKER POND DAM
NO 53-A
SUGAR RIVER WATERSHED, NEW HAMPSHIRE
IN 3 SHEETS SCALE AS SHOWN SHEET NO. 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED: Frank E. Fallgren, GEOLOGIST
APPROVAL RECOMMENDED: Clarence E. Rasch, PRINCIPAL ENGINEER
APPROVED: Wm. J. Young, LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY D.P.
TRACED BY V.A.T.
CHECKED BY S.M.B.
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-2-1012A



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

CLAREMONT DAM

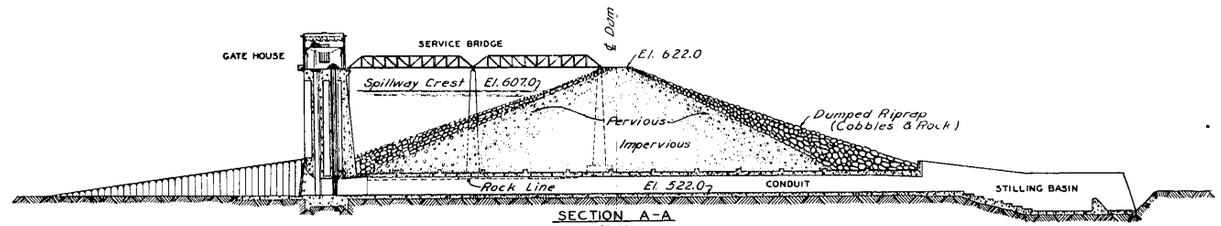
NO. 64-A

SUGAR RIVER, NEW HAMPSHIRE

U.S. ENGINEER OFFICE
PROVIDENCE, R.I.

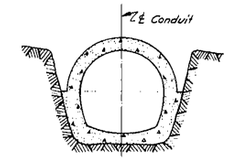
SCALE
0 1/4 1/2 MI.

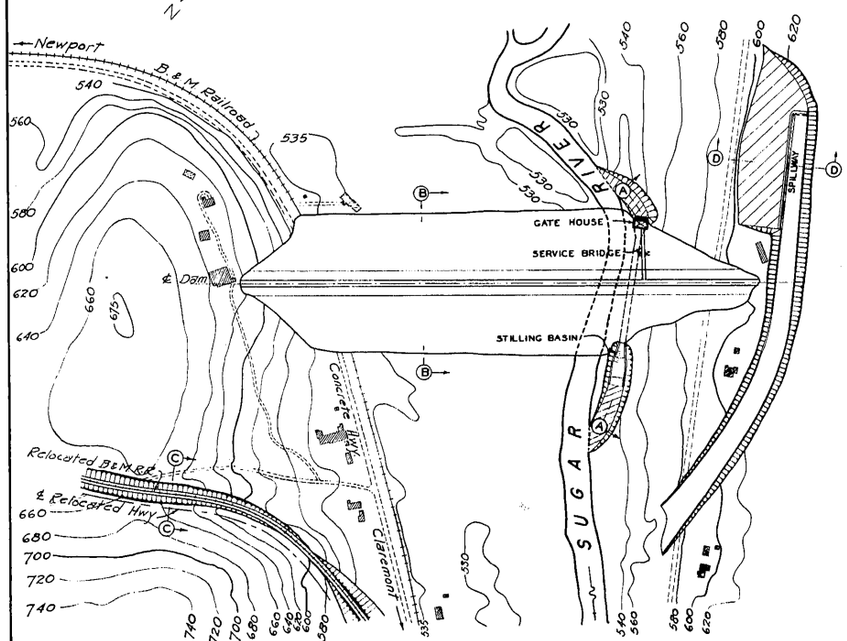
IN 3 SHEETS SHEET NO. 1



SECTION A-A

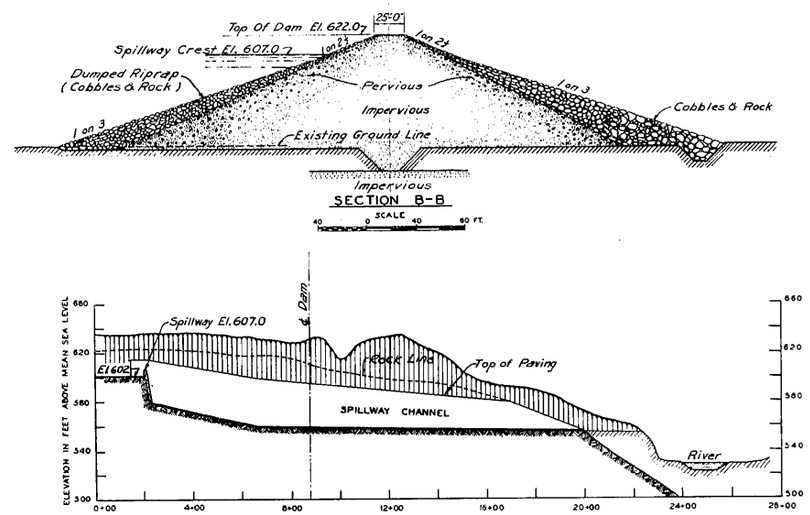
SCALE 40 0 40 80 FT.





PLAN

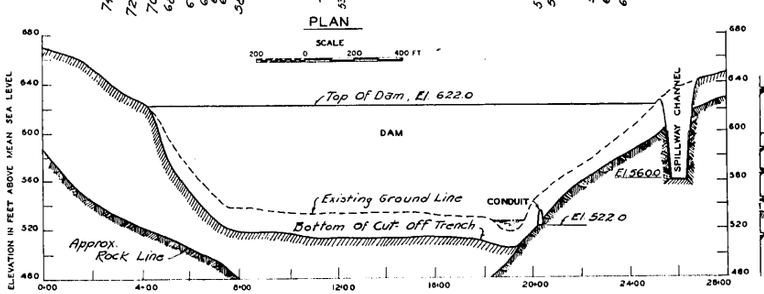
SCALE 200 0 200 400 FT



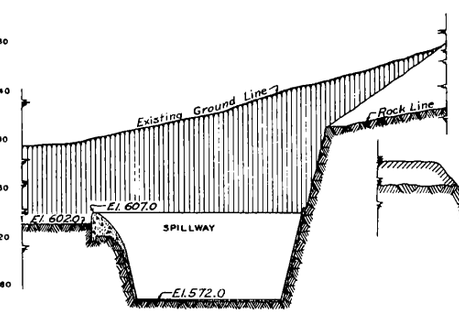
SECTION B-B

SCALE 40 0 40 80 FT.

PROFILE ON ℄ OF SPILLWAY CHANNEL

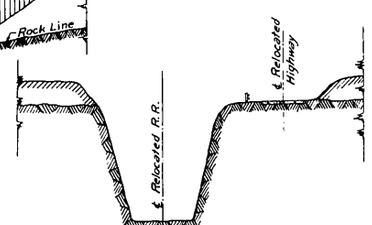


PROFILE ON ℄ DAM



SECTION D-D

SCALE 20 0 20 40 FT.



SECTION C-C

SCALE 20 0 20 40 FT.

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

CLAREMONT DAM

NO. 64-A

SUGAR RIVER, NEW HAMPSHIRE

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 2

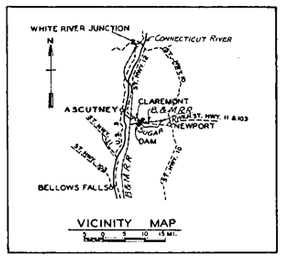
U. S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

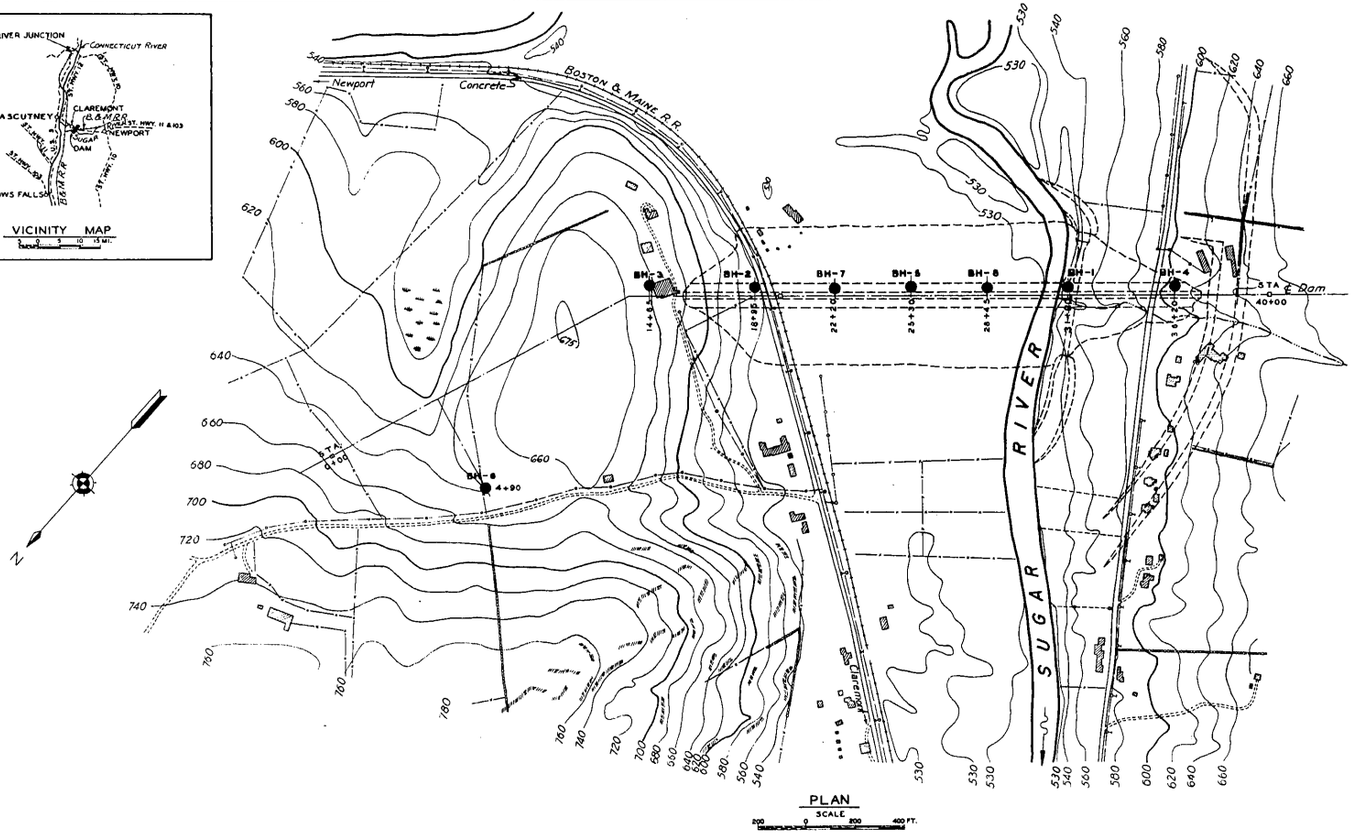
SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

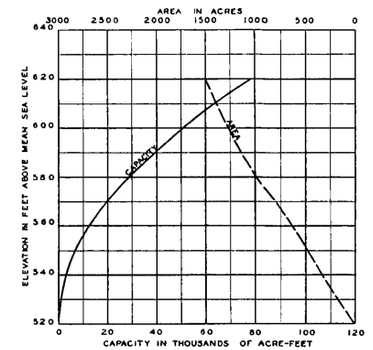
DRAWN BY C.J.H. | TRACED BY C.H., J.N.B.D.C. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-1-1024A

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



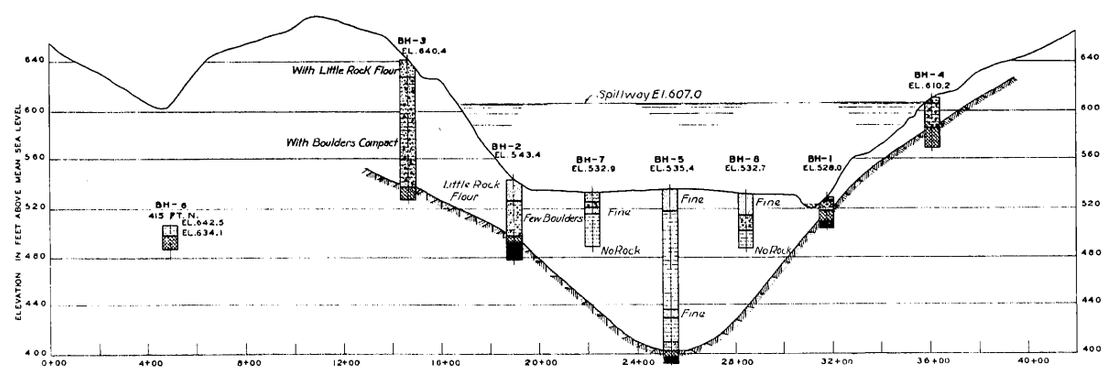




AREA AND CAPACITY CURVES

LEGEND

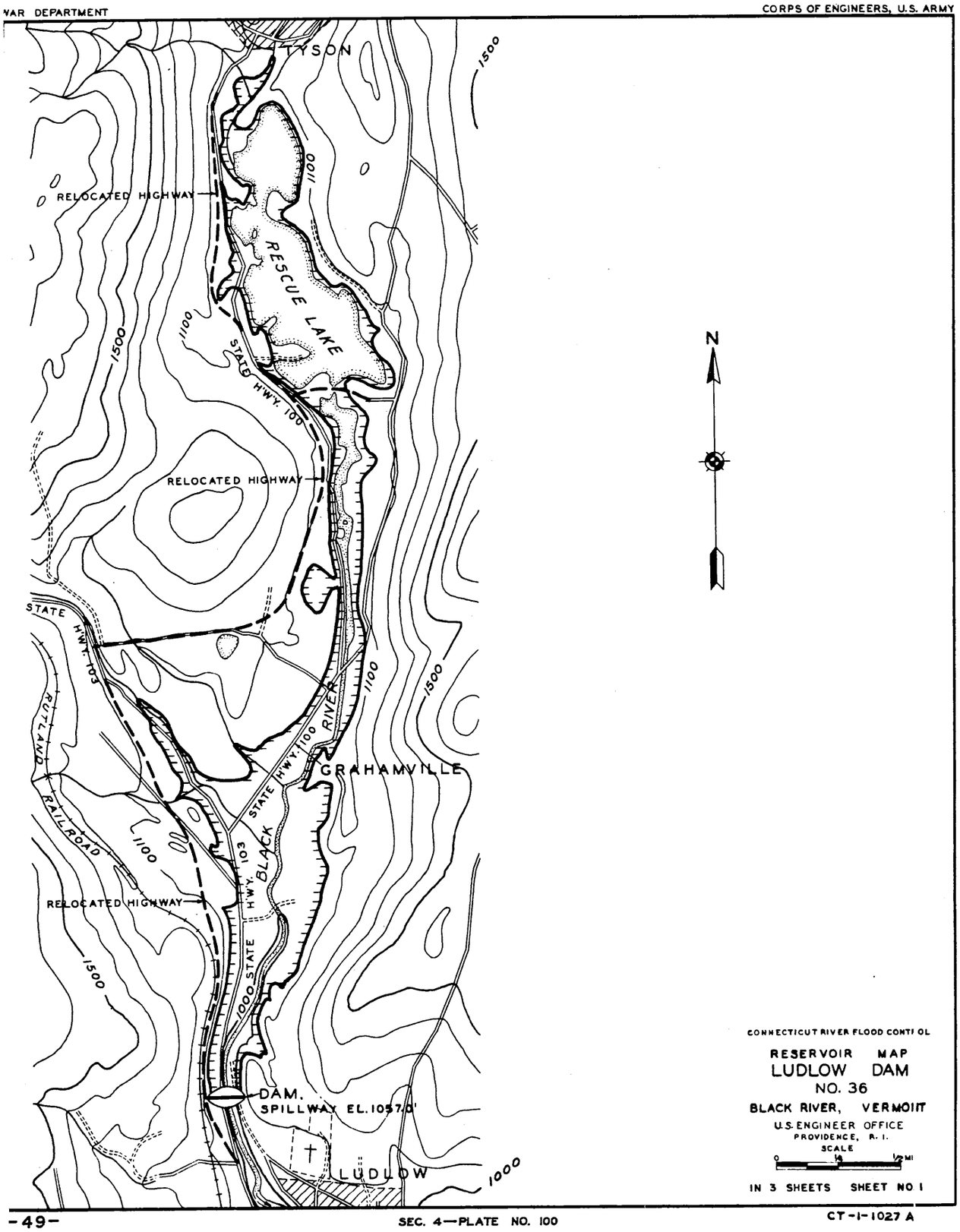
SAND
SILT
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
GRANITE
ROCK OUT-CROP
BH-CORE BORE HOLE

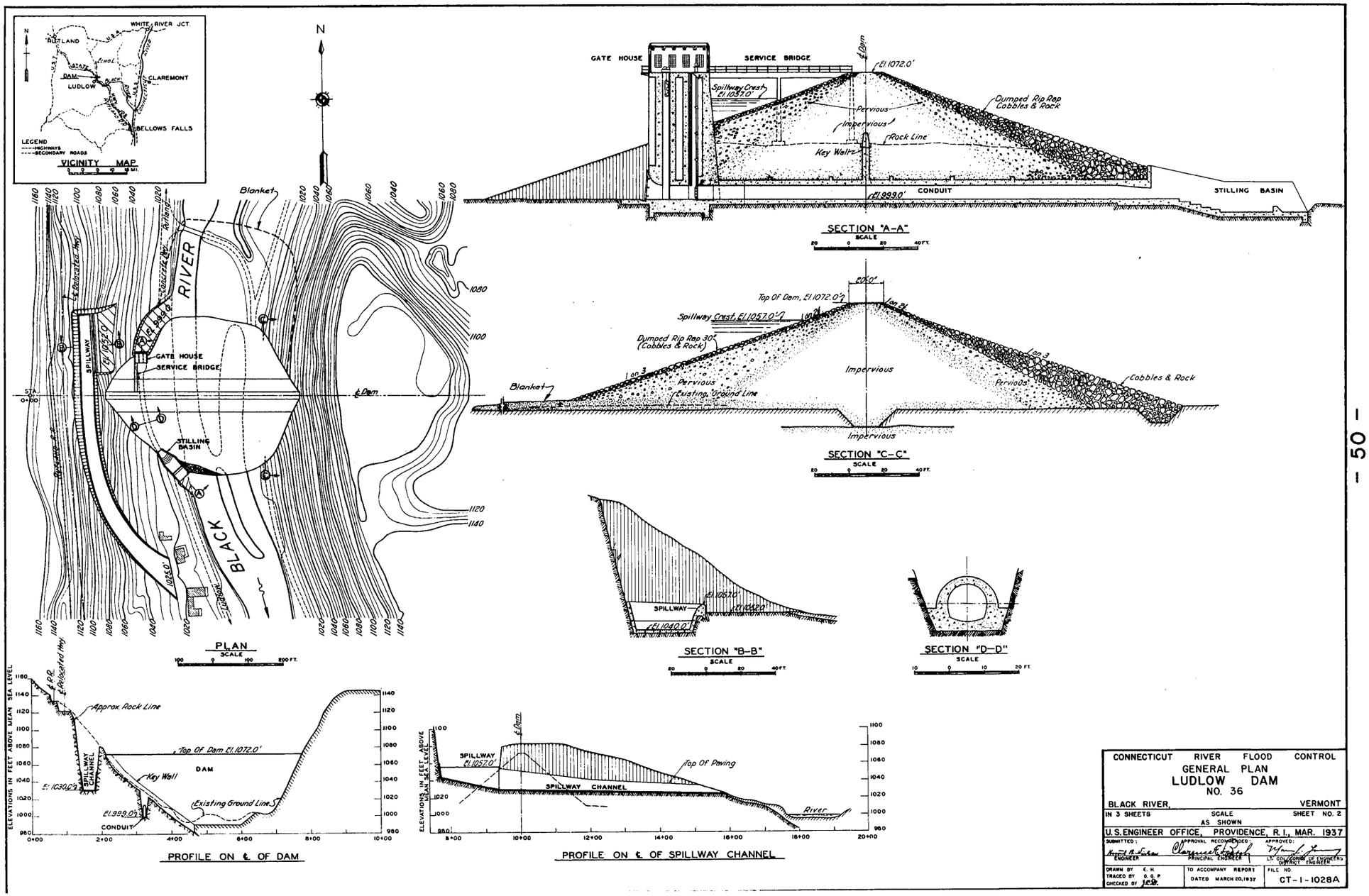


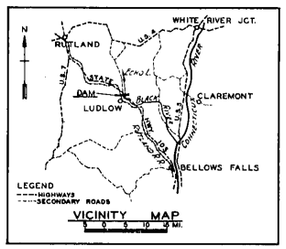
PROFILE ON ℄ DAM

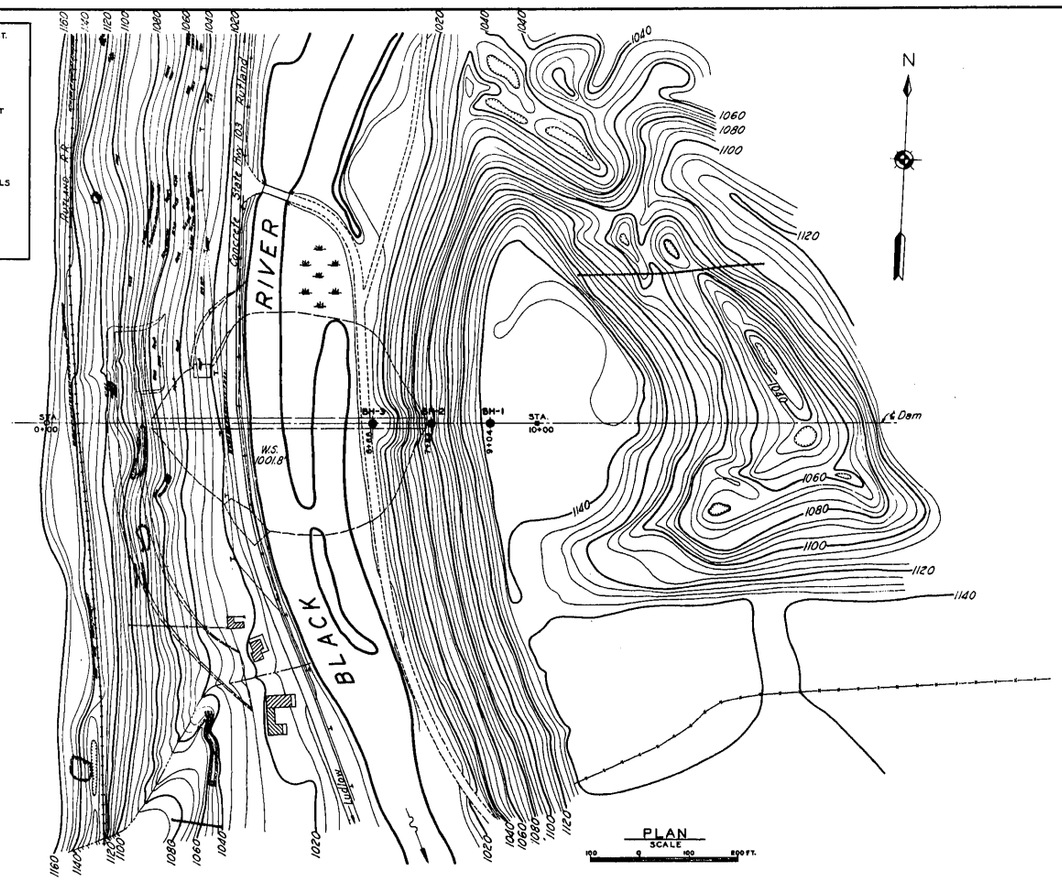
NOTE—
IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.3 MILES ON LEFT BANK. PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM AND DOWNSTREAM IN VALLEY BOTTOM

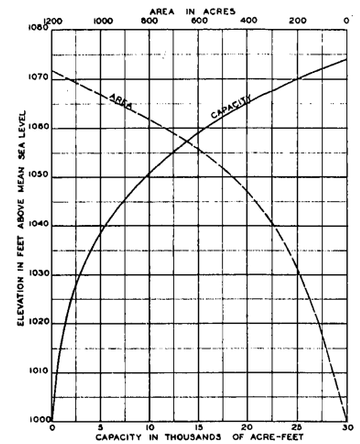
CONNECTICUT RIVER FLOOD CONTROL GEOLOGY CLAREMONT DAM NO. 64-A		
SUGAR RIVER,		NEW HAMPSHIRE
IN 3 SHEETS	SCALE AS SHOWN	SHEET NO 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937		
SUBMITTED: GEOLOGIST	APPROVAL RECOMMENDED: PRINCIPAL ENGINEER	APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY D.P. TRACED BY J.F.J. CHECKED BY	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-2-1011A


TYSON
1500
1100
RELOCATED HIGHWAY
RESCUE LAKE
STATE HWY. 100
RELOCATED HIGHWAY
STATE HWY. 103
RUTLAND RAILROAD
GRAHAMVILLE
STATE HWY. 100
BLACK RIVER
STATE HWY. 103
RELOCATED HIGHWAY
1000
DAM.
SPILLWAY EL. 1057.0'
LUDLOW
N
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
LUDLOW DAM
NO. 36
BLACK RIVER, VERMONT
U.S. ENGINEER OFFICE
PROVIDENCE, R. I.
SCALE
0 1/4 1/2 MI
IN 3 SHEETS SHEET NO. 1


VICINITY MAP
WHITE RIVER JCT.
RUTLAND
DAM
LUDLOW
CLAREMONT
BELLOWS FALLS
LEGEND
HIGHWAYS
SECONDARY ROADS
N
GATE HOUSE
SERVICE BRIDGE
Spillway Crest El. 1057.0'
El. 1072.0'
Pervious
Impervious
Rock Line
Key Wall
Dumped Rip Rap Cobbles & Rock
El. 999.0'
CONDUIT
STILLING BASIN
SECTION "A-A"
SCALE
Top Of Dam, El. 1072.0'
20'-0"
Spillway Crest, El. 1057.0'
Dumped Rip Rap 30" (Cobbles & Rock)
1 on 3
Blanket
Existing Ground Line
Cobbles & Rock
SECTION "C-C"
SPILLWAY
El. 1040.0'
SECTION "B-B"
SECTION "D-D"
RIVER
BLACK
SPILLWAY
GATE HOUSE
SERVICE BRIDGE
STILLING BASIN
STA. 0+00
PLAN
Approx. Rock Line
Top Of Dam El. 1072.0'
DAM
Key Wall
Existing Ground Line
El. 999.0'
CONDUIT
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
PROFILE ON ℄ OF DAM
Top Of Paving
SPILLWAY CHANNEL
River
PROFILE ON ℄ OF SPILLWAY CHANNEL
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
LUDLOW DAM
NO. 36
BLACK RIVER, VERMONT
IN 3 SHEETS
SCALE AS SHOWN
SHEET NO. 2
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED: ENGINEER
APPROVAL RECOMMENDED: PRINCIPAL ENGINEER
APPROVED: LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY E. H.
TRACED BY G. G. P.
CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-1-1028A

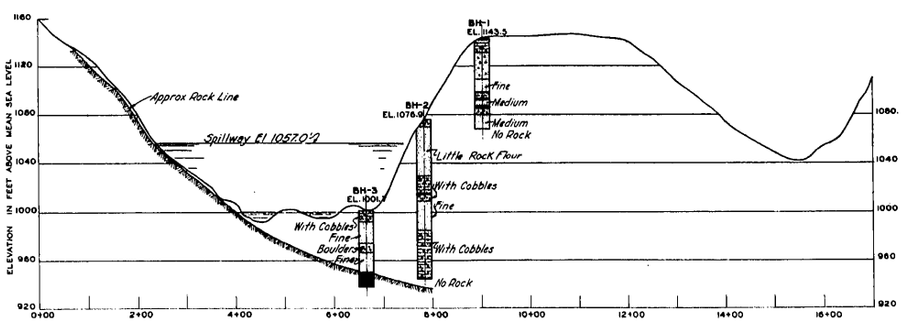






AREA AND CAPACITY CURVES

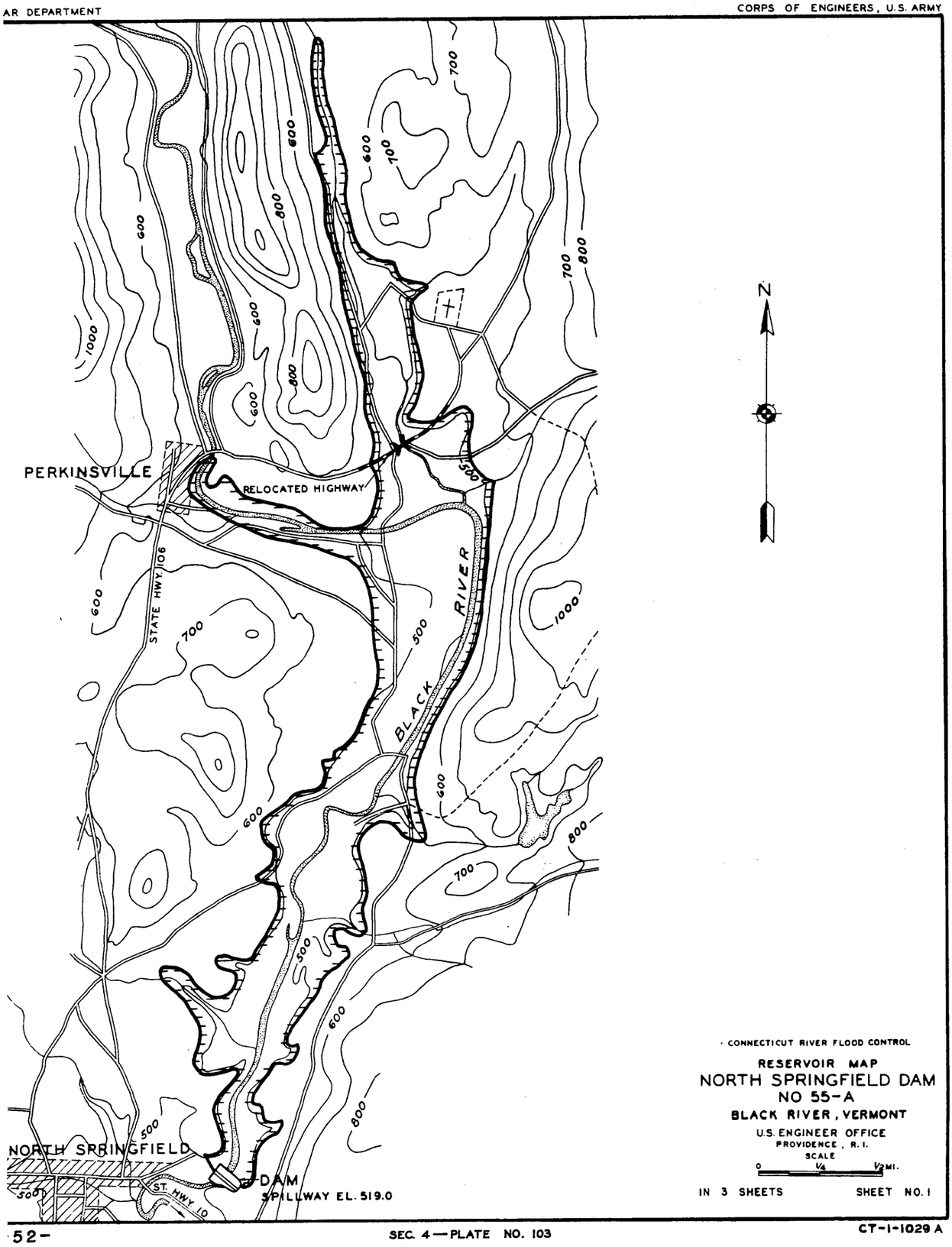
NOTE.
PERVIOUS AND IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM ON LEFT BANK.

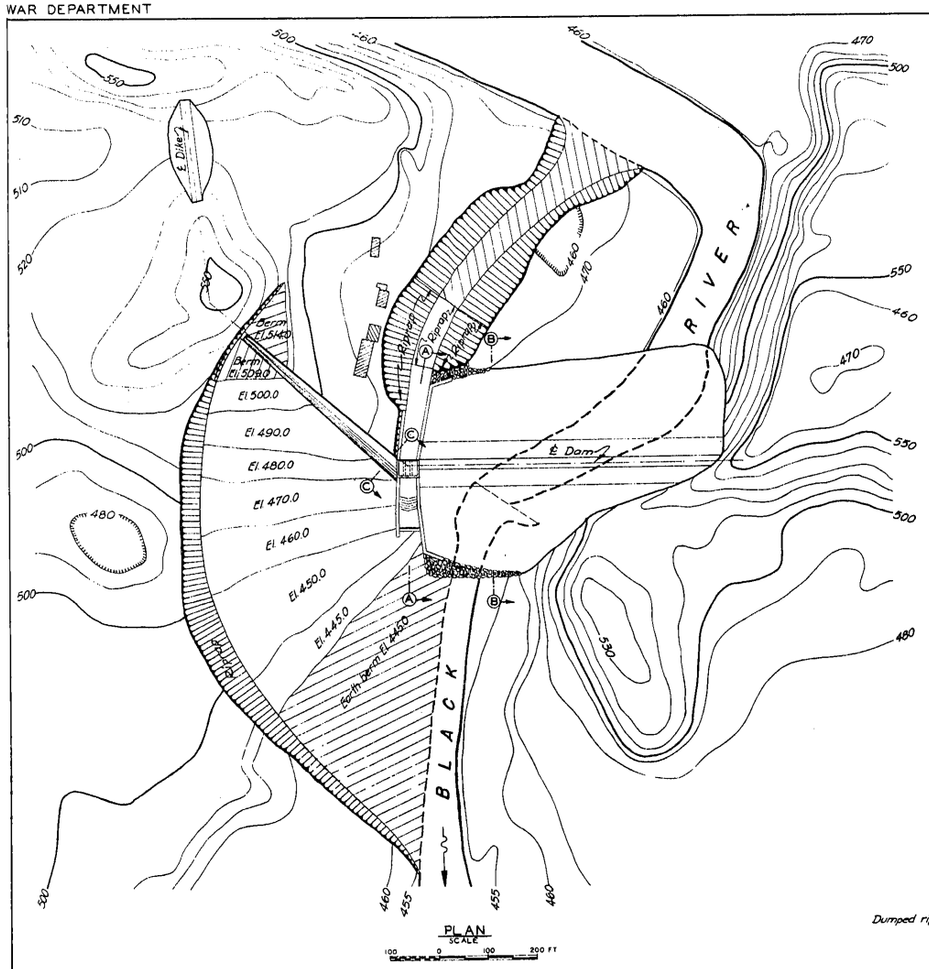


LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
INTRUSIVE IGNEOUS ROCK OUT-CROP
● BH=CORE BORE HOLE

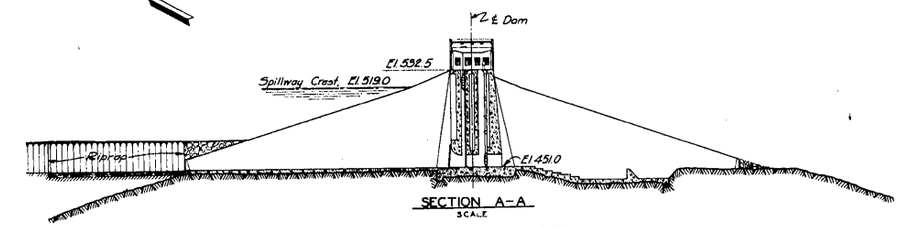
CONNECTICUT RIVER FLOOD CONTROL
GEOLOGY
LUDLOW DAM
NO. 36
BLACK RIVER, VERMONT
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 3
U.S. ENGINEER OFFICE, PROVIDENCE R.I., MAR. 1937
SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY O.F. TRACED BY O.F. | TO ACCOMPANY REPORT | FILE NO.


PERKINSVILLE
RELOCATED HIGHWAY
STATE HWY. 106
BLACK RIVER
NORTH SPRINGFIELD
DAM
SPILLWAY EL. 519.0
ST. HWY. 10
N
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
NORTH SPRINGFIELD DAM
NO 55-A
BLACK RIVER, VERMONT
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 1/4 1/2 MI.
IN 3 SHEETS
SHEET NO. 1



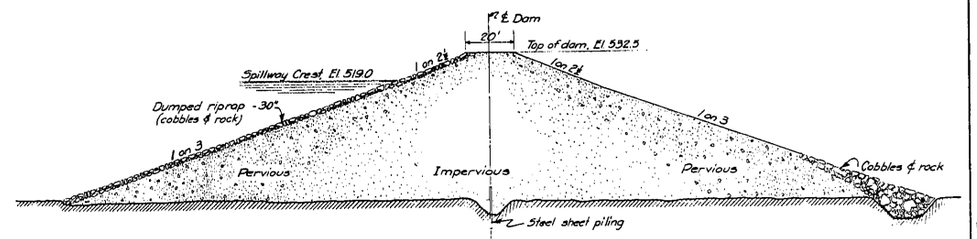
PLAN

SCALE 100 0 100 200 FT



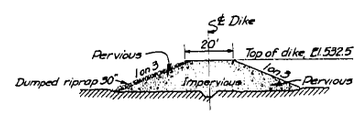
SECTION A-A

SCALE 40 0 40 80 FT



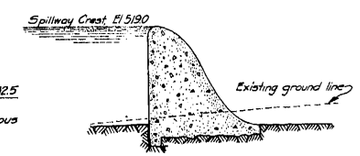
SECTION B-B

SCALE 20 0 20 40 FT



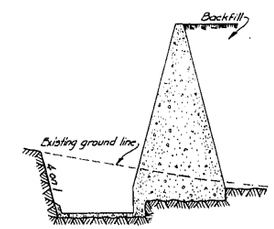
SECTION THRU DIKE

SCALE 20 0 20 40 FT



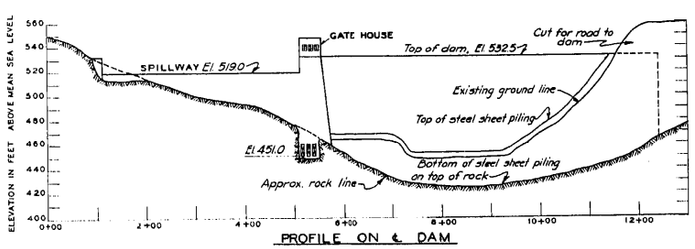
SECTION C-C

SCALE 20 0 20 40 FT

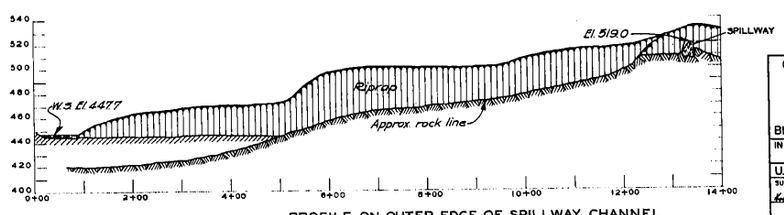


SECTION THRU RETAINING WALL

SCALE 20 0 20 40 FT



PROFILE ON ℄ DAM



PROFILE ON OUTER EDGE OF SPILLWAY CHANNEL

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

NORTH SPRINGFIELD DAM

NO. 55-A

BLACK RIVER, VERMONT

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

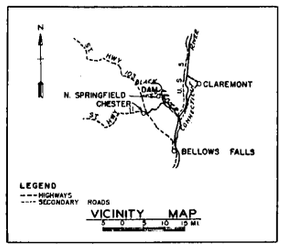
U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

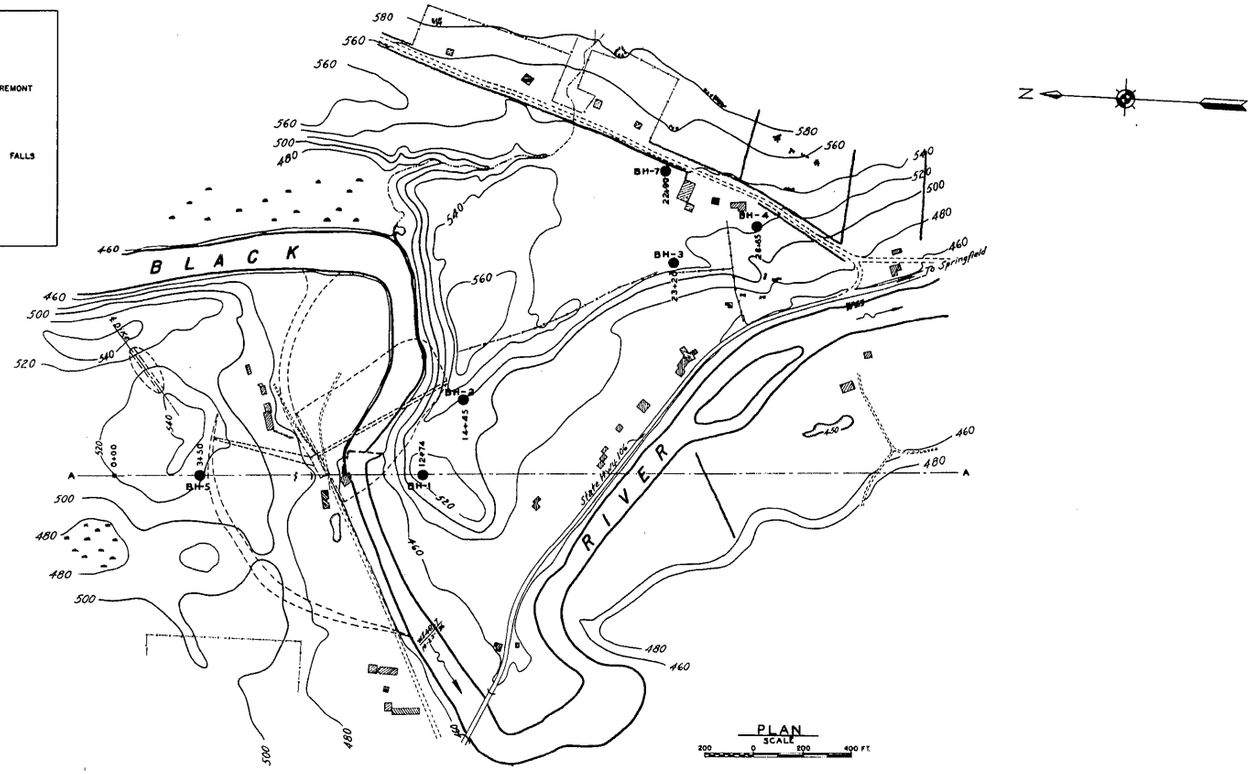
SUBMITTED: APPROVAL RECOMMENDED: APPROVED:

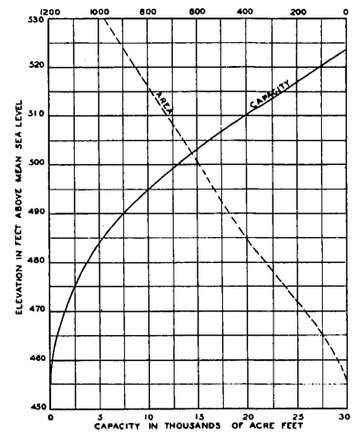
ENGINEER | PRINCIPAL ENGINEER | LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY D. P. | TO ACCOMPANY REPORT | FILE NO.

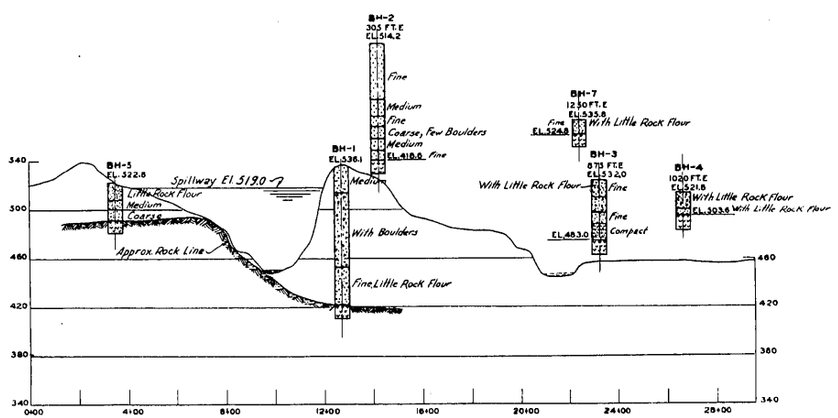
TRACED BY E. O. B. M. | DATED MARCH 20 1937 | CT-1-1030A







AREA AND CAPACITY CURVES



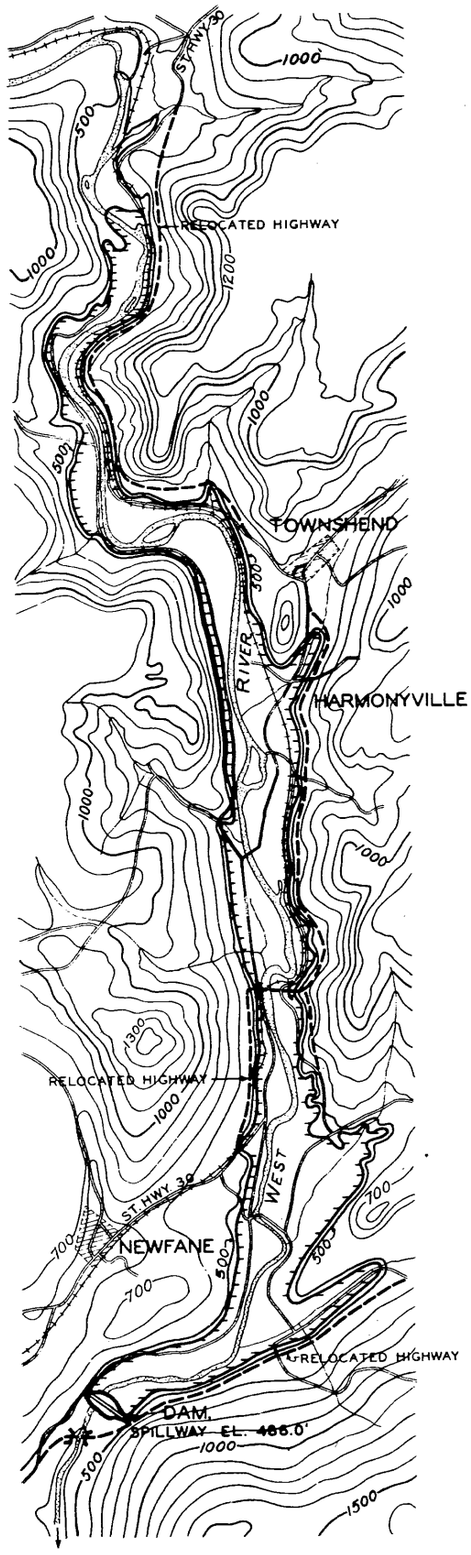
PROFILE ON LINE A-A

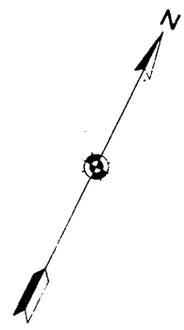
NOTE.
PERVIOUS AND IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM ON LEFT BANK.

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
GRANITE
ROCK OUT-CROP
BH CORE BORE HOLE

CONNECTICUT RIVER FLOOD CONTROL
GEOLOGY
NORTH SPRINGFIELD DAM
NO. 55-A
BLACK RIVER, VERMONT
IN 3 SHEETS SCALE AS SHOWN SHEET NO. 3
U. S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937
SUBMITTED: GEOLOGIST — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY O.P. TRACED BY V.A.T.
TO ACCOMPANY REPORT DATED MARCH 30 1937
FILE NO.





CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

NEWFANE DAM

NO. 40-A

WEST RIVER, VERMONT

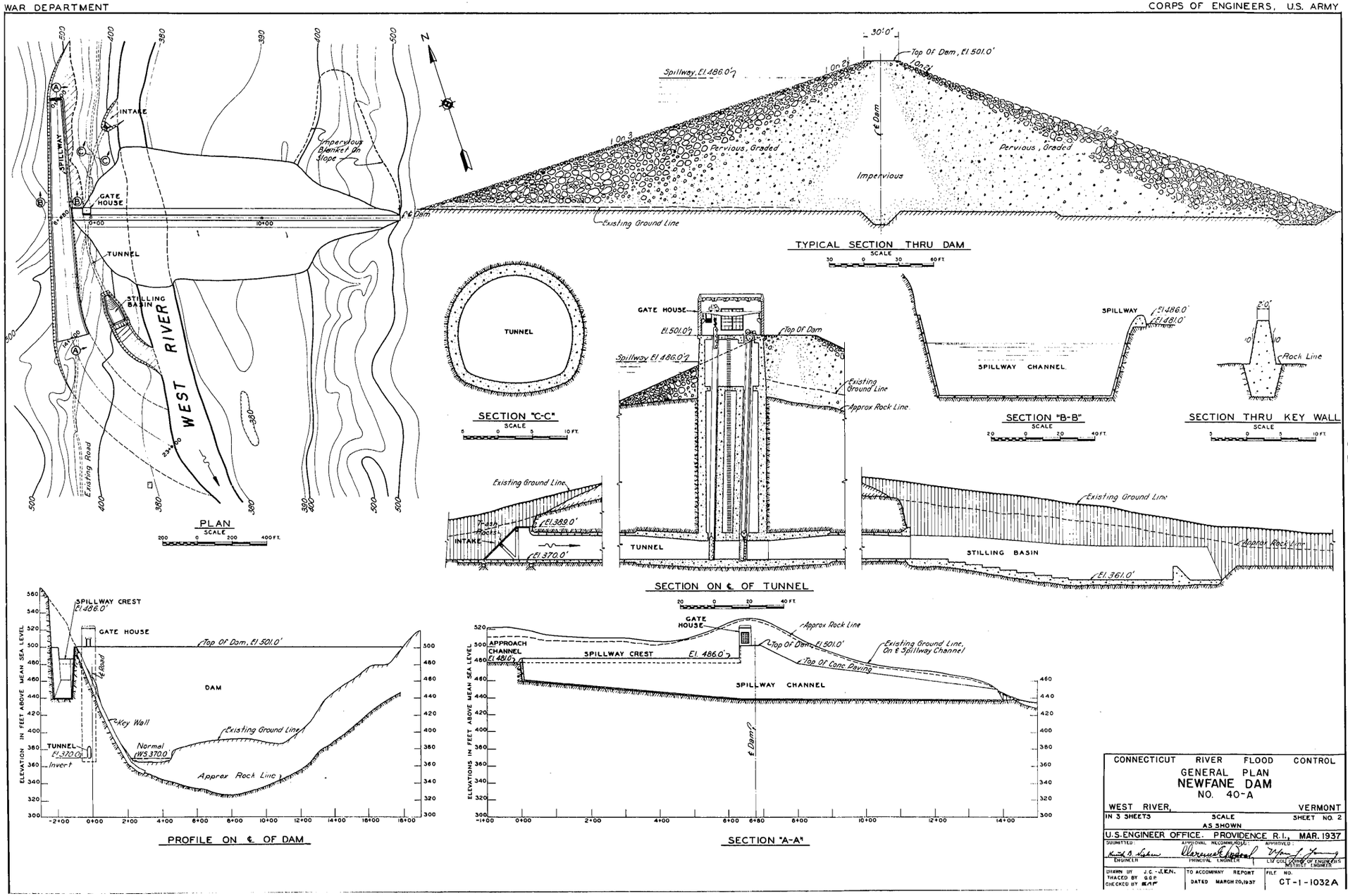
U.S. ENGINEER OFFICE

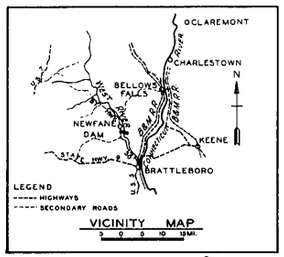
PROVIDENCE, R.I.

SCALE

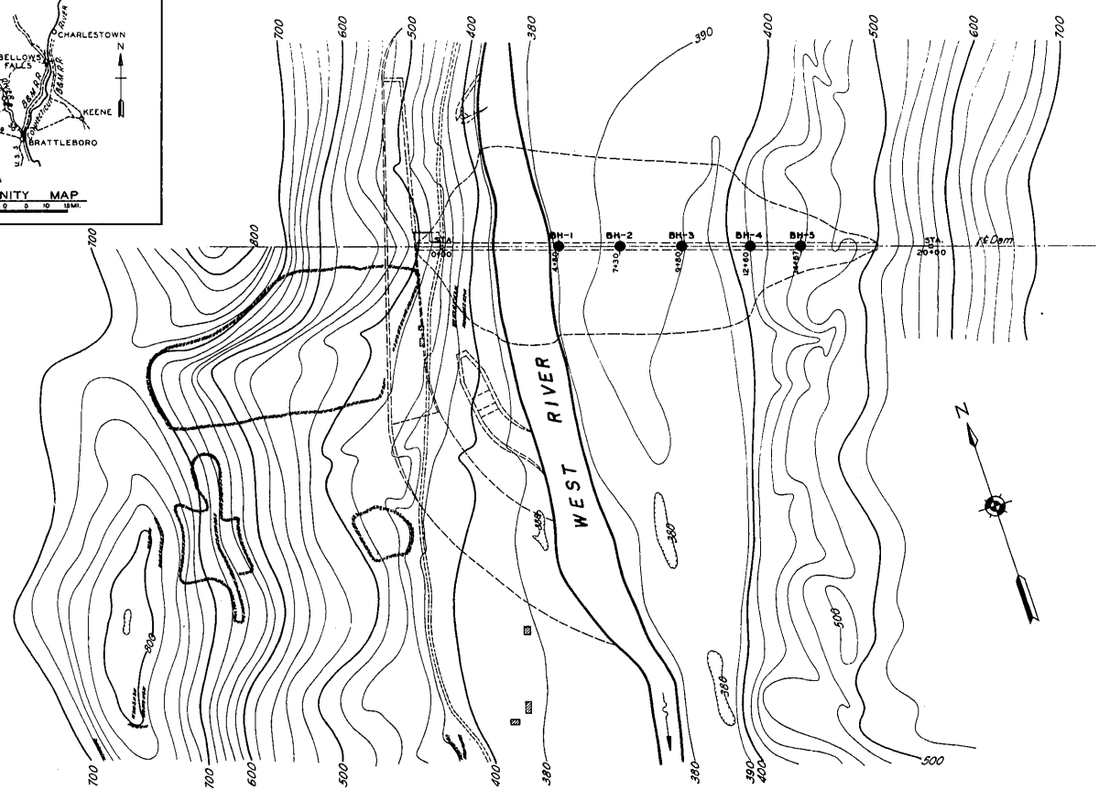
0 ½ 1 MI.

IN 3 SHEETS SHEET NO.:

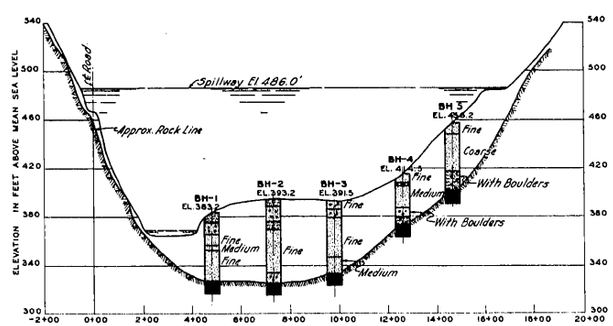

PLAN
SCALE
200 0 200 400 FT.
SPILLWAY
INTAKE
GATE HOUSE
TUNNEL
STILLING BASIN
WEST RIVER
Existing Road
Impervious Blanket on Slope
TYPICAL SECTION THRU DAM
SCALE
30 0 30 60 FT.
Top Of Dam, El 501.0'
Spillway, El 486.0'
Pervious, Graded
Impervious
Existing Ground Line
SECTION "C-C"
SCALE
5 0 5 10 FT.
TUNNEL
SECTION ON ℄ OF TUNNEL
20 0 20 40 FT.
GATE HOUSE
El 501.0'
Top Of Dam
Spillway El 486.0'
Existing Ground Line
Approx Rock Line
Existing Ground Line
El 369.0'
INTAKE
El 370.0'
TUNNEL
STILLING BASIN
Approx Rock Line
El 361.0'
SECTION "B-B"
SCALE
20 0 20 40 FT.
SPILLWAY
El 486.0'
El 481.0'
SPILLWAY CHANNEL
SECTION THRU KEY WALL
SCALE
5 0 5 10 FT.
Rock Line
PROFILE ON ℄ OF DAM
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
SPILLWAY CREST
El 486.0'
GATE HOUSE
Top Of Dam, El 501.0'
℄ Road
DAM
Key Wall
Existing Ground Line
TUNNEL
El 370.0'
Invert
Normal WS 370.0'
Approx Rock Line
SECTION "A-A"
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
APPROACH CHANNEL
El 481.0'
SPILLWAY CREST
El 486.0'
GATE HOUSE
Approx Rock Line
Top Of Dam, El 501.0'
Existing Ground Line, On ℄ Spillway Channel
Top Of Conc Paving
SPILLWAY CHANNEL
℄ Dam
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
NEWFANE DAM
NO. 40-A
WEST RIVER, VERMONT
IN 3 SHEETS
SCALE AS SHOWN
SHEET NO. 2
U.S. ENGINEER OFFICE, PROVIDENCE R.I., MAR. 1937
SUBMITTED: ENGINEER
APPROVAL RECOMMENDED: PRINCIPAL ENGINEER
APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY J.C.-J.E.N.
TRACED BY G.G.P.
CHECKED BY E.G.P.
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-1-1032A



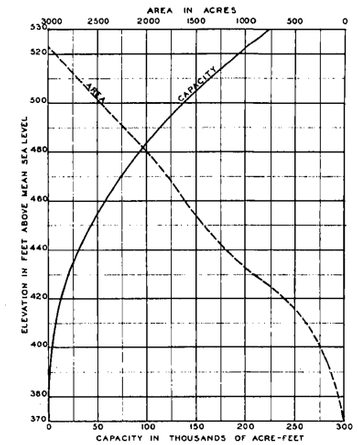
VICINITY MAP



PLAN
SCALE
200 0 200 400 FT.



PROFILE ON ℄ DAM



AREA AND CAPACITY CURVES

NOTE.

HYDRAULIC BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM AND DOWNSTREAM ON LEFT BANK.

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
ROCK OUT-CROP
BH=CORE BORE HOLE

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY
NEWFANE DAM
NO. 40-A

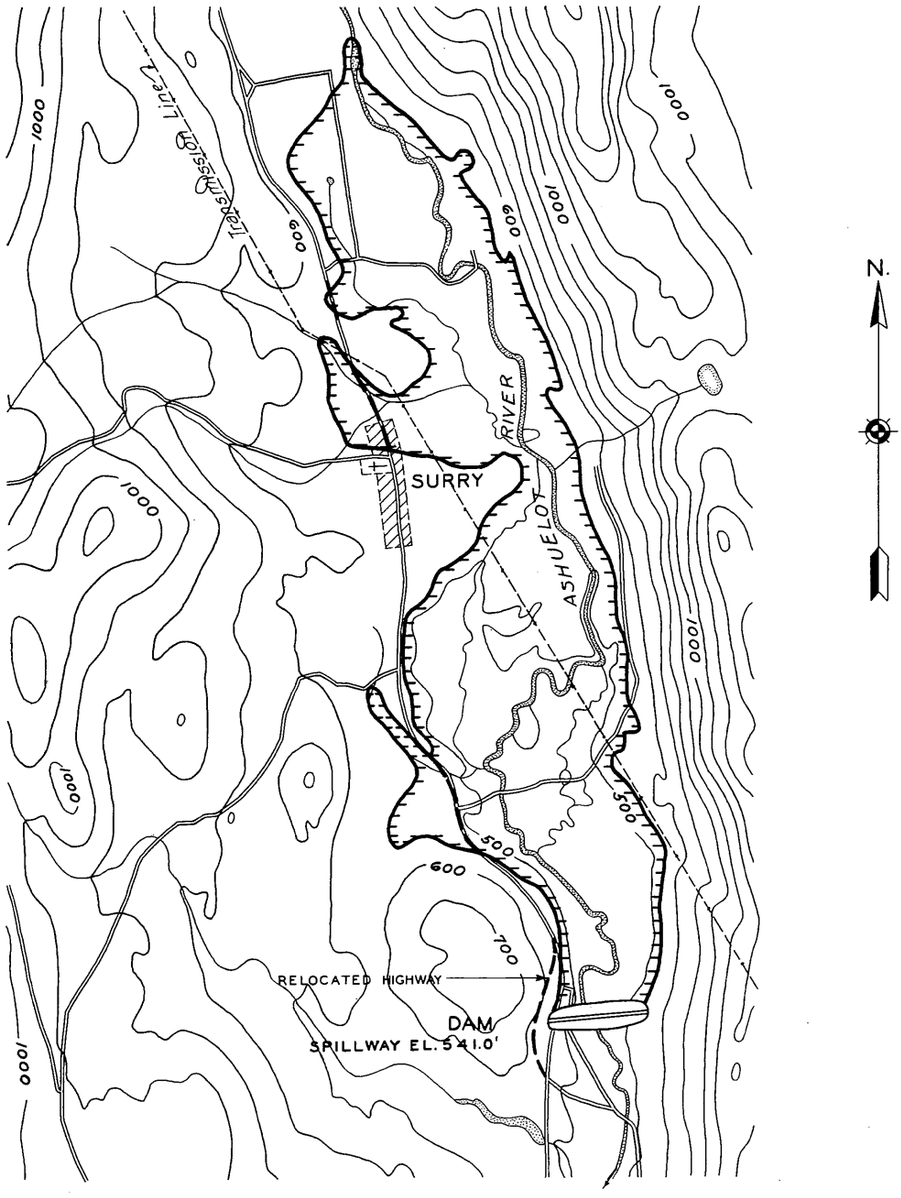
WEST RIVER, VERMONT

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 3

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY F.G. TRACED BY G.G.P. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-2-1015A



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

SURRY MOUNTAIN DAM

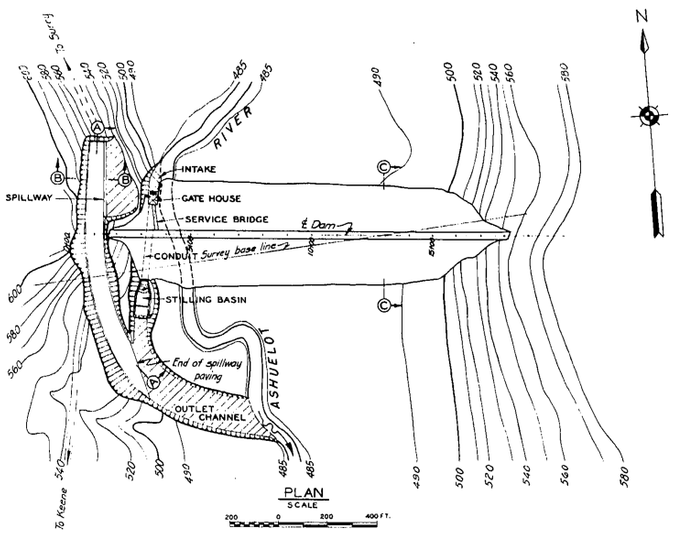
NO. 57-A

ASHUELOT RIVER, NEW HAMPSHIRE

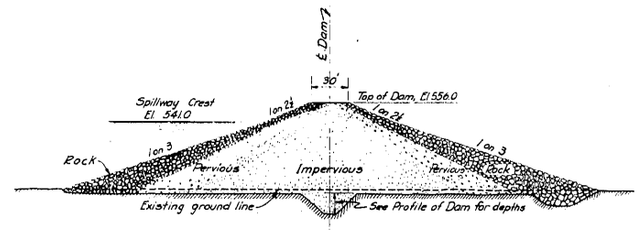
U.S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE
0 1/4 1/2 MI.

IN 3 SHEETS SHEET NO. 1

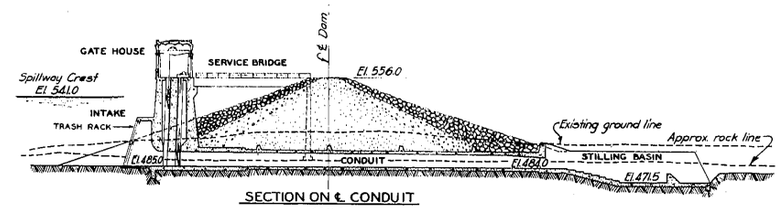


PLAN



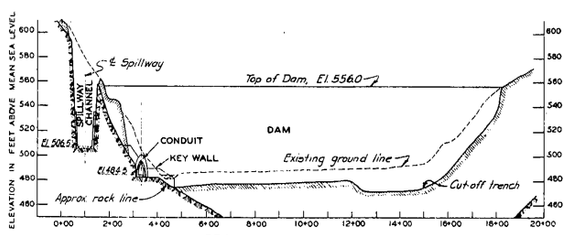
SECTION C-C

SCALE 40 0 40 80 FT.

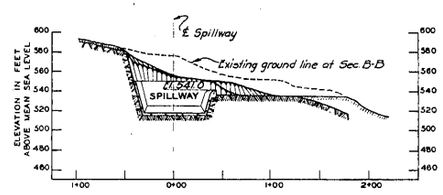


SECTION ON ℄ CONDUIT

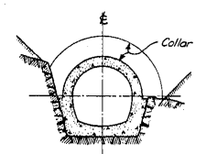
SCALE 40 0 40 80 FT.



PROFILE ON ℄ DAM

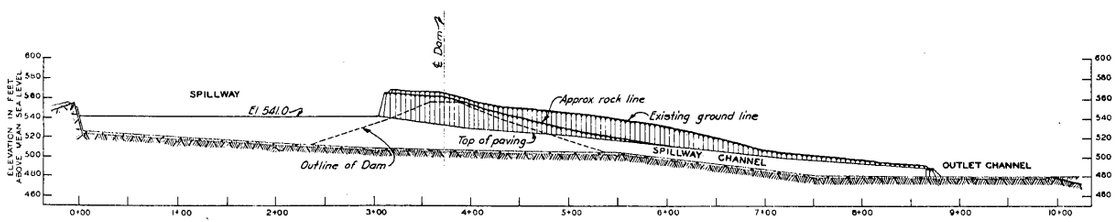


SECTION B-B



SECTION THRU CONDUIT

SCALE 10 0 10 20 FT.



SECTION A-A

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

SURRY MOUNTAIN DAM

NO. 57-A

ASHUELOT RIVER, NEW HAMPSHIRE

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

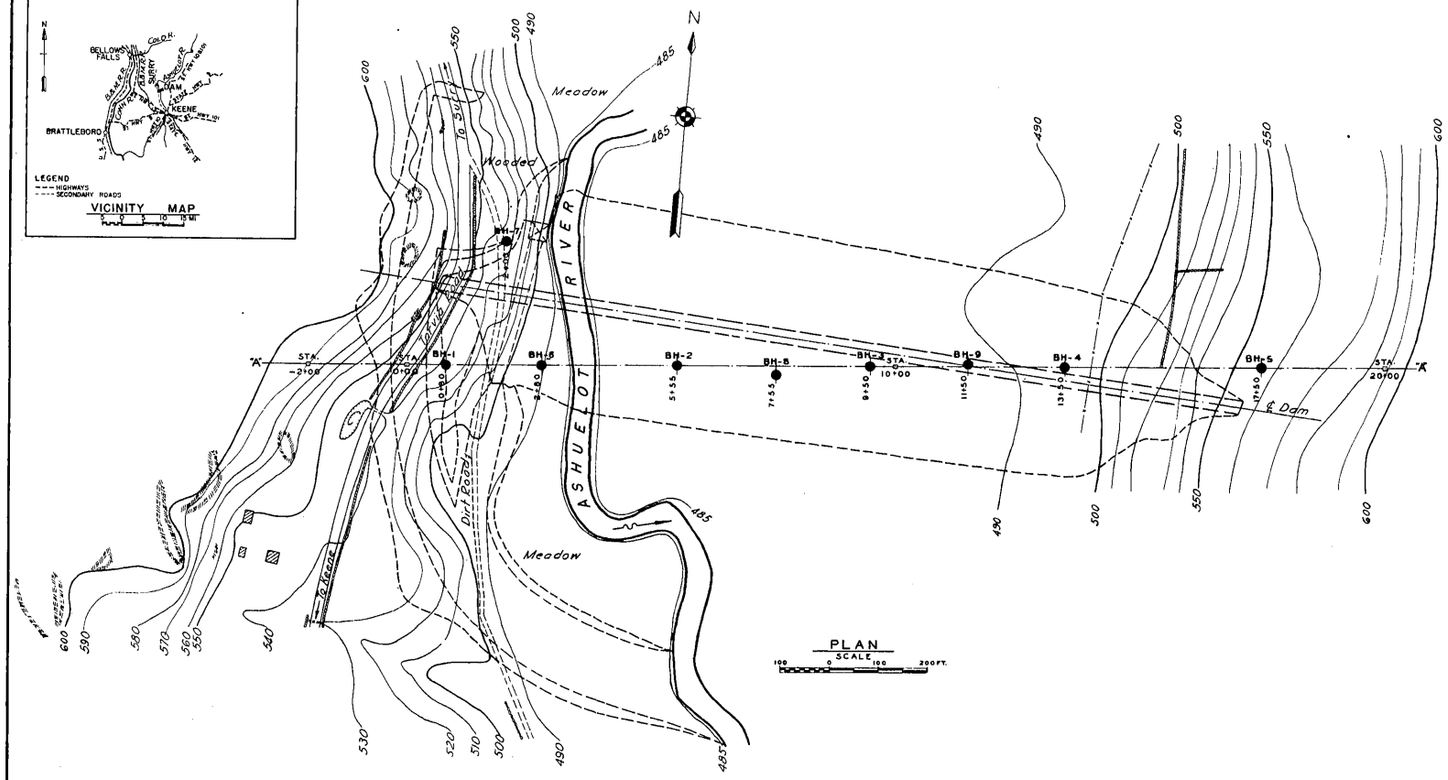
U. S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

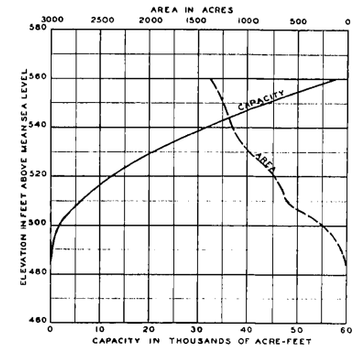
SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: CHIEF OF ENGINEERS

DRAWN BY M. D. M. | TRACED BY M. D. M. | TO ACCOMPANY REPORT | FILE NO.

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY

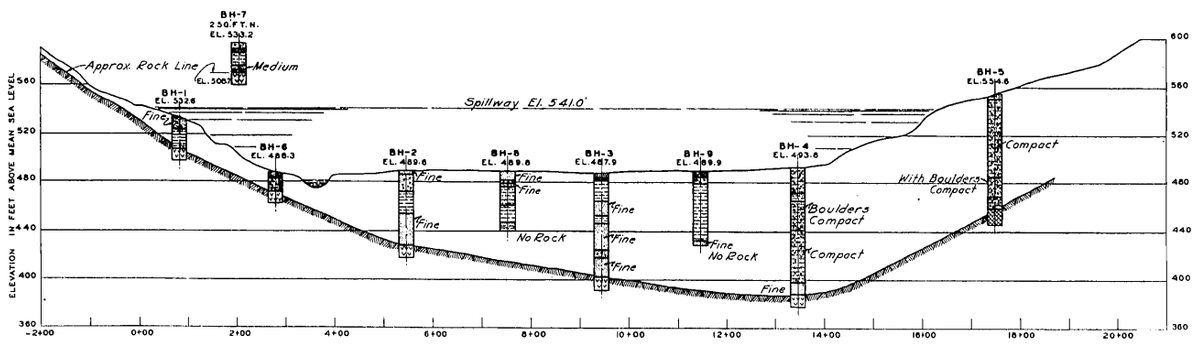




AREA AND CAPACITY CURVES

LEGEND

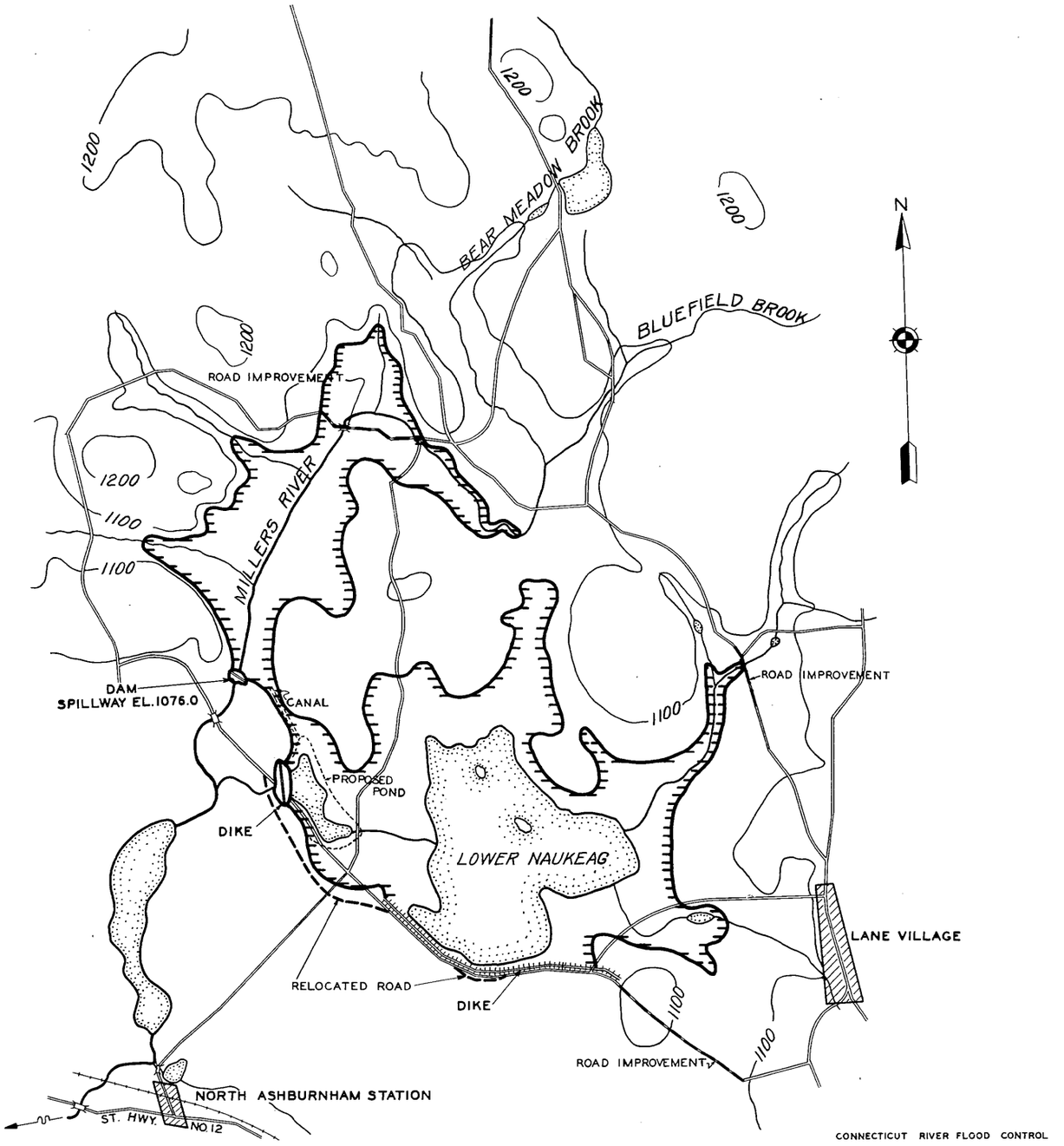
SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
GRANITE
ROCK OUT-CROP
BH = CORE BORE HOLE



PROFILE ON LINE "A-A"

NOTE:
HYDRAULIC BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM AND DOWNSTREAM ON LEFT BANK.

CONNECTICUT RIVER FLOOD CONTROL
GEOLOGY
SURRY MOUNTAIN DAM
NO. 57-A
ASHUELOT RIVER, NEW HAMPSHIRE
IN 3 SHEETS SCALE AS SHOWN SHEET NO 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED: GEOLOGIST
APPROVAL RECOMMENDED: PRINCIPAL ENGINEER
APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY D.P. TO ACCOMPANY REPORT FILE NO.



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

LOWER NAUKEAG DAM

NO.59

MILLERS RIVER, MASS.

U.S. ENGINEER OFFICE

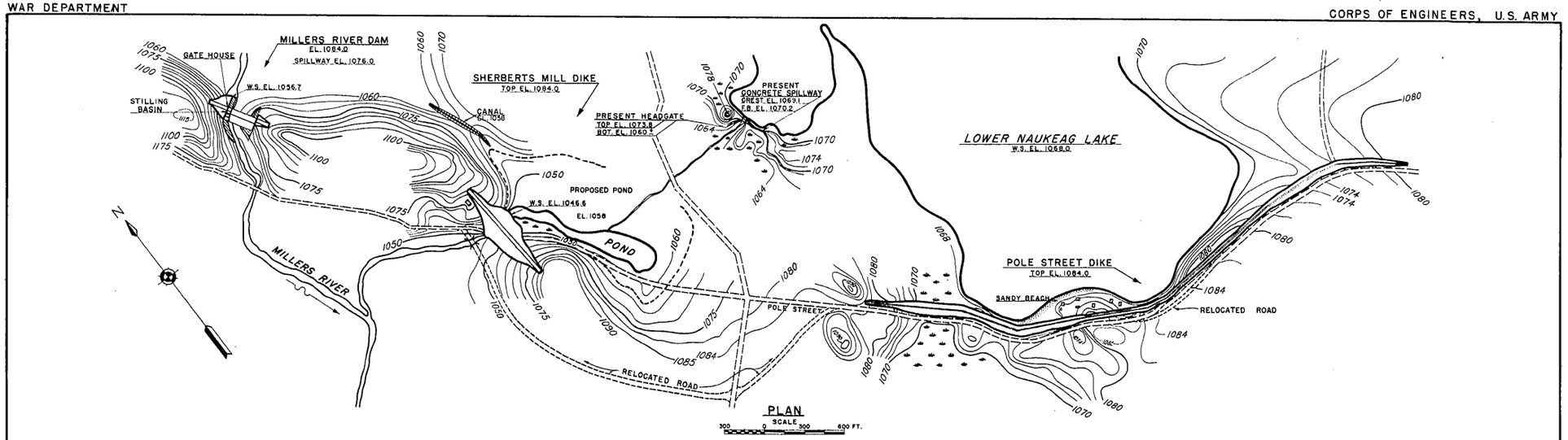
PROVIDENCE, R.I.

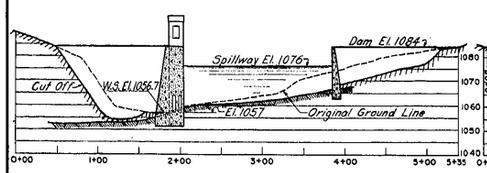
SCALE 0 1/4 1/2 MI.

IN 3 SHEETS SHEET NO. 1

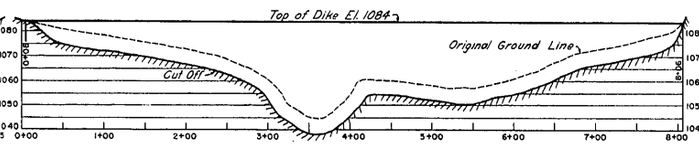
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

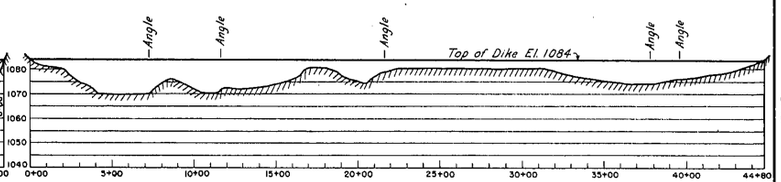




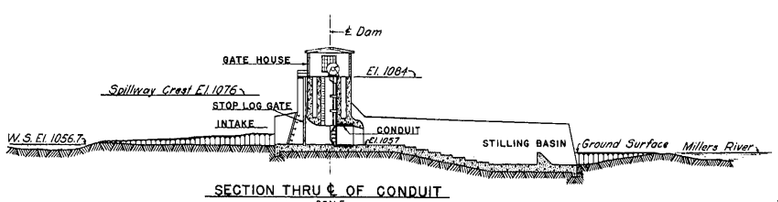
PROFILE ℄ MILLERS RIVER DAM



PROFILE ℄ SHERBERTS MILL DIKE

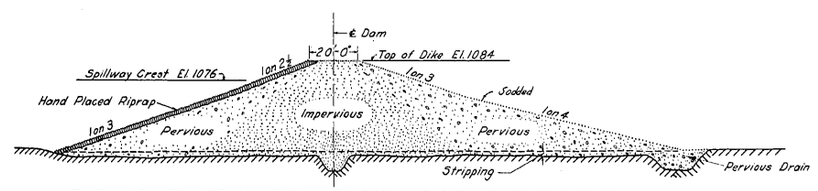


PROFILE ℄ POLE STREET DIKE



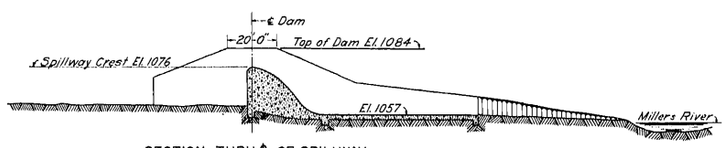
SECTION THRU ℄ OF CONDUIT

SCALE 20 0 20 40 FT.



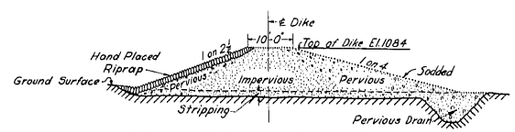
TYPICAL SECTION OF MILLERS RIVER DAM AND SHERBERTS MILL DIKE

SCALE 20 0 20 40 FT.



SECTION THRU ℄ OF SPILLWAY

SCALE 20 0 20 40 FT.



TYPICAL SECTION POLE STREET DIKE

SCALE 10 0 10 20 FT.

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

LOWER NAUKEAG DAM

NO. 59

MILLERS RIVER, MASSACHUSETTS

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

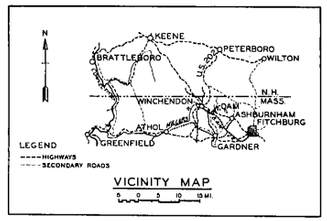
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

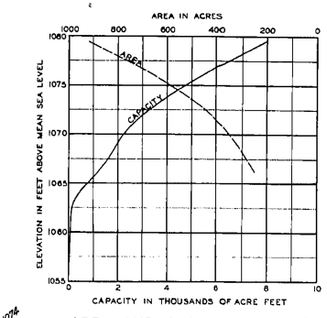
SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY: J.E.N. & N.J.K. TRACED BY: J.S.J. | TO ACCOMPANY REPORT DATED MARCH 20 1937 | FILE NO. CT-1-1049

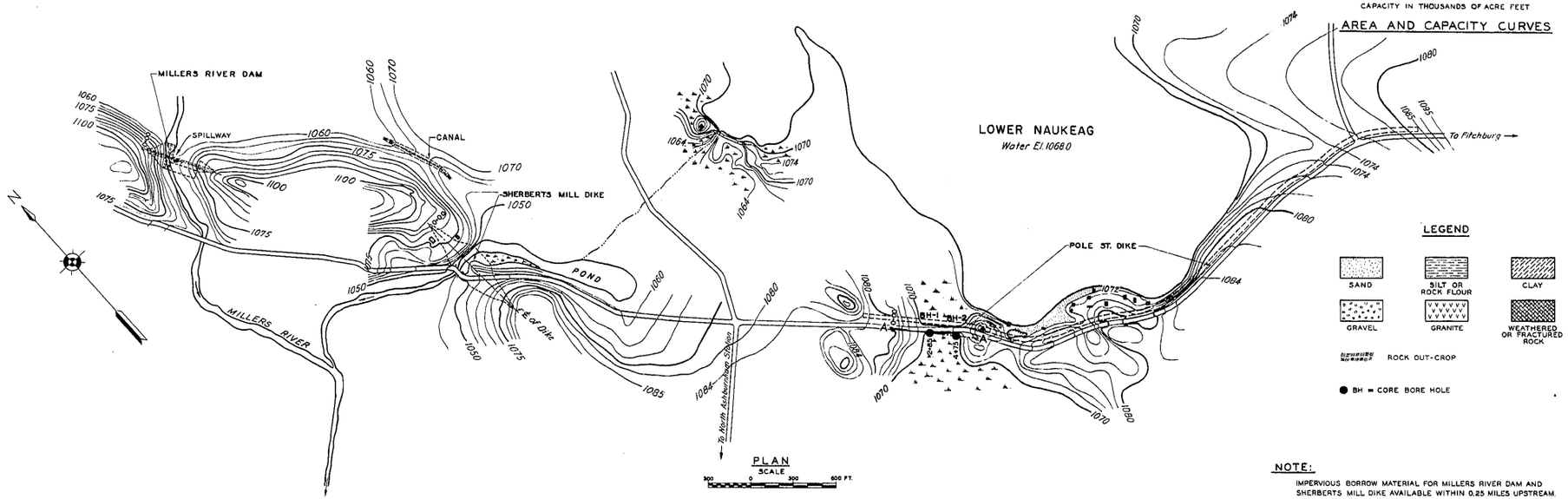
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



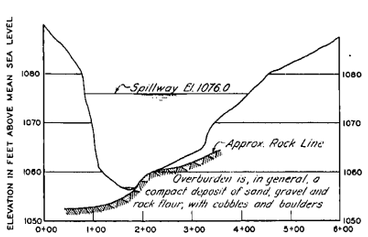


AREA AND CAPACITY CURVES

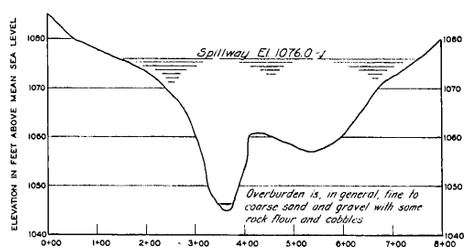


NOTE:

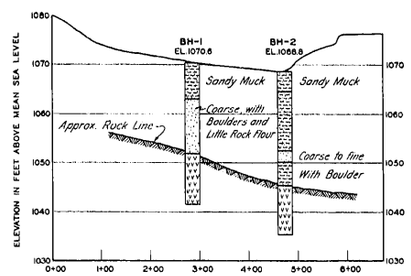
IMPERVIOUS BORROW MATERIAL FOR MILLERS RIVER DAM AND SHERBERTS MILL DIKE AVAILABLE WITHIN 0.25 MILES UPSTREAM. PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES DOWNSTREAM. BOTH CLASSES OF MATERIAL FOR POLE STREET DIKE AVAILABLE WITHIN 0.5 MILES.



PROFILE ON ℄ OF MILLERS RIVER DAM



PROFILE ON ℄ OF SHERBERTS MILL DIKE



PROFILE ON LINE "A-A"
POLE STREET DIKE

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

LOWER NAUKEAG DAM

NO. 59

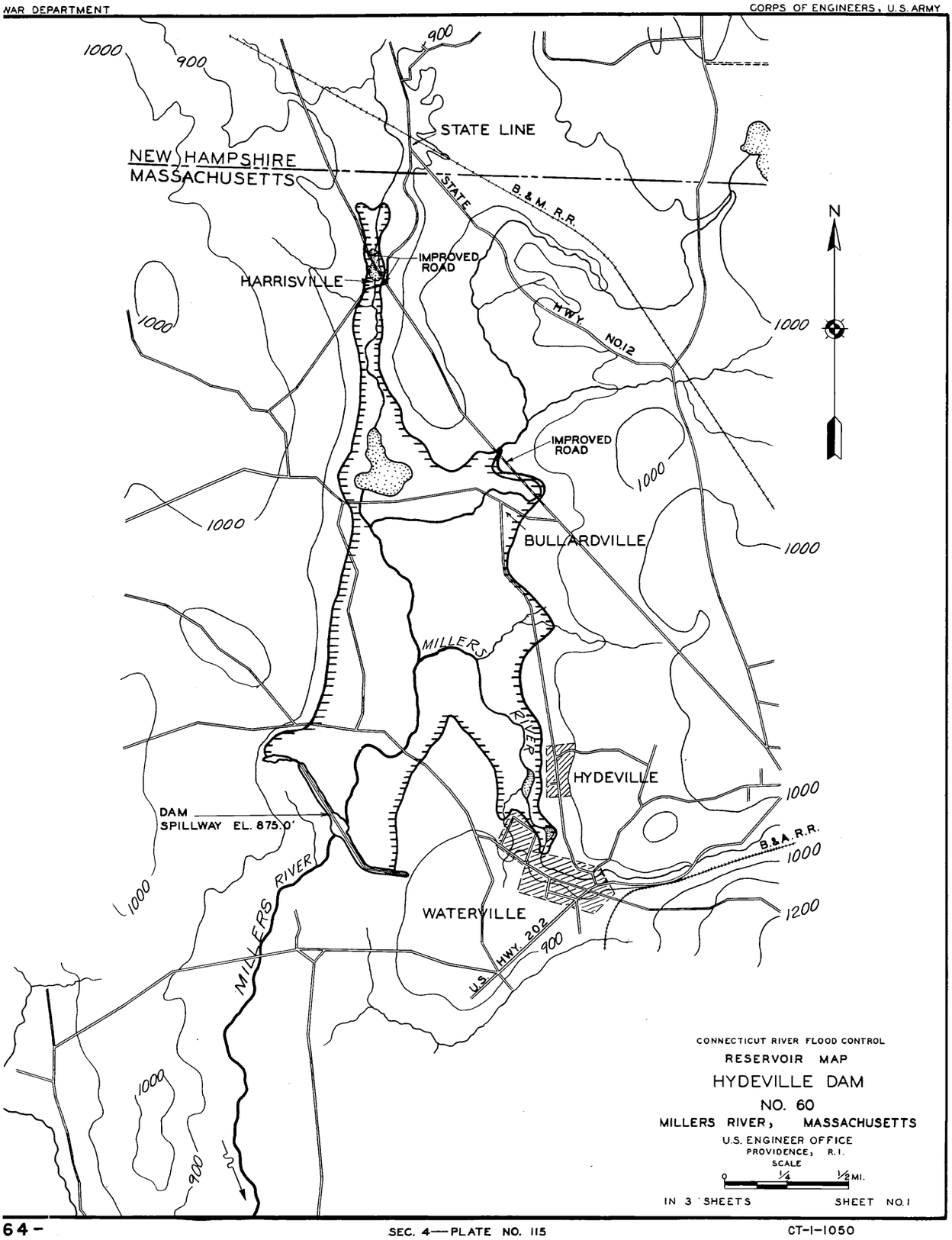
MILLERS RIVER, MASSACHUSETTS

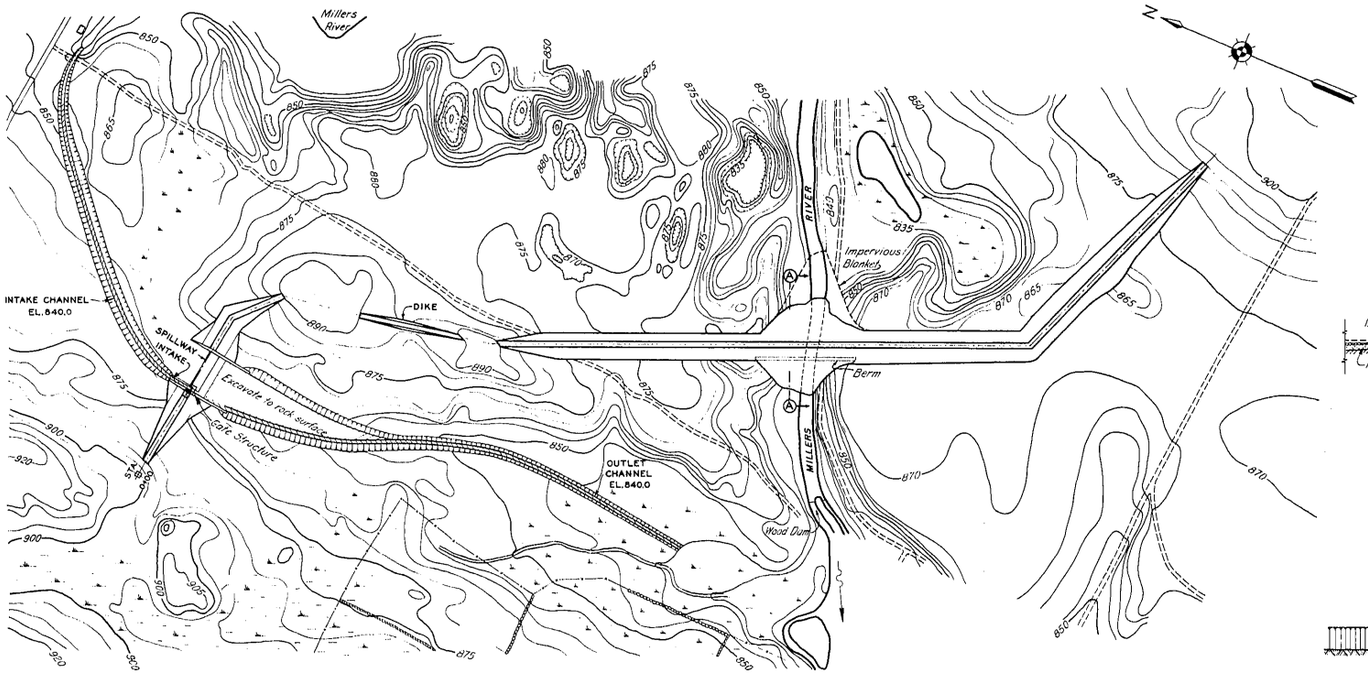
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 3

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

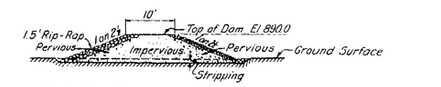
DRAWN BY: J.E.P. | TRACED BY: W.L.H. | TO ACCOMPANY: REPORT DATED MARCH 20, 1937 | FILE NO. CT-2-1021


STATE LINE
NEW HAMPSHIRE
MASSACHUSETTS
STATE
B.&M. R.R.
IMPROVED ROAD
HARRISVILLE
HWY. NO.12
IMPROVED ROAD
BULLARDVILLE
MILLERS
RIVER
HYDEVILLE
DAM
SPILLWAY EL. 875.0'
B.&A. R.R.
WATERVILLE
U.S. HWY. 202
MILLERS RIVER
N
1000
900
1200
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
HYDEVILLE DAM
NO. 60
MILLERS RIVER, MASSACHUSETTS
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 1/4 1/2 MI.
IN 3 SHEETS
SHEET NO. 1



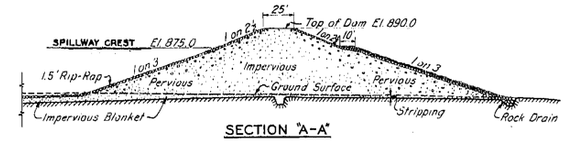
PLAN

SCALE 200 0 200 400 FT.



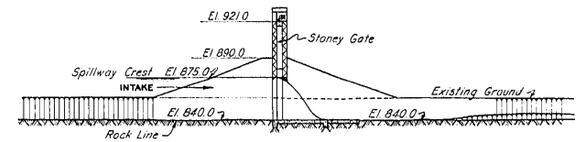
TYPICAL SECTION OF DIKE

SCALE 10 0 10 20 FT



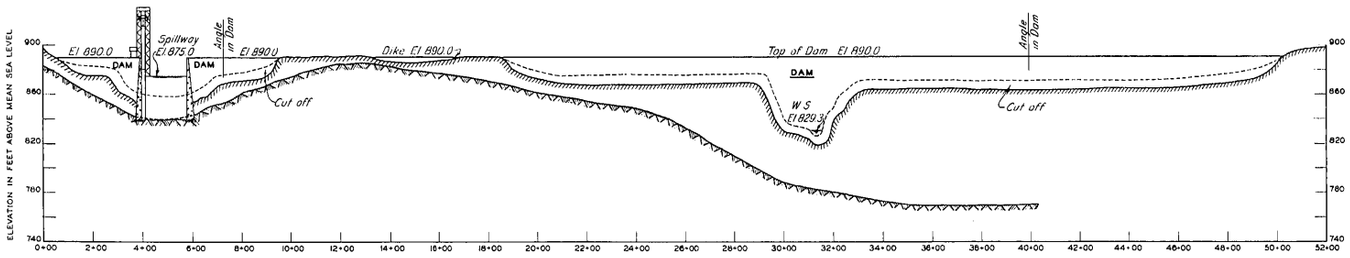
SECTION "A-A"

SCALE 40 0 40 80 FT.



SECTION THRU INTAKE AND OUTLET CHANNEL

SCALE 40 0 40 80 FT



PROFILE ON ℄ OF DAM

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

HYDEVILLE DAM

NO. 60

MILLERS RIVER, MASSACHUSETTS

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

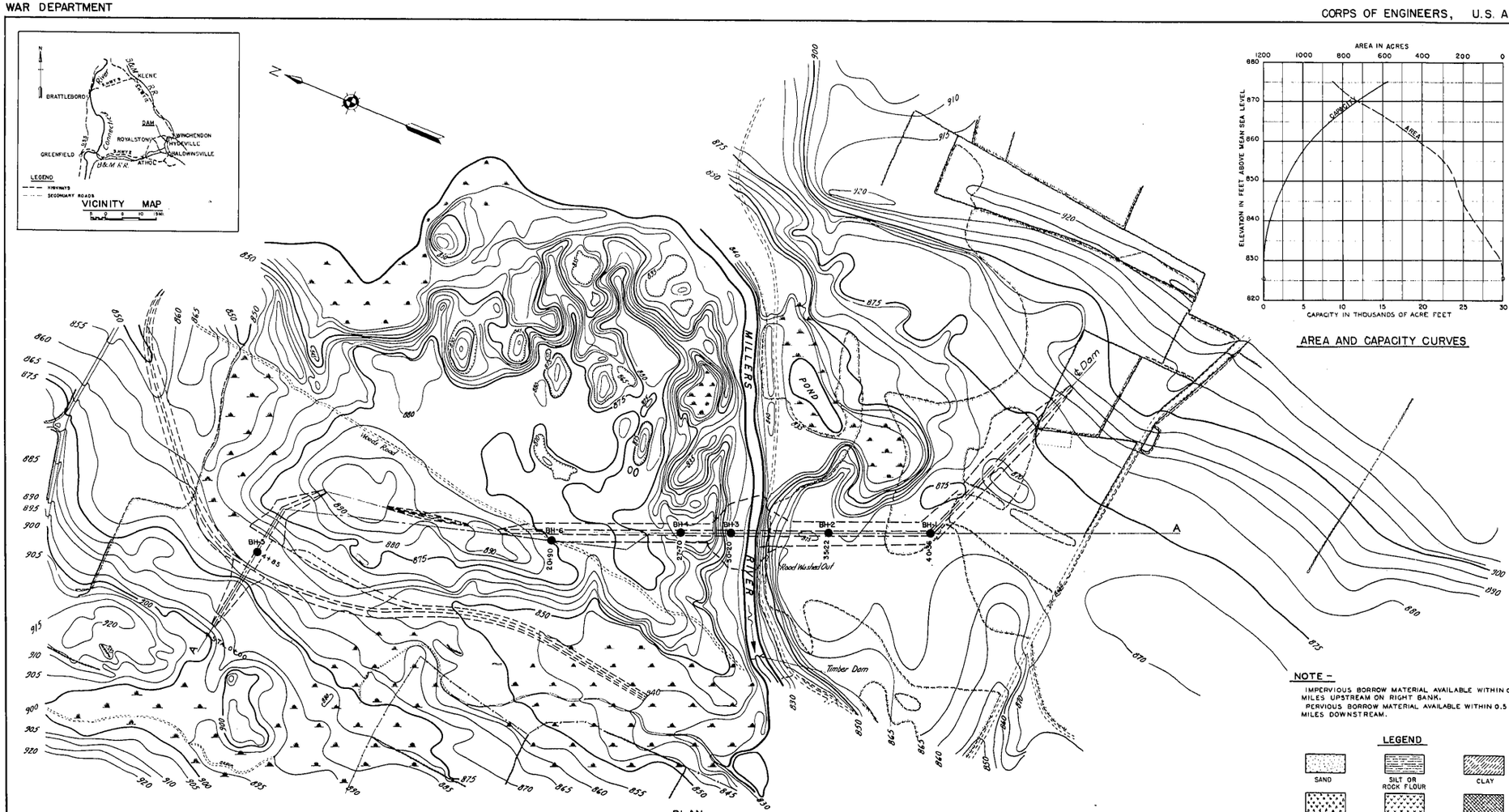
SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY J.E.N. TRACED BY W.L.H. | TO ACCOMPANY REPORT | FILE NO. CT-1-1051

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

AREA AND CAPACITY CURVES



PLAN

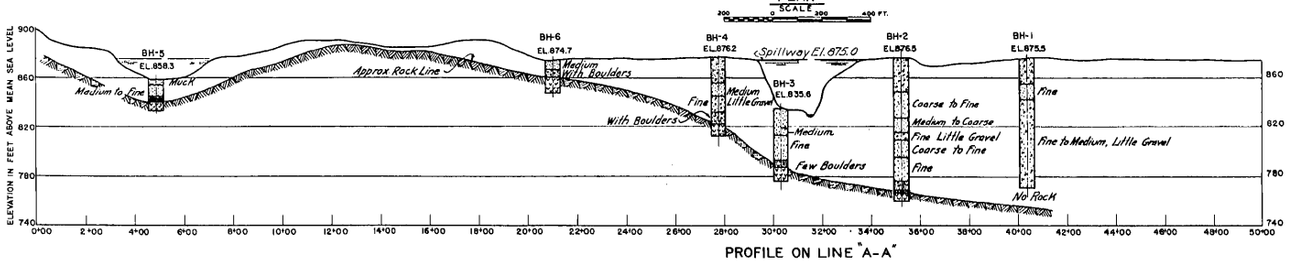
SCALE

NOTE -

IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM ON RIGHT BANK.
PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES DOWNSTREAM.

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
GRANITE
WEATHERED OR FRACTURED ROCK
ROCK OUT CROP
BH = CORE BORING



PROFILE ON LINE "A-A"

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

HYDEVILLE DAM

NO. 60

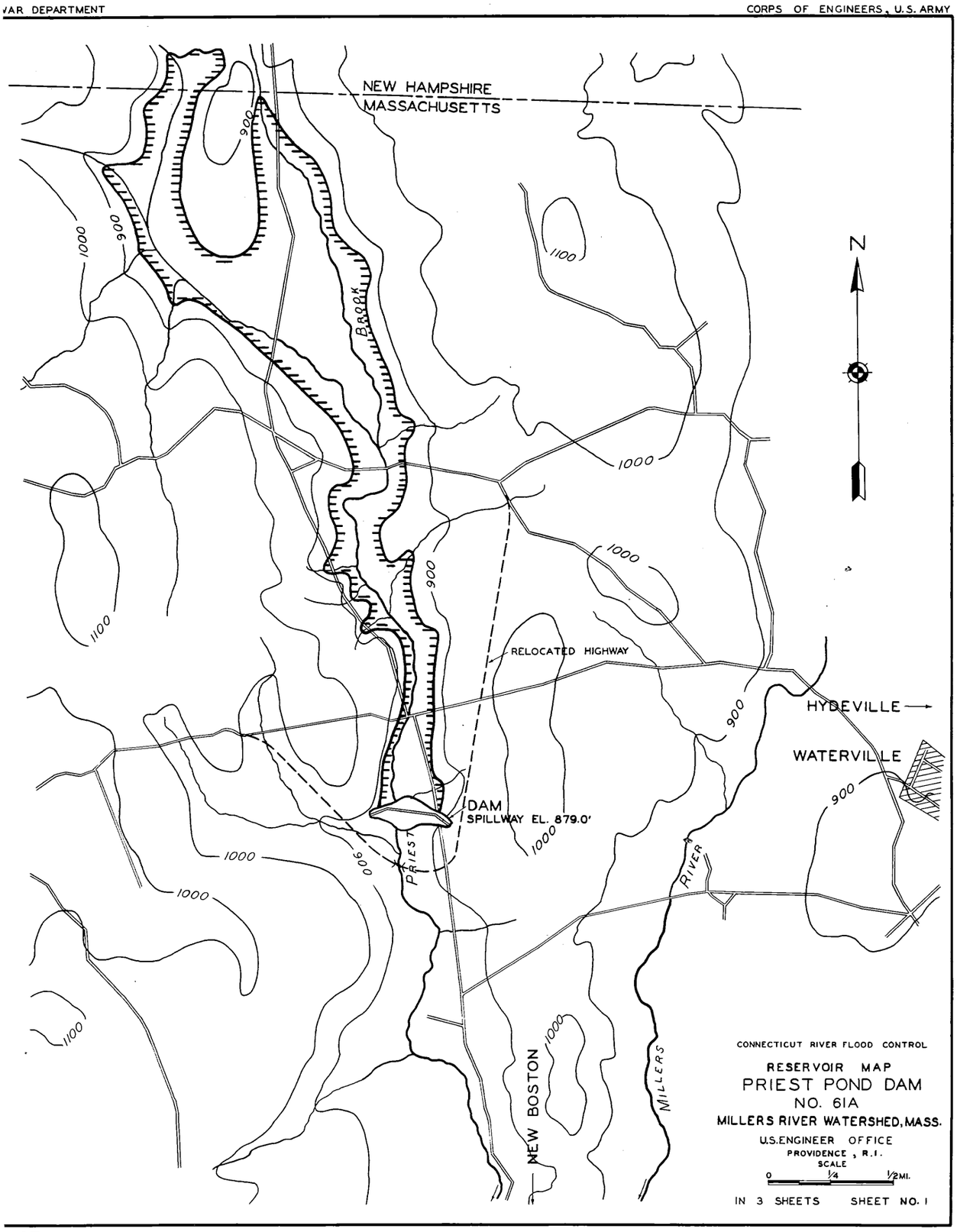
MILLERS RIVER, MASSACHUSETTS

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 3

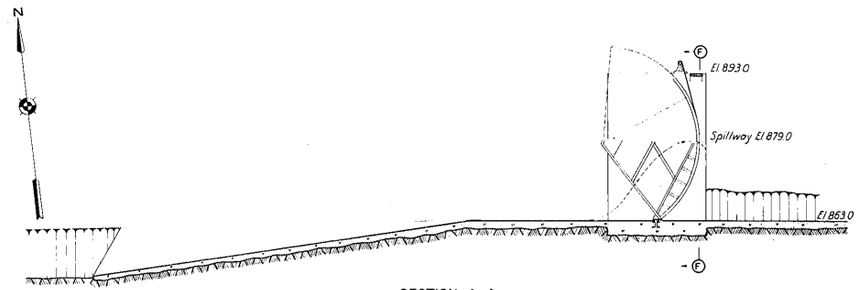
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

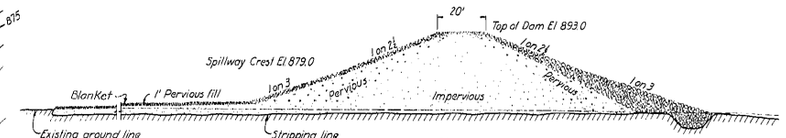
DRAWN BY J.E.P. | TRACED BY V.A.T. | TO ACCOMPANY REPORT | FILE NO.


NEW HAMPSHIRE
MASSACHUSETTS
N
BROOK
PRIEST
RIVER
MILLERS
NEW BOSTON
RELOCATED HIGHWAY
DAM
SPILLWAY EL. 879.0'
HYDEVILLE
WATERVILLE
1000
900
1100
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
PRIEST POND DAM
NO. 61A
MILLERS RIVER WATERSHED, MASS.
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 1/4 1/2 MI.
IN 3 SHEETS SHEET NO. 1

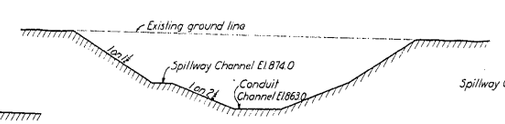
PLAN
SCALE



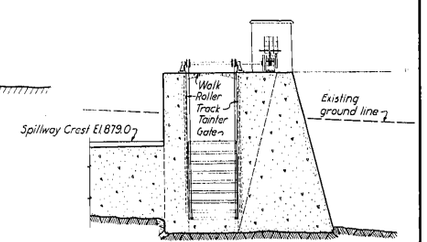
SECTION A-A
SCALE



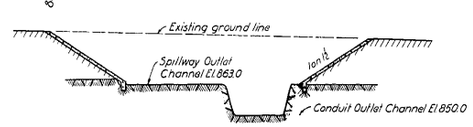
SECTION B-B
SCALE



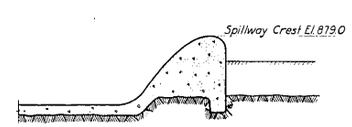
SECTION C-C
SCALE



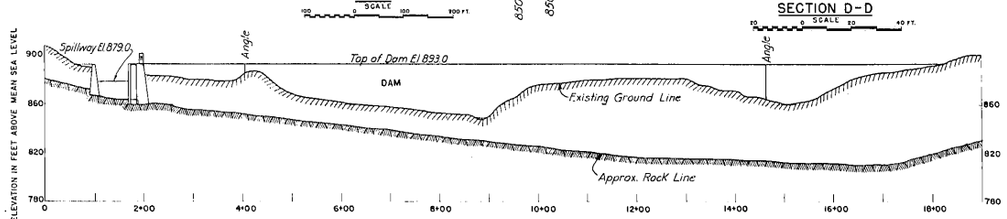
SECTION F-F
SCALE



SECTION D-D
SCALE



SECTION E-E
SCALE



PROFILE ON ℄ DAM

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

PRIEST POND DAM

NO. 61A

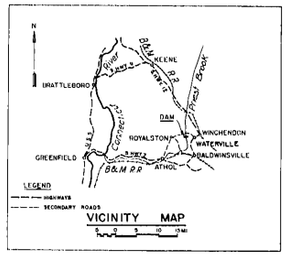
MILLERS RIVER WATERSHED, MASSACHUSETTS

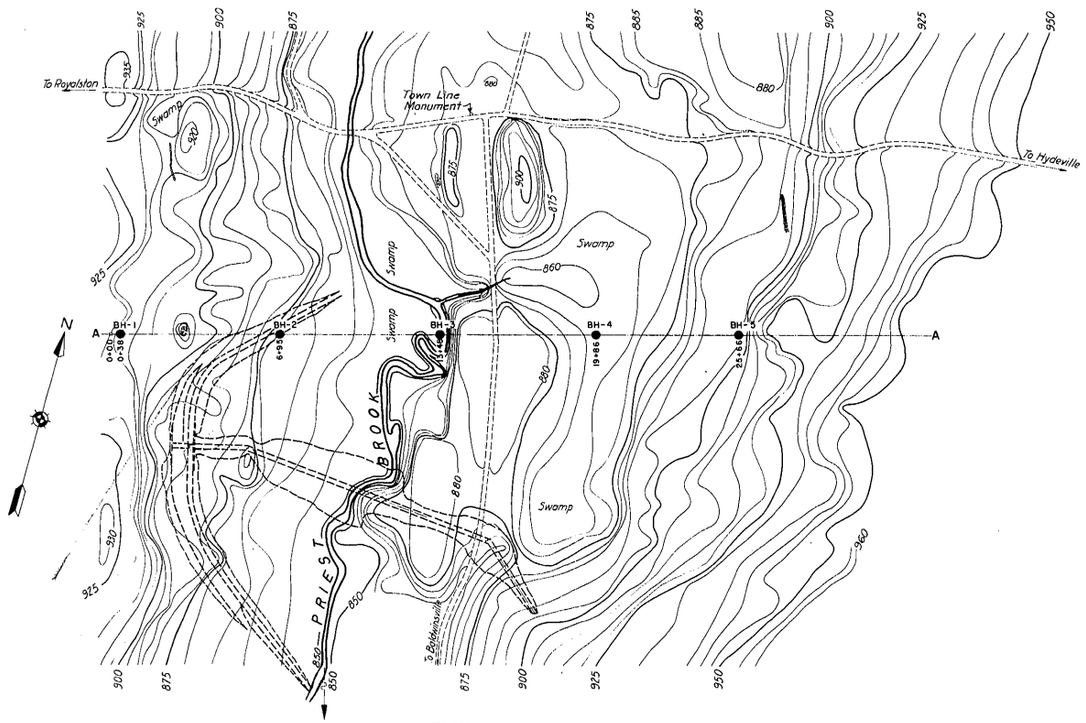
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: Howard B. Fabens, ENGINEER | APPROVAL RECOMMENDED: Clarence Hobart, PRINCIPAL ENGINEER | APPROVED: [illegible], COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

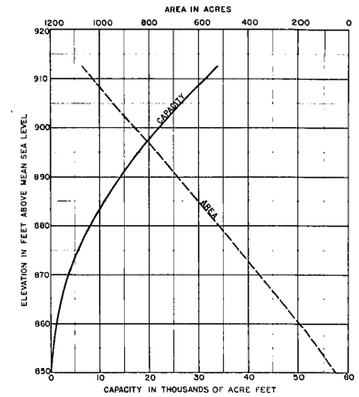
DRAWN BY D.P. | TRACED BY [illegible] | TO ACCOMPANY REPORT | FILE NO.





PLAN

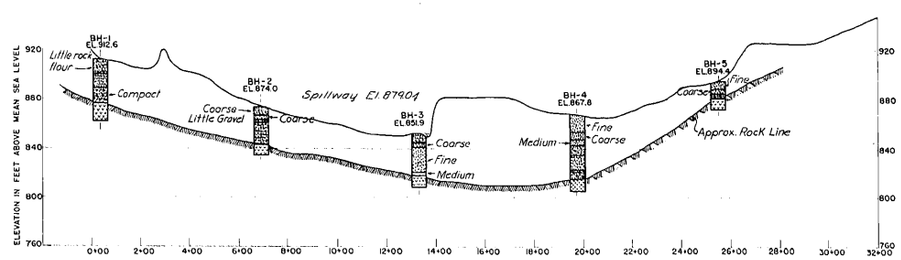
SCALE



AREA AND CAPACITY CURVES

NOTE:

IMPERVIOUS AND PERVIOUS BORROW MATERIAL AVAILABLE ON THE RIGHT BANK WITHIN 0.5 MILES.



PROFILE ON LINE "A-A"

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
GRANITE
WEATHERED OR FRACTURED ROCK
ROCK OUT-CROP
BH• CORE BORE HOLE

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

PRIEST POND DAM

NO. 61-A

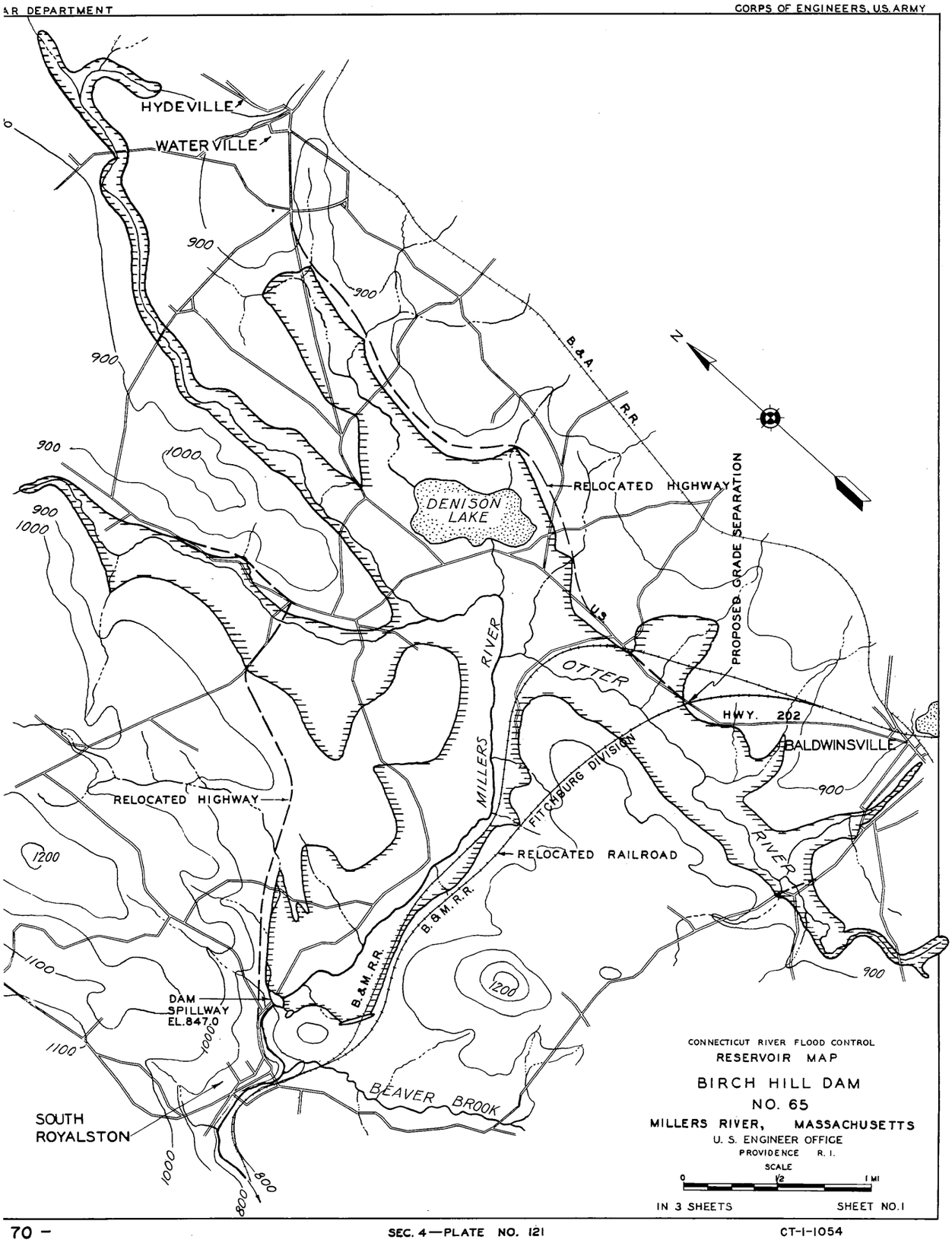
MILLERS RIVER WATERSHED. MASSACHUSETTS

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 3

U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937

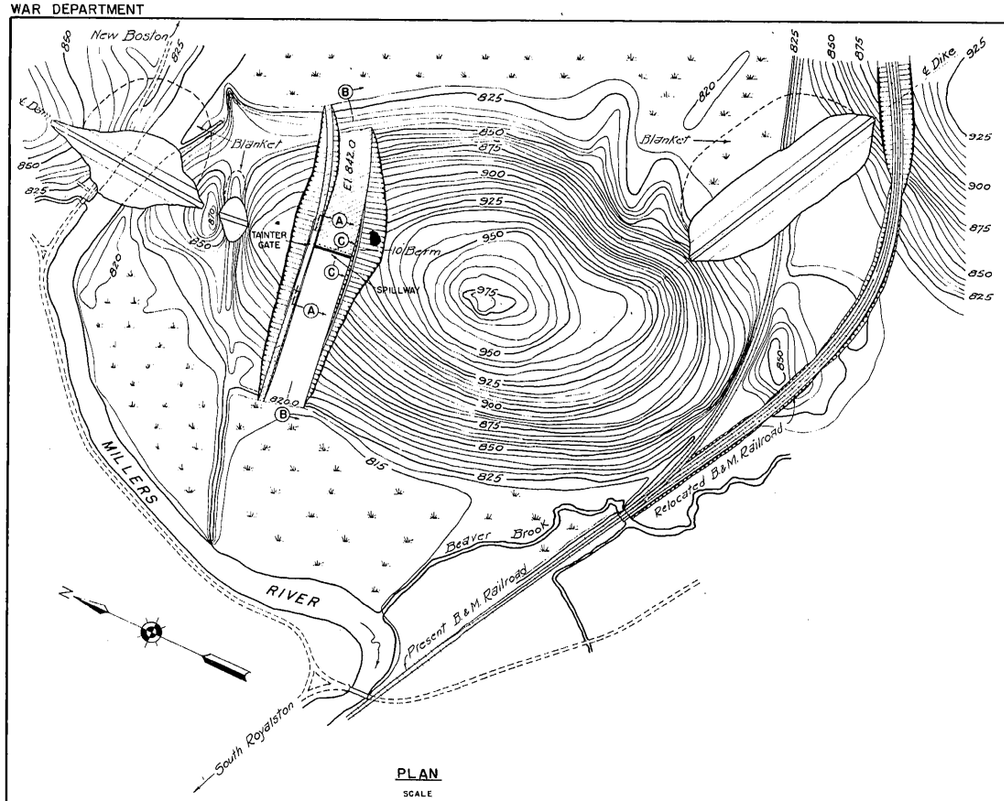
SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY: J.E.P. TRACED BY: H.W.S. | TO ACCOMPANY REPORT | FILE NO.


HYDEVILLE
WATERVILLE
900
1000
1200
1100
800
DENISON LAKE
RELOCATED HIGHWAY
B.&A. R.R.
U.S. HWY. 202
PROPOSED GRADE SEPARATION
OTTER RIVER
MILLERS RIVER
FITCHBURG DIVISION
BALDWINSVILLE
RELOCATED RAILROAD
B.&M.R.R.
DAM
SPILLWAY
EL.847.0
BEAVER BROOK
SOUTH ROYALSTON
N
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
BIRCH HILL DAM
NO. 65
MILLERS RIVER, MASSACHUSETTS
U. S. ENGINEER OFFICE
PROVIDENCE R. I.
SCALE
0 1/2 1 MI
IN 3 SHEETS
SHEET NO. 1

WAR DEPARTMENT

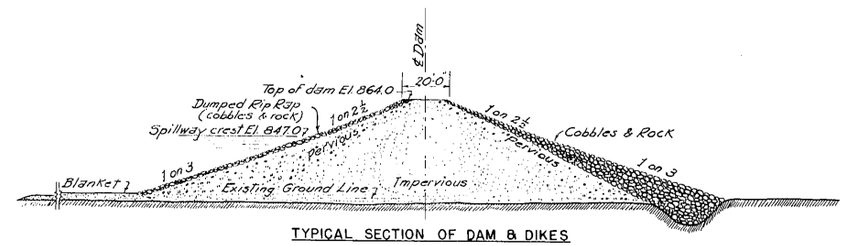
CORPS OF ENGINEERS, U. S. ARMY



PLAN

SCALE

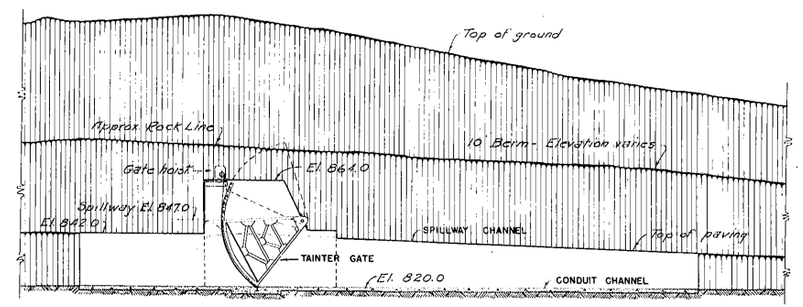
200 0 200 400 FT.



TYPICAL SECTION OF DAM & DIKES

SCALE

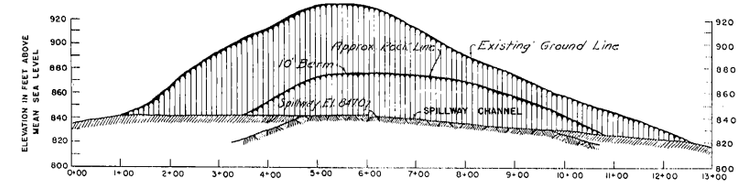
20 0 20 40 FT.



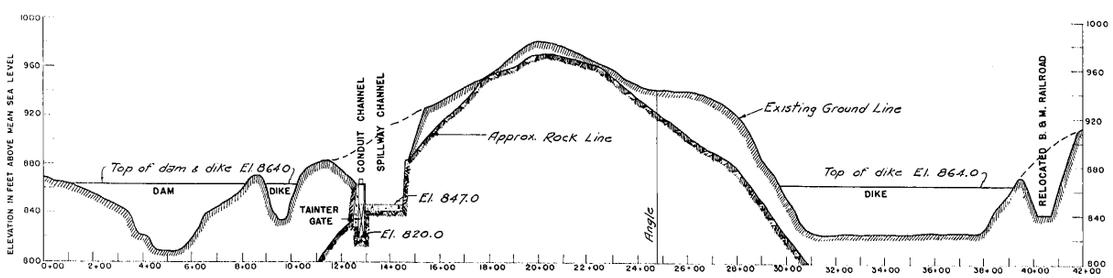
SECTION "A-A"

SCALE

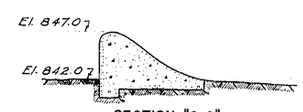
20 0 20 40 FT.



PROFILE "B-B"



PROFILE ON ℄ OF DAM, DIKES, & SPILLWAY



SECTION "C-C"

SCALE

5 0 5 10 FT.

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

BIRCH HILL

NO. 65

MILLERS WATERSHED, MASSACHUSETTS

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

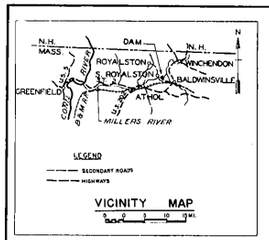
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

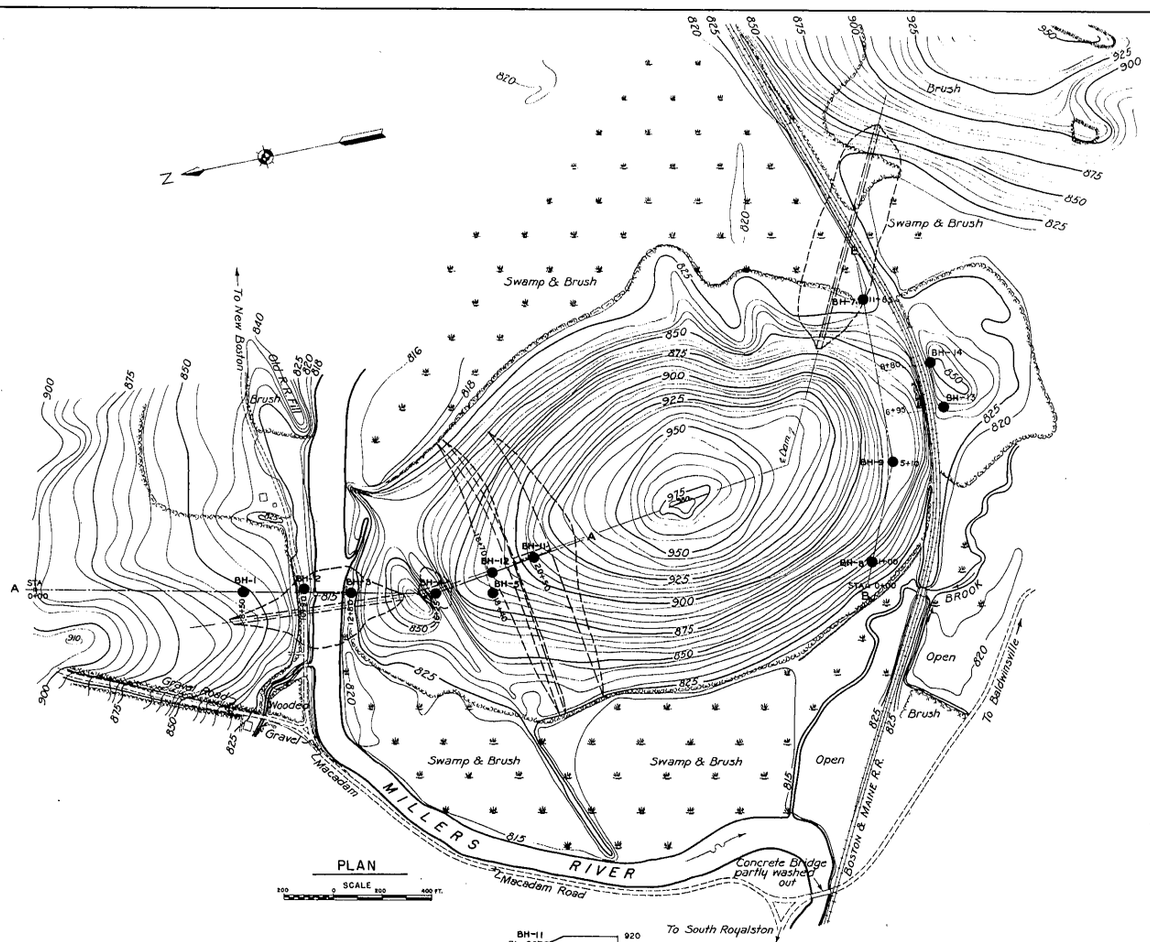
SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

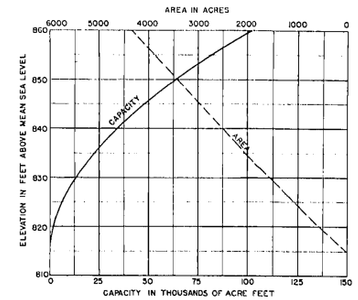
DRAWN BY: L. J. H. | TO ACCOMPANY REPORT | FILE NO.

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY







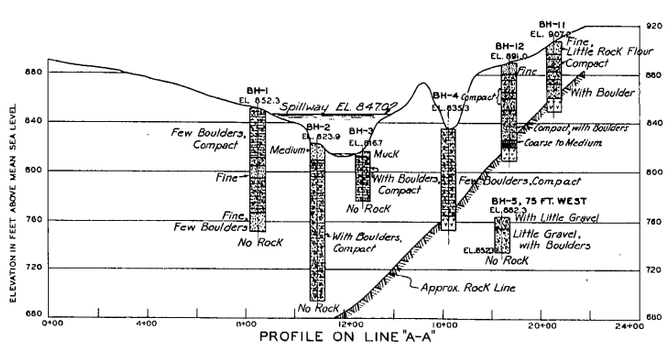
AREA AND CAPACITY CURVES

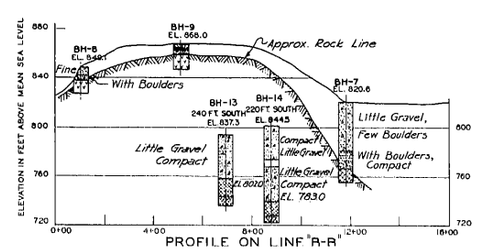
NOTE

IMPERVIOUS AND PERVIOUS BORROW MATERIAL AVAILABLE FROM SELECTED PORTIONS OF SPILLWAY EXCAVATION SUPPLEMENTED BY ADDITIONAL MATERIAL WITHIN 0.3 MILES.

LEGEND

SAND
SILT OR ROCK FLOUR
GRAVEL
CLAY
GRANITE
WEATHERED OR FRACTURED ROCK
ROCK OUT-CROP
BH = CORE BORING





CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

BIRCH HILL DAM

NO. 65

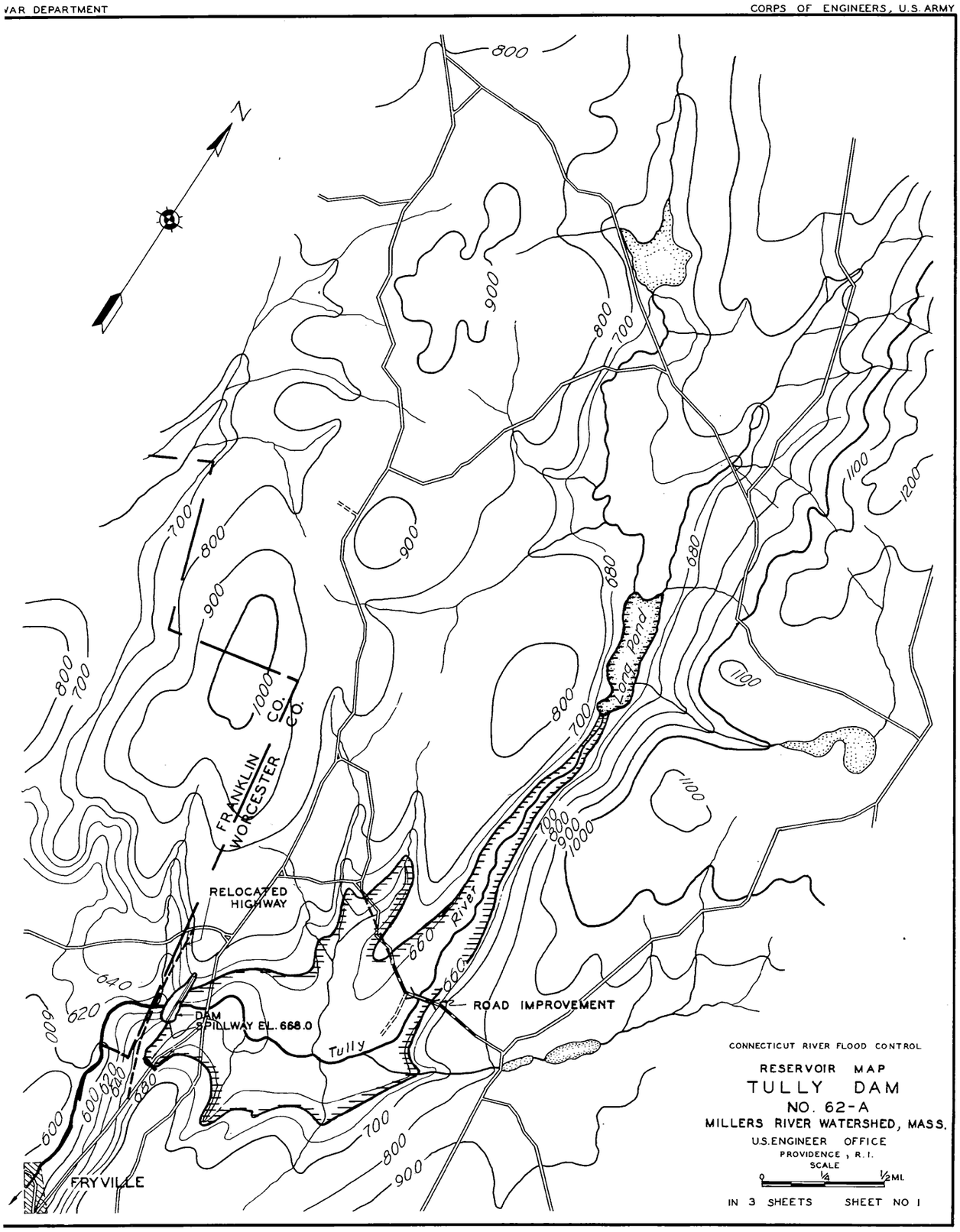
MILLERS RIVER, MASSACHUSETTS

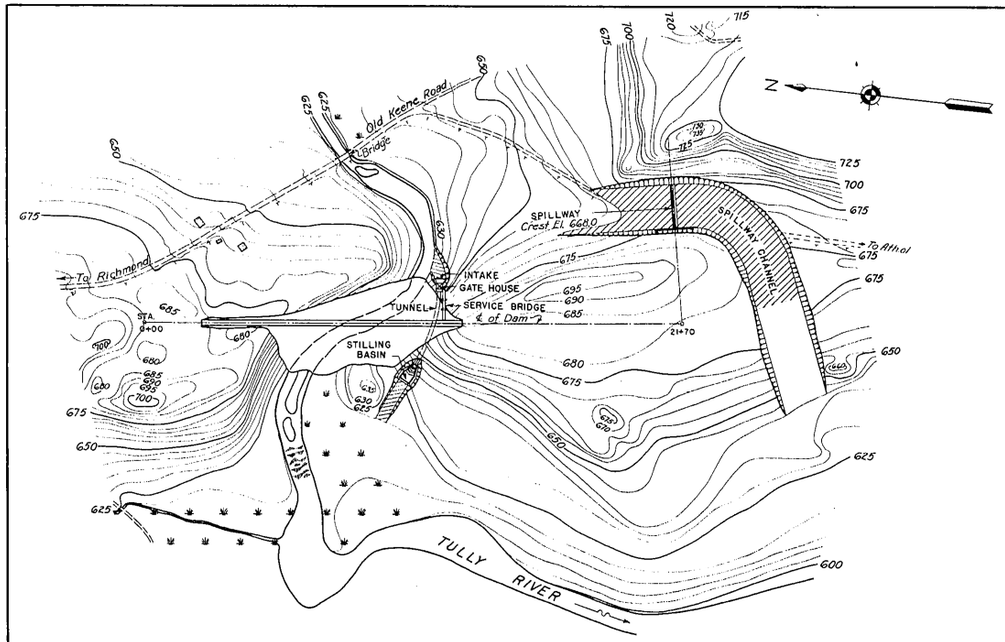
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 3

U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

SUBMITTED: GEOLOGIST | RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

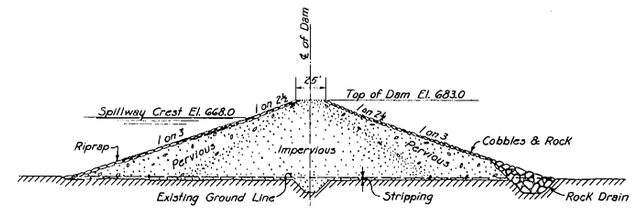
DRAWN BY J.L.P. TRACED BY E.G. | TO ACCOMPANY REPORT DATED MARCH 20 1937 | FILE NO. CT-2-1024


N
800
900
700
680
1100
1200
1000
FRANKLIN CO.
WORCESTER CO.
Long Pond
RELOCATED HIGHWAY
River
660
ROAD IMPROVEMENT
DAM
SPILLWAY EL. 668.0
Tully
640
620
600
FRYVILLE
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
TULLY DAM
NO. 62-A
MILLERS RIVER WATERSHED, MASS.
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 1/4 1/2 MI.
IN 3 SHEETS SHEET NO 1



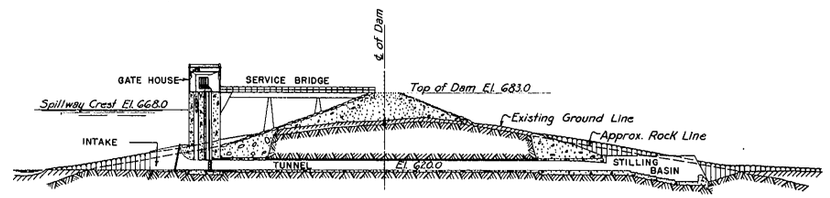
PLAN

SCALE 200 0 200 400 FT.



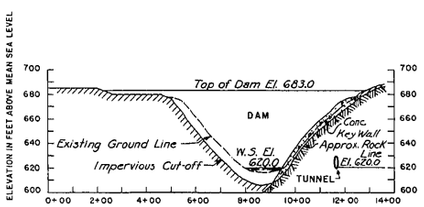
TYPICAL SECTION OF DAM

SCALE 40 0 40 80 FT.

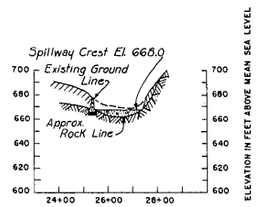


SECTION THROUGH ℄ OF TUNNEL

SCALE 40 0 40 80 FT.



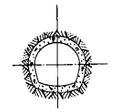
PROFILE ON ℄ OF DAM



PROFILE THROUGH SPILLWAY

SECTION ON ℄ OF SPILLWAY

SCALE 40 0 40 80 FT.



CROSS SECTION OF TUNNEL

SCALE 10 0 10 20 FT.

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

TULLY DAM

NO. 62-A

MILLERS RIVER WATERSHED, MASSACHUSETTS

IN 3 SHEETS — SCALE AS SHOWN — SHEET NO. 2

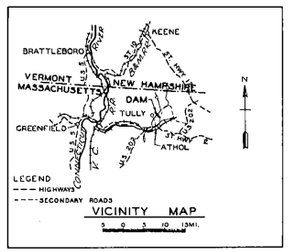
U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

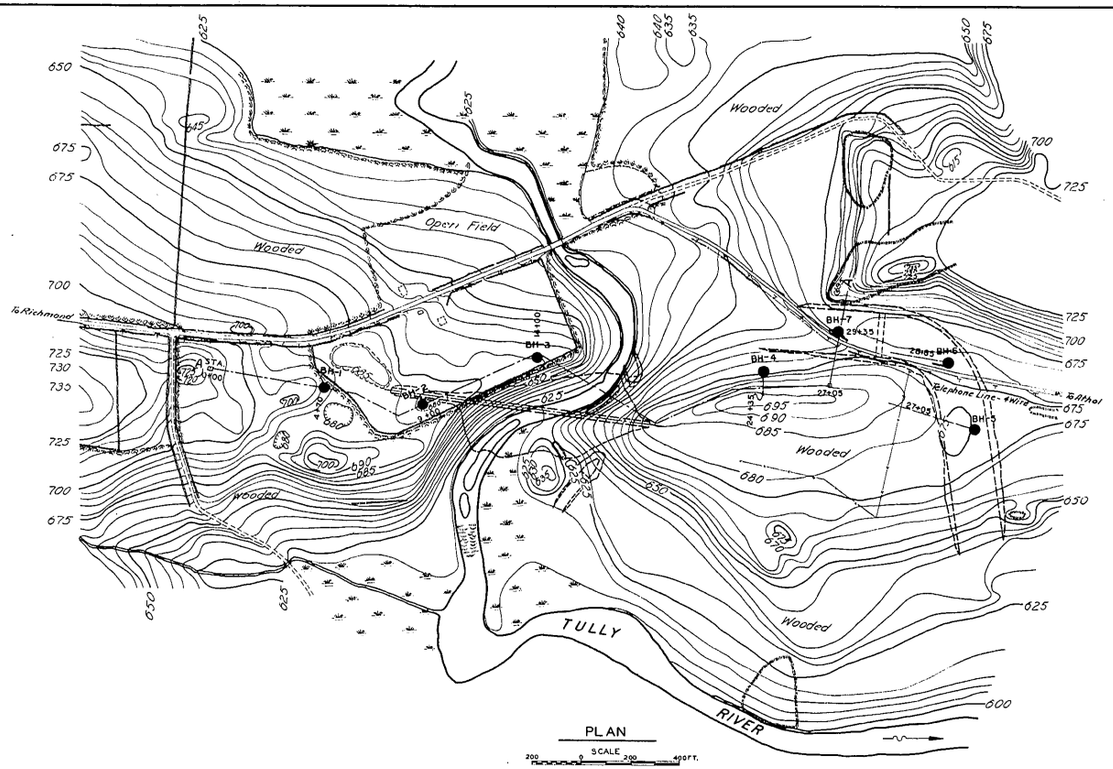
SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY: J.E.N. TRACED BY: E.O. CHECKED BY: J.B. — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-1-1057

WAR DEPARTMENT

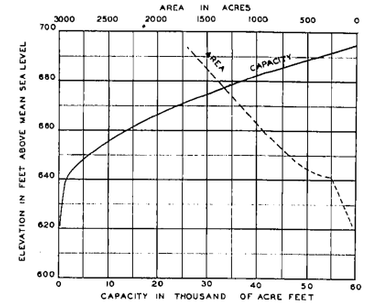
CORPS OF ENGINEERS, U.S. ARMY





PLAN

SCALE 200 0 200 400 FT.



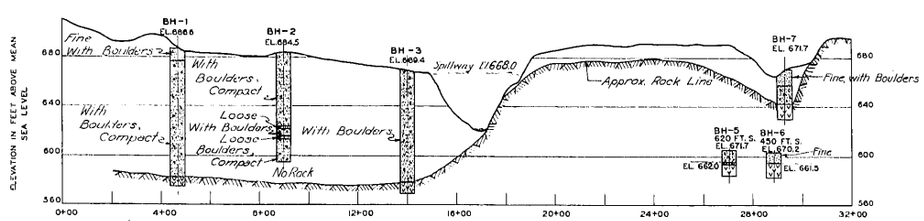
AREA AND CAPACITY CURVES

NOTE:

IMPERVIOUS AND PERVIOUS BORROW MATERIAL AVAILABLE UPSTREAM ON RIGHT BANK WITHIN 0.5 MILES.

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
GRANITE
WEATHERED OR FRACTURED ROCK
ROCK OUT CROP
BH = CORE BORING



PROFILE ON LINE "A-A"

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

TULLY DAM

NO. 62 A

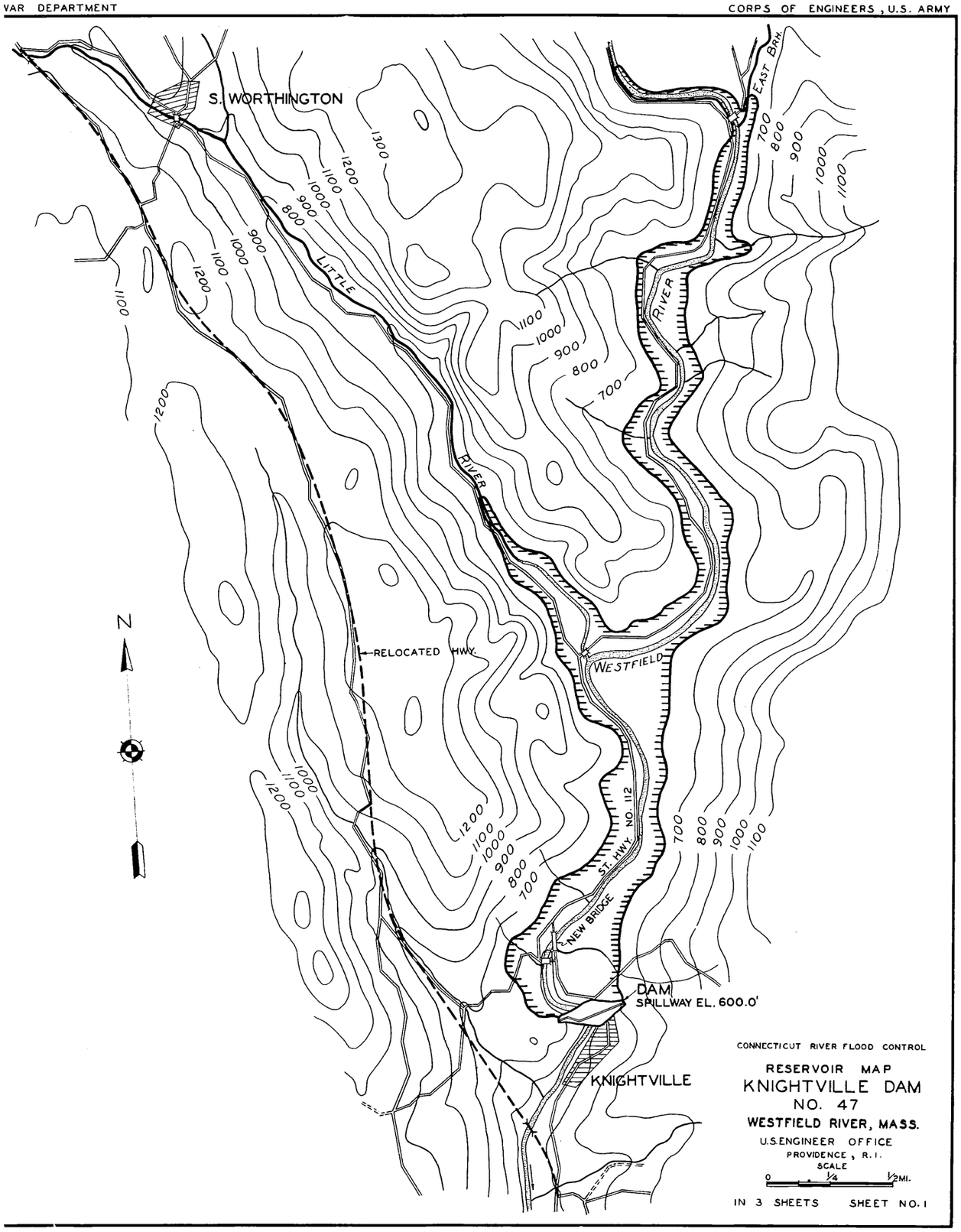
MILLERS RIVER WATERSHED, MASSACHUSETTS

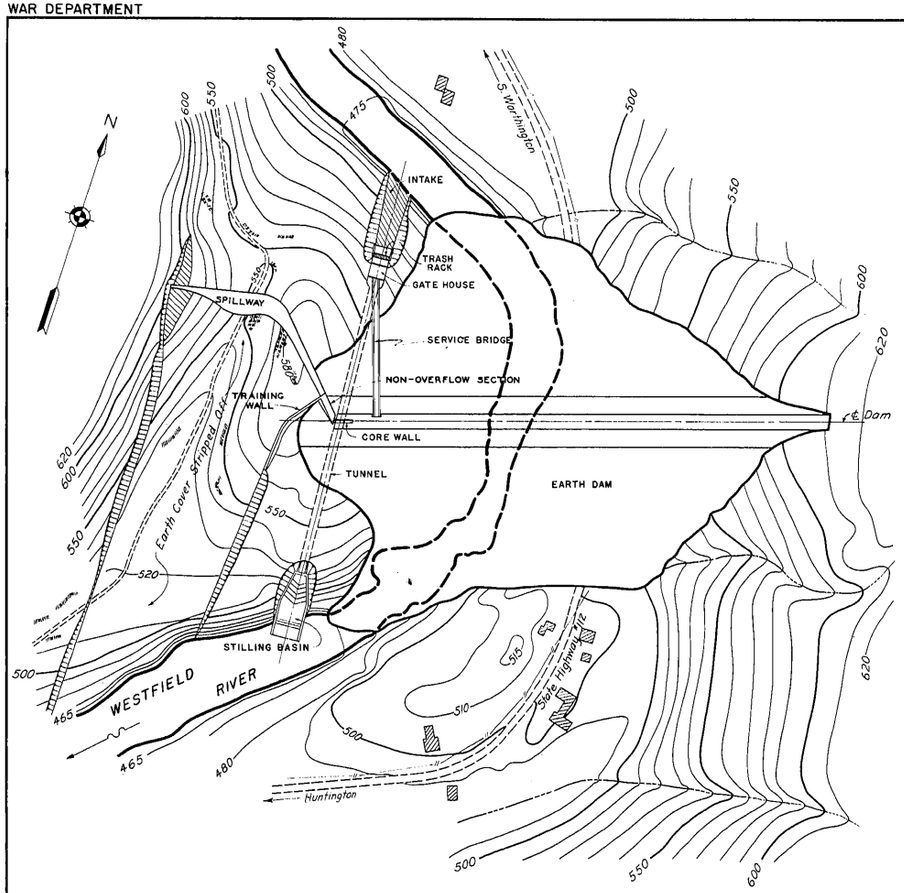
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 3

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

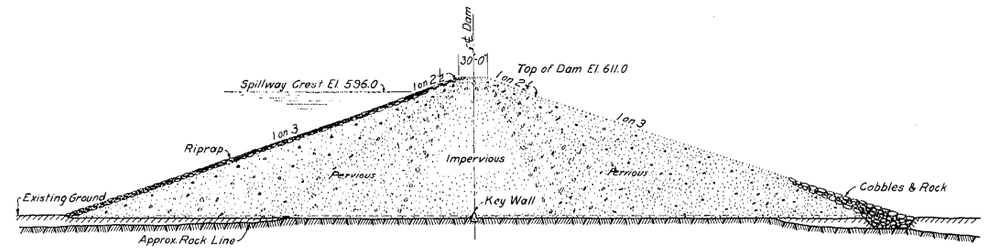
DRAWN BY J.E.P. | TO ACCOMPANY REPORT | FILE NO.


S. WORTHINGTON
LITTLE
RIVER
EAST BRN.
RIVER
WESTFIELD
RELOCATED HWY.
ST. HWY. NO. 112
NEW BRIDGE
DAM
SPILLWAY EL. 600.0'
KNIGHTVILLE
N
1300
1200
1100
1000
900
800
700
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
KNIGHTVILLE DAM
NO. 47
WESTFIELD RIVER, MASS.
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 1/4 1/2 MI.
IN 3 SHEETS SHEET NO. 1



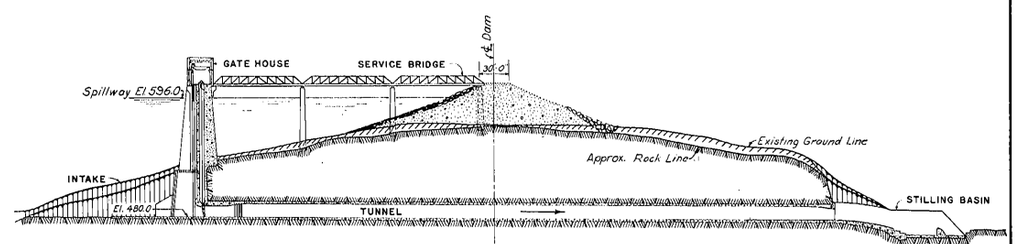
PLAN

SCALE 100 0 100 200 FT.



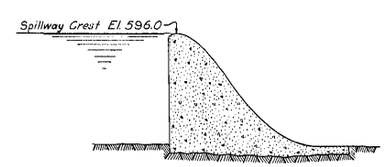
TYPICAL SECTION OF DAM

SCALE 50 0 50 100 FT.



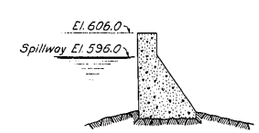
PROFILE ON ℄ OF TUNNEL

SCALE 50 0 50 100 FT.



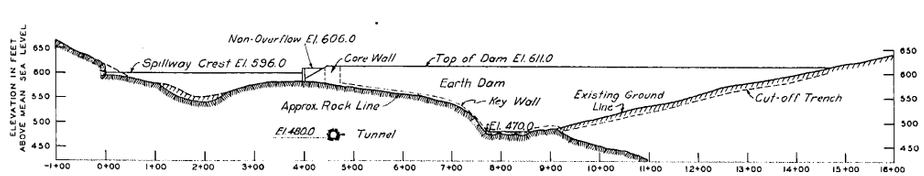
MAXIMUM SPILLWAY SECTION

SCALE 20 0 20 40 FT.

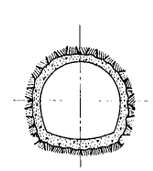


NON OVERFLOW SECTION

SCALE 20 0 20 40 FT.



PROFILE ON ℄ OF DAM



SECTION THRU TUNNEL

SCALE 10 0 10 20 FT.

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

KNIGHTVILLE DAM

NO. 47

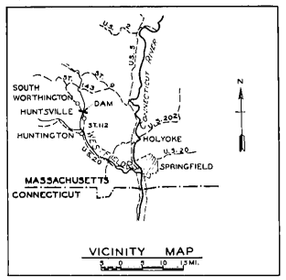
WESTFIELD RIVER, MASSACHUSETTS

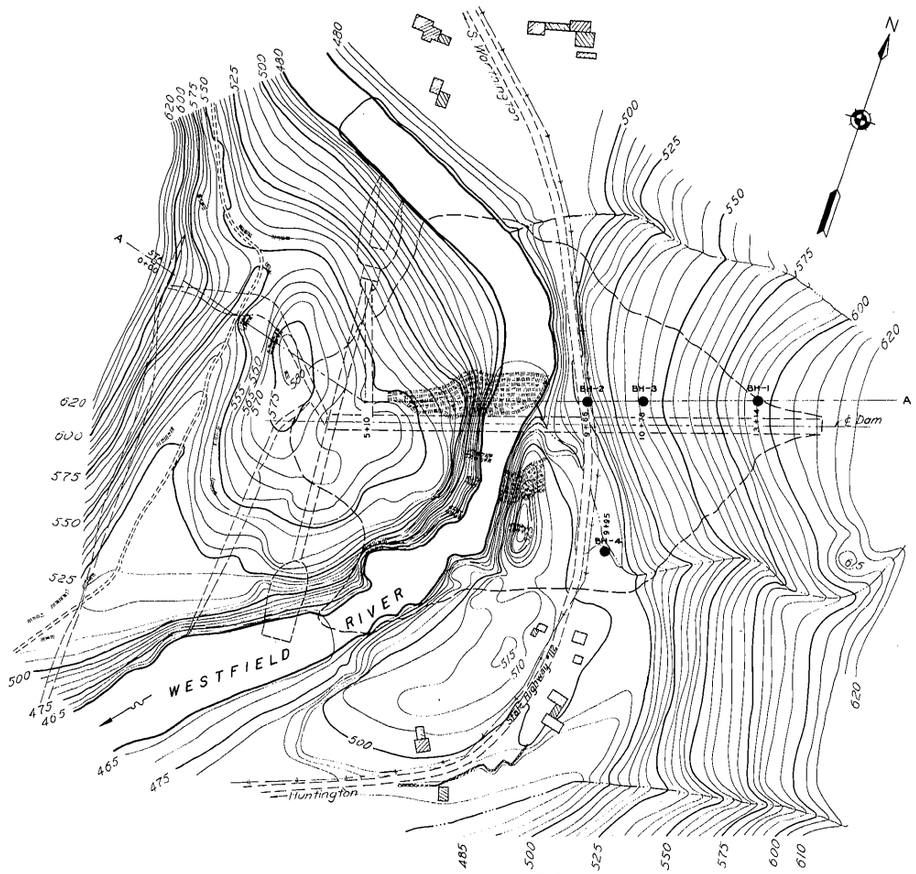
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

U. S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937

SUBMITTED:	APPROVAL RECOMMENDED:	APPROVED:
ENGINEER	PRINCIPAL ENGINEER	LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

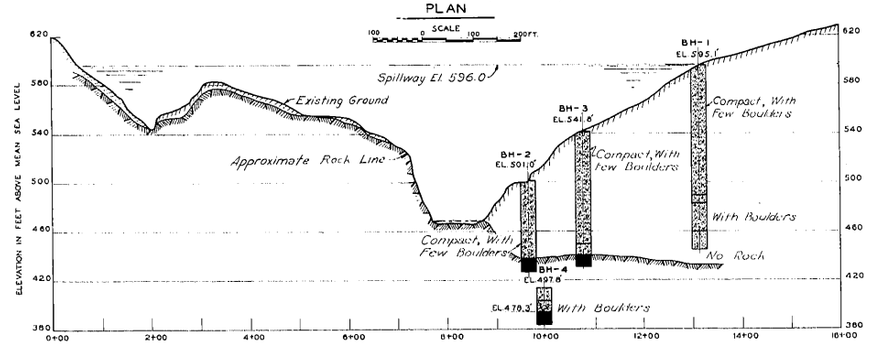
DRAWN BY: F.O.G.M.	TO ACCOMPANY	REPORT	FILE NO.



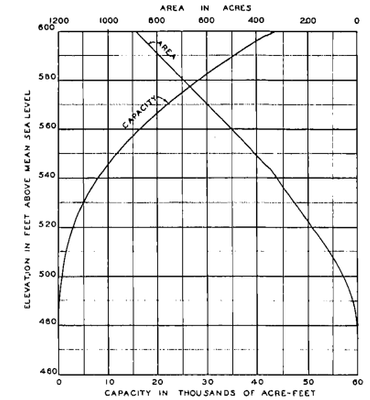


PLAN

SCALE 100 0 100 200 FT.



PROFILE ON LINE "A-A"



AREA AND CAPACITY CURVES

NOTE:
HYDRAULIC BORROW MATERIAL AVAILABLE ABOVE THE LEFT ABUTMENT OF THE DAM WITHIN 0.25 MILE.

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
ROCK OUT CROP
BH = CORE BORING

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

KNIGHTVILLE DAM

NO. 47

WESTFIELD RIVER. MASSACHUSETTS

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 3

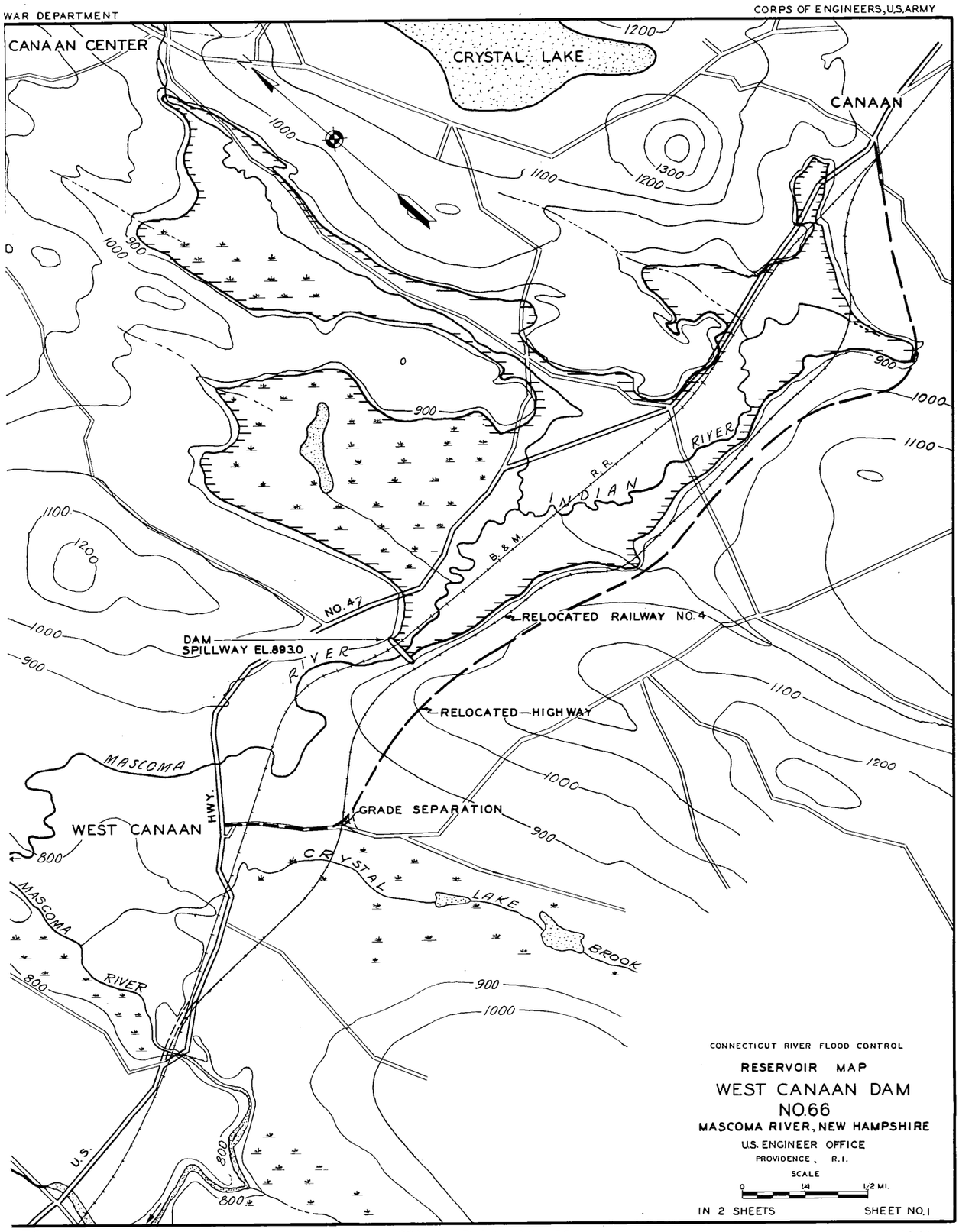
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY: J.E.P. | TO ACCOMPANY REPORT | TRACED BY: P.J.G. | DATED: MARCH 30, 1937 | FILE NO. CT-3-1036

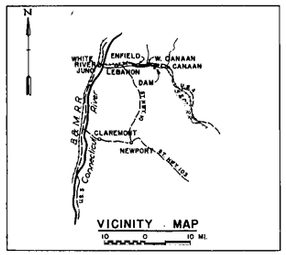
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



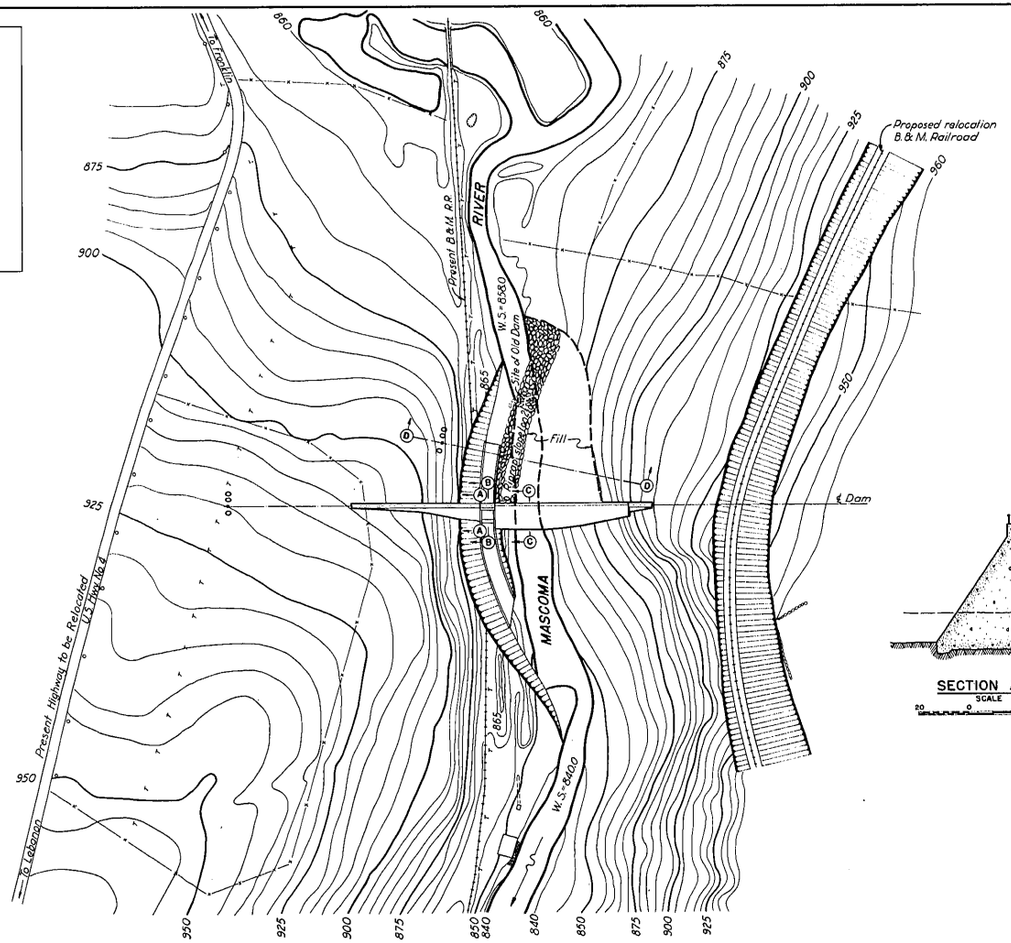
SEC. 4—PLATE NO. 130

CT-1-1066



VICINITY MAP

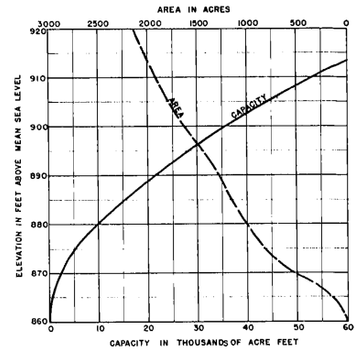
10 0 10 MI.



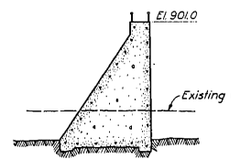
PLAN

SCALE

100 0 100 200 FT.



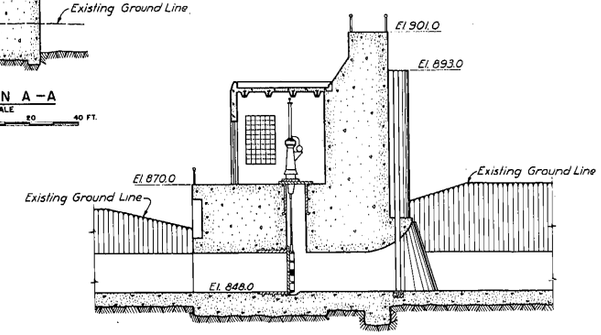
AREA AND CAPACITY CURVES



SECTION A-A

SCALE

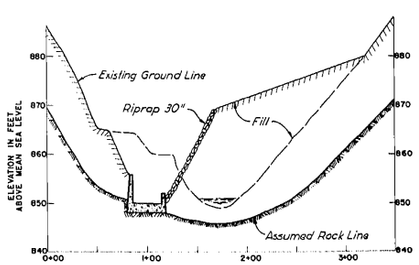
20 0 20 40 FT.



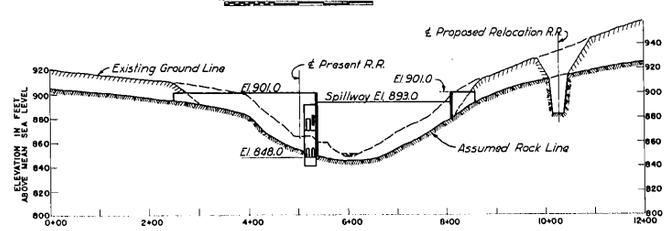
SECTION B-B

SCALE

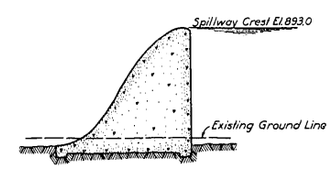
10 0 10 20 FT.



PROFILE AT "D-D"



PROFILE ON ℄ DAM



SECTION C-C

SCALE

20 0 20 40 FT.

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

WEST CANAAN DAM

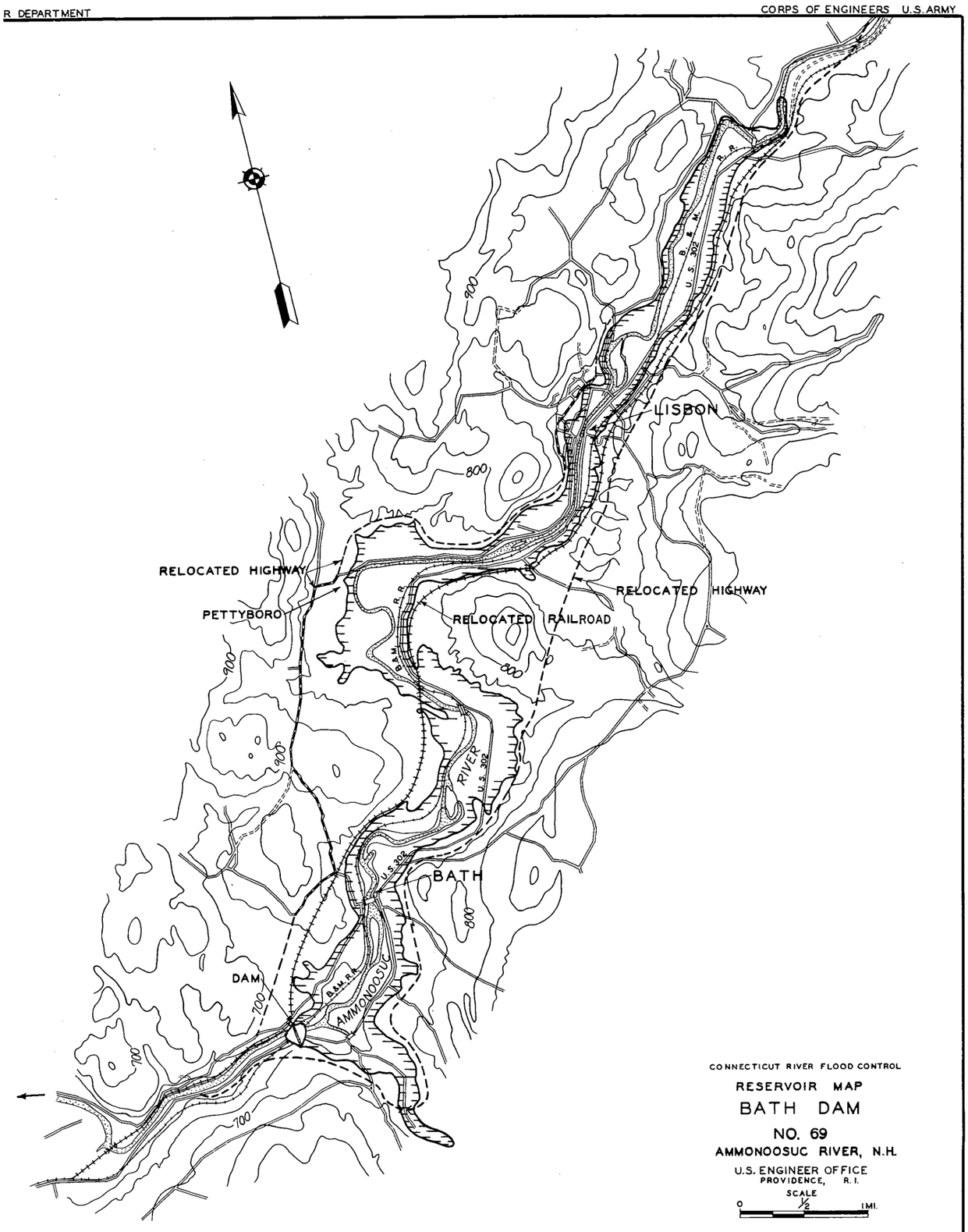
MASCOMA RIVER — NEW HAMPSHIRE

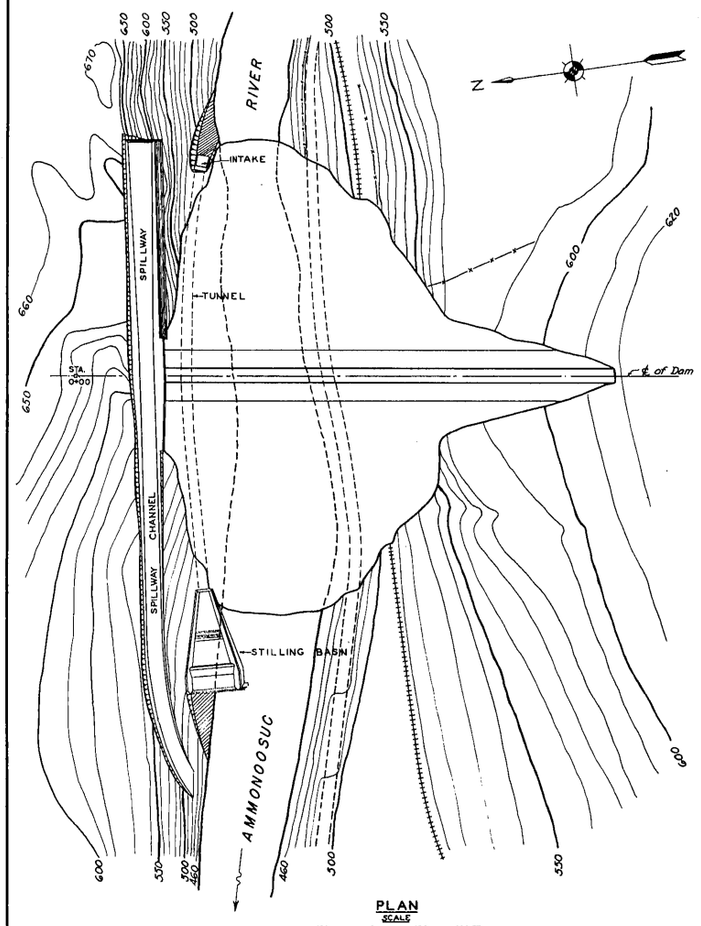
IN 3 SHEETS — SCALE AS SHOWN — SHEET NO. 2

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

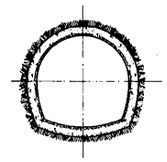
SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY F.W.S. & J.D.M. — TRACED BY H.W.J. — TO ACCOMPANY REPORT — FILE NO. 67-1-1057

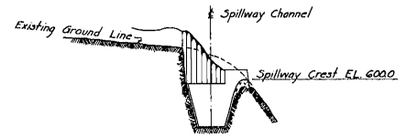

LISBON
RELOCATED HIGHWAY
PETTYBORO
RELOCATED RAILROAD
RELOCATED HIGHWAY
BATH
DAM
AMMONOOSUC
RIVER
U.S. 302
B.&M. R.R.
700
800
900
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
BATH DAM
NO. 69
AMMONOOSUC RIVER, N.H.
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 1/2 1 MI.



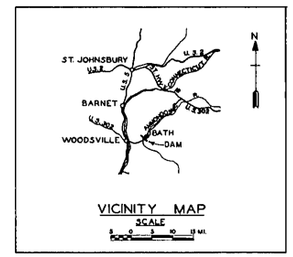
PLAN
SCALE
100 0 100 200 FT.



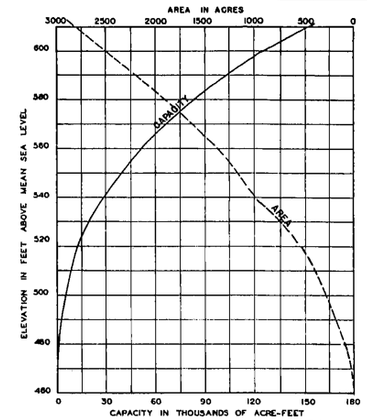
SECTION THROUGH TUNNEL
SCALE
10 0 10 20 FT.



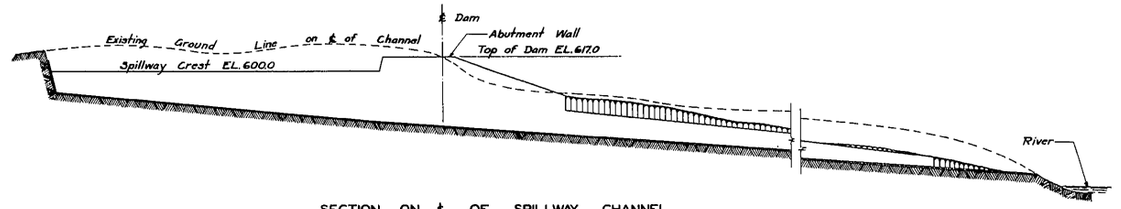
SECTION THROUGH SPILLWAY
SCALE
60 0 60 120 FT.



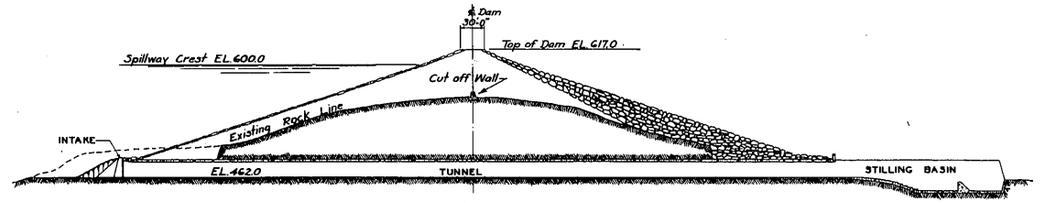
VICINITY MAP
SCALE
5 0 5 10 15 MI.



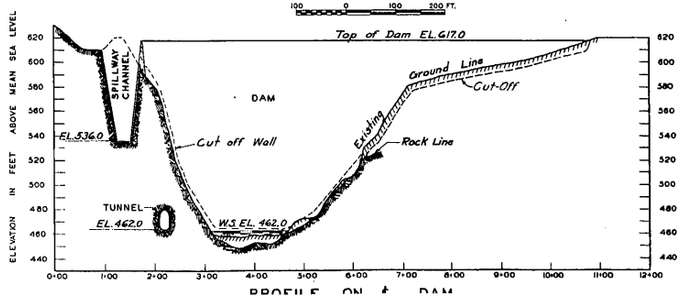
AREA AND CAPACITY CURVES



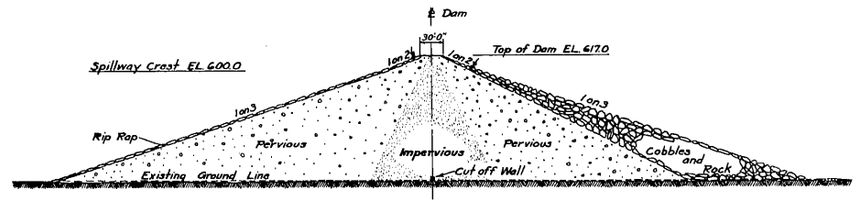
SECTION ON ℄ OF SPILLWAY CHANNEL
SCALE
60 0 60 120 FT.



SECTION ON ℄ OF TUNNEL
SCALE
60 0 60 120 FT.

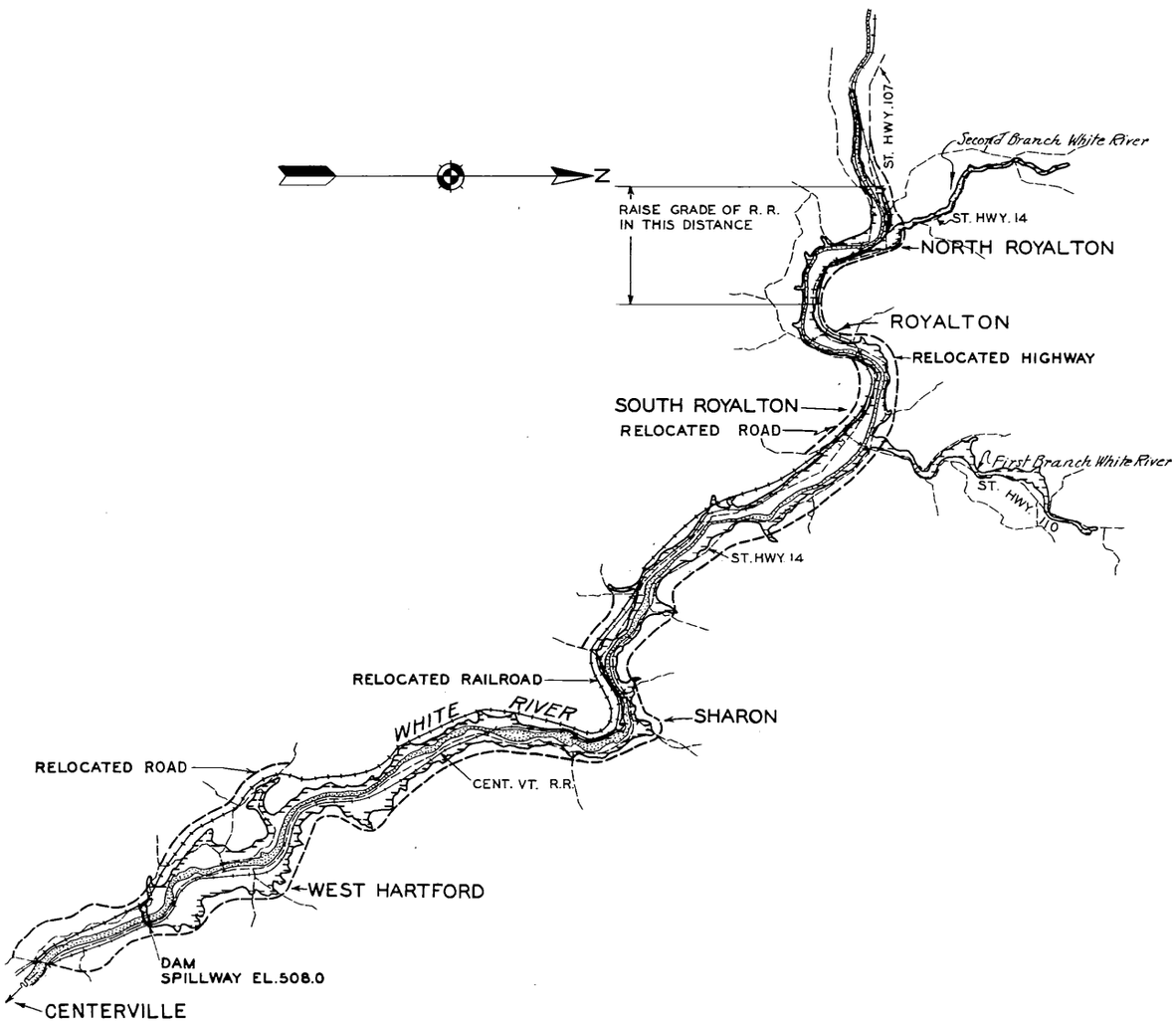


PROFILE ON ℄ DAM



TYPICAL SECTION
SCALE
60 0 60 120 FT.

CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
BATH DAM
NO. 69
AMMONOOSUC RIVER, NEW HAMPSHIRE
IN 2 SHEETS SCALE AS SHOWN SHEET NO. 2
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED: ENGINEER
APPROVAL RECOMMENDED: PRINCIPAL ENGINEER
APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

CENTERVILLE DAM

NO. 70

WHITE RIVER, VERMONT

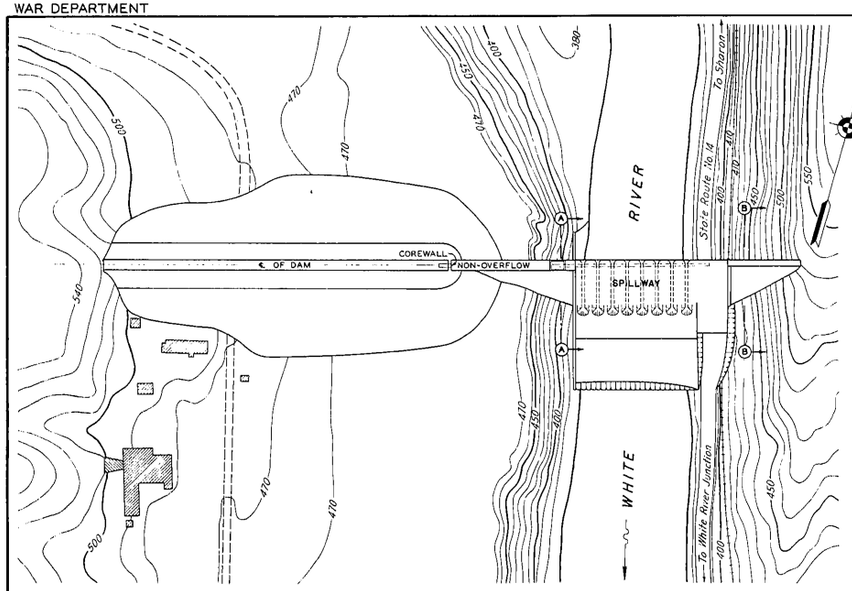
U. S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

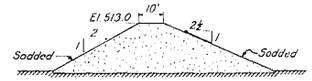
0 1 2MI.

IN 2 SHEETS SHEET NO. 1



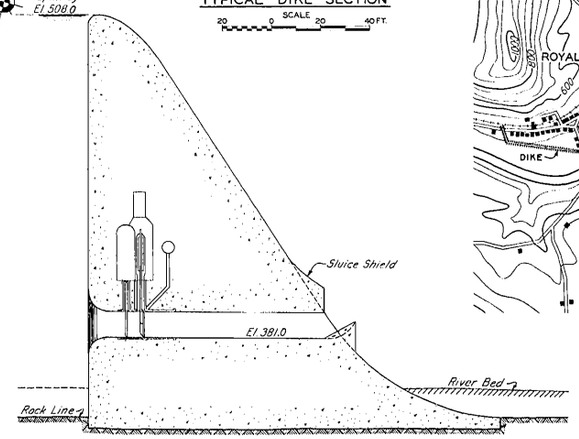
PLAN

SCALE 100 0 100 200 FT.



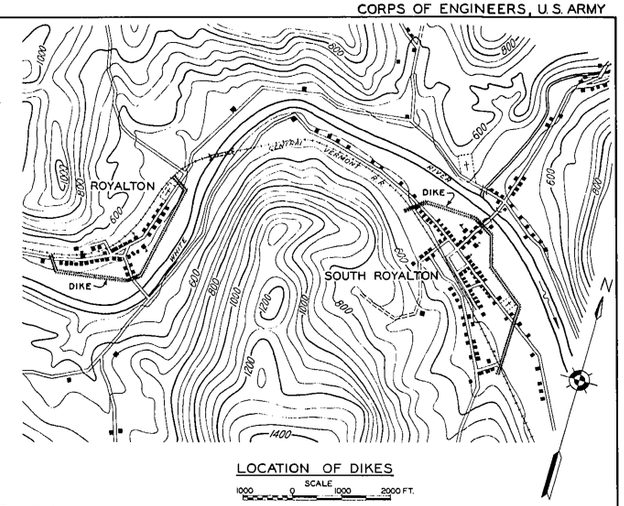
TYPICAL DIKE SECTION

SCALE 20 0 20 40 FT.



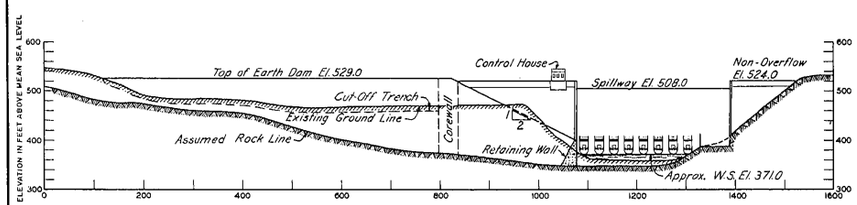
TYPICAL SECTION OF SPILLWAY

SCALE 20 0 20 40 FT.

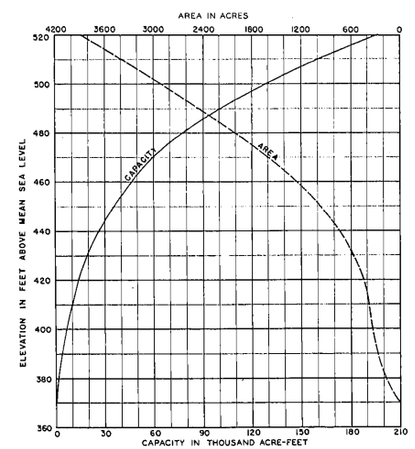


LOCATION OF DIKES

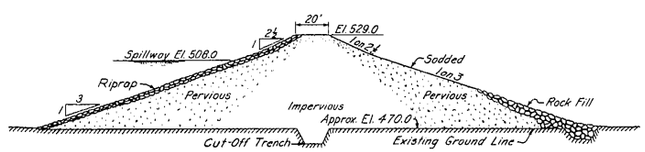
SCALE 1000 0 1000 2000 FT.



DOWN STREAM ELEVATION

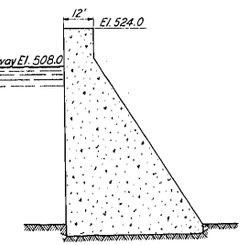


AREA AND CAPACITY CURVE



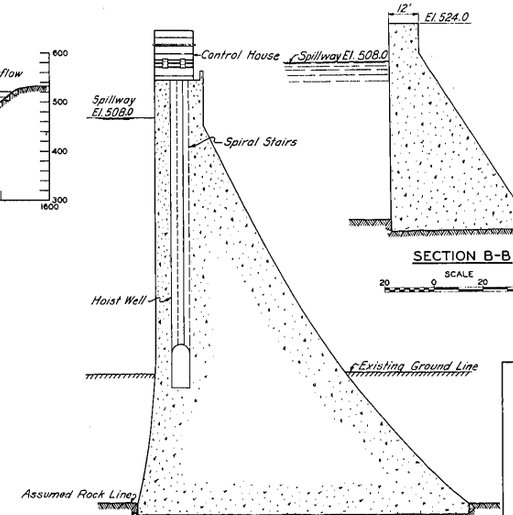
TYPICAL EARTH SECTION

SCALE 30 0 30 60 FT.



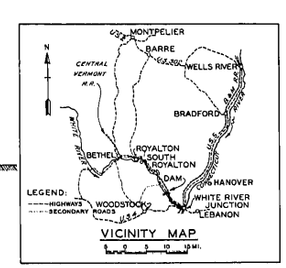
SECTION B-B

SCALE 20 0 20 40 FT.



SECTION A-A

SCALE 20 0 20 40 FT.



VICINITY MAP

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

CENTERVILLE DAM

NO. 70

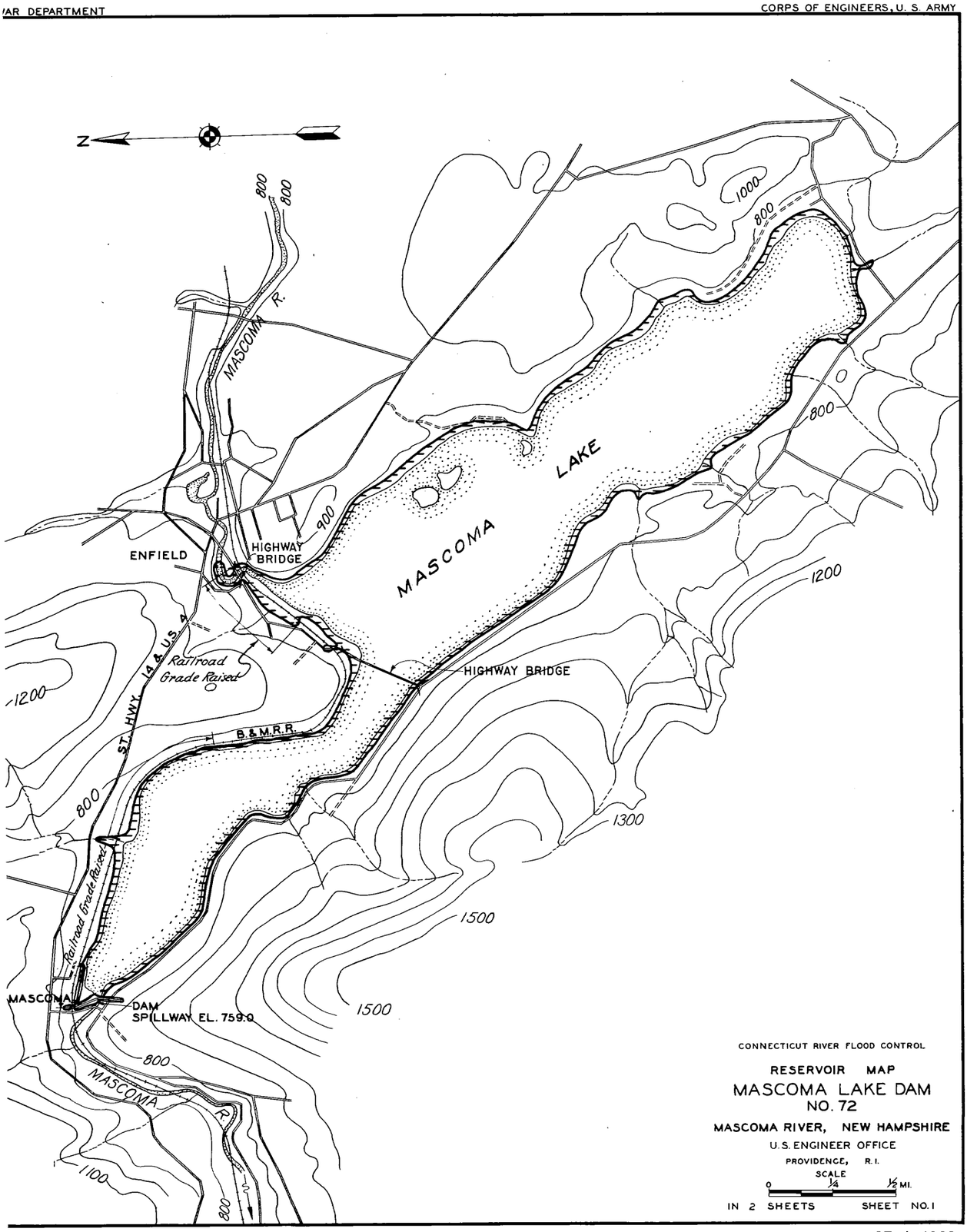
WHITE RIVER, VERMONT

IN 2 SHEETS	SCALE AS SHOWN	SHEET NO. 2

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: ENGINEER	APPROVAL RECOMMENDED: PRINCIPAL ENGINEER	APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY: F.J.G. TRACED BY: W.L.H. CHECKED BY:	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-1-1065



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

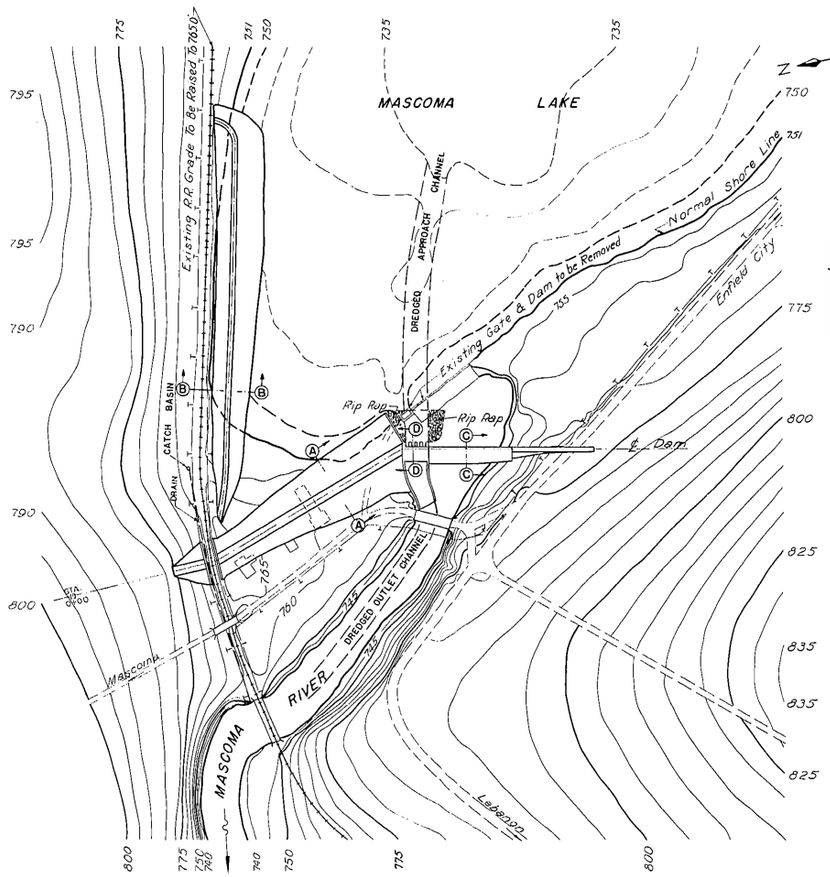
MASCOMA LAKE DAM
NO. 72

MASCOMA RIVER, NEW HAMPSHIRE

U.S. ENGINEER OFFICE
PROVIDENCE, R.I.

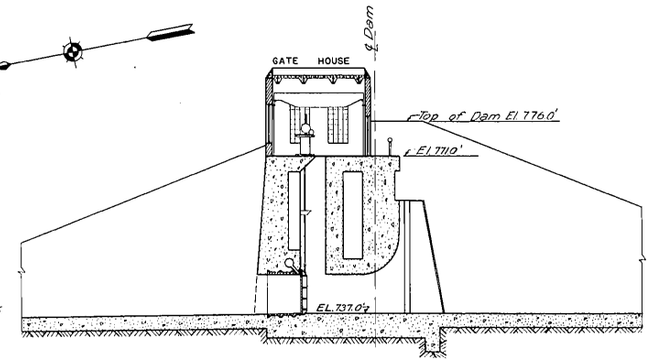
SCALE
0 1/4 1/2 MI.

IN 2 SHEETS SHEET NO. 1



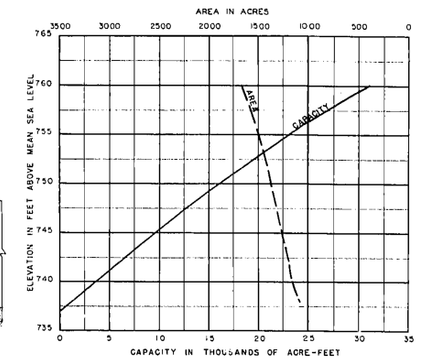
PLAN

SCALE

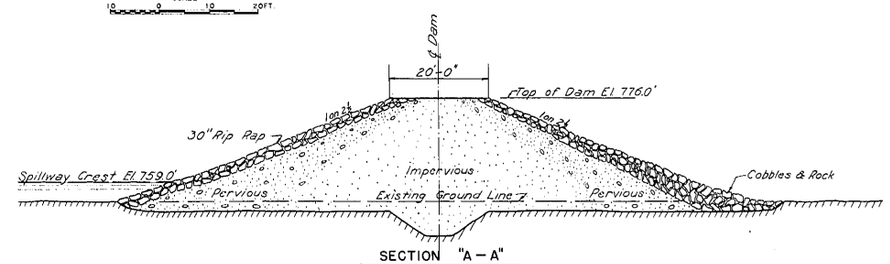


SECTION "D-D"

SCALE

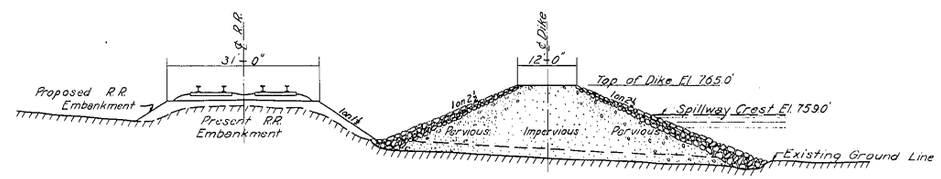


AREA AND CAPACITY CURVES



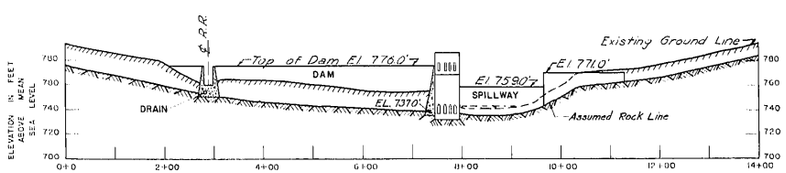
SECTION "A-A"

SCALE

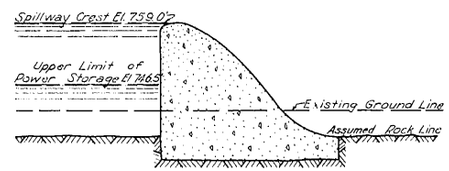


SECTION "B-B"

SCALE

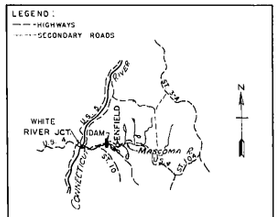


PROFILE ON ℄ OF DAM



SECTION "C-C"

SCALE



VICINITY MAP

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

MASCOMA DAM

NO. 72

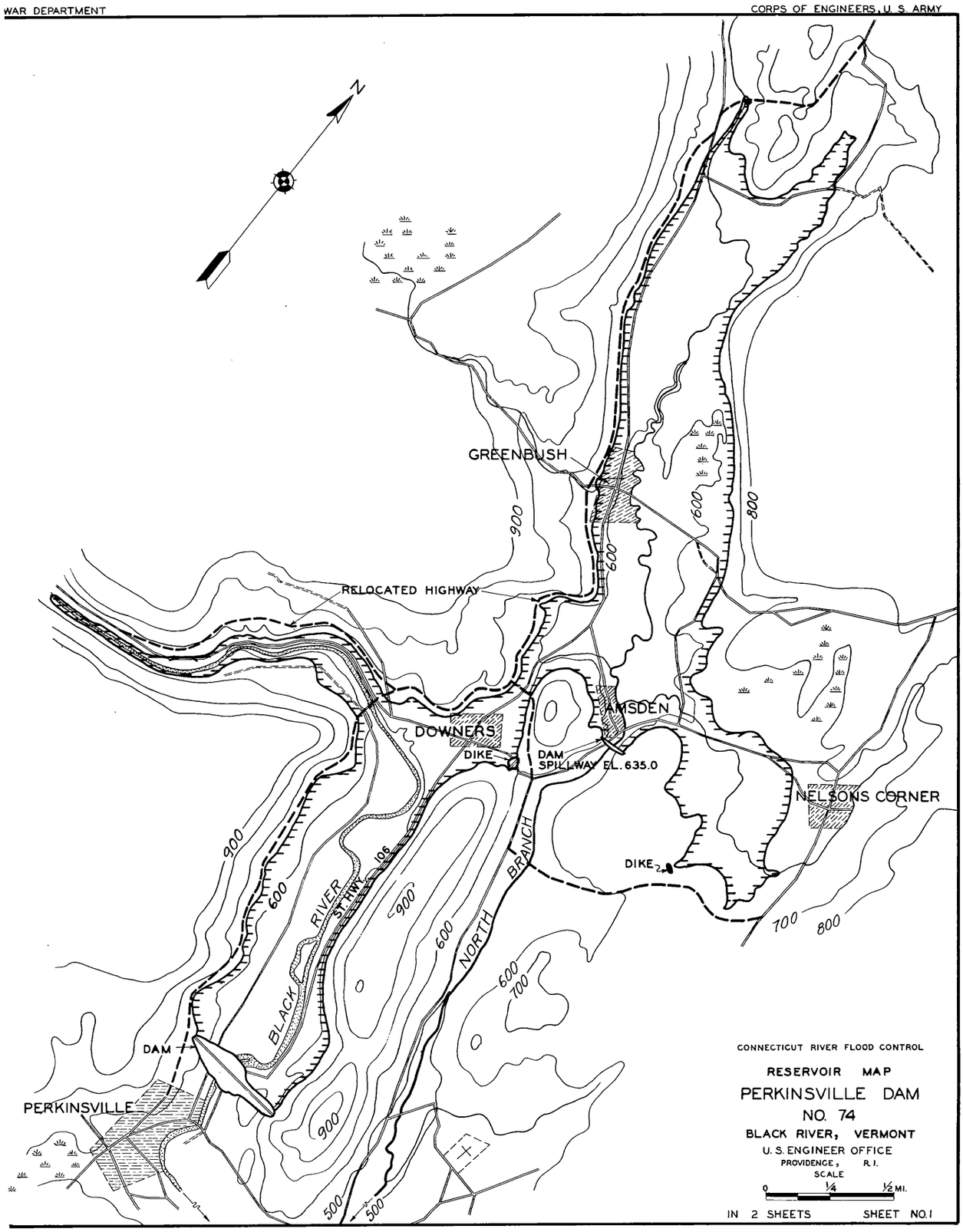
MASCOMA RIVER, NEW HAMPSHIRE

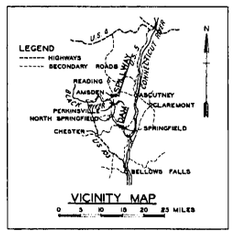
IN 2 SHEETS | SCALE AS SHOWN | SHEET NO. 2

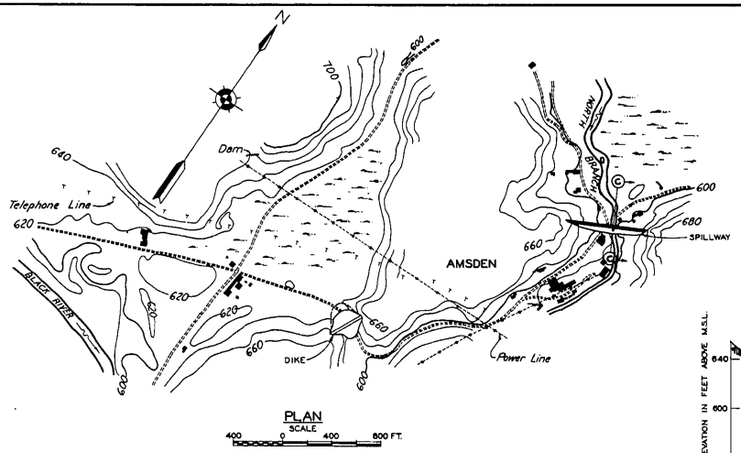
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

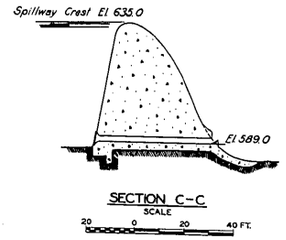
SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

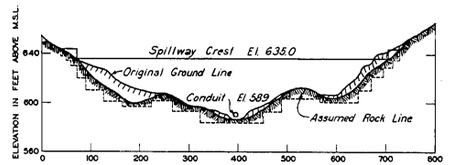
DRAWN BY: F.W.B. & J.M. | TO ACCOMPANY REPORT | FILE NO.

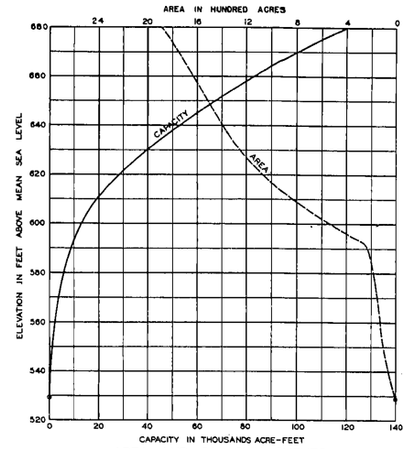

N
GREENBUSH
RELOCATED HIGHWAY
DOWNERS
DIKE
DAM
SPILLWAY EL. 635.0
AMSDEN
NELSONS CORNER
DIKE
NORTH BRANCH
BLACK RIVER
ST. HWY. 106
DAM
PERKINSVILLE
900
600
800
700
500
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
PERKINSVILLE DAM
NO. 74
BLACK RIVER, VERMONT
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.
SCALE
0 1/4 1/2 MI.
IN 2 SHEETS SHEET NO. 1

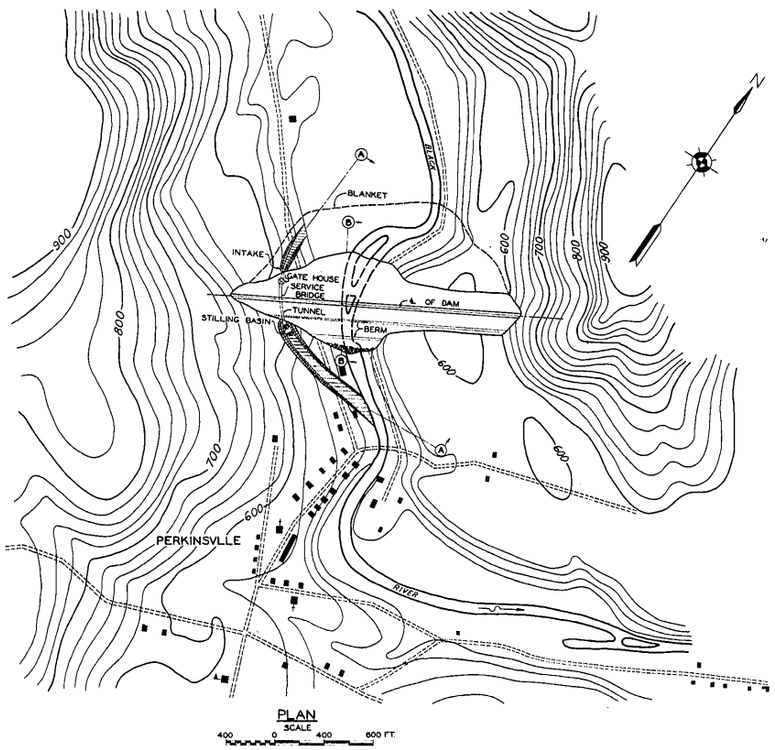


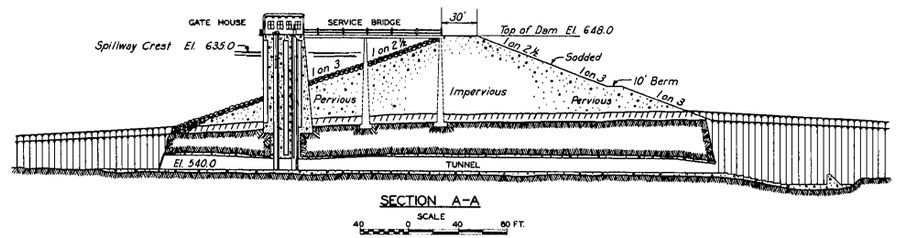


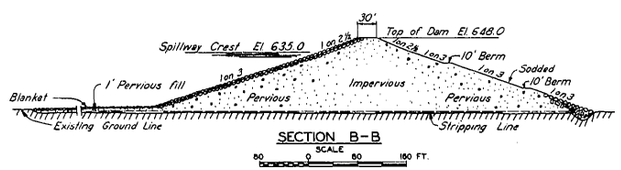


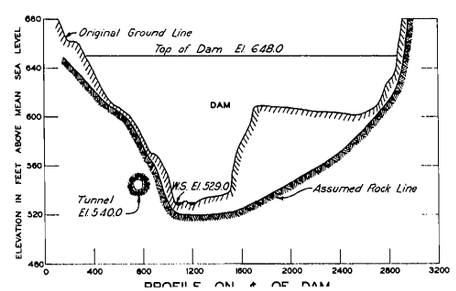


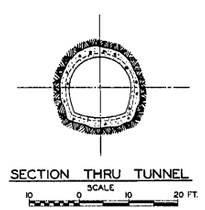












CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
PERKINSVILLE DAM
NO. 74

BLACK RIVER, VERMONT

IN 2 SHEETS | SCALE AS SHOWN | SHEET NO. 2

U. S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY D.P. | TO ACCOMPANY REPORT | FILE NO.

SECTION 5

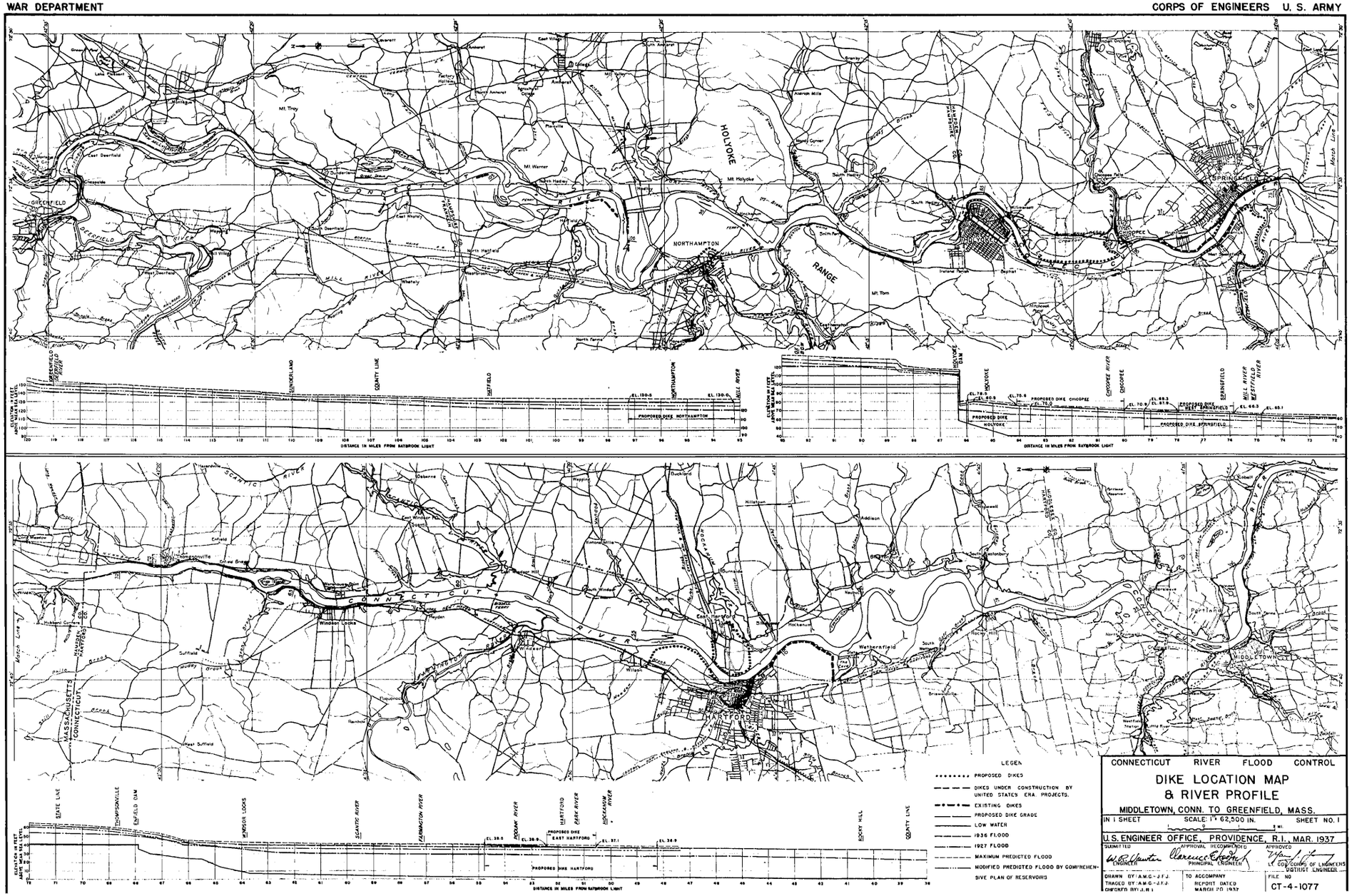
PLATE REFERENCE

MAPS AND PLANS

DIKES - DETAILS

WAR DEPARTMENT

CORPS OF ENGINEERS U. S. ARMY



CONNECTICUT RIVER FLOOD CONTROL

DIKE LOCATION MAP & RIVER PROFILE

MIDDLETOWN, CONN. TO GREENFIELD, MASS.

IN 1 SHEET — SCALE: 1" = 62,500 IN. — SHEET NO. 1

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

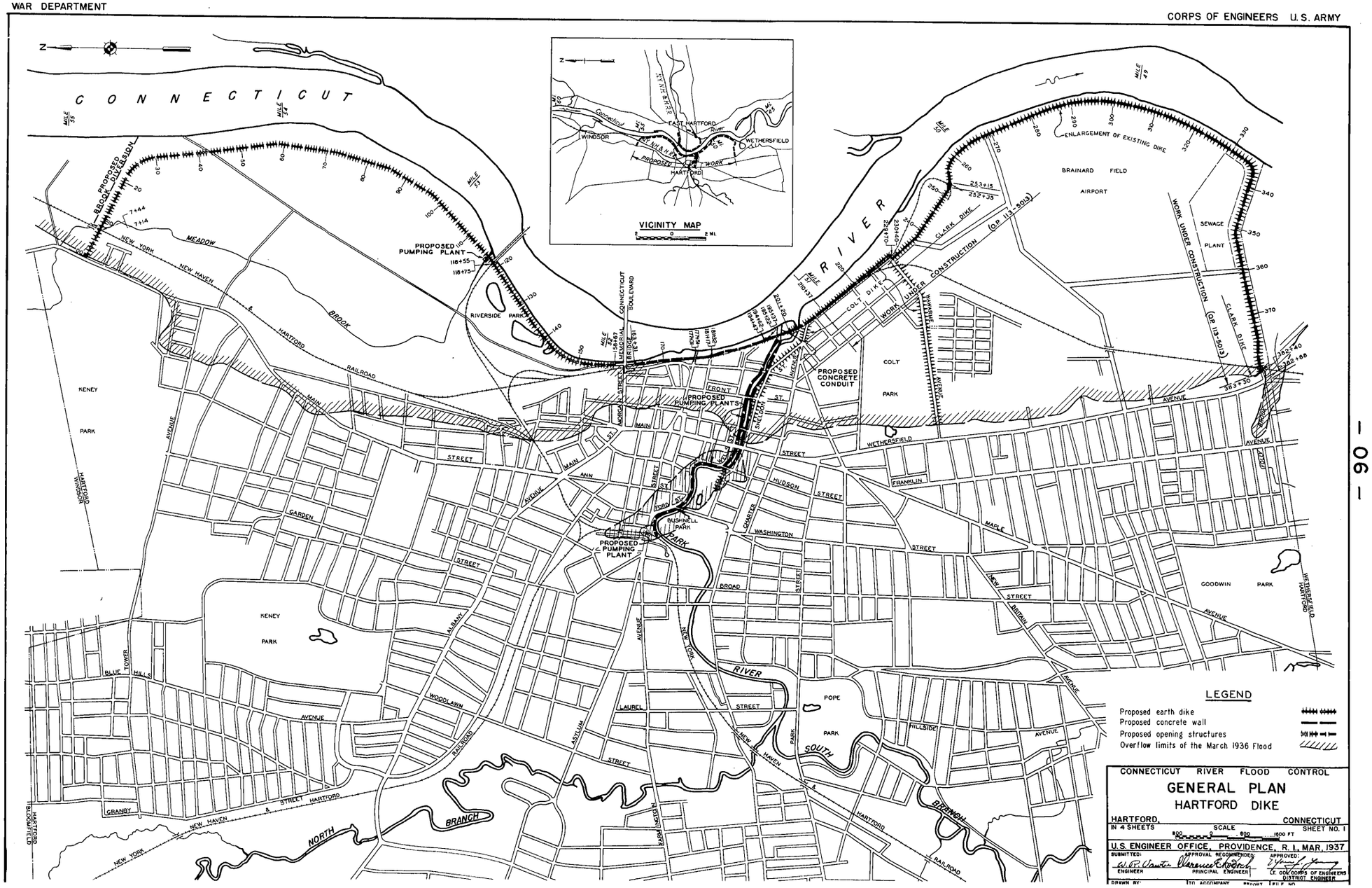
DRAWN BY: A.M.G.-J.F.J.
TRACED BY: A.M.G.-J.F.J.
CHECKED BY: J.R.I.

TO ACCOMPANY REPORT DATED MARCH 20 1937

FILE NO. CT-4-1077

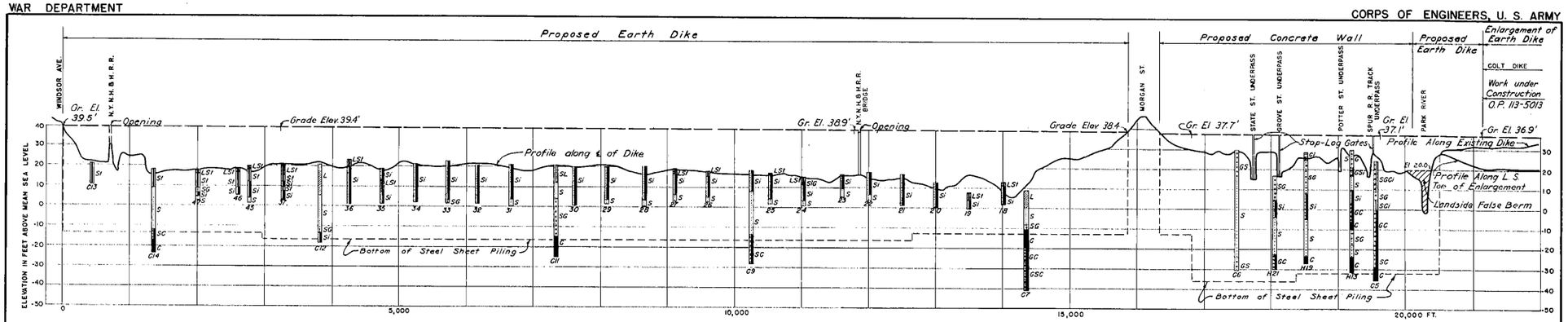
WAR DEPARTMENT

CORPS OF ENGINEERS U.S. ARMY



WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



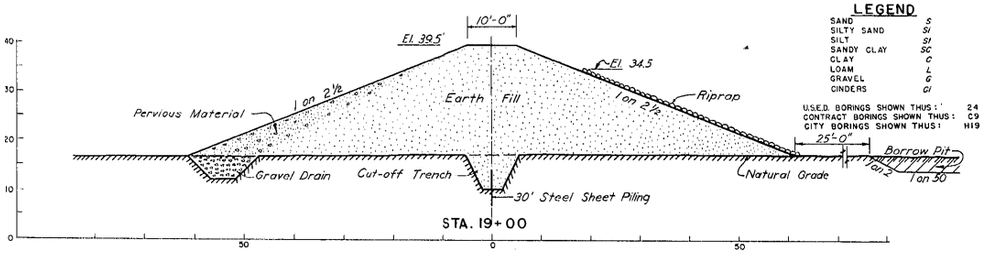
LANDSIDE RIVERSIDE

PROFILE OF DIKE

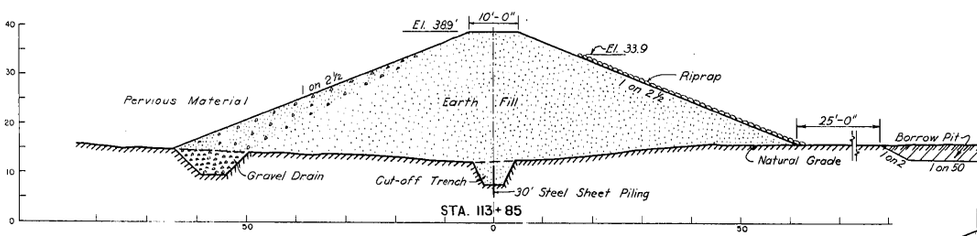
LEGEND

SAND	S
SILTY SAND	SI
SILT	SI
SANDY CLAY	SC
CLAY	C
LOAM	L
GRAVEL	G
CINDERS	CI

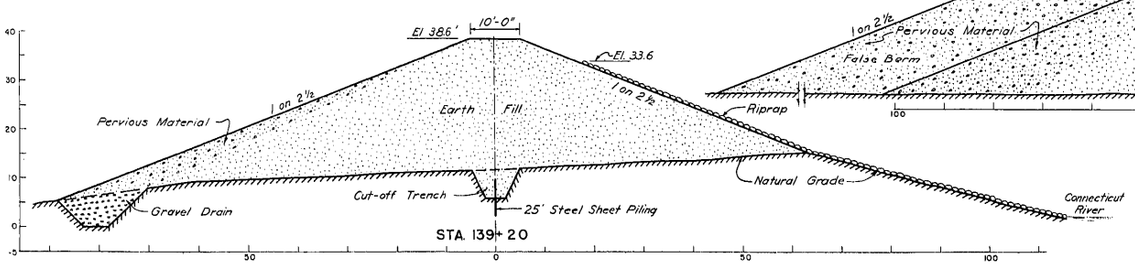
U.S.E.D. BORINGS SHOWN THUS: 24
CONTRACT BORINGS SHOWN THUS: C9
CITY BORINGS SHOWN THUS: H19



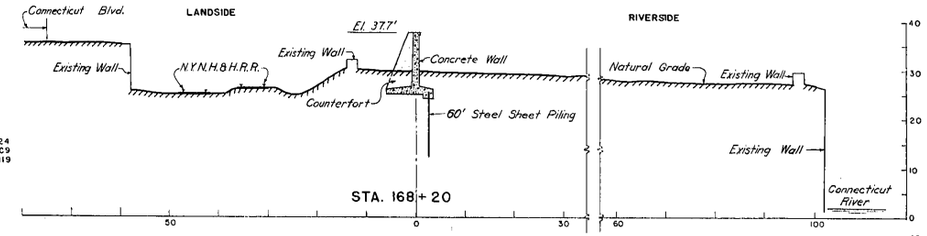
STA. 19+00



STA. 113+85



STA. 139+20



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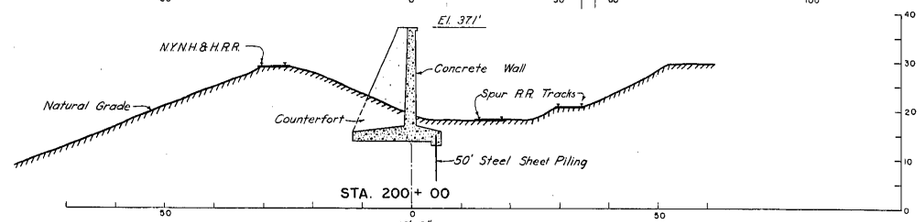

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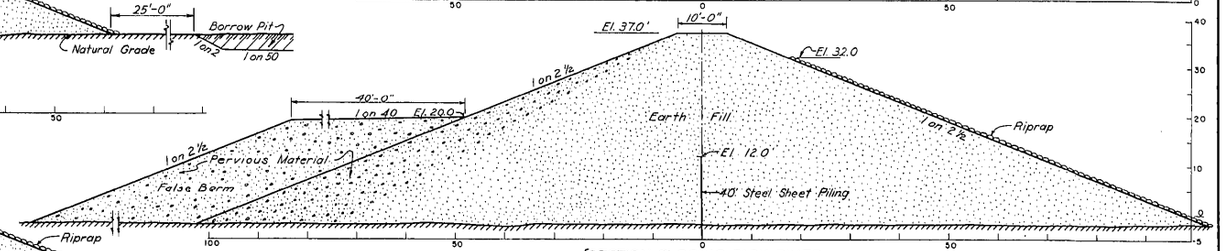


SECTION CLOSING PARK RIVER

TYPICAL SECTIONS

HORZ. & VERT. DISTANCES IN FEET

NOTE:

ALL ELEVATIONS ARE REFERRED TO M.S.L. (SANDY HOOK DATUM)

CONNECTICUT RIVER FLOOD CONTROL

PROFILE AND SECTIONS HARTFORD DIKE

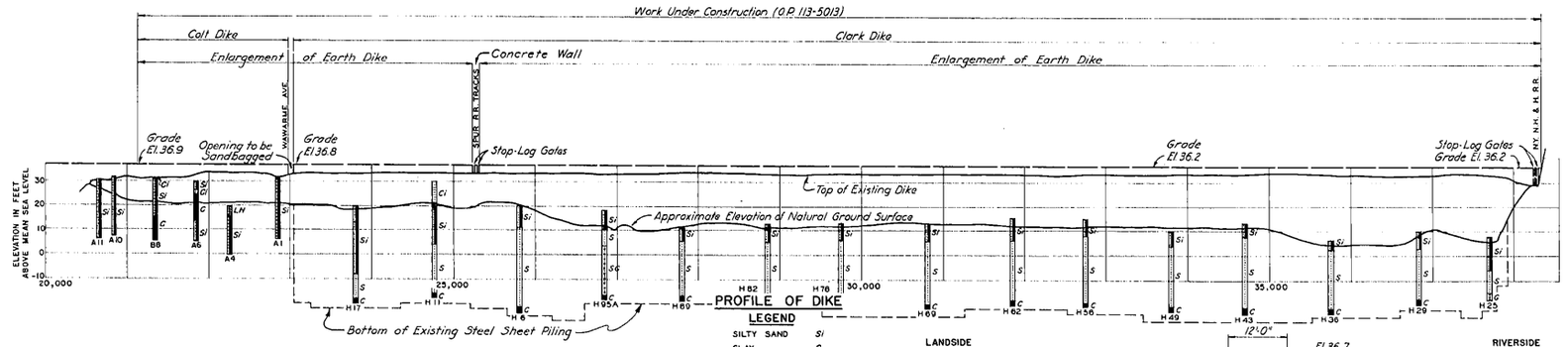
HARTFORD, CONNECTICUT

IN 4 SHEETS | SCALES AS SHOWN | SHEET NO. 2

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

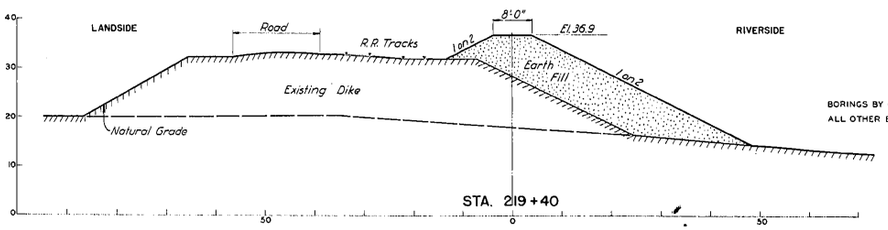
DRAWN BY: A.M.C | TO ACCOMPANY: REPORT | FILE NO:

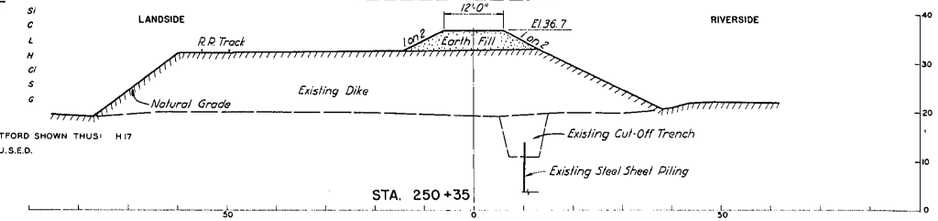


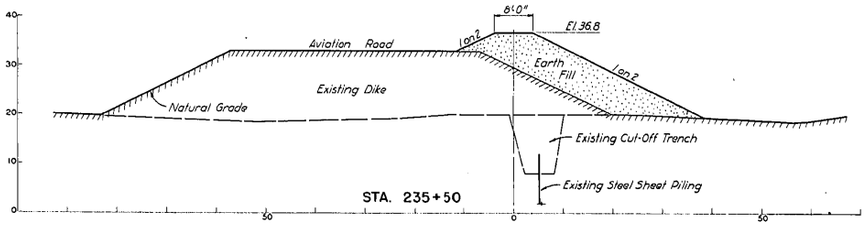
LEGEND

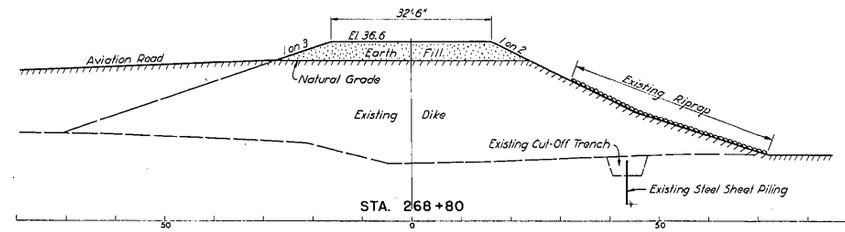
SILTY SAND	Si
CLAY	C
LOAM	L
HUMUS	H
CINDERS	Ci
SAND	S
GRAVEL	G

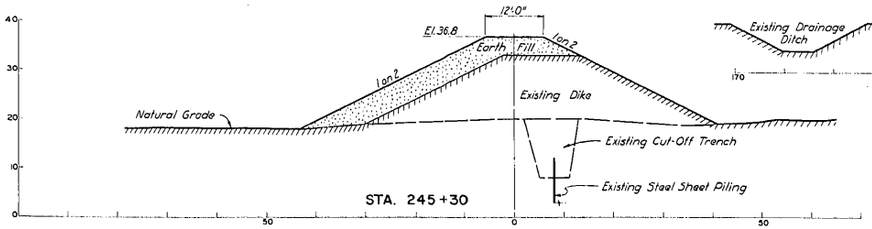
BORINGS BY CITY OF HARTFORD SHOWN THUS: H17
ALL OTHER BORINGS BY U.S.E.D.

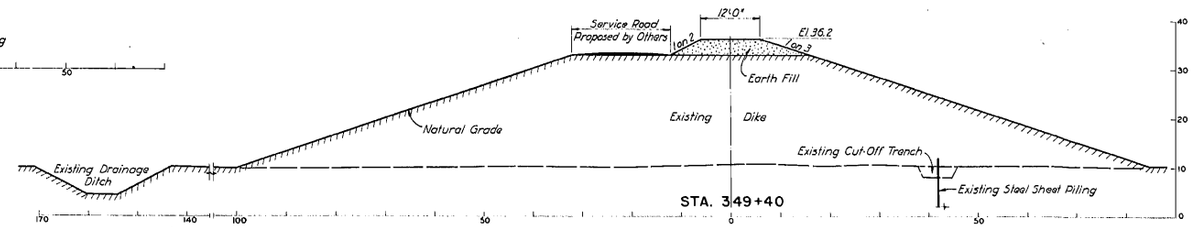












TYPICAL SECTIONS

HORZ. & VERT. DISTANCES IN FEET

NOTE:

ALL ELEVATIONS ARE REFERRED TO M.S.L. (SANDY HOOK DATUM)

CONNECTICUT RIVER FLOOD CONTROL

PROFILE AND SECTIONS

HARTFORD DIKE

HARTFORD, CONNECTICUT

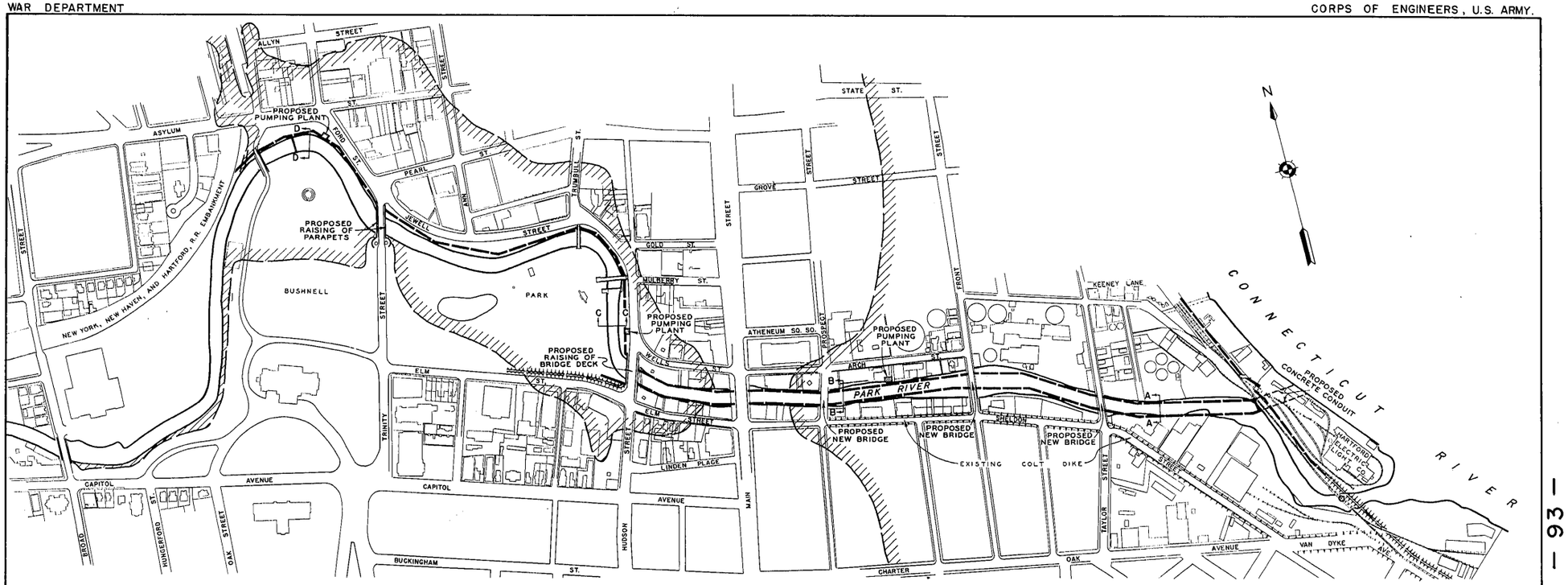
IN 4 SHEETS | SCALE AS SHOWN | SHEET NO. 3

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

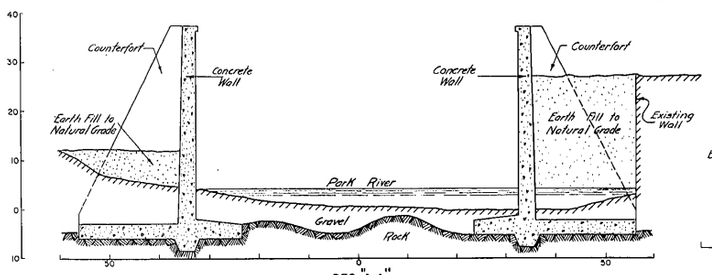
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY.

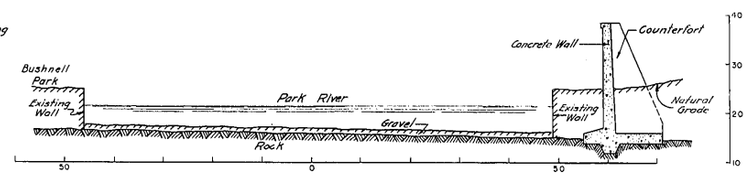


PLAN

SCALE 200 0 200 400 FT.



SEC. "A-A"



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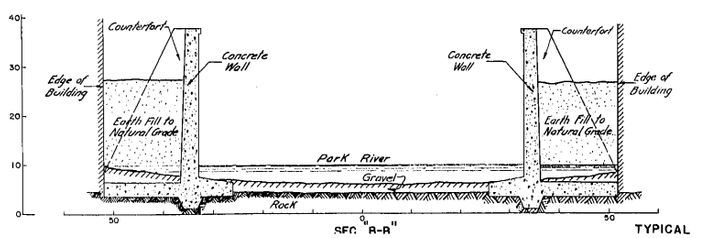
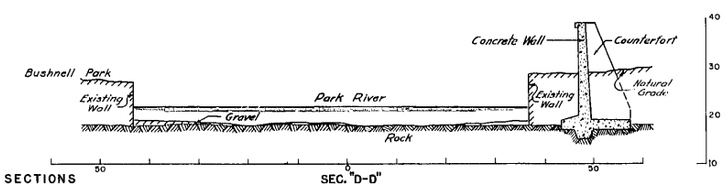


SEC. "B-B"

TYPICAL SECTIONS



SEC. "D-D"

NOTE:
ALL ELEVATIONS ARE REFERRED TO M.S.L.
(SANDY HOOK DATUM)

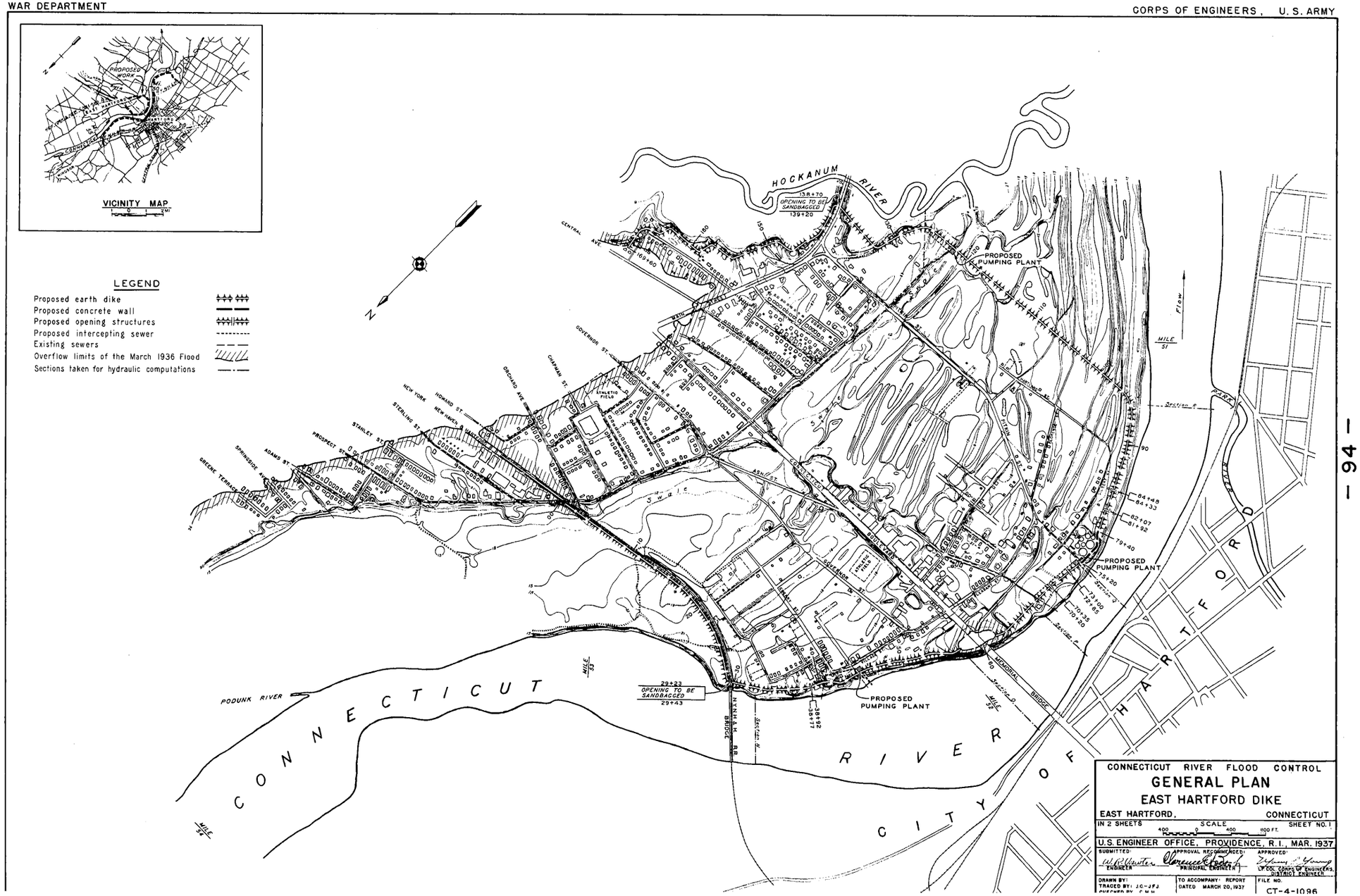
LEGEND

Proposed concrete wall
Proposed earth dike
Proposed opening structures
Overflow limits of the March 1936 Flood

CONNECTICUT RIVER FLOOD CONTROL
PLAN AND SECTIONS
HARTFORD DIKE
PARK RIVER
HARTFORD, CONNECTICUT.
IN 4 SHEETS SCALE AS SHOWN SHEET NO 4
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED: W. R. Vautier ENGINEER
APPROVAL RECOMMENDED: Clarence E. Cooper PRINCIPAL ENGINEER
APPROVED: Wanna L. Young LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

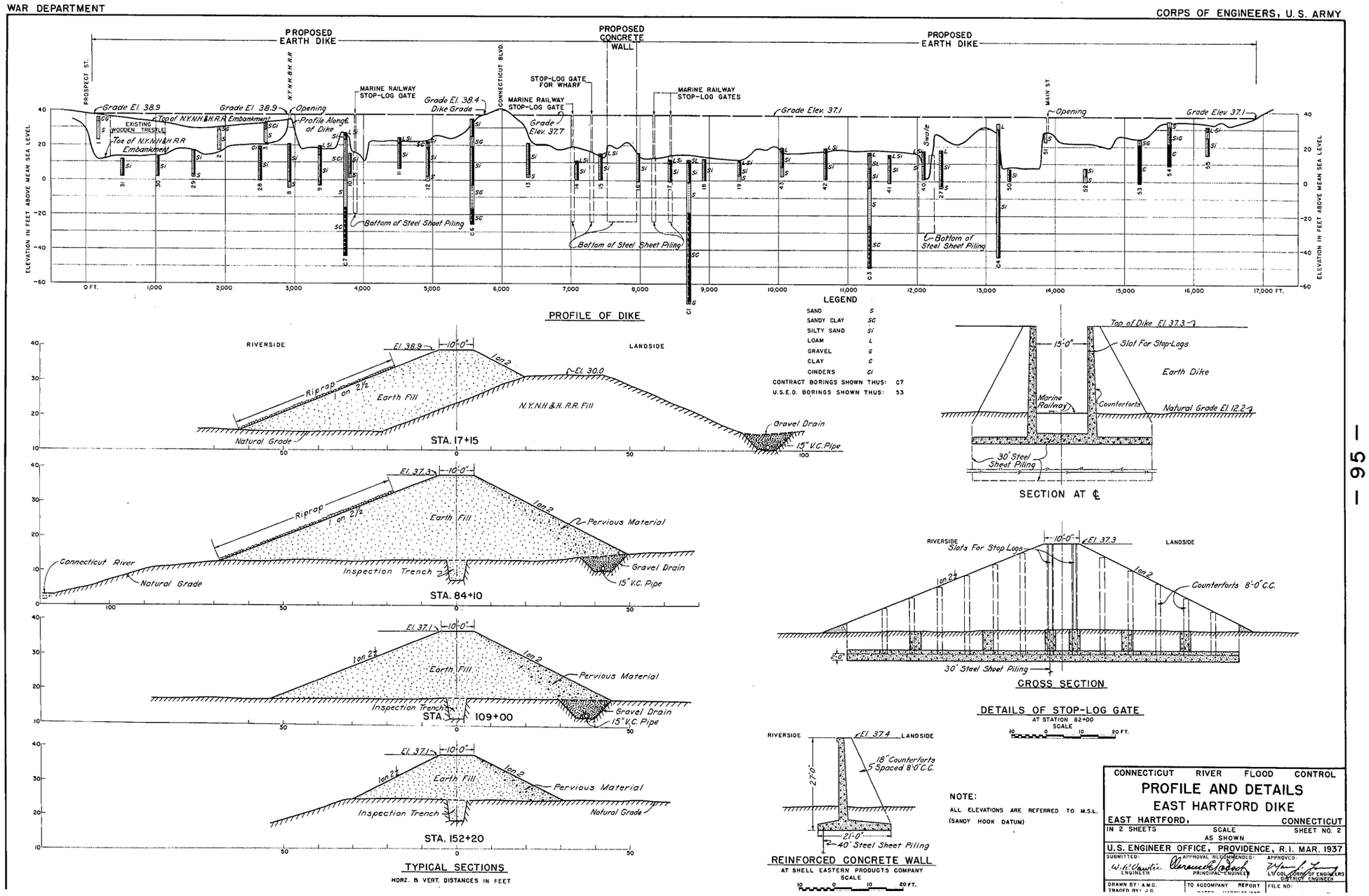
WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



NOTE:
ALL ELEVATIONS ARE REFERRED TO M.S.L. (SANDY HOOK DATUM)

CONNECTICUT RIVER FLOOD CONTROL

PROFILE AND DETAILS

EAST HARTFORD DIKE

EAST HARTFORD, CONNECTICUT

IN 2 SHEETS — SCALE AS SHOWN — SHEET NO. 2

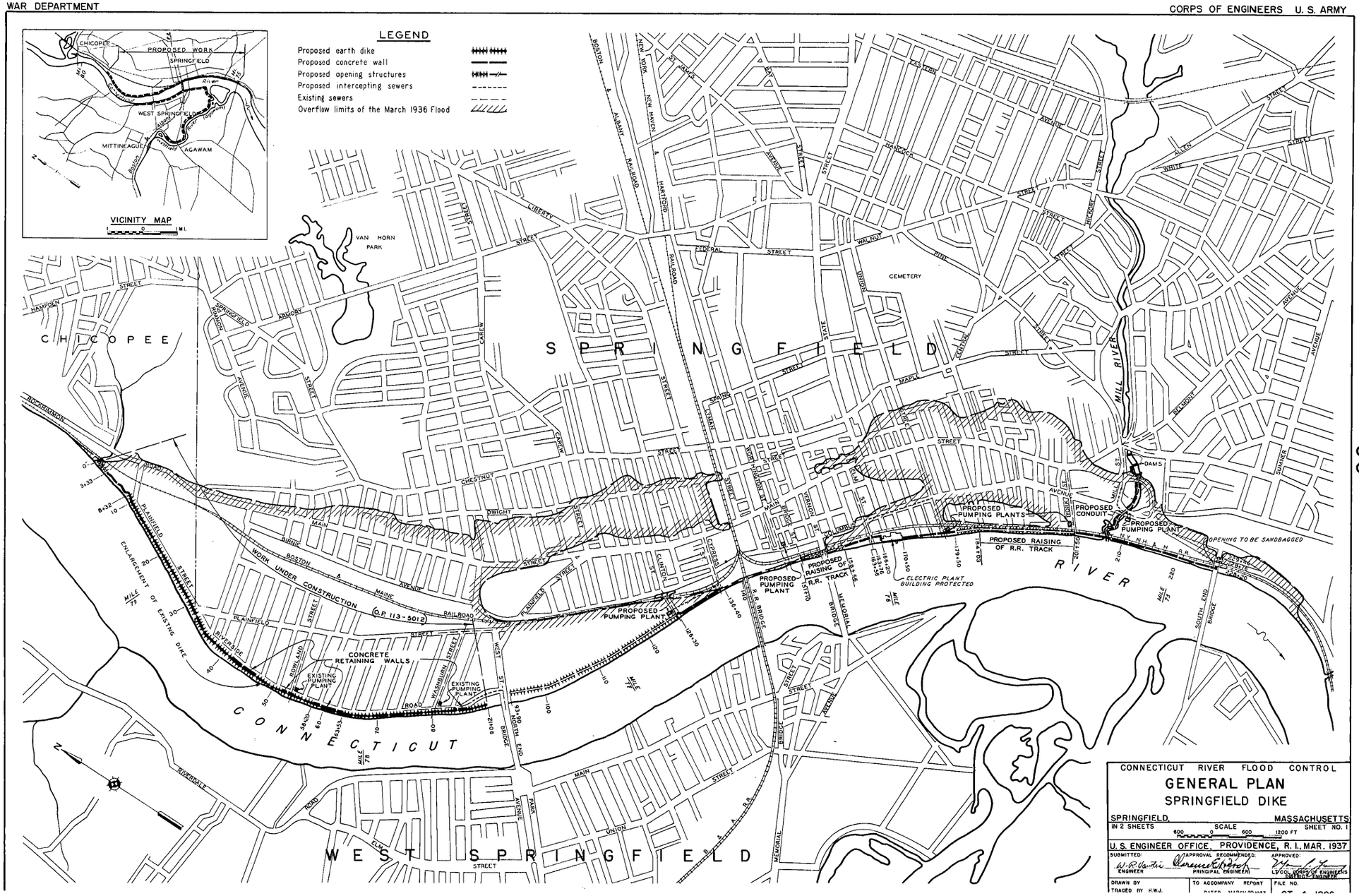
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937

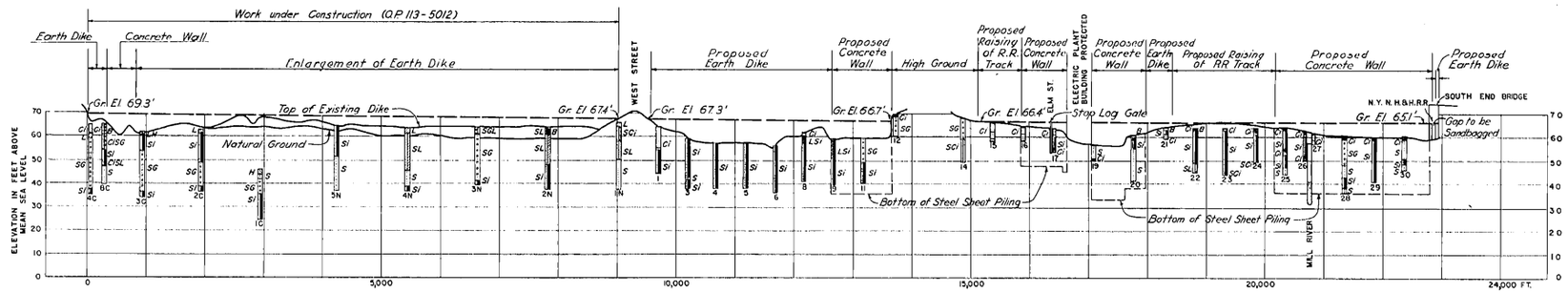
SUBMITTED: W. R. Cawlin, ENGINEER — APPROVAL RECOMMENDED: Aeronautical Board, PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY: A.M.C. TRACED BY: J.G. — TO ACCOMPANY REPORT — FILE NO:

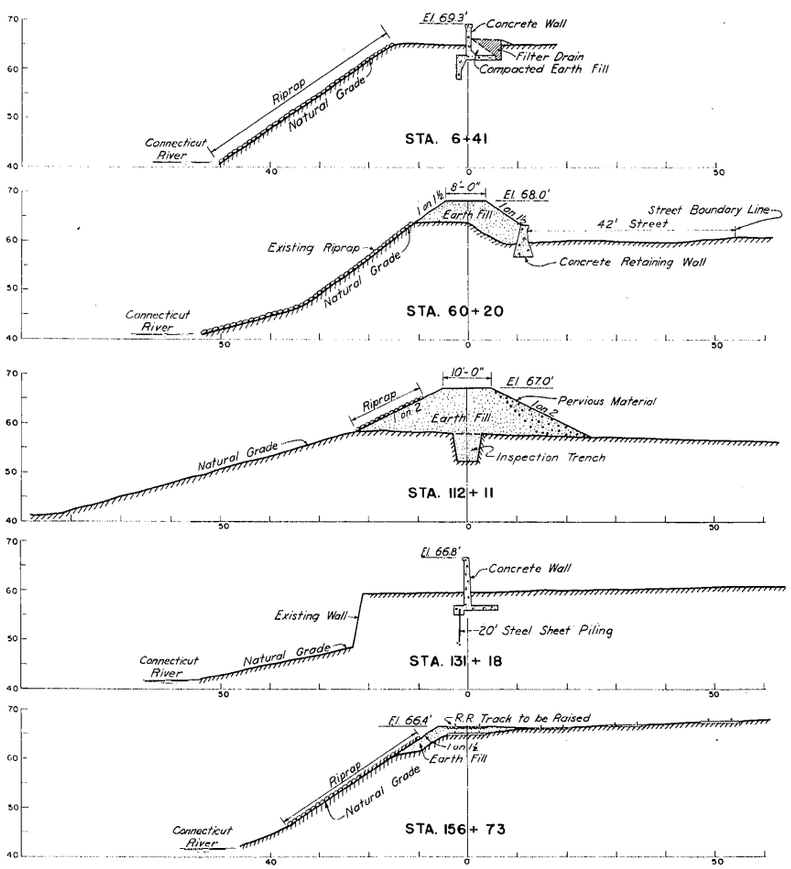
WAR DEPARTMENT

CORPS OF ENGINEERS U. S. ARMY





PROFILE OF DIKE

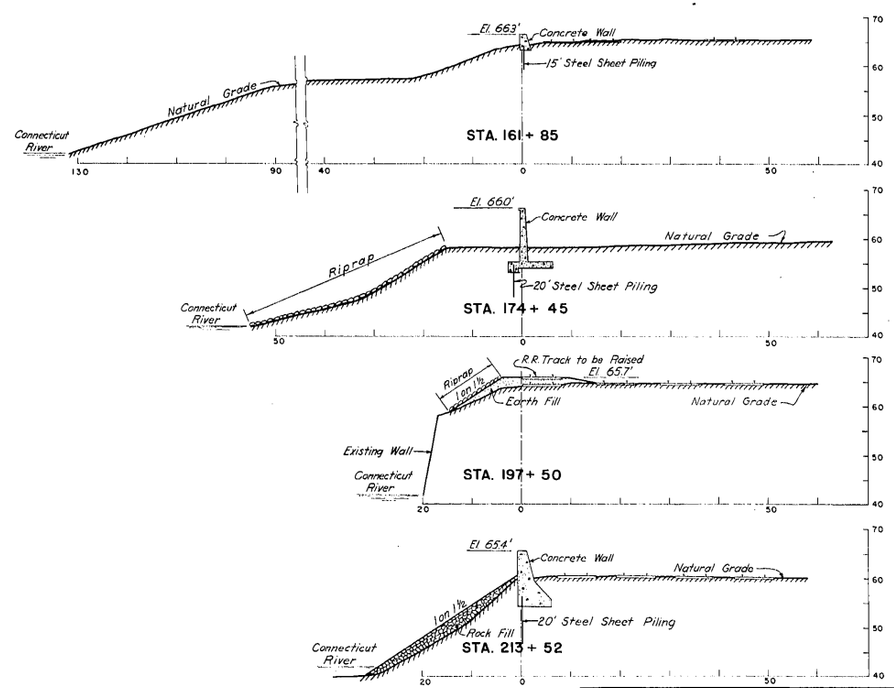


LEGEND

SAND	S
SILTY SAND	Si
LOAM	L
HUMUS	H
GRAVEL	G
BRICK	B
CINDERS	Cl

TYPICAL SECTIONS

HORZ. & VERT. DISTANCES IN FEET



NOTE:
ALL ELEVATIONS ARE REFERRED TO M.S.L. (SANDY HOOK DATUM)

CONNECTICUT RIVER FLOOD CONTROL

PROFILE AND SECTIONS

SPRINGFIELD DIKE

SPRINGFIELD, MASSACHUSETTS

IN 2 SHEETS | SCALE AS SHOWN | SHEET NO. 2

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

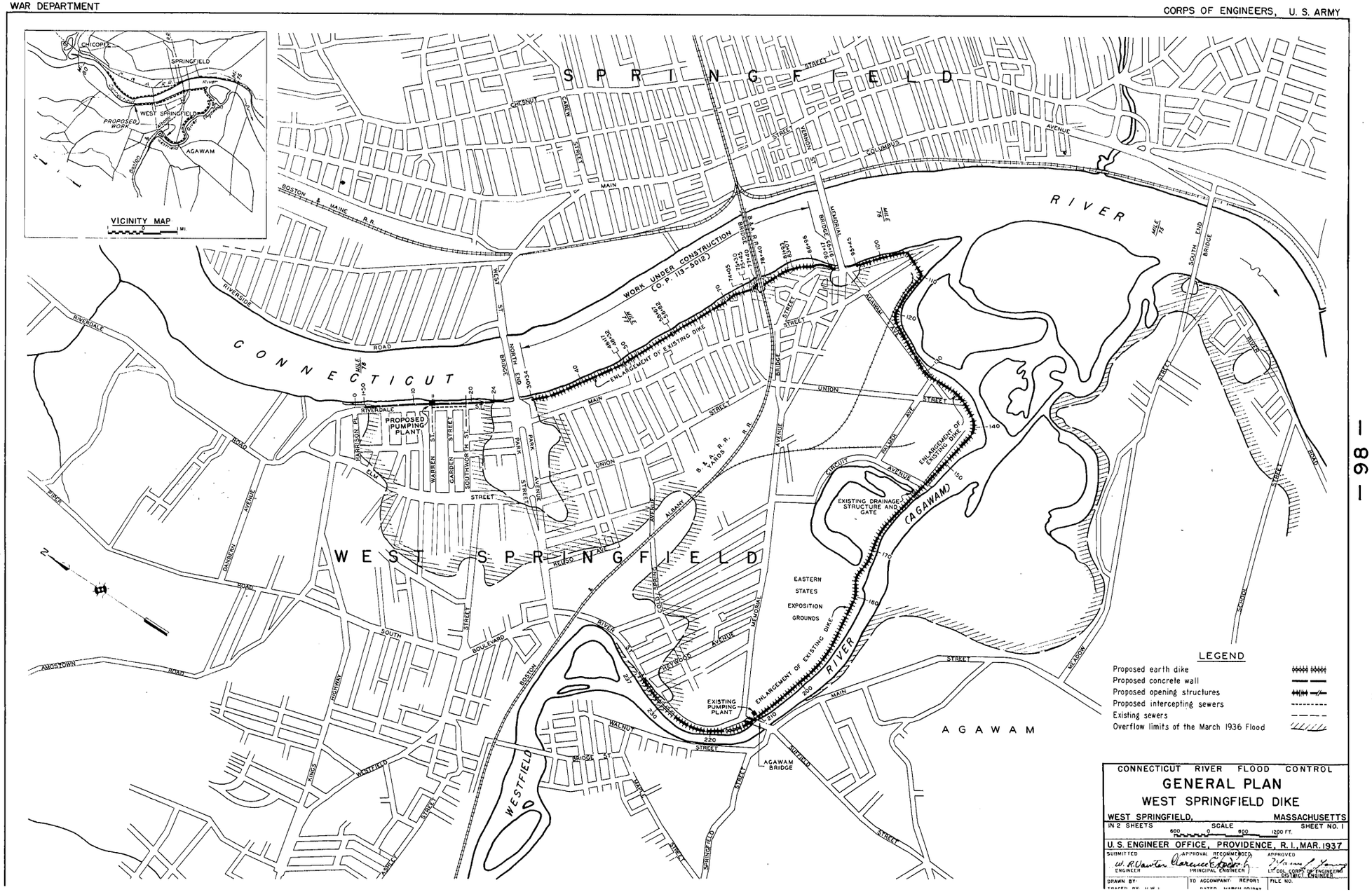
SUBMITTED: W. K. Vawter, ENGINEER | APPROVAL RECOMMENDED: Clarence E. Pedrick, PRINCIPAL ENGINEER | APPROVED: [signature], LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

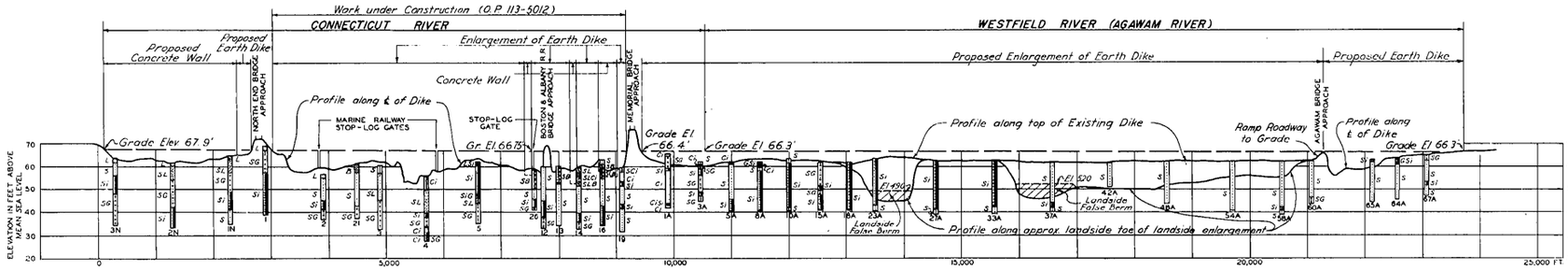
DRAWN BY: A.M.C. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO.: CT. 4. 1087

THACED BY: H.E.W.

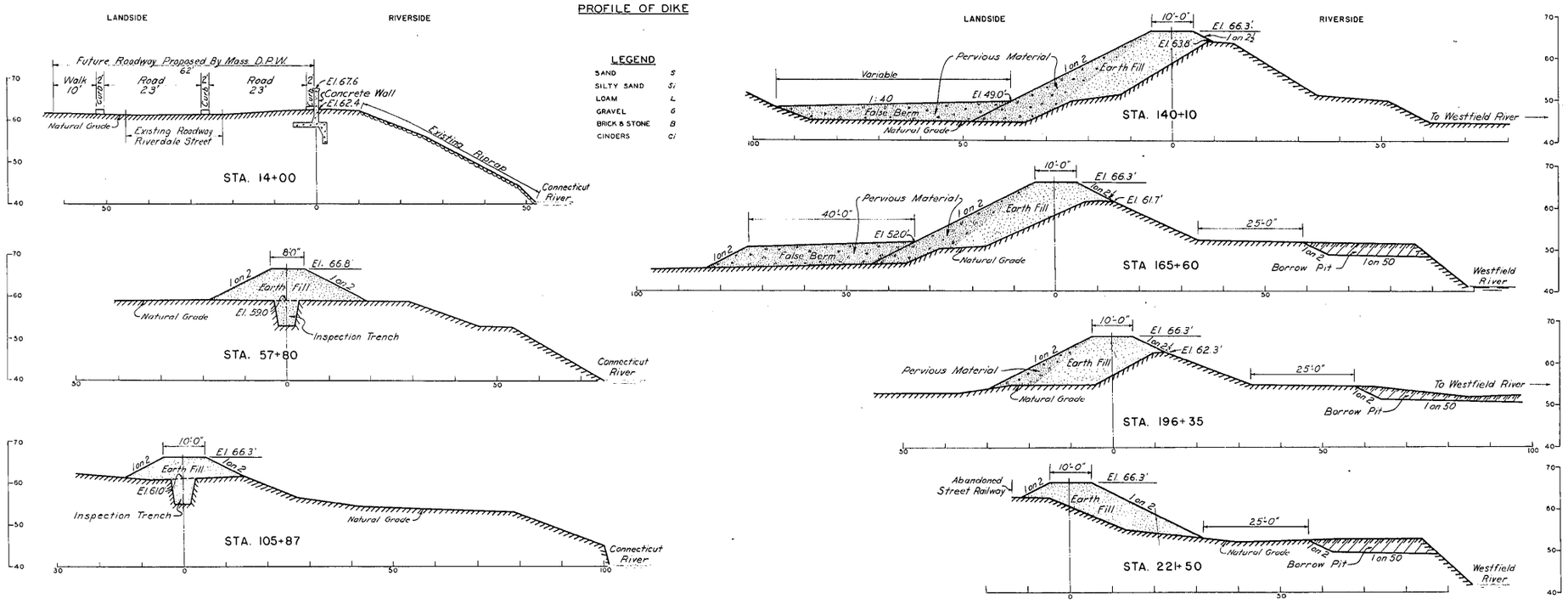
WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY





PROFILE OF DIKE



TYPICAL SECTIONS

HORZ. & VERT. DISTANCES IN FEET.

NOTE:

ALL ELEVATIONS ARE REFERRED TO M.S.L. (SANDY HOOK DATUM)

CONNECTICUT RIVER FLOOD CONTROL

PROFILE AND SECTIONS

WEST SPRINGFIELD DIKE

WEST SPRINGFIELD, MASSACHUSETTS

IN 2 SHEETS SCALE AS SHOWN SHEET NO. 2

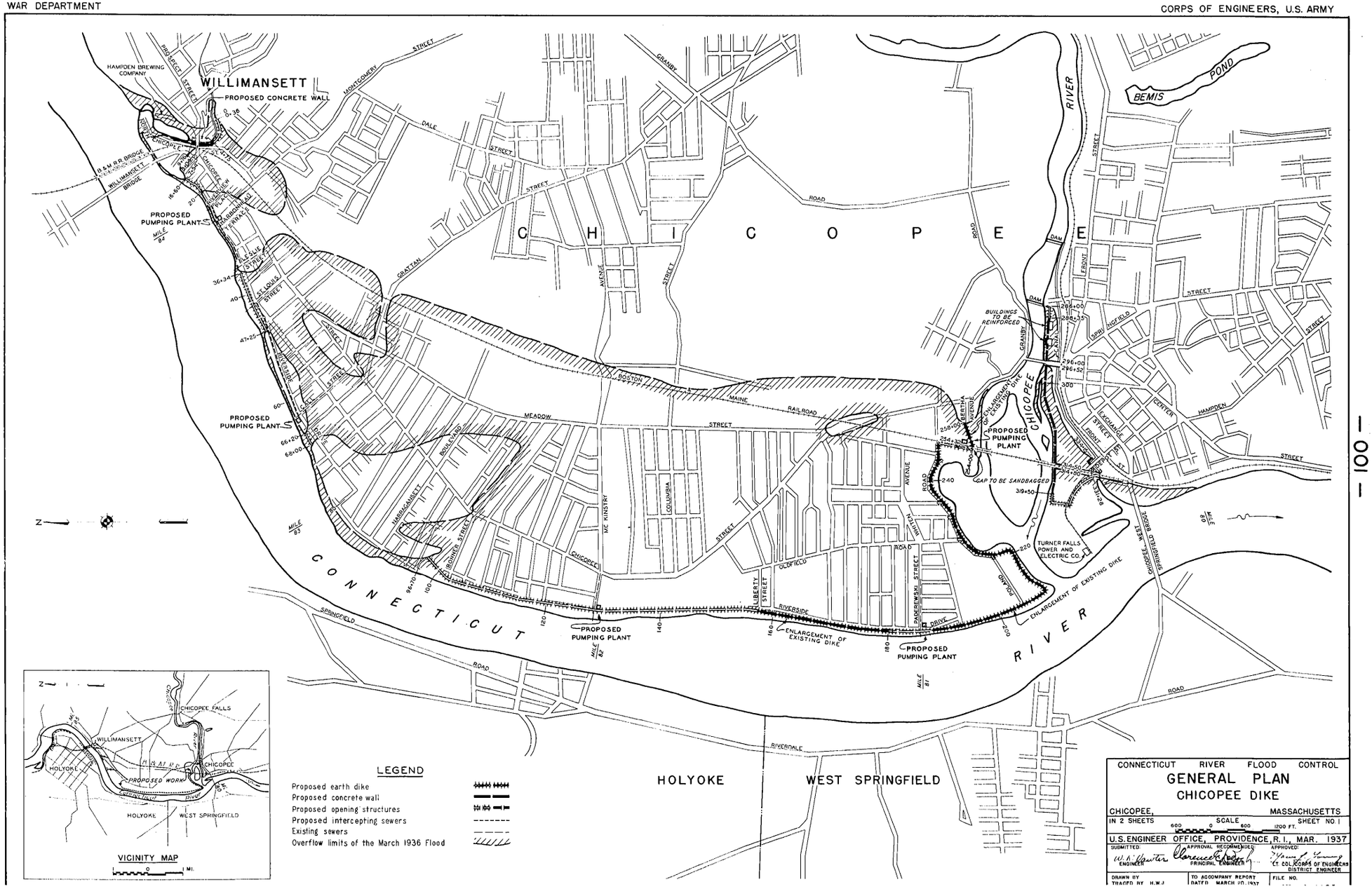
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: W. R. Vawter, ENGINEER — APPROVAL RECOMMENDED: Clarence E. Rodgers, PRINCIPAL ENGINEER — APPROVED: Thomas J. Young, LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY: H.H.R. — TO ACCOMPANY REPORT — FILE NO.

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

CHICOPEE DIKE

CHICOPEE, MASSACHUSETTS

IN 2 SHEETS — SCALE 600 0 600 1200 FT. — SHEET NO. 1

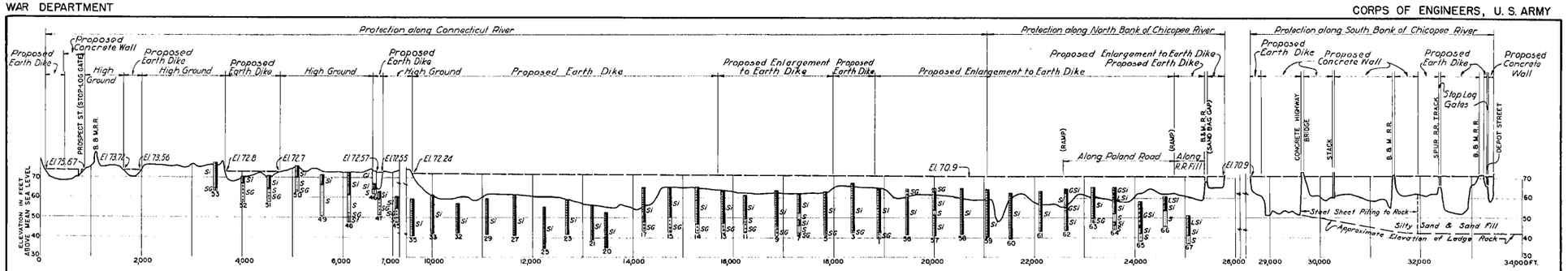
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: H. H. Spaulding, ENGINEER — APPROVAL RECOMMENDED: Clarence E. Rodger, PRINCIPAL ENGINEER — APPROVED: Wm. J. Leahy, LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY: TRACED BY H.W.J. — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO.

WAR DEPARTMENT

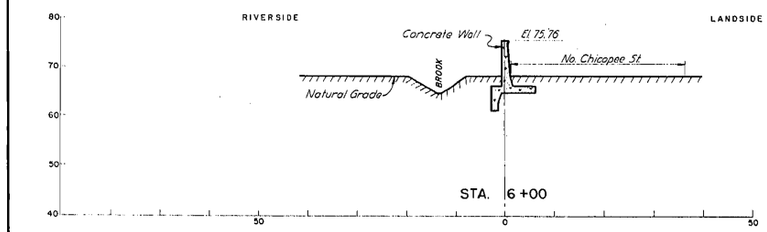
CORPS OF ENGINEERS, U. S. ARMY

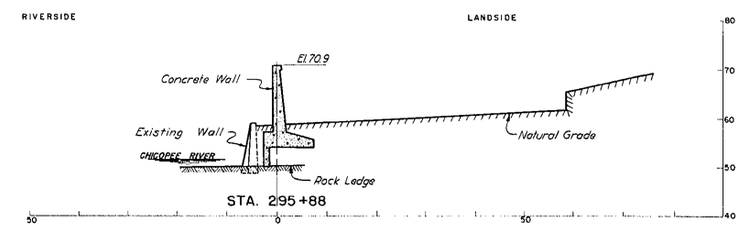


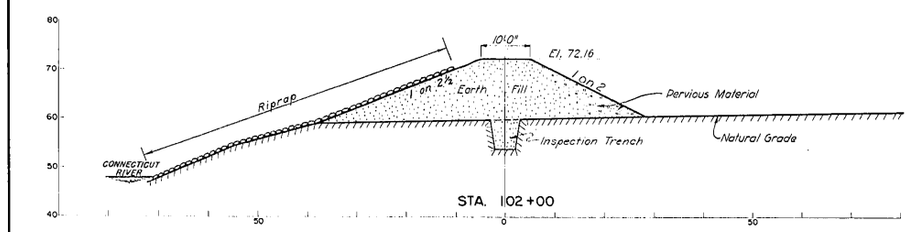
PROFILE OF DIKE

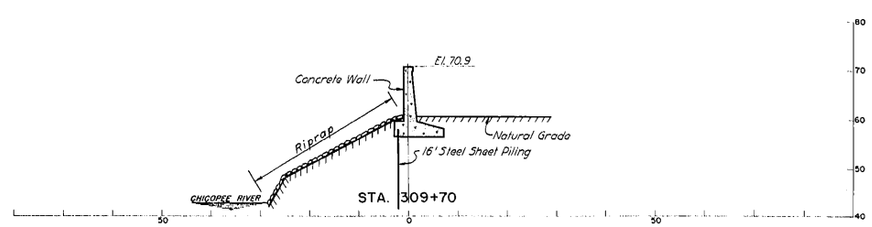
LEGEND

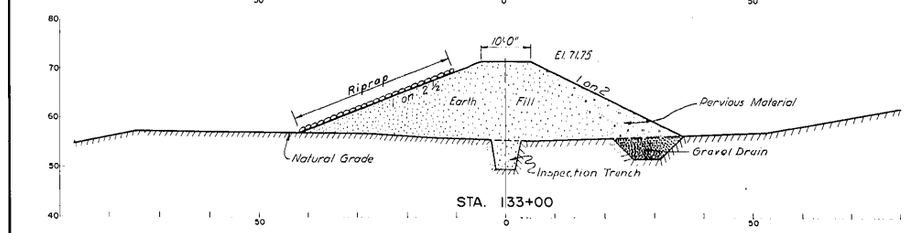
SAND	S
SILTY SAND	SI
SILT	St
GRAVEL	G
LOAM	L
CINDERS	Cl

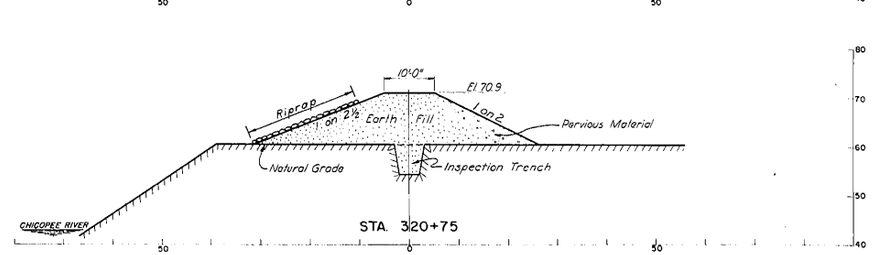


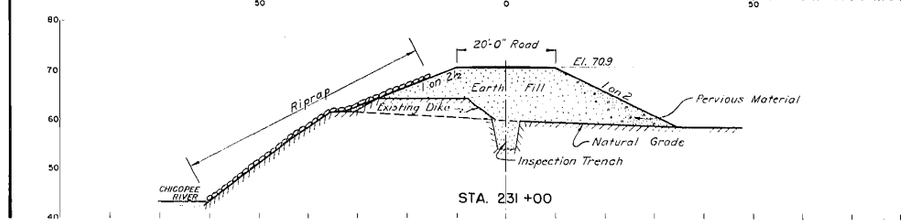












TYPICAL SECTIONS

HORZ. & VERT. DISTANCES IN FEET

NOTE:
ALL ELEVATIONS ARE REFERRED TO M.S.L. (SANDY HOOK DATUM)

CONNECTICUT RIVER FLOOD CONTROL

PROFILE AND SECTIONS

CHICOPEE DIKE

CHICOPEE, MASSACHUSETTS

IN 2 SHEETS — SCALE AS SHOWN — SHEET NO. 2

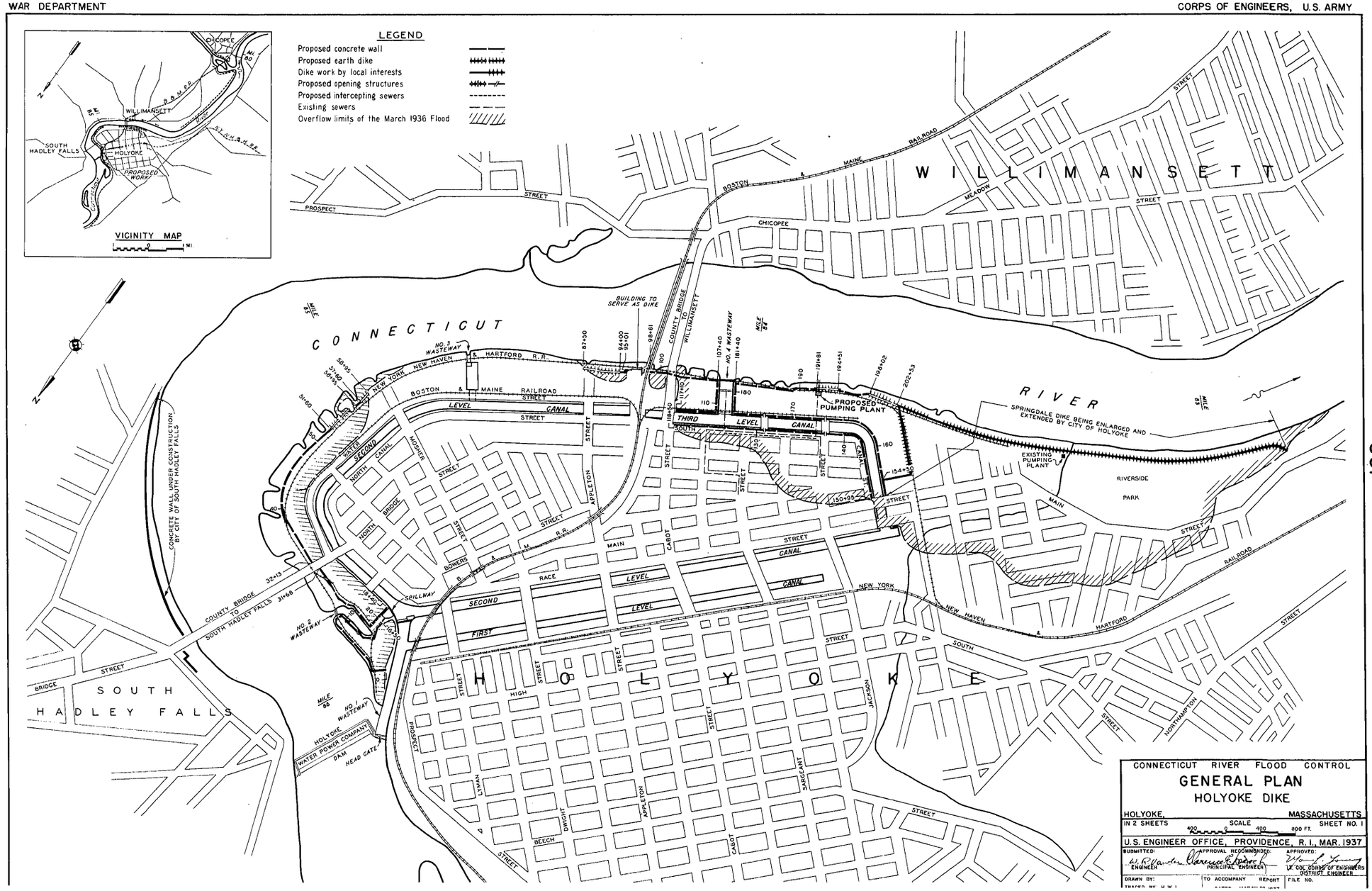
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: W. R. Vawter, ENGINEER — APPROVAL RECOMMENDED: Clarence E. Rose, PRINCIPAL ENGINEER — APPROVED: Lt. Col., Corps of Engineers, DISTRICT ENGINEER

DRAWN BY W.C.D. — TO ACCOMPANY REPORT — FILE NO.

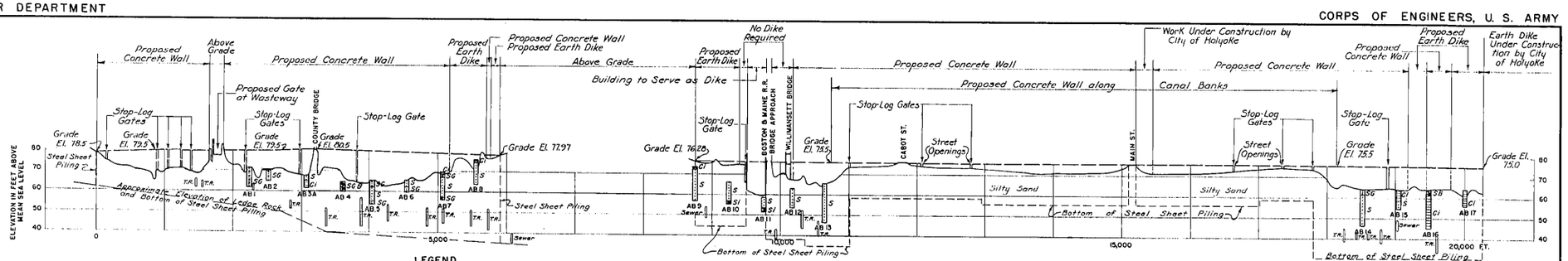
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



WAR DEPARTMENT

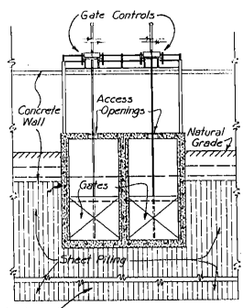
CORPS OF ENGINEERS, U. S. ARMY



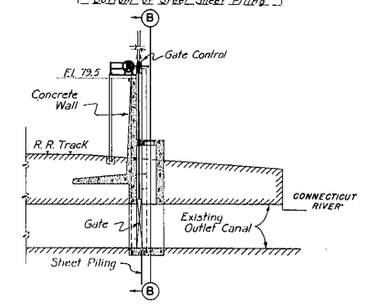
PROFILE OF DIKE

LEGEND

SAND	S
SILTY SAND	SI
GRAVEL	G
BRICK & STONE	B
CINDERS	CI
TAILRACE	T.R.



SECTION "B-B"



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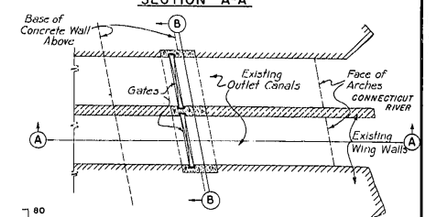
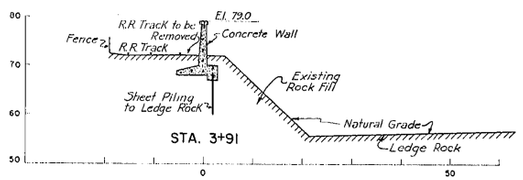


PLAN OF BACKWATER GATE AT TAILRACES

SCALE

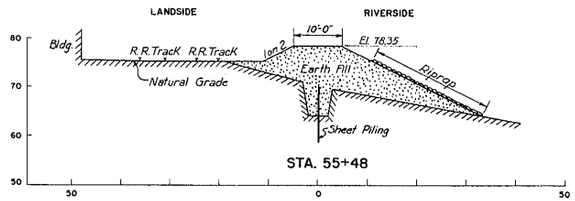
10 0 10 20 FT.

LANDSIDE RIVERSIDE

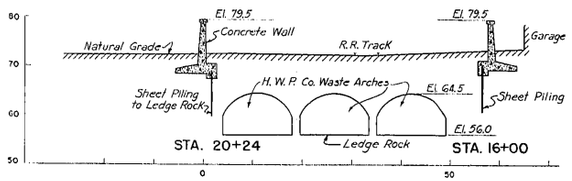


STA. 3+91

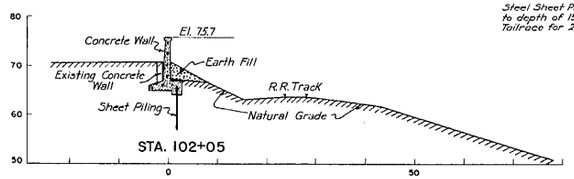
LANDSIDE RIVERSIDE



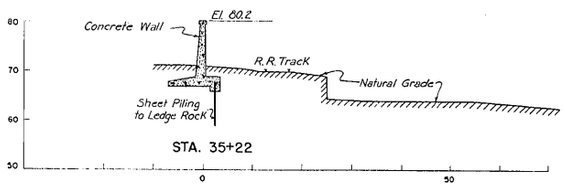
STA. 55+48



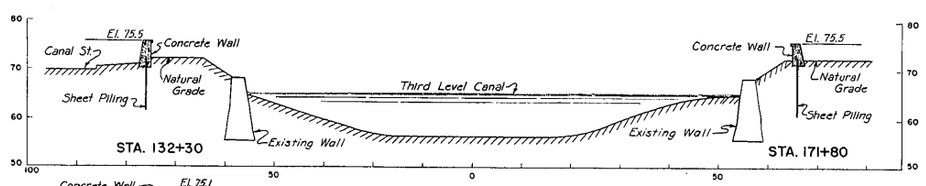
STA. 20+24 STA. 16+00



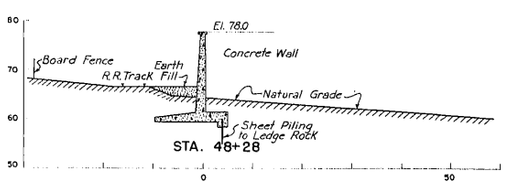
STA. 102+05



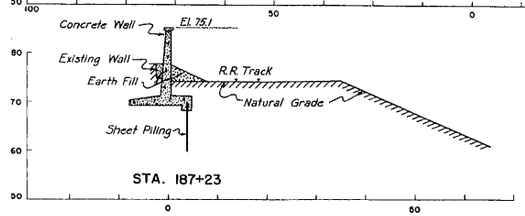
STA. 35+22



STA. 132+30 STA. 171+80



STA. 48+28



STA. 187+23

TYPICAL SECTIONS

HORZ. & VERT. DISTANCES IN FEET

NOTE:

ALL ELEVATIONS ARE REFERRED TO M.S.L. (SANDY HOOK DATUM)

CONNECTICUT RIVER FLOOD CONTROL

PROFILE AND SECTIONS

HOLYOKE DIKE

HOLYOKE, MASSACHUSETTS

IN 2 SHEETS SCALES AS SHOWN SHEET NO. 2

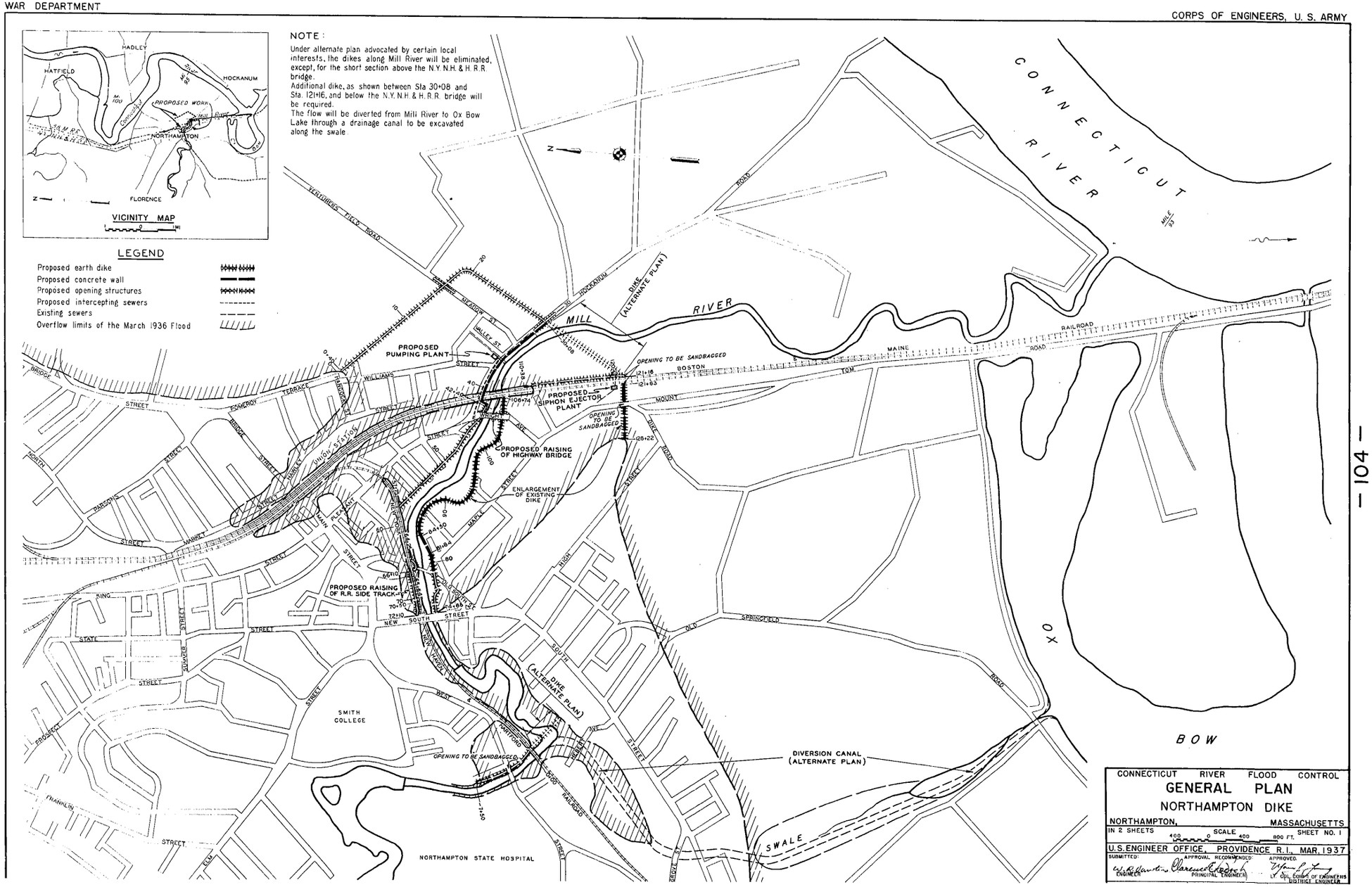
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: W. R. Hawtin, ENGINEER — APPROVAL RECOMMENDED: Clarence Cornell, PRINCIPAL ENGINEER — APPROVED: Lt. Col. Corps of Engineers, DISTRICT ENGINEER

DRAWN BY: H.P.B. — TO ACCOMPANY REPORT — FILE NO.

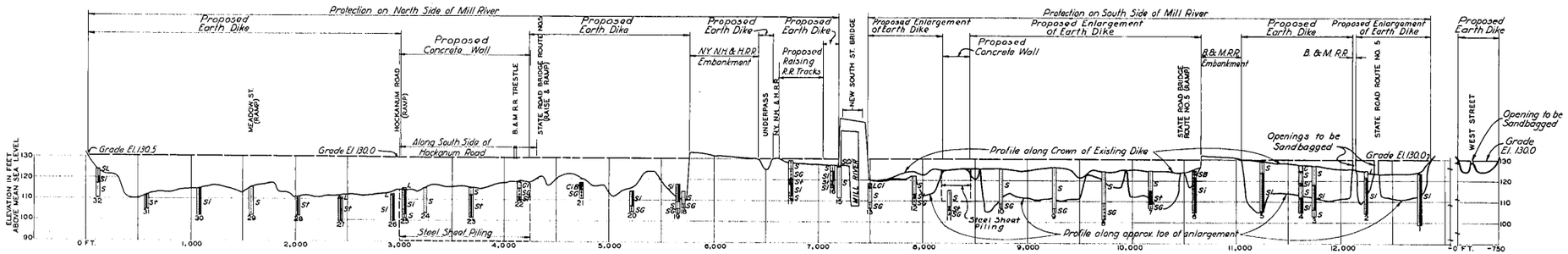
WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY

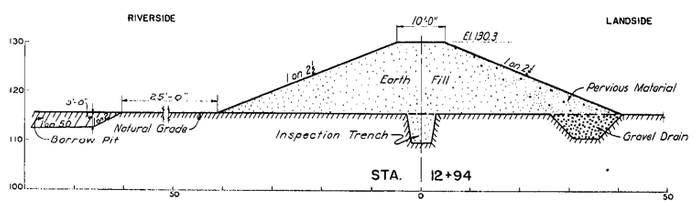


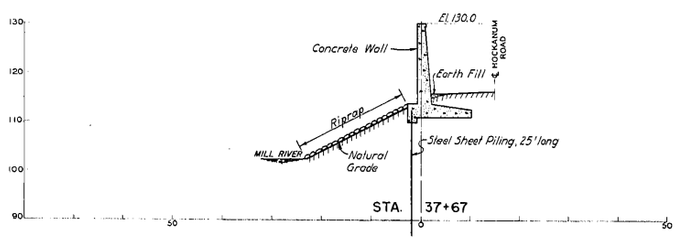
WAR DEPARTMENT

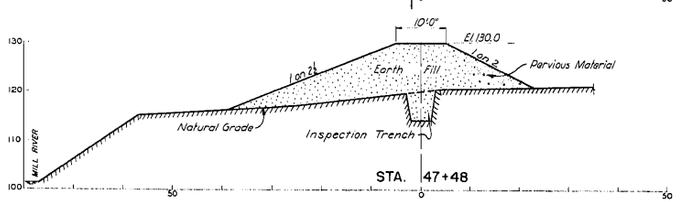
CORPS OF ENGINEERS, U. S. ARMY

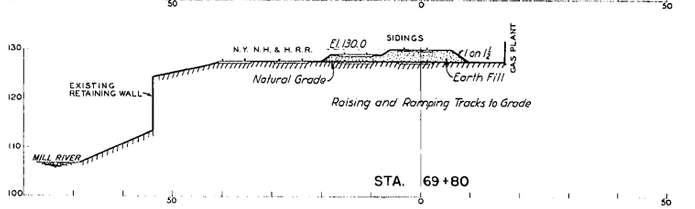


PROFILE OF DIKE



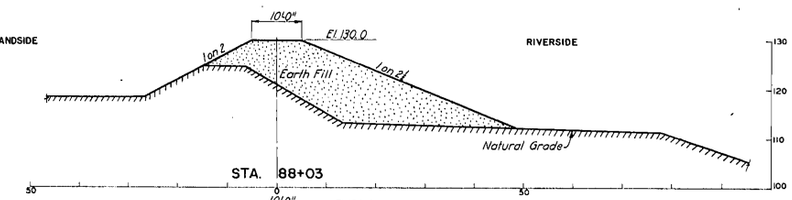


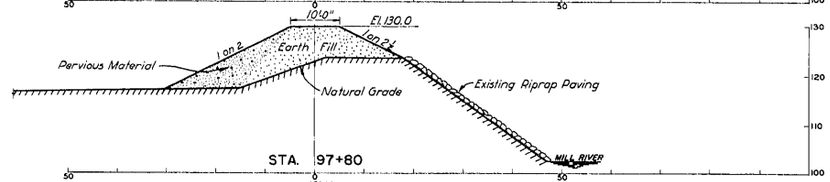


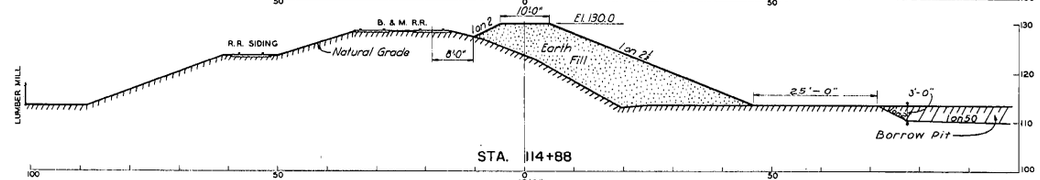


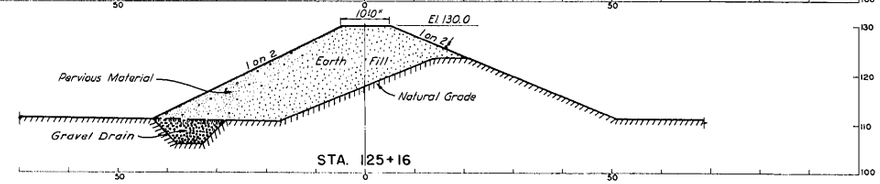
LEGEND

SAND	S
SILT	Sr
SILTY SAND	Si
LOAM	L
GRAVEL	G
CINDERS	Cl
BRICK	B









TYPICAL SECTIONS

HORZ. & VERT. DISTANCES IN FEET

NOTE:

ALL ELEVATION ARE REFERRED TO M.S.L. (SANDY HOOK DATUM.)

CONNECTICUT RIVER FLOOD CONTROL

PROFILE AND SECTIONS

NORTHAMPTON DIKE

NORTHAMPTON, MASSACHUSETTS

IN 2 SHEETS | SCALE AS SHOWN | SHEET NO. 2

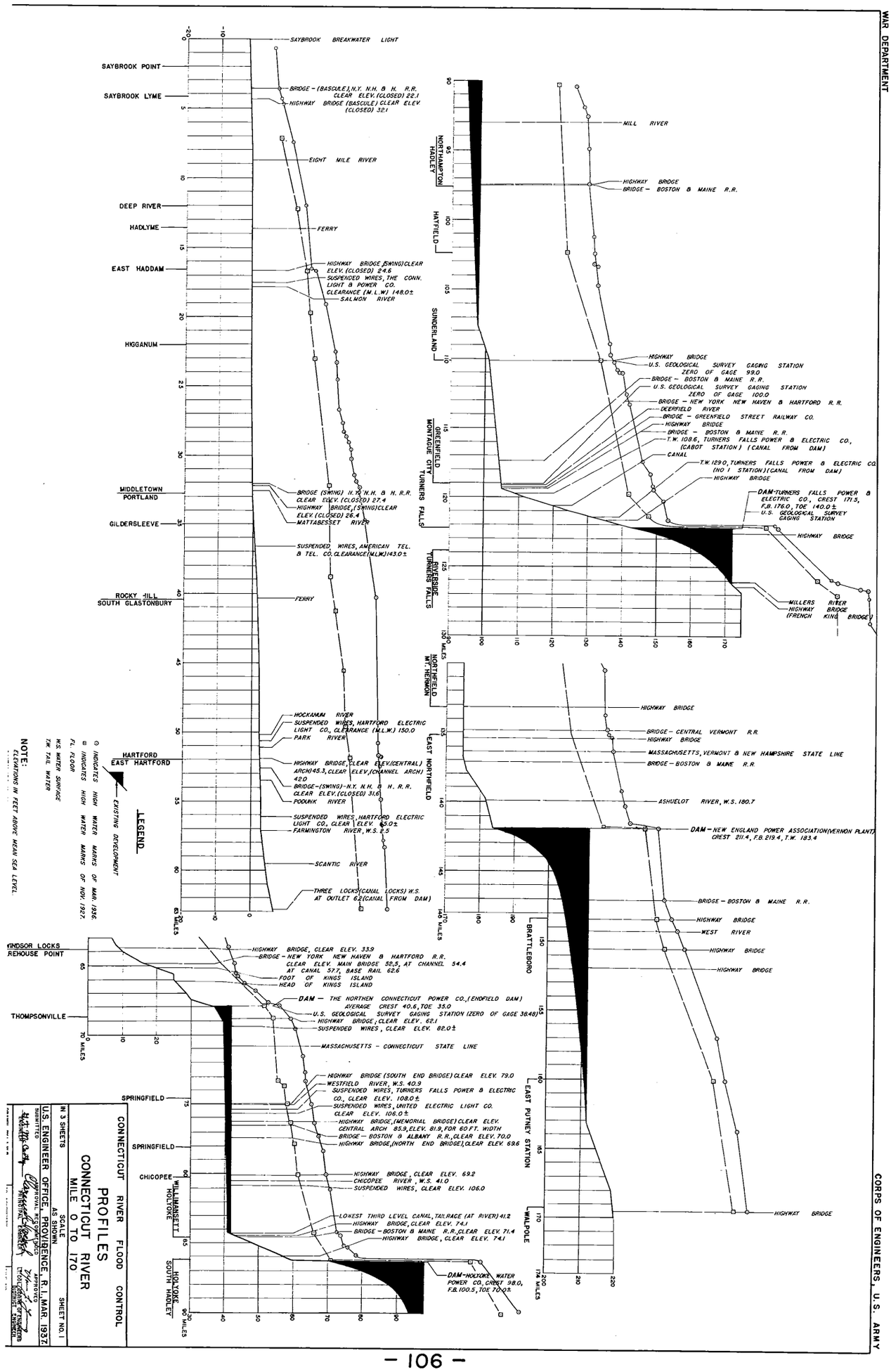
U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

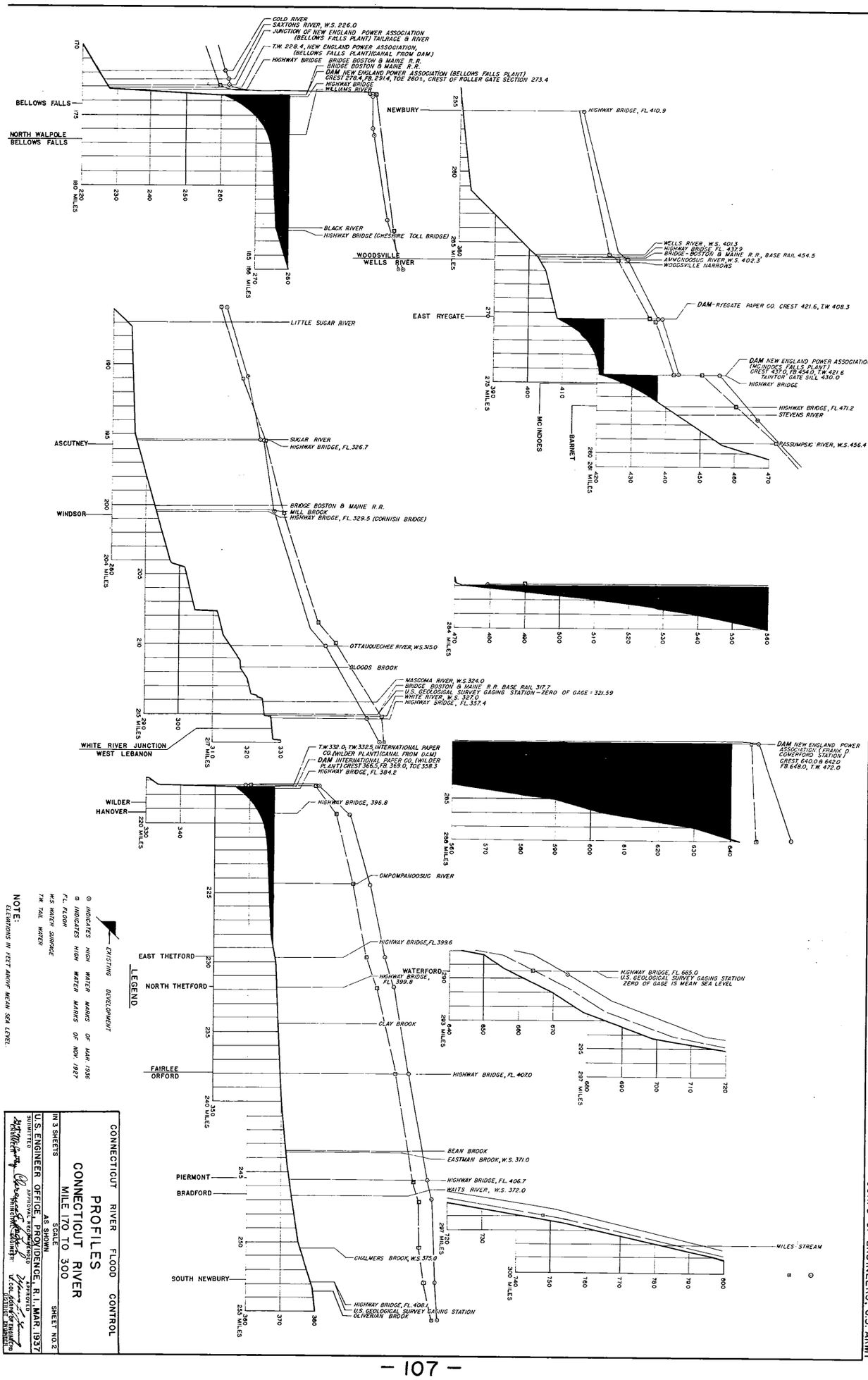
SUBMITTED: W. P. Lawton, ENGINEER — APPROVAL RECOMMENDED: Clarence E. Beach, PRINCIPAL ENGINEER — APPROVED: [illegible], LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

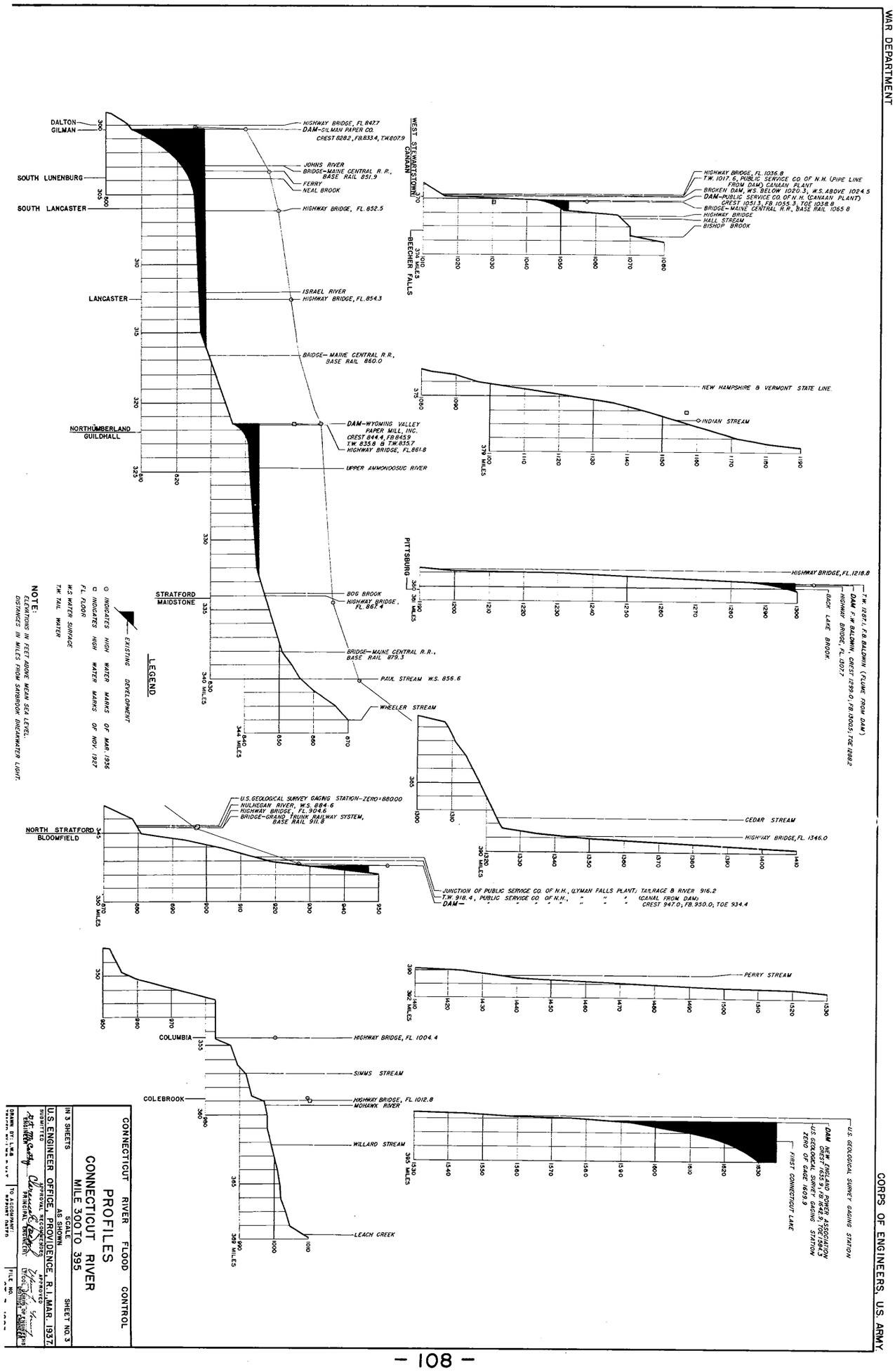
PLATE REFERENCE

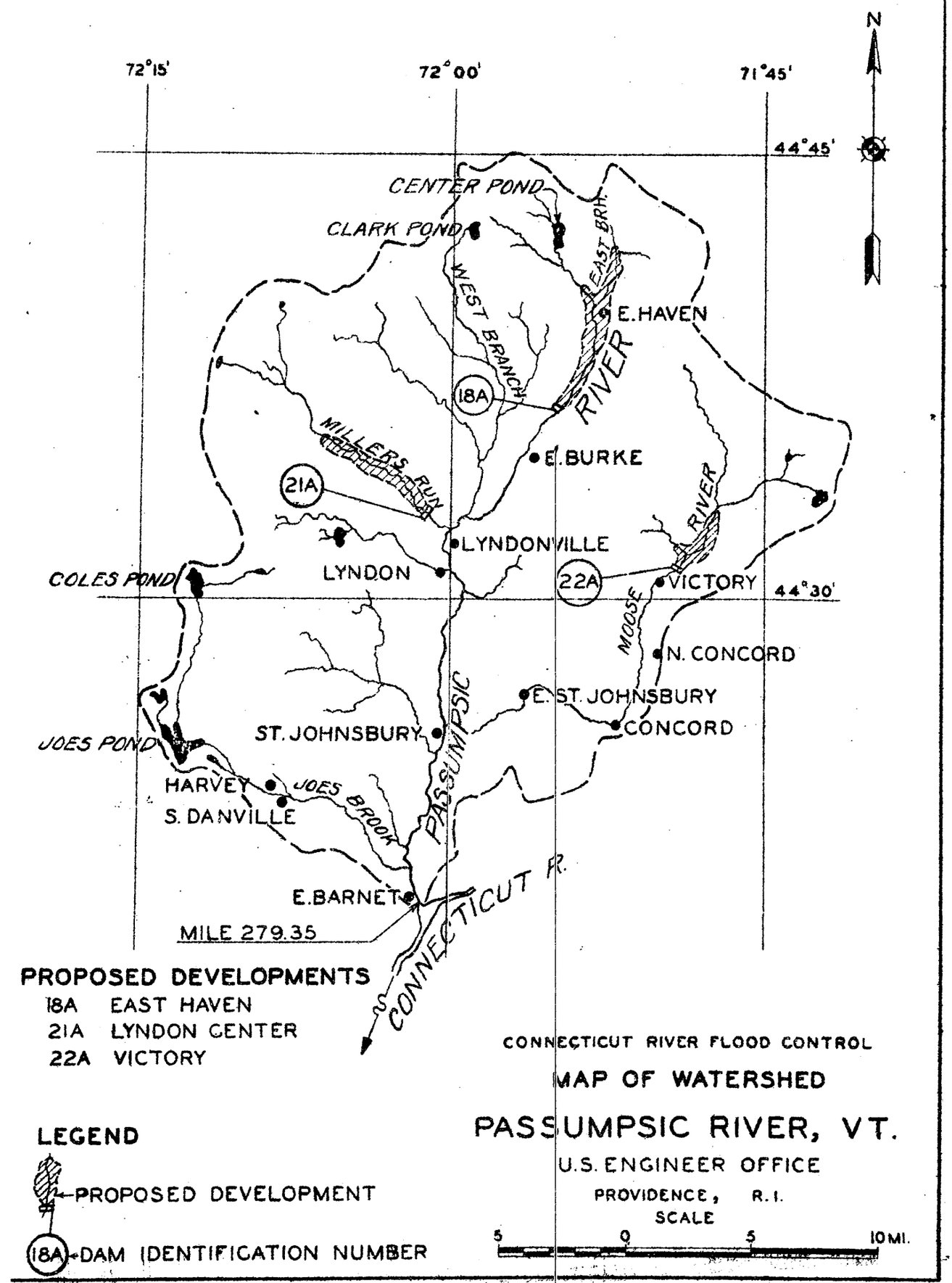
PROFILES

CONNECTICUT RIVER AND TRIBUTARIES


WAR DEPARTMENT
CORPS OF ENGINEERS, U.S. ARMY
SAYBROOK POINT
SAYBROOK LYME
DEEP RIVER
HADLYME
EAST HADDAM
HIGGANUM
MIDDLETOWN
PORTLAND
GILDERSLEEVE
ROCKY HILL
SOUTH GLASTONBURY
HARTFORD
EAST HARTFORD
WINDSOR LOCKS
REHOUSE POINT
THOMPSONVILLE
SPRINGFIELD
SPRINGFIELD
CHICOPEE
WILLIMANSETT
HOLYOKE
HOLYOKE
SOUTH HADLEY
NORTHAMPTON
HADLEY
HATFIELD
SUNDERLAND
GREENFIELD
MONTAGUE CITY
TURNERS FALLS
RIVERSIDE
TURNERS FALLS
NORTHFIELD
MT. HERMON
EAST NORTHFIELD
BRATTLEBORO
EAST PUTNEY STATION
WALPOLE
SAYBROOK BREAKWATER LIGHT
BRIDGE - (BASCULE), N.Y. N.H. & H. R.R. CLEAR ELEV. (CLOSED) 22.1
HIGHWAY BRIDGE (BASCULE) CLEAR ELEV (CLOSED) 32.1
EIGHT MILE RIVER
FERRY
HIGHWAY BRIDGE (SWING) CLEAR ELEV. (CLOSED) 24.6
SUSPENDED WIRES, THE CONN. LIGHT & POWER CO. CLEARANCE (M.L.W.) 148.0±
SALMON RIVER
BRIDGE (SWING) N.Y. N.H. & H. R.R. CLEAR ELEV. (CLOSED) 27.4
HIGHWAY BRIDGE, (SWING) CLEAR ELEV. (CLOSED) 26.4
MATTABESSET RIVER
SUSPENDED WIRES, AMERICAN TEL. & TEL. CO. CLEARANCE (M.L.W.) 143.0±
FERRY
HOCKANUM RIVER
SUSPENDED WIRES, HARTFORD ELECTRIC LIGHT CO., CLEARANCE (M.L.W.) 150.0
PARK RIVER
HIGHWAY BRIDGE, CLEAR ELEV. (CENTRAL) ARCH) 45.3, CLEAR ELEV. (CHANNEL ARCH) 42.0
BRIDGE-(SWING)-N.Y. N.H. & H. R.R. CLEAR ELEV. (CLOSED) 31.6
POQUNK RIVER
SUSPENDED WIRES, HARTFORD ELECTRIC LIGHT CO. CLEAR ELEV. 62.0±
FARMINGTON RIVER, W.S. 2.5
SCANTIC RIVER
THREE LOCKS (CANAL LOCKS) W.S. AT OUTLET 62 (CANAL FROM DAM)
HIGHWAY BRIDGE, CLEAR ELEV. 33.9
BRIDGE - NEW YORK NEW HAVEN & HARTFORD R.R. CLEAR ELEV. MAIN BRIDGE 52.5, AT CHANNEL 54.4 AT CANAL 57.7, BASE RAIL 62.6
FOOT OF KINGS ISLAND
HEAD OF KINGS ISLAND
DAM - THE NORTHEN CONNECTICUT POWER CO., (ENDFIELD DAM) AVERAGE CREST 40.6, TOE 35.0
U.S. GEOLOGICAL SURVEY GAGING STATION (ZERO OF GAGE 38.48)
HIGHWAY BRIDGE, CLEAR ELEV. 62.1
SUSPENDED WIRES, CLEAR ELEV. 82.0±
MASSACHUSETTS - CONNECTICUT STATE LINE
HIGHWAY BRIDGE (SOUTH END BRIDGE) CLEAR ELEV. 79.0
WESTFIELD RIVER, W.S. 40.9
SUSPENDED WIRES, TURNERS FALLS POWER & ELECTRIC CO., CLEAR ELEV. 108.0±
SUSPENDED WIRES, UNITED ELECTRIC LIGHT CO. CLEAR ELEV. 106.0±
HIGHWAY BRIDGE, (MEMORIAL BRIDGE) CLEAR ELEV. CENTRAL ARCH 85.9, ELEV. 81.9, FOR 60 FT. WIDTH
BRIDGE - BOSTON & ALBANY R.R., CLEAR ELEV. 70.0
HIGHWAY BRIDGE, (NORTH END BRIDGE), CLEAR ELEV. 69.6
HIGHWAY BRIDGE, CLEAR ELEV. 69.2
CHICOPEE RIVER, W.S. 41.0
SUSPENDED WIRES, CLEAR ELEV. 106.0
LOWEST THIRD LEVEL CANAL, TAILRACE (AT RIVER) 41.2
HIGHWAY BRIDGE, CLEAR ELEV. 74.1
BRIDGE - BOSTON & MAINE R.R., CLEAR ELEV. 71.4
HIGHWAY BRIDGE, CLEAR ELEV. 74.1
DAM - HOLYOKE WATER POWER CO., CREST 98.0, F.B. 100.5, TOE 70.0±
MILL RIVER
HIGHWAY BRIDGE
BRIDGE - BOSTON & MAINE R.R.
HIGHWAY BRIDGE
U.S. GEOLOGICAL SURVEY GAGING STATION ZERO OF GAGE 99.0
BRIDGE - BOSTON & MAINE R.R.
U.S. GEOLOGICAL SURVEY GAGING STATION ZERO OF GAGE 100.0
BRIDGE - NEW YORK NEW HAVEN & HARTFORD R.R.
DEERFIELD RIVER
BRIDGE - GREENFIELD STREET RAILWAY CO.
HIGHWAY BRIDGE
BRIDGE - BOSTON & MAINE R.R.
T.W. 108.6, TURNERS FALLS POWER & ELECTRIC CO., (CABOT STATION) (CANAL FROM DAM)
CANAL
T.W. 129.0, TURNERS FALLS POWER & ELECTRIC CO. (NO 1 STATION) (CANAL FROM DAM)
HIGHWAY BRIDGE
DAM - TURNERS FALLS POWER & ELECTRIC CO., CREST 171.5, F.B. 176.0, TOE 140.0±
U.S. GEOLOGICAL SURVEY GAGING STATION
HIGHWAY BRIDGE
MILLERS RIVER HIGHWAY BRIDGE (FRENCH King BRIDGE)
HIGHWAY BRIDGE
BRIDGE - CENTRAL VERMONT R.R.
HIGHWAY BRIDGE
MASSACHUSETTS, VERMONT & NEW HAMPSHIRE STATE LINE
BRIDGE - BOSTON & MAINE R.R.
ASHUELOT RIVER, W.S. 180.7
DAM - NEW ENGLAND POWER ASSOCIATION (VERNON PLANT) CREST 211.4, F.B. 219.4, T.W. 183.4
BRIDGE - BOSTON & MAINE R.R.
HIGHWAY BRIDGE
WEST RIVER
HIGHWAY BRIDGE
HIGHWAY BRIDGE
HIGHWAY BRIDGE
LEGEND
EXISTING DEVELOPMENT
INDICATES HIGH WATER MARKS OF MAR. 1936.
INDICATES HIGH WATER MARKS OF NOV. 1927.
FL. FLOOR
W.S. WATER SURFACE
T.W. TAIL WATER
NOTE:
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
CONNECTICUT RIVER
MILE 0 TO 170
IN 3 SHEETS
SCALE AS SHOWN
SHEET NO. 1
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937.
SUBMITTED
APPROVAL RECOMMENDED
APPROVED
LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER


WAR DEPARTMENT
CORPS OF ENGINEERS, U.S. ARMY
COLD RIVER
SAXTONS RIVER, W.S. 226.0
JUNCTION OF NEW ENGLAND POWER ASSOCIATION (BELLOWS FALLS PLANT) TAILRACE & RIVER
T.W. 228.4, NEW ENGLAND POWER ASSOCIATION, (BELLOWS FALLS PLANT)(CANAL FROM DAM)
HIGHWAY BRIDGE
BRIDGE BOSTON & MAINE R.R.
BRIDGE BOSTON & MAINE R.R.
DAM NEW ENGLAND POWER ASSOCIATION (BELLOWS FALLS PLANT) CREST 278.4, FB. 291.4, TOE 260±, CREST OF ROLLER GATE SECTION 273.4
HIGHWAY BRIDGE
WILLIAMS RIVER
BELLOWS FALLS
NORTH WALPOLE
BELLOWS FALLS
BLACK RIVER
HIGHWAY BRIDGE (CHESHIRE TOLL BRIDGE)
NEWBURY
HIGHWAY BRIDGE, FL. 410.9
WOODSVILLE
WELLS RIVER
WELLS RIVER, W.S. 401.3
HIGHWAY BRIDGE, FL. 437.9
BRIDGE - BOSTON & MAINE R.R., BASE RAIL 454.5
AMMONOOSUC RIVER, W.S. 402.3
WOODSVILLE NARROWS
EAST RYEGATE
DAM-RYEGATE PAPER CO. CREST 421.6, T.W. 408.3
DAM NEW ENGLAND POWER ASSOCIATION (MCINDOES FALLS PLANT) CREST 437.0, FB 454.0, T.W. 421.6 TAINTOR GATE SILL 430.0
HIGHWAY BRIDGE
HIGHWAY BRIDGE, FL. 471.2
STEVENS RIVER
PASSUMPSIC RIVER, W.S. 456.4
MC INDOES
BARNET
LITTLE SUGAR RIVER
ASCUTNEY
SUGAR RIVER
HIGHWAY BRIDGE, FL. 326.7
WINDSOR
BRIDGE BOSTON & MAINE R.R.
MILL BROOK
HIGHWAY BRIDGE, FL. 329.5 (CORNISH BRIDGE)
OTTAUQUECHEE RIVER, W.S. 315.0
BLOODS BROOK
MASCOMA RIVER, W.S. 324.0
BRIDGE BOSTON & MAINE R.R. BASE RAIL 317.7
U.S. GEOLOGICAL SURVEY GAGING STATION - ZERO OF GAGE = 321.59
WHITE RIVER, W.S. 327.0
HIGHWAY BRIDGE, FL. 357.4
WHITE RIVER JUNCTION
WEST LEBANON
T.W. 332.0, T.W. 332.5, INTERNATIONAL PAPER CO. (WILDER PLANT)(CANAL FROM DAM)
DAM INTERNATIONAL PAPER CO. (WILDER PLANT) CREST 366.5, FB. 369.0, TOE 358.3
HIGHWAY BRIDGE, FL. 384.2
DAM NEW ENGLAND POWER ASSOCIATION (FRANK D. COMERFORD STATION) CREST 640.0 & 642.0 FB 648.0, T.W. 472.0
WILDER
HANOVER
HIGHWAY BRIDGE, 396.8
OMPOMPANOOSUC RIVER
EAST THETFORD
HIGHWAY BRIDGE, FL. 399.6
NORTH THETFORD
HIGHWAY BRIDGE, FL. 399.8
WATERFORD
HIGHWAY BRIDGE, FL. 685.0
U.S. GEOLOGICAL SURVEY GAGING STATION ZERO OF GAGE IS MEAN SEA LEVEL
CLAY BROOK
FAIRLEE
ORFORD
HIGHWAY BRIDGE, FL. 407.0
BEAN BROOK
EASTMAN BROOK, W.S. 371.0
PIERMONT
BRADFORD
HIGHWAY BRIDGE, FL. 406.7
WAITS RIVER, W.S. 372.0
MILES STREAM
CHALMERS BROOK, W.S. 375.0
SOUTH NEWBURY
HIGHWAY BRIDGE, FL. 408.1
U.S. GEOLOGICAL SURVEY GAGING STATION
OLIVERIAN BROOK
LEGEND
EXISTING DEVELOPMENT
INDICATES HIGH WATER MARKS OF MAR. 1936
INDICATES HIGH WATER MARKS OF NOV. 1927
FL. FLOOR
W.S. WATER SURFACE
T.W. TAIL WATER
NOTE:
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
CONNECTICUT RIVER
MILE 170 TO 300
IN 3 SHEETS
SCALE AS SHOWN
SHEET NO. 2
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED
APPROVAL RECOMMENDED
APPROVED
ENGINEER
PRINCIPAL ENGINEER
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER


WAR DEPARTMENT
CORPS OF ENGINEERS, U.S. ARMY
DALTON
GILMAN
SOUTH LUNENBURG
SOUTH LANCASTER
LANCASTER
NORTHUMBERLAND
GUILDHALL
STRATFORD
MAIDSTONE
NORTH STRATFORD
BLOOMFIELD
COLUMBIA
COLEBROOK
HIGHWAY BRIDGE, FL. 847.7
DAM-GILMAN PAPER CO.
CREST 828.2, FB 833.4, TW 807.9
JOHNS RIVER
BRIDGE-MAINE CENTRAL R.R., BASE RAIL 851.9
FERRY
NEAL BROOK
HIGHWAY BRIDGE, FL. 852.5
ISRAEL RIVER
HIGHWAY BRIDGE, FL. 854.3
BRIDGE-MAINE CENTRAL R.R., BASE RAIL 860.0
DAM-WYOMING VALLEY PAPER MILL, INC.
CREST 844.4, FB 845.9
T.W. 835.8 & T.W. 835.7
HIGHWAY BRIDGE, FL. 861.8
UPPER AMMONOOSUC RIVER
BOG BROOK
HIGHWAY BRIDGE, FL. 867.4
BRIDGE-MAINE CENTRAL R.R., BASE RAIL 879.3
PAUL STREAM W.S. 856.6
WHEELER STREAM
U.S. GEOLOGICAL SURVEY GAGING STATION-ZERO=880.00
NULHEGAN RIVER, W.S. 884.6
HIGHWAY BRIDGE, FL. 904.6
BRIDGE-GRAND TRUNK RAILWAY SYSTEM, BASE RAIL 911.8
JUNCTION OF PUBLIC SERVICE CO. OF N.H., (LYMAN FALLS PLANT) TAILRACE & RIVER 916.2
T.W. 918.4, PUBLIC SERVICE CO. OF N.H., " " " (CANAL FROM DAM)
DAM- " " " " " " " CREST 947.0; FB. 950.0; TOE 934.4
HIGHWAY BRIDGE, FL. 1004.4
SIMMS STREAM
HIGHWAY BRIDGE, FL. 1012.8
MOHAWK RIVER
WILLARD STREAM
LEACH CREEK
WEST STEWARTSTOWN
CANAAN
BEECHER FALLS
HIGHWAY BRIDGE, FL. 1036.8
T.W. 1017.6, PUBLIC SERVICE CO. OF N.H. (PIPE LINE FROM DAM) CANAAN PLANT
BROKEN DAM, W.S. BELOW 1020.3; W.S. ABOVE 1024.5
DAM-PUBLIC SERVICE CO. OF N.H. (CANAAN PLANT) CREST 1051.3, FB 1055.3, TOE 1038.8
BRIDGE-MAINE CENTRAL R.R., BASE RAIL 1065.8
HIGHWAY BRIDGE
HALL STREAM
BISHOP BROOK
NEW HAMPSHIRE & VERMONT STATE LINE
INDIAN STREAM
PITTSBURG
HIGHWAY BRIDGE, FL. 1218.8
T.W. 1287.1, F.B. BALDWIN (FLUME FROM DAM)
DAM F.W. BALDWIN, CREST 1299.0, FB. 1300.5; TOE 1288.2
HIGHWAY BRIDGE, FL. 1307.7
BACK LAKE BROOK
CEDAR STREAM
HIGHWAY BRIDGE, FL. 1346.0
PERRY STREAM
U.S. GEOLOGICAL SURVEY GAGING STATION
DAM NEW ENGLAND POWER ASSOCIATION CREST 1635.9; FB 1642.9; TOE 1584.3
U.S. GEOLOGICAL SURVEY GAGING STATION ZERO OF GAGE 1609.9
FIRST CONNECTICUT LAKE
LEGEND
EXISTING DEVELOPMENT
INDICATES HIGH WATER MARKS OF MAR. 1936
INDICATES HIGH WATER MARKS OF NOV. 1927
F.L. FLOOR
W.S. WATER SURFACE
T.W. TAIL WATER
NOTE:
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.
DISTANCES IN MILES FROM SAYBROOK BREAKWATER LIGHT.
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
CONNECTICUT RIVER
MILE 300 TO 395
IN 3 SHEETS
SCALE AS SHOWN
SHEET NO. 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937.
SUBMITTED
APPROVAL RECOMMENDED
APPROVED
PRINCIPAL ENGINEER
LT. COL. CORPS OF ENGINEERS
DRAWN BY: L.W.B.
TO ACCOMPANY:
FILE NO.



PROPOSED DEVELOPMENTS

18A EAST HAVEN
21A LYNDON CENTER
22A VICTORY

LEGEND

←PROPOSED DEVELOPMENT

(18A)←DAM IDENTIFICATION NUMBER

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

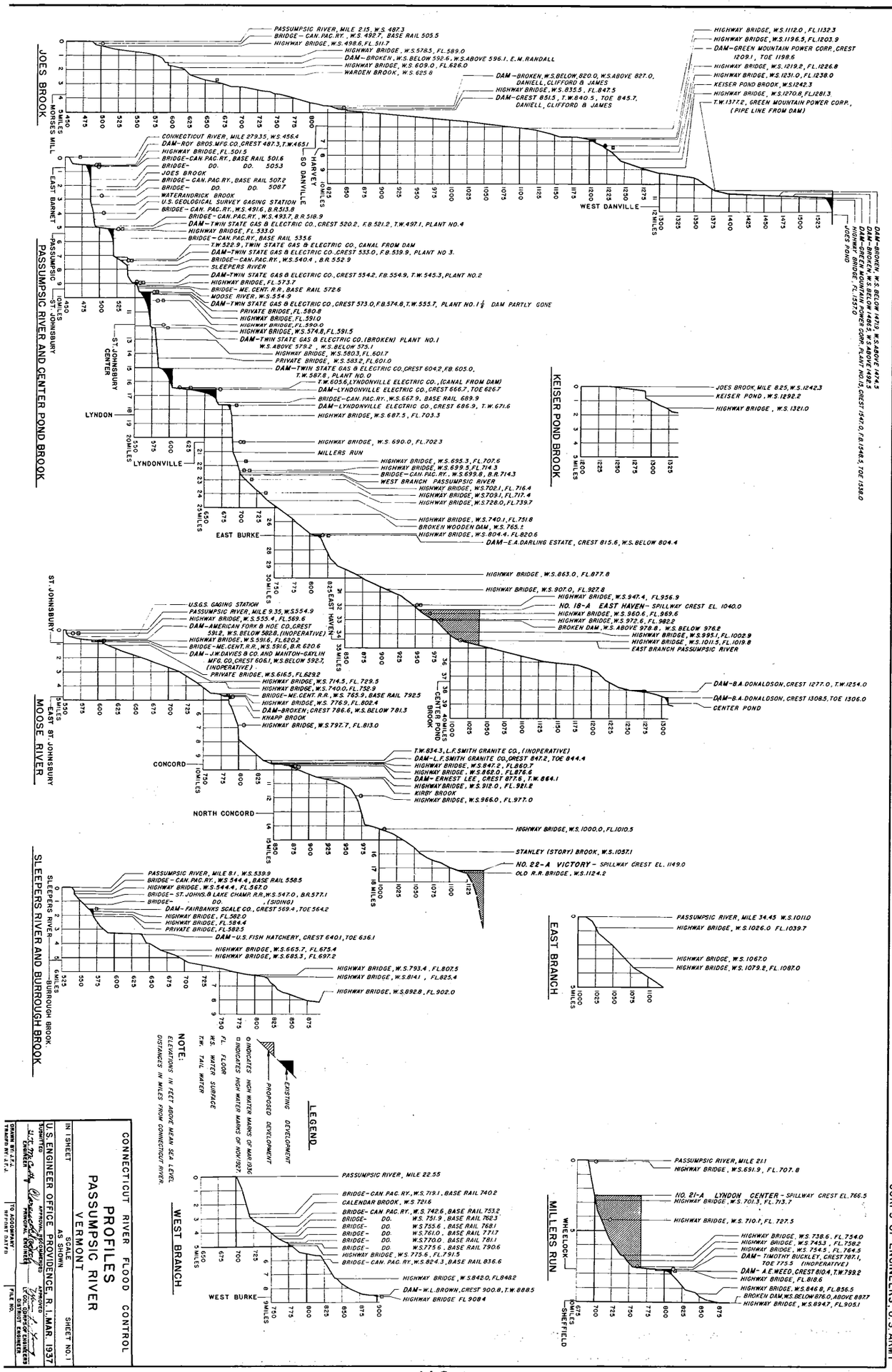
PASSUMPSIC RIVER, VT.

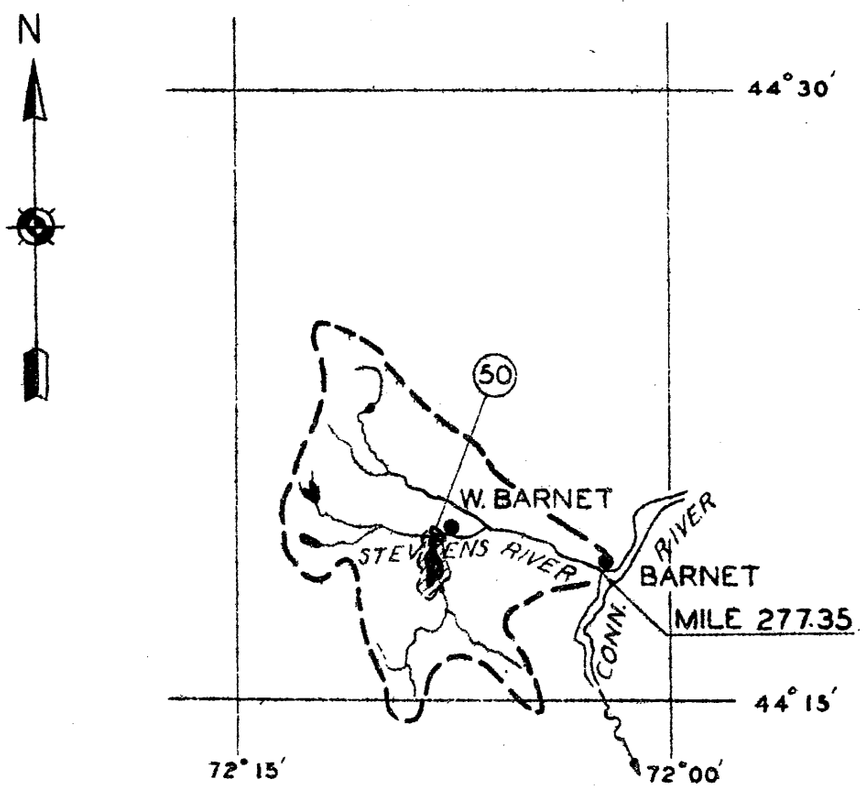
U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

5 0 5 10 MI.


WAR DEPARTMENT
CORPS OF ENGINEERS, U.S. ARMY
JOES BROOK
PASSUMPSIC RIVER AND CENTER POND BROOK
KEISER POND BROOK
MOOSE RIVER
SLEEPERS RIVER AND BURROUGH BROOK
EAST BRANCH
MILLERS RUN
WEST BRANCH
LEGEND
EXISTING DEVELOPMENT
PROPOSED DEVELOPMENT
NOTE:
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
DISTANCES IN MILES FROM CONNECTICUT RIVER.
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
PASSUMPSIC RIVER
VERMONT
IN 1 SHEET
SCALE AS SHOWN
SHEET NO. 1
U.S. ENGINEER OFFICE PROVIDENCE, R.I. MAR. 1937
SUBMITTED
APPROVAL RECOMMENDED
APPROVED
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY: J.F.J.
TRACED BY: J.F.J.
TO AGGOMPANY REPORT DATED
FILE NO.



PROPOSED DEVELOPMENT

50 HARVEY LAKE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

STEVENS RIVER, VERMONT

U. S. ENGINEER OFFICE

PROVIDENCE, R. I.

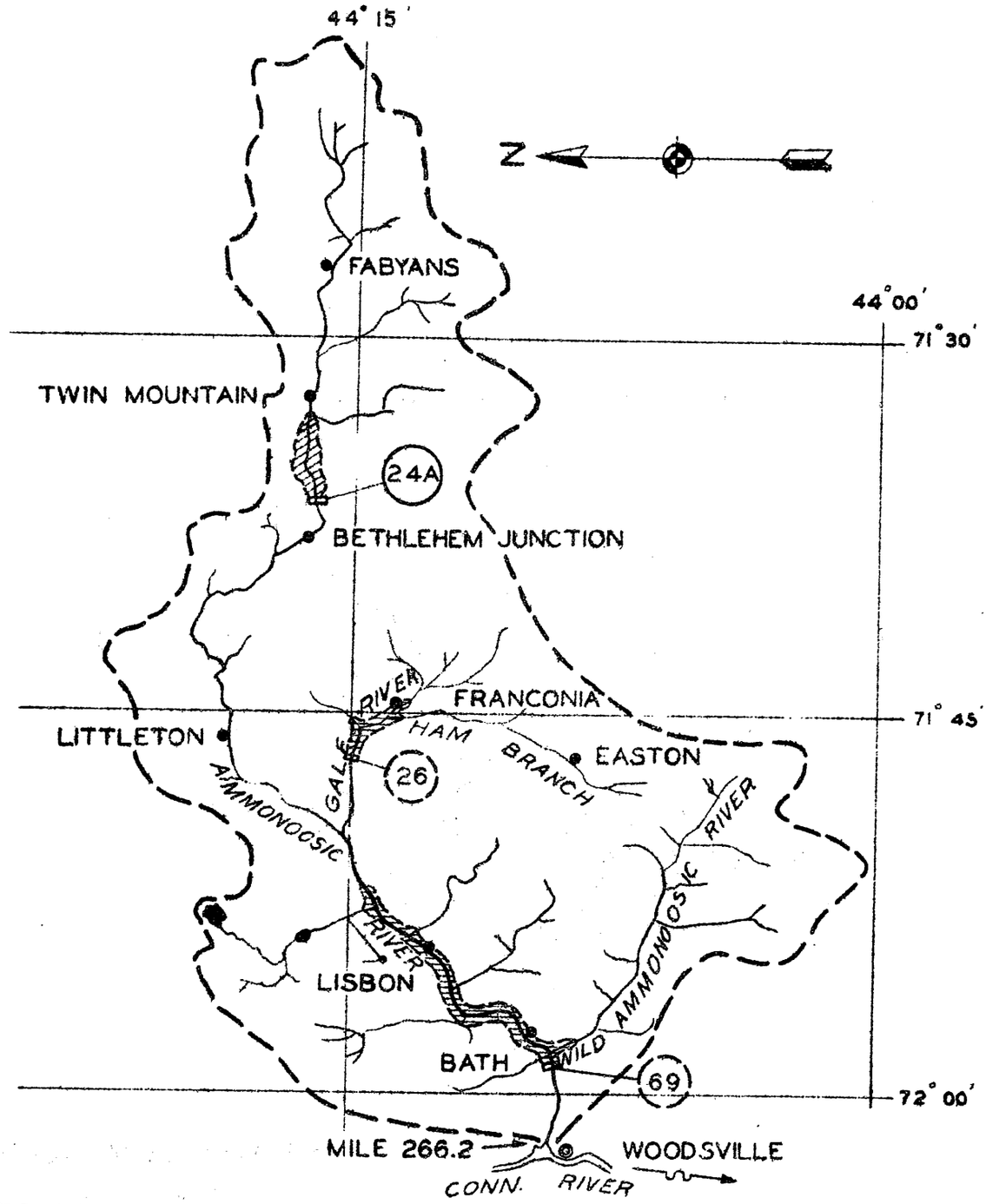
SCALE

5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

50 DAM IDENTIFICATION NUMBER



PROPOSED DEVELOPMENT

24A BETHLEHEM JUNCTION

ALTERNATE DEVELOPMENTS

69 BATH

26 GALE RIVER

LEGEND

← PROPOSED DEVELOPMENT

(24A) ← DAM IDENTIFICATION NUMBER

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

AMMONOOSUC RIVER, N.H.

U. S. ENGINEER OFFICE

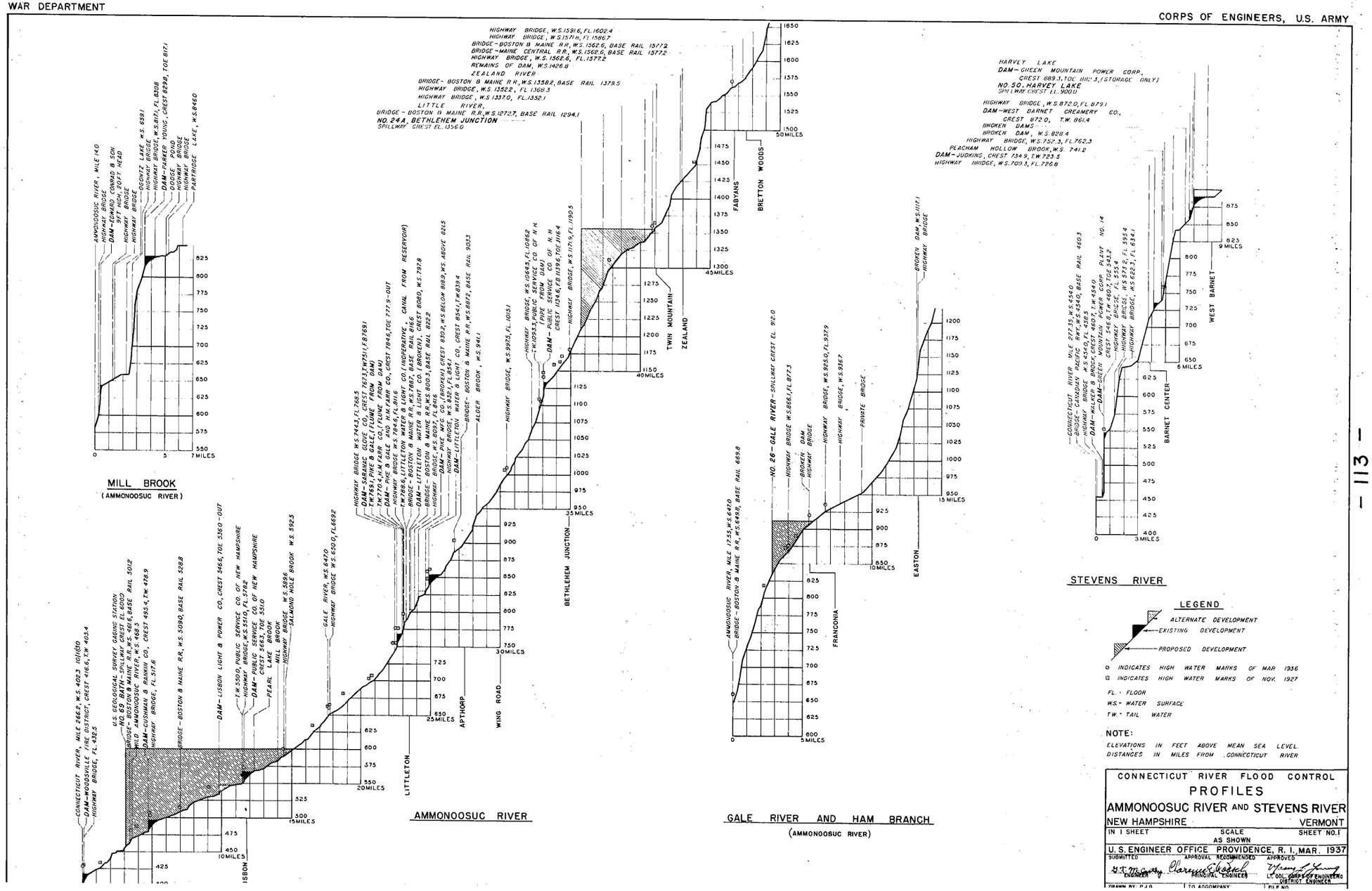
PROVIDENCE, R. I.

SCALE

5 0 5 10 MI.

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



CONNECTICUT RIVER FLOOD CONTROL

PROFILES

AMMONOOSUC RIVER AND STEVENS RIVER

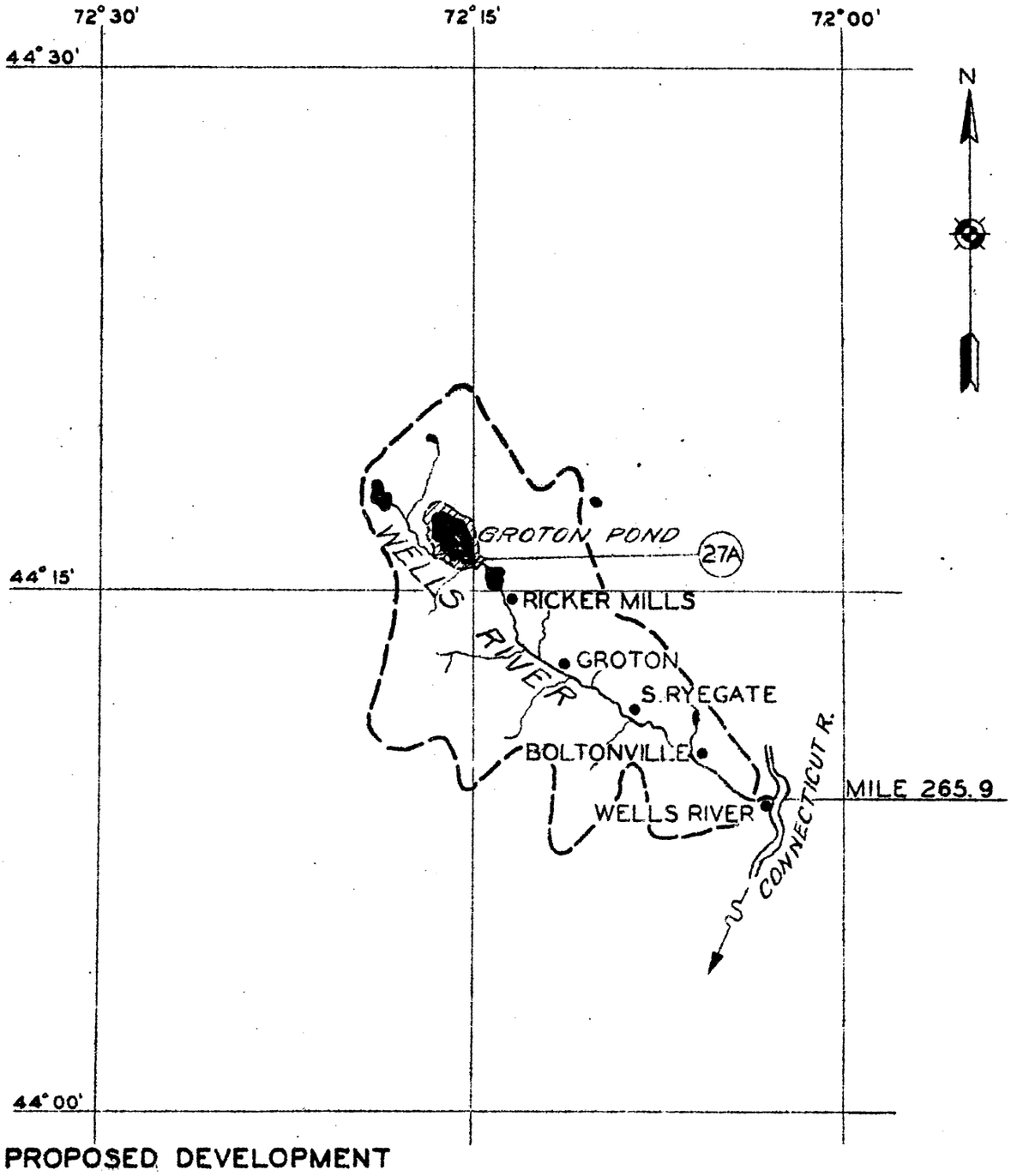
NEW HAMPSHIRE — VERMONT

IN 1 SHEET	SCALE AS SHOWN	SHEET NO. 1

U.S. ENGINEER OFFICE, PROVIDENCE, R. I. MAR. 1937

SUBMITTED	APPROVAL RECOMMENDED	APPROVED
ENGINEER	PRINCIPAL ENGINEER	LT. COL., CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY: P.J.B. | TO ACCOMPANY | FILE NO.



PROPOSED DEVELOPMENT

27A GROTON POND

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

WELLS RIVER, VERMONT

U. S. ENGINEER OFFICE

PROVIDENCE, R.I.

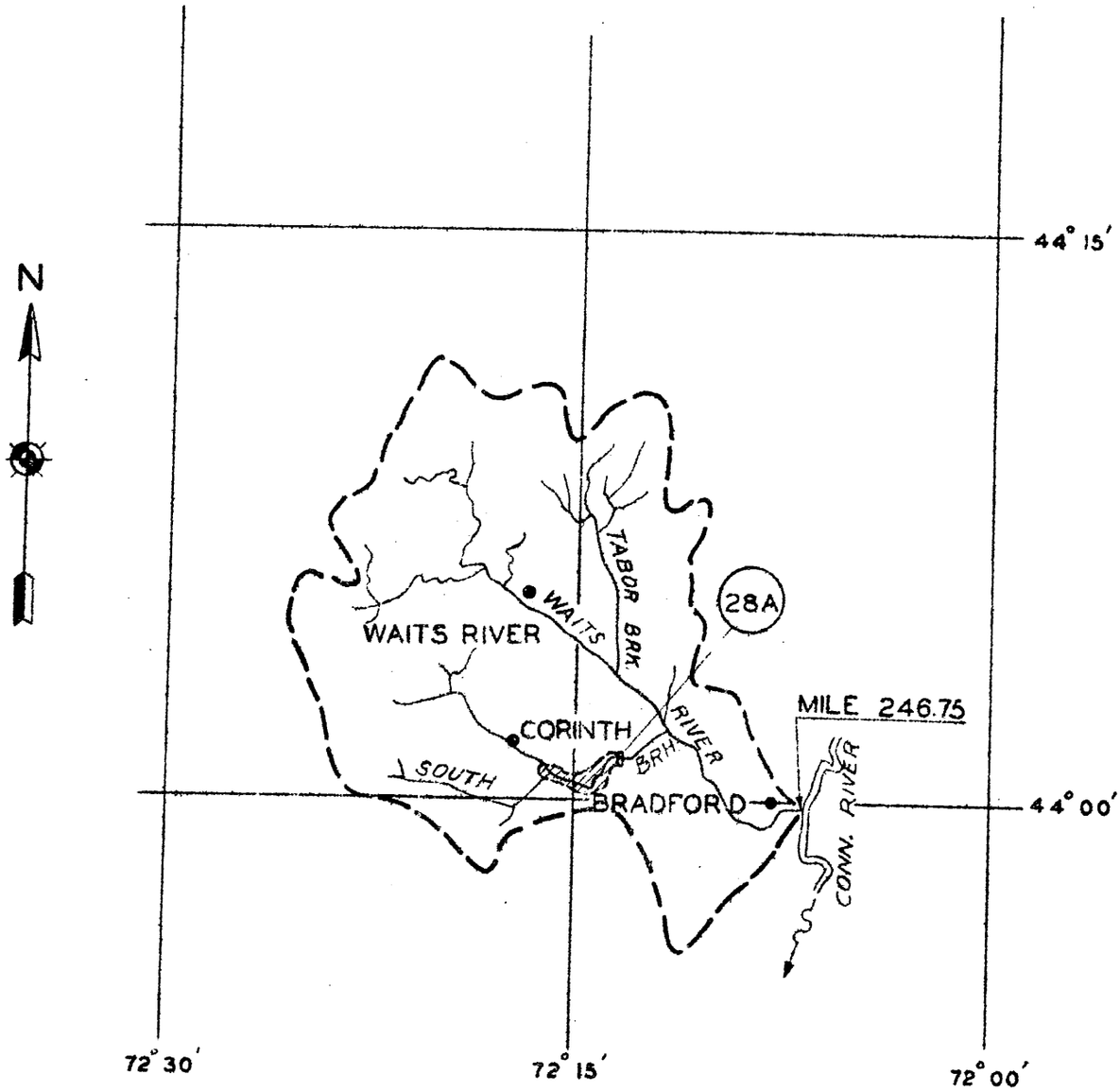
SCALE

5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

27A DAM IDENTIFICATION NUMBER



PROPOSED DEVELOPMENT
28A SOUTH BRANCH

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

WAITS RIVER, VERMONT

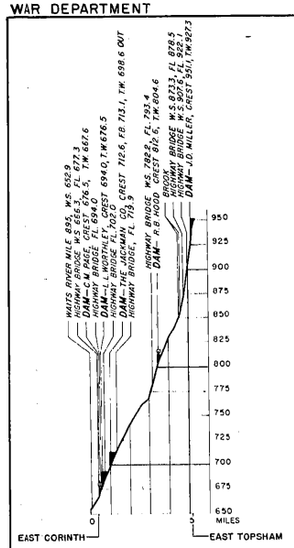
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE
5 0 5 10 MI.

LEGEND

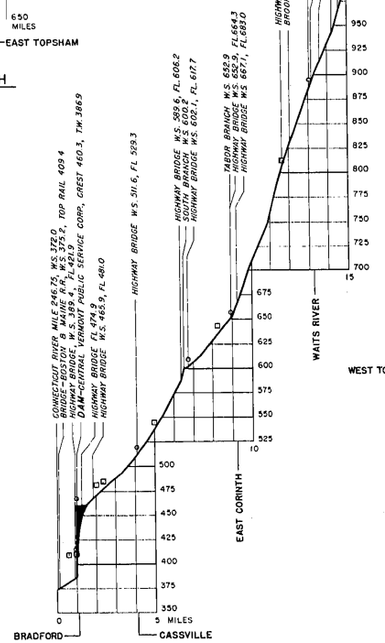
PROPOSED DEVELOPMENT

28A — DAM IDENTIFICATION NUMBER

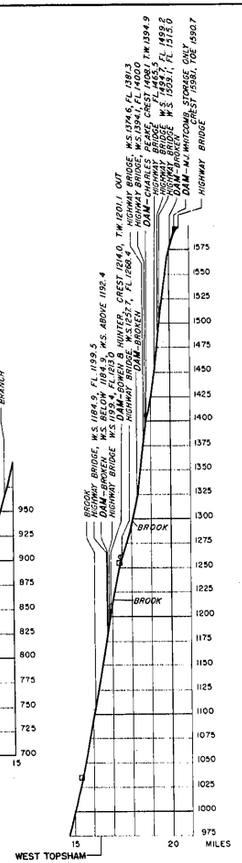


TABOR BRANCH

(WAITS RIVER)

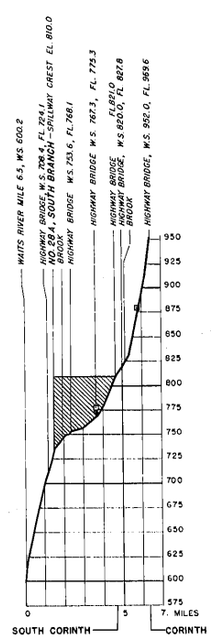


WAITS RIVER



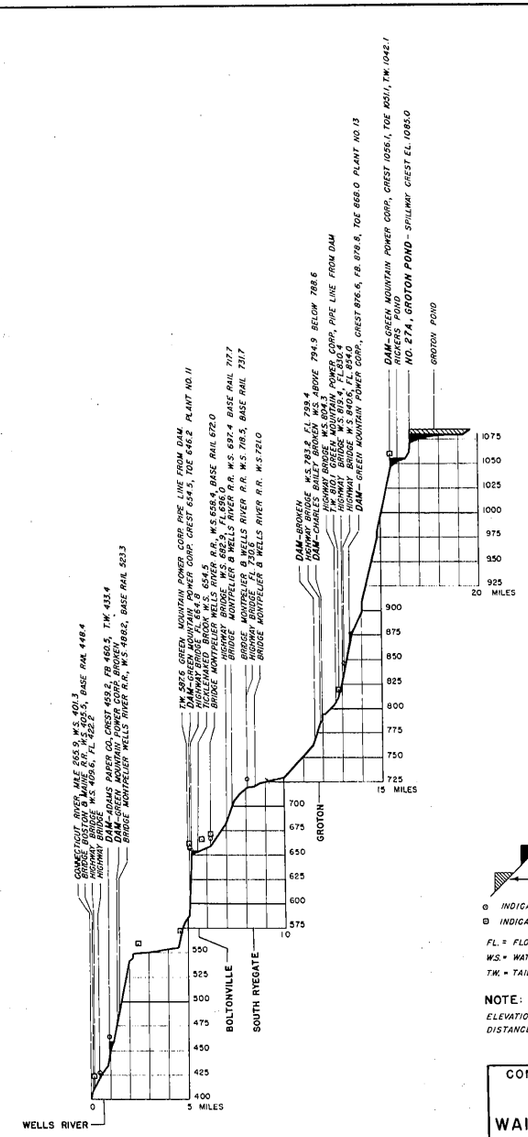
WAITS RIVER

(CONTINUED)

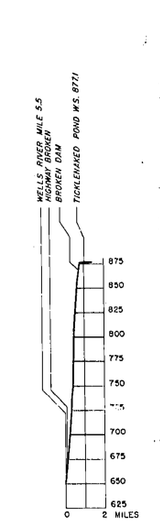


SOUTH BRANCH

(WAITS RIVER)



WELLS RIVER



TICKLENAKED BROOK

(WELLS RIVER)

LEGEND

EXISTING DEVELOPMENT

PROPOSED DEVELOPMENT

⊙ INDICATES HIGH WATER MARKS OF MAR. 1936

⊡ INDICATES HIGH WATER MARKS OF NOV. 1927.

FL. = FLOOR

W.S. = WATER SURFACE

T.W. = TAIL WATER

NOTE:

ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL

DISTANCES IN MILES FROM CONNECTICUT RIVER

CONNECTICUT RIVER FLOOD CONTROL

PROFILES

WAITS RIVER AND WELLS RIVER

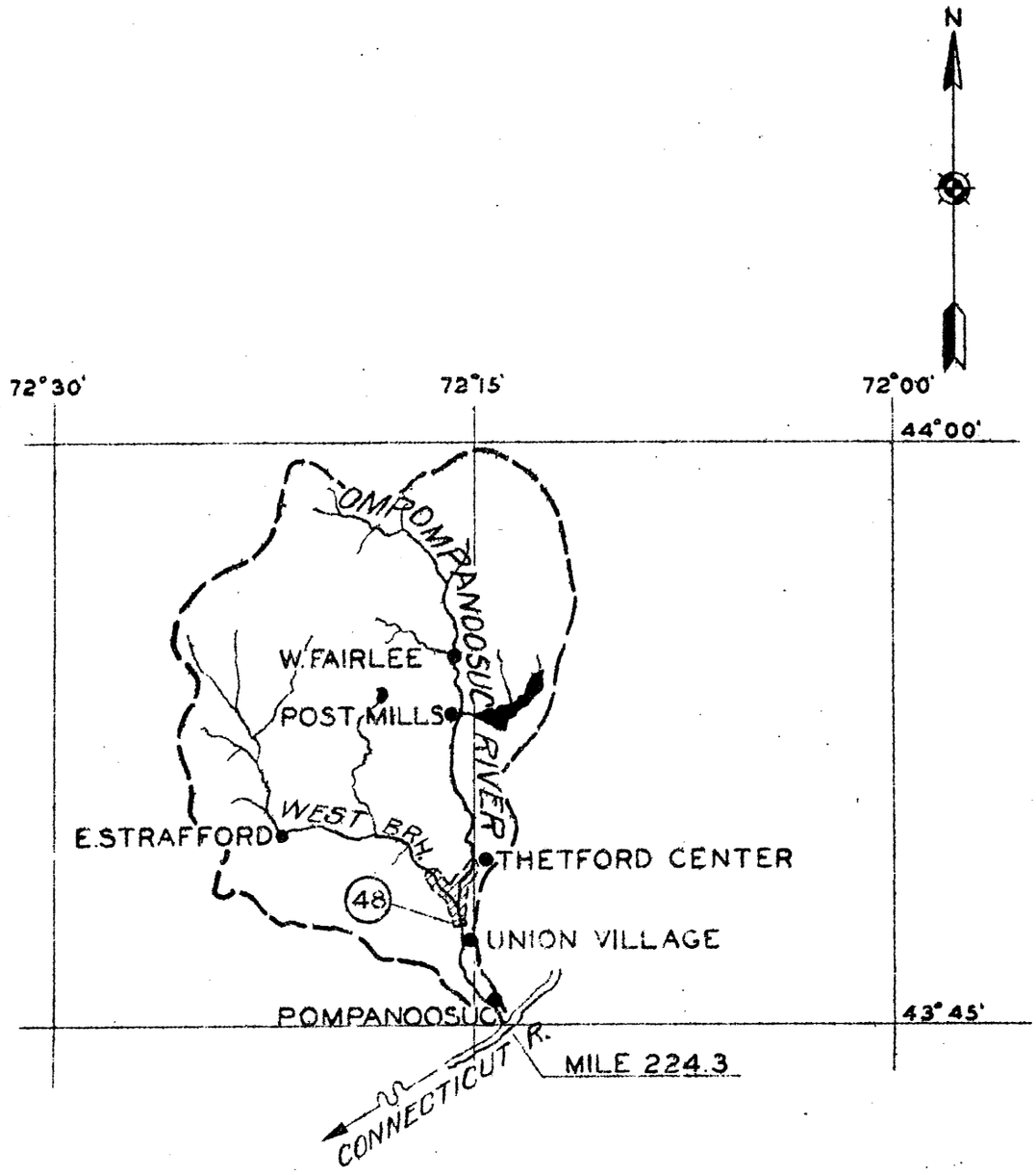
VERMONT

IN 1 SHEET	SCALE AS SHOWN	SHEET NO. 1

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED:	APPROVAL RECOMMENDED:	APPROVED:
ENGINEER	PRINCIPAL ENGINEER	LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY: J.O.	TO ACCOMPANY:	FILE NO.



PROPOSED DEVELOPMENT

48 UNION VILLAGE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

OMPOMPANOOSUC RIVER, VT.

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

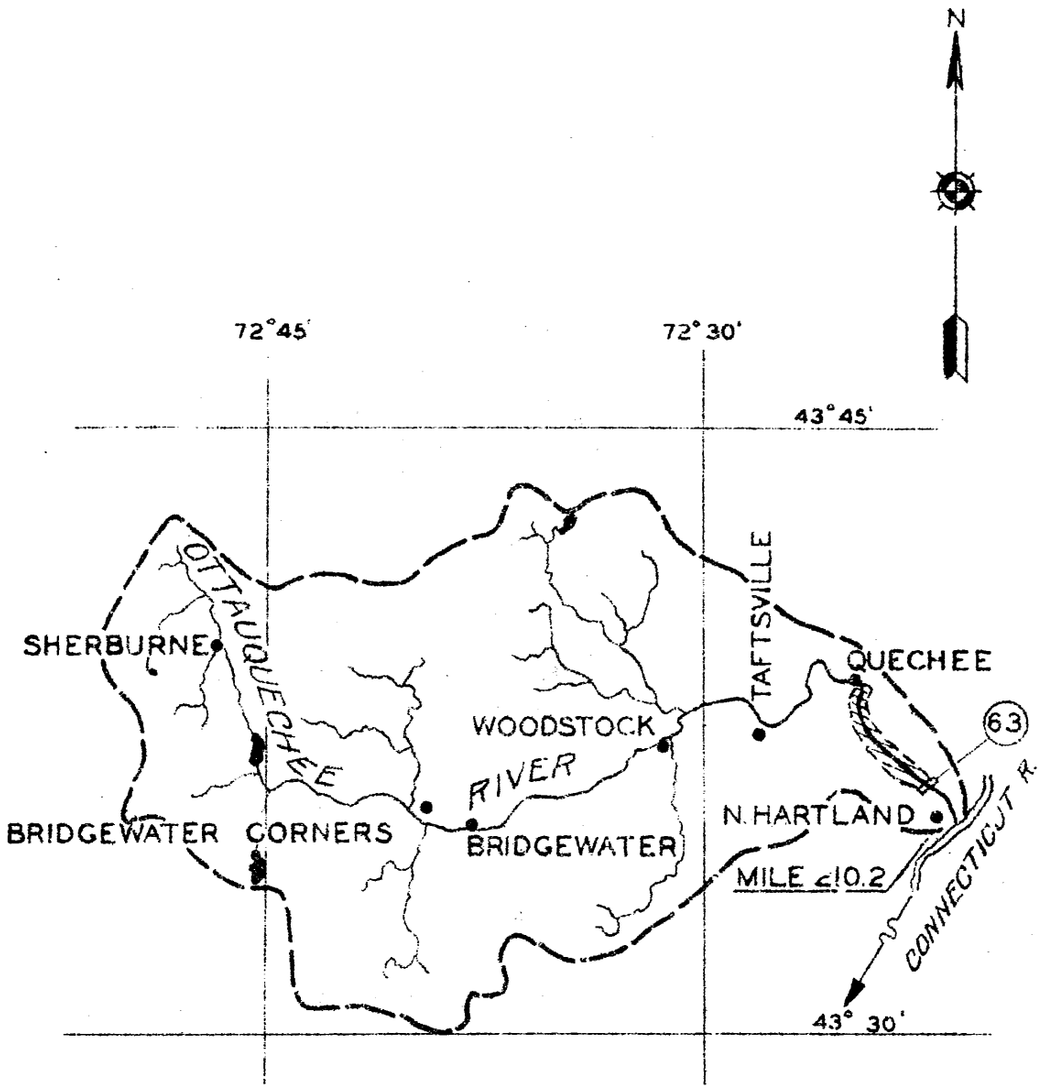
SCALE

5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

48 DAM IDENTIFICATION NUMBER



PROPOSED DEVELOPMENT

63 NORTH HARTLAND

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

OTTAUQUECHEE RIVER, VT.

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

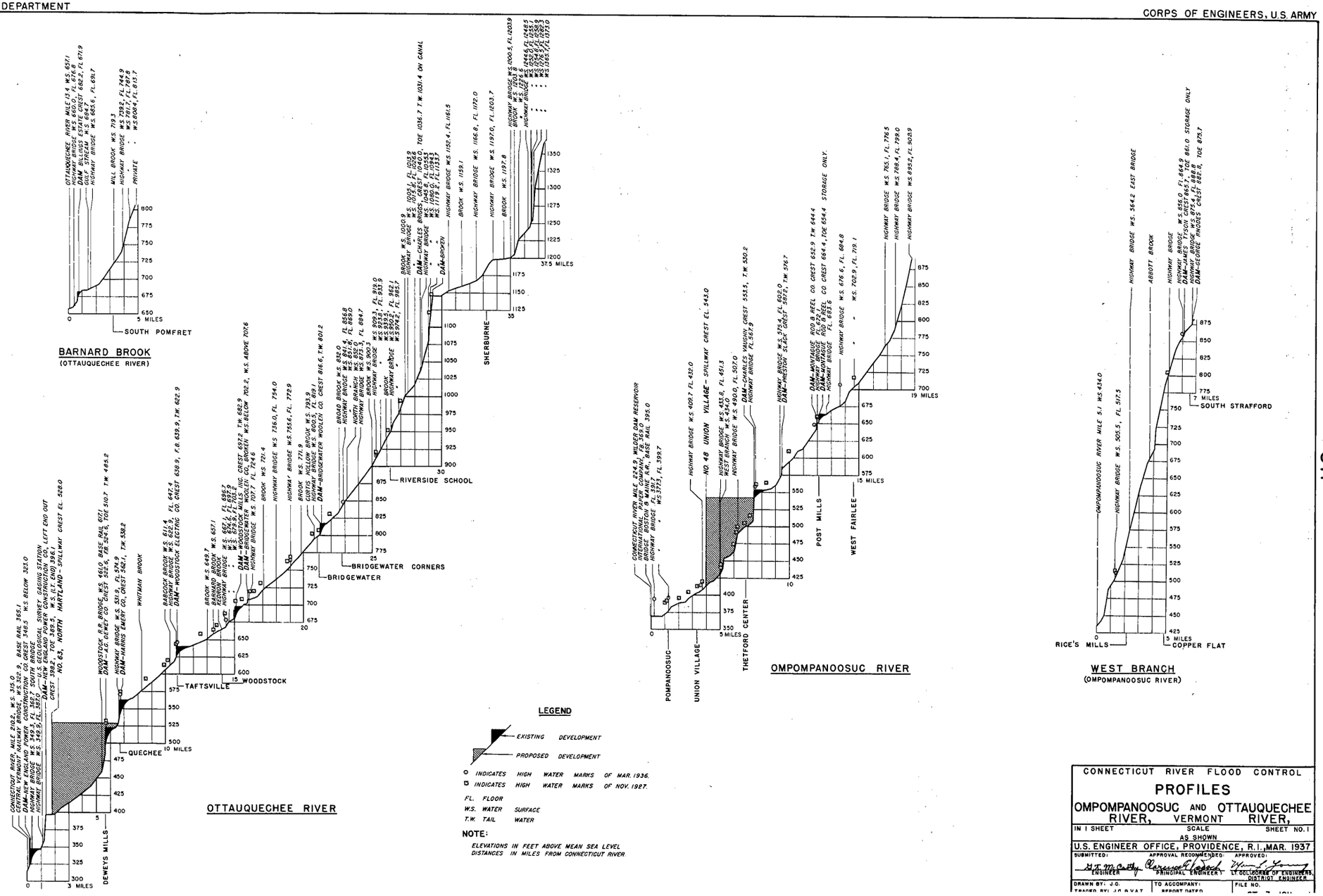
SCALE

5 0 5 10 MI.

LEGEND

←PROPOSED DEVELOPMENT

63 ←DAM IDENTIFICATION NUMBER



CONNECTICUT RIVER FLOOD CONTROL

PROFILES

OMPOMPANOOSUC AND OTTAUQUECHEE RIVER, VERMONT RIVER,

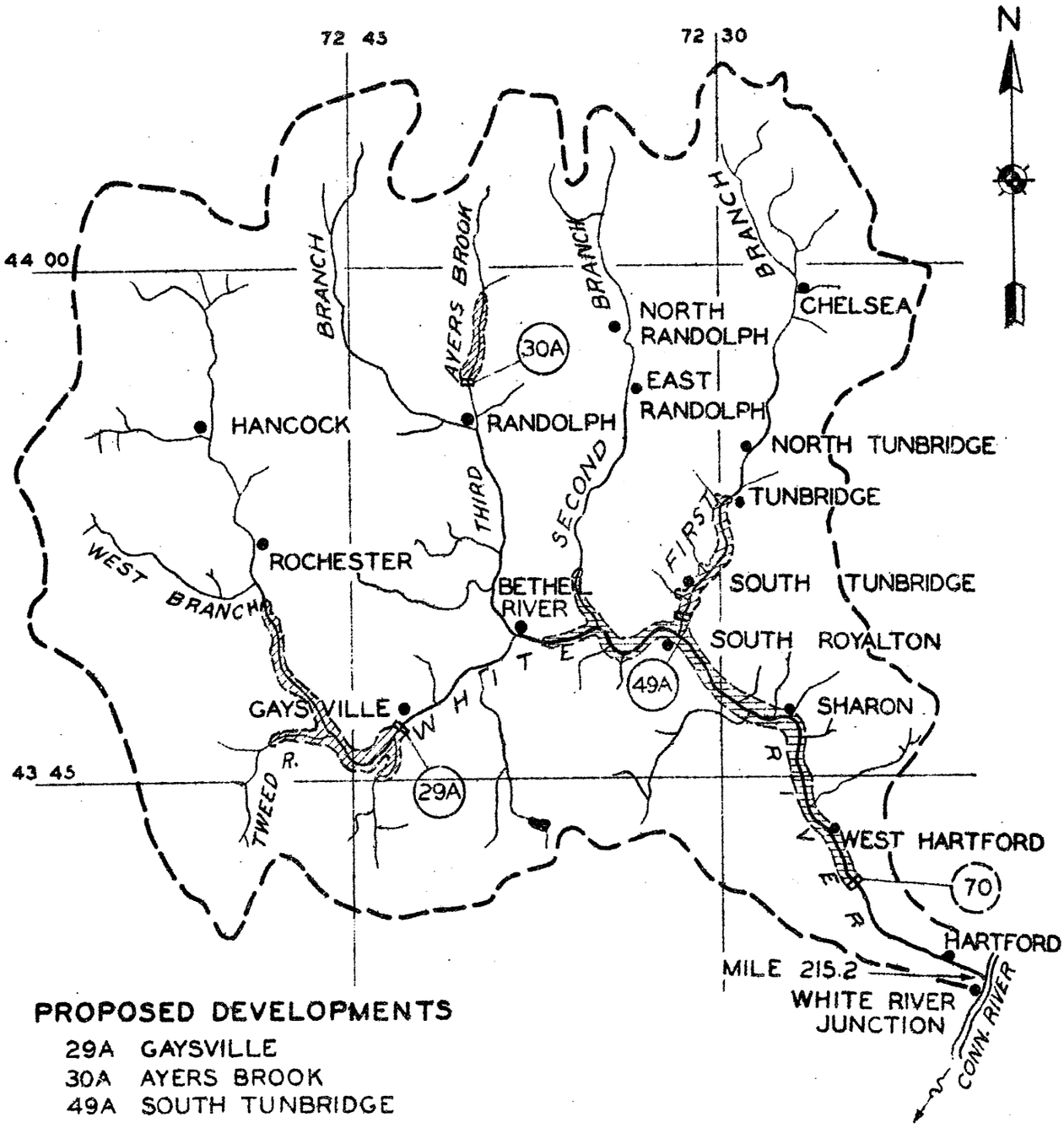
IN 1 SHEET	SCALE	SHEET NO. 1
	AS SHOWN	

U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: APPROVAL RECOMMENDED: APPROVED:

ENGINEER — PRINCIPAL ENGINEER — LT COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY: J.O. TRACED BY: J.C. & V.A.T. | TO ACCOMPANY: REPORT DATED | FILE NO.



PROPOSED DEVELOPMENTS

29A GAYSVILLE
30A AYERS BROOK
49A SOUTH TUNBRIDGE

ALTERNATE DEVELOPMENTS

70 CENTERVILLE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

WHITE RIVER, VERMONT

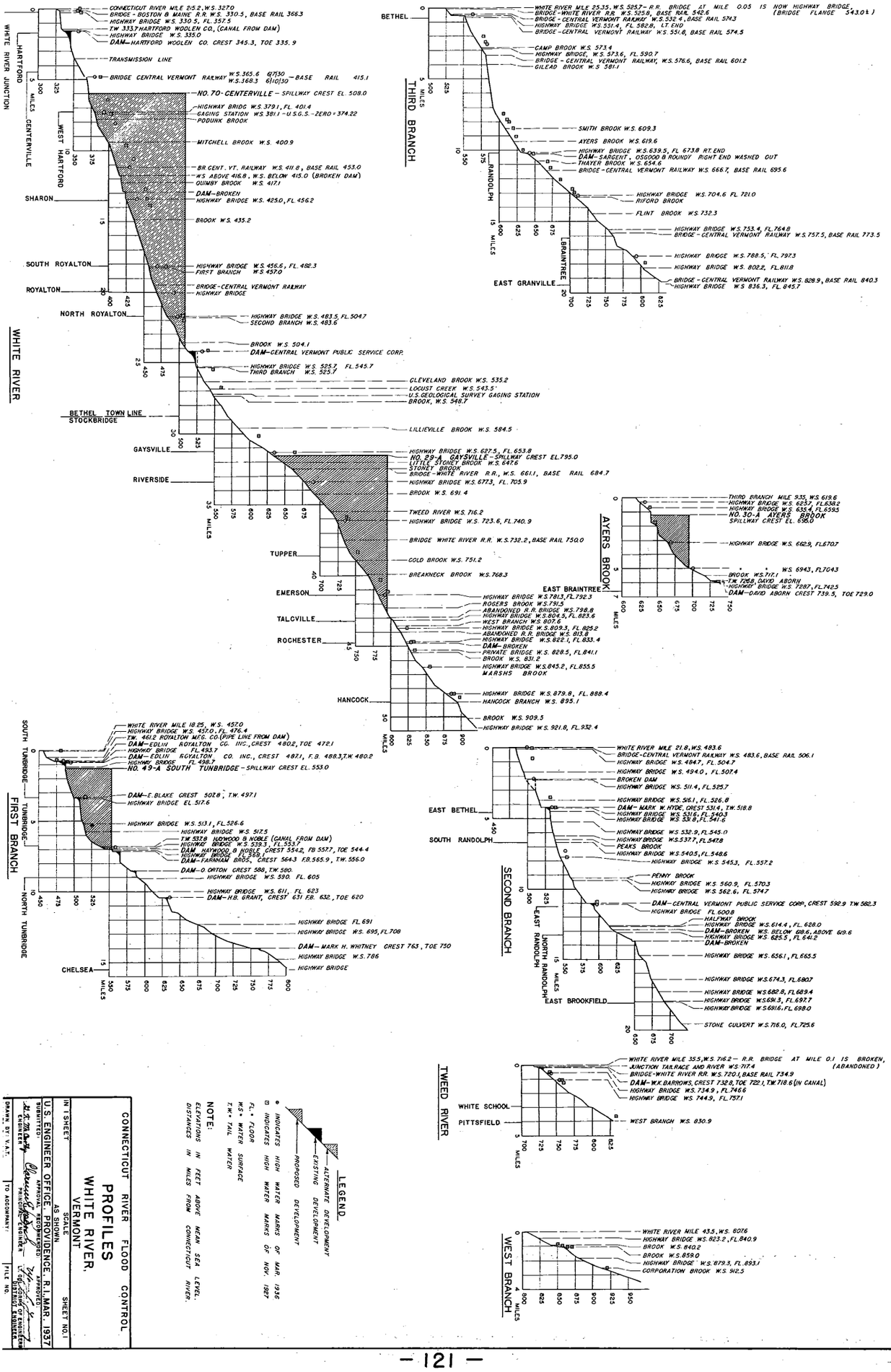
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.
SCALE

5 0 5 10MI.

LEGEND

PROPOSED DEVELOPMENT

29A DAM IDENTIFICATION NUMBER



CONNECTICUT RIVER FLOOD CONTROL

PROFILES
WHITE RIVER, VERMONT

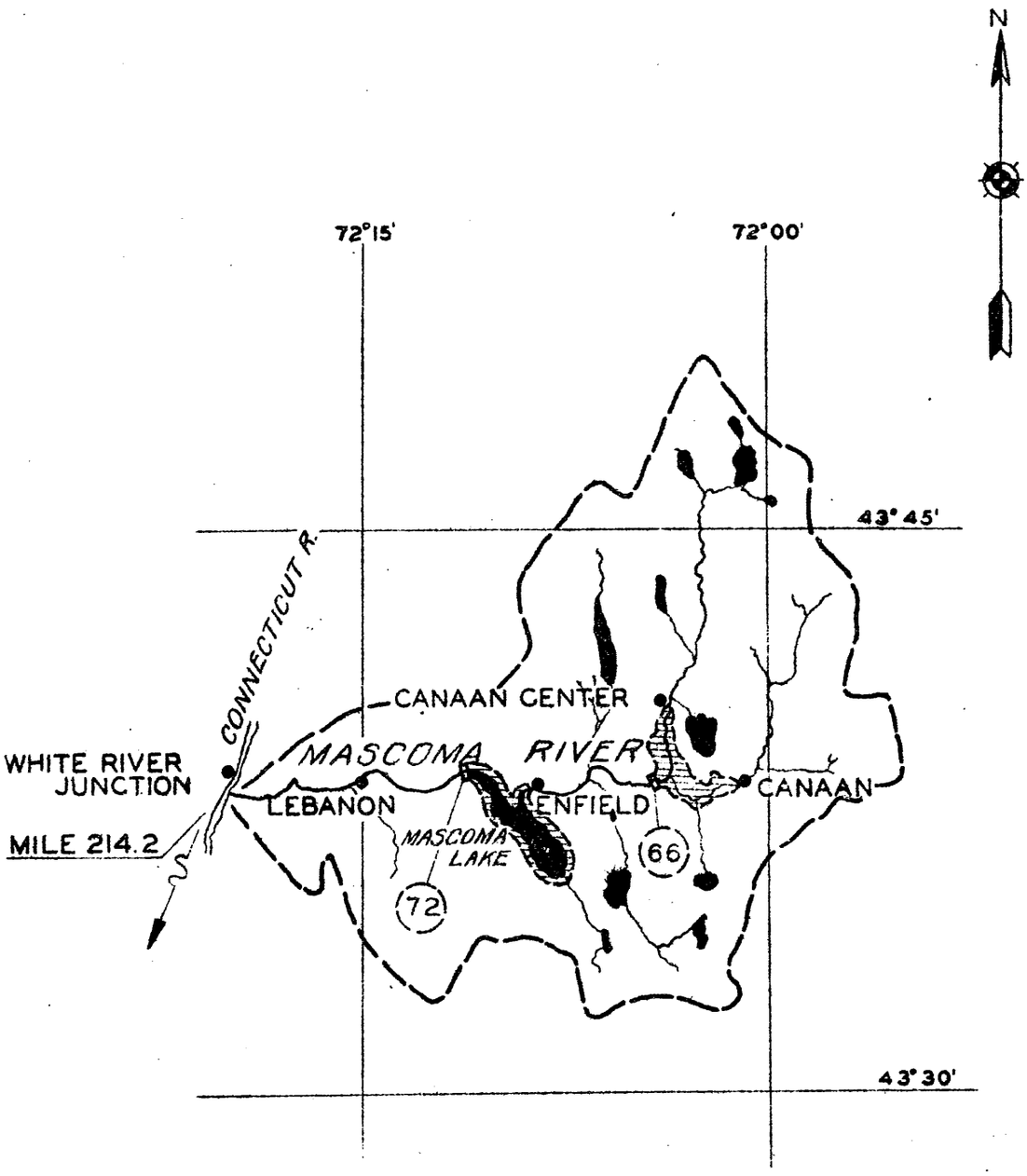
IN 1 SHEET — SCALE: AS SHOWN — SHEET NO. 1

U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937

SUBMITTED: APPROVAL RECOMMENDED: APPROVED:

ENGINEER — PRINCIPAL ENGINEER — COLONEL, CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY: V.A.T. — TO ACCOMPANY — FILE NO.



ALTERNATE DEVELOPMENT
72 MASCOMA LAKE
66 WEST CANAAN

LEGEND
PROPOSED DEVELOPMENT
(72) DAM IDENTIFICATION NUMBER

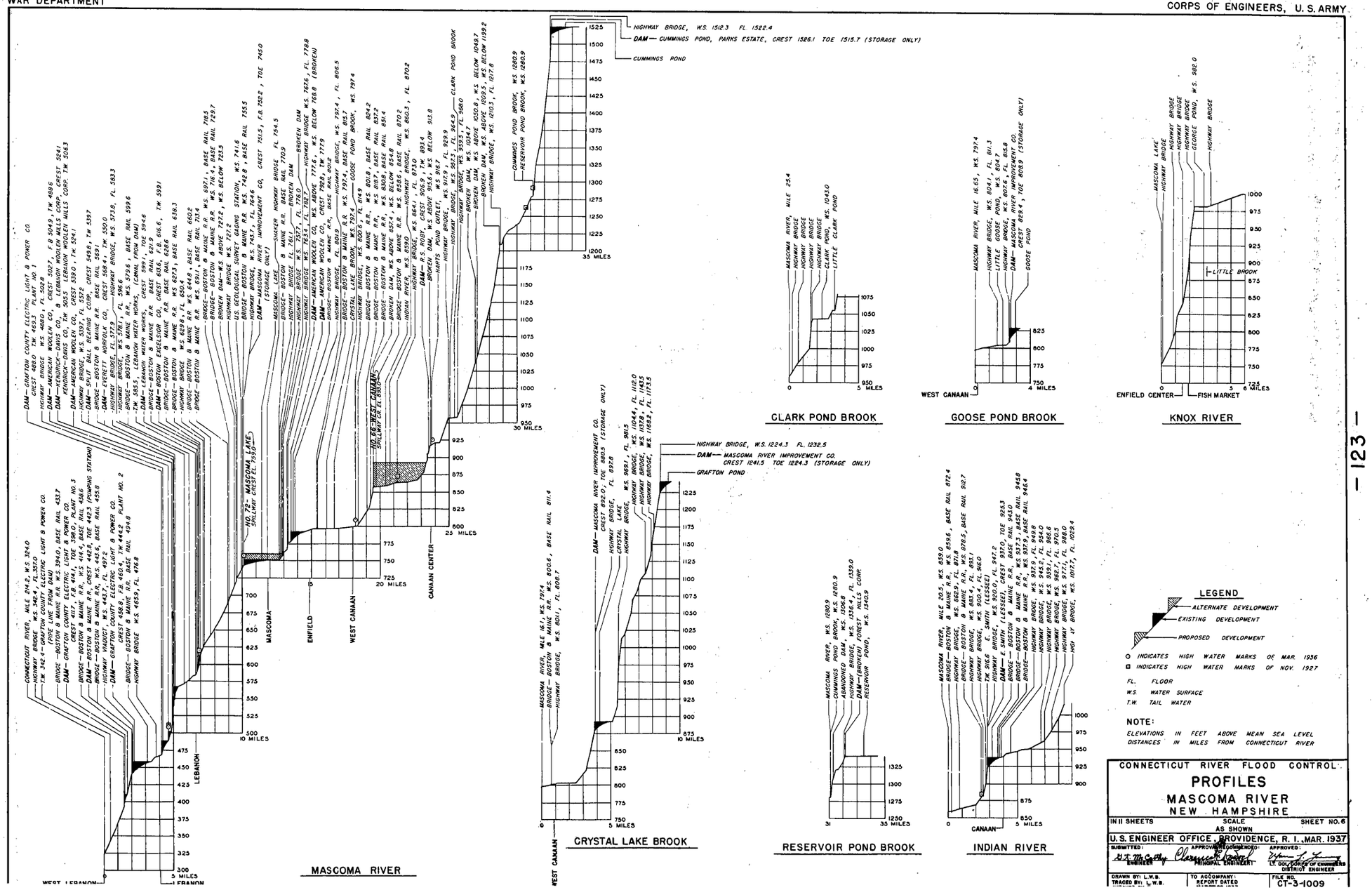
CONNECTICUT RIVER FLOOD CONTROL

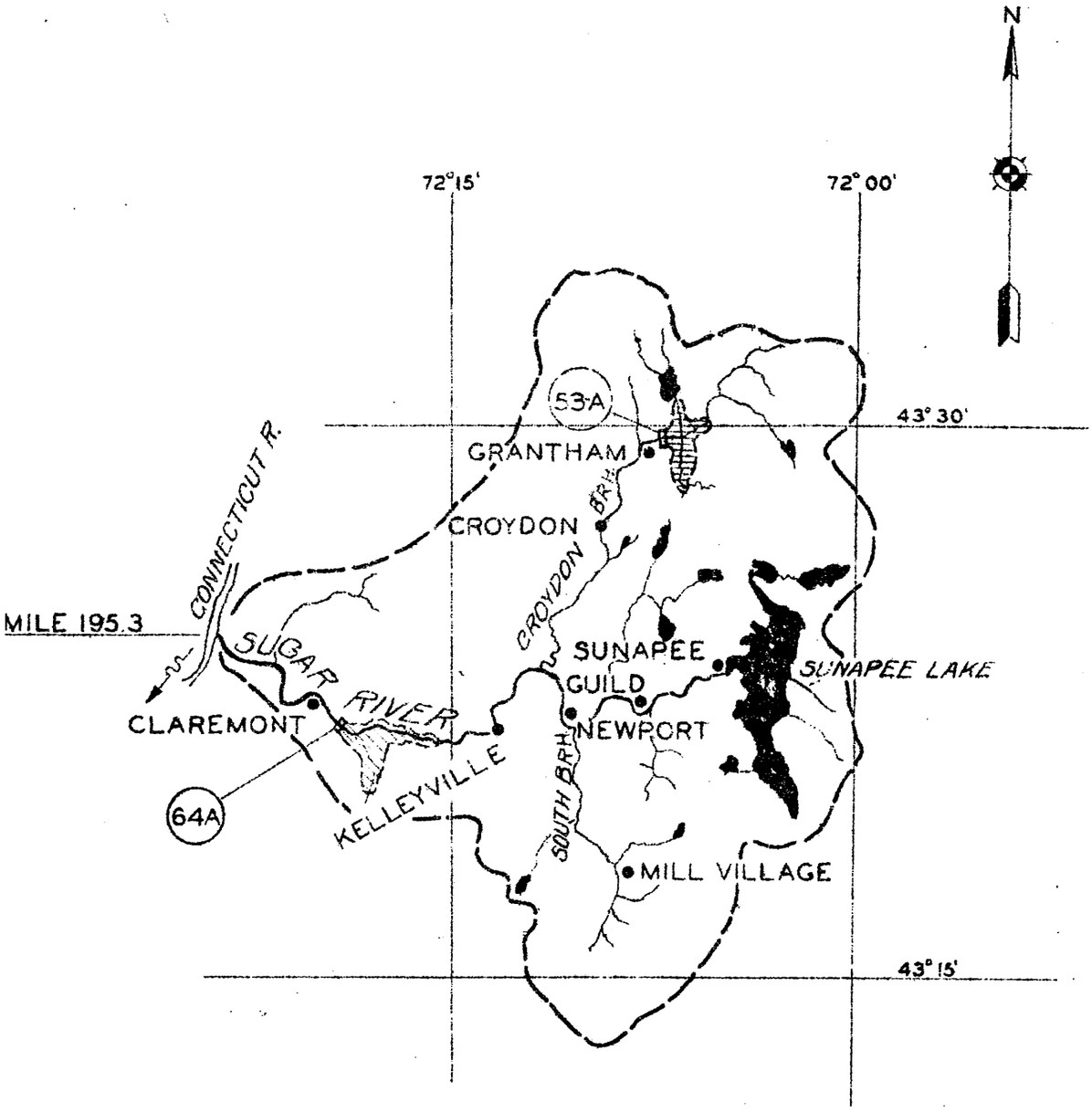
MAP OF WATERSHED

MASCOMA RIVER, N.H.

U.S. ENGINEER OFFICE
PROVIDENCE, R.I.

SCALE
5 0 5 10 MI.


MASCOMA RIVER
CRYSTAL LAKE BROOK
RESERVOIR POND BROOK
INDIAN RIVER
CLARK POND BROOK
GOOSE POND BROOK
KNOX RIVER
LEGEND
ALTERNATE DEVELOPMENT
EXISTING DEVELOPMENT
PROPOSED DEVELOPMENT
INDICATES HIGH WATER MARKS OF MAR. 1936
INDICATES HIGH WATER MARKS OF NOV. 1927
FL. FLOOR
W.S. WATER SURFACE
T.W. TAIL WATER
NOTE:
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
DISTANCES IN MILES FROM CONNECTICUT RIVER
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
MASCOMA RIVER
NEW HAMPSHIRE
IN 11 SHEETS
SCALE AS SHOWN
SHEET NO. 6
U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937
SUBMITTED:
APPROVED AND RECOMMENDED:
APPROVED:
ENGINEER
PRINCIPAL ENGINEER
LT. COL., CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY: L.W.B.
TRACED BY: L.W.B.
TO ACCOMPANY: REPORT DATED
FILE NO. CT-3-1009



PROPOSED DEVELOPMENT

64A CLAREMONT

ALTERNATE DEVELOPMENT

53-A STOCKER POND

LEGEND

PROPOSED DEVELOPMENT

64A DAM IDENTIFICATION NUMBER

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

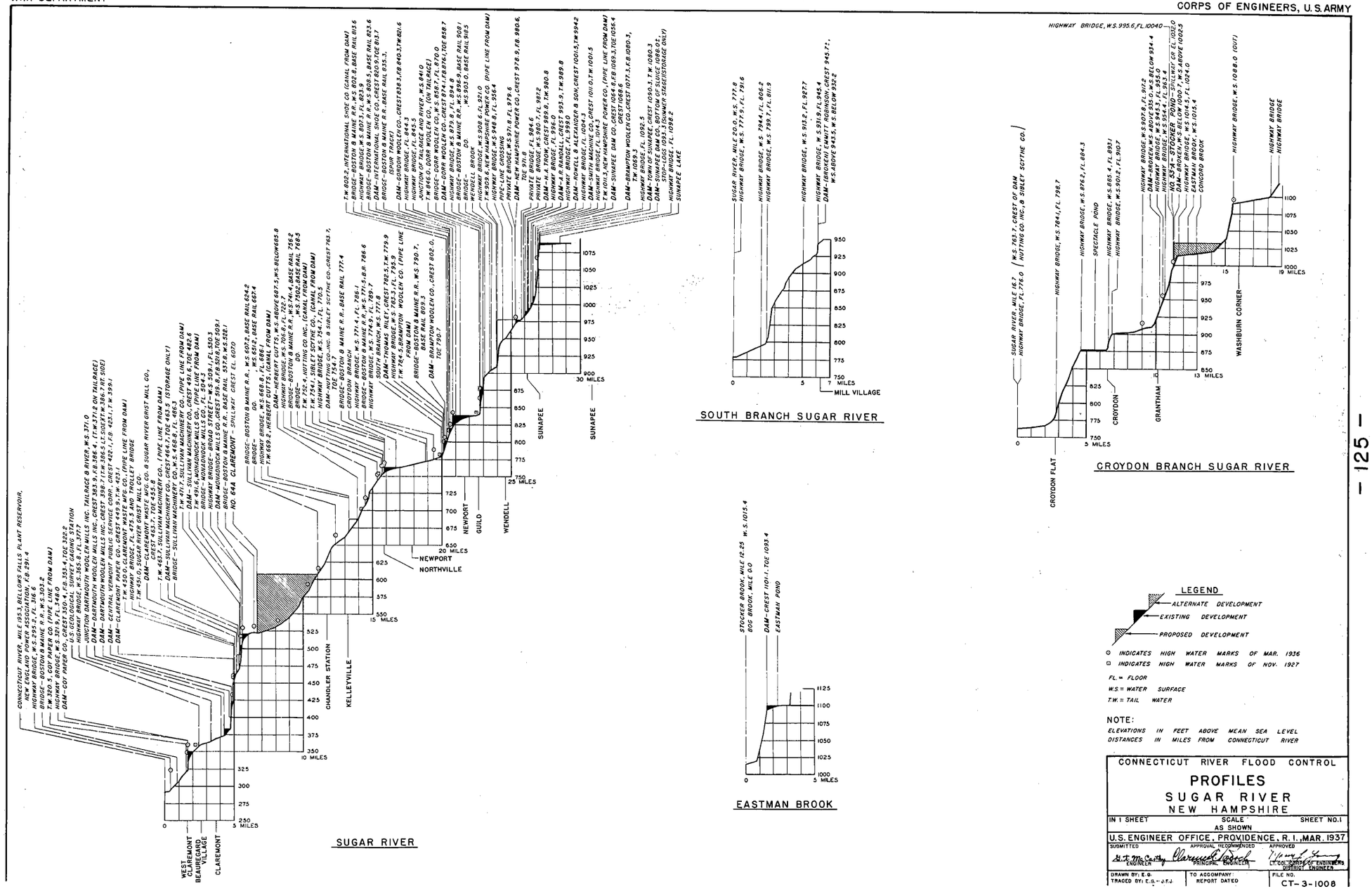
SUGAR RIVER, N.H.

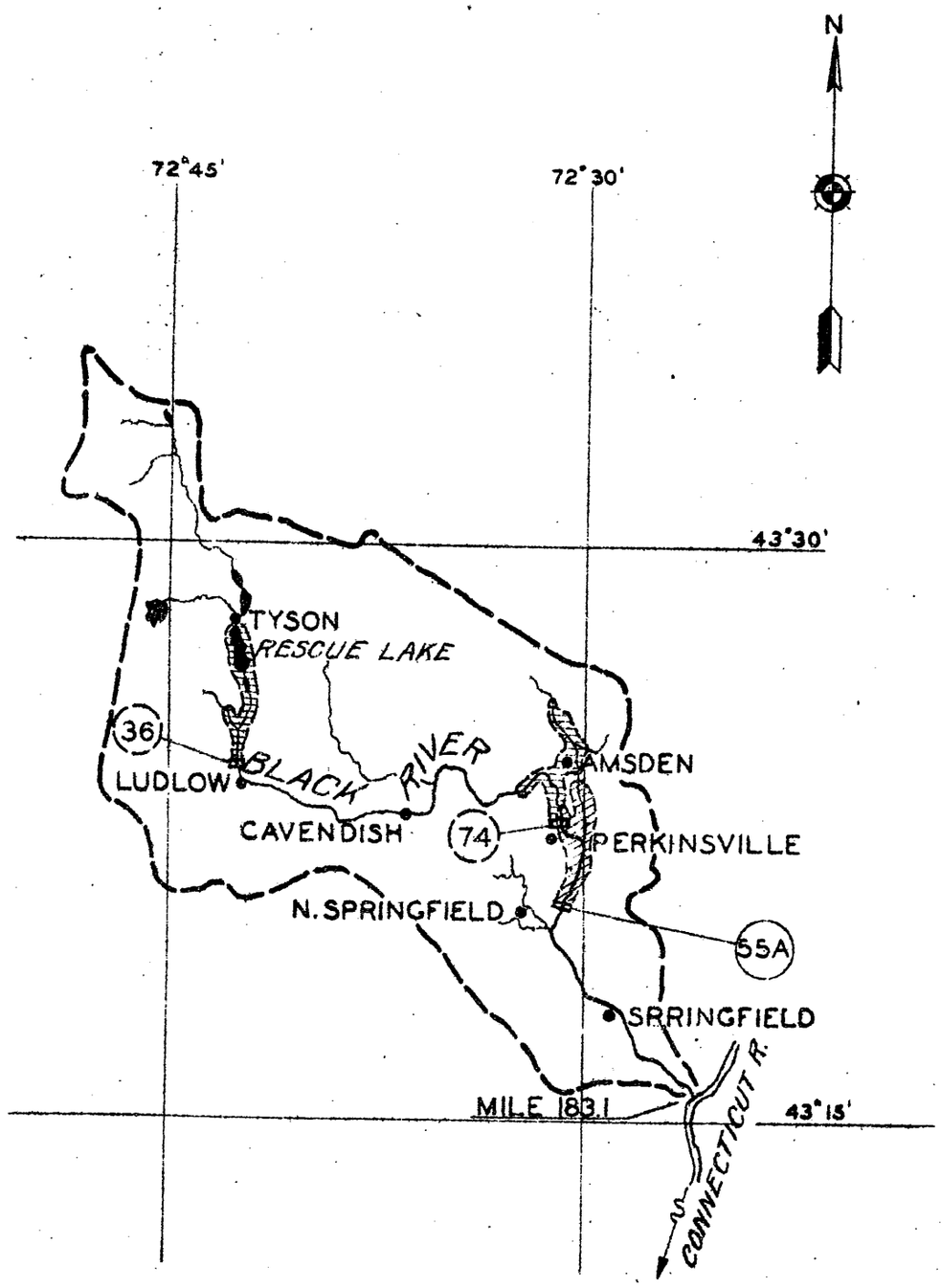
U. S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

5 0 5 10 MI


SUGAR RIVER
SOUTH BRANCH SUGAR RIVER
CROYDON BRANCH SUGAR RIVER
EASTMAN BROOK
WEST CLAREMONT
BEAUREGARD VILLAGE
CLAREMONT
CHANDLER STATION
KELLEYVILLE
NEWPORT
NORTHVILLE
GUILD
WENDELL
SUNAPEE
MILL VILLAGE
CROYDON FLAT
CROYDON
GRANTHAM
WASHBURN CORNER
LEGEND
ALTERNATE DEVELOPMENT
EXISTING DEVELOPMENT
PROPOSED DEVELOPMENT
INDICATES HIGH WATER MARKS OF MAR. 1936
INDICATES HIGH WATER MARKS OF NOV. 1927
FL. = FLOOR
W.S. = WATER SURFACE
T.W. = TAIL WATER
NOTE:
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
DISTANCES IN MILES FROM CONNECTICUT RIVER
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
SUGAR RIVER
NEW HAMPSHIRE
IN 1 SHEET
SCALE: AS SHOWN
SHEET NO. 1
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED
APPROVAL RECOMMENDED
APPROVED
ENGINEER
PRINCIPAL ENGINEER
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY: E.G.
TRACED BY: E.G. - J.F.J.
TO ACCOMPANY REPORT DATED
FILE NO. CT-3-1008



PROPOSED DEVELOPMENT

55A N. SPRINGFIELD

ALTERNATE DEVELOPMENTS

36 LUDLOW
74 PERKINSVILLE

LEGEND

PROPOSED DEVELOPMENT

55A DAM IDENTIFICATION NUMBER

CONNECTICUT RIVER FLOOD CONTROL

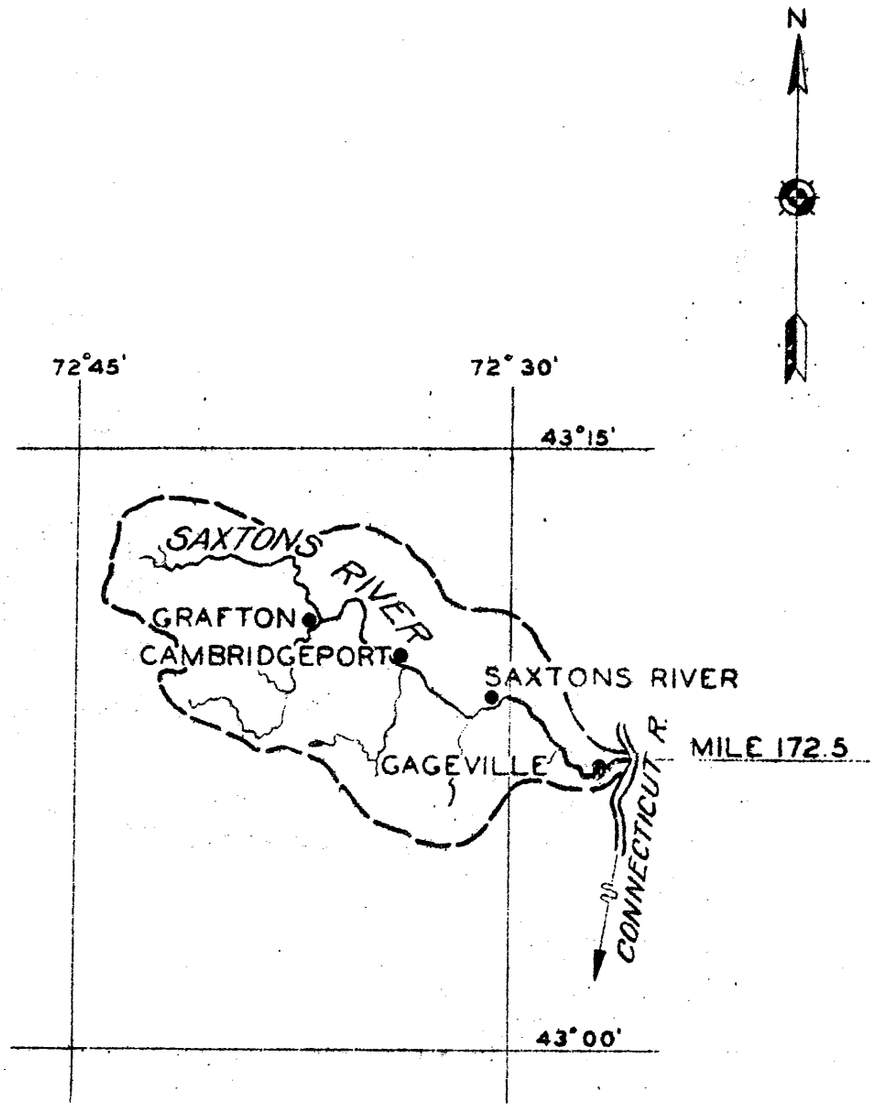
MAP OF WATERSHED

BLACK RIVER, VERMONT

U.S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE

5 0 5 10 MI.



CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

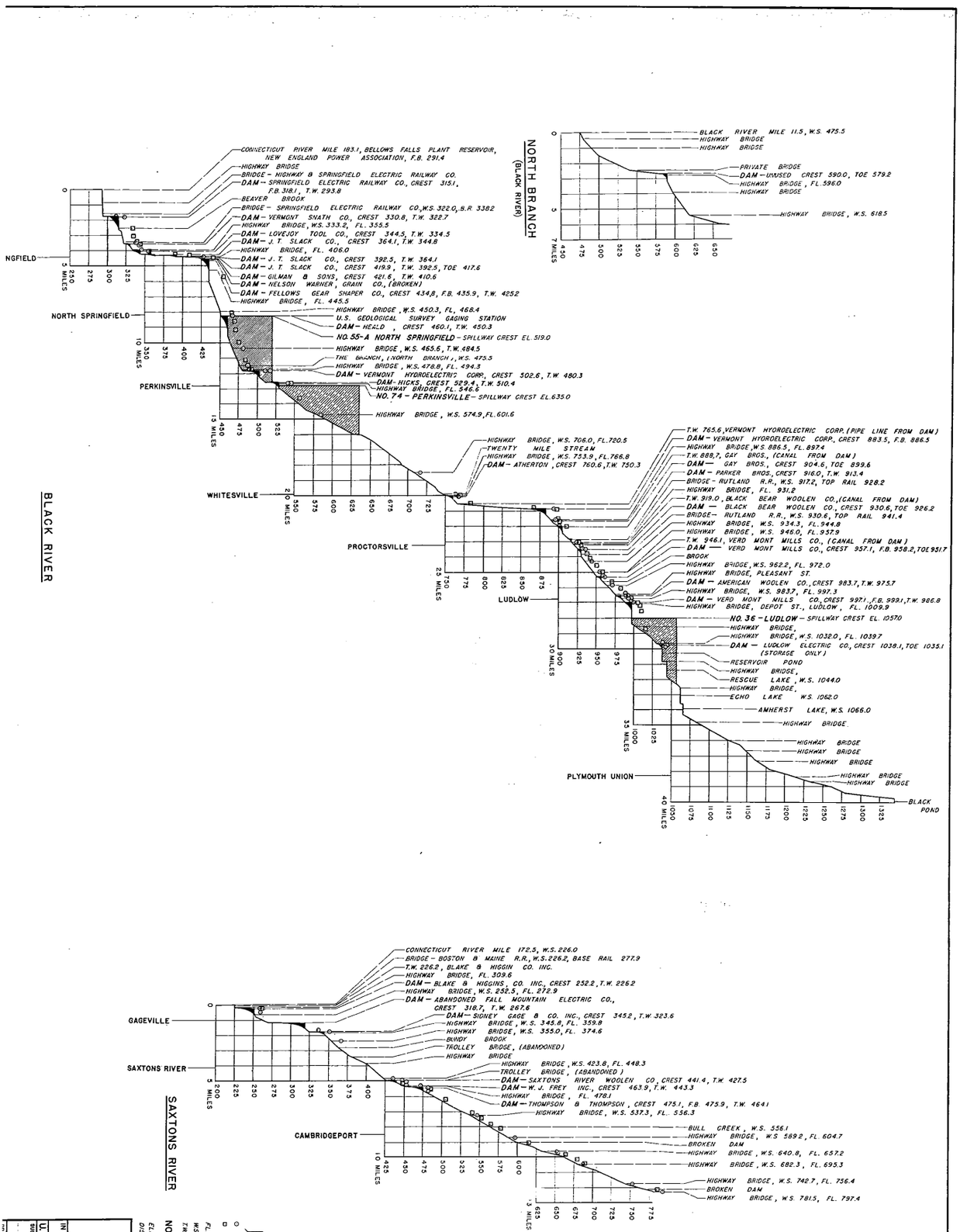
SAXTONS RIVER, VERMONT

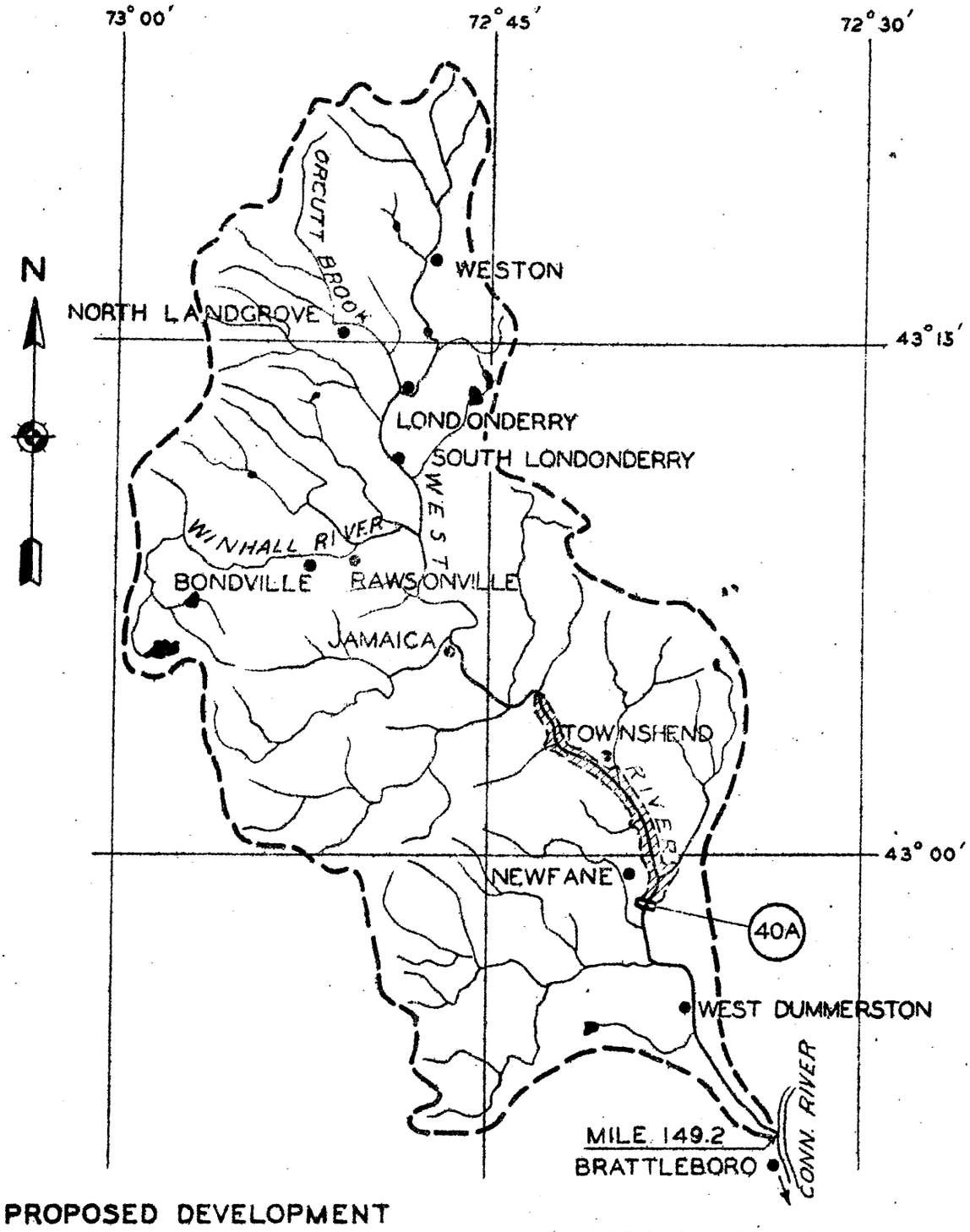
U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

5 0 5 10 MI.


BLACK RIVER
NORTH BRANCH (BLACK RIVER)
BLACK RIVER MILE 11.5, W.S. 475.5
HIGHWAY BRIDGE
HIGHWAY BRIDGE
PRIVATE BRIDGE
DAM - UNUSED CREST 590.0, TOE 579.2
HIGHWAY BRIDGE, FL. 596.0
HIGHWAY BRIDGE
HIGHWAY BRIDGE, W.S. 618.5
CONNECTICUT RIVER MILE 183.1, BELLOWS FALLS PLANT RESERVOIR, NEW ENGLAND POWER ASSOCIATION, F.B. 291.4
HIGHWAY BRIDGE
BRIDGE - HIGHWAY & SPRINGFIELD ELECTRIC RAILWAY CO.
DAM - SPRINGFIELD ELECTRIC RAILWAY CO., CREST 315.1, F.B. 318.1, T.W. 293.8
BEAVER BROOK
BRIDGE - SPRINGFIELD ELECTRIC RAILWAY CO., W.S. 322.0, B.R. 338.2
DAM - VERMONT SNATH CO., CREST 330.8, T.W. 322.7
HIGHWAY BRIDGE, W.S. 333.2, FL. 355.5
DAM - LOVEJOY TOOL CO., CREST 344.5, T.W. 334.5
DAM - J. T. SLACK CO., CREST 364.1, T.W. 344.8
HIGHWAY BRIDGE, FL. 406.0
DAM - J. T. SLACK CO., CREST 392.5, T.W. 364.1
DAM - J. T. SLACK CO., CREST 419.9, T.W. 392.5, TOE 417.6
DAM - GILMAN & SONS, CREST 421.6, T.W. 410.6
DAM - NELSON WARNER, GRAIN CO., (BROKEN)
DAM - FELLOWS GEAR SHAPER CO., CREST 434.8, F.B. 435.9, T.W. 425.2
HIGHWAY BRIDGE, FL. 445.5
NGFIELD
NORTH SPRINGFIELD
HIGHWAY BRIDGE, W.S. 450.3, FL. 468.4
U.S. GEOLOGICAL SURVEY GAGING STATION
DAM - HEALD, CREST 460.1, T.W. 450.3
NO. 55-A NORTH SPRINGFIELD - SPILLWAY CREST EL. 519.0
HIGHWAY BRIDGE, W.S. 465.6, T.W. 484.5
THE BRANCH, (NORTH BRANCH), W.S. 475.5
HIGHWAY BRIDGE, W.S. 478.8, FL. 494.3
DAM - VERMONT HYDROELECTRIC CORP., CREST 502.6, T.W. 480.3
DAM - HICKS, CREST 529.4, T.W. 510.4
HIGHWAY BRIDGE, FL. 546.6
PERKINSVILLE
NO. 74 - PERKINSVILLE - SPILLWAY CREST EL. 635.0
HIGHWAY BRIDGE, W.S. 574.9, FL. 601.6
HIGHWAY BRIDGE, W.S. 706.0, FL. 720.5
TWENTY MILE STREAM
HIGHWAY BRIDGE, W.S. 753.9, FL. 766.8
DAM - ATHERTON, CREST 760.6, T.W. 750.3
WHITESVILLE
T.W. 765.6, VERMONT HYDROELECTRIC CORP. (PIPE LINE FROM DAM)
DAM - VERMONT HYDROELECTRIC CORP., CREST 883.5, F.B. 886.5
HIGHWAY BRIDGE, W.S. 886.5, FL. 897.4
T.W. 888.7, GAY BROS., (CANAL FROM DAM)
DAM - GAY BROS., CREST 904.6, TOE 899.6
DAM - PARKER BROS., CREST 916.0, T.W. 913.4
BRIDGE - RUTLAND R.R., W.S. 917.2, TOP RAIL 928.2
HIGHWAY BRIDGE, FL. 931.2
T.W. 919.0, BLACK BEAR WOOLEN CO., (CANAL FROM DAM)
DAM - BLACK BEAR WOOLEN CO., CREST 930.6, TOE 926.2
BRIDGE - RUTLAND R.R., W.S. 930.6, TOP RAIL 941.4
HIGHWAY BRIDGE, W.S. 934.3, FL. 944.8
HIGHWAY BRIDGE, W.S. 946.0, FL. 957.9
T.W. 946.1, VERD MONT MILLS CO., (CANAL FROM DAM)
DAM - VERD MONT MILLS CO., CREST 957.1, F.B. 958.2, TOE 951.7
BROOK
HIGHWAY BRIDGE, W.S. 962.2, FL. 972.0
HIGHWAY BRIDGE, PLEASANT ST.
DAM - AMERICAN WOOLEN CO., CREST 983.7, T.W. 975.7
HIGHWAY BRIDGE, W.S. 983.7, FL. 997.3
DAM - VERD MONT MILLS CO., CREST 997.1, F.B. 999.1, T.W. 986.8
HIGHWAY BRIDGE, DEPOT ST., LUDLOW, FL. 1009.9
PROCTORSVILLE
LUDLOW
NO. 36 - LUDLOW - SPILLWAY CREST EL. 1057.0
HIGHWAY BRIDGE,
HIGHWAY BRIDGE, W.S. 1032.0, FL. 1039.7
DAM - LUDLOW ELECTRIC CO., CREST 1038.1, TOE 1035.1 (STORAGE ONLY)
RESERVOIR POND
HIGHWAY BRIDGE,
RESCUE LAKE, W.S. 1044.0
HIGHWAY BRIDGE.
ECHO LAKE W.S. 1062.0
AMHERST LAKE, W.S. 1066.0
HIGHWAY BRIDGE.
HIGHWAY BRIDGE
HIGHWAY BRIDGE
HIGHWAY BRIDGE
HIGHWAY BRIDGE
HIGHWAY BRIDGE
PLYMOUTH UNION
BLACK POND
CONNECTICUT RIVER MILE 172.5, W.S. 226.0
BRIDGE - BOSTON & MAINE R.R., W.S. 226.2, BASE RAIL 277.9
T.W. 226.2, BLAKE & HIGGIN CO. INC.
HIGHWAY BRIDGE, FL. 309.6
DAM - BLAKE & HIGGINS, CO. INC., CREST 252.2, T.W. 226.2
HIGHWAY BRIDGE, W.S. 252.5, FL. 272.9
DAM - ABANDONED FALL MOUNTAIN ELECTRIC CO., CREST 318.7, T.W. 267.6
GAGEVILLE
DAM - SIGNEY GAGE & CO. INC., CREST 345.2, T.W. 323.6
HIGHWAY BRIDGE, W.S. 345.8, FL. 359.8
HIGHWAY BRIDGE, W.S. 355.0, FL. 374.6
BUNDY BROOK
TROLLEY BRIDGE, (ABANDONED)
HIGHWAY BRIDGE
SAXTONS RIVER
HIGHWAY BRIDGE, W.S. 423.8, FL. 448.3
TROLLEY BRIDGE, (ABANDONED)
DAM - SAXTONS RIVER WOOLEN CO., CREST 441.4, T.W. 427.5
DAM - W. J. FREY INC., CREST 463.9, T.W. 443.3
HIGHWAY BRIDGE, FL. 478.1
DAM - THOMPSON & THOMPSON, CREST 475.1, F.B. 475.9, T.W. 464.1
HIGHWAY BRIDGE, W.S. 537.3, FL. 556.3
CAMBRIDGEPORT
BULL CREEK, W.S. 556.1
HIGHWAY BRIDGE, W.S. 589.2, FL. 604.7
BROKEN DAM
HIGHWAY BRIDGE, W.S. 640.8, FL. 657.2
HIGHWAY BRIDGE, W.S. 682.3, FL. 695.3
HIGHWAY BRIDGE, W.S. 742.7, FL. 756.4
BROKEN DAM
HIGHWAY BRIDGE, W.S. 781.5, FL. 797.4
SAXTONS RIVER
LEGEND
ALTERNATE DEVELOPMENT
EXISTING DEVELOPMENT
PROPOSED DEVELOPMENT
INDICATES HIGH WATER MARKS OF MAR. 1936
INDICATES HIGH WATER MARKS OF NOV. 1927
FL FLOOR
W.S. WATER SURFACE
T.W. TAIL WATER
NOTE:
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
DISTANCES IN MILES FROM CONNECTICUT RIVER.
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
BLACK RIVER AND SAXTONS RIVER
VERMONT
SCALE AS SHOWN
SHEET NO. 1
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937
SUBMITTED
APPROVAL RECOMMENDED
PRINCIPAL ENGINEER
APPROVED
COLONEL, CORPS OF ENGINEERS
DISTRICT ENGINEER



PROPOSED DEVELOPMENT
40A NEWFANE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

WEST RIVER, VERMONT

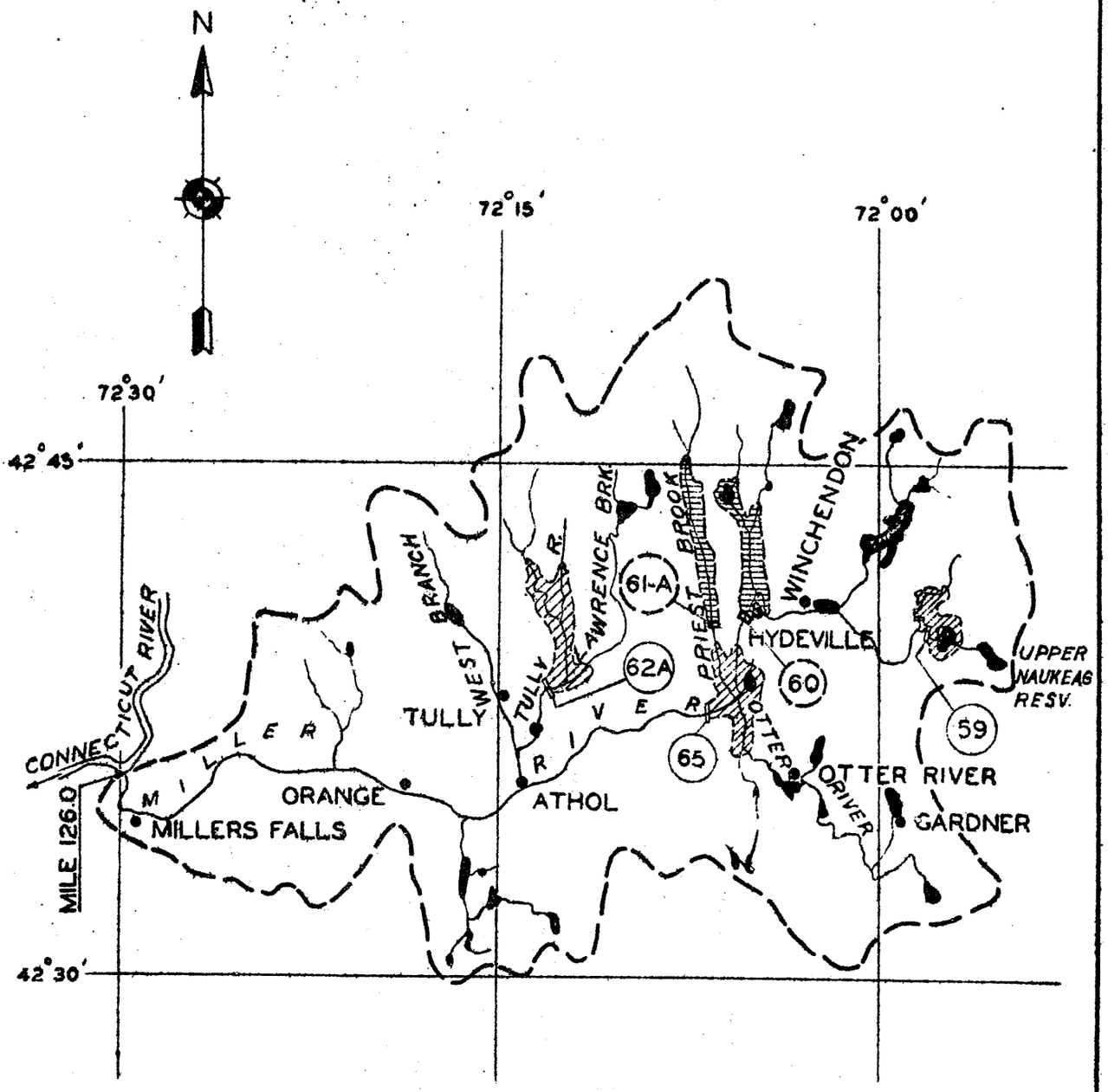
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE
5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

40A DAM IDENTIFICATION NUMBER



PROPOSED DEVELOPMENTS

65 BIRCH HILL
59 LOWER NAUKEAG
62A TULLY

ALTERNATE DEVELOPMENTS

61-A PRIEST POND
60 HYDEVILLE

LEGEND

—PROPOSED DEVELOPMENT

(65)—DAM IDENTIFICATION NUMBER

CONNECTICUT RIVER FLOOD CONTROL

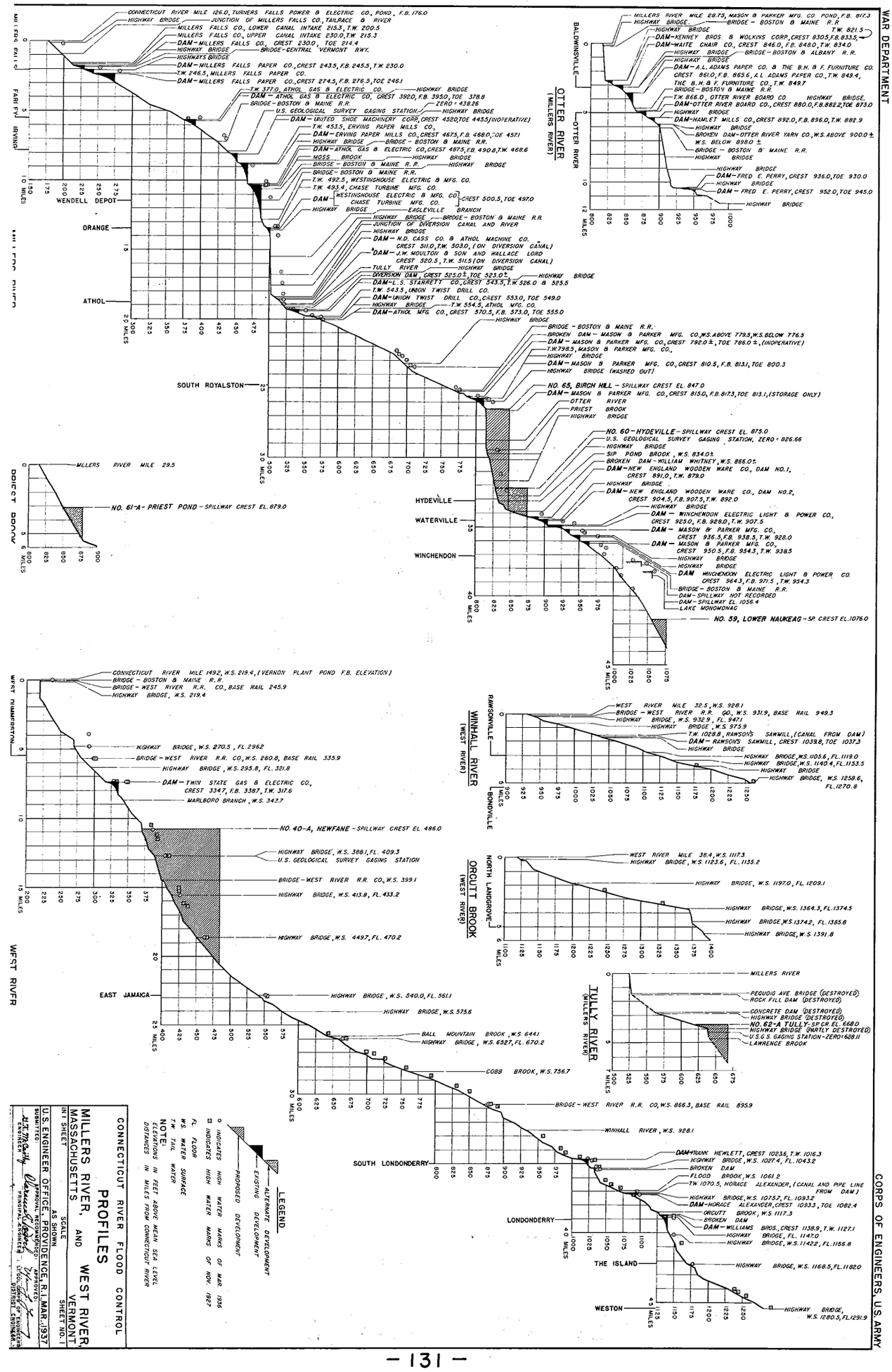
MAP OF WATERSHED

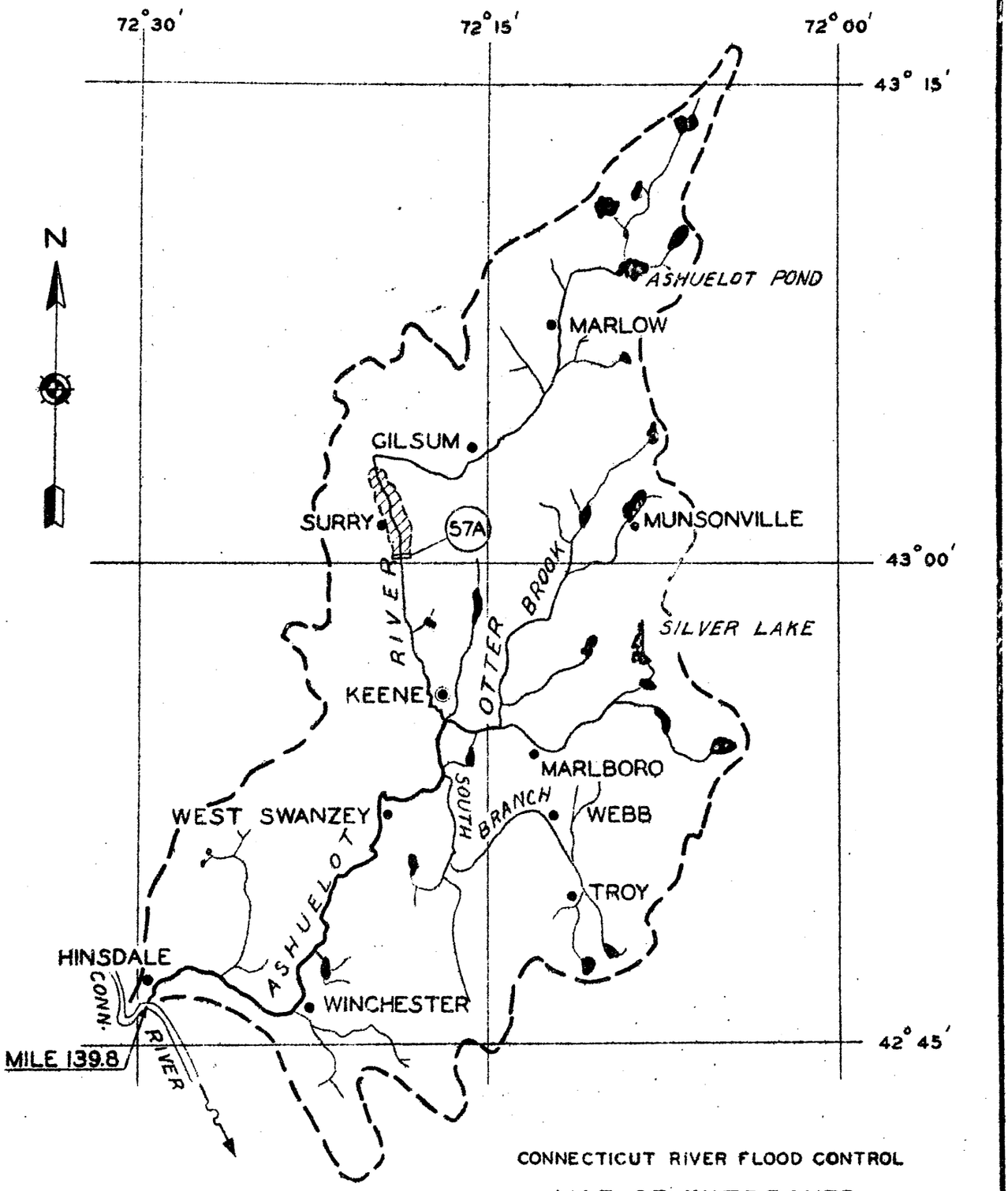
MILLERS RIVER, MASS.

U. S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE

5 0 5 10 MI.

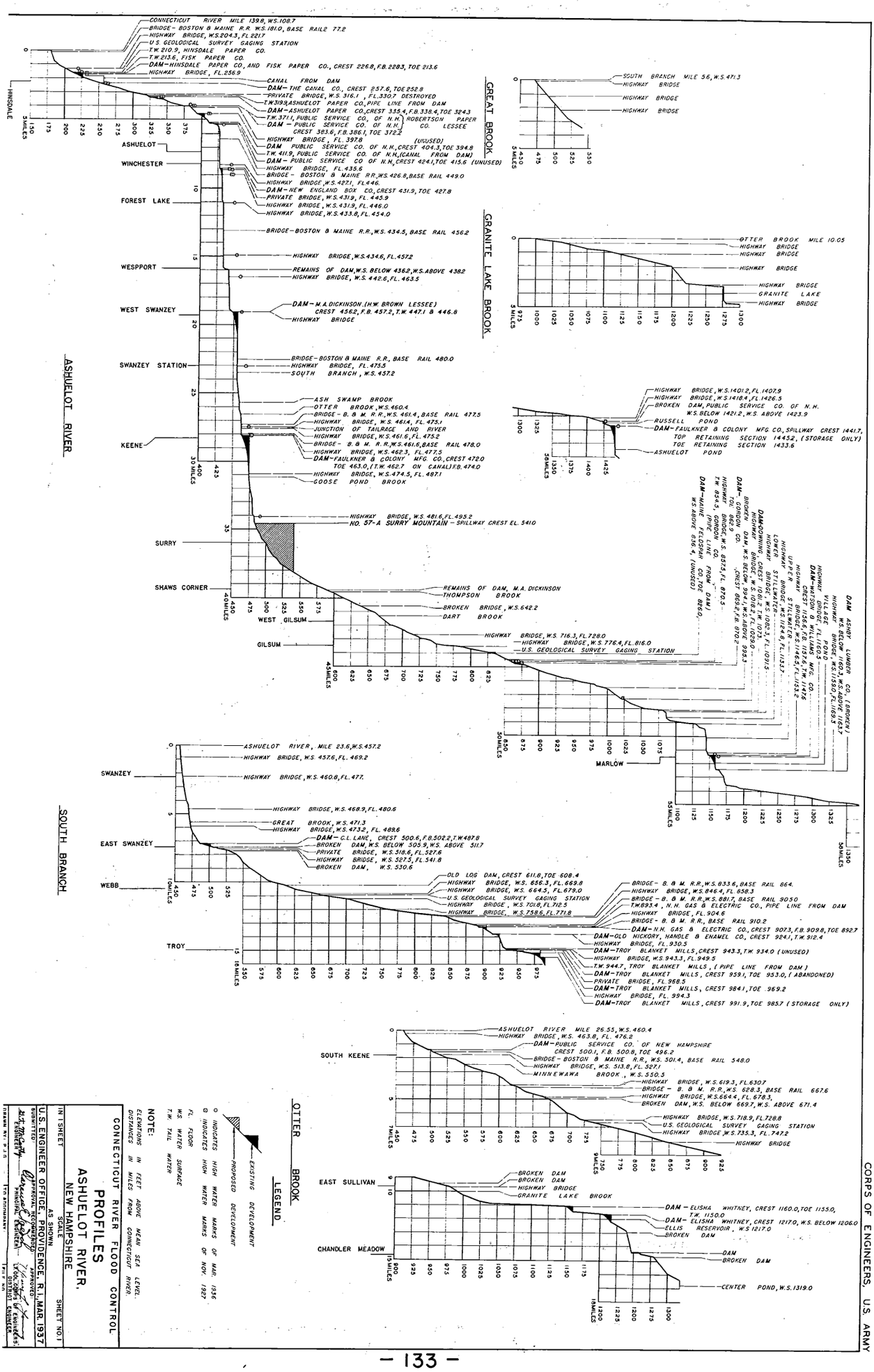

WAR DEPARTMENT
CORPS OF ENGINEERS, U.S. ARMY
OTTER RIVER (MILLERS RIVER)
WINHALL RIVER (WEST RIVER)
ORCUTT BROOK (WEST RIVER)
TULLY RIVER (MILLERS RIVER)
WEST RIVER
MILLERS RIVER
PRIEST BROOK
WENDELL DEPOT
ORANGE
ATHOL
SOUTH ROYALSTON
HYDEVILLE
WATERVILLE
WINCHENDON
EAST JAMAICA
SOUTH LONDONDERRY
LONDONDERRY
THE ISLAND
WESTON
BALDWINSVILLE
OTTER RIVER
RAWSONVILLE
BONDVILLE
NORTH LANDGROVE
LEGEND
ALTERNATE DEVELOPMENT
EXISTING DEVELOPMENT
PROPOSED DEVELOPMENT
INDICATES HIGH WATER MARKS OF MAR. 1936
INDICATES HIGH WATER MARKS OF NOV. 1927
FL. FLOOR
W.S. WATER SURFACE
T.W. TAIL WATER
NOTE:
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
DISTANCES IN MILES FROM CONNECTICUT RIVER
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
MILLERS RIVER, AND WEST RIVER,
MASSACHUSETTS VERMONT
IN 1 SHEET
SCALE AS SHOWN
SHEET NO. 1
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED: APPROVAL RECOMMENDED: APPROVED:
PRINCIPAL ENGINEER
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER

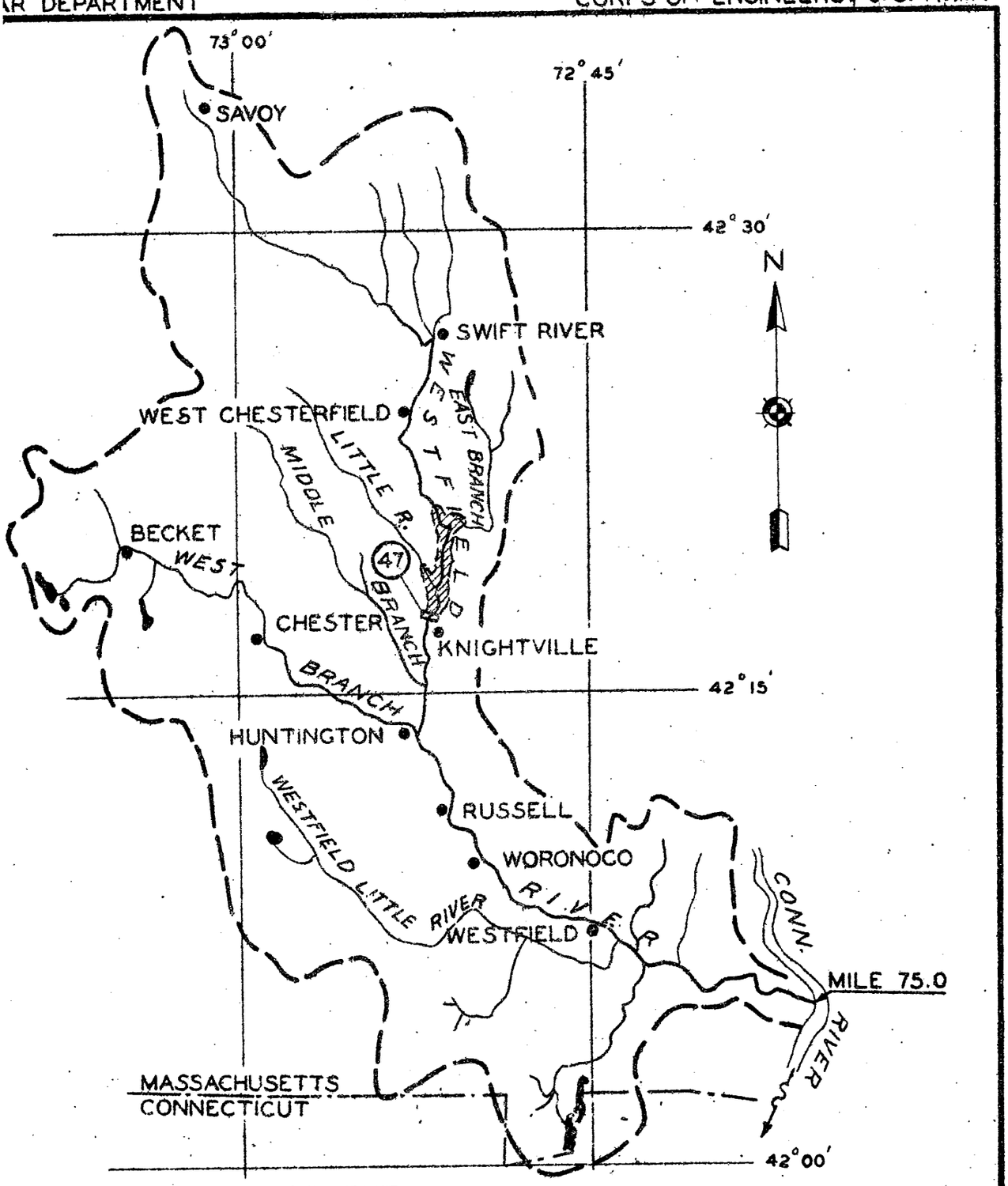


PROPOSED DEVELOPMENT
57A SURRY MOUNTAIN

CONNECTICUT RIVER FLOOD CONTROL
MAP OF WATERSHED
ASHUELOT RIVER, N.H.
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.
SCALE
5 0 5 10MI.

LEGEND
PROPOSED DEVELOPMENT
57A DAM IDENTIFICATION NUMBER


WAR DEPARTMENT
CORPS OF ENGINEERS, U.S. ARMY
ASHUELOT RIVER
CONNECTICUT RIVER MILE 139.8, W.S. 108.7
BRIDGE - BOSTON & MAINE R.R. W.S. 181.0, BASE RAIL 2 77.2
HIGHWAY BRIDGE, W.S. 204.3, FL. 221.7
U.S. GEOLOGICAL SURVEY GAGING STATION
T.W. 210.9, HINSDALE PAPER CO.
T.W. 213.6, FISK PAPER CO.
DAM - HINSDALE PAPER CO. AND FISK PAPER CO., CREST 226.8, F.B. 228.3, TOE 213.6
HIGHWAY BRIDGE, FL. 256.9
HINSDALE
CANAL FROM DAM
DAM - THE CANAL CO., CREST 257.6, TOE 252.8
PRIVATE BRIDGE, W.S. 316.1, FL. 330.7 DESTROYED
T.W. 393.3, ASHUELOT PAPER CO., PIPE LINE FROM DAM
DAM - ASHUELOT PAPER CO., CREST 335.4, F.B. 338.4, TOE 324.3
T.W. 371.1, PUBLIC SERVICE CO., OF N.H. ROBERTSON PAPER
DAM - PUBLIC SERVICE CO. OF N.H. CO. LESSEE
CREST 383.6, F.B. 386.1, TOE 372.2
HIGHWAY BRIDGE, FL. 397.8 (UNUSED)
DAM PUBLIC SERVICE CO. OF N.H., CREST 404.3, TOE 394.8
T.W. 411.9, PUBLIC SERVICE CO. OF N.H. (CANAL FROM DAM)
DAM - PUBLIC SERVICE CO OF N.H., CREST 424.1, TOE 415.6 (UNUSED)
ASHUELOT
WINCHESTER
HIGHWAY BRIDGE, FL. 435.6
BRIDGE - BOSTON & MAINE R.R., W.S. 426.8, BASE RAIL 449.0
HIGHWAY BRIDGE, W.S. 427.1, FL. 446.
DAM - NEW ENGLAND BOX CO., CREST 431.9, TOE 427.8
PRIVATE BRIDGE, W.S. 431.9, FL. 445.9
HIGHWAY BRIDGE, W.S. 431.9, FL. 446.0
HIGHWAY BRIDGE, W.S. 433.8, FL. 454.0
FOREST LAKE
BRIDGE - BOSTON & MAINE R.R., W.S. 434.5, BASE RAIL 456.2
HIGHWAY BRIDGE, W.S. 434.6, FL. 457.2
WESPPORT
REMAINS OF DAM, W.S. BELOW 436.2, W.S. ABOVE 438.2
HIGHWAY BRIDGE, W.S. 442.6, FL. 463.5
WEST SWANZEY
DAM - M.A. DICKINSON (H.W. BROWN LESSEE)
CREST 456.2, F.B. 457.2, T.W. 447.1 & 446.8
HIGHWAY BRIDGE
SWANZEY STATION
BRIDGE - BOSTON & MAINE R.R., BASE RAIL 480.0
HIGHWAY BRIDGE, FL. 475.5
SOUTH BRANCH, W.S. 457.2
ASH SWAMP BROOK
OTTER BROOK, W.S. 460.4
BRIDGE - B. & M. R.R., W.S. 461.4, BASE RAIL 477.5
HIGHWAY BRIDGE, W.S. 461.4, FL. 475.1
JUNCTION OF TAILRACE AND RIVER
HIGHWAY BRIDGE, W.S. 461.6, FL. 475.2
BRIDGE - B. & M. R.R., W.S. 461.6, BASE RAIL 478.0
HIGHWAY BRIDGE, W.S. 462.3, FL. 477.5
DAM - FAULKNER & COLONY MFG CO., CREST 472.0
TOE 463.0, (T.W. 462.7 ON CANAL) F.B. 474.0
KEENE
HIGHWAY BRIDGE, W.S. 474.5, FL. 487.1
GOOSE POND BROOK
HIGHWAY BRIDGE, W.S. 481.6, FL. 495.2
NO. 57-A SURRY MOUNTAIN - SPILLWAY CREST EL. 541.0
SURRY
REMAINS OF DAM, M.A. DICKINSON
THOMPSON BROOK
SHAWS CORNER
BROKEN BRIDGE, W.S. 642.2
DART BROOK
WEST GILSUM
HIGHWAY BRIDGE, W.S. 716.3, FL. 728.0
HIGHWAY BRIDGE, W.S. 776.4, FL. 816.0
U.S. GEOLOGICAL SURVEY GAGING STATION
GILSUM
GREAT BROOK
SOUTH BRANCH MILE 5.6, W.S. 471.3
HIGHWAY BRIDGE
HIGHWAY BRIDGE
HIGHWAY BRIDGE
GRANITE LAKE BROOK
OTTER BROOK MILE 10.05
HIGHWAY BRIDGE
HIGHWAY BRIDGE
HIGHWAY BRIDGE
HIGHWAY BRIDGE
GRANITE LAKE
HIGHWAY BRIDGE
HIGHWAY BRIDGE, W.S. 1401.2, FL. 1407.9
HIGHWAY BRIDGE, W.S. 1418.4, FL. 1426.5
BROKEN DAM, PUBLIC SERVICE CO. OF N.H.
W.S. BELOW 1421.2, W.S. ABOVE 1423.9
RUSSELL POND
DAM - FAULKNER & COLONY MFG CO., SPILLWAY CREST 1441.7,
TOP RETAINING SECTION 1444.2, (STORAGE ONLY)
TOE RETAINING SECTION 1433.6
ASHUELOT POND
DAM - MAINE FELDSPAR CO., TOE 826.0, W.S. ABOVE 836.4, (UNUSED)
DAM - GORDON CO., PIPE LINE FROM DAM)
DAM - GORDON CO., CREST 862.9
HIGHWAY BRIDGE, W.S. 867.5, FL. 870.3
BROKEN DAM W.S. BELOW 894.1, W.S. ABOVE 895.3
DAM - CUMMINGS, CREST 1081.2, T.W. 1073
HIGHWAY BRIDGE, W.S. 1082.3, FL. 1091.5
LOWER STILLWATER BRIDGE - 1124.8, FL. 1133.7
HIGHWAY BRIDGE, W.S. 1146.5, FL. 1153.2
UPPER STILLWATER BRIDGE
DAM - CRESTS WILLIAMS MFG. CO.
CREST 1156.6, F.B. 1157.6, T.W. 1147.6
HIGHWAY BRIDGE, W.S. 1160.5, FL. 1168.5
HIGHWAY VILLAGE POND
HIGHWAY BRIDGE, W.S. 1330, FL. 1338.5
DAM ASHBY LUMBER CO., (BROKEN)
MARLOW
SWANZEY
ASHUELOT RIVER, MILE 23.6, W.S. 457.2
HIGHWAY BRIDGE, W.S. 457.6, FL. 469.2
HIGHWAY BRIDGE, W.S. 460.8, FL. 477.
SOUTH BRANCH
HIGHWAY BRIDGE, W.S. 468.9, FL. 480.6
GREAT BROOK, W.S. 471.3
HIGHWAY BRIDGE, W.S. 473.2, FL. 489.6
EAST SWANZEY
DAM - C.L. LANE, CREST 500.6, F.B. 502.2, T.W. 487.8
BROKEN DAM, W.S. BELOW 505.9, W.S. ABOVE 511.7
PRIVATE BRIDGE, W.S. 518.6, FL. 527.6
HIGHWAY BRIDGE, W.S. 527.5, FL. 541.8
BROKEN DAM, W.S. 530.6
WEBB
OLD LOG DAM, CREST 611.8, TOE 608.4
HIGHWAY BRIDGE, W.S. 656.3, FL. 669.8
HIGHWAY BRIDGE, W.S. 664.3, FL. 679.0
U.S. GEOLOGICAL SURVEY GAGING STATION
HIGHWAY BRIDGE, W.S. 701.8, FL. 712.5
HIGHWAY BRIDGE, W.S. 758.6, FL. 771.8
BRIDGE - B. & M. R.R., W.S. 833.6, BASE RAIL 864.
HIGHWAY BRIDGE, W.S. 846.4, FL. 838.3
BRIDGE - B. & M. R.R., W.S. 881.7, BASE RAIL 905.0
T.W. 893.4, N.H. GAS & ELECTRIC CO., PIPE LINE FROM DAM
HIGHWAY BRIDGE, FL. 904.6
BRIDGE - B. & M. R.R., BASE RAIL 910.2
DAM - N.H. GAS & ELECTRIC CO., CREST 907.3, F.B. 909.8, TOE 892.7
DAM - OLD HICKORY, HANDLE & ENAMEL CO., CREST 924.1, T.W. 912.4
HIGHWAY BRIDGE, FL. 930.5
DAM - TROY BLANKET MILLS, CREST 943.3, T.W. 934.0 (UNUSED)
HIGHWAY BRIDGE, W.S. 943.3, FL. 949.5
T.W. 944.7, TROY BLANKET MILLS, (PIPE LINE FROM DAM)
DAM - TROY BLANKET MILLS, CREST 959.1, TOE 953.0, (ABANDONED)
PRIVATE BRIDGE, FL. 968.5
DAM - TROY BLANKET MILLS, CREST 984.1, TOE 969.2
HIGHWAY BRIDGE, FL. 994.3
DAM - TROY BLANKET MILLS, CREST 991.9, TOE 985.7 (STORAGE ONLY)
TROY
OTTER BROOK
LEGEND
EXISTING DEVELOPMENT
PROPOSED DEVELOPMENT
INDICATES HIGH WATER MARKS OF MAR. 1936
INDICATES HIGH WATER MARKS OF NOV. 1927
FL. FLOOR
W.S. WATER SURFACE
T.W. TAIL WATER
NOTE:
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.
DISTANCES IN MILES FROM CONNECTICUT RIVER.
ASHUELOT RIVER MILE 26.55, W.S. 460.4
HIGHWAY BRIDGE, W.S. 463.8, FL. 476.2
DAM - PUBLIC SERVICE CO. OF NEW HAMPSHIRE
CREST 500.1, F.B. 500.8, TOE 496.2
BRIDGE - BOSTON & MAINE R.R., W.S. 501.4, BASE RAIL 548.0
HIGHWAY BRIDGE, W.S. 513.8, FL. 527.1
MINNEWAWA BROOK, W.S. 550.5
SOUTH KEENE
HIGHWAY BRIDGE, W.S. 619.3, FL. 630.7
BRIDGE - B. & M. R.R., W.S. 628.3, BASE RAIL 667.6
HIGHWAY BRIDGE, W.S. 664.4, FL. 678.3.
BROKEN DAM, W.S. BELOW 669.7, W.S. ABOVE 671.4
HIGHWAY BRIDGE, W.S. 718.9, FL. 728.8
U.S. GEOLOGICAL SURVEY GAGING STATION
HIGHWAY BRIDGE W.S. 735.3, FL. 747.2
HIGHWAY BRIDGE
BROKEN DAM
BROKEN DAM
HIGHWAY BRIDGE
GRANITE LAKE BROOK
EAST SULLIVAN
DAM - ELISHA WHITNEY, CREST 1160.0, TOE 1155.0,
T.W. 1150.0
DAM - ELISHA WHITNEY, CREST 1217.0, W.S. BELOW 1206.0
ELLIS RESERVOIR, W.S. 1217.0
BROKEN DAM
DAM
BROKEN DAM
CHANDLER MEADOW
CENTER POND, W.S. 1319.0
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
ASHUELOT RIVER,
NEW HAMPSHIRE
IN 1 SHEET
SCALE AS SHOWN
SHEET NO. 1
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED:
APPROVAL RECOMMENDED:
PRINCIPAL ENGINEER
APPROVED:
COL., CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY: P.J.C.
TRACED BY:
CHECKED BY:
TRIP NO.



PROPOSED DEVELOPMENT
47 KNIGHTVILLE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

WESTFIELD RIVER, MASS.

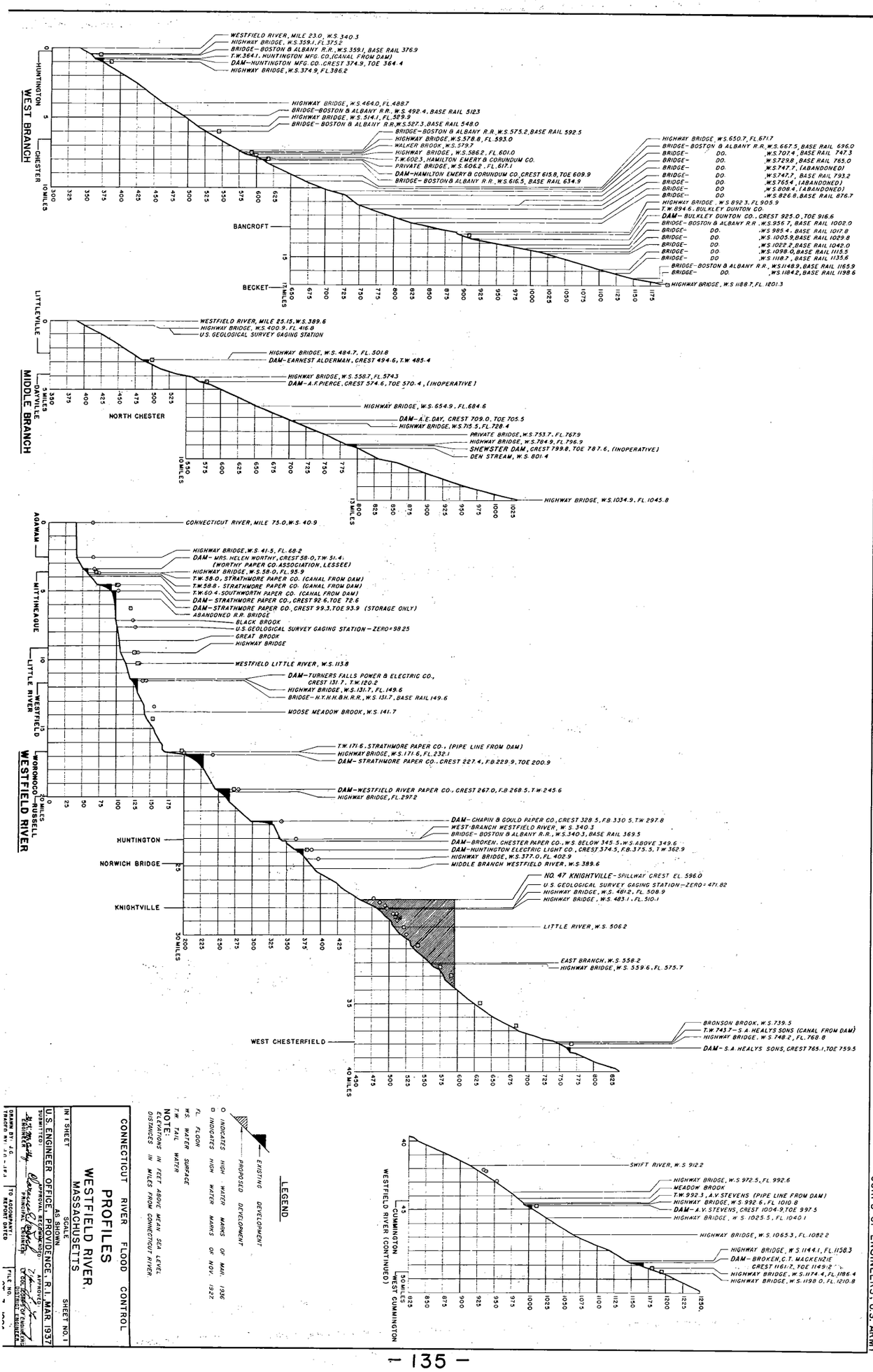
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE
5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

(47) DAM IDENTIFICATION NUMBER


WEST BRANCH
HUNTINGTON
CHESTER
WESTFIELD RIVER, MILE 23.0, W.S. 340.3
HIGHWAY BRIDGE, W.S. 359.1, FL 375.2
BRIDGE-BOSTON & ALBANY R.R., W.S. 359.1, BASE RAIL 376.9
T.W. 364.1. HUNTINGTON MFG. CO. (CANAL FROM DAM)
DAM-HUNTINGTON MFG. CO. CREST 374.9, TOE 364.4
HIGHWAY BRIDGE, W.S. 374.9, FL 386.2
HIGHWAY BRIDGE, W.S. 464.0, FL 488.7
BRIDGE-BOSTON & ALBANY R.R., W.S. 492.4. BASE RAIL 512.3
HIGHWAY BRIDGE, W.S. 514.1, FL 529.9
BRIDGE-BOSTON & ALBANY R.R. W.S. 527.3. BASE RAIL 548.0
BRIDGE-BOSTON & ALBANY R.R. W.S. 575.2, BASE RAIL 592.5
HIGHWAY BRIDGE, W.S. 578.8, FL 593.0
WALKER BROOK, W.S. 579.7
HIGHWAY BRIDGE, W.S. 586.2, FL 601.0
T.W. 602.3. (HAMILTON EMERY & CORUNDUM CO.
PRIVATE BRIDGE, W.S. 606.2, FL 617.1
DAM-HAMILTON EMERY & CORUNDUM CO. CREST 615.8, TOE 609.9
BRIDGE-BOSTON & ALBANY R.R., W.S. 616.5, BASE RAIL 634.9
HIGHWAY BRIDGE, W.S. 650.7, FL 671.7
BRIDGE-BOSTON & ALBANY R.R., W.S. 667.5, BASE RAIL 696.0
BRIDGE- DO. , W.S. 707.4, BASE RAIL 747.3
BRIDGE- DO. , W.S. 729.8, BASE RAIL 765.0
BRIDGE- DO. , W.S. 747.7, (ABANDONED)
BRIDGE- DO. , W.S. 747.7, BASE RAIL 793.2
BRIDGE- DO. , W.S. 765.4, (ABANDONED)
BRIDGE- DO. , W.S. 808.4, (ABANDONED)
BRIDGE- DO. , W.S. 826.8. BASE RAIL 876.7
HIGHWAY BRIDGE, W.S. 892.3, FL 905.9
T.W. 894.6. BULKLEY DUNTON CO.
DAM- BULKLEY DUNTON CO., CREST 925.0, TOE 916.6
BRIDGE-BOSTON & ALBANY R.R., W.S. 956.7, BASE RAIL 1002.0
BRIDGE- DO. , W.S. 985.4, BASE RAIL 1017.8
BRIDGE- DO. , W.S. 1005.9, BASE RAIL 1029.8
BRIDGE- DO. , W.S. 1022.2, BASE RAIL 1042.0
BRIDGE- DO. , W.S. 1099.0, BASE RAIL 1115.5
BRIDGE- DO. , W.S. 1118.7, BASE RAIL 1135.6
BRIDGE-BOSTON & ALBANY R.R., W.S. 1148.9, BASE RAIL 1165.9
BRIDGE- DO. , W.S. 1184.2, BASE RAIL 1198.6
HIGHWAY BRIDGE, W.S. 1188.7, FL 1201.3
BANCROFT
BECKET
MIDDLE BRANCH
LITTLEVILLE
DAVILLE
WESTFIELD RIVER, MILE 25.15, W.S. 389.6
HIGHWAY BRIDGE, W.S. 400.9, FL 416.8
U.S. GEOLOGICAL SURVEY GAGING STATION
HIGHWAY BRIDGE, W.S. 484.7, FL 501.8
DAM-EARNEST ALDERMAN, CREST 494.6, T.W. 485.4
HIGHWAY BRIDGE, W.S. 558.7, FL 574.3
DAM-A.R. PIERCE, CREST 574.6, TOE 570.4, (INOPERATIVE)
NORTH CHESTER
HIGHWAY BRIDGE, W.S. 654.9, FL 684.6
DAM-A.E. DAY, CREST 709.0, TOE 705.5
HIGHWAY BRIDGE, W.S. 715.5, FL 728.4
PRIVATE BRIDGE, W.S. 753.7, FL 767.9
HIGHWAY BRIDGE, W.S. 784.9, FL 796.9
SHEWSTER DAM, CREST 799.8, TOE 787.6, (INOPERATIVE)
DEN STREAM, W.S. 801.4
HIGHWAY BRIDGE, W.S. 1034.9, FL 1045.8
WESTFIELD RIVER
AGAWAM
MITTINEAGUE
LITTLE RIVER
WESTFIELD
MORONCO
HUBBELL
CONNECTICUT RIVER, MILE 75.0, W.S. 40.9
HIGHWAY BRIDGE, W.S. 41.5, FL 68.2
DAM- MRS. HELEN WORTHY, CREST 58.0, T.W. 51.4. (WORTHY PAPER CO. ASSOCIATION, LESSEE)
HIGHWAY BRIDGE, W.S. 58.0, FL 95.9
T.W. 58.0. STRATHMORE PAPER CO. (CANAL FROM DAM)
T.W. 58.8. STRATHMORE PAPER CO. (CANAL FROM DAM)
T.W. 60.4. SOUTHWORTH PAPER CO. (CANAL FROM DAM)
DAM- STRATHMORE PAPER CO., CREST 92.6, TOE 72.6
DAM-STRATHMORE PAPER CO., CREST 99.3, TOE 93.9 (STORAGE ONLY)
ABANDONED R.R. BRIDGE
BLACK BROOK
U.S. GEOLOGICAL SURVEY GAGING STATION-ZERO=58.25
GREAT BROOK
HIGHWAY BRIDGE
WESTFIELD LITTLE RIVER, W.S. 113.8
DAM-TURNERS FALLS POWER & ELECTRIC CO., CREST 131.7, T.W. 120.2
HIGHWAY BRIDGE, W.S. 131.7, FL 149.6
BRIDGE- N.Y.N.H. & H.R.R., W.S. 131.7, BASE RAIL 149.6
MOOSE MEADOW BROOK, W.S. 141.7
T.W. 171.6. STRATHMORE PAPER CO., (PIPE LINE FROM DAM)
HIGHWAY BRIDGE, W.S. 171.6, FL 232.1
DAM- STRATHMORE PAPER CO., CREST 227.4, F.B. 229.9, TOE 200.9
DAM-WESTFIELD RIVER PAPER CO., CREST 267.0, F.B. 268.5, T.W. 245.6
HIGHWAY BRIDGE, FL 257.2
DAM- CHAPIN & GOULD PAPER CO., CREST 328.5, F.B. 330.5, T.W. 297.8
WEST BRANCH WESTFIELD RIVER, W.S. 340.3
BRIDGE- BOSTON & ALBANY R.R., W.S. 340.3, BASE RAIL 369.5
DAM-BROKEN. CHESTER PAPER CO., W.S. BELOW 345.5, W.S. ABOVE 349.6
DAM-HUNTINGTON ELECTRIC LIGHT CO., CREST 374.5, F.B. 375.5, T.W. 362.9
HIGHWAY BRIDGE, W.S. 377.0, FL 402.9
MIDDLE BRANCH WESTFIELD RIVER, W.S. 389.6
HUNTINGTON
NORWICH BRIDGE
KNIGHTVILLE
NO. 47 KNIGHTVILLE-SPILLWAY CREST EL. 596.0
U.S. GEOLOGICAL SURVEY GAGING STATION-ZERO=471.82
HIGHWAY BRIDGE, W.S. 481.2, FL 508.9
HIGHWAY BRIDGE, W.S. 483.1, FL 510.1
LITTLE RIVER, W.S. 506.2
EAST BRANCH, W.S. 558.2
HIGHWAY BRIDGE, W.S. 559.6, FL 575.7
WEST CHESTERFIELD
BRONSON BROOK, W.S. 739.5
T.W. 743.7-S.A. HEALYS SONS (CANAL FROM DAM)
HIGHWAY BRIDGE, W.S. 748.2, FL 768.8
DAM- S.A. HEALYS SONS, CREST 765.1, TOE 759.5
WESTFIELD RIVER (CONTINUED)
CUMMINGTON
WEST CUMMINGTON
SWIFT RIVER, W.S. 912.2
HIGHWAY BRIDGE, W.S. 972.5, FL 992.6
MEADOW BROOK
T.W. 992.3, A.V. STEVENS (PIPE LINE FROM DAM)
HIGHWAY BRIDGE, W.S. 992.6, FL 1010.8
DAM-A.V. STEVENS, CREST 1004.9, TOE 997.5
HIGHWAY BRIDGE, W.S. 1025.5, FL 1040.1
HIGHWAY BRIDGE, W.S. 1065.3, FL 1082.2
HIGHWAY BRIDGE, W.S. 1144.1, FL 1158.3
DAM-BROKEN, C.T. MACKENZIE CREST 1161.7, TOE 1149.2
HIGHWAY BRIDGE, W.S. 1174.4, FL 1186.4
HIGHWAY BRIDGE, W.S. 1198.0, FL 1210.8
LEGEND
EXISTING DEVELOPMENT
PROPOSED DEVELOPMENT
O INDICATES HIGH WATER MARKS OF MAR. 1936
□ INDICATES HIGH WATER MARKS OF NOV. 1927
FL FLOW
W.S. WATER SURFACE
T.W. TAIL WATER
NOTE:
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
DISTANCES IN MILES FROM CONNECTICUT RIVER.
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
WESTFIELD RIVER,
MASSACHUSETTS
SCALE
AS SHOWN
SHEET NO. 1
IN 1 SHEET
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937
SUBMITTED:
APPROVAL RECOMMENDED:
APPROVED:
ENGINEER
PRINCIPAL ENGINEER
CHIEF, DIVISION OF ENGINEERING
DRAWN BY: J.G.
TRACED BY: J.H.
TO ACCOMPANY REPORT DATED
FILE NO.