FLOOD CONTROL

CONNECTICUT RIVER VALLEY

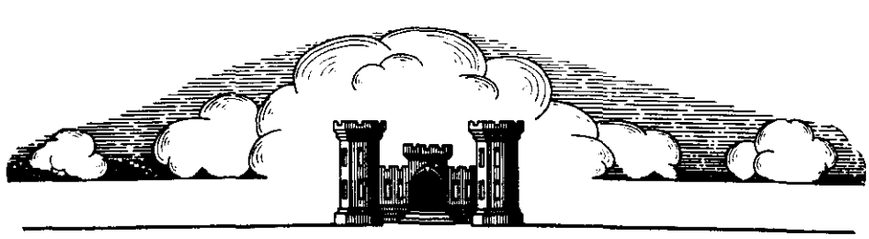
REPORT OF SURVEY

AND

COMPREHENSIVE PLAN

APPENDIX, VOLUME 3

SECTION 7- MAPS, PLANS AND PROFILES



UNITED STATES ENGINEER OFFICE
PROVIDENCE, RHODE ISLAND

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

APPENDIX, VOLUME 3 MAPS, PLANS AND PROFILES

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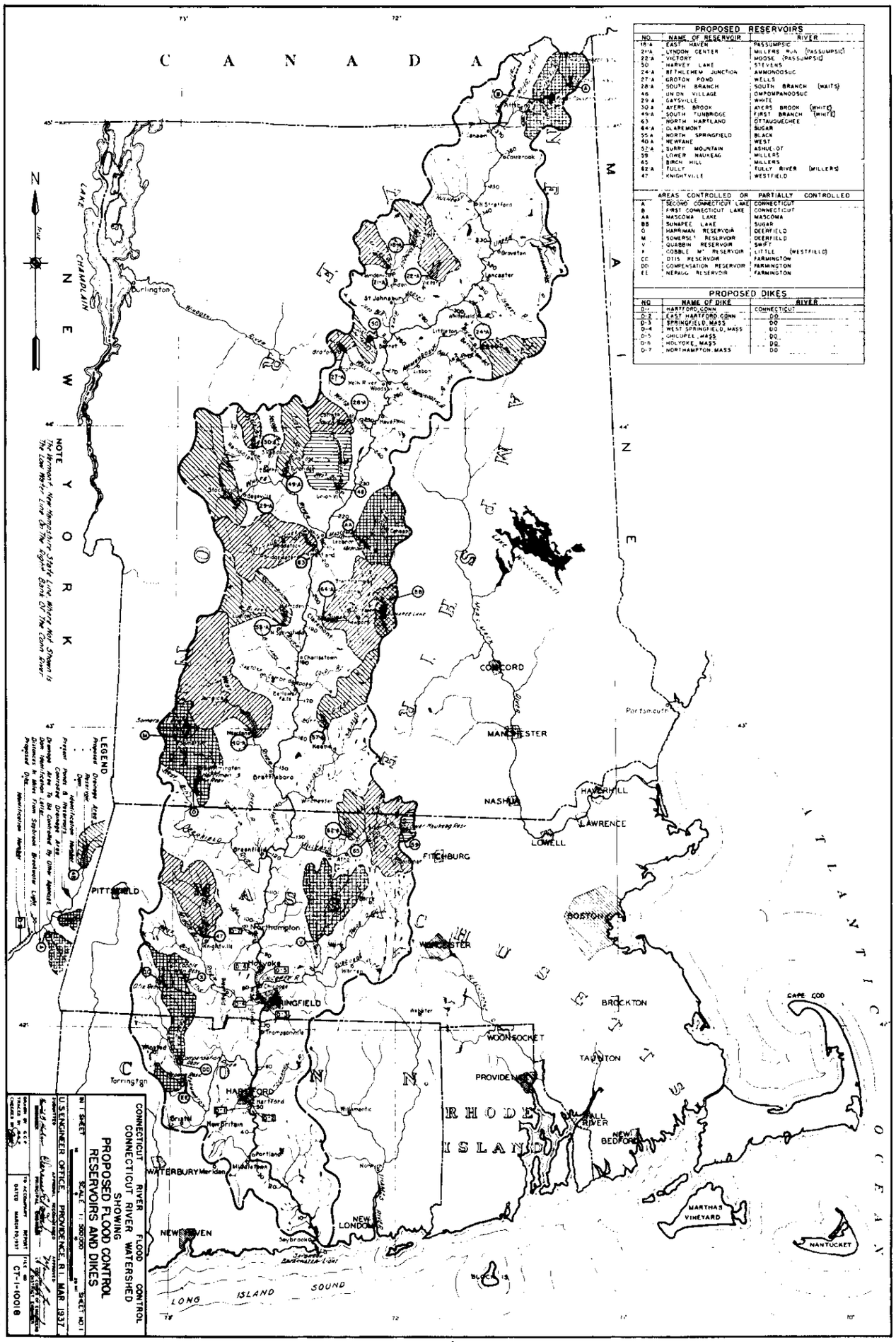
SECTION 4

PLATE REFERENCE

MAPS AND PLANS

RESERVOIRS - DETAILS



PROPOSED RESERVOIRS		
NO.	NAME OF RESERVOIR	RIVER
19-A	EAST HAVEN	PASSUMPSIC
21-A	LYNDON CENTER	MILLERS RUN (PASSUMPSIC)
22-A	VICTORY	MOOSE (PASSUMPSIC)
30	HARVEY LAKE	STEVENS
24-A	BETHLEHEM JUNCTION	AMMONOOSUC
27-A	GROTON POND	WELLS
28-A	SOUTH BRANCH	SOUTH BRANCH (WAITS)
46	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
52-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

NOTE
The Vermont, New Hampshire State Line Where Not Shown Is The Low Water Line On The Right Bank Of The Connecticut River

LEGEND
Proposed Drainage Area
Dam Identification Letter
Proposed Dike
Identification Number
Present Dams & Reservoirs
Dam Identification Letter
Drainage Area To Be Controlled By Other Agencies
Distances In Miles From Seabrook Breakwater Light

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

SCALE 1:500,000

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

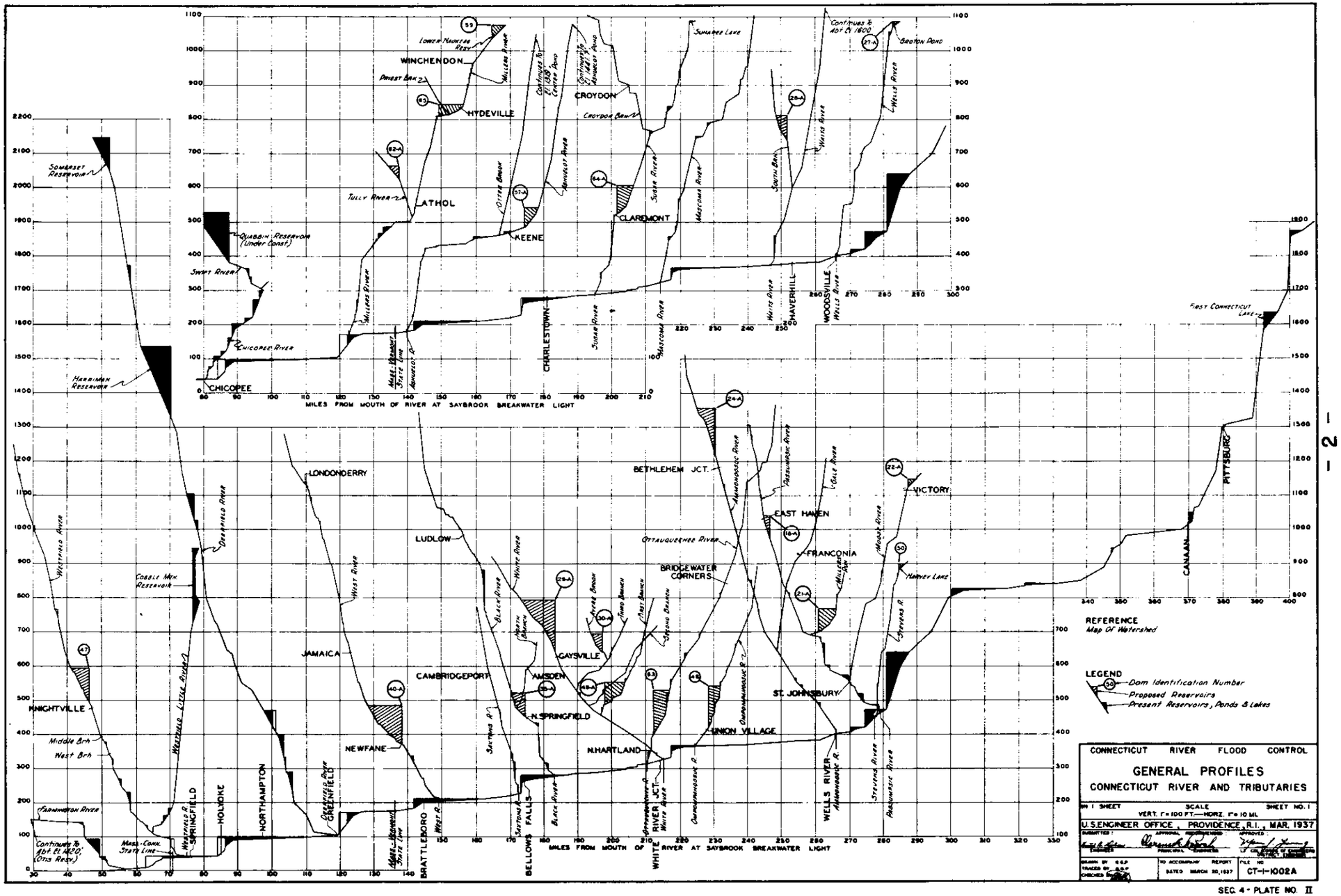
SHEET NO. 1

SEC 4 - PLATE NO 1

CORPS OF ENGINEERS U.S. ARMY

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PROFILES
CONNECTICUT RIVER AND TRIBUTARIES

SHEET 1 OF 1 SHEETS	SCALE VERT. 1" = 100 FT.—HORZ. 1" = 10 MI.	SHEET NO. 1

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

SUBMITTED: APPROVAL RECOMMENDED: APPROVED:

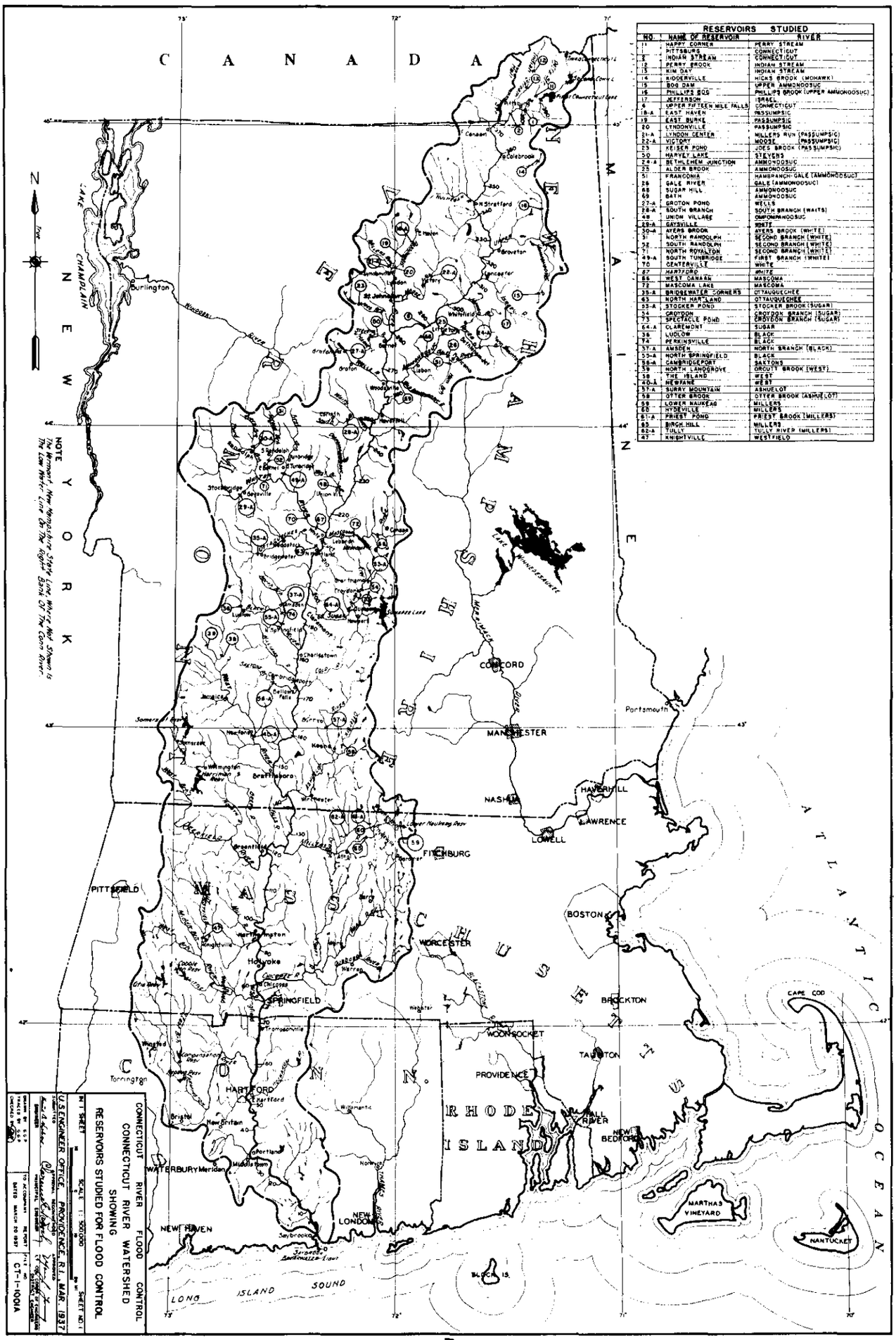
DRAWN BY G.G.P. TRACED BY G.G.P. CHECKED

TO ACCOMPANY REPORT DATED MARCH 30, 1937

FILE NO. CT-I-1002A

SEC. 4 - PLATE NO. II

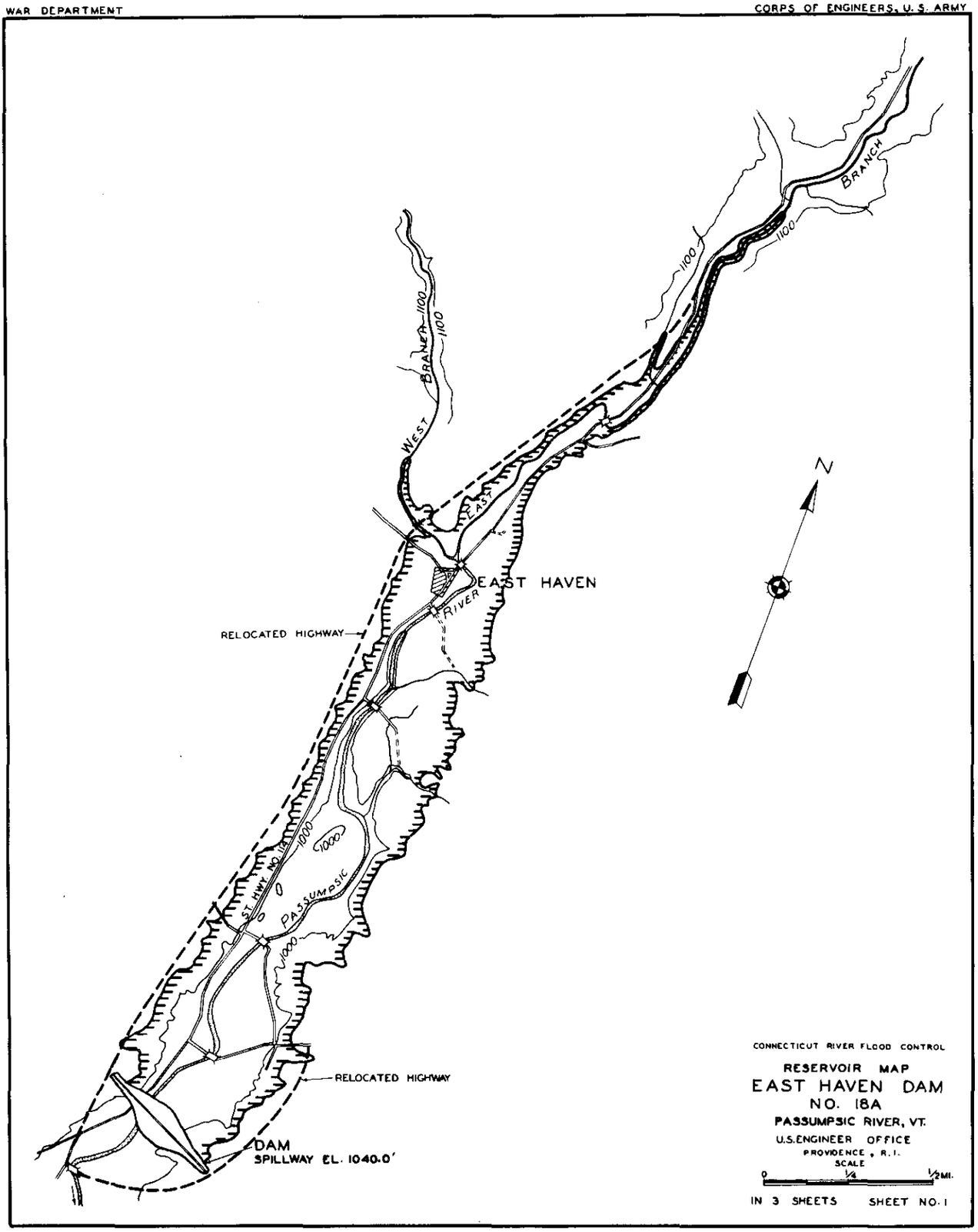
I-2-I

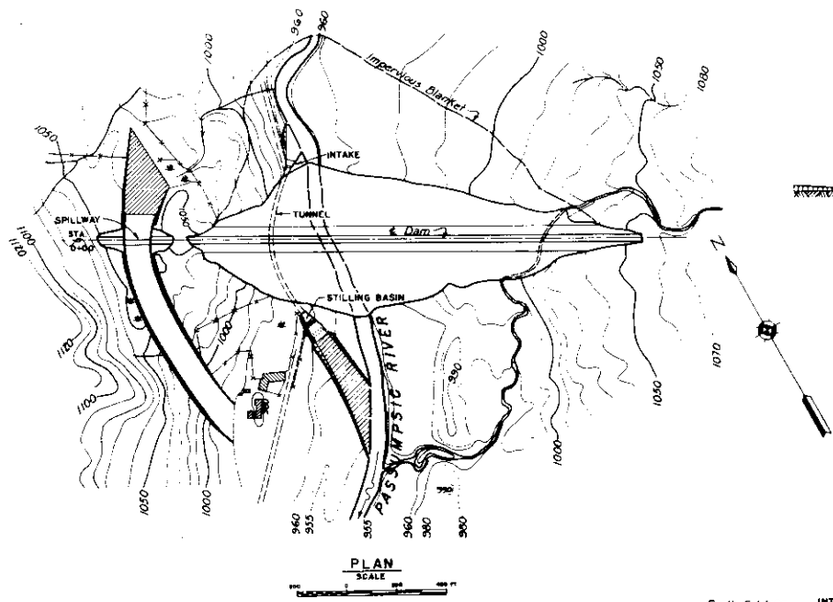


NOTE
The Vermont, New Hampshire State Line, Where Not Shown Is The Low Water Line On The Right Bank Of The Conn River.

RESERVOIRS STUDIED

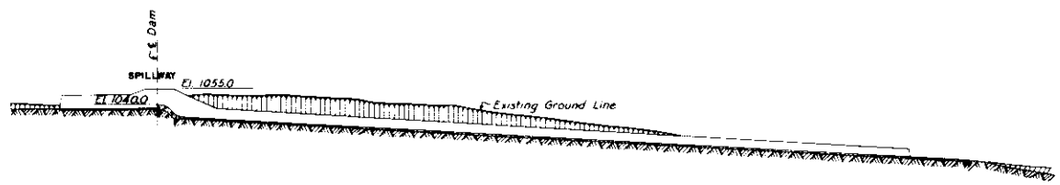
NO.	NAME OF RESERVOIR	RIVER
11	HAPPY CORNER	PERRY STREAM
1	PITTSBURG	CONNECTICUT
2	INDIAN STREAM	CONNECTICUT
12	PERRY BROOK	INDIAN STREAM
13	KIM DAY	INDIAN STREAM
14	KIDDERVILLE	HICKS BROOK (MOHAWK)
15	BOG DAM	UPPER AMMONOOSUC
16	PHILLIPS BOG	PHILLIPS BROOK (UPPER AMMONOOSUC)
17	JEFFERSON	ISRAEL
4	UPPER 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


WEST BRANCH
EAST BRANCH
1100
1100
1100
EAST HAVEN
RIVER
RELOCATED HIGHWAY
ST. HWY. NO. 10
1000
1000
1000
PASSUMPSIC
RELOCATED HIGHWAY
DAM
SPILLWAY EL. 1040.0'
N
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



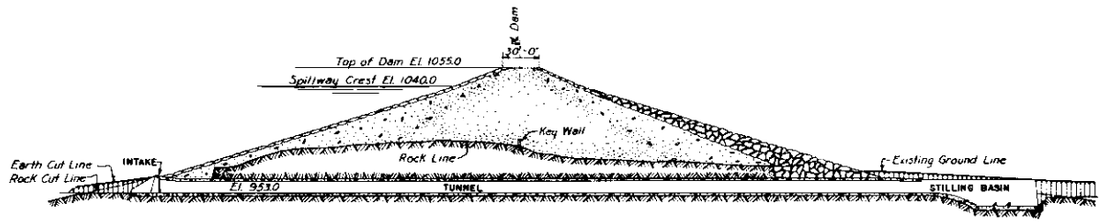
PLAN

SCALE



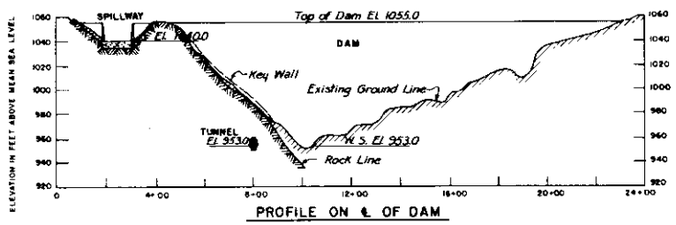
SECTION THROUGH SPILLWAY

SCALE

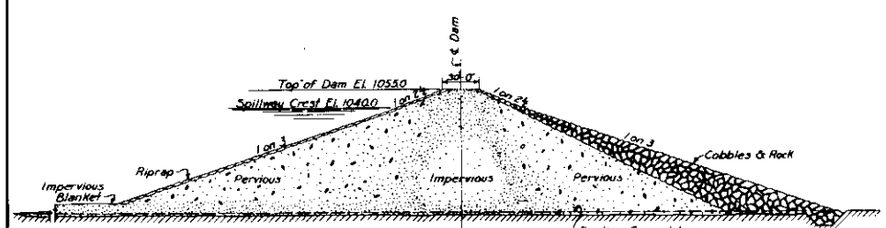


SECTION ON ℄ OF TUNNEL

SCALE

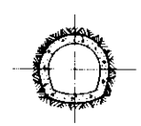


PROFILE ON ℄ OF DAM



TYPICAL SECTION

SCALE



SECTION THROUGH TUNNEL

SCALE

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

EAST HAVEN DAM

NO. 18-A

PASSUMPSIC RIVER, VERMONT

IN 3 SHEETS SCALE AS SHOWN SHEET NO 1

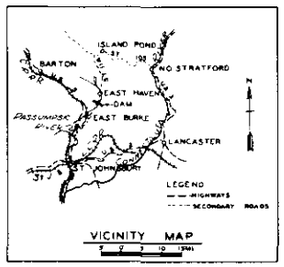
U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR 1937

SUBMITTED ENGINEER | APPROVAL RECOMMENDED PRINCIPAL ENGINEER | APPROVED

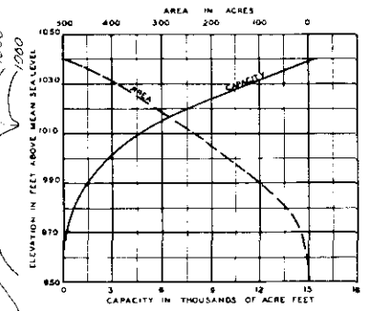
DRAWN BY S.R.L. TRACED BY CHECKED BY | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO CT-1 1041

SEC. 4 - PLATE NO 88

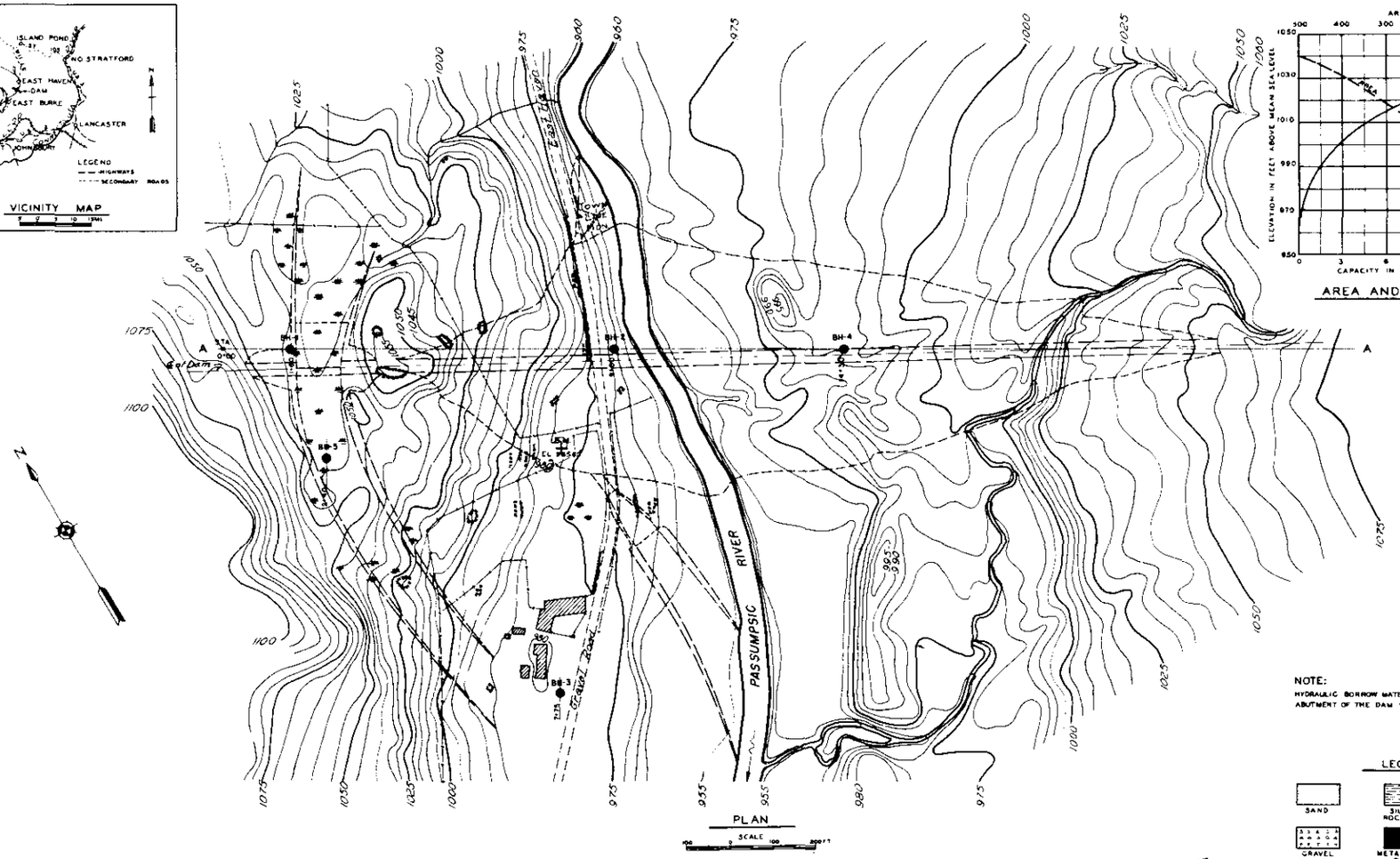
1-5-1

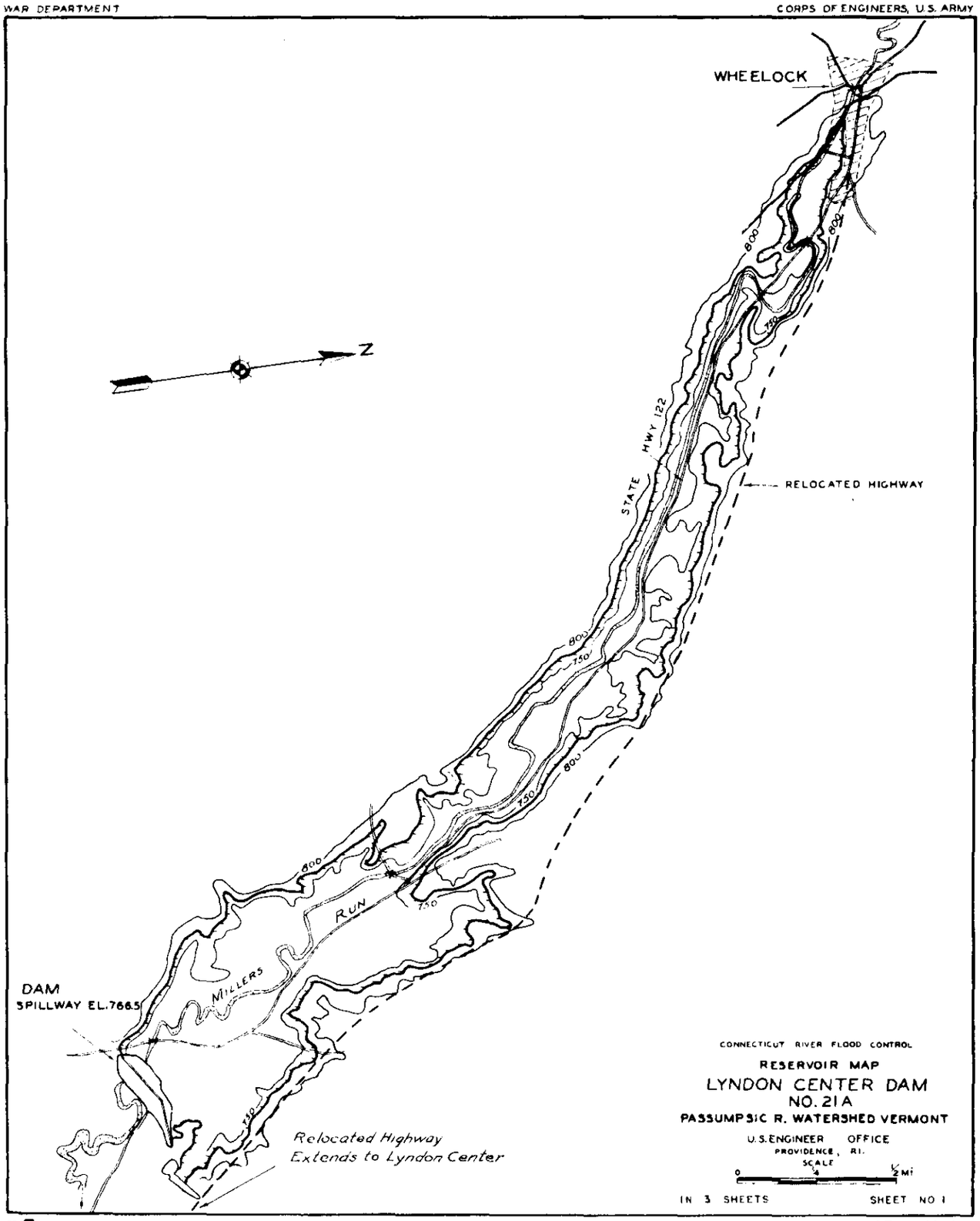


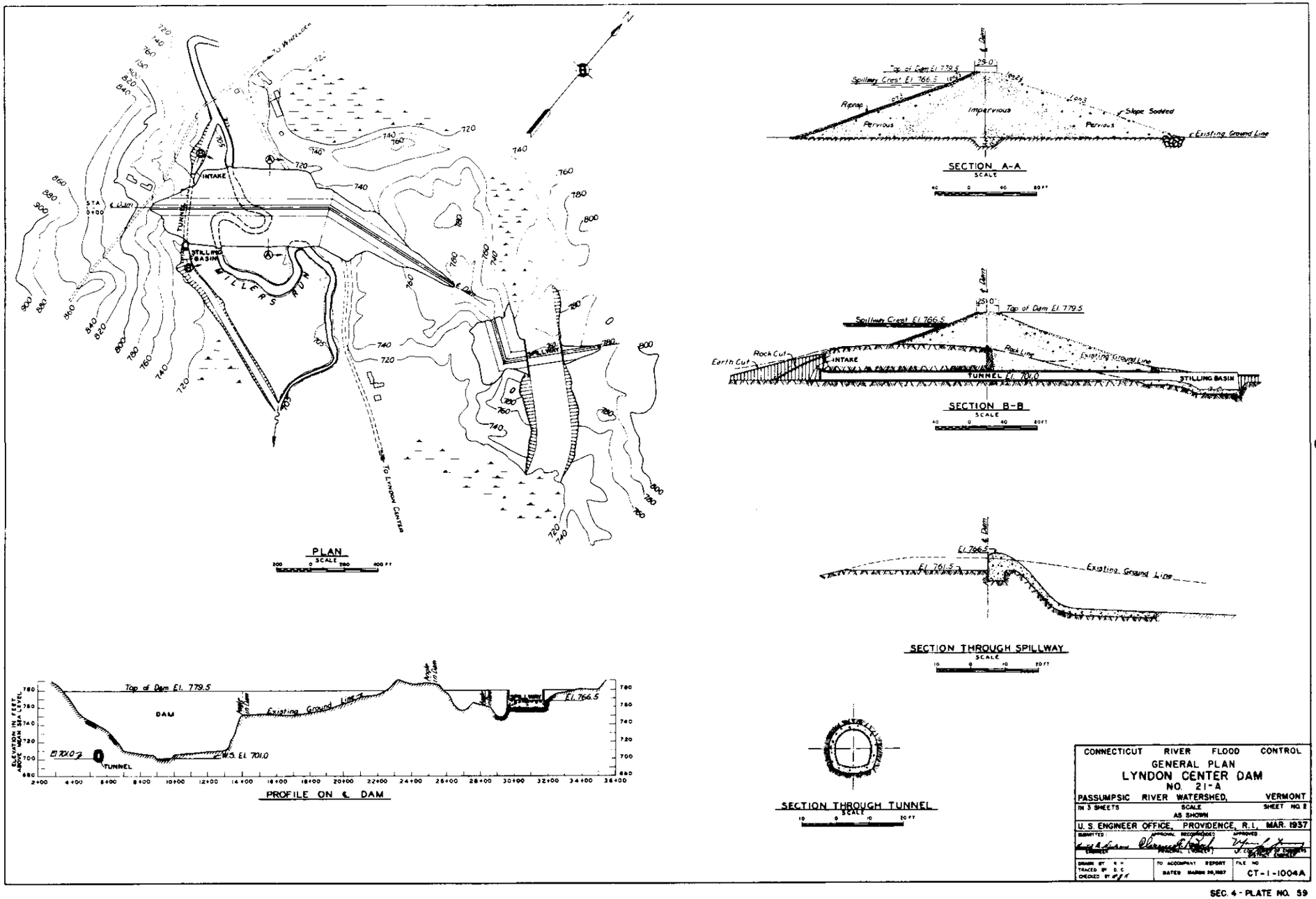
VICINITY MAP

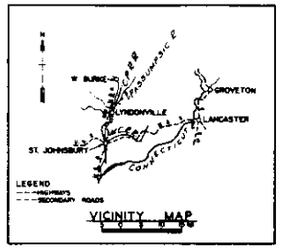


AREA AND CAPACITY CURVES

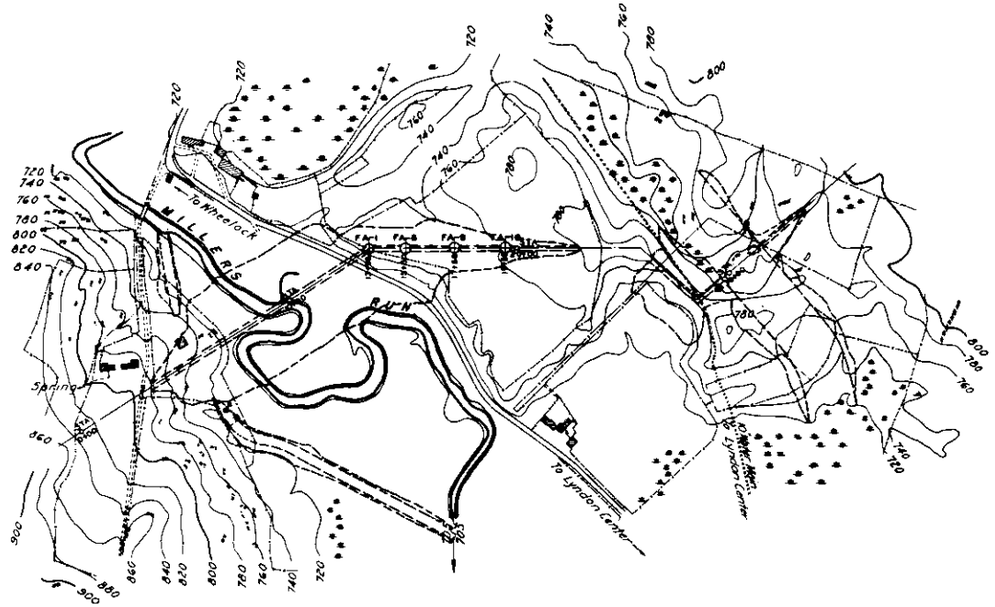



WHEELOCK
N
STATE HWY 122
RELOCATED HIGHWAY
800'
750'
MILLERS RUN
DAM
SPILLWAY EL. 766.5
Relocated Highway
Extends to Lyndon Center
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
LYNDON CENTER DAM
NO. 21A
PASSUMPSIC R. WATERSHED VERMONT
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 ¼ ½ MI
IN 3 SHEETS
SHEET NO 1


PLAN
SCALE
INTAKE
TUNNEL
STILLING BASIN
MILLERS RUN
STA 0+00
To Lyndon Center
SECTION A-A
SCALE
Top of Dam El. 779.5
Spillway Crest El. 766.5
Riprap
Pervious
Impervious
Slope Sodded
Existing Ground Line
SECTION B-B
SCALE
Top of Dam El. 779.5
Spillway Crest El. 766.5
Rock Cut
Earth Cut
INTAKE
Rock Line
Existing Ground Line
TUNNEL El. 701.0
STILLING BASIN
SECTION THROUGH SPILLWAY
SCALE
El. 766.5
El. 761.5
Existing Ground Line
SECTION THROUGH TUNNEL
SCALE
PROFILE ON ℄ DAM
Top of Dam El. 779.5
DAM
Existing Ground Line
El. 766.5
El. 701.0
TUNNEL
W.S. El. 701.0
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
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:
DRAWN BY
TRACED BY
CHECKED BY
TO ACCOMPANY REPORT
DATED MARCH 20, 1937
FILE NO.
CT-1-1004A

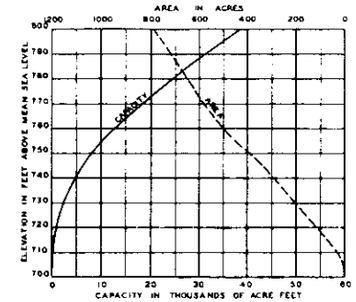


VICINITY MAP



PLAN

SCALE 200 0 200 400 FT

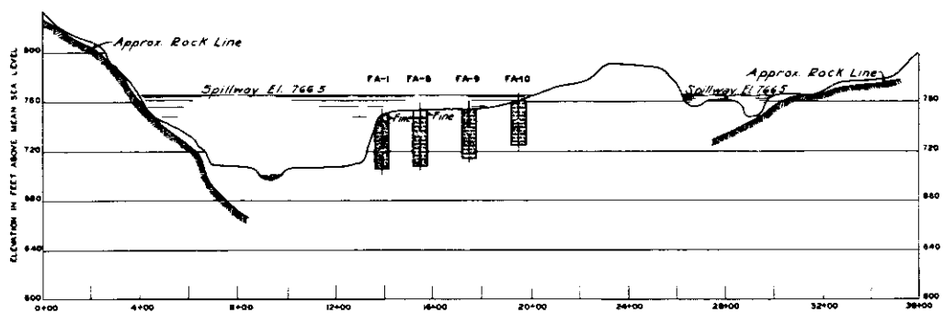


AREA AND CAPACITY CURVES

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
GRANITE
ROCK OUT-CROP

○ FA = AUGER BORING



PROFILE ON ℄ DAM

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.

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

LYNDON CENTER DAM

NO. 21-A

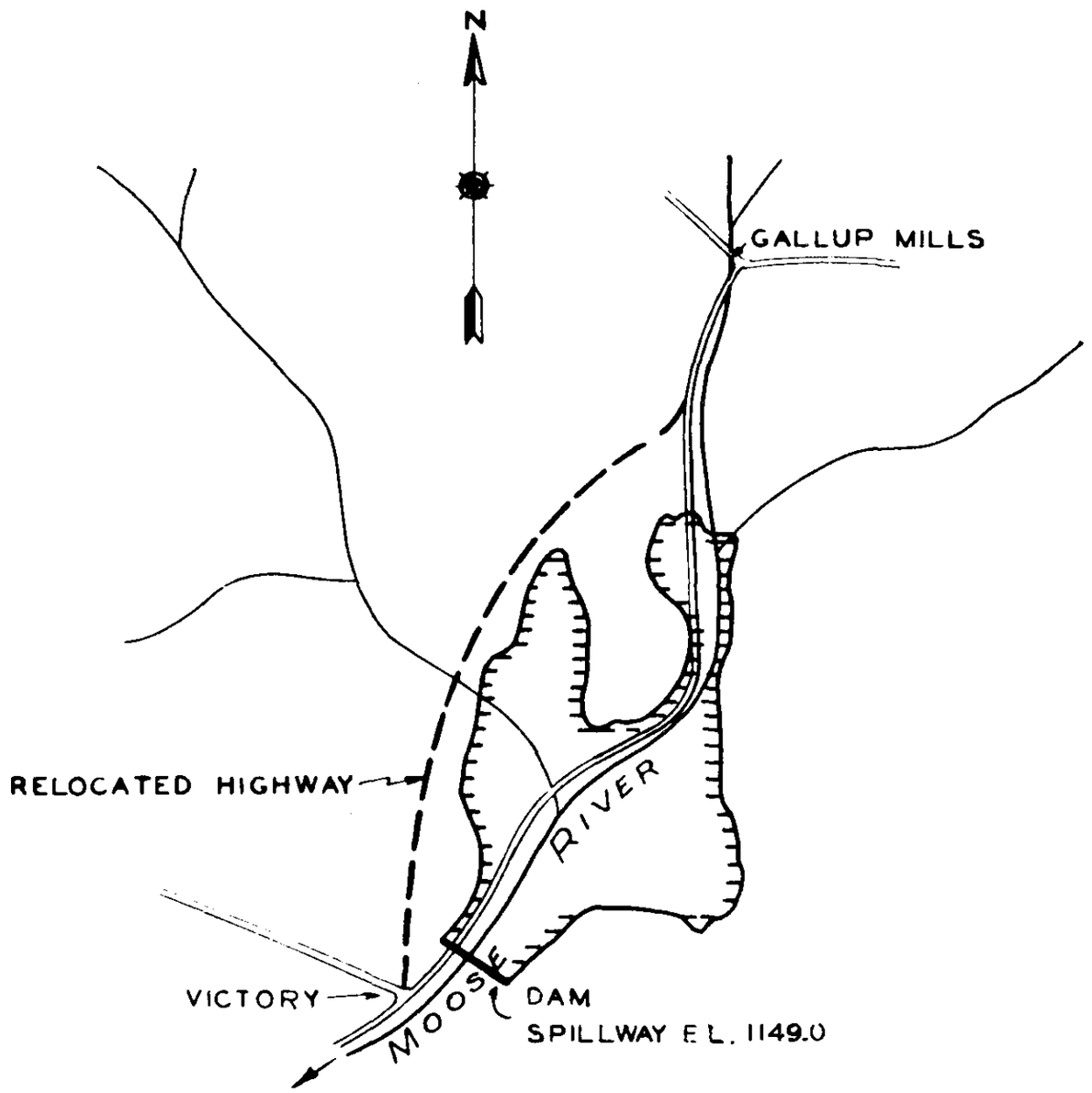
PASSUMPSIC RIVER WATERSHED, VERMONT

NO 3 SHEETS	SCALE AS SHOWN	SHEET NO 3

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 O.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

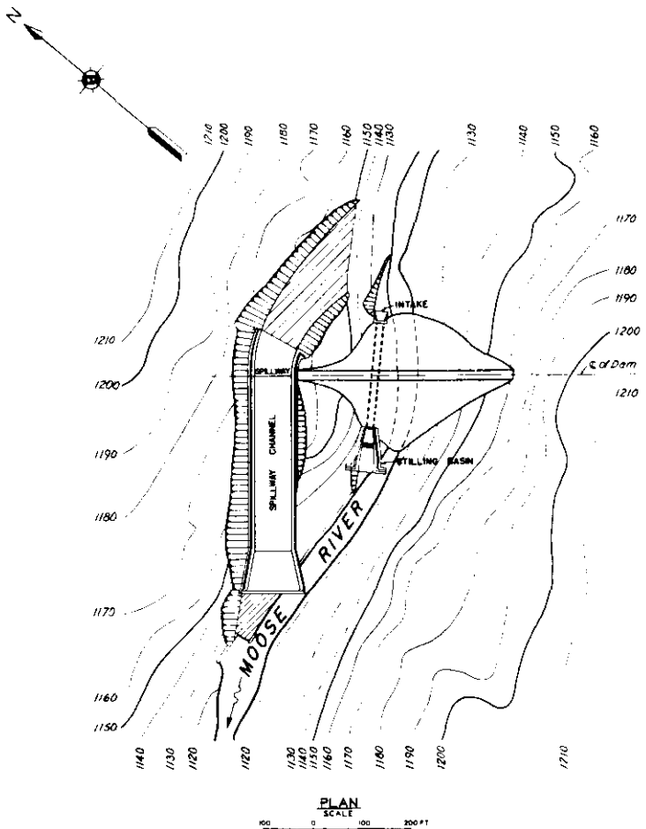
U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

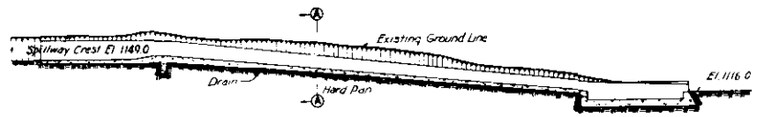
SCALE

0 1 2 MI.

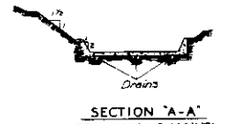
IN 3 SHEETS SHEET NO. 1



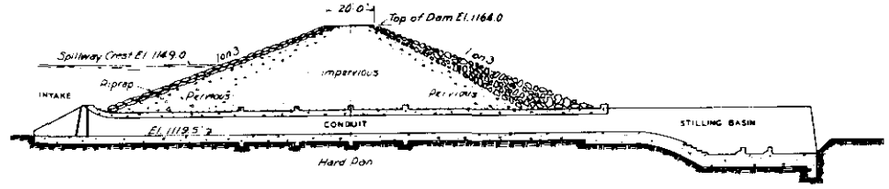
PLAN
SCALE
150 0 100 200 FT



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



SECTION "A-A"
SPILLWAY CHANNEL
SCALE
40 0 40 80 FT



SECTION ON ℄ CONDUIT
SCALE
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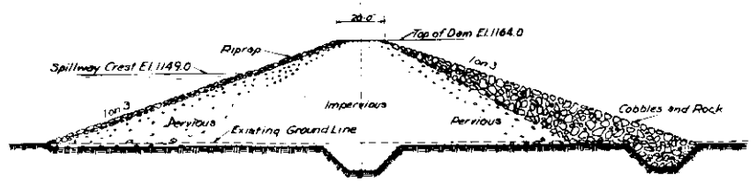
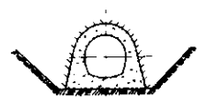
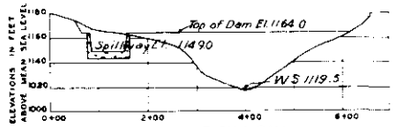


TYPICAL SECTION
SCALE
20 0 20 40 FT



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 | APPROVAL RECOMMENDED | APPROVED

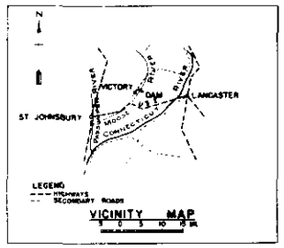
ENGINEER | PRINCIPAL ENGINEER | LT COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY H.H.
TRACED BY E.L.
CHECKED BY

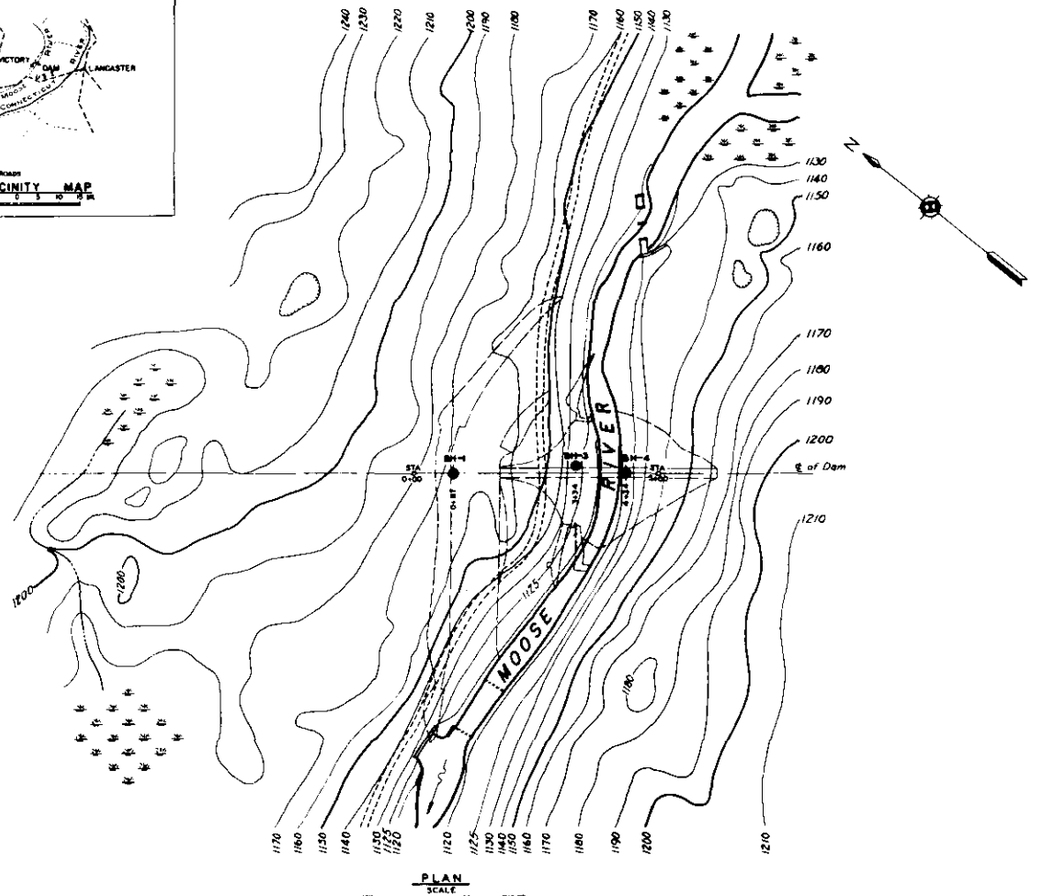
TO ACCOMPANY REPORT DATED MARCH 20,1937

FILE NO CT-1-1006A

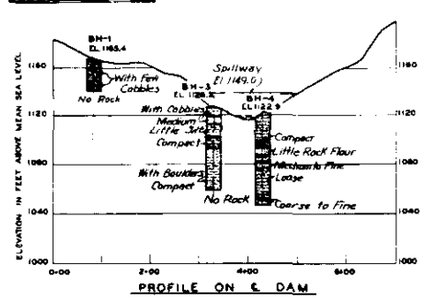
SEC. 4 - PLATE NO. 62



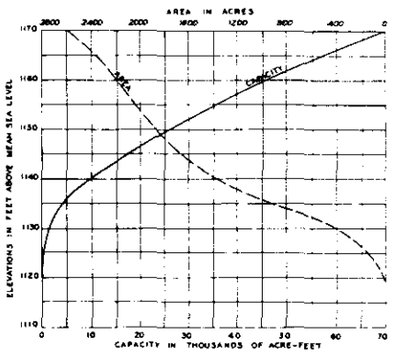
VICINITY MAP



PLAN



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

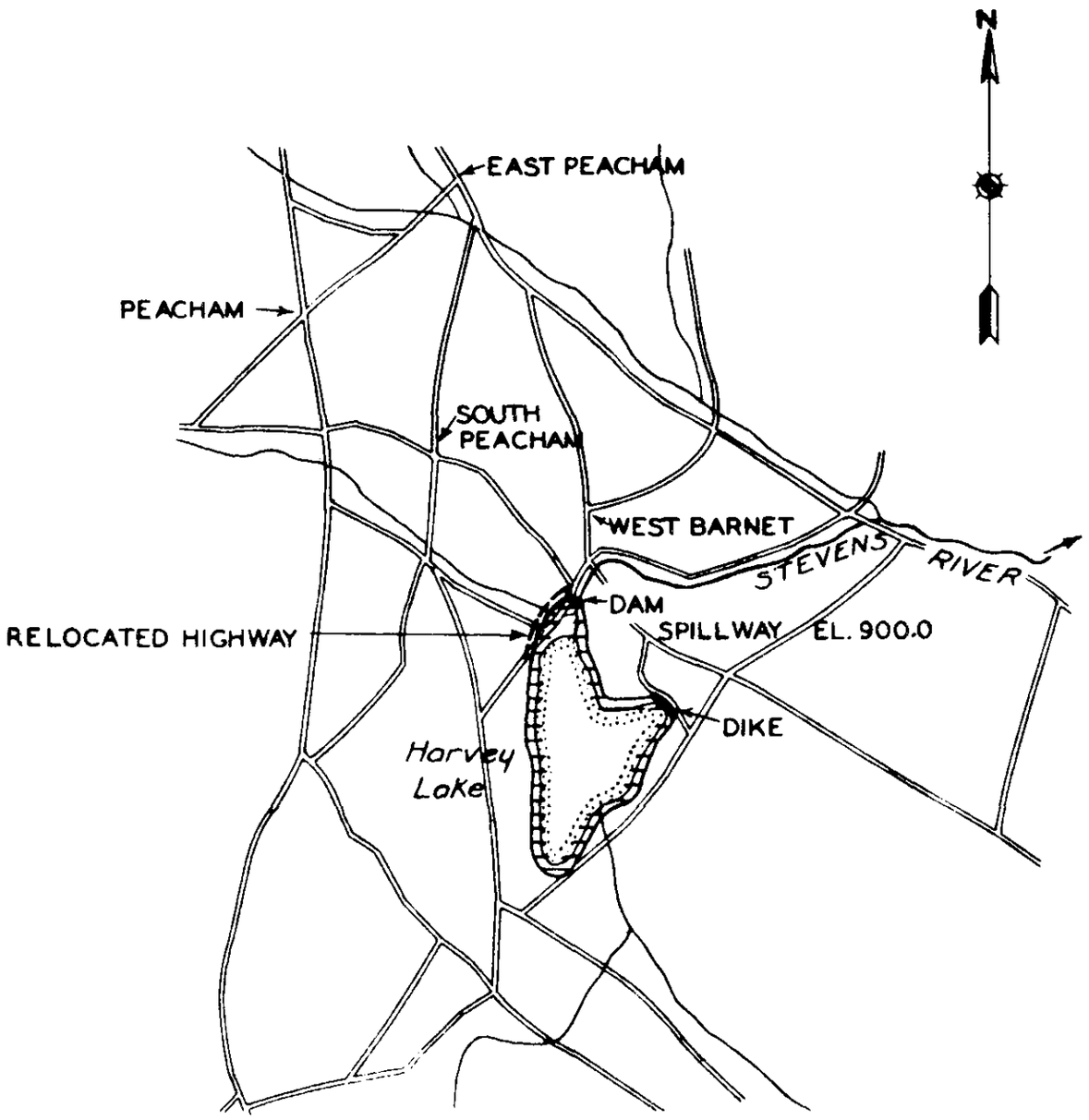
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

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

DRAWN BY: G P
TRACED BY: E C L
CHECKED BY: J G R

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

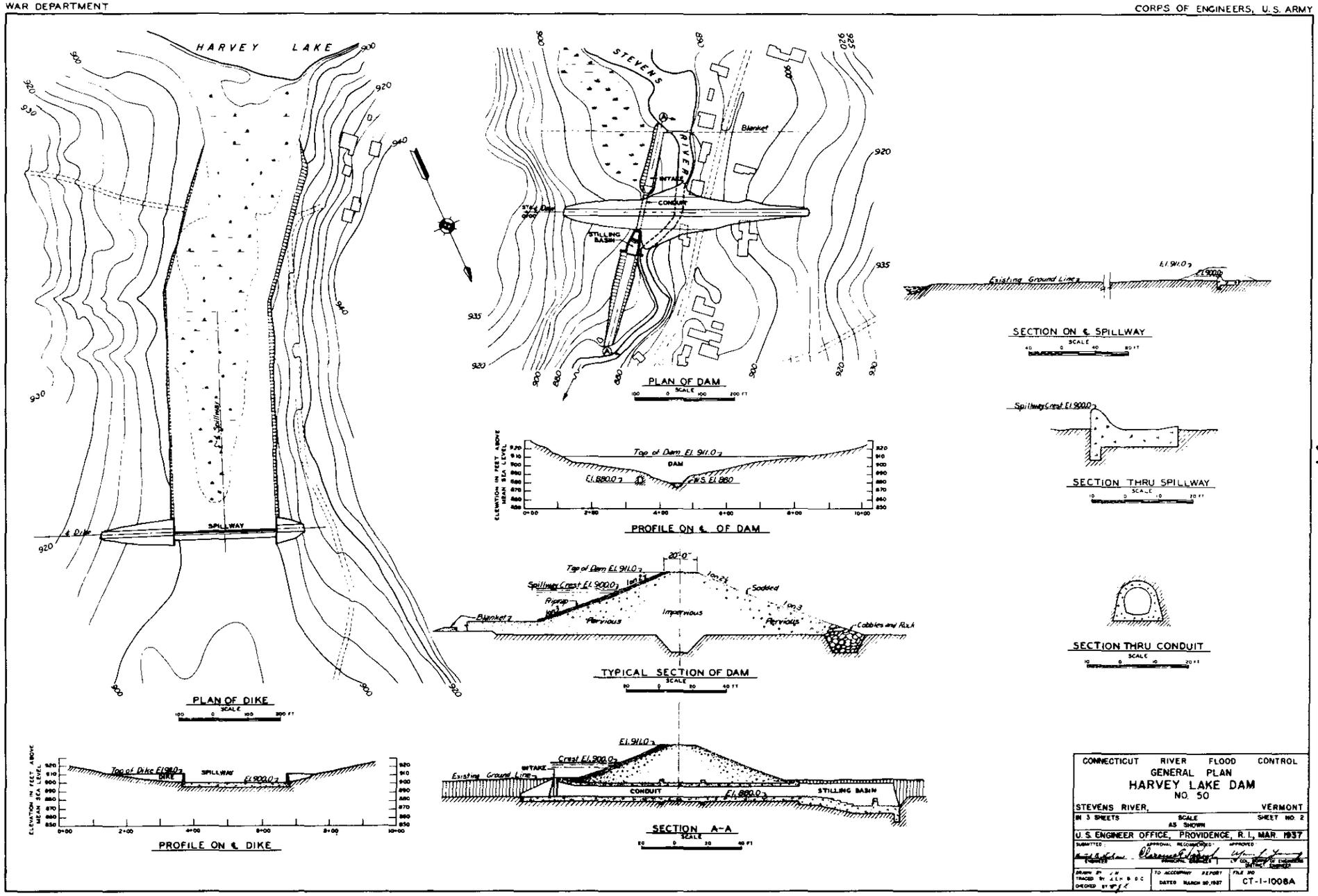
U. S. ENGINEER OFFICE

PROVIDENCE, R. I.

SCALE

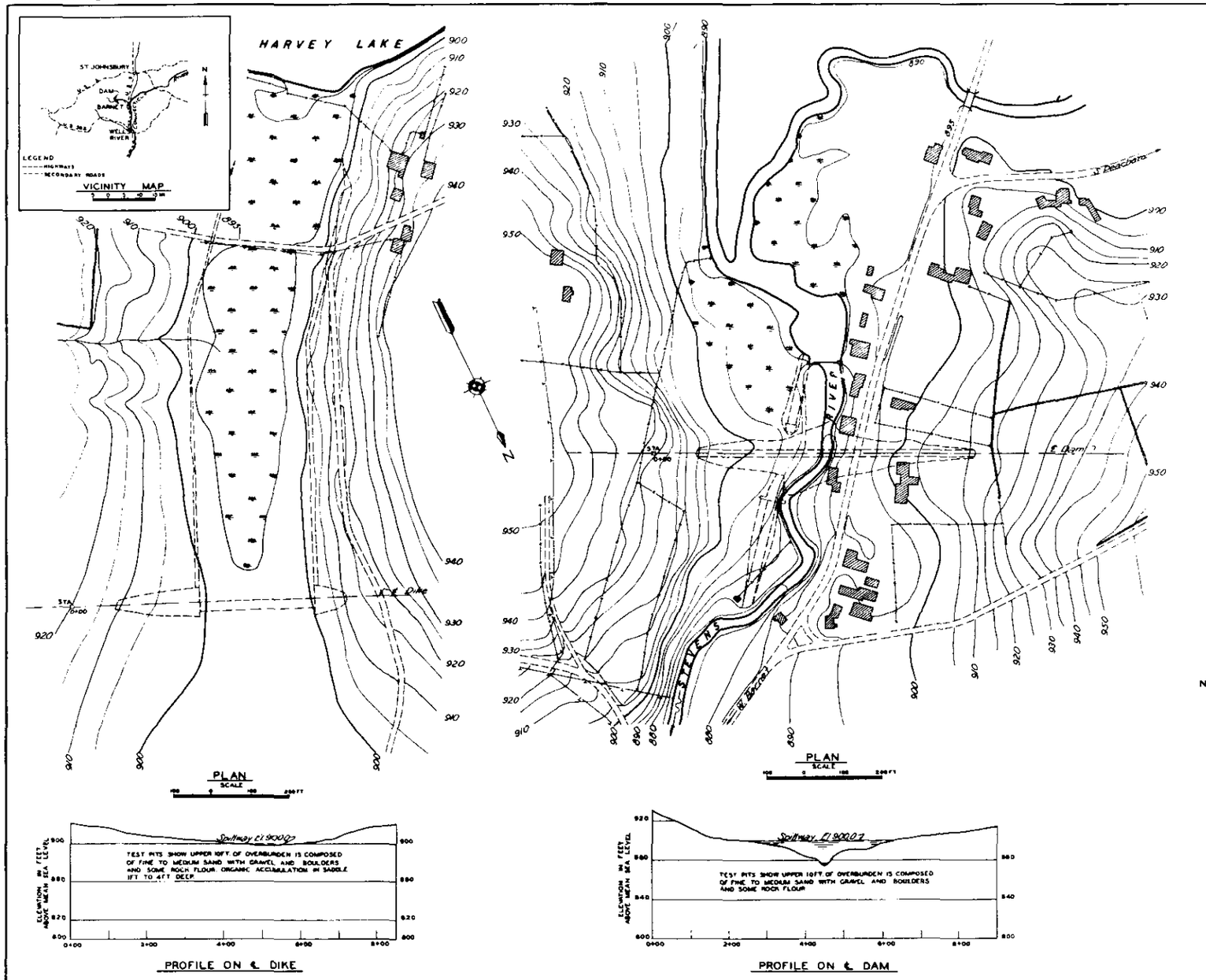
0 1 2 MI

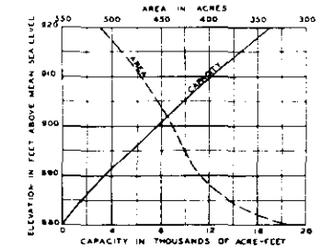
IN 3 SHEETS SHEET NO. 1



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.E.H. & D.C. CHECKED BY W.F.L.
TO ACCOMPANY REPORT DATED MARCH 30, 1937
FILE NO. CT-1-1008A

SEC. 4 - PLATE NO. 65

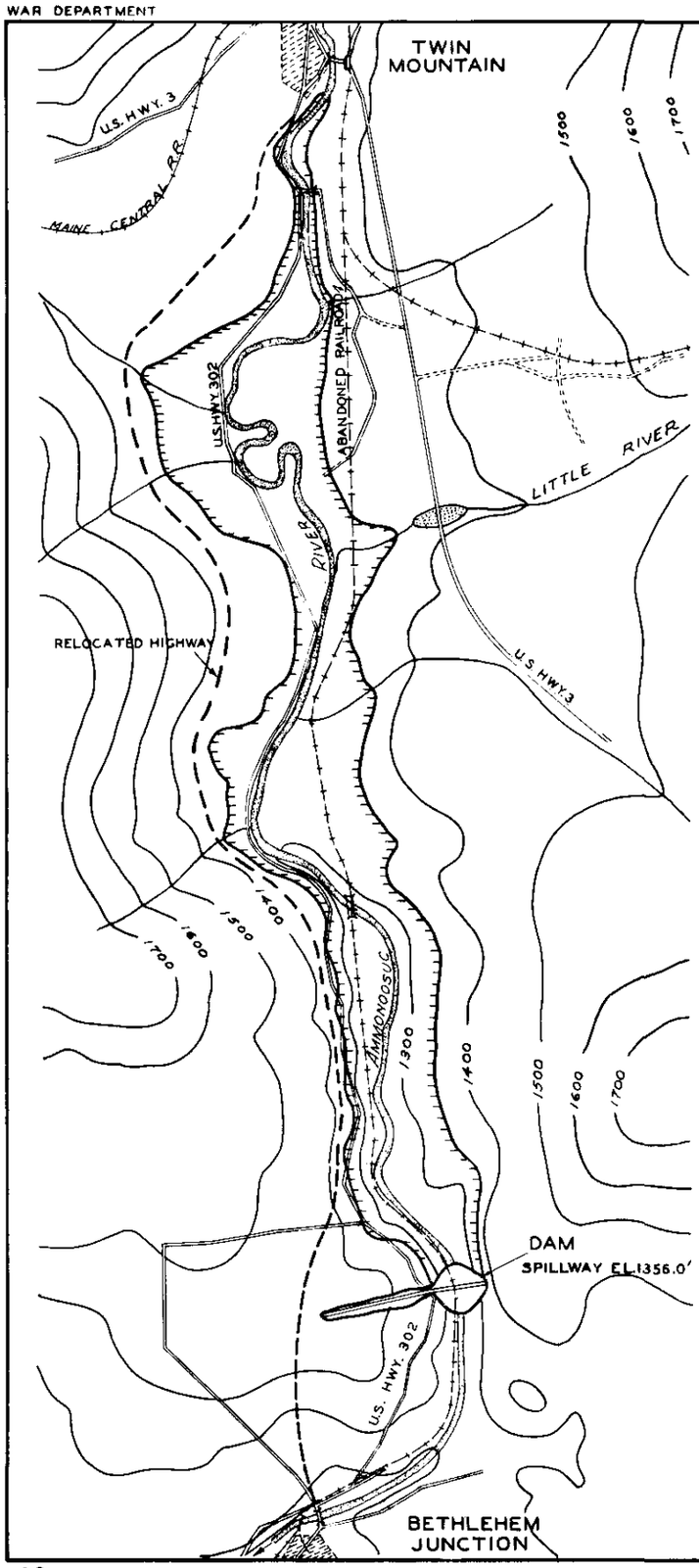




AREA AND CAPACITY CURVES

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: D. P. TRACED BY: P. J. S. CHECKED BY: [illegible]
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-2-1003A



N

CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

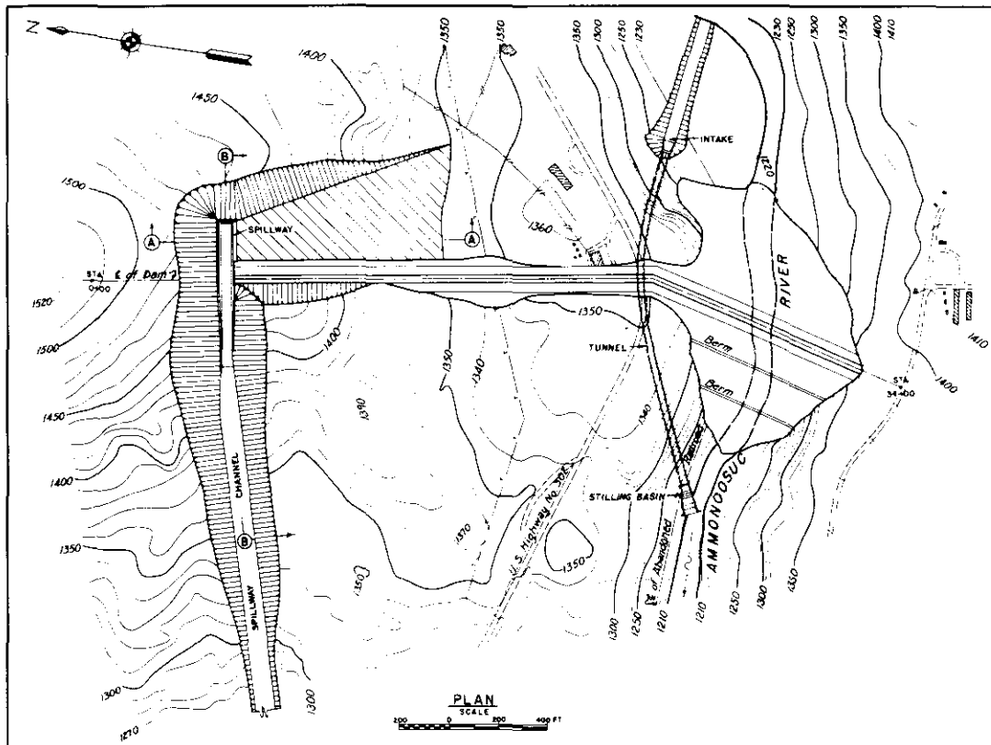
BETHLEHEM JUNCTION DAM NO. 24-A

AMMONOOSUC RIVER, NEW HAMPSHIRE

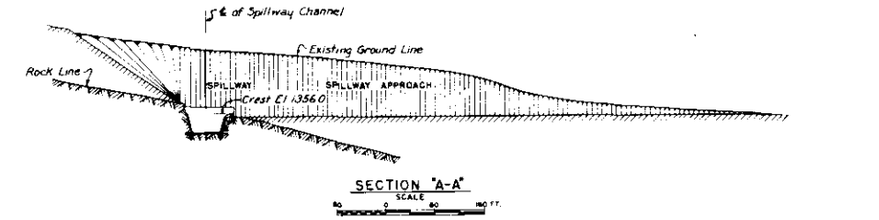
U.S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE
0 1/4 1/2 MI.

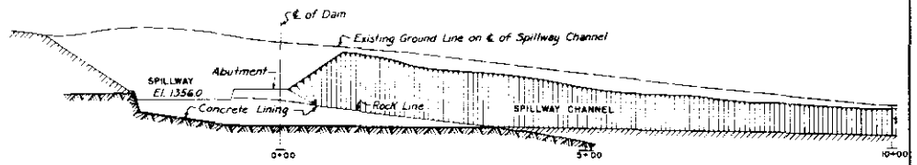
IN 3 SHEETS SHEET NO. 1



PLAN
SCALE
200 0 200 400 FT

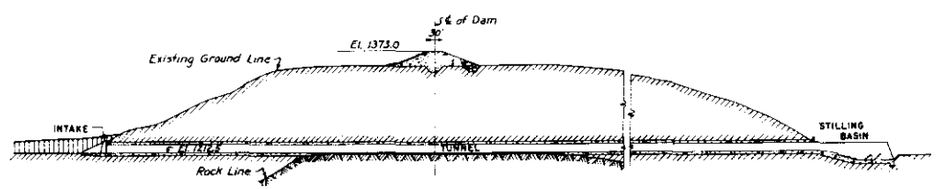


SECTION "A-A"
SCALE
80 0 80 160 FT.

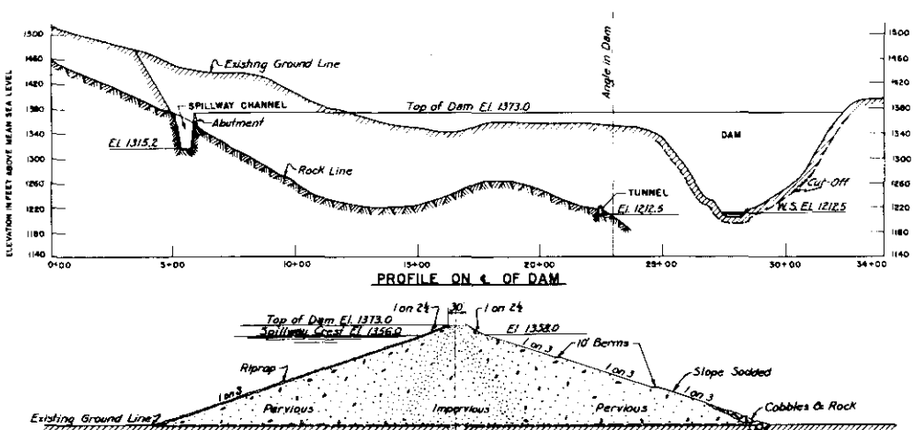


SECTION "B-B"
SCALE
80 0 80 160 FT

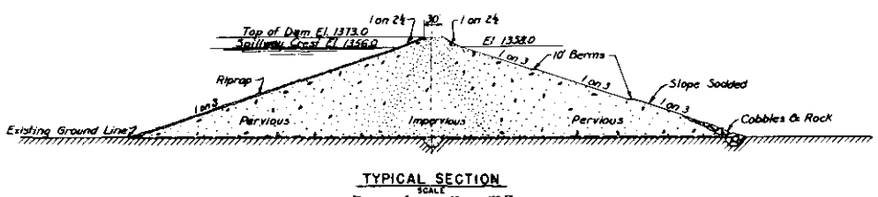
SECTION ON ℄ OF SPILLWAY CHANNEL
SCALE
80 0 80 160 FT.



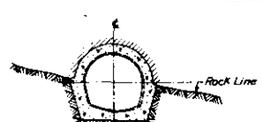
SECTION ON ℄ OF TUNNEL
SCALE
80 0 80 160 FT.



PROFILE ON ℄ OF DAM



TYPICAL SECTION
SCALE
80 0 80 160 FT.



SECTION THROUGH TUNNEL
SCALE
40 0 40 80 FT.

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

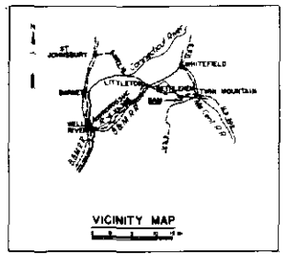
U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

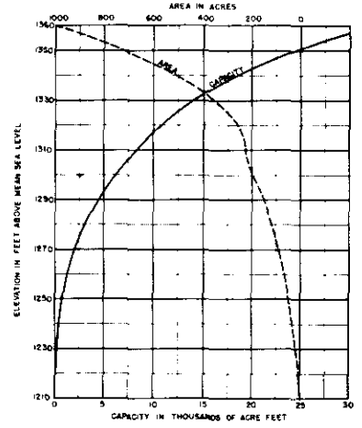
SUBMITTED ENGINEER — APPROVAL RECOMMENDED DIVISION ENGINEER — APPROVED: COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY: R. H. TRACED BY: E. A. CHECKED BY:

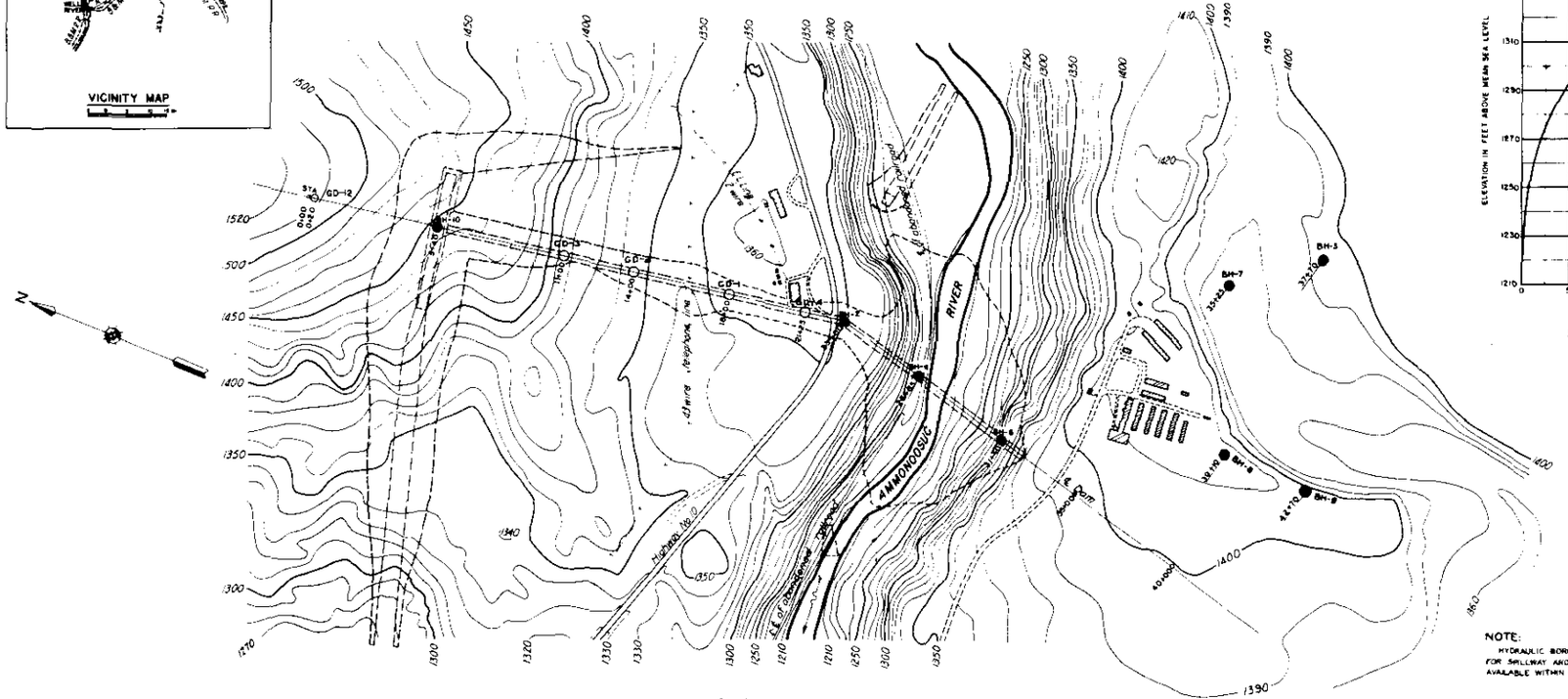
TO ACCOMPANY REPORT DATED MARCH 20-1937

FILE NO. CT-1-1043

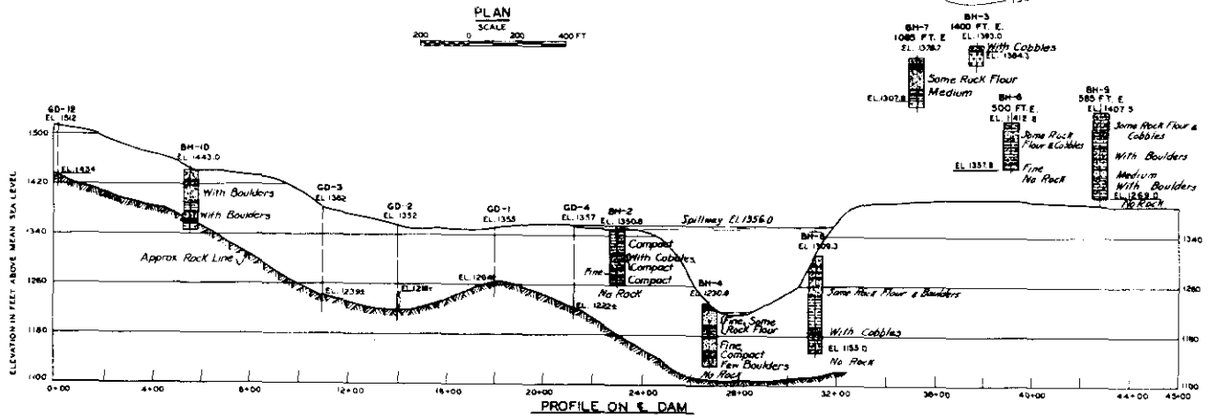




AREA AND CAPACITY CURVES



NOTE:
HYDRAULIC BORROW MATERIAL AVAILABLE FROM EXCAVATIONS FOR SPILLWAY AND OUTLET STRUCTURES, SUPPLEMENTED BY MATERIAL AVAILABLE WITHIN 0.5 MILES.



LEGEND

SAND · SILT OR ROCK FLOUR · CLAY

GRAVEL · GRANITE · WEATHERED OR FRACTURED ROCK

○ GD= GEOPHYSICAL DETERMINATION

● BH= CORE BORE HOLE · METAMORPHIC ROCK

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

BETHLEHEM JUNCTION DAM

NO. 24-A

AMMONOOSUC RIVER, NEW HAMPSHIRE

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

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

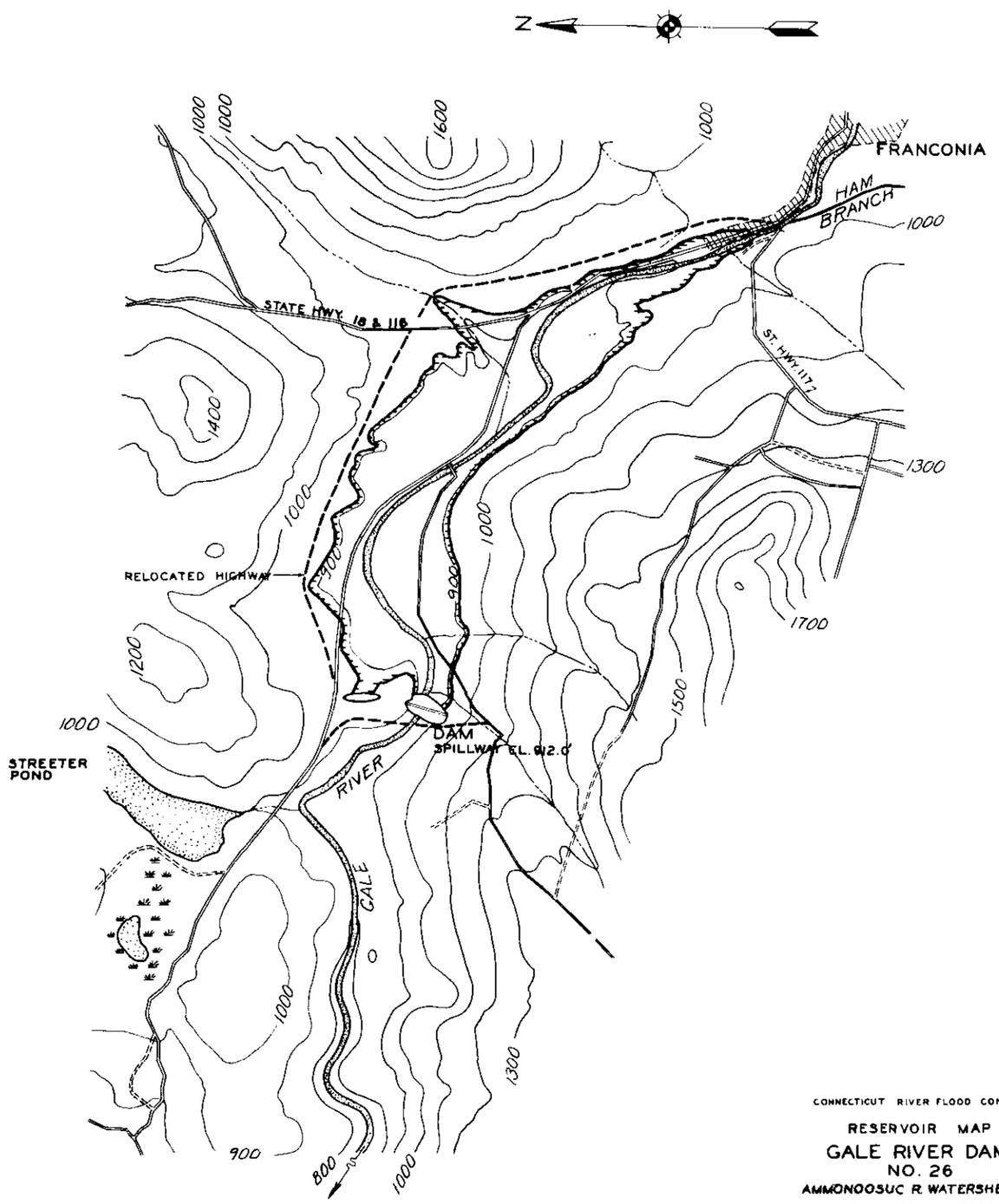
SUBMITTED: GEOLOGIST · RECOMMENDED: PRINCIPAL ENGINEER · APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY J.E.P. TRACED BY H.W.J. CHECKED BY J.W.R.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-2-1018

SEC. 4 - PLATE NO. 69



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

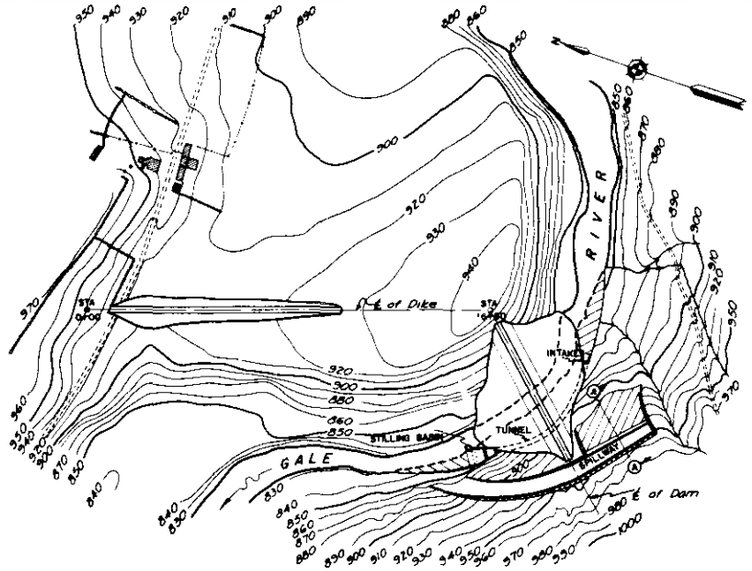
GALE RIVER DAM
NO. 26

AMMONOOSUC R. WATERSHED, N.H.

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

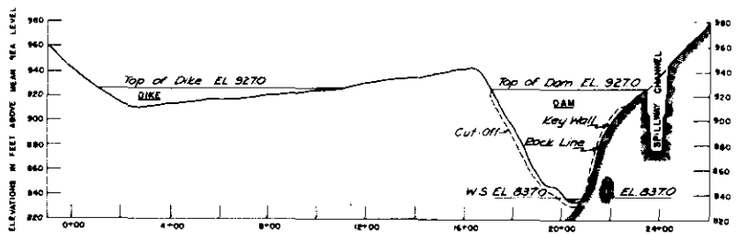
SCALE
0 1/2 1/2 MI.

IN 3 SHEETS SHEET NO. 1

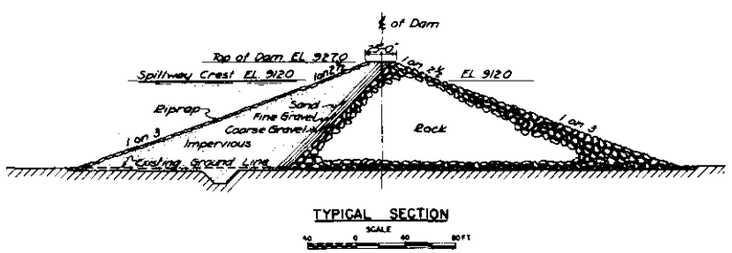


PLAN OF DAM

SCALE 800 0 800 400 FT.

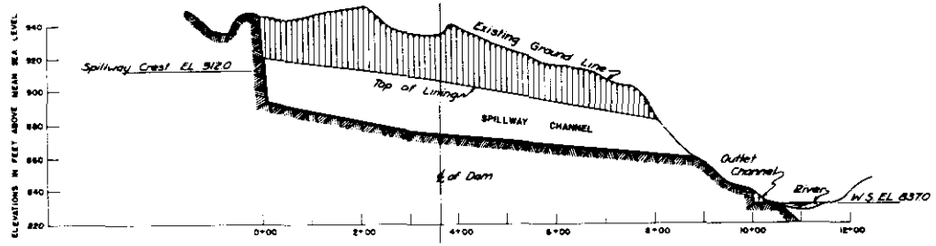


PROFILE ON ℄ OF DAM

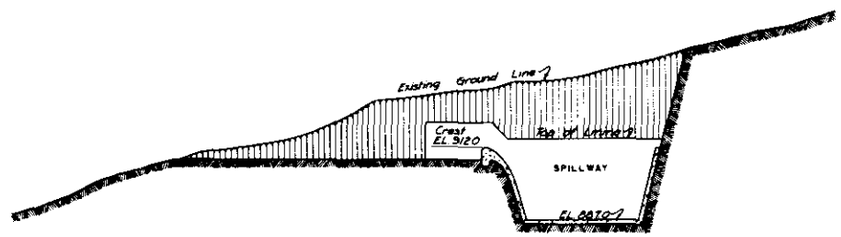


TYPICAL SECTION

SCALE 40 0 40 80 FT.

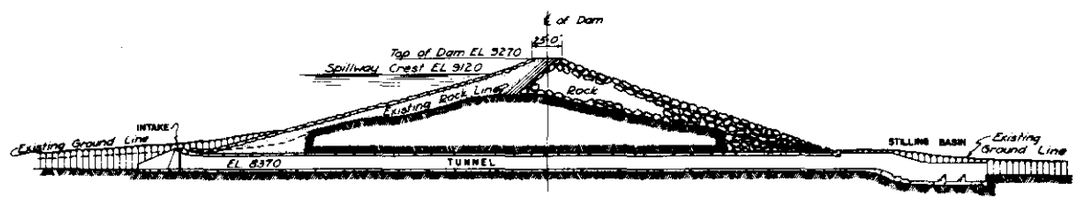


PROFILE ON ℄ OF SPILLWAY CHANNEL



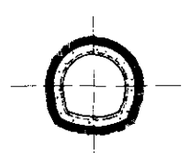
SECTION "A-A"

SCALE 50 0 50 100 FT.



SECTION ON ℄ OF TUNNEL

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: [signature] ENGINEER

RECOMMENDED: [signature] DIVISION ENGINEER

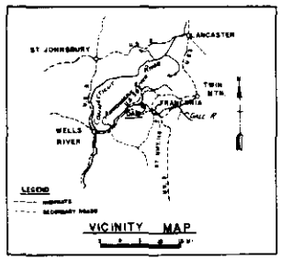
APPROVED: [signature] LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY E. H. | TRACED BY K.E.S. | CHECKED BY [signature]

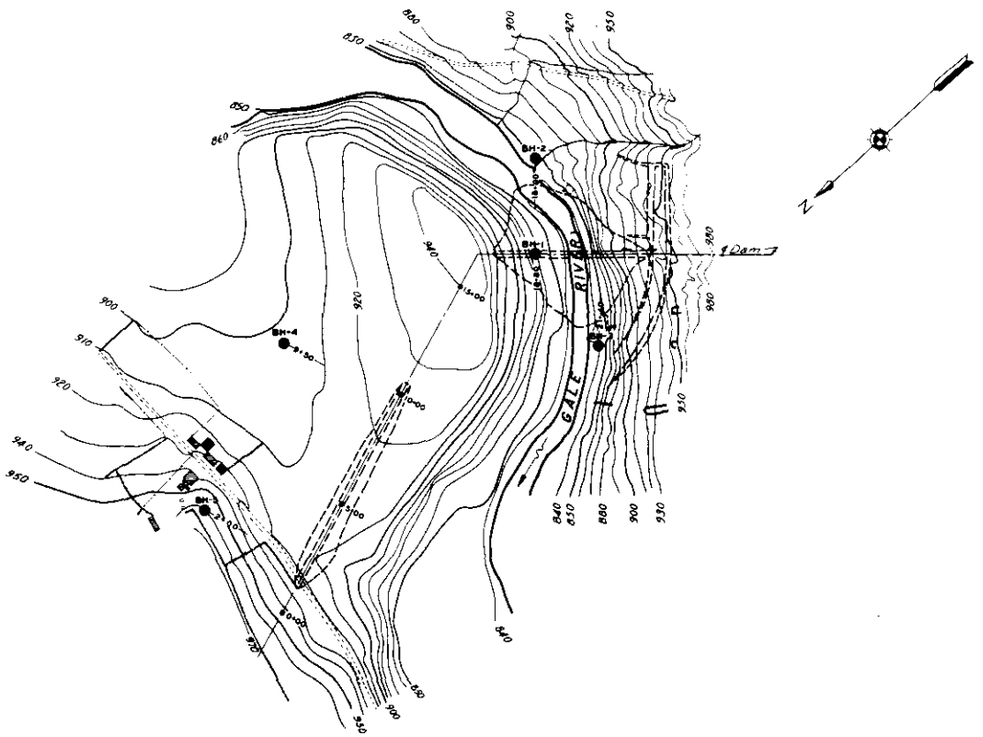
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-1-1045

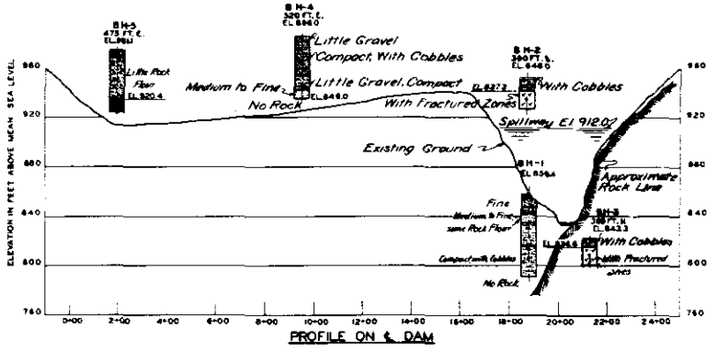
SEC. 4 - PLATE NO. 71



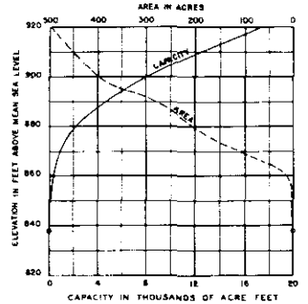
VICINITY MAP



PLAN



PROFILE ON ℄ DAM



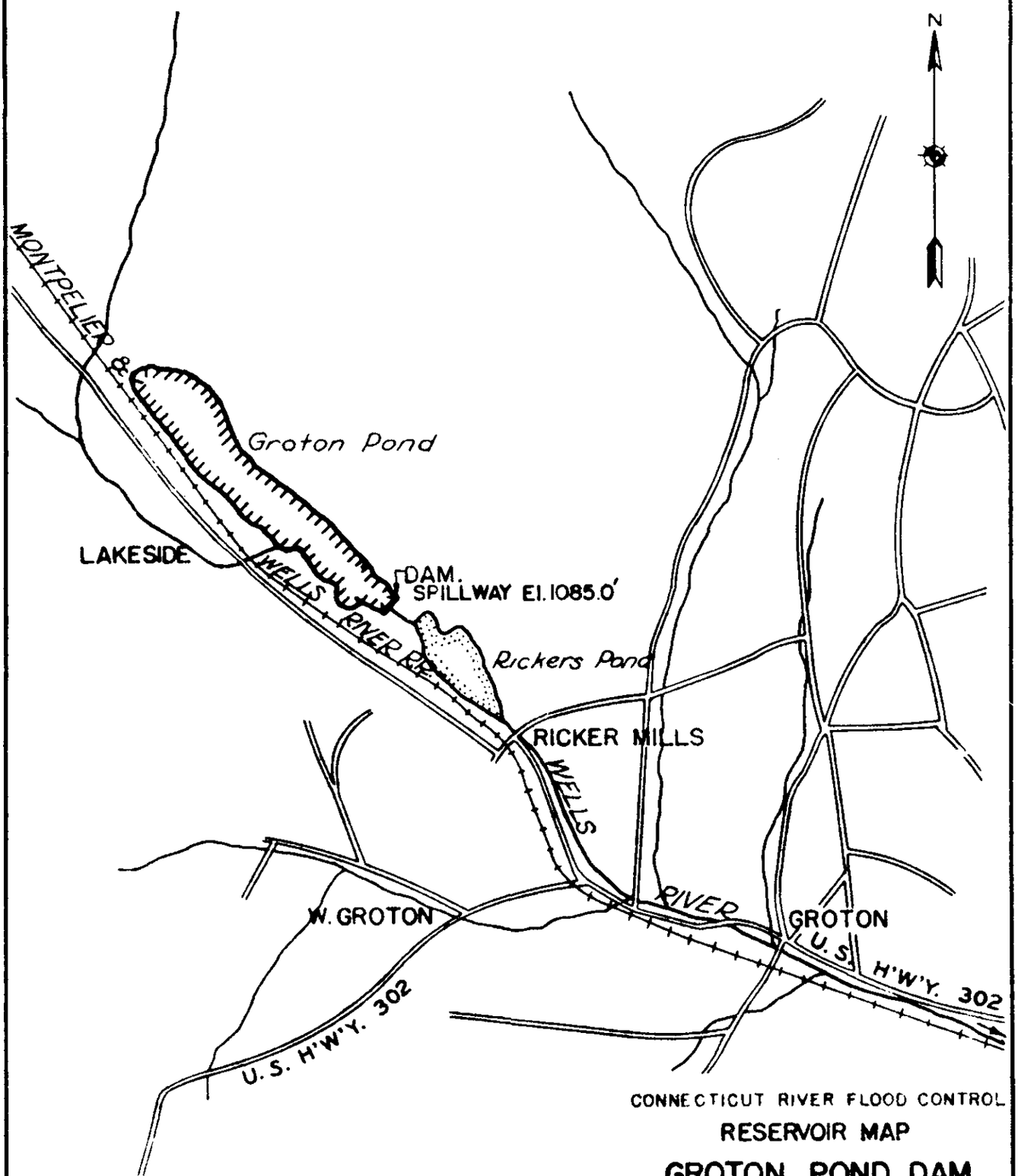
AREA AND CAPACITY CURVES

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 AS SHOWN | SHEET NO. 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED | APPROVED
DRAWN BY R.A.B.
TRACED BY V.A.T.
CHECKED BY J.H.B.
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO CT-2-1019



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

GROTON POND DAM

NO. 27-A

WELLS RIVER, VERMONT

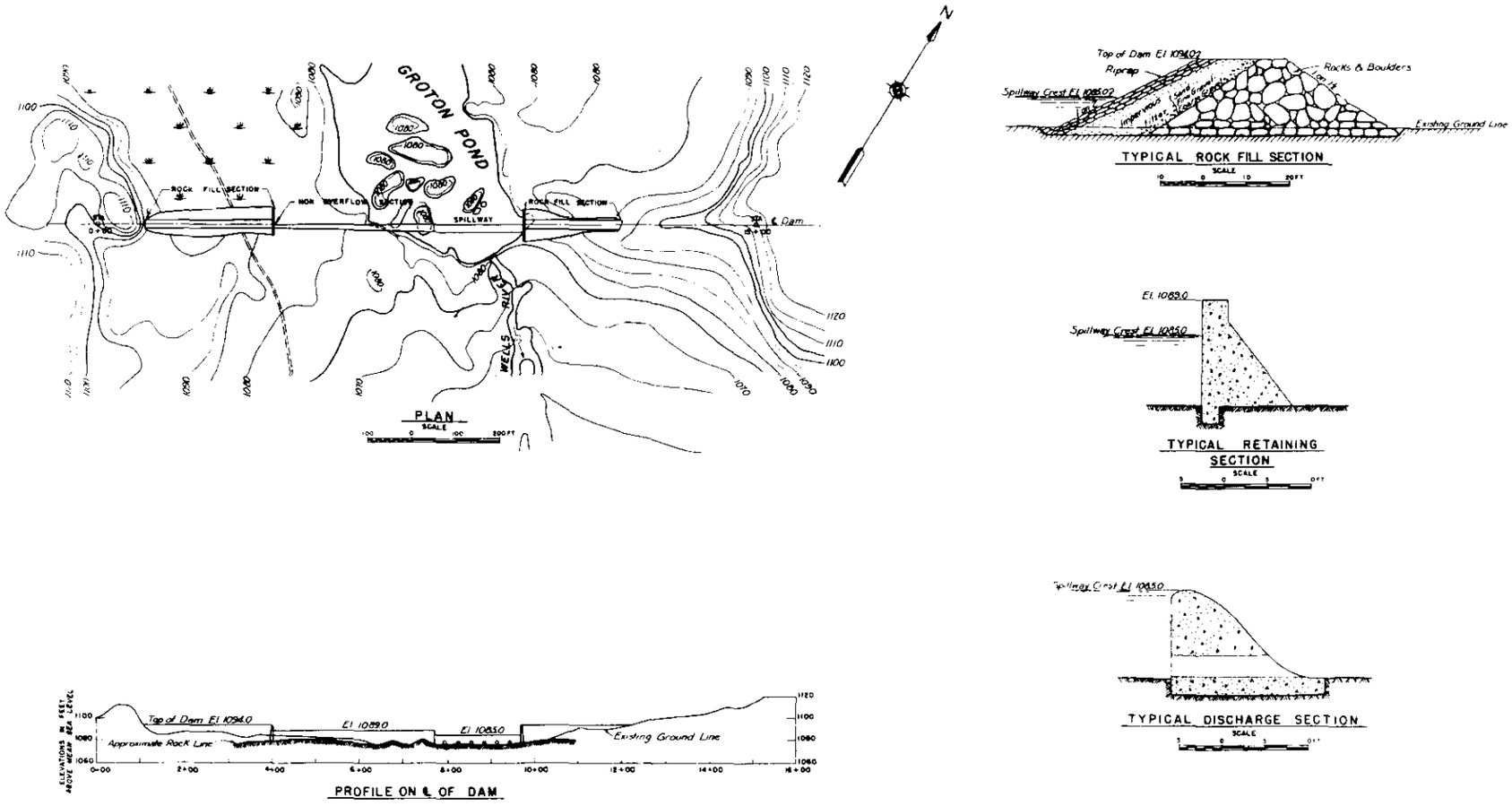
U.S. ENGINEER OFFICE

PROVIDENCE, R. I.

SCALE

0 1 2 MI.

IN 3 SHEETS SHEET NO. 1



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

GROTON POND DAM

NO. 27-A

WELLS RIVER, VERMONT.

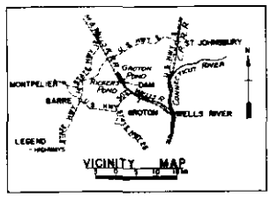
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 2

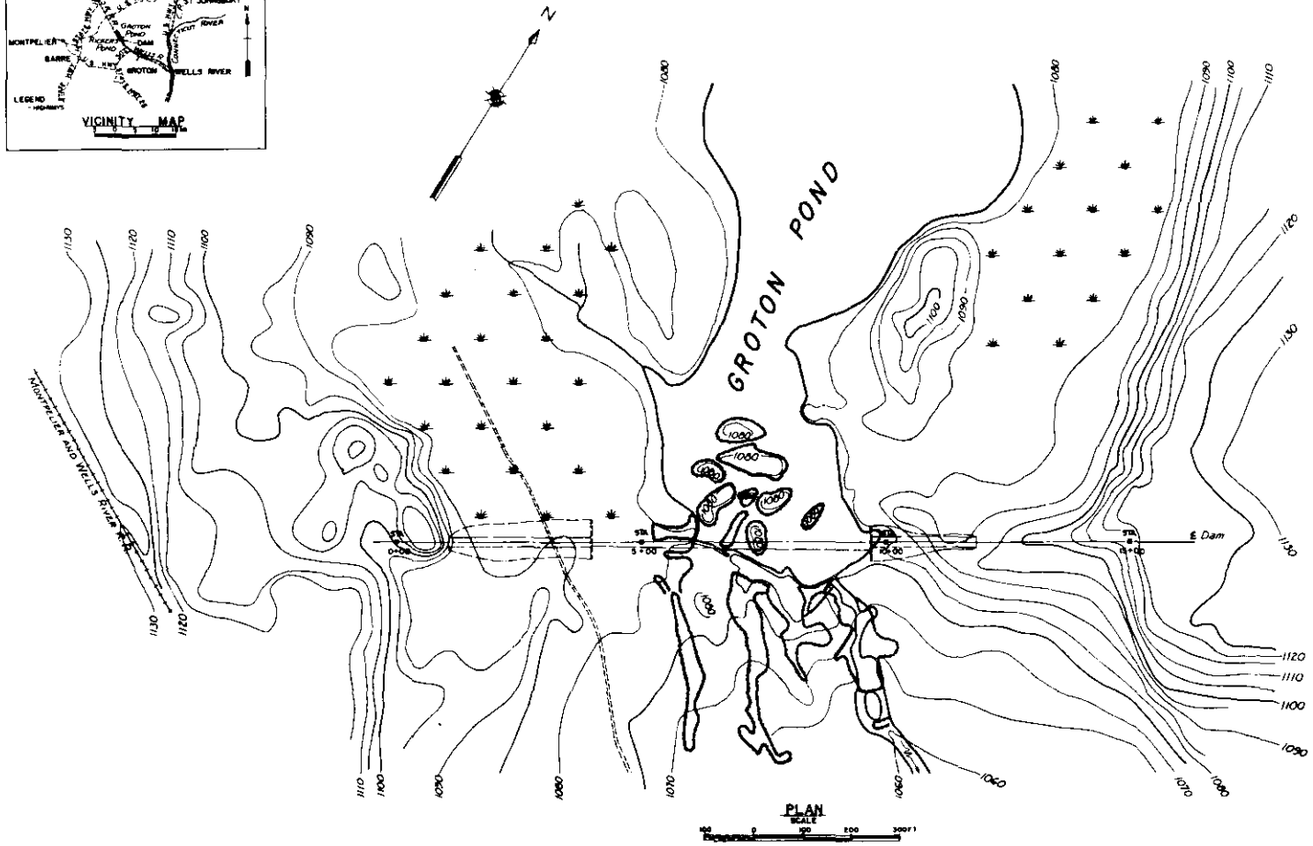
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

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

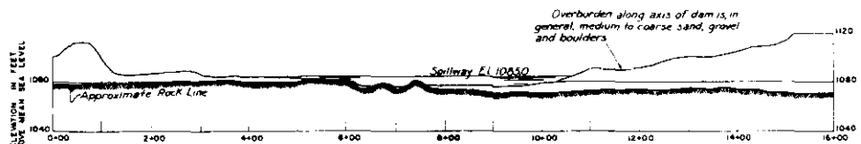
DRAWN BY P.O.M. TRACED BY E.G. CHECKED BY [illegible] | TO ACCOMPANY REPORT DATED MARCH 30, 1937 | FILE NO. CT-1-1010A

SEC. 4 - PLATE NO. 74



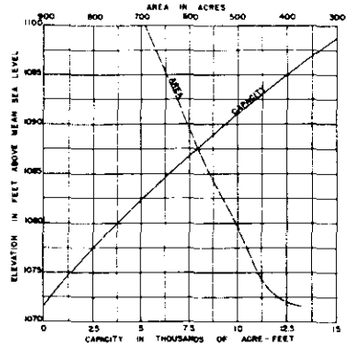


PLAN
SCALE



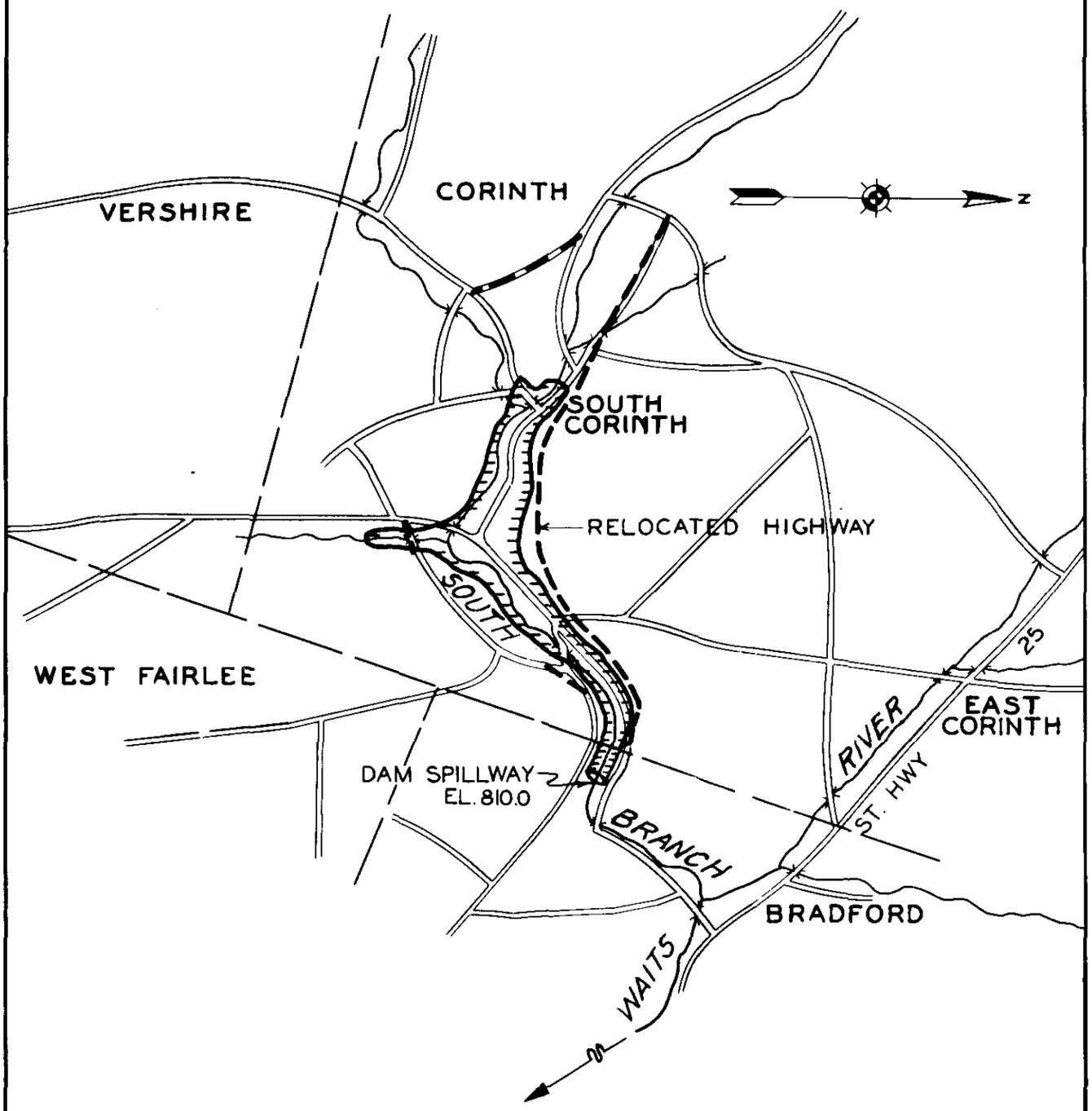
PROFILE ON ℄ DAM

LEGEND
ROCK OUT-CROP (MASSIVE GRANITE)



AREA AND CAPACITY CURVES

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: Frank E. Fahlquist, GEOLOGIST
APPROVAL RECOMMENDED: Lawrence E. Rodgers, PRINCIPAL ENGINEER
APPROVED: Wyman J. Young, LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY: D.P.
TRACED BY: C.G.
CHECKED BY: J.A.B.
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-2-1004A



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

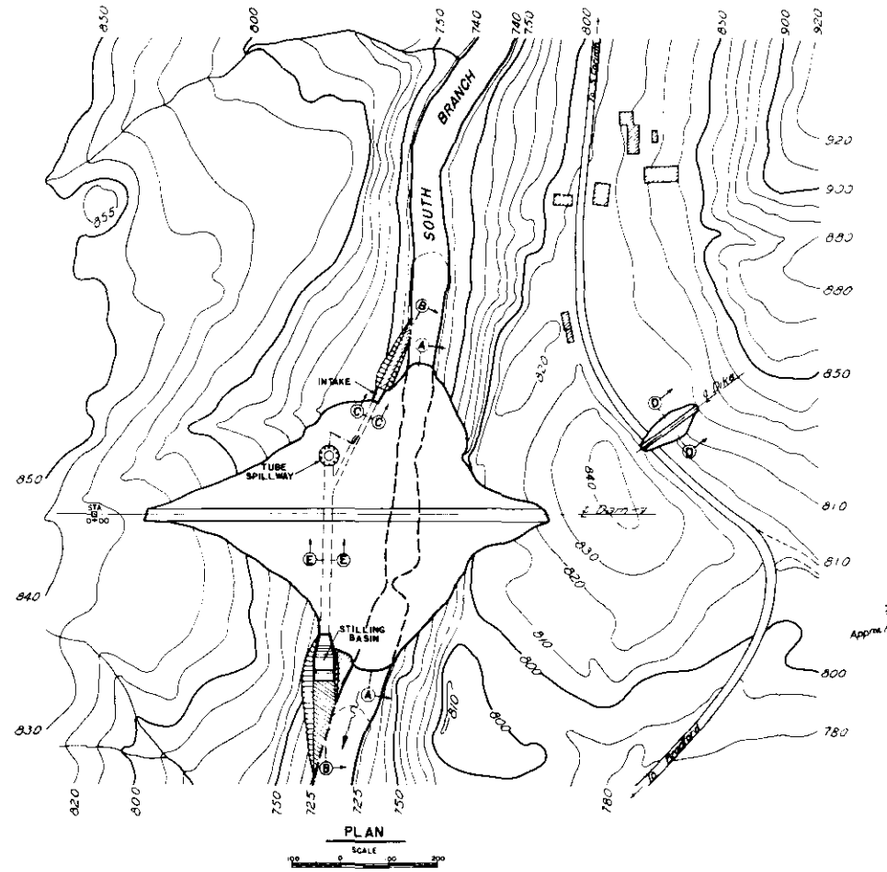
SOUTH BRANCH DAM NO. 28-A

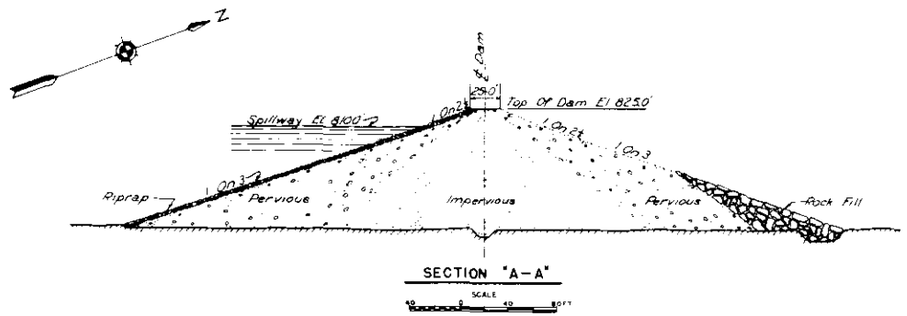
WAITS R. WATERSHED, VT.

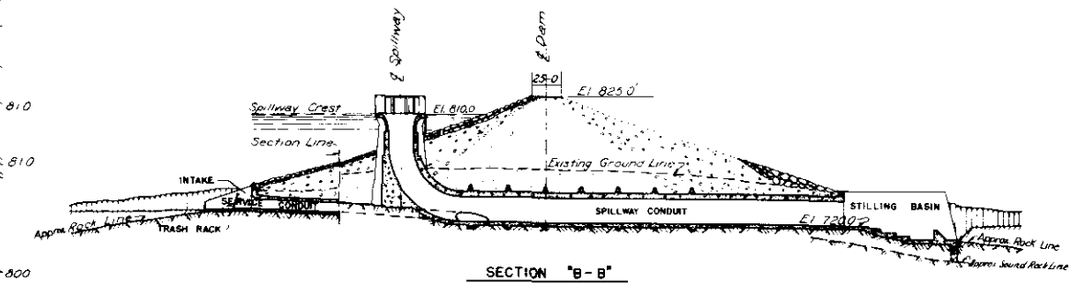
U.S. ENGINEER OFFICE
PROVIDENCE, R. I.

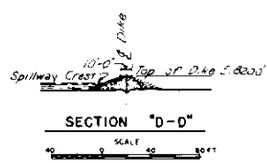
SCALE
0 1 2MI.

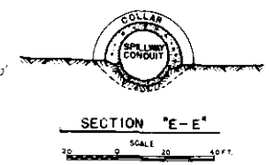
IN 3 SHEETS SHEET NO. 1

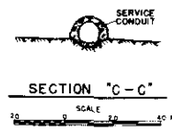


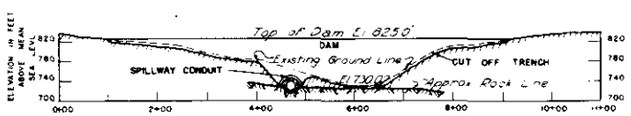


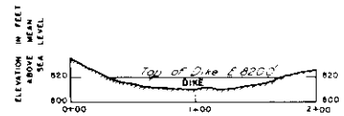












CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

SOUTH BRANCH DAM

NO 28-A

WAITS RIVER WATERSHED, VERMONT

IN 3 SHEETS	SCALE AS SHOWN	SHEET NO. 2

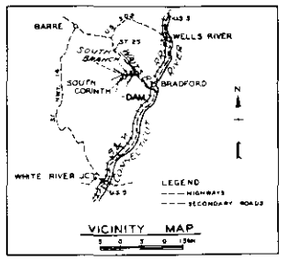
U.S. ENGINEER OFFICE PROVIDENCE, R.I., MAR. 1937

SUBMITTED	APPROVAL RECOMMENDED	APPROVED
ENGINEER	PRINCIPAL ENGINEER	DIV. ENGINEER, CORPS OF ENGINEERS, U.S. ARMY

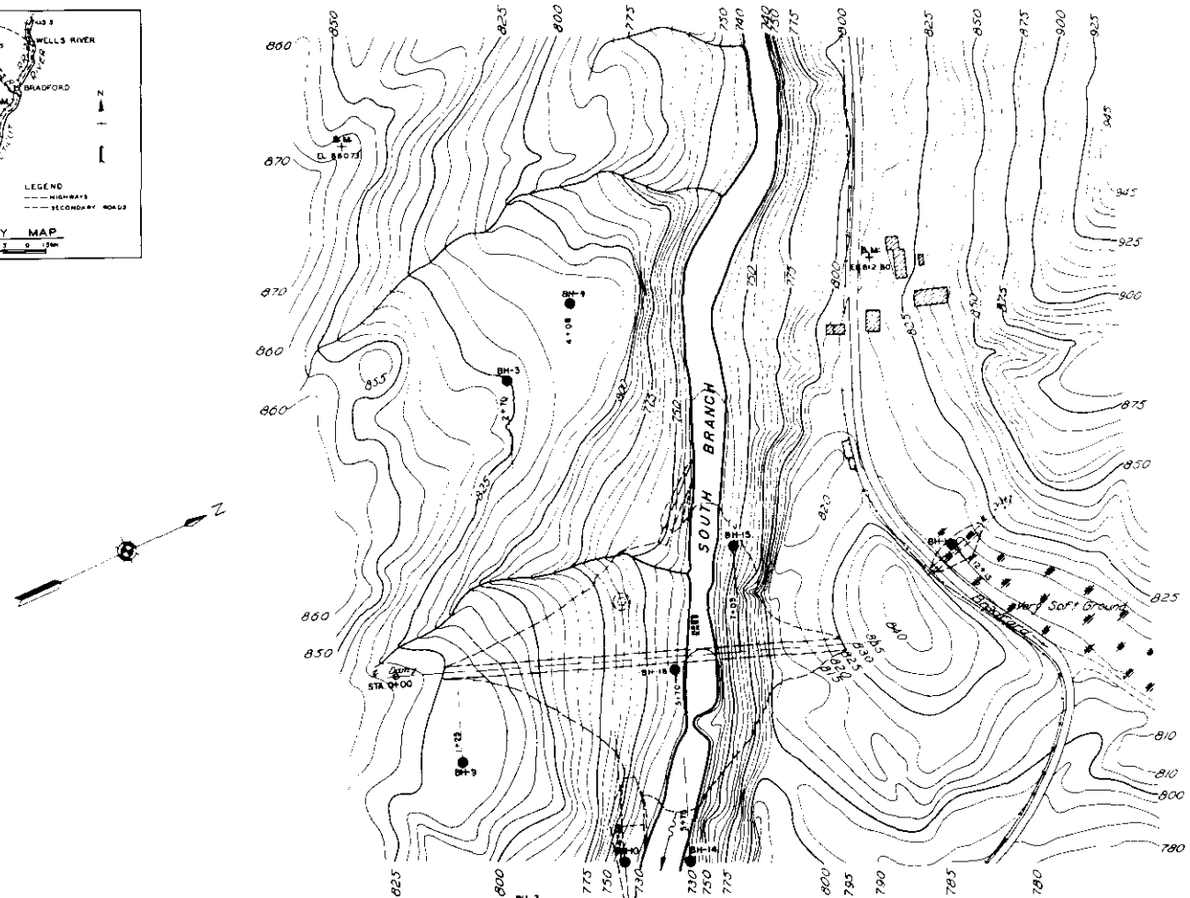
DRAWN BY F.D.G.M. TRACED BY P.J.C. CHECKED BY S.D.M.	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO CT-1-1047

WAR DEPARTMENT

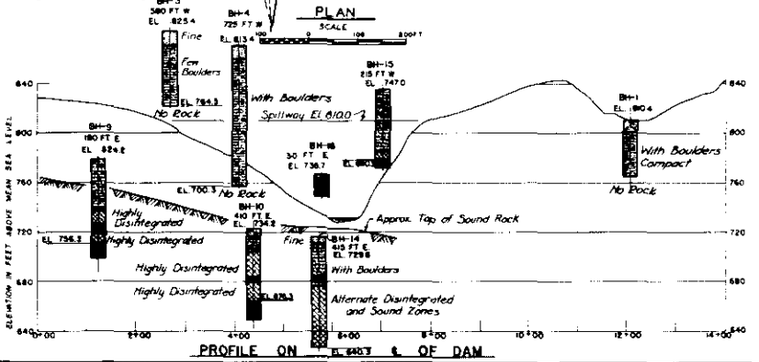
CORPS OF ENGINEERS, U.S. ARMY



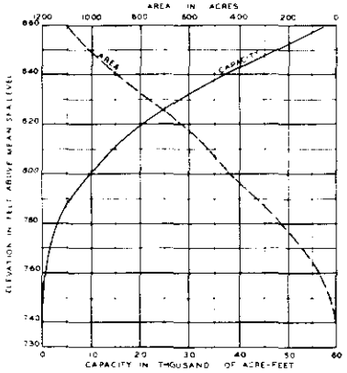
VICINITY MAP



PLAN



PROFILE ON ℄ OF DAM



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 A CORE BORING

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

SOUTH BRANCH DAM

NO. 28-A

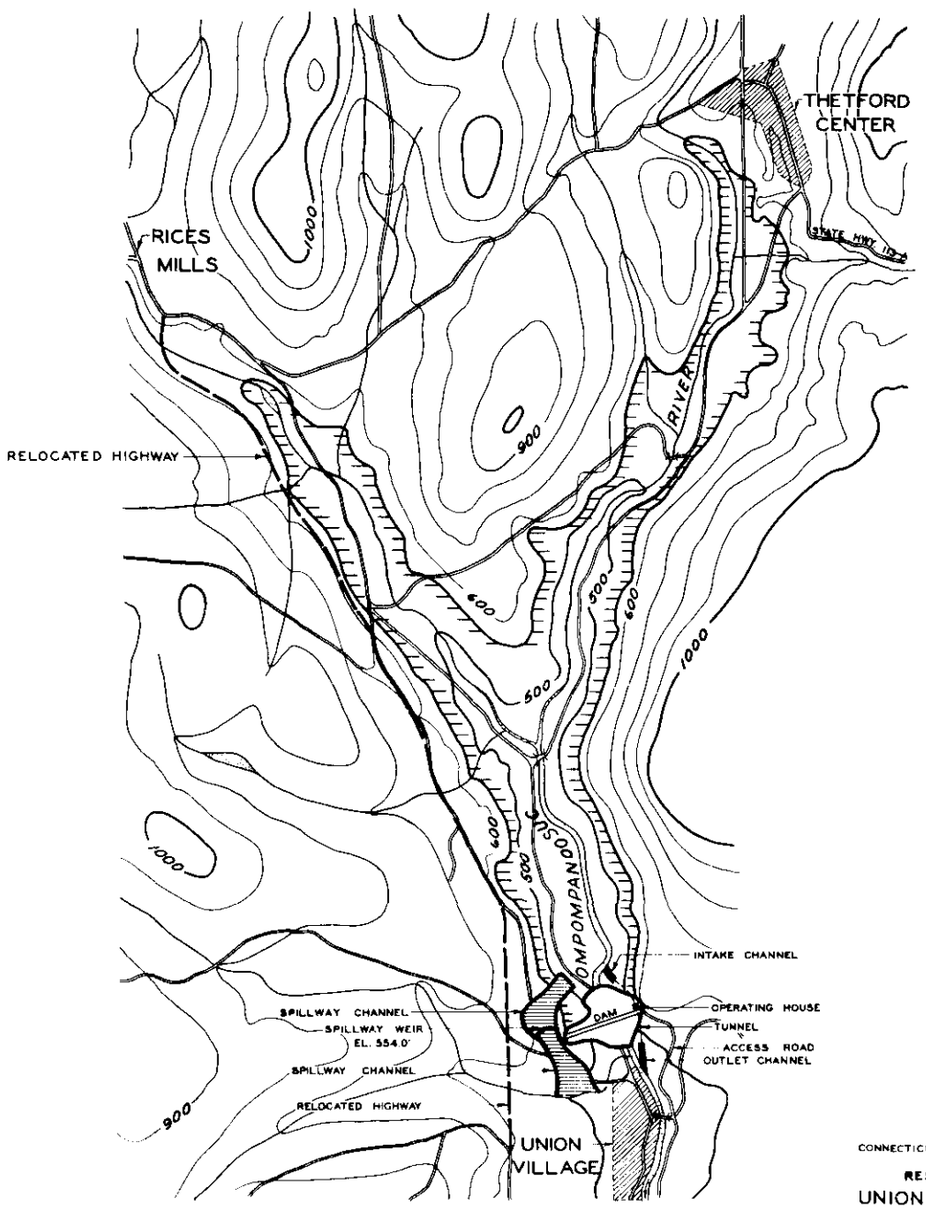
WAITS RIVER WATERSHED, VERMONT

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. TRACED BY P.J.B. CHECKED BY J.W.B. — TO ACCOMPANY REPORT DATED MARCH 30, 1937 — FILE NO. CT-2-1020



CONNECTICUT RIVER FLOOD CONTROL

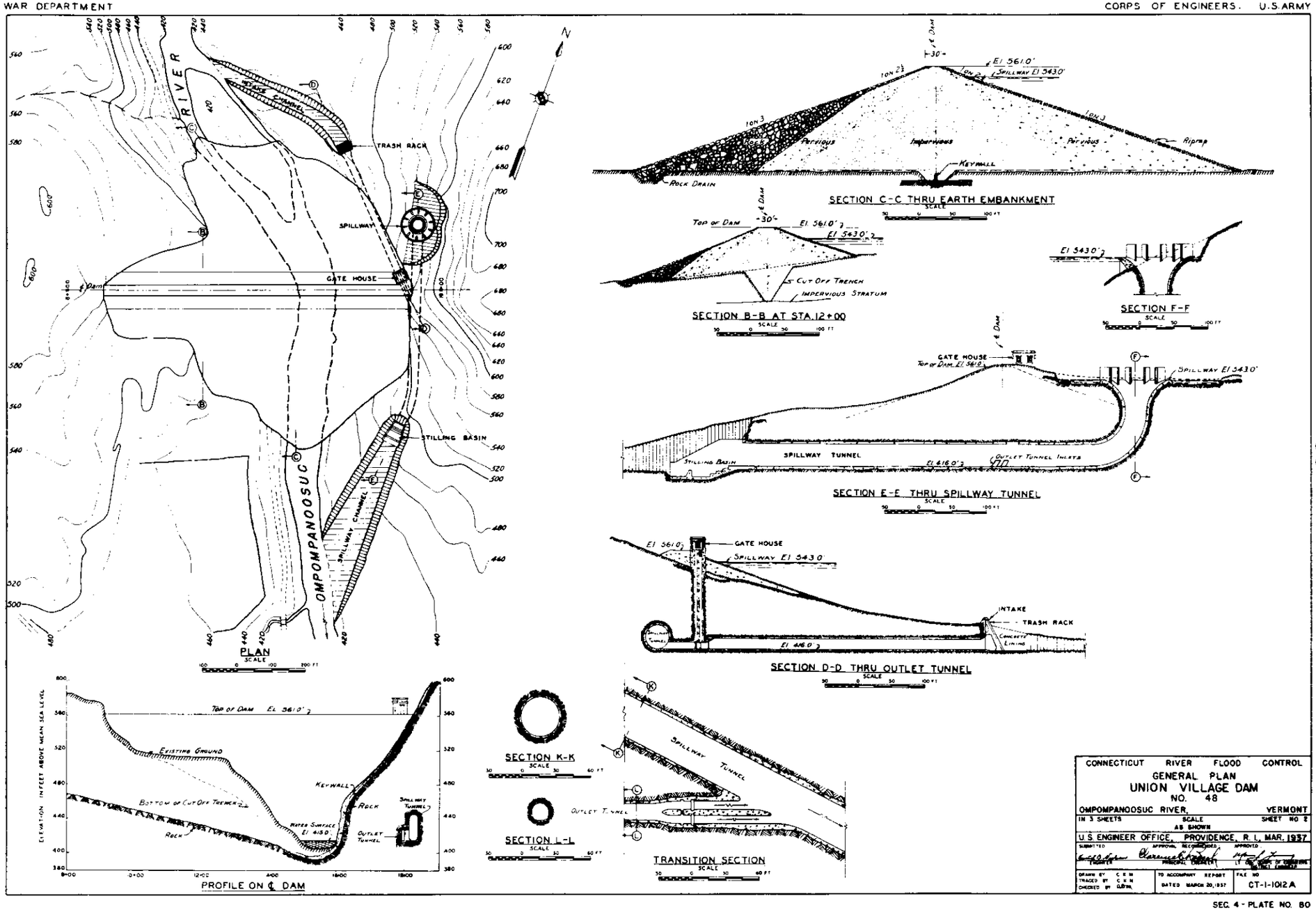
RESERVOIR MAP

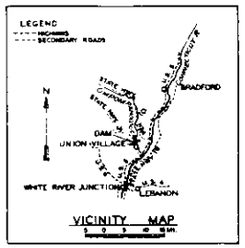
UNION VILLAGE DAM NO. 48

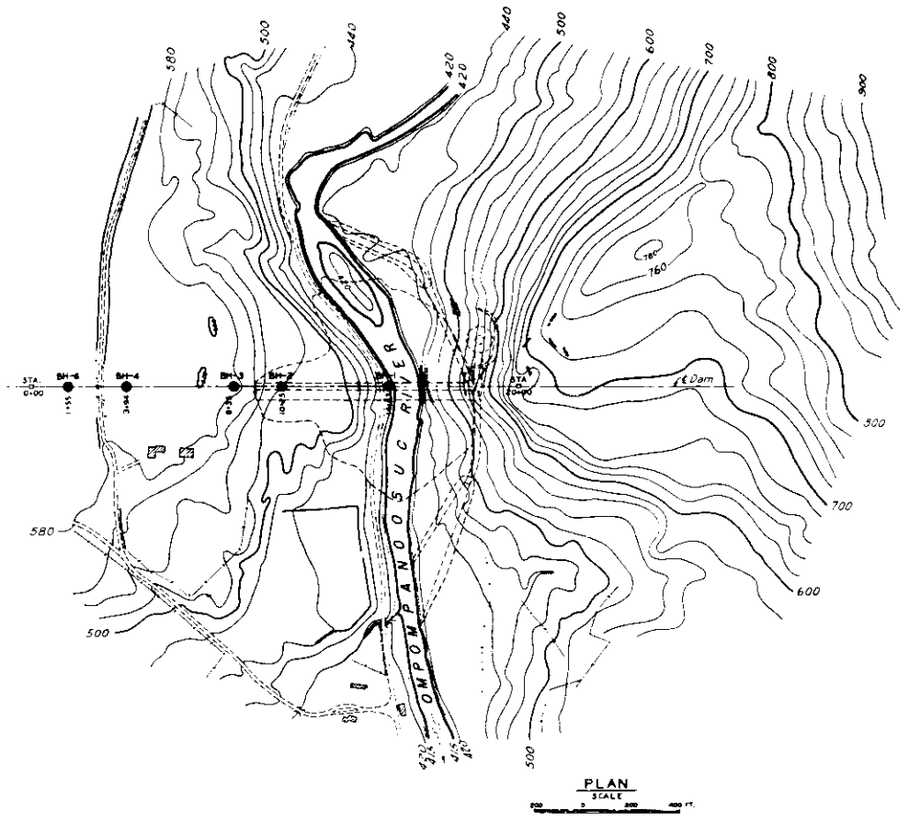
OMPOMPANOOSUC R., VERMONT

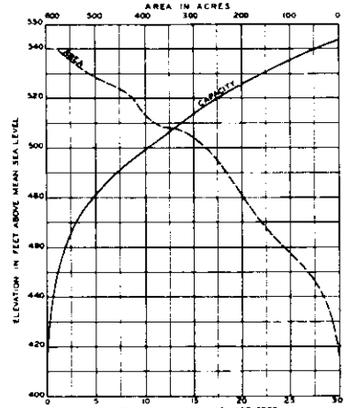
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.

SCALE
0 1/4 1/2 MI.


PLAN
SCALE
OMPOMPANOOSUC RIVER
INTAKE CHANNEL
TRASH RACK
SPILLWAY
GATE HOUSE
STILLING BASIN
SPILLWAY CHANNEL
PROFILE ON ℄ DAM
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
TOP OF DAM EL 561.0'
EXISTING GROUND
BOTTOM OF CUT OFF TRENCH
KEYWALL
ROCK
WATER SURFACE EL 415.0'
OUTLET TUNNEL
SPILLWAY TUNNEL
SECTION K-K
SECTION L-L
TRANSITION SECTION
SPILLWAY TUNNEL
OUTLET TUNNEL
SECTION C-C THRU EARTH EMBANKMENT
EL 561.0'
SPILLWAY EL 543.0'
Pervious
Impervious
Riprap
KEYWALL
ROCK DRAIN
SECTION B-B AT STA. 12+00
TOP OF DAM
EL 561.0'
EL 543.0'
CUT OFF TRENCH
IMPERVIOUS STRATUM
SECTION F-F
EL 543.0'
SECTION E-E THRU SPILLWAY TUNNEL
GATE HOUSE
TOP OF DAM EL 561.0'
SPILLWAY EL 543.0'
SPILLWAY TUNNEL
STILLING BASIN
EL 416.0'
OUTLET TUNNEL INLETS
SECTION D-D THRU OUTLET TUNNEL
EL 561.0'
GATE HOUSE
SPILLWAY EL 543.0'
INTAKE
TRASH RACK
CONCRETE LINING
EL 416.0'
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
APPROVAL RECOMMENDED
APPROVED
ENGINEER
PRINCIPAL ENGINEER
LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY C.K.M.
TRACED BY C.K.M.
CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO CT-1-1012A

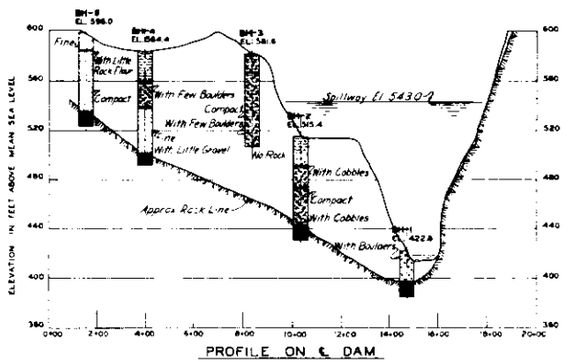




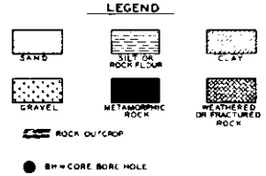


AREA AND CAPACITY CURVES

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



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: Frank E Bailey, GEOLOGIST

APPROVED: Thomas M. Robbins, PRINCIPAL ENGINEER

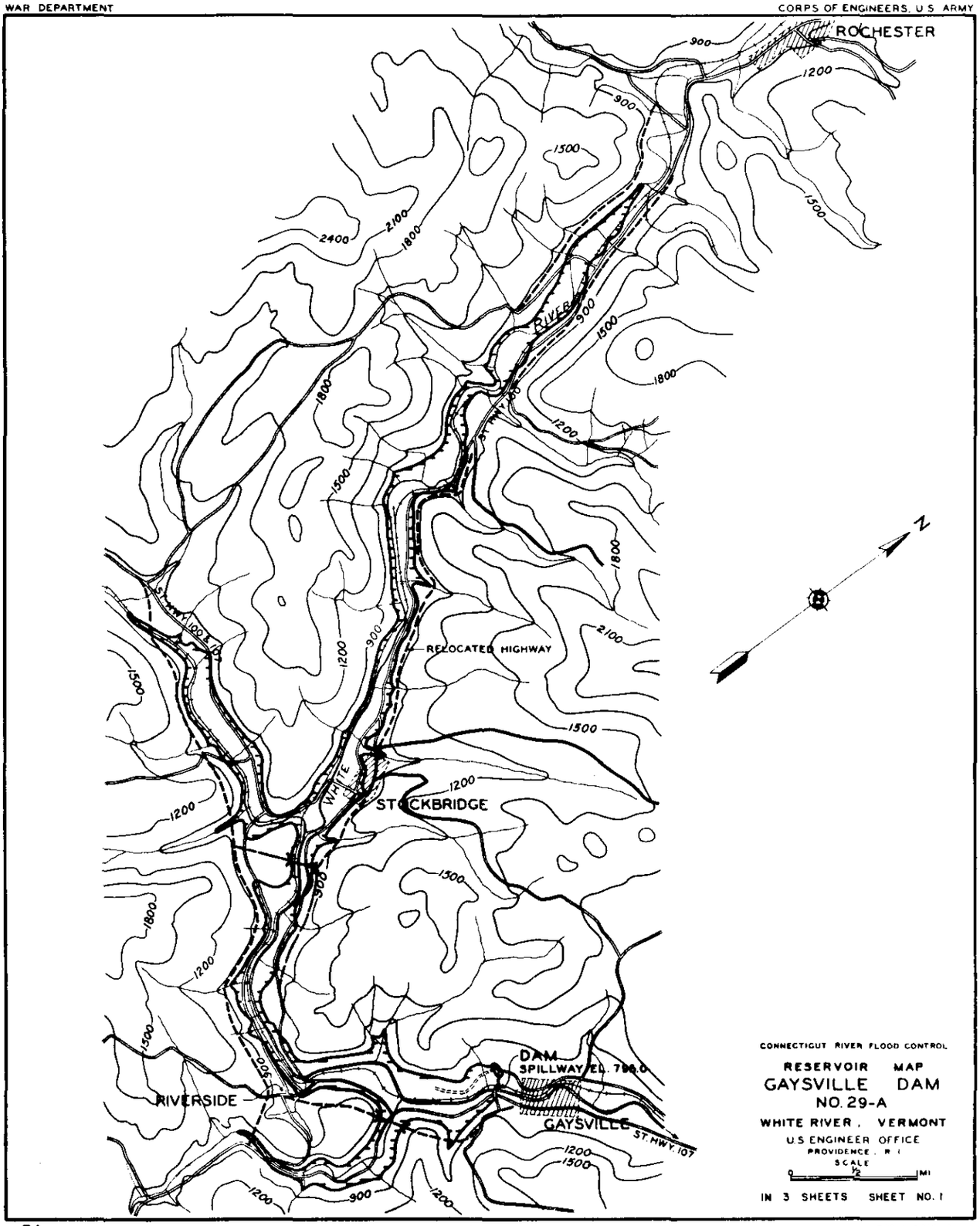
APPROVED: Wm. D. Crawford, Jr., COLONEL, CORPS OF ENGINEERS, DIVISION ENGINEER

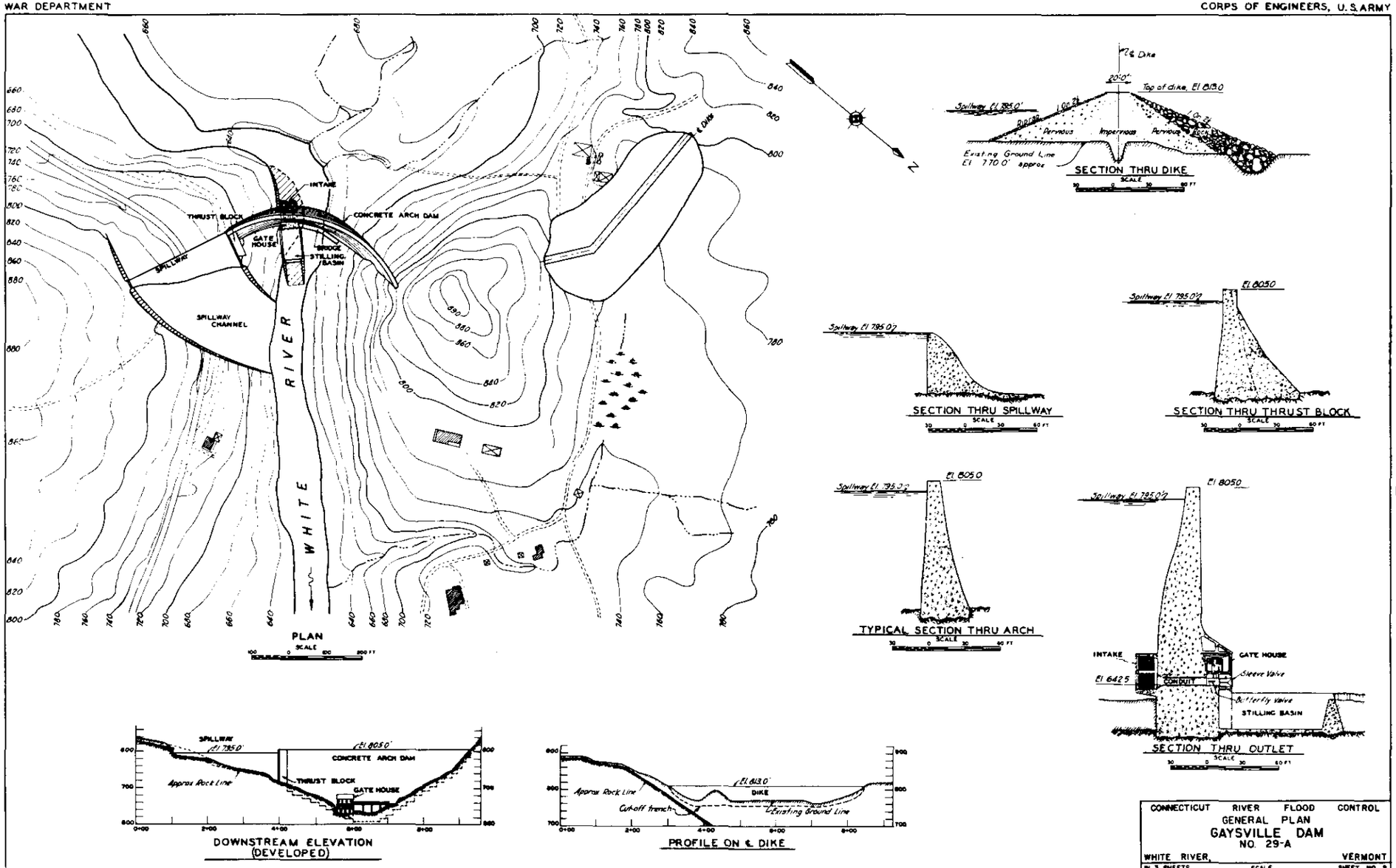
DRAWN BY D.P. TRACED BY J.C. CHECKED BY J.H.B.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

CT-2-1005A

SEC 4 - PLATE NO. 81


ROCHESTER
900
1200
1500
2400
2100
1800
RIVER
ST. HWY. 100
RELOCATED HIGHWAY
WHITE
STOCKBRIDGE
DAM
SPILLWAY EL. 790.0
RIVERSIDE
GAYSVILLE
ST. HWY. 107
N
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
GAYSVILLE DAM
NO. 29-A
WHITE RIVER, VERMONT
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
½ MI
IN 3 SHEETS SHEET NO. 1



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

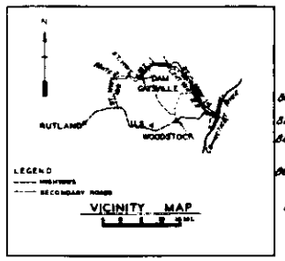
SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

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

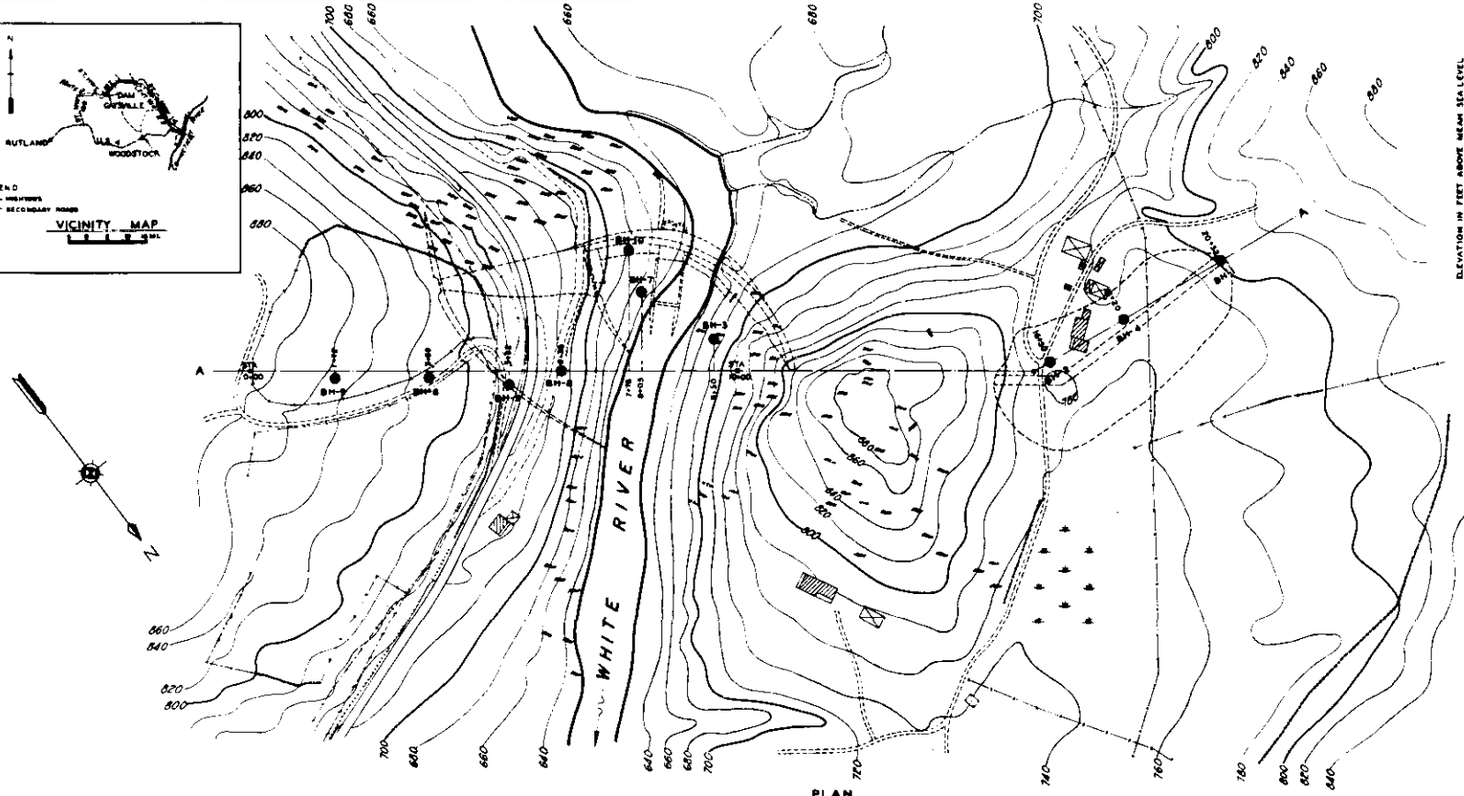
SEC. 4 - PLATE NO. 83

WAR DEPARTMENT

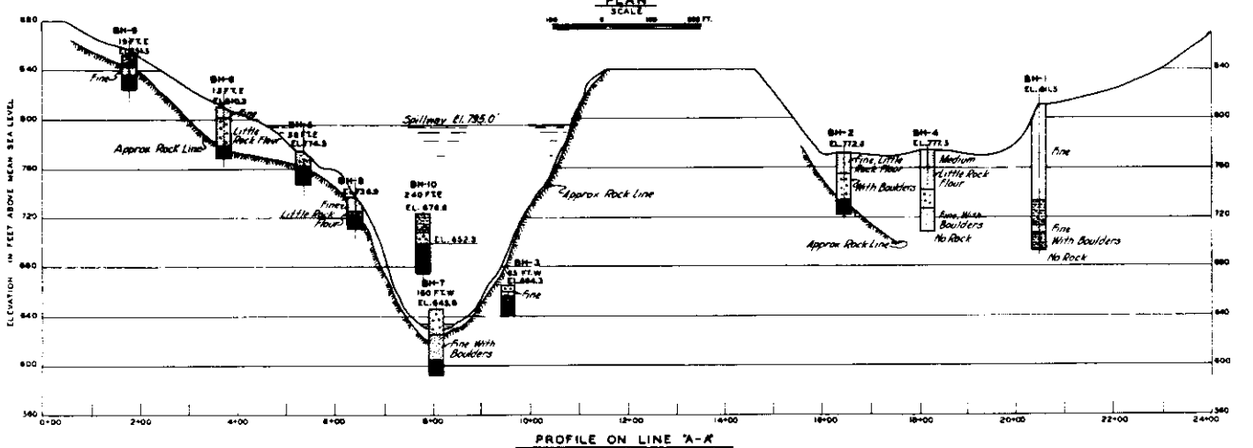
CORPS OF ENGINEERS, U. S. ARMY



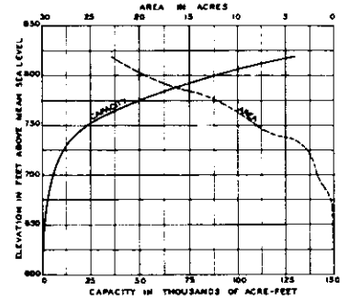
VICINITY MAP



PLAN



PROFILE ON LINE "A-A"



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.

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

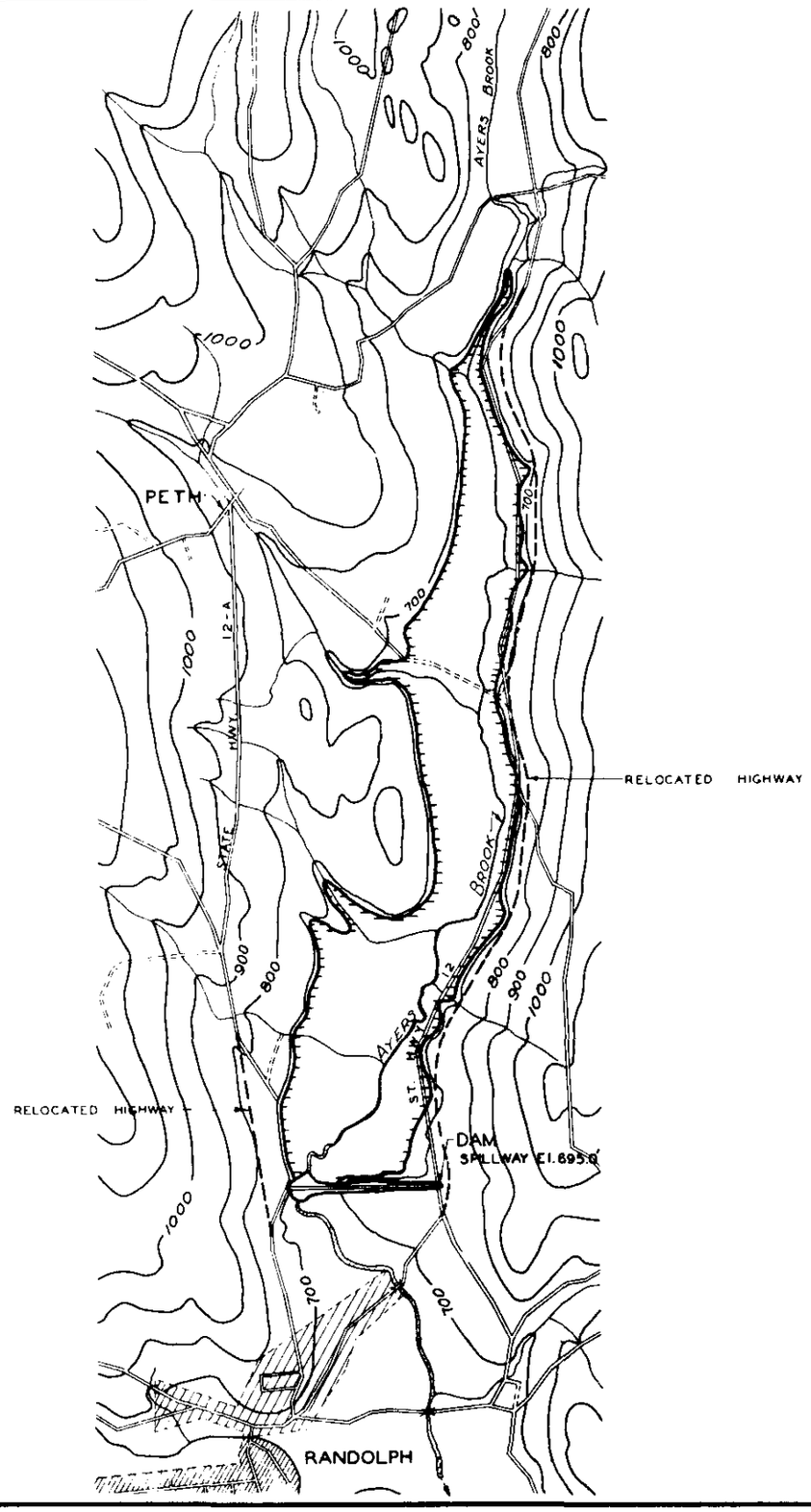
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 3

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

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

DRAWN BY O.P. TRACED BY E.G.P. CHECKED BY J.W.S. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-2-1006A

SEC. 4 - PLATE NO. 84



N

CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

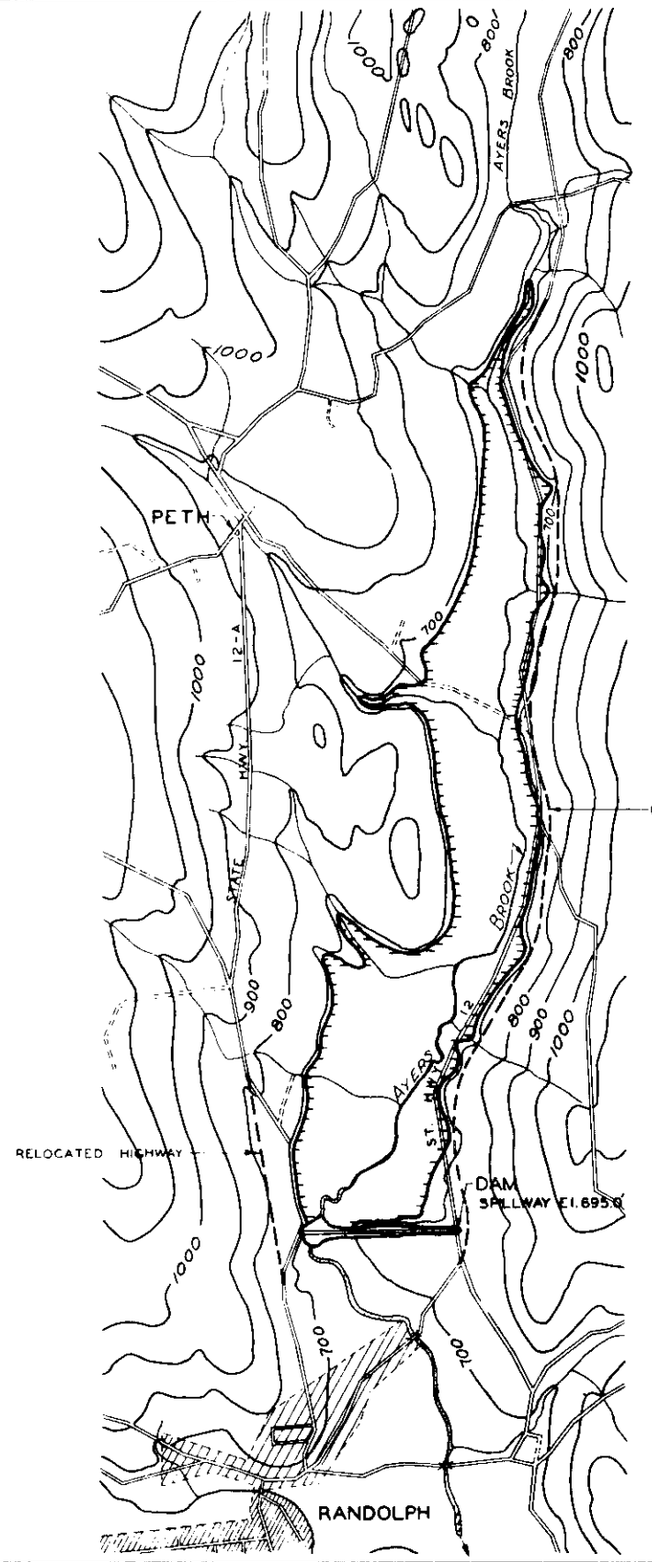
AYERS BROOK DAM
NO 30-A

WHITE RIVER WATERSHED, VERMONT.

U.S ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE
0 1/4 1/2 MI

IN 3 SHEETS SHEET NO. 1



N

CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

AYERS BROOK DAM
NO 30-A

WHITE RIVER WATERSHED, VERMONT.

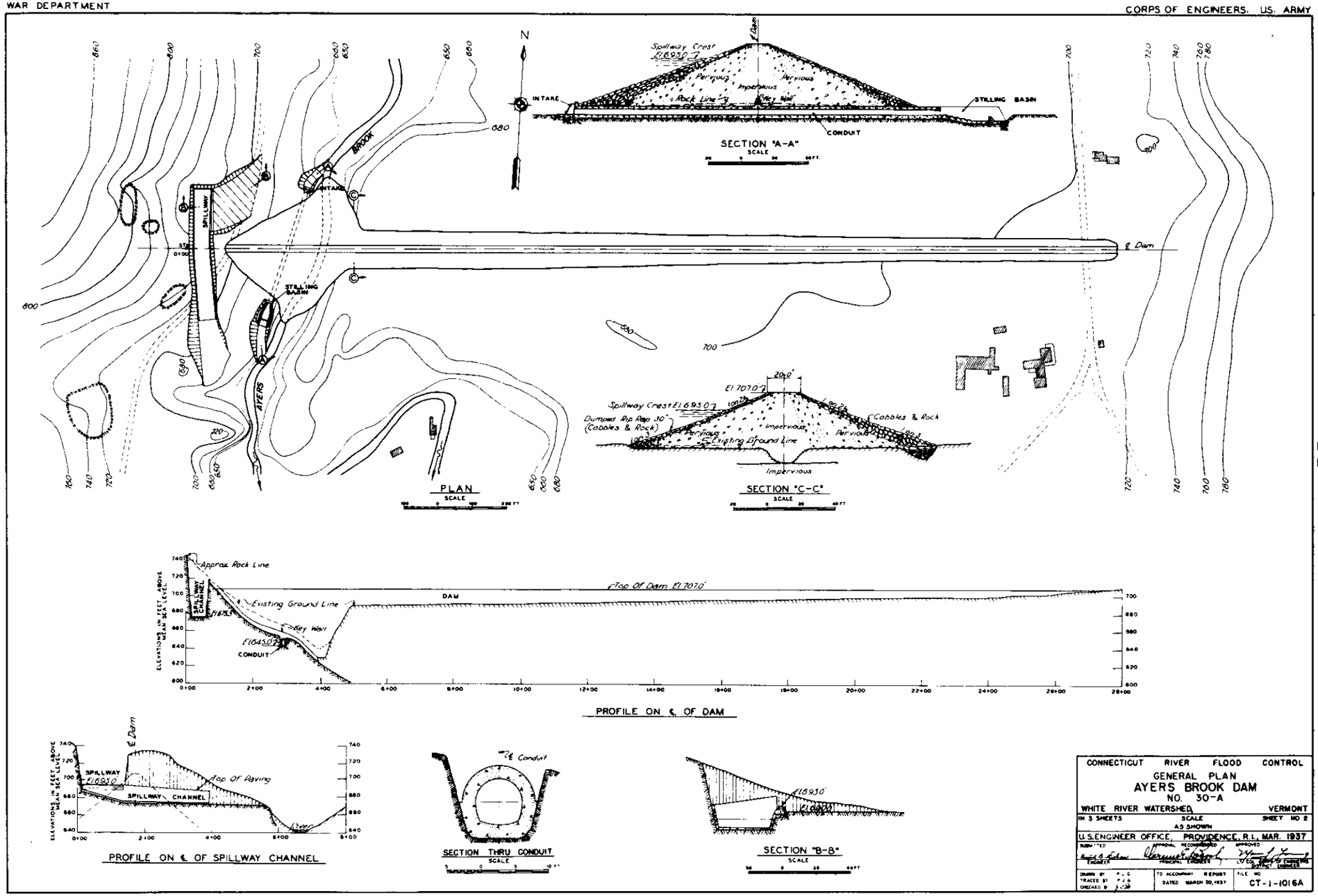
U.S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE
0 1/4 1/2 MI

IN 3 SHEETS SHEET NO. 1

WAR DEPARTMENT

CORPS OF ENGINEERS. US. ARMY



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

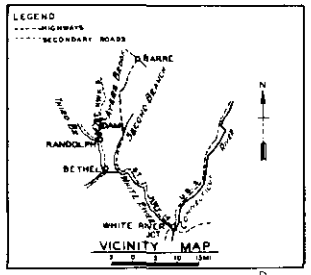
SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

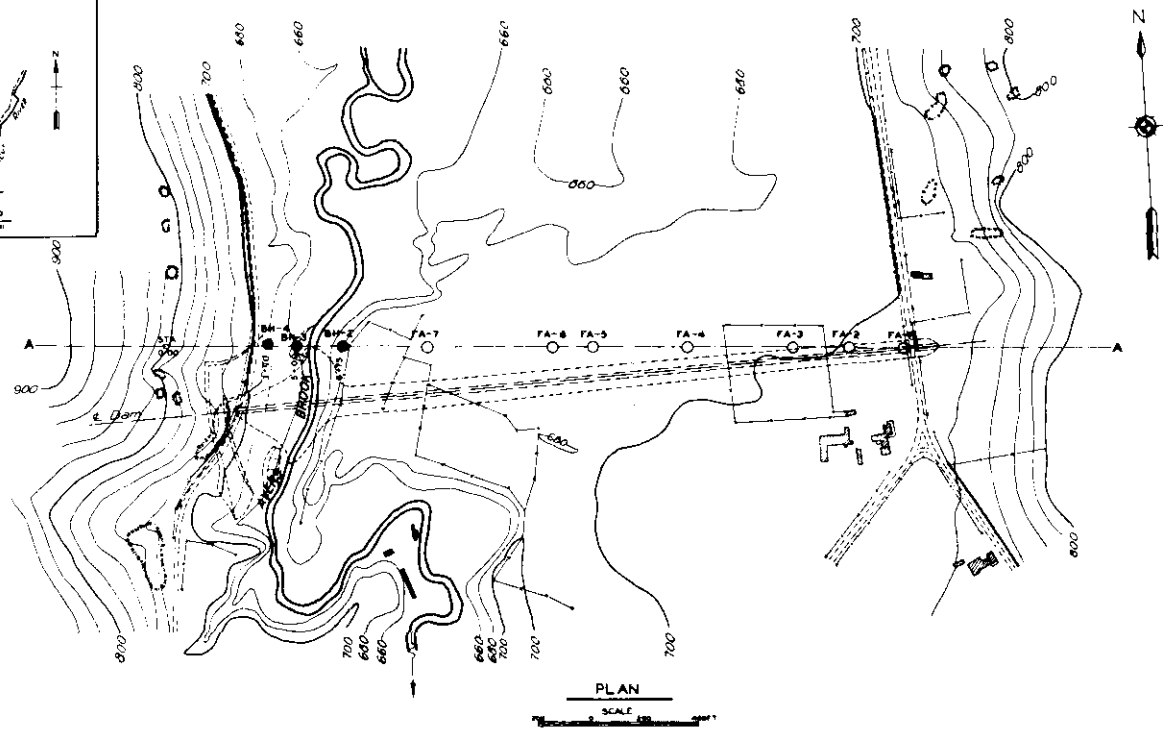
DRAWN BY: P.J.G. TRACED BY: P.J.G. CHECKED BY: J.J.B.

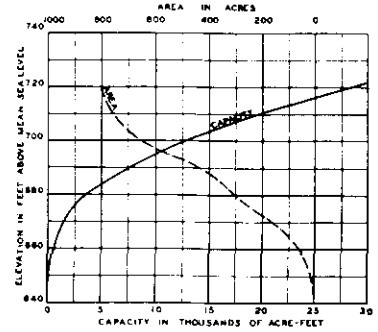
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-1-1016A

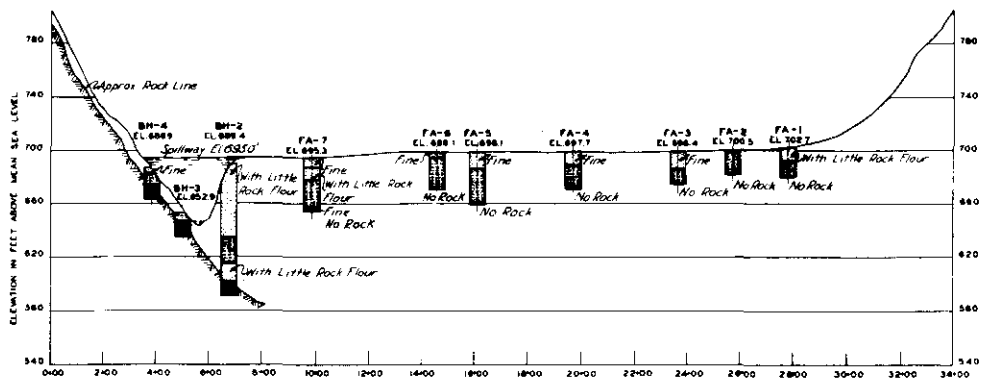
SEC. 4 - PLATE NO. 86



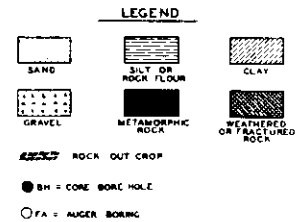




AREA AND CAPACITY CURVES



PROFILE ON LINE "A-A"



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

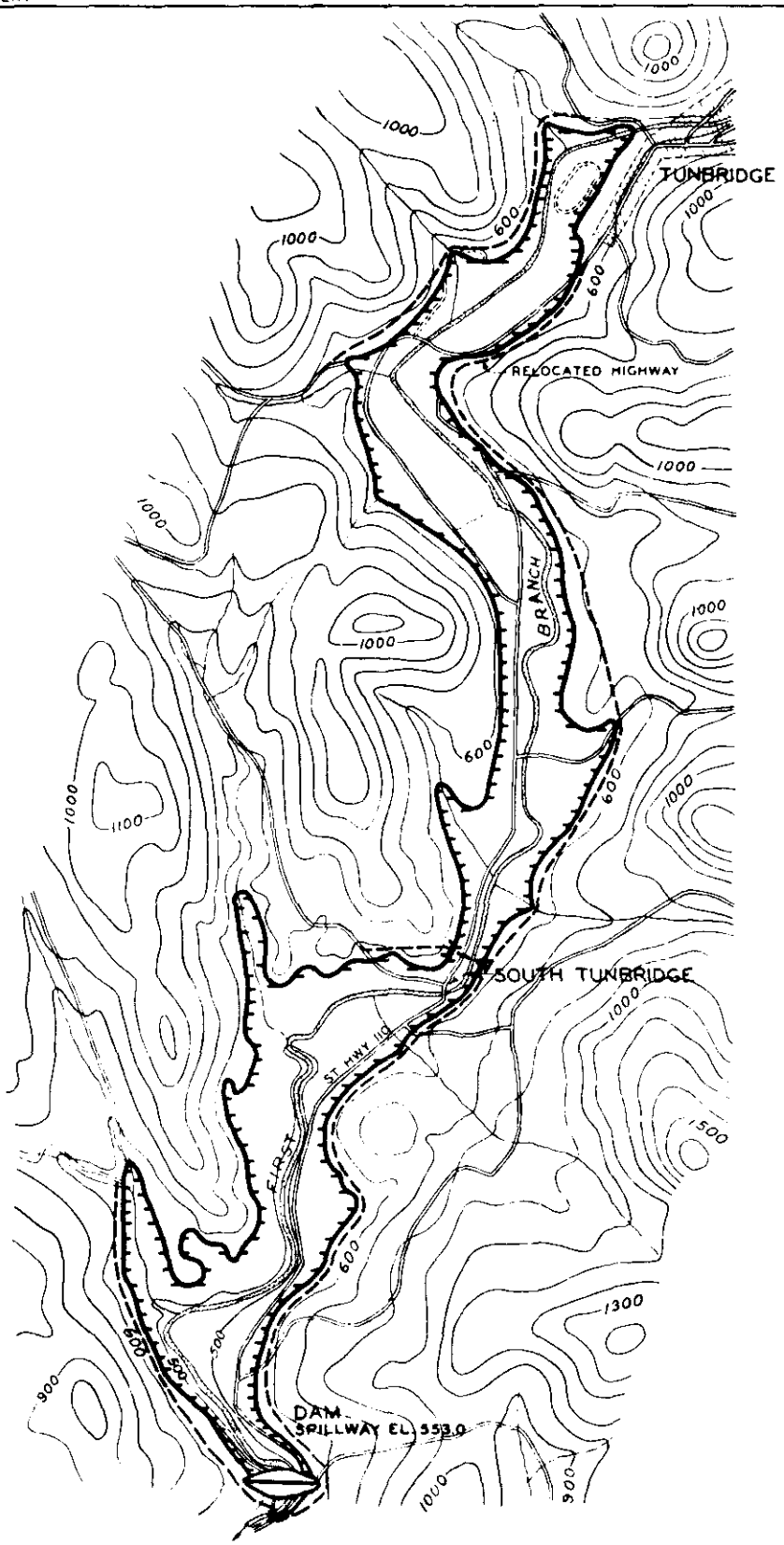
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

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

DRAWN BY D.P. TRACED BY P.J.C. CHECKED BY J.A.B.

TO ACCOMPANY REPORT DATED MARCH 30, 1937

FILE NO. CT-2-1007A



N

CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

SOUTH TUNBRIDGE DAM

NO 49-A

WHITE RIVER WATERSHED, VERMONT

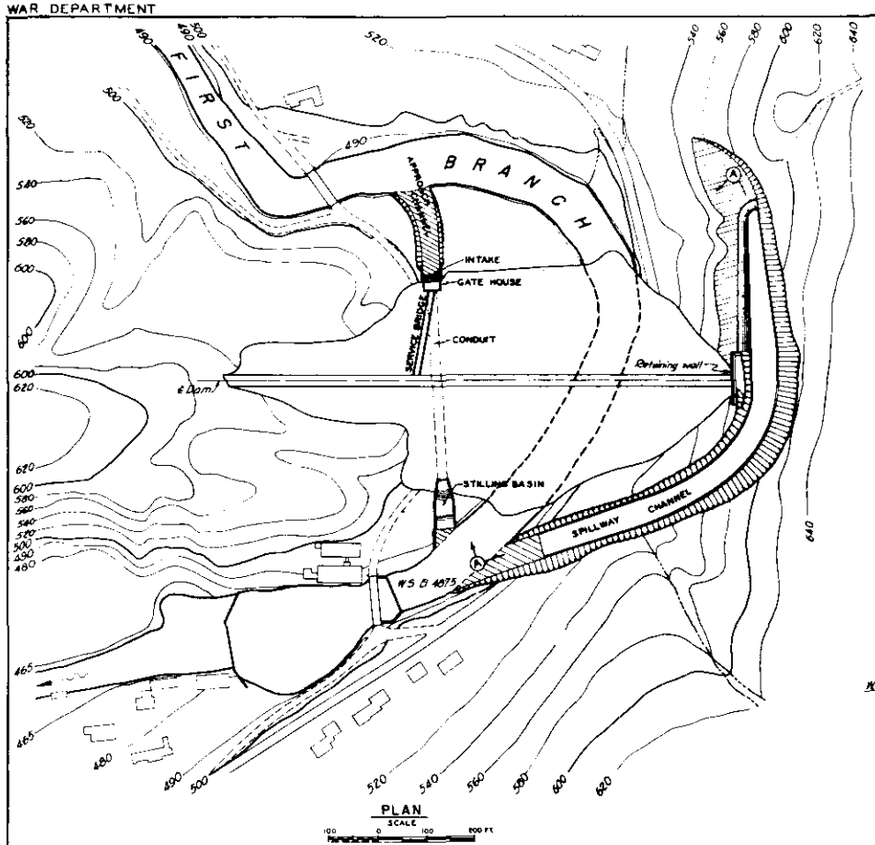
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.

SCALE
0 ½ ½ MI.

IN 3 SHEETS SHEET NO 1

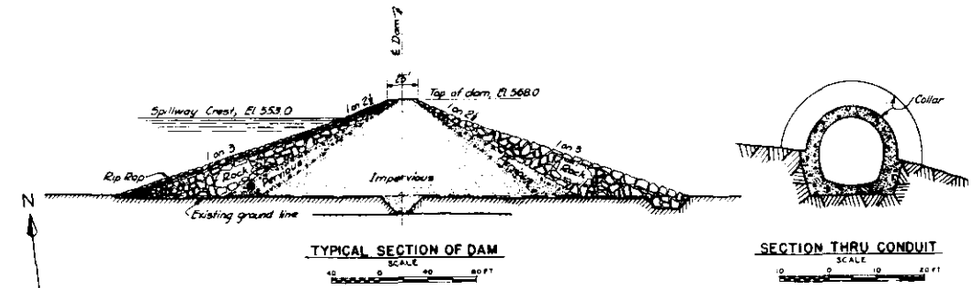
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



PLAN

SCALE 100 0 100 200 FT

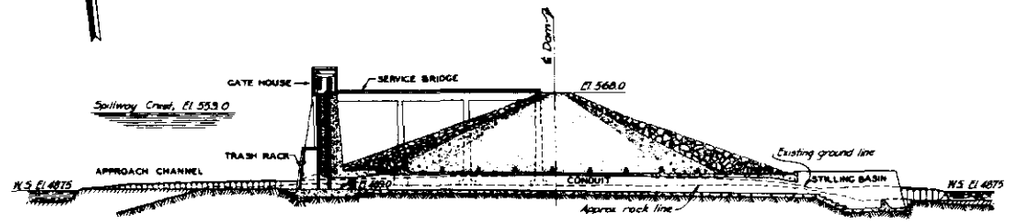


TYPICAL SECTION OF DAM

SCALE 40 0 40 80 FT

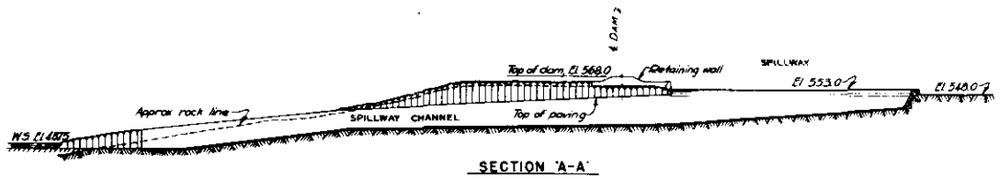
SECTION THRU CONDUIT

SCALE 10 0 10 20 FT



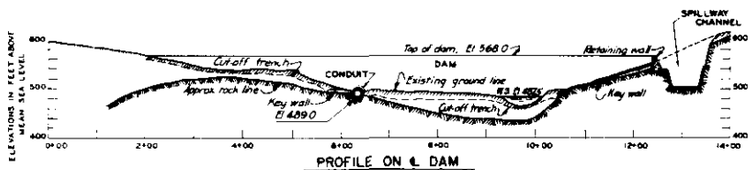
SECTION ON ℄ CONDUIT

SCALE 40 0 40 80 FT



SECTION 'A-A'

SCALE 80 0 80 160 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: DIV. ENGINEER | CHIEF OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY F.O.S.M. TRACED BY F.O.S.M. CHECKED BY

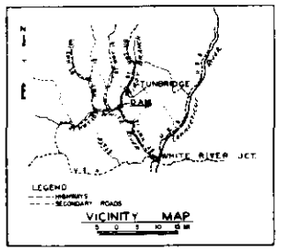
TO ACCOMPANY REPORT DATED MARCH 20, 1937

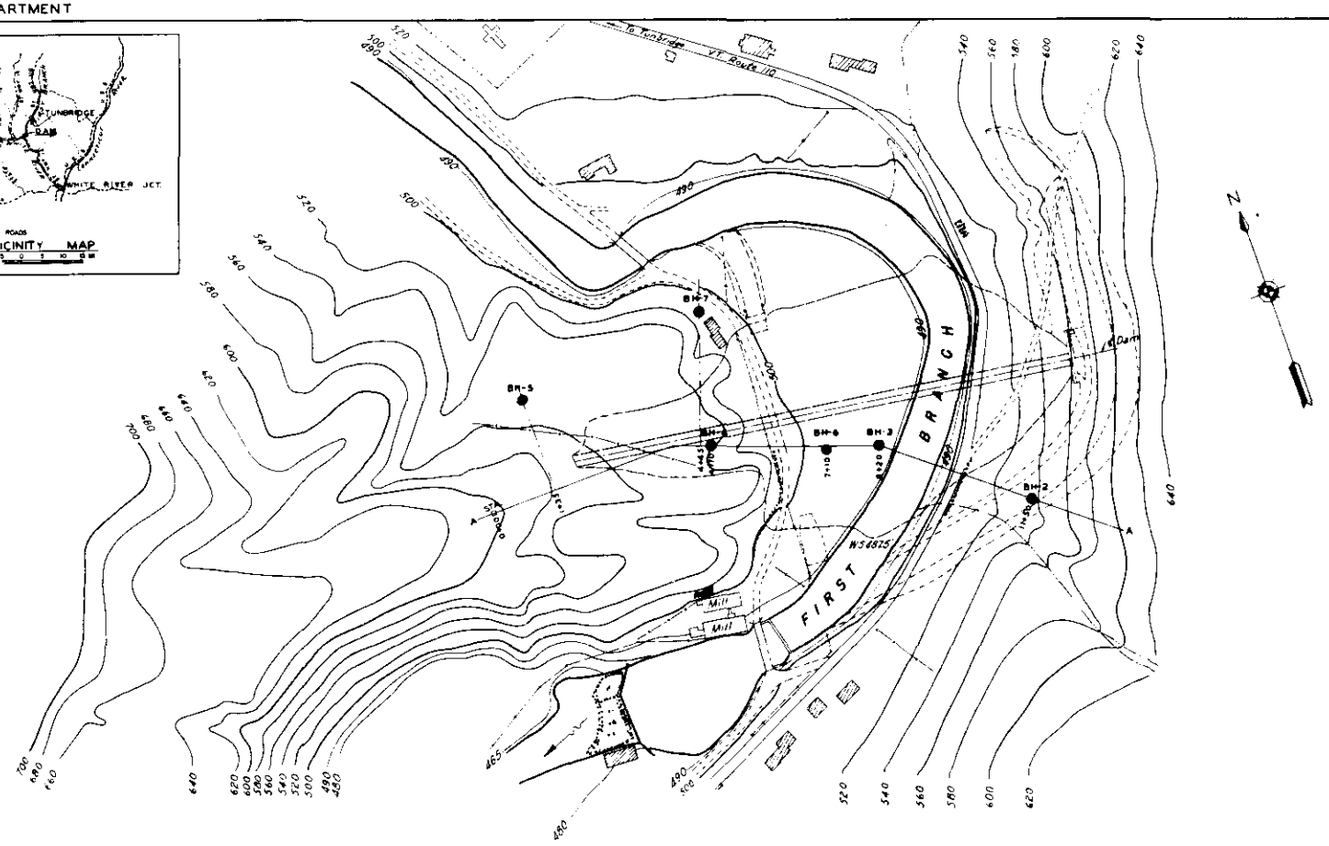
FILE NO. CT-1-1020A

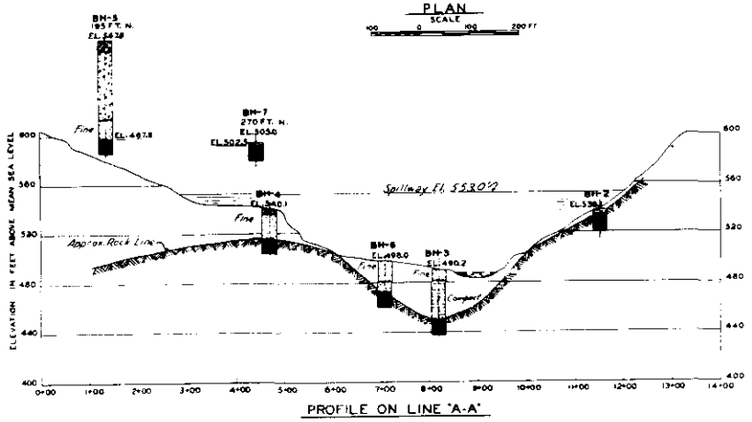
SEC. 4 - PLATE NO. 89

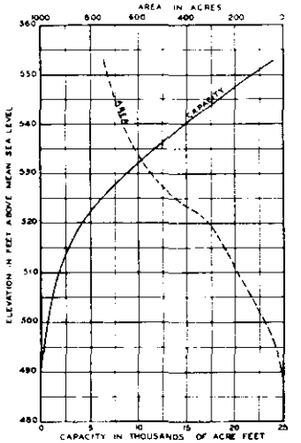
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY









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

STRIKE & DIP 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 APPROVED RECOMMENDED APPROVED

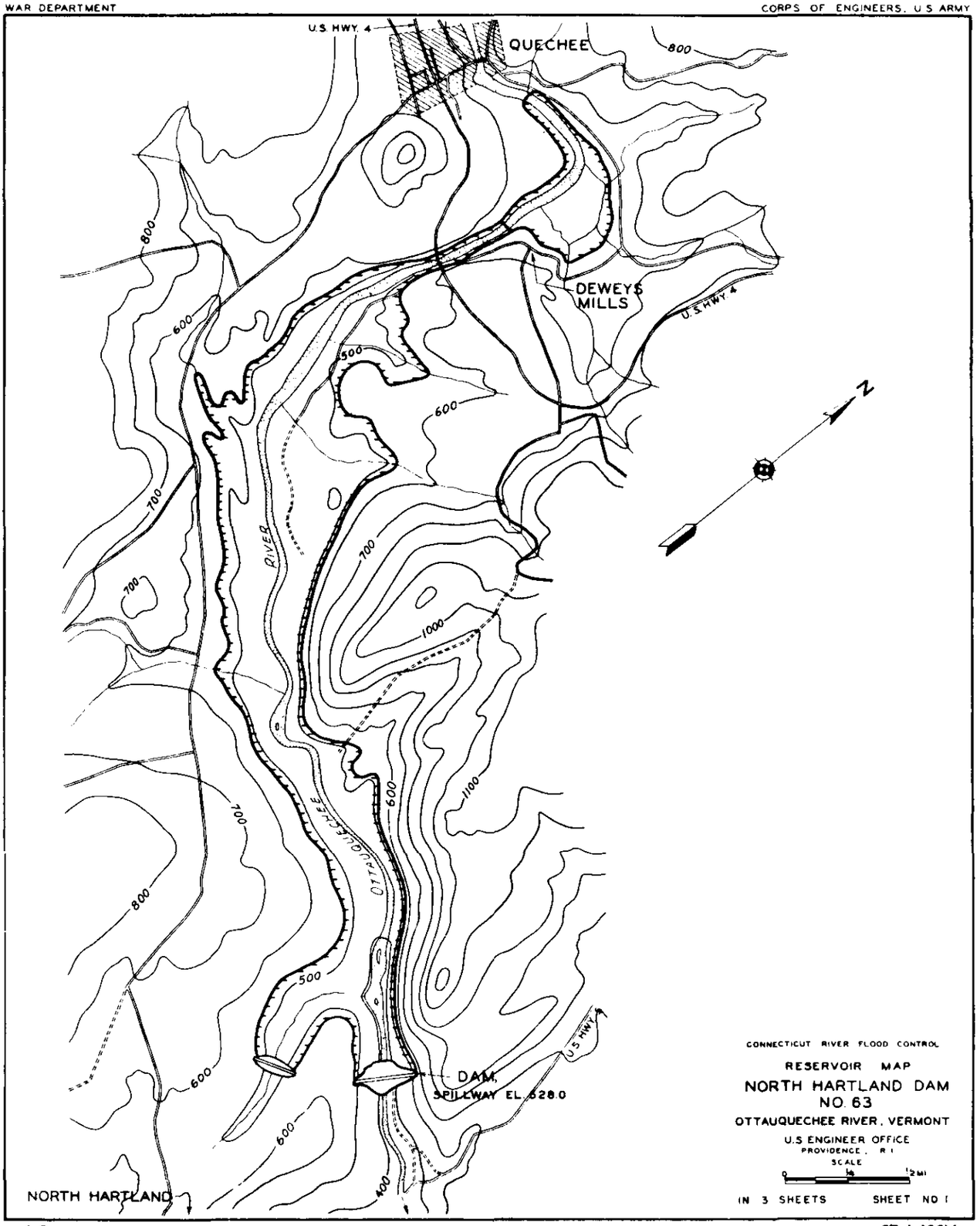
GEOLOGIST PRINCIPAL ENGINEER CT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY D.A.
TRACED BY A.A.
CHECKED BY T.A.B.

ACCOMPANY REPORT DATED MARCH 20/1937

F.Y. NO. CT-2-1009A

SEC 4 - PLATE NO. 90



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

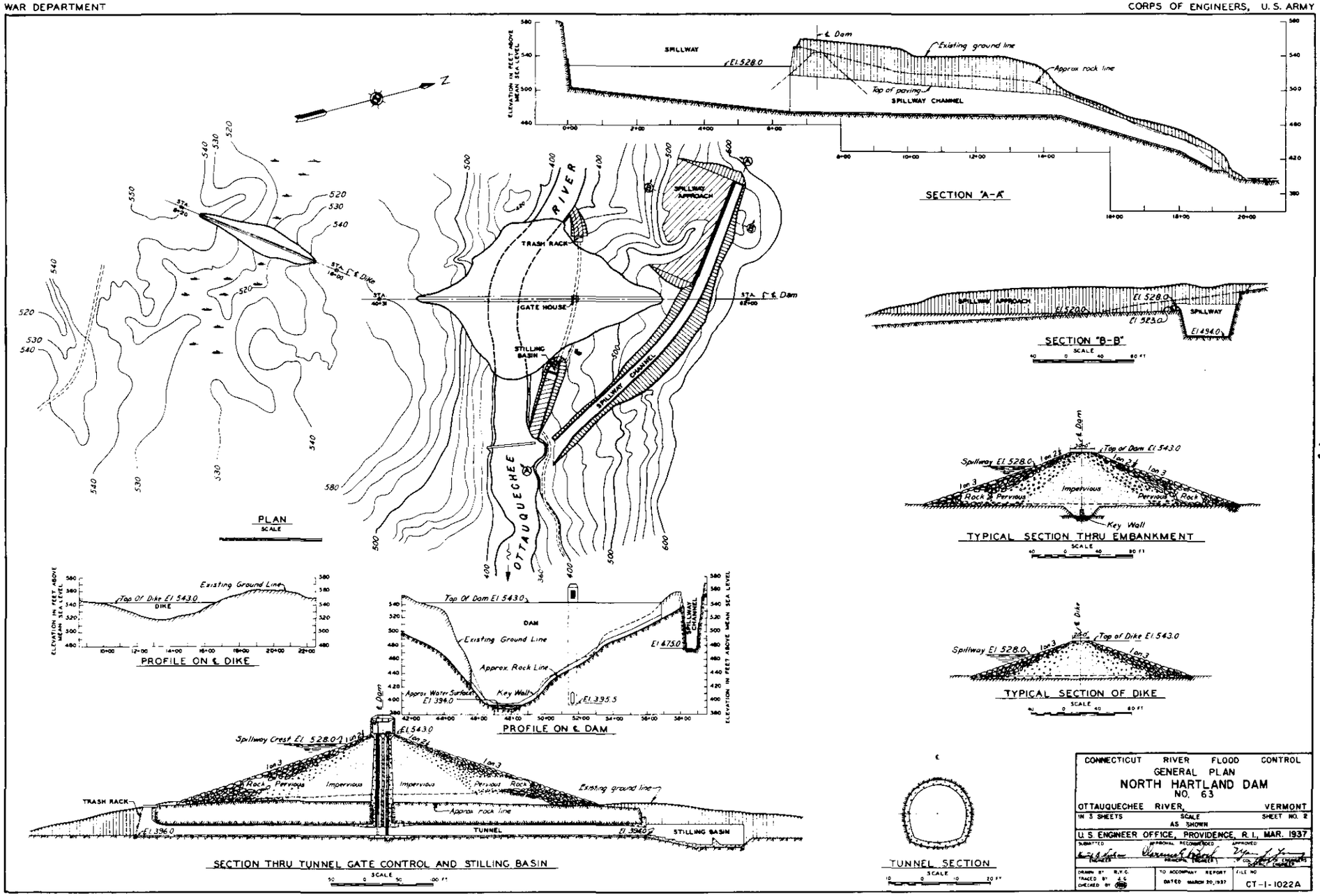
NORTH HARTLAND DAM
NO. 63

OTTAUQUECHEE RIVER, VERMONT

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

SCALE
0 ½ 1 2 MI

IN 3 SHEETS SHEET NO. 1



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

NORTH HARTLAND DAM

NO. 63

OTTAUQUECHEE RIVER, VERMONT

IN 5 SHEETS SCALE AS SHOWN SHEET NO. 2

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

SUBMITTED: [signature] DISTRICT ENGINEER

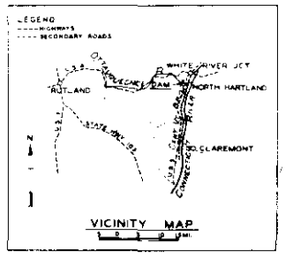
APPROVAL RECOMMENDED: [signature] CHIEF ENGINEERS

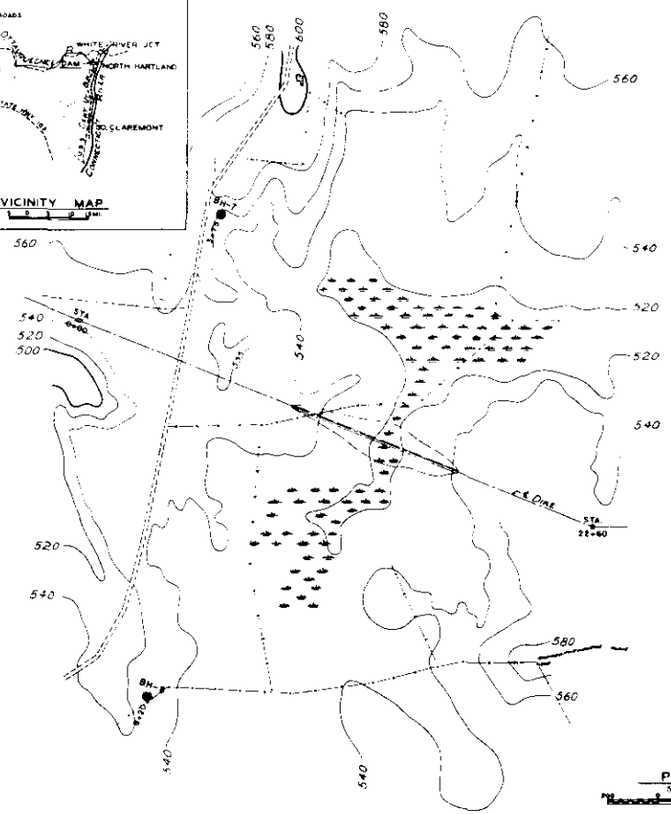
APPROVED: [signature] COL. CORPS OF ENGINEERS, CHIEF OF ENGINEERS

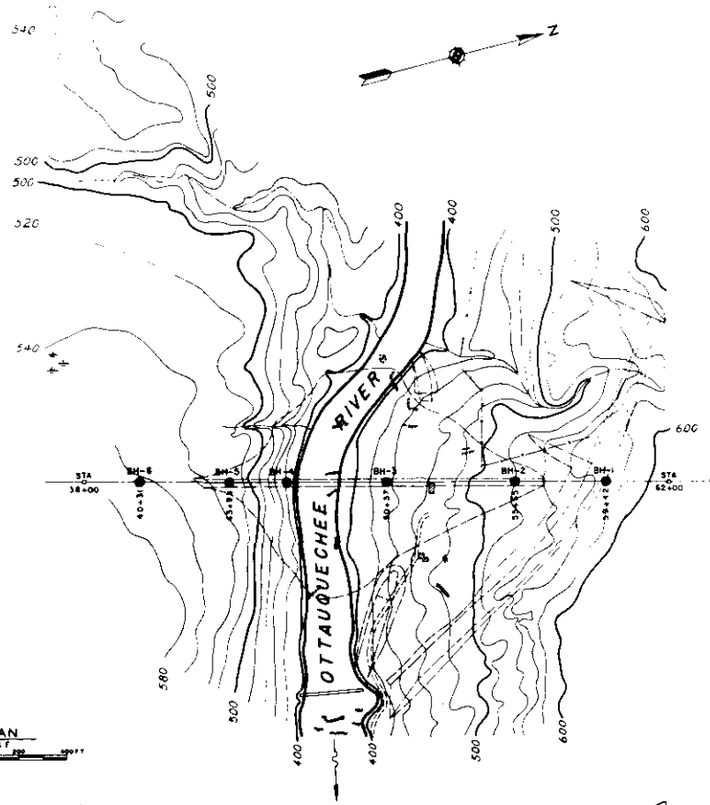
DRAWN BY N.Y.C. TRACED BY A.C. CHECKED BY [illegible]

TO ACCOMPANY REPORT DATED MARCH 20, 1937

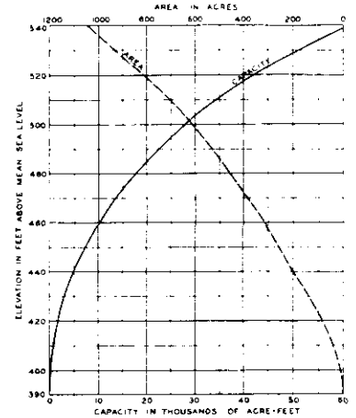
FILE NO CT-1-1022A





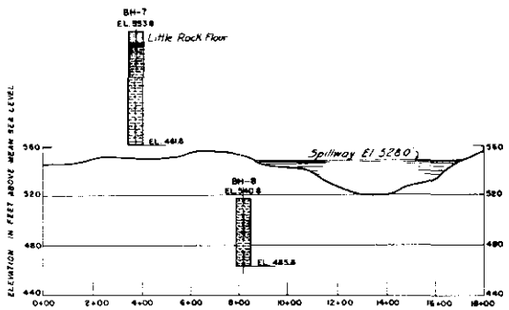


PLAN
SCALE

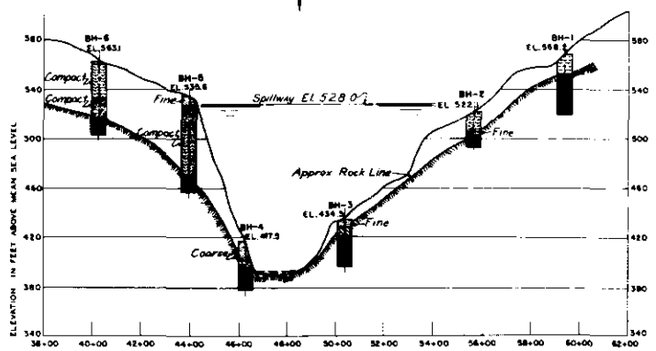


AREA AND CAPACITY CURVES

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

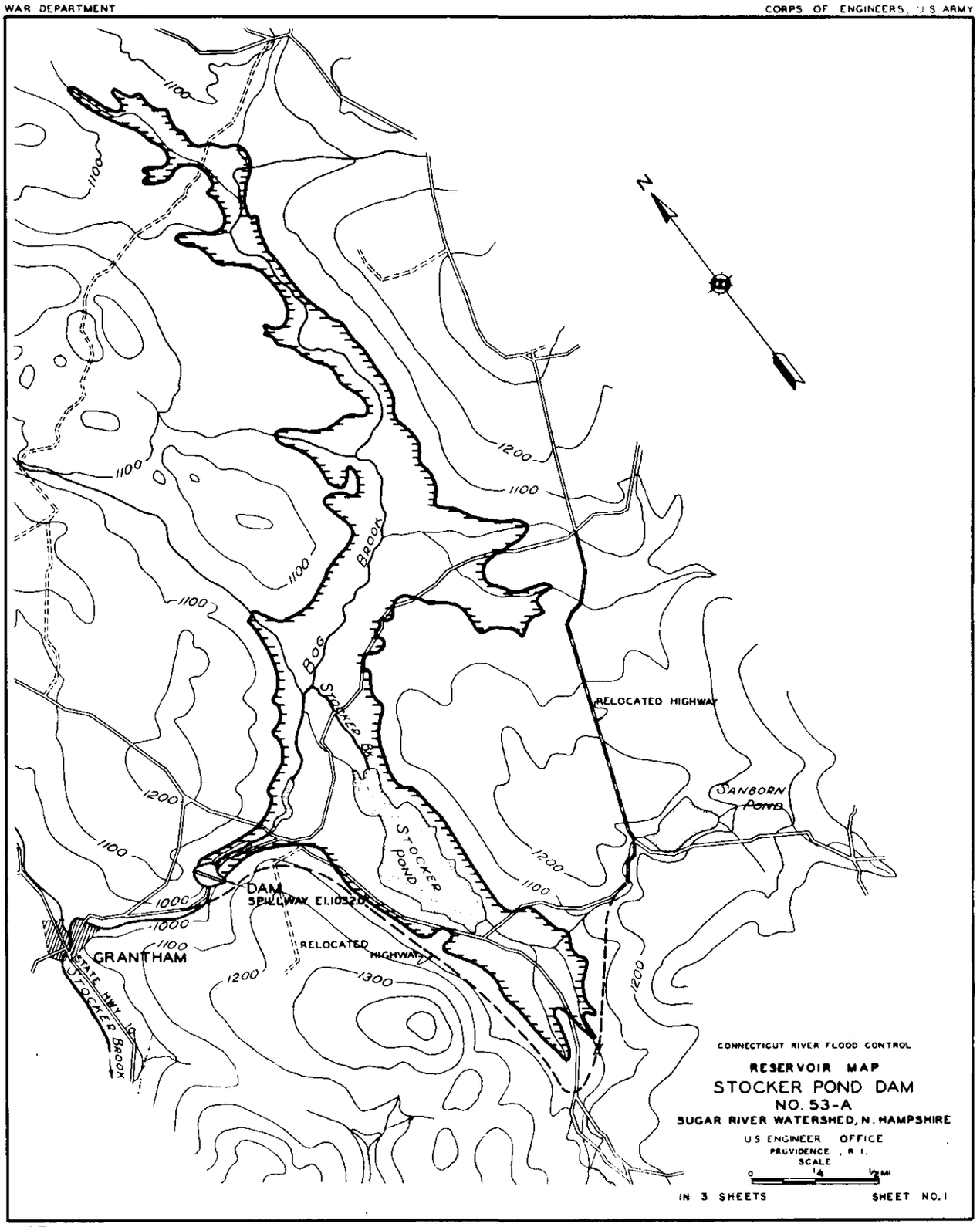
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR 1937

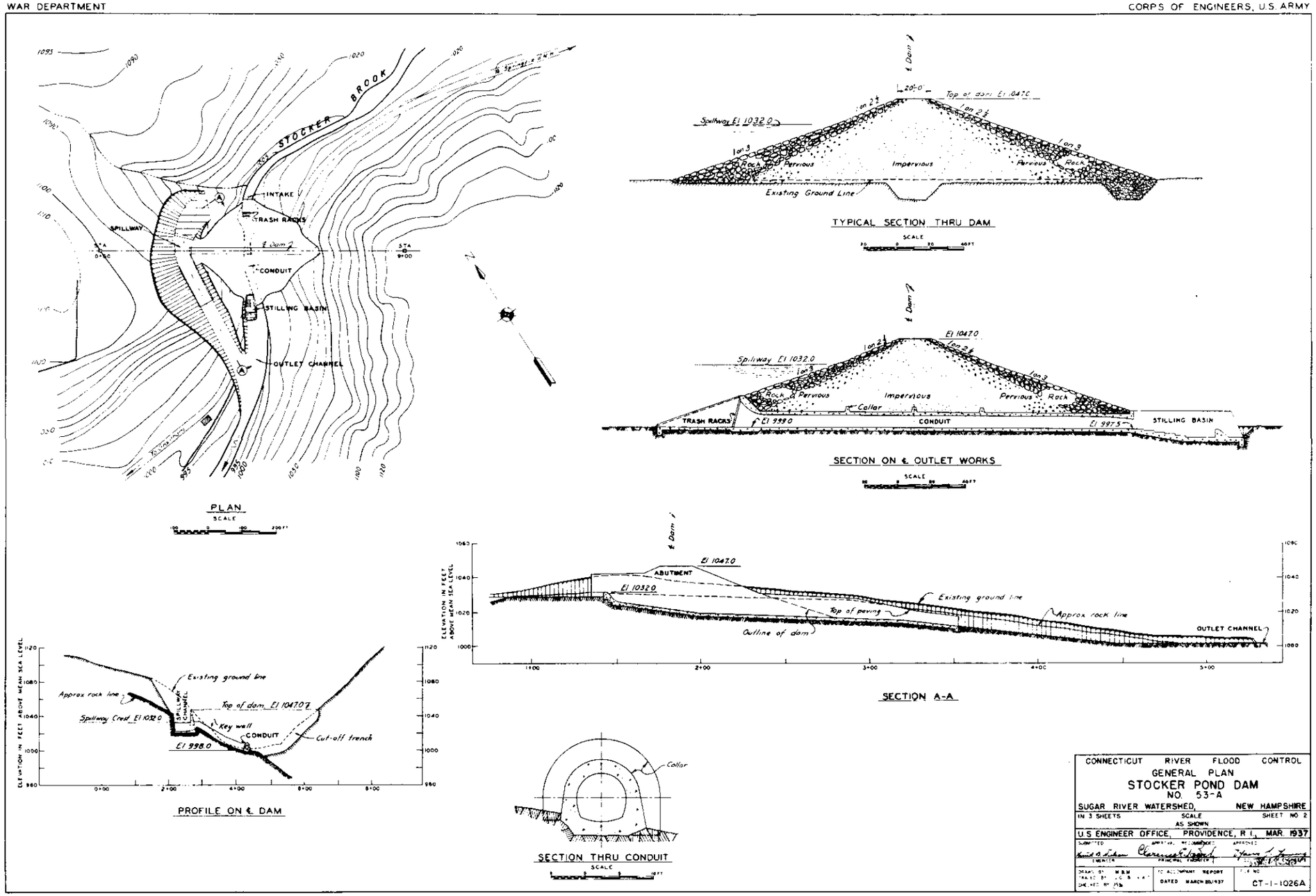
SUBMITTED GEOLOGIST
APPROVAL RECOMMENDED PRINCIPAL ENGINEER
APPROVED LT. COL. CORPS OF ENGINEERS DIST. ENGINEER

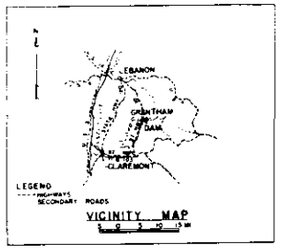
DRAWN BY B.F.
TRACED BY J.C.
CHECKED BY J.W.B.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

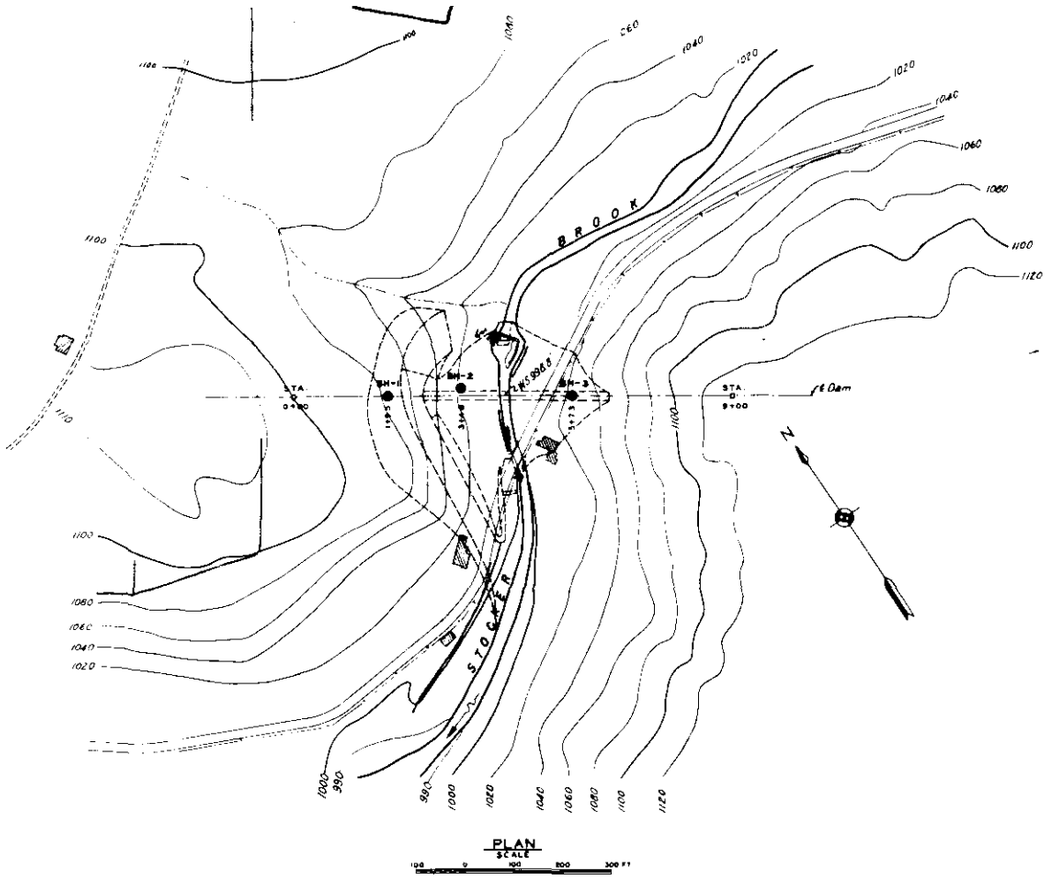
FILE NO CT-2-1010A


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

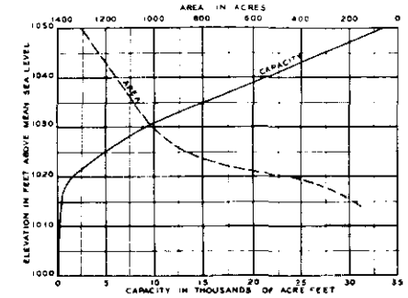

STOCKER BROOK
INTAKE
TRASH RACKS
SPILLWAY
℄ Dam
CONDUIT
STILLING BASIN
OUTLET CHANNEL
PLAN
SCALE
Top of dam El 1047.0
Spillway El 1032.0
Rock
Pervious
Impervious
Existing Ground Line
TYPICAL SECTION THRU DAM
SCALE
El 1047.0
Collar
TRASH RACKS
El 999.0
CONDUIT
El 997.5
STILLING BASIN
SECTION ON ℄ OUTLET WORKS
SCALE
ABUTMENT
El 1032.0
Existing ground line
Top of paving
Approx rock line
Outline of dam
OUTLET CHANNEL
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
SECTION A-A
Approx rock line
Existing ground line
Spillway Crest El 1032.0
Top of dam El 1047.0
Key wall
CONDUIT
Cut-off trench
El 998.0
PROFILE ON ℄ DAM
Collar
SECTION THRU CONDUIT
SCALE
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
DATED MARCH 20, 1937
CT-1-1026A



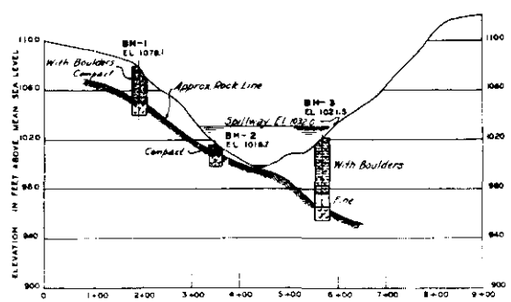
VICINITY MAP



PLAN
SCALE



AREA AND CAPACITY CURVES



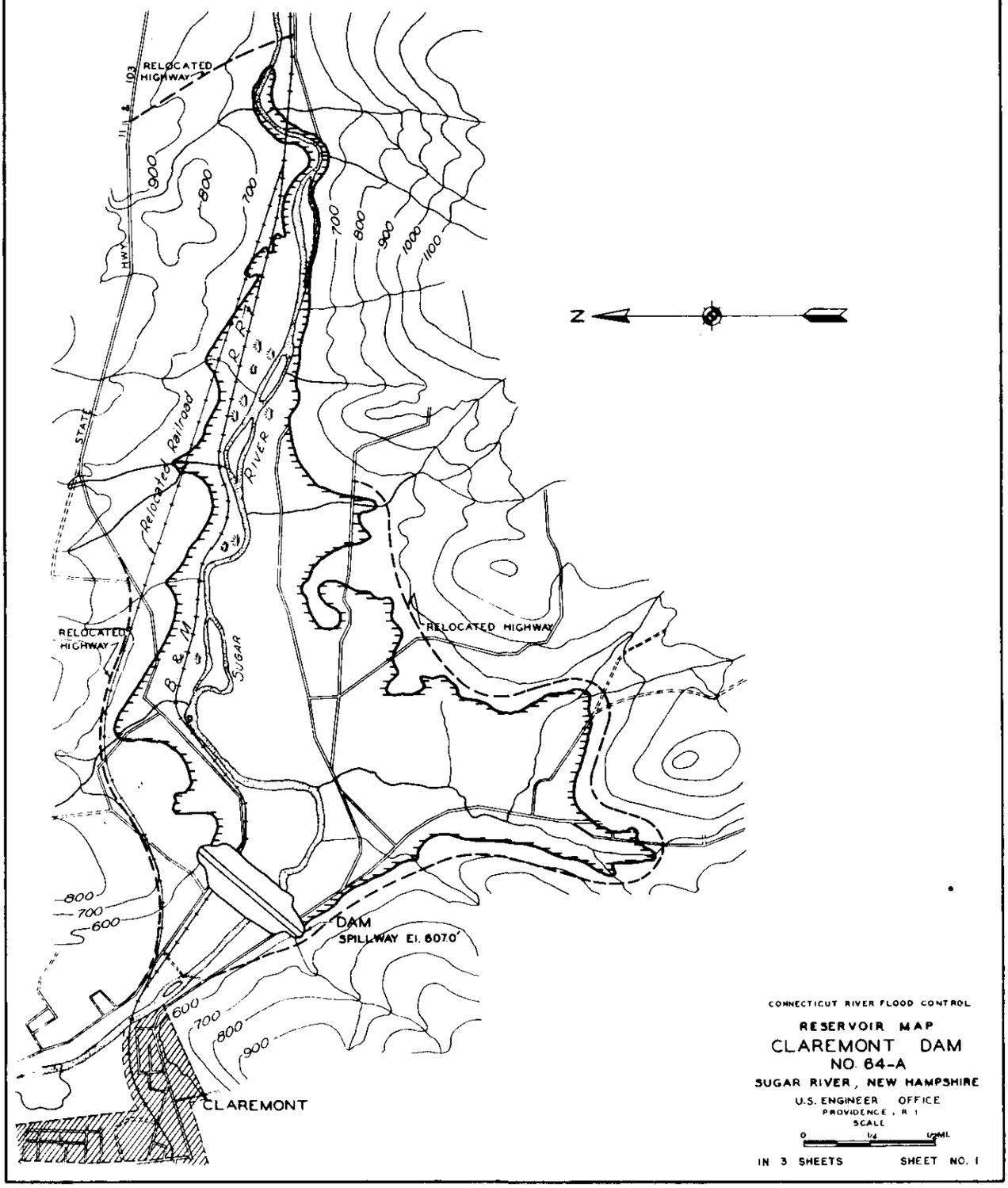
PROFILE ON ℄ DAM

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. Fahlgren, GEOLOGIST
APPROVAL RECOMMENDED: Carmel Fisch, PRINCIPAL ENGINEER
APPROVED: William J. Hennig, LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY D.P.
TRACED BY
CHECKED BY
TO ACCOMPANY REPORT DATED MARCHED, 1937
FILE NO. CT-2-1012A



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

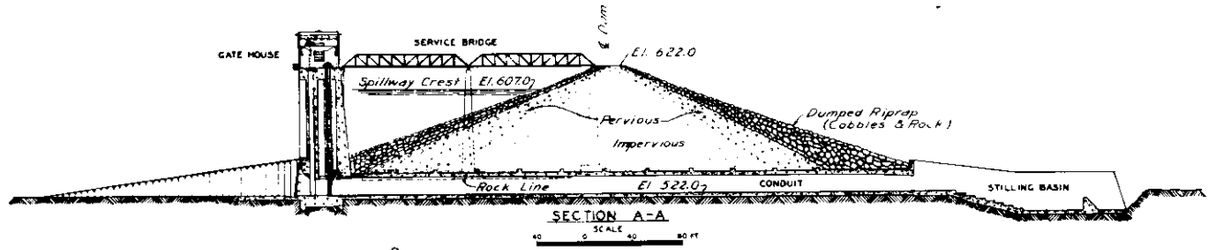
CLAREMONT DAM NO. 64-A

SUGAR RIVER, NEW HAMPSHIRE

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

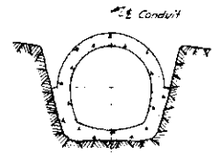
SCALE
0 1/4 1/2 MI.

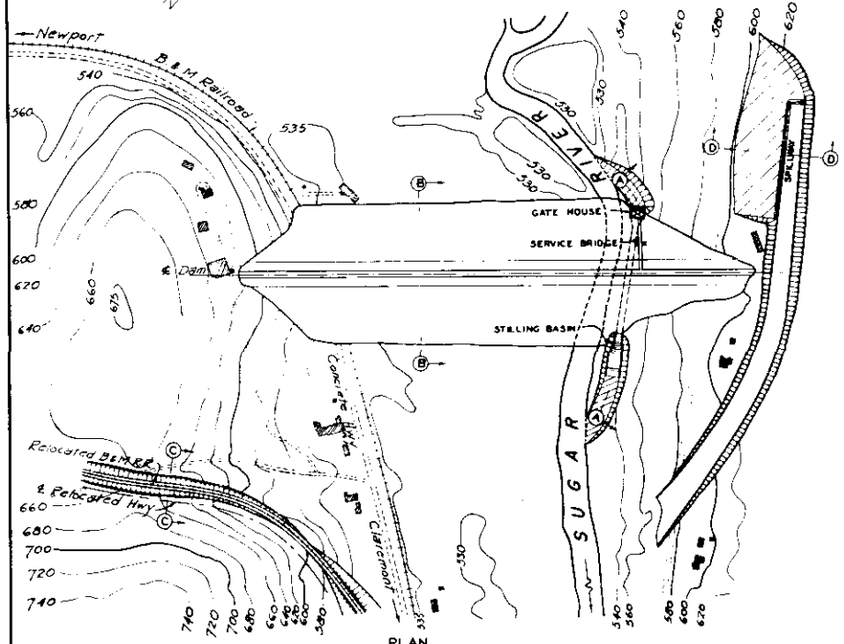
IN 3 SHEETS SHEET NO. 1



SECTION A-A

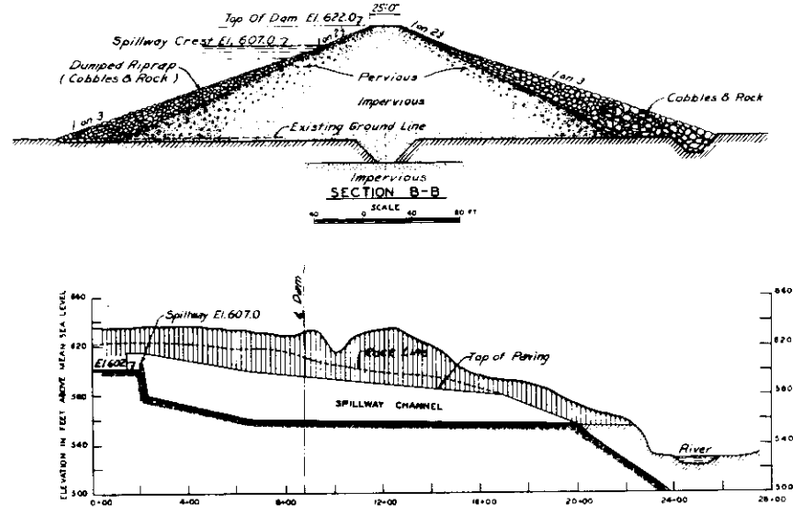
SCALE 40 0 40 80 FT





PLAN

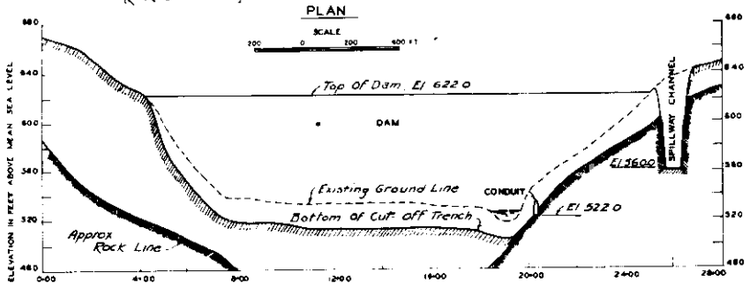
SCALE 200 0 200 400 FT



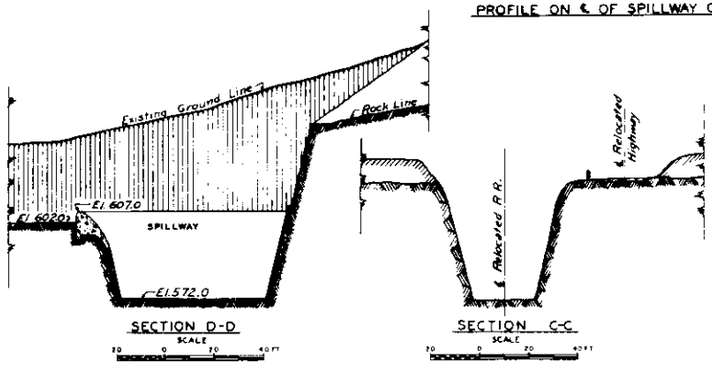
SECTION B-B

SCALE 40 0 40 80 FT

PROFILE ON ℄ OF SPILLWAY CHANNEL



PROFILE ON ℄ DAM



SECTION D-D

SCALE 70 0 70 140 FT

SECTION C-C

SCALE 70 0 70 140 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: Howard A. Foster, ENGINEER | APPROVED: Clarence C. Huber, PRINCIPAL ENGINEER | APPROVED: [illegible], LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY E.J.H. TRACED BY E.H., J.S. & D.C. CHECKED BY S.C.B.

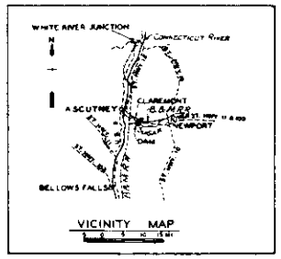
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. C T-1-1024A

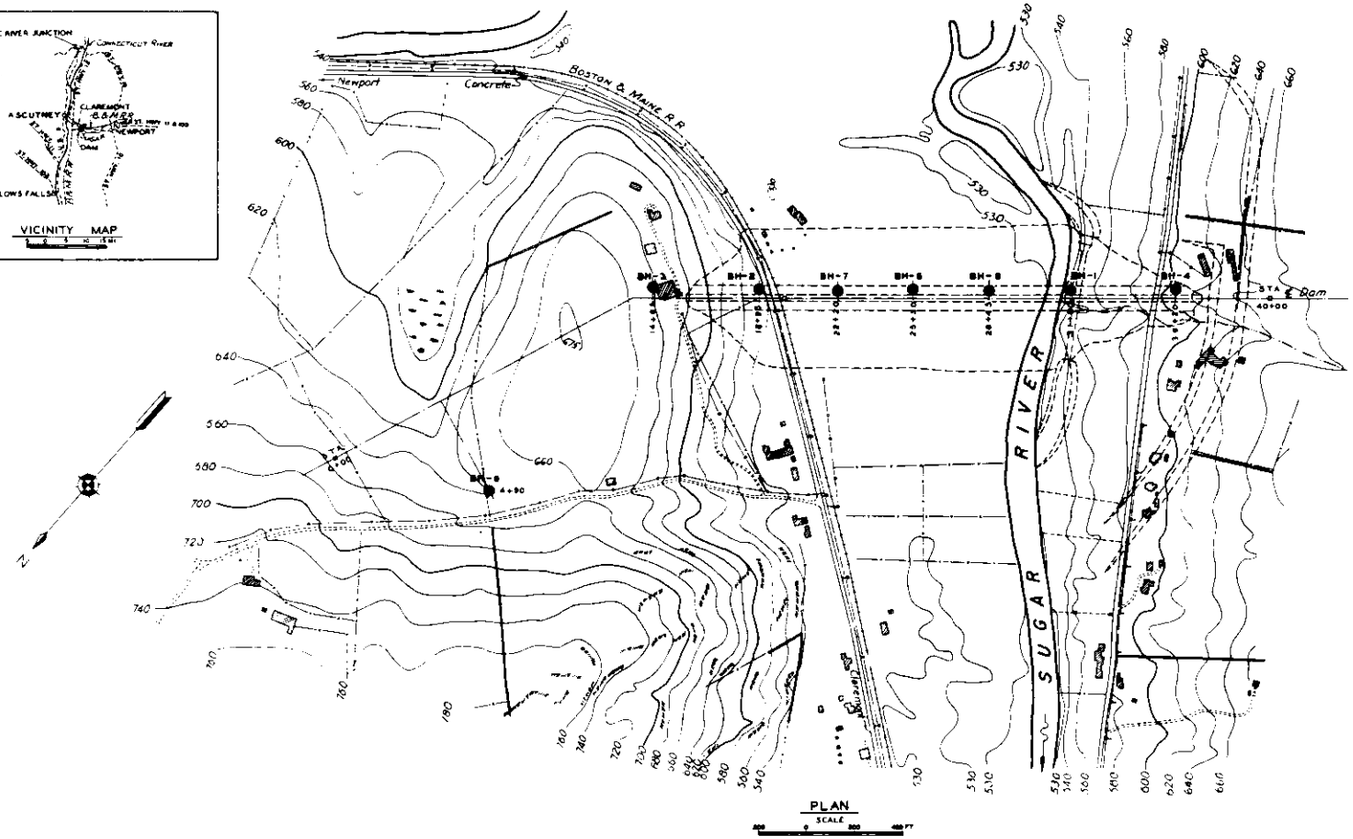
SEC 4 - PLATE NO. 98

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY

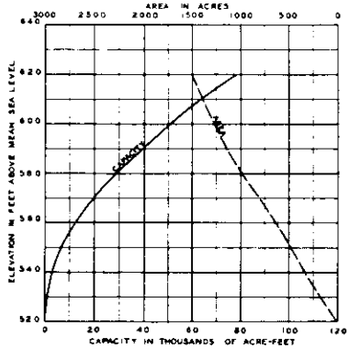


VICINITY MAP



PLAN

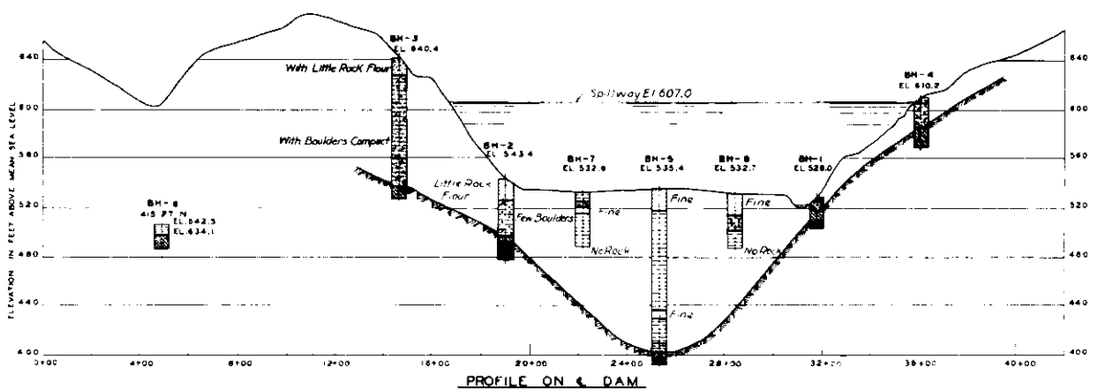
SCALE



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

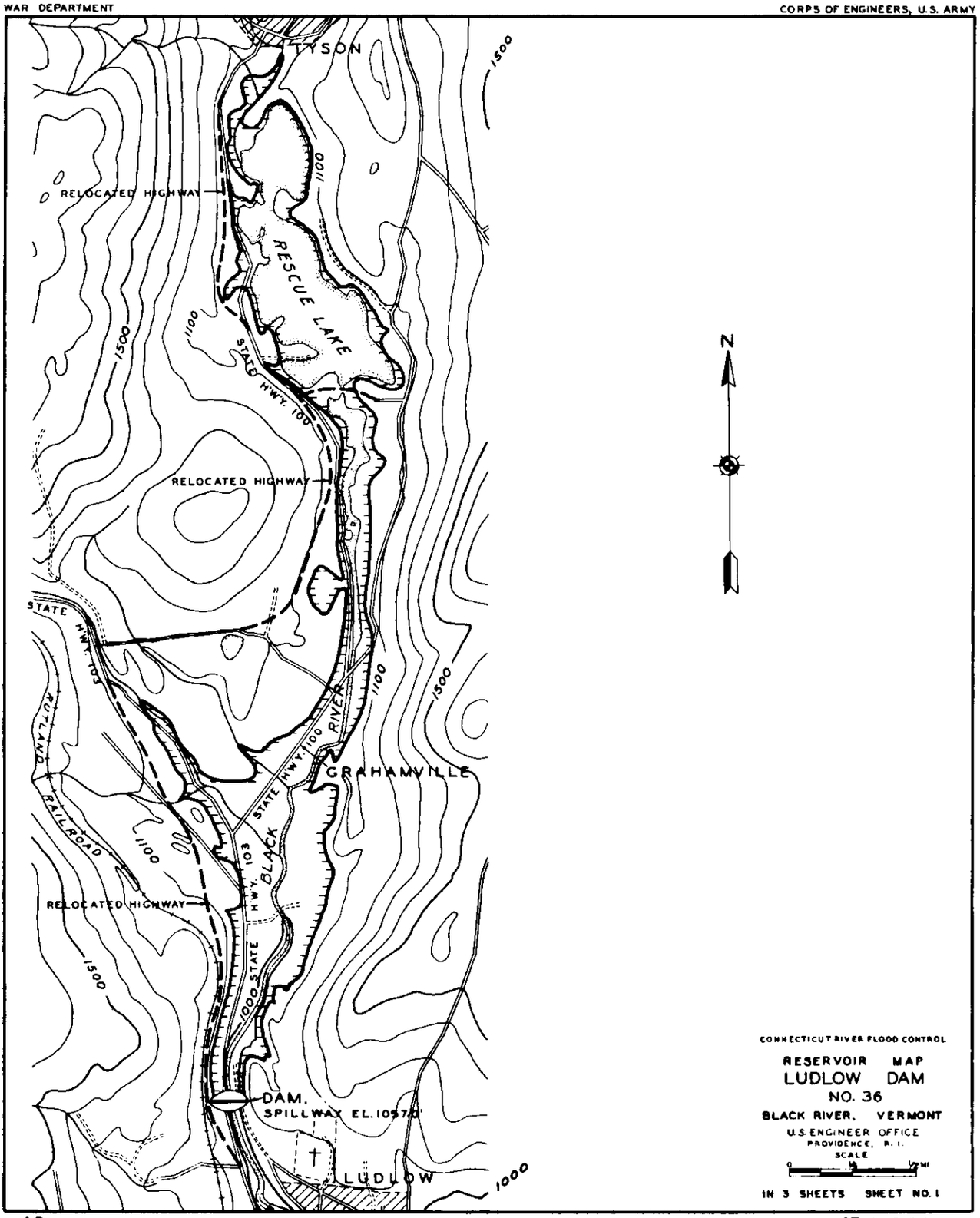
IN 3 SHEETS — SCALE AS SHOWN — SHEET NO 3

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 — TRACED BY — CHECKED BY — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-2-1011A

SEC. 4 - PLATE NO. 99



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

LUDLOW DAM

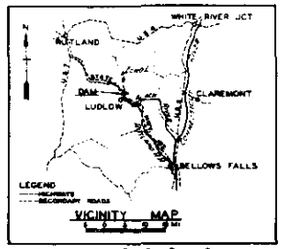
NO. 36

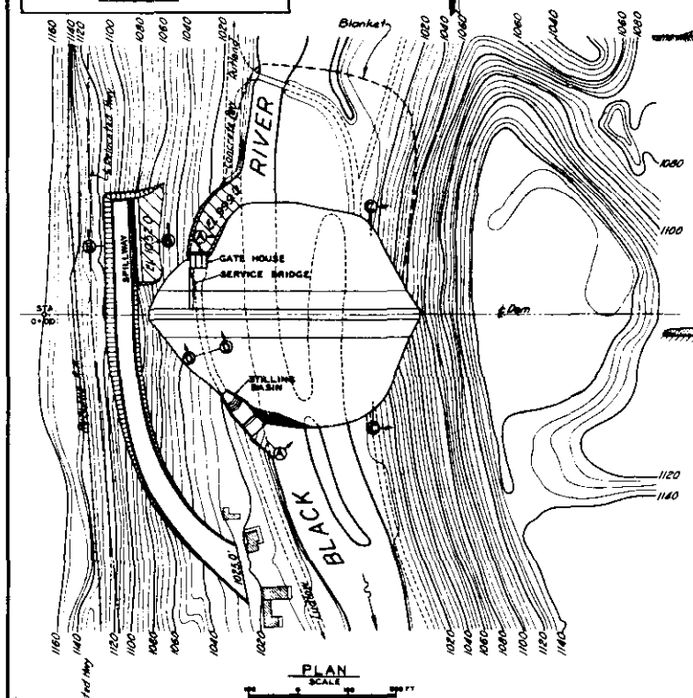
BLACK RIVER, VERMONT

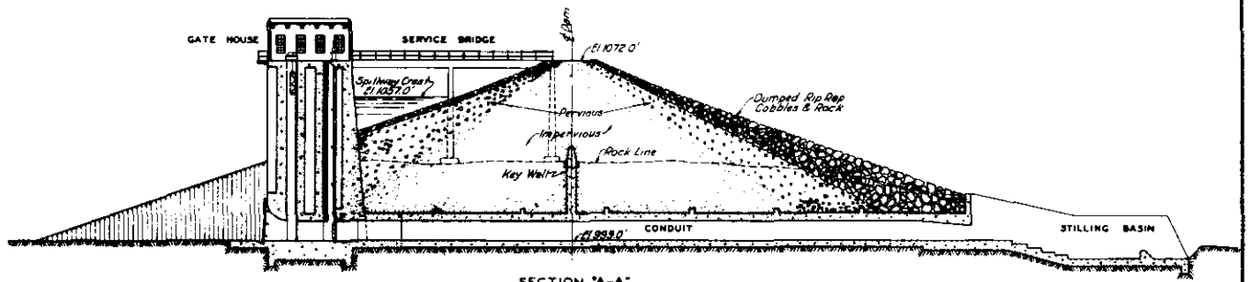
U.S. ENGINEER OFFICE
PROVIDENCE, R. I.

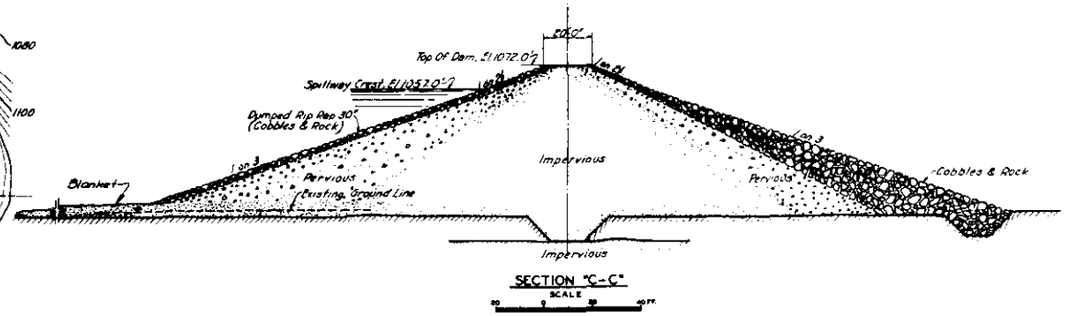
SCALE

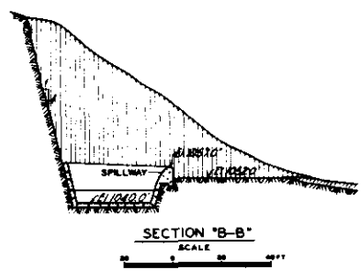
IN 3 SHEETS SHEET NO. 1

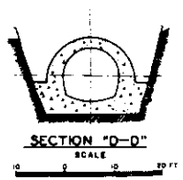


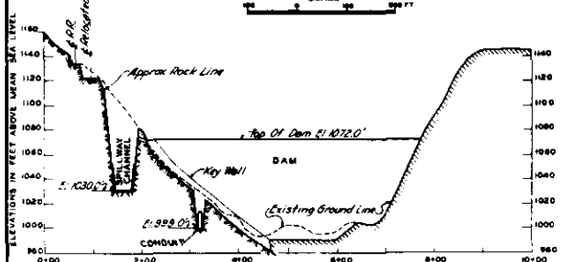


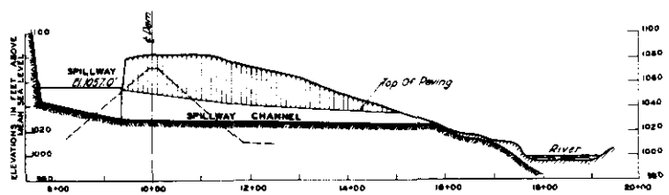












CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
LUDLOW DAM
NO. 36

BLACK RIVER, VERMONT

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

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

SUBMITTED: Chief of Engineers | APPROVED: Lt. Colonel, Corps of Engineers, District Engineer

DRAWN BY E.H.
TRACED BY E.G.P.
CHECKED BY jcb

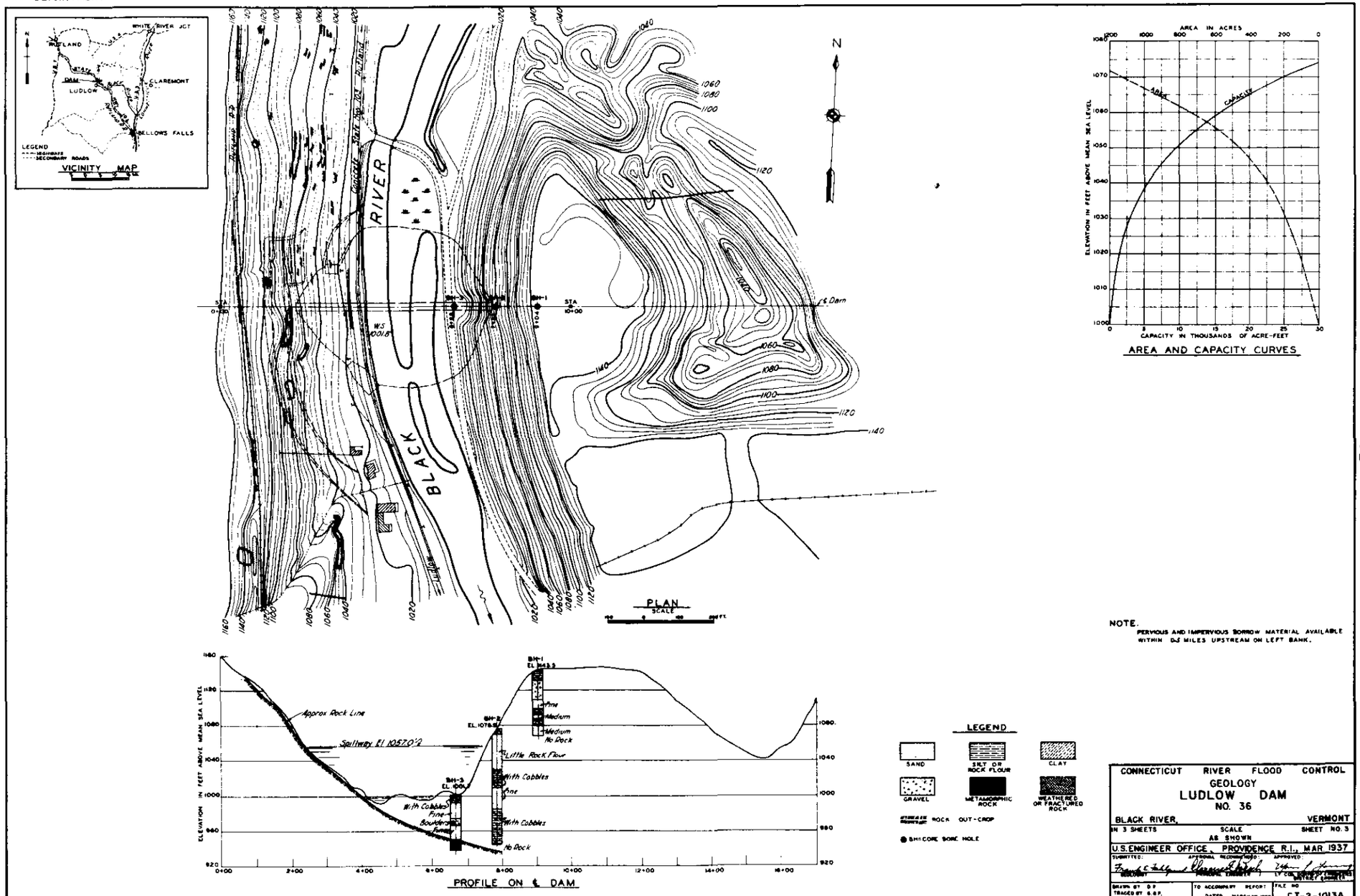
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-1-1028A

SEC. 4 - PLATE NO. 101

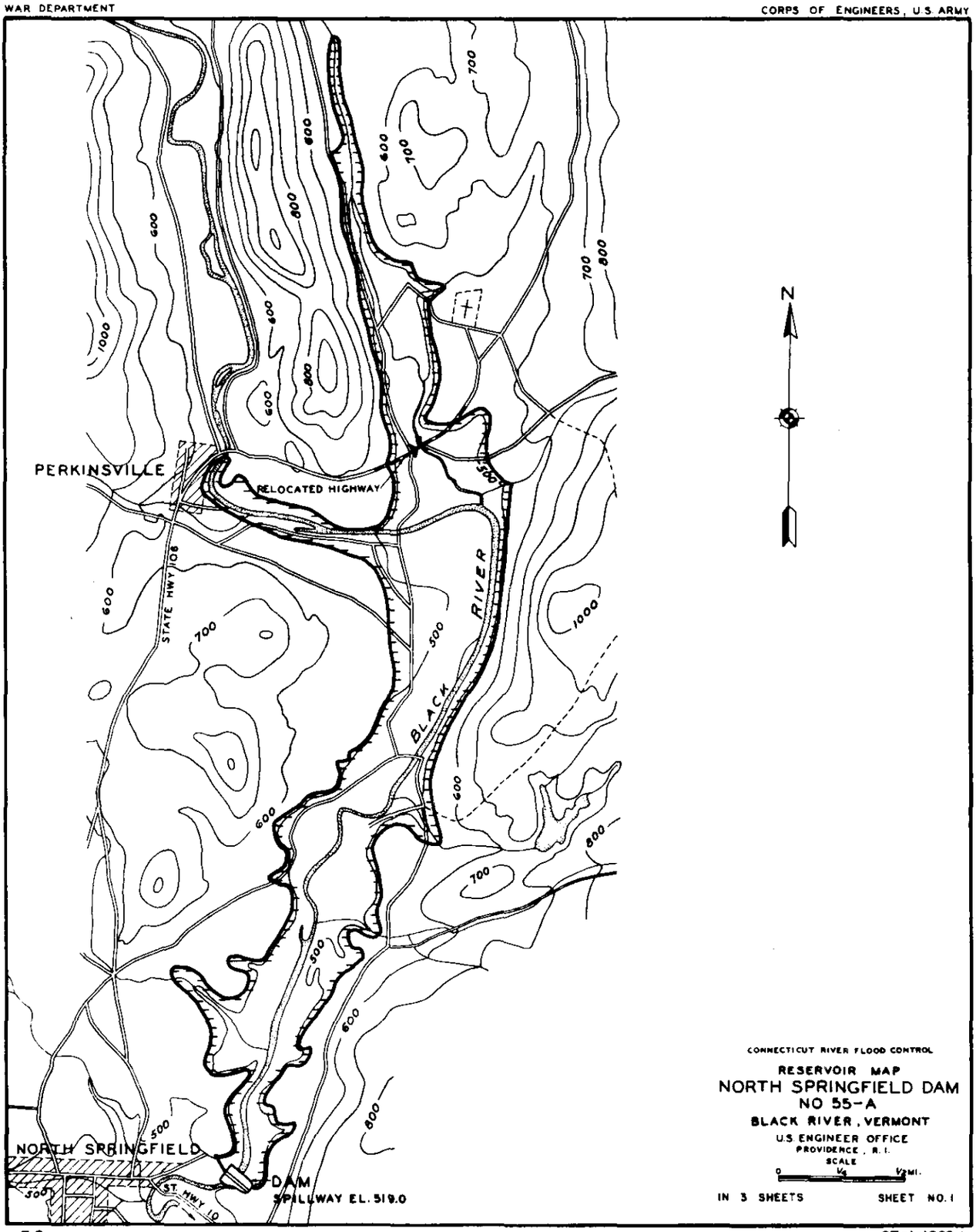
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



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

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: APPROVAL RECOMMENDED: APPROVED:
DRAWN BY D.P. TRACED BY G.B.P. CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-2-1013A



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

NORTH SPRINGFIELD DAM

NO 55-A

BLACK RIVER, VERMONT

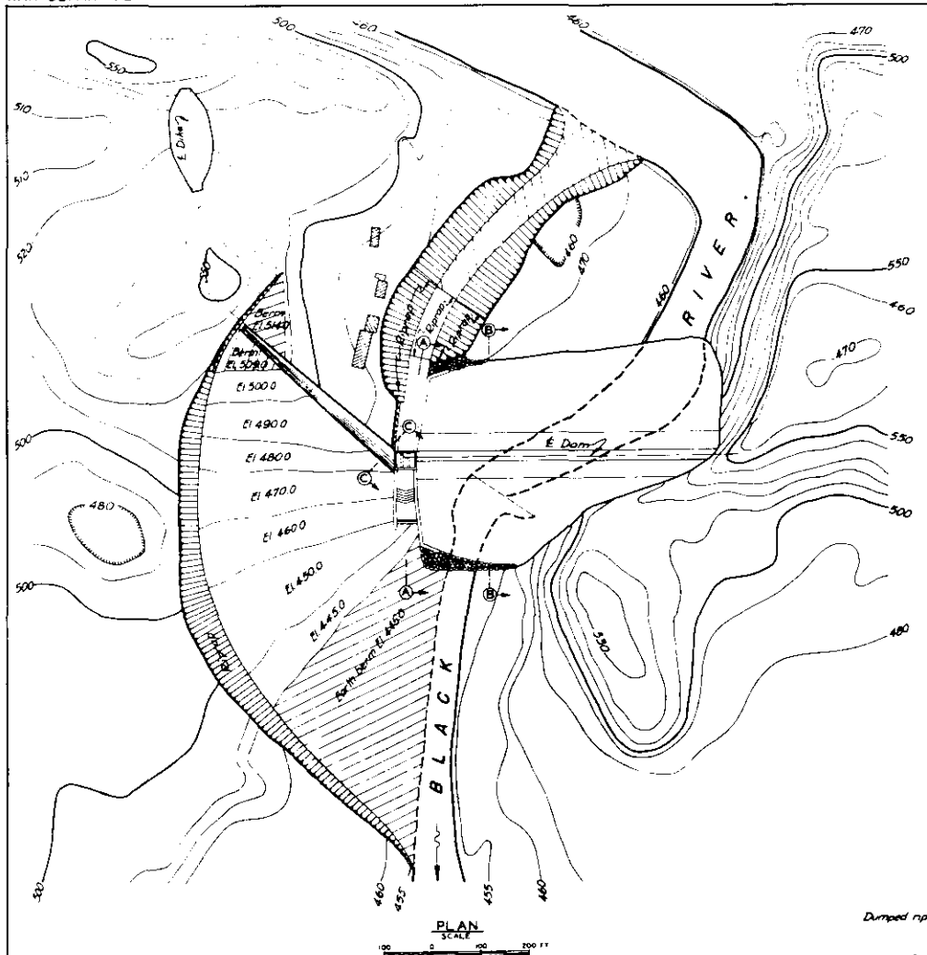
U.S. ENGINEER OFFICE

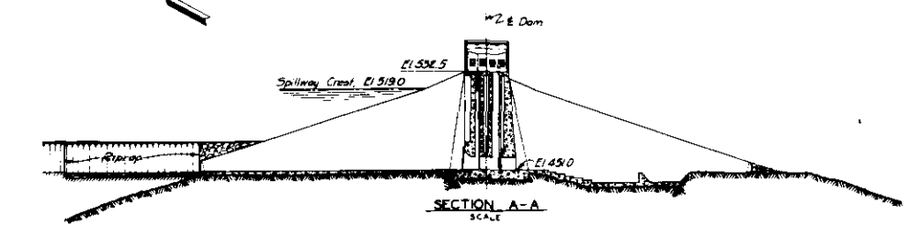
PROVIDENCE, R.I.

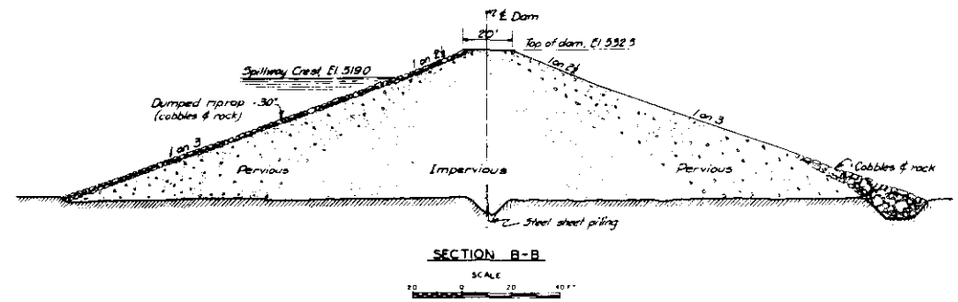
SCALE

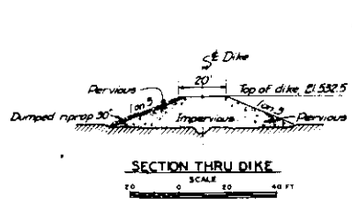
0 1/4 1/2 MI.

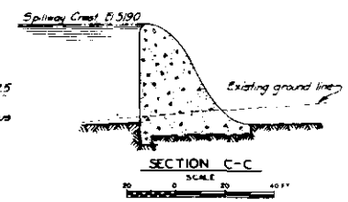
IN 3 SHEETS SHEET NO. 1

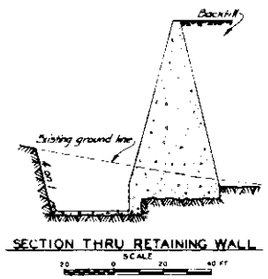


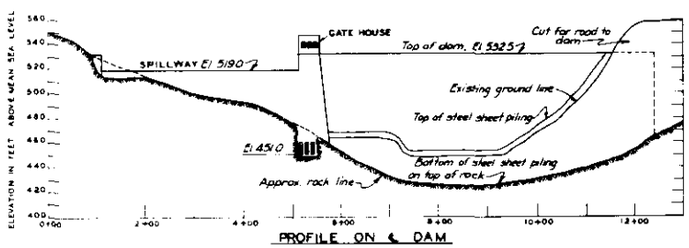


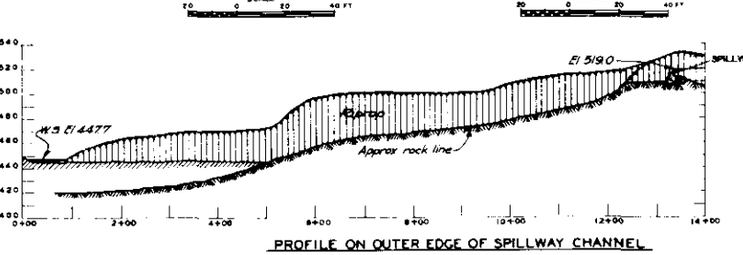












CONNECTICUT RIVER FLOOD CONTROL

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

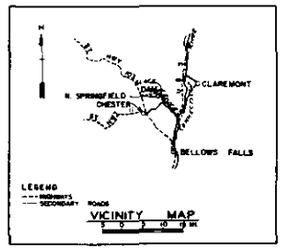
SUBMITTED: Engineer | APPROVAL RECOMMENDED: Division Engineer | APPROVED: Chief of Engineers, U.S. Army

DRAWN BY C.P. TRACED BY P.O.S.M. CHECKED BY J.C.S.

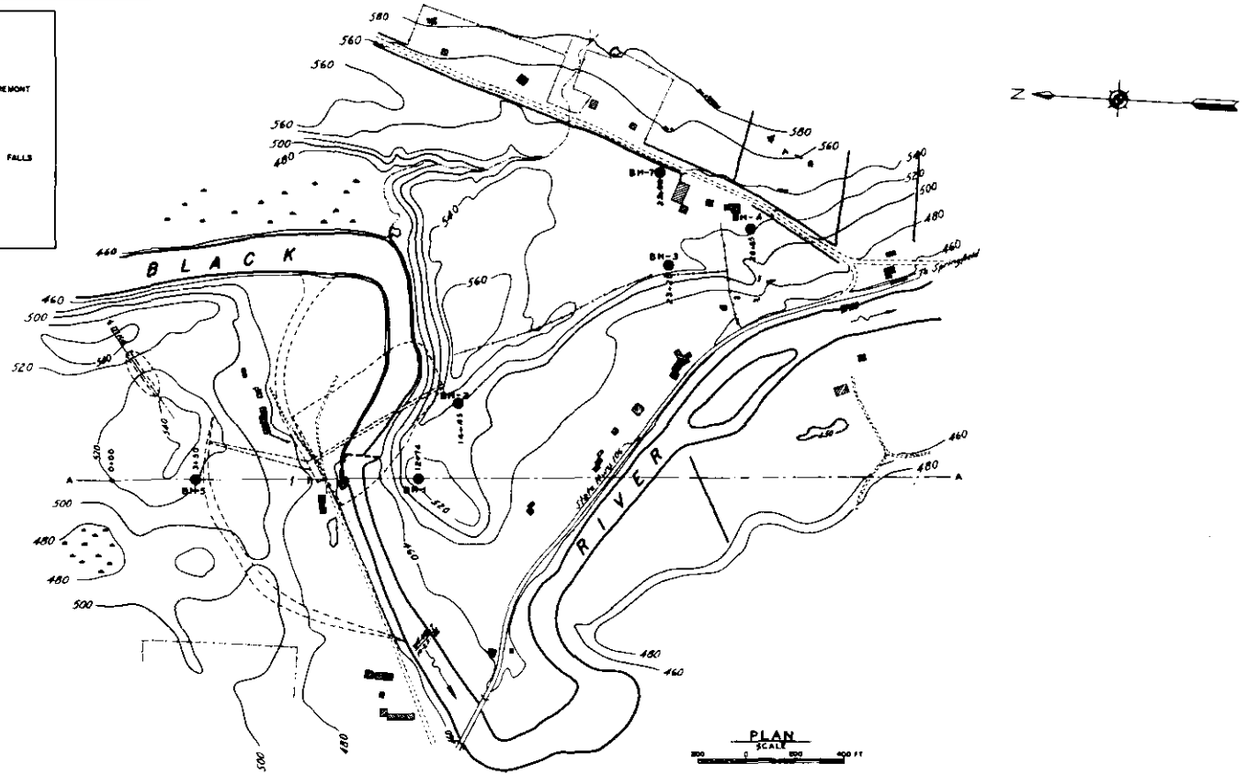
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO CT-1-1030A

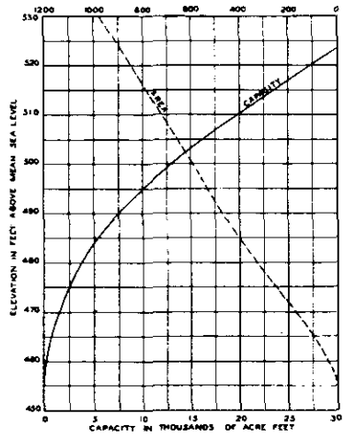
SEC. 4 - PLATE NO. 104



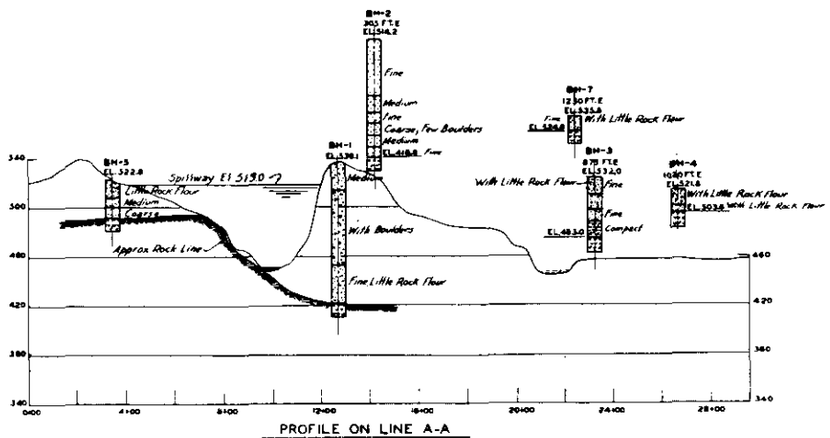
VICINITY MAP



PLAN
SCALE



AREA AND CAPACITY CURVES



PROFILE ON LINE A-A

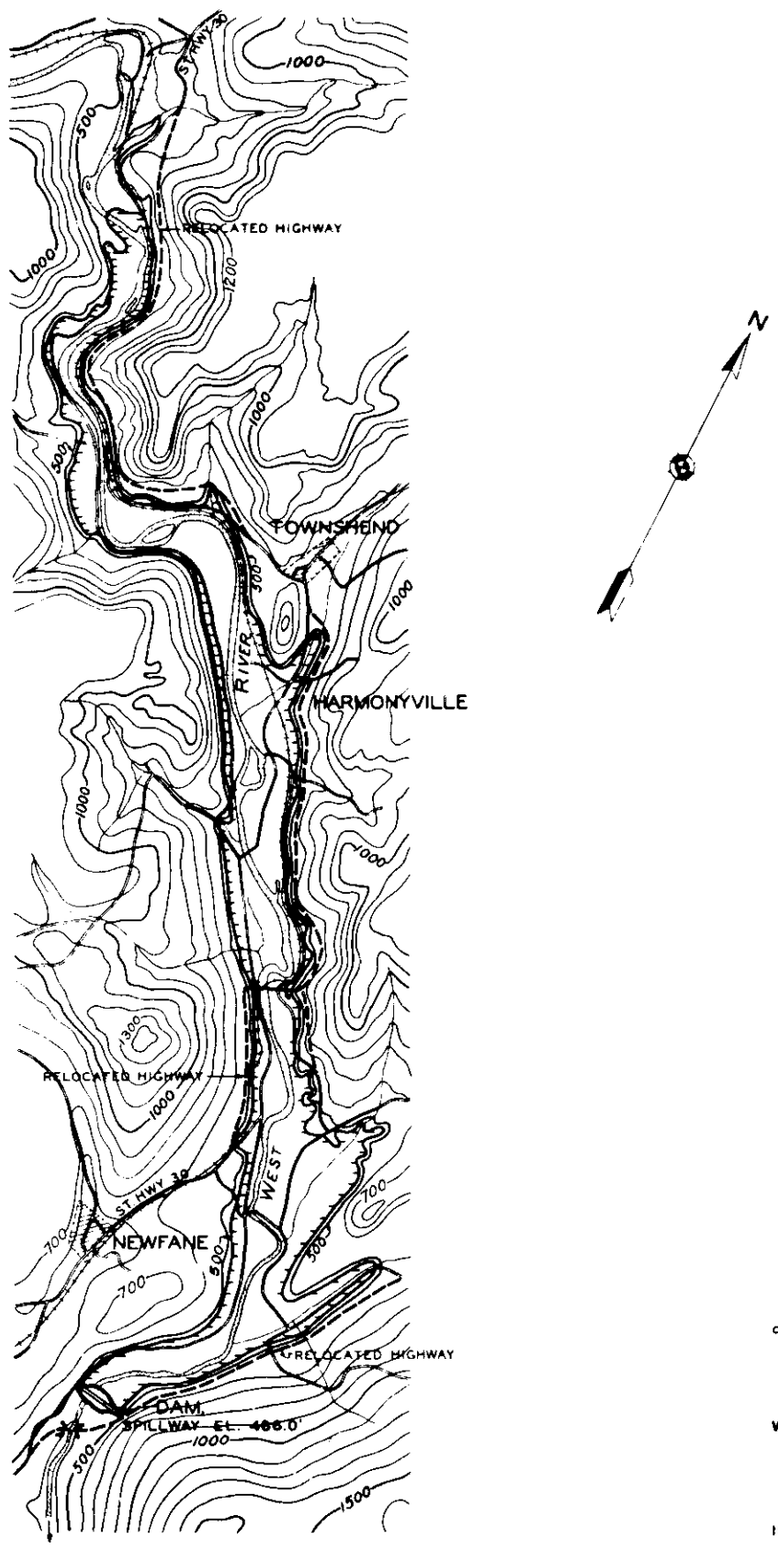
LEGEND

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

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

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: Frank E. Fahlgren, GEOLOGIST
APPROVAL RECOMMENDED: Clarence E. Rosch, PRINCIPAL ENGINEER
APPROVED: Wm. J. Lowry, LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY: D.P.
TRACED BY: V.A.T.
CHECKED BY: A.H.P.
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-2-1014A

SEC. 4 - PLATE NO. 105



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

NEWFANE DAM

NO. 40-A

WEST RIVER, VERMONT

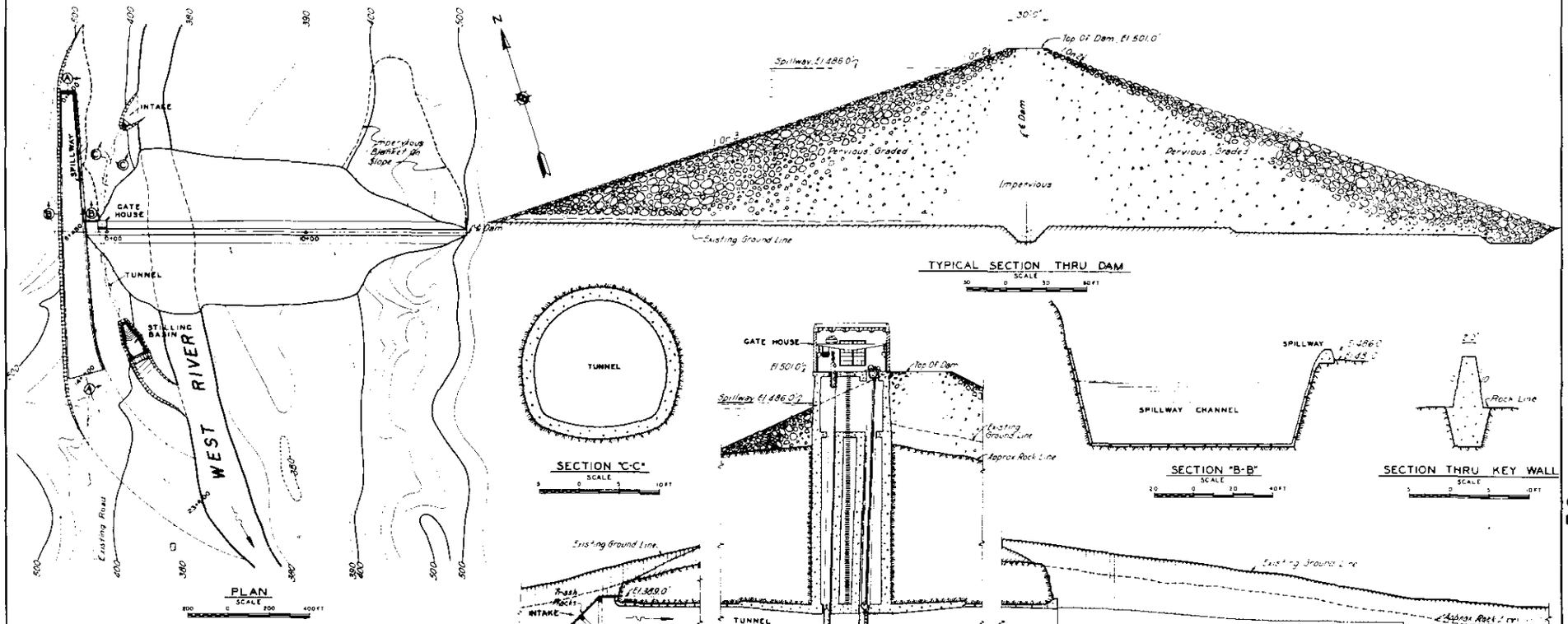
U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

0 ½ 1 MI.

IN 3 SHEETS SHEET NO:



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

NEWFANE DAM

NO. 40-A

WEST RIVER, VERMONT

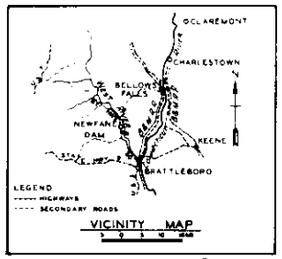
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 2

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

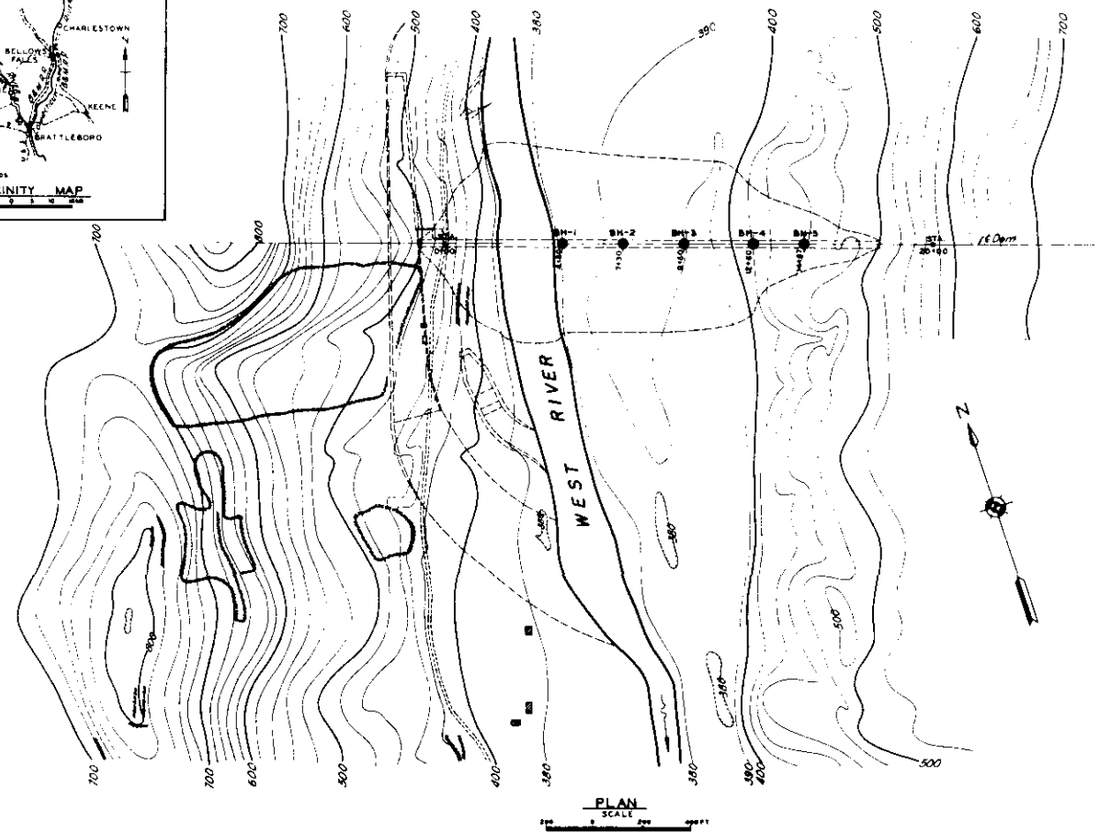
SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY J.C., J.E.M. | TRACED BY E.A.P. | CHECKED BY M.M.P. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO CT-1-1032A

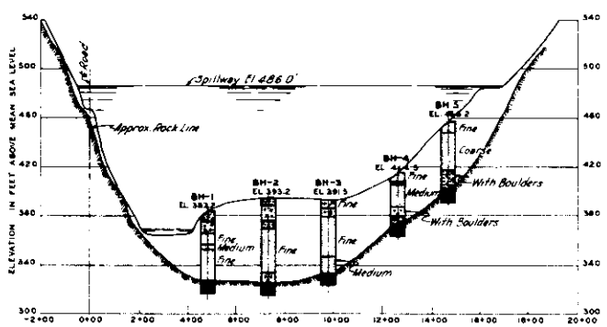
SEC. 4 - PLATE NO. 107



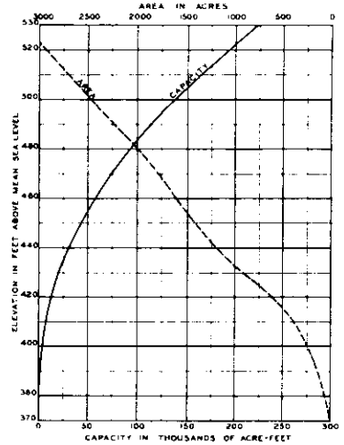
VICINITY MAP



PLAN



PROFILE ON ℄ DAM



AREA AND CAPACITY CURVES

LEGEND

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

NOTE.

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

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

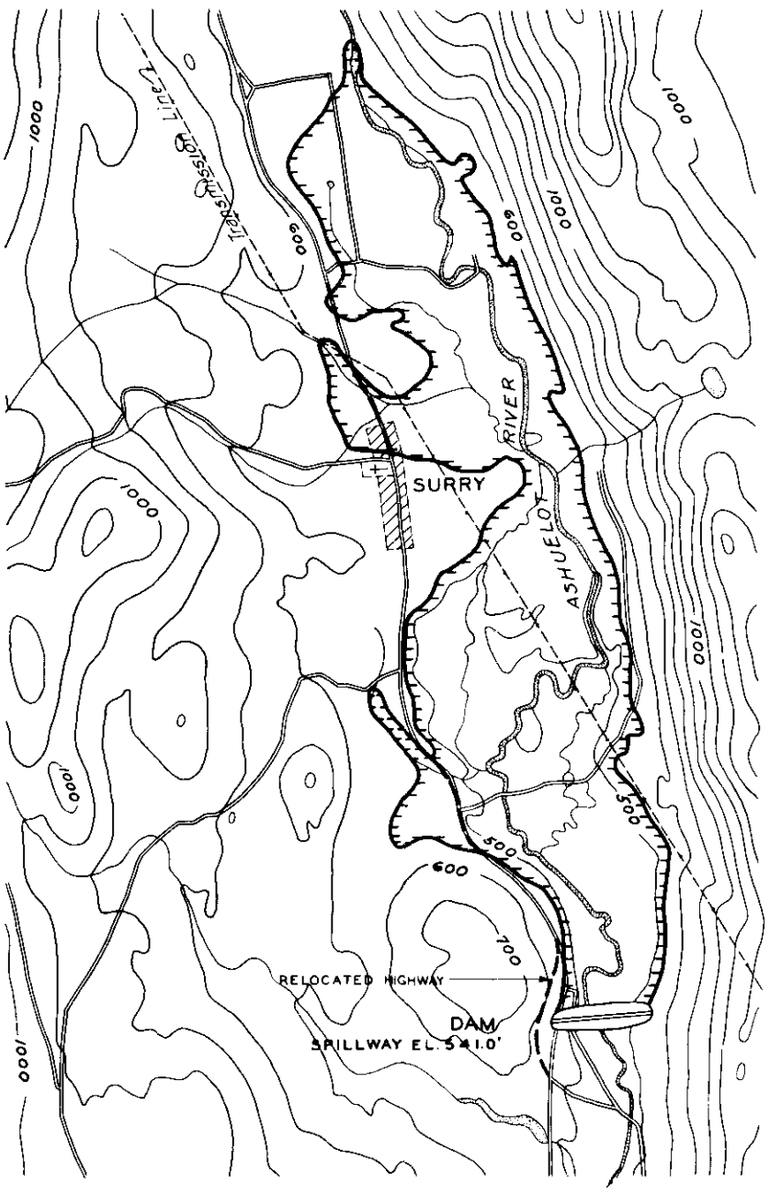
SUBMITTED: GEOLOGIST | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT COL., CORPS OF ENGINEERS, U.S.ARMY, DIVISION ENGINEER

DRAWN BY F.S. TRACED BY G.A.P. CHECKED BY J.A.B.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO CT-2-1015A

SEC 4 - PLATE NO 108



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

SURRY MOUNTAIN DAM

NO. 57-A

ASHUELOT RIVER, NEW HAMPSHIRE

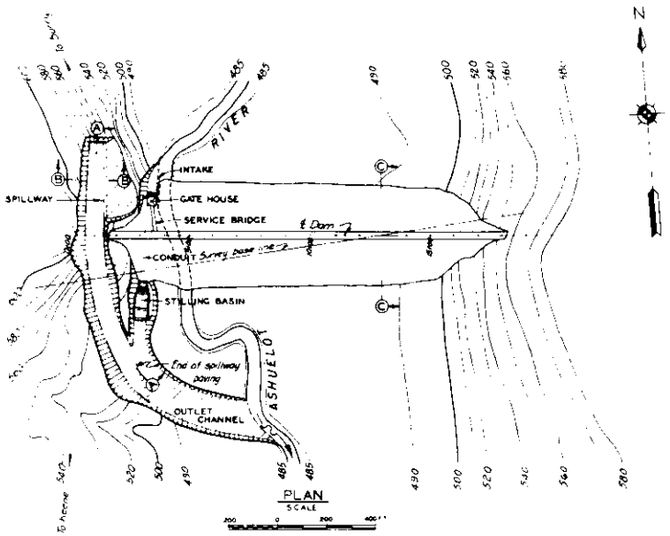
U.S. ENGINEER OFFICE

PROVIDENCE, R. I.

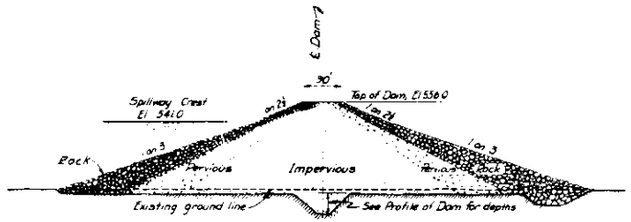
SCALE

0 ½ ½ MI.

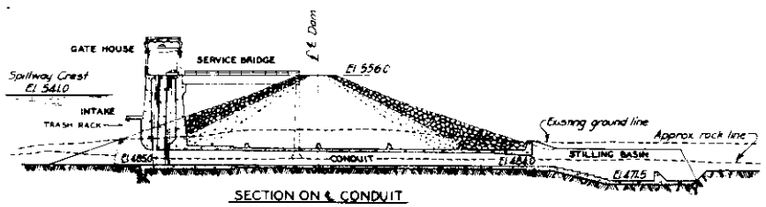
IN 3 SHEETS SHEET NO. 1



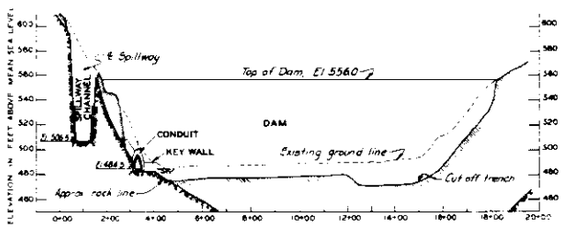
PLAN
SCALE



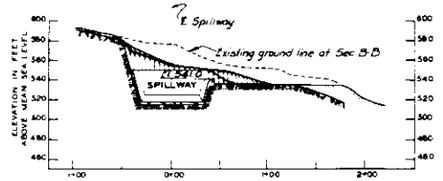
SECTION C-C
SCALE



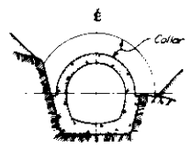
SECTION ON ℄ CONDUIT
SCALE



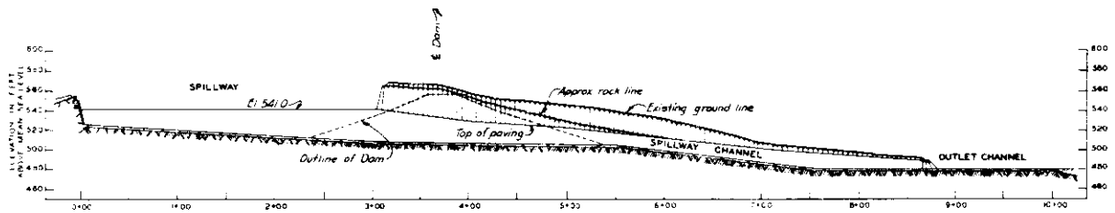
PROFILE ON ℄ DAM



SECTION B-B



SECTION THRU CONDUIT
SCALE

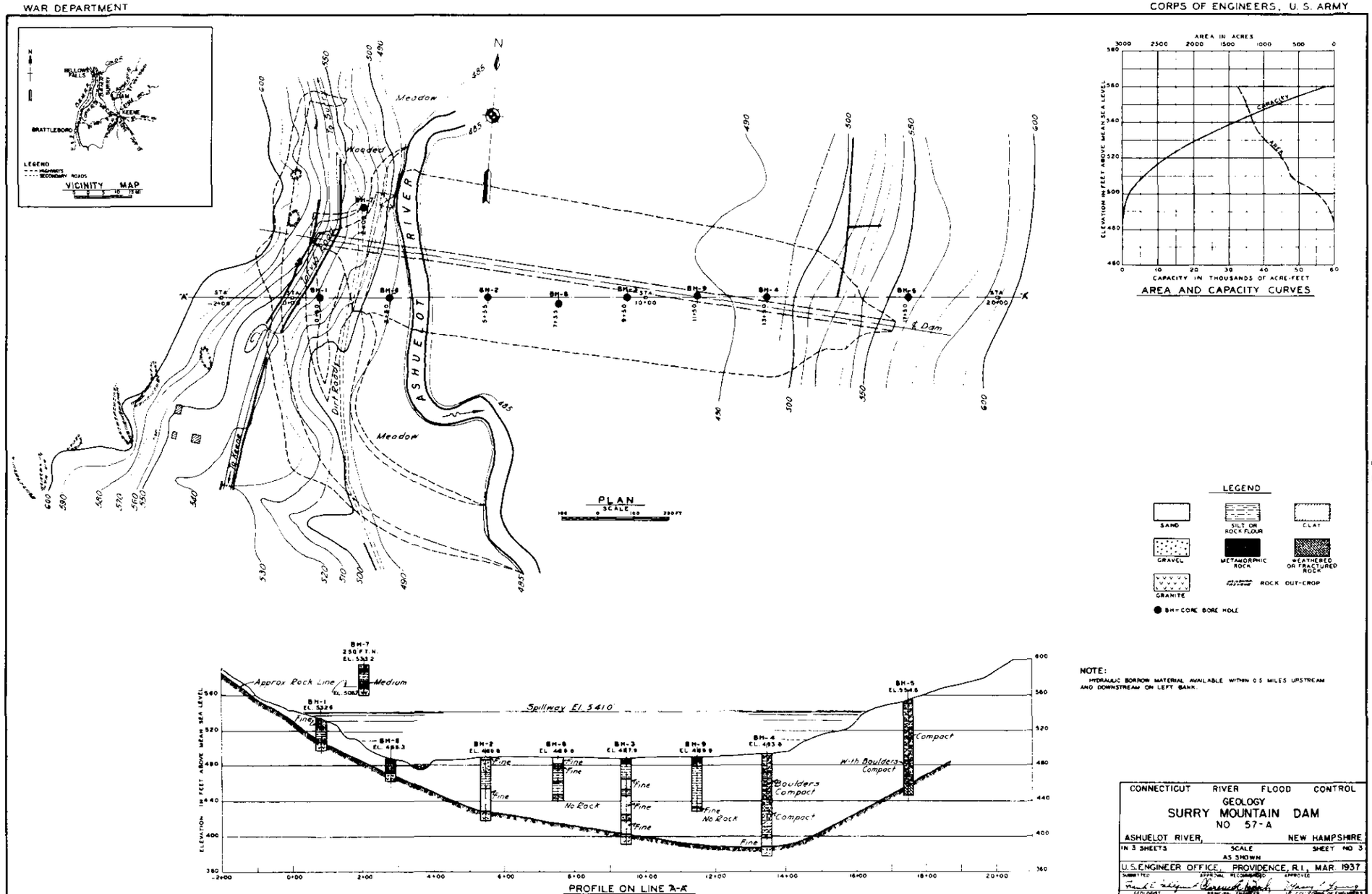


SECTION A-A

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 | APPROVAL RECOMMENDED | APPROVED
DRAWN BY W.D.M.
TRACED BY W.B.M.
CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-1-1034A

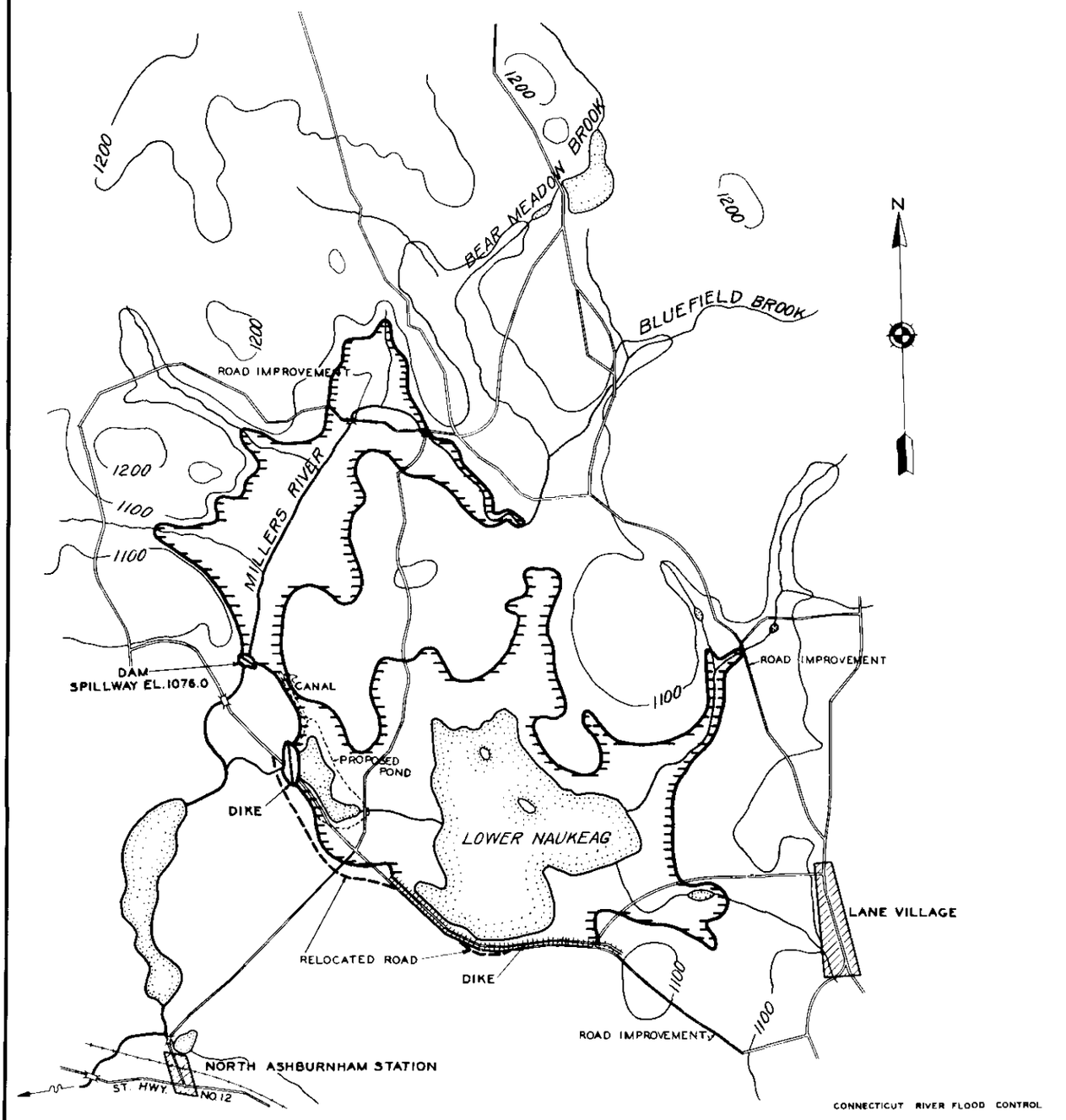
WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



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 APPROVAL RECOMMENDED APPROVED
GEOLOGIST PRINCIPAL ENGINEER LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY D.F. TRACED BY J.F.J. CHECKED BY J.W.B.
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-2-1016A



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

LOWER NAUKEAG DAM NO. 59

MILLERS RIVER, MASS.

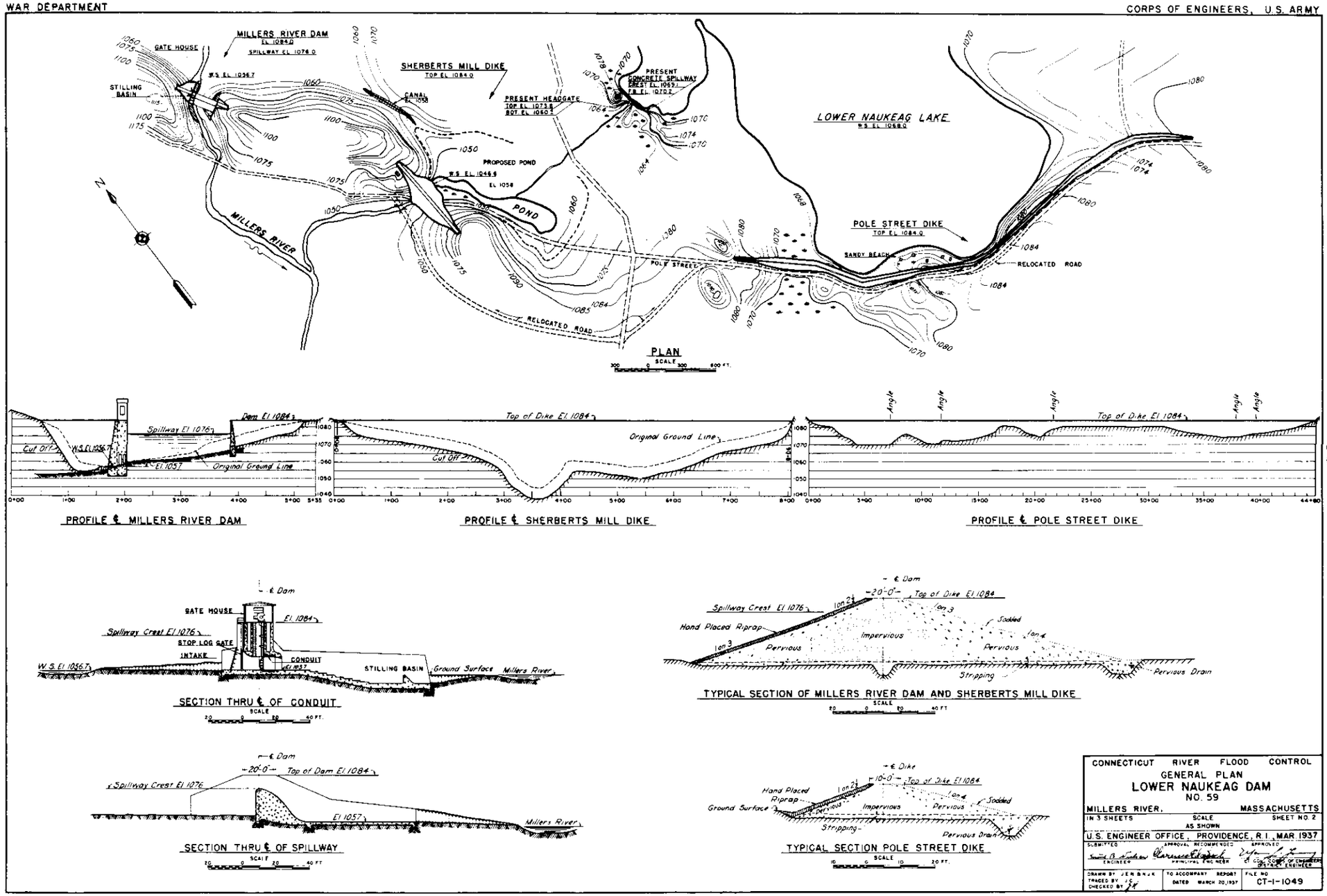
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.

SCALE
0 1/4 1/2 MI.

IN 3 SHEETS SHEET NO. 1

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



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

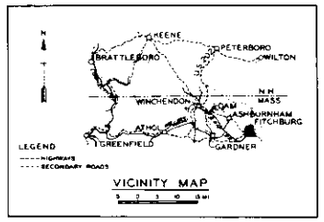
SUBMITTED — ENGINEER — APPROVAL RECOMMENDED — PRINCIPAL ENGINEER — APPROVED — CT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY J.E.B. & N.J.K. TRACED BY J.C. CHECKED BY J.K.

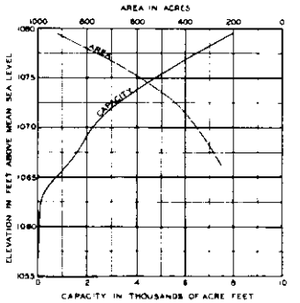
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-1-1049

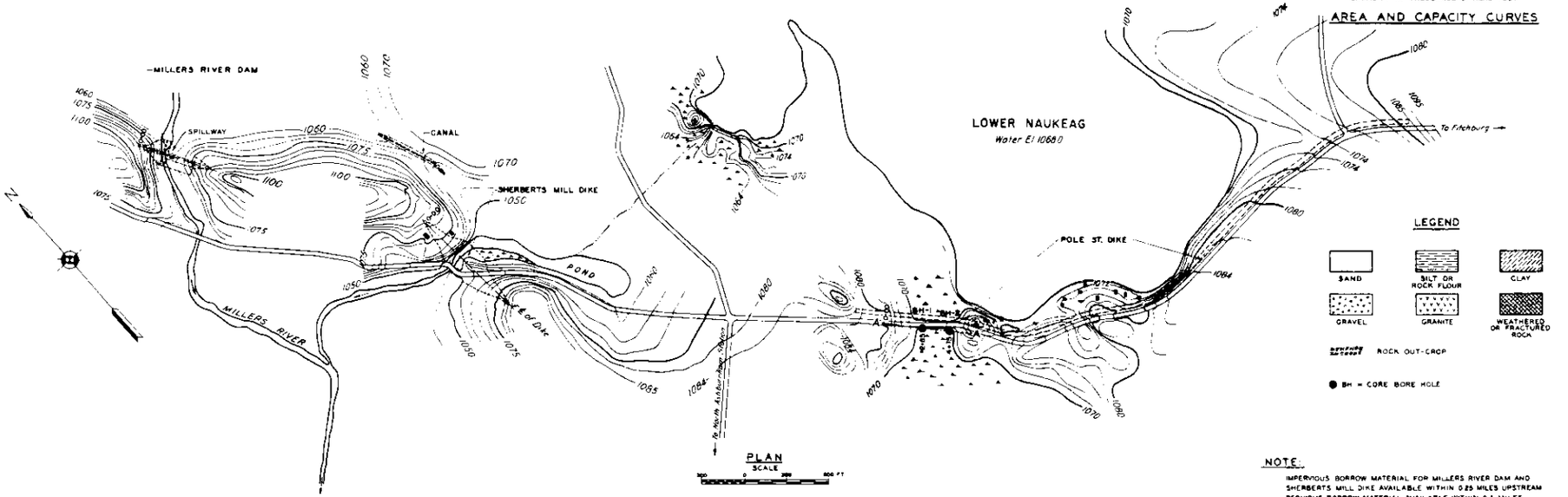
SEC 4 - PLATE NO. 113



VICINITY MAP



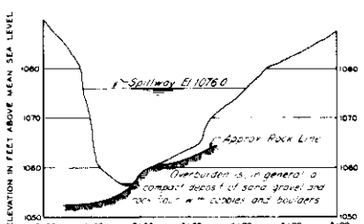
AREA AND CAPACITY CURVES



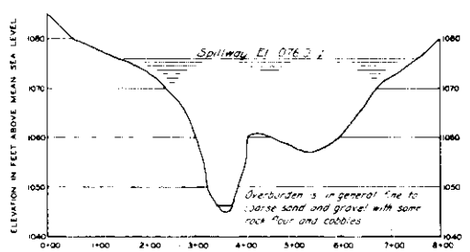
PLAN
SCALE

NOTE.

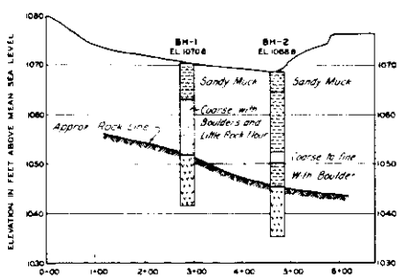
IMPERVIOUS BORROW MATERIAL FOR MILLERS RIVER DAM AND SHERBERTS MILL DIKE AVAILABLE WITHIN 0.25 MILES UPSTREAM PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES DOWNSTREAM. BOTH CLASSES OF MATERIAL FOR POLE STREET DIKE AVAILABLE WITHIN 0.5 MILES



PROFILE ON ℄ OF MILLERS RIVER DAM

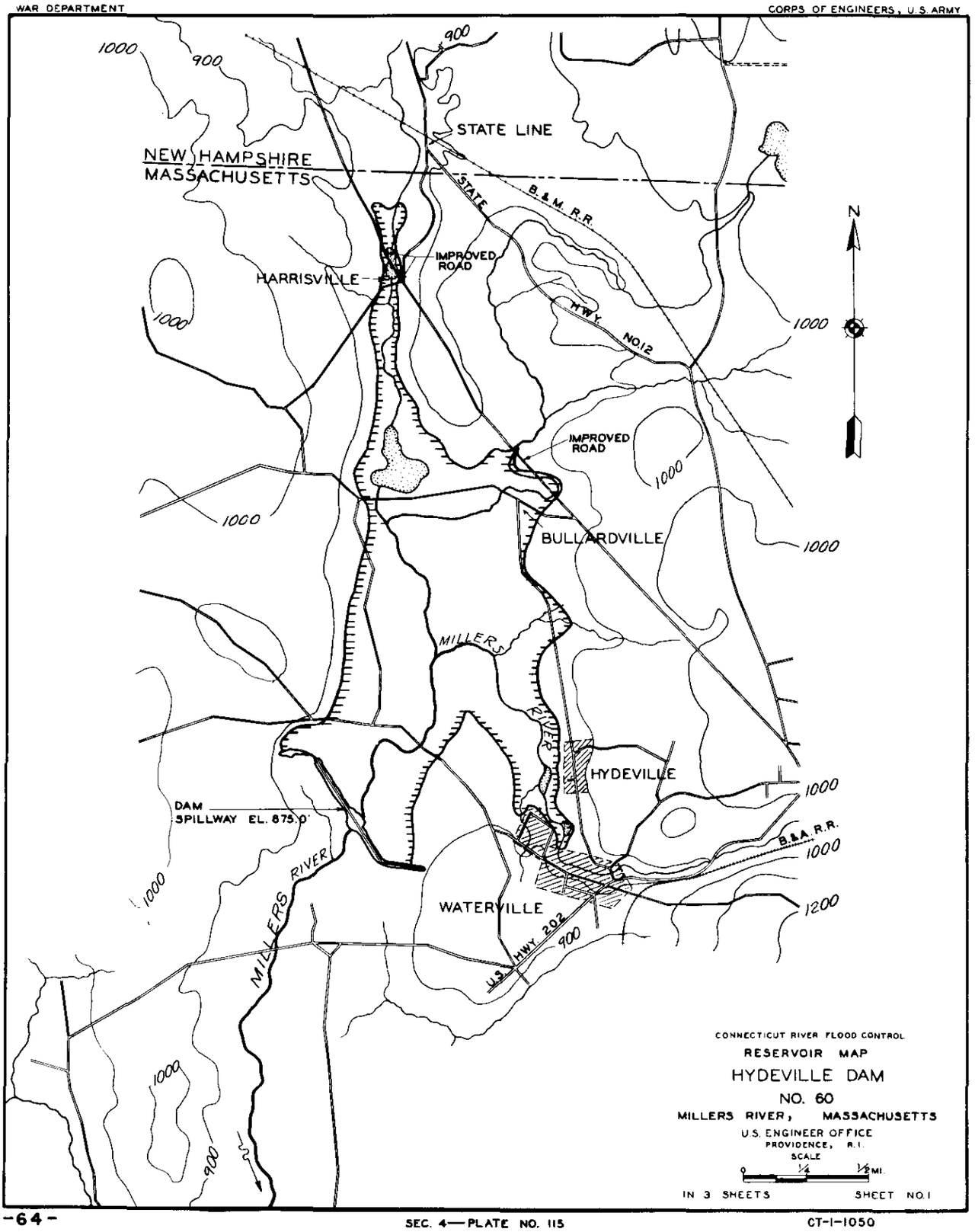


PROFILE ON ℄ OF SHERBERTS MILL DIKE



PROFILE ON LINE 'A-A'
POLE STREET DIKE

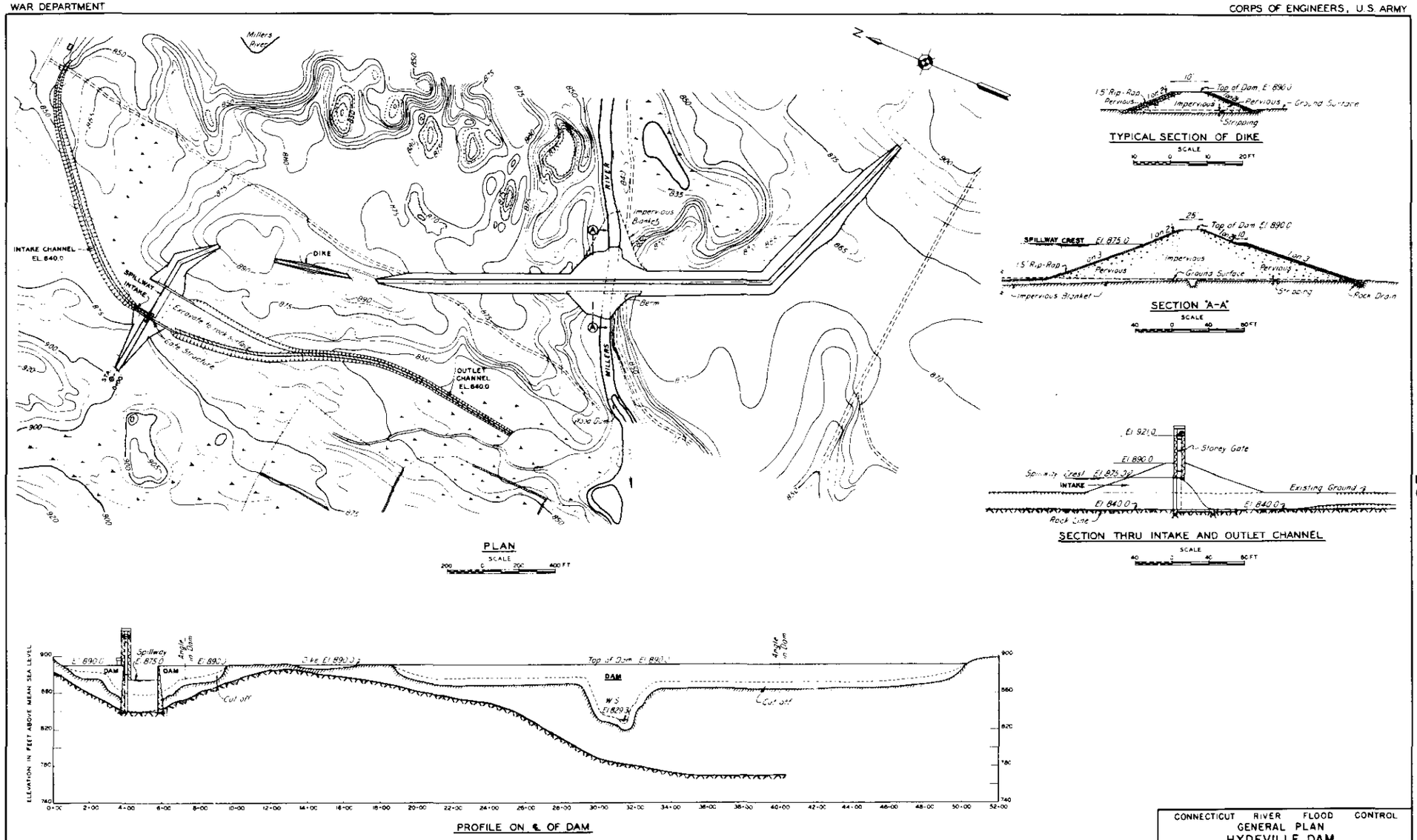
CONNECTICUT RIVER FLOOD CONTROL		
GEOLOGY		
LOWER NAUKEAG DAM		
NO. 59		
MILLERS RIVER,		MASSACHUSETTS
IN 3 SHEETS	SCALE AS SHOWN	SHEET NO. 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR 1937		
SUBMITTED	APPROVAL RECOMMENDED	APPROVED
GEOLOGIST	PRINCIPAL ENGINEER	Lt. Col. Corps of Engineers, District Engineer
DRAWN BY JCP TRACED BY D.L.H. CHECKED BY J.C.P.	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-2-1021



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

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

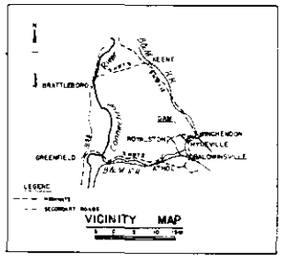


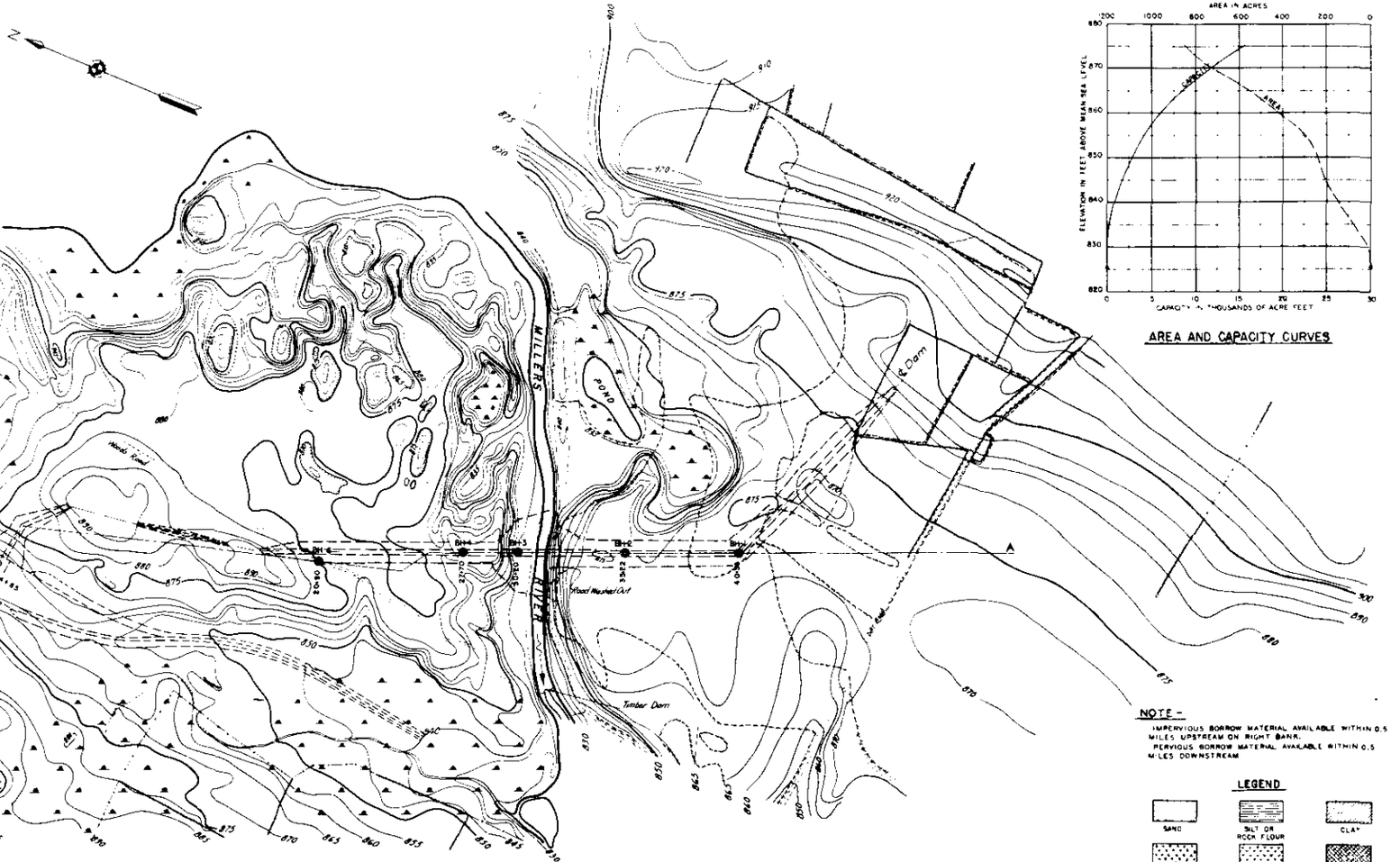
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
HYDEVILLE DAM
NO. 60
MILLERS RIVER, MASSACHUSETTS
IN 3 SHEETS SCALE AS SHOWN SHEET NO. 2
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED APPROVAL RECOMMENDED APPROVED
ENGINEER PRINCIPAL ENGINEER COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY J.E.H. TRACED BY W.L.H. CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-1-1051

SEC. 4 - PLATE NO. 116

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY





AREA AND CAPACITY CURVES

NOTE -

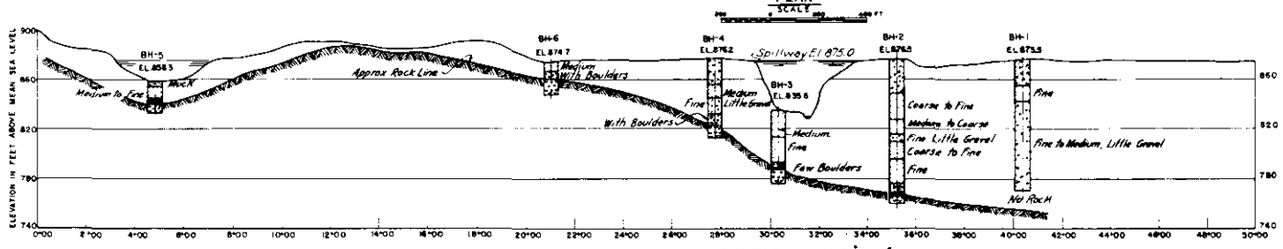
IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM ON RIGHT BANK.

PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES DOWNSTREAM

LEGEND

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

PLAN
SCALE



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

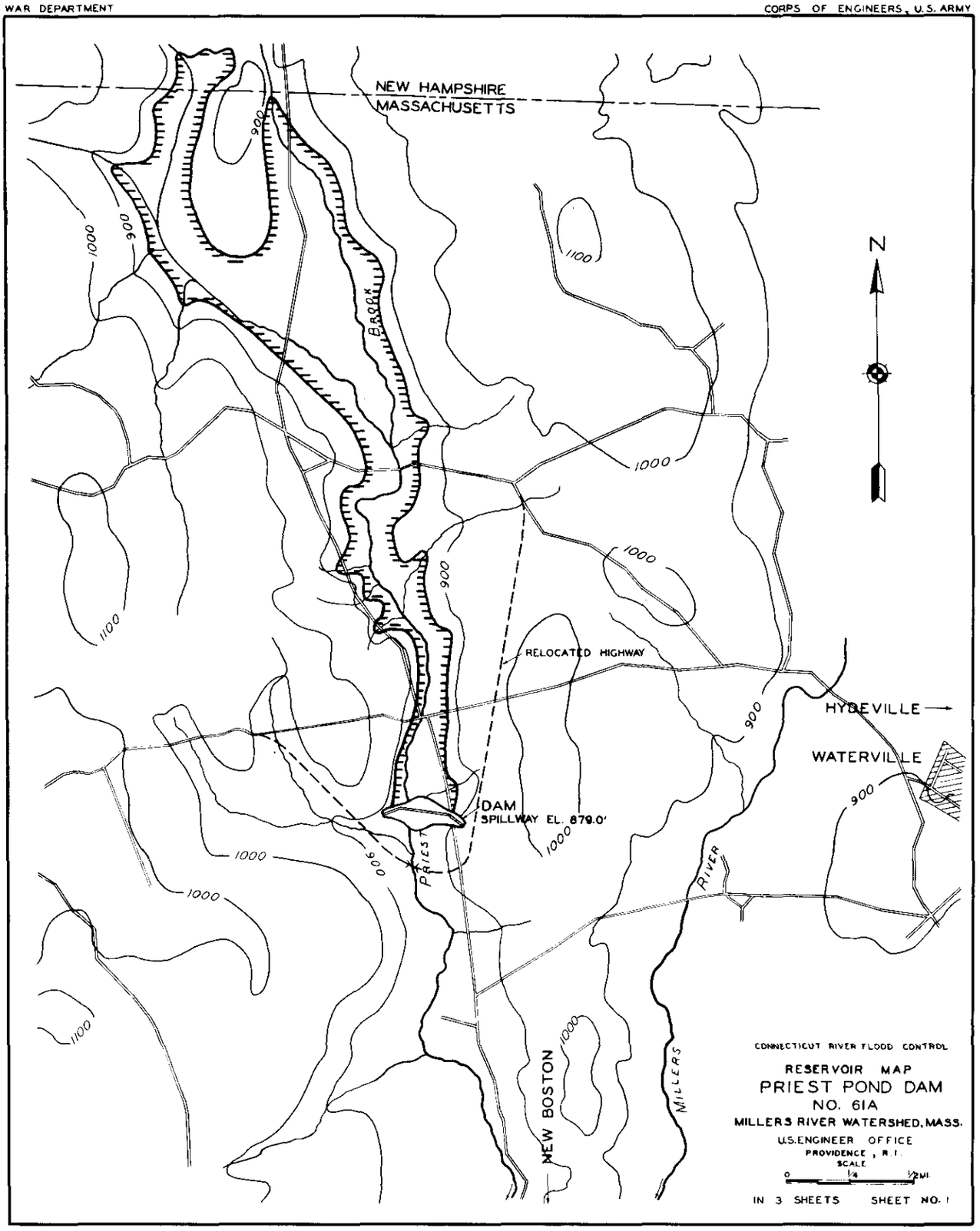
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED: Secretary | APPROVAL RECOMMENDED: Division Engineer | APPROVED: Colonel, Corps of Engineers, District Engineer

DRAWN BY J.E.P. TRACED BY V.A.T. CHECKED BY J.W.S.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO CT-2-1022



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

PRIEST POND DAM

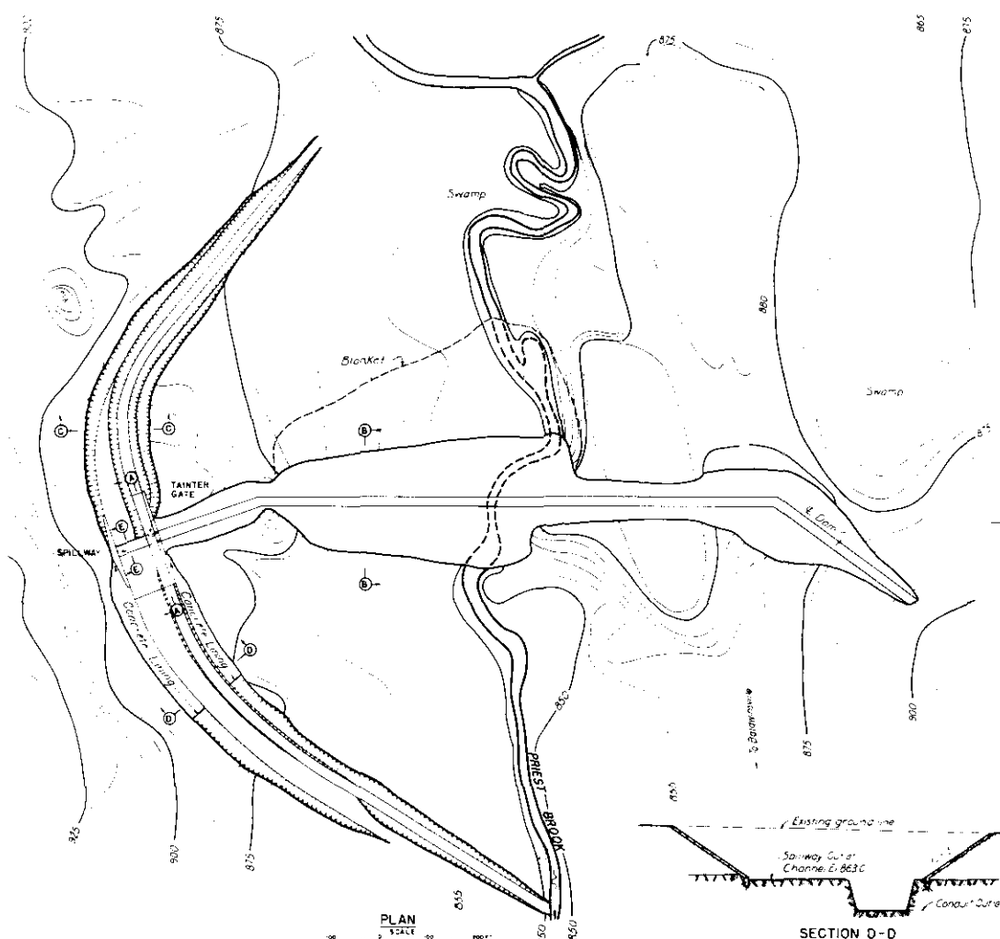
NO. 61A

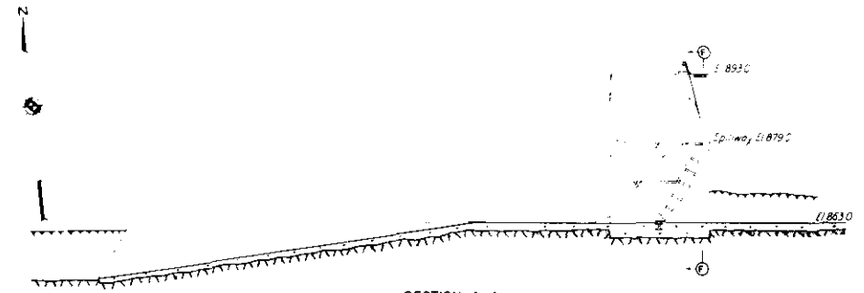
MILLERS RIVER WATERSHED, MASS.

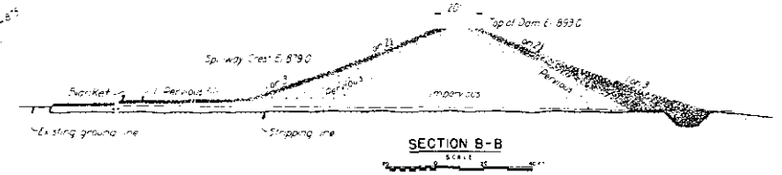
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.

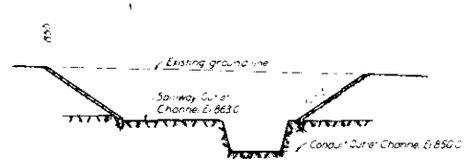
SCALE
0 1/4 1/2 MI.

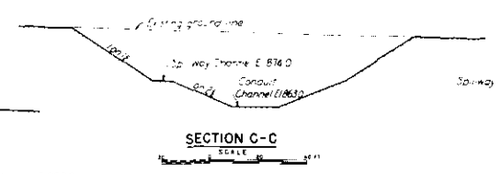
IN 3 SHEETS SHEET NO. 1

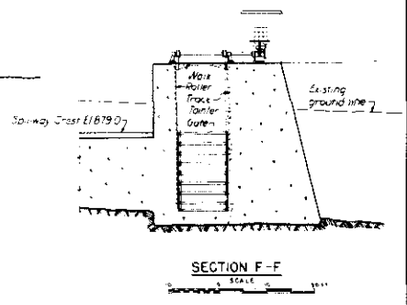


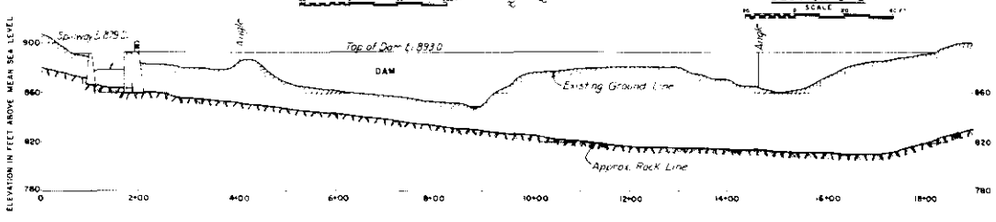




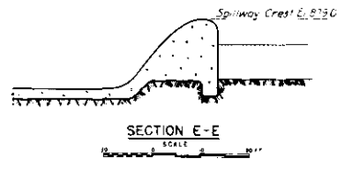








PROFILE ON ℄ DAM



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

PRIEST POND DAM

NO 61A

MILLERS RIVER WATERSHED, MASSACHUSETTS

IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 2

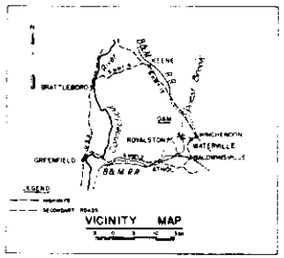
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

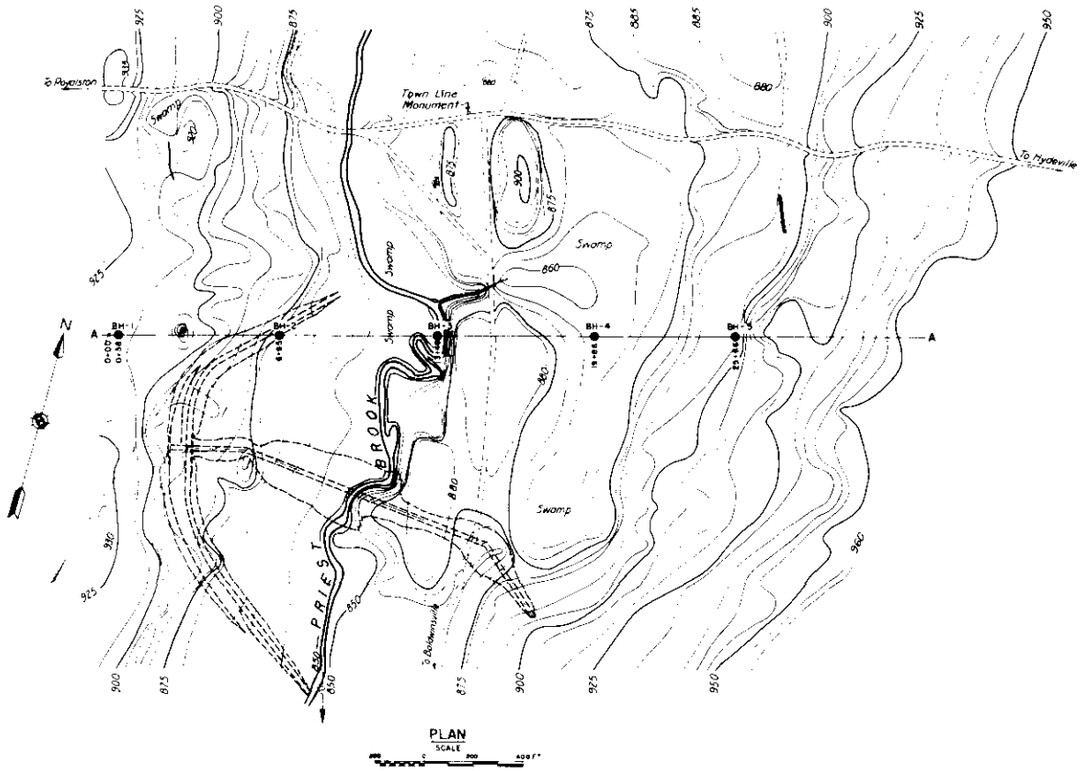
SUBMITTED: Howard M. Turner, ENGINEER | APPROVAL RECOMMENDED: Clarence Kadesch, PRINCIPAL ENGINEER | APPROVED: [illegible], COL., CORPS OF ENGINEERS, ASSISTANT ENGINEER

DRAWN BY D.P. TRACED BY H.W.J. CHECKED BY J.C.S.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

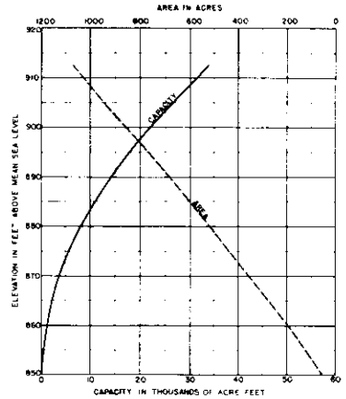
FILE NO CT-1-1053



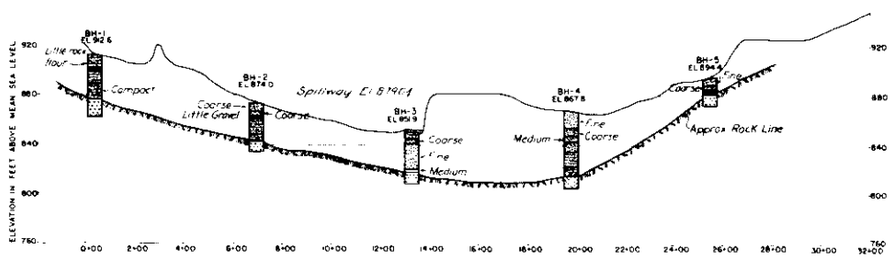


PLAN

SCALE 0 200 400 FT



AREA AND CAPACITY CURVES



PROFILE ON LINE "A-A"

NOTE:

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

LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
GRANITE
WEATHERED OR FRACTURED ROCK

ROCK OUT-CROP

BH-1 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

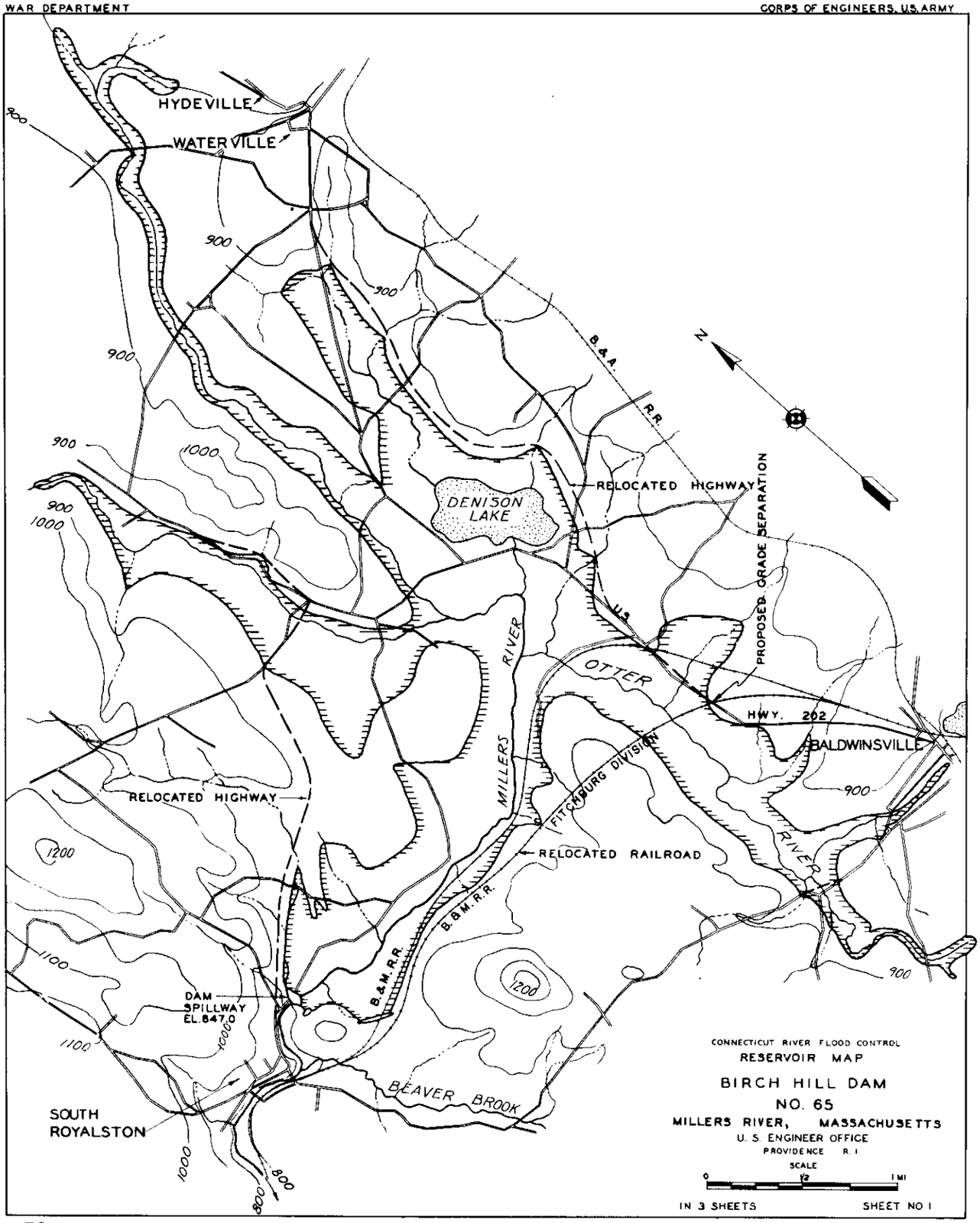
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

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

DRAWN BY J.E.P.
TRACED BY H.M.J.
CHECKED BY J.H.B.

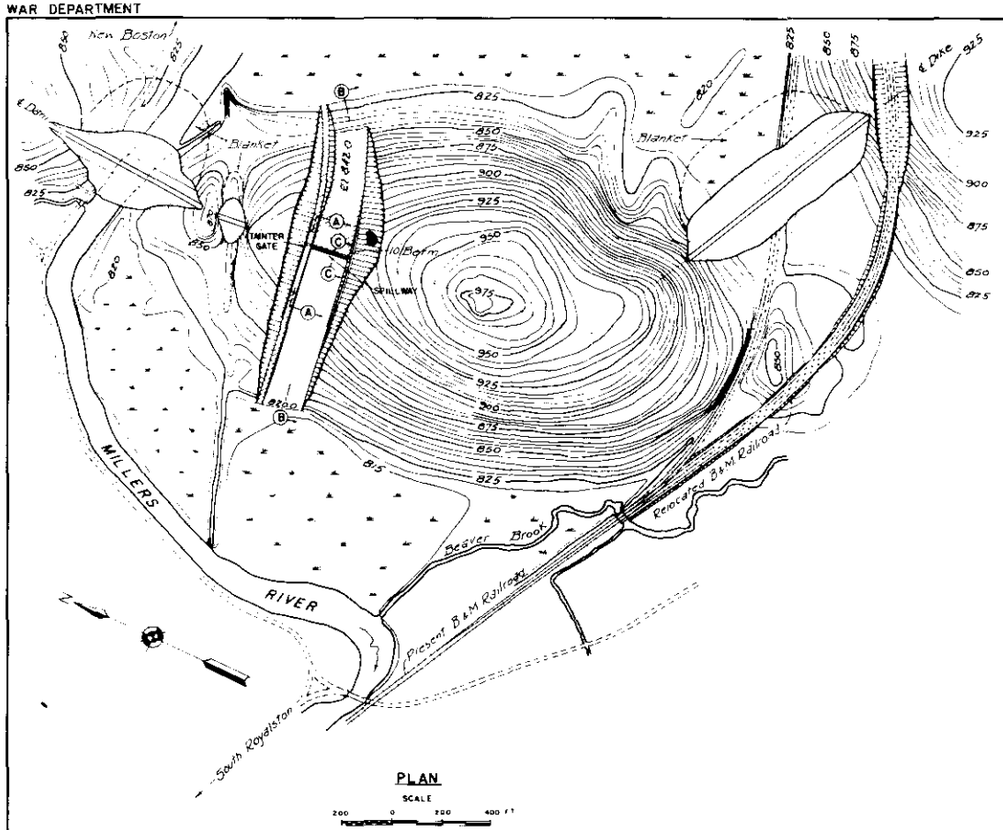
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO CT-2-1023



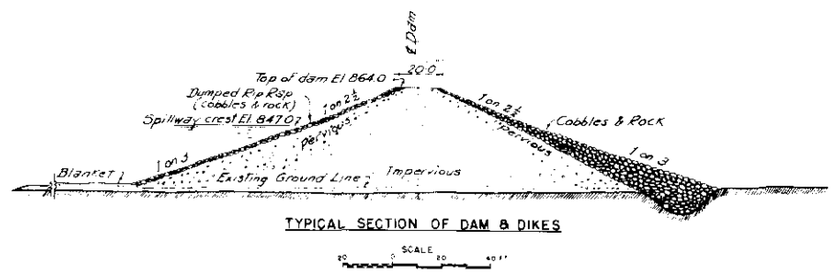
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP

BIRCH HILL DAM
NO. 65
MILLERS RIVER, MASSACHUSETTS
U. S. ENGINEER OFFICE
PROVIDENCE R. I.
SCALE
0 ½ 1 MI
IN 3 SHEETS SHEET NO 1



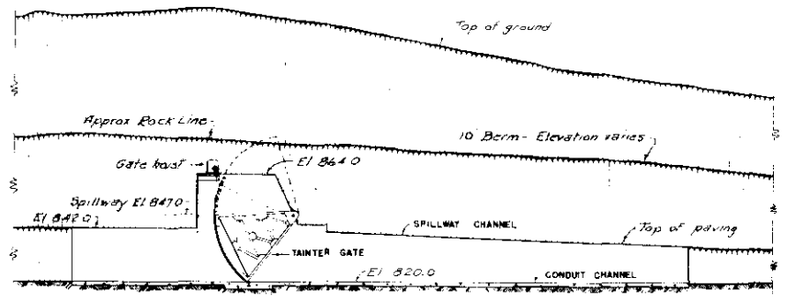
PLAN

SCALE



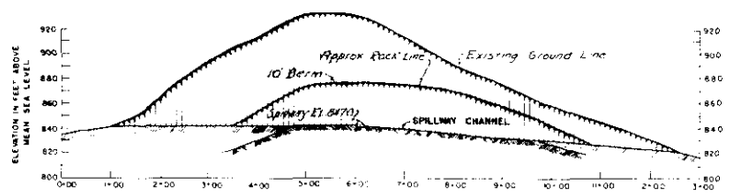
TYPICAL SECTION OF DAM & DIKES

SCALE

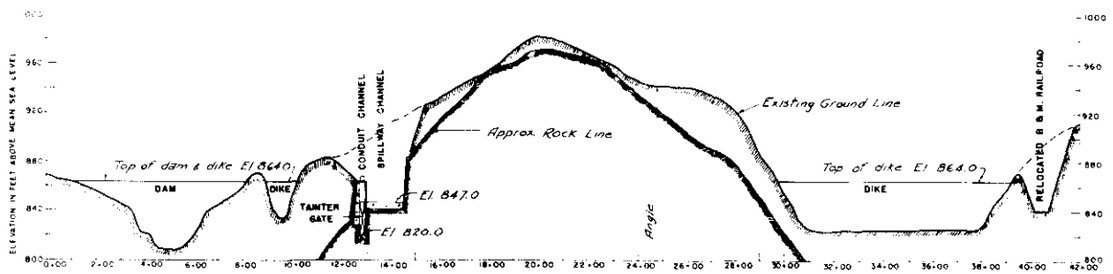


SECTION "A-A"

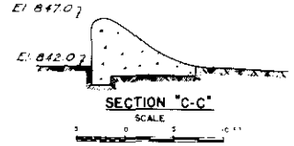
SCALE



PROFILE "B-B"



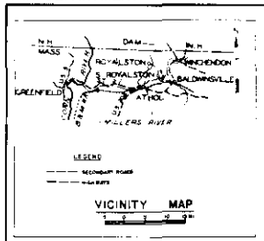
PROFILE ON ℄ OF DAM, DIKES, & SPILLWAY

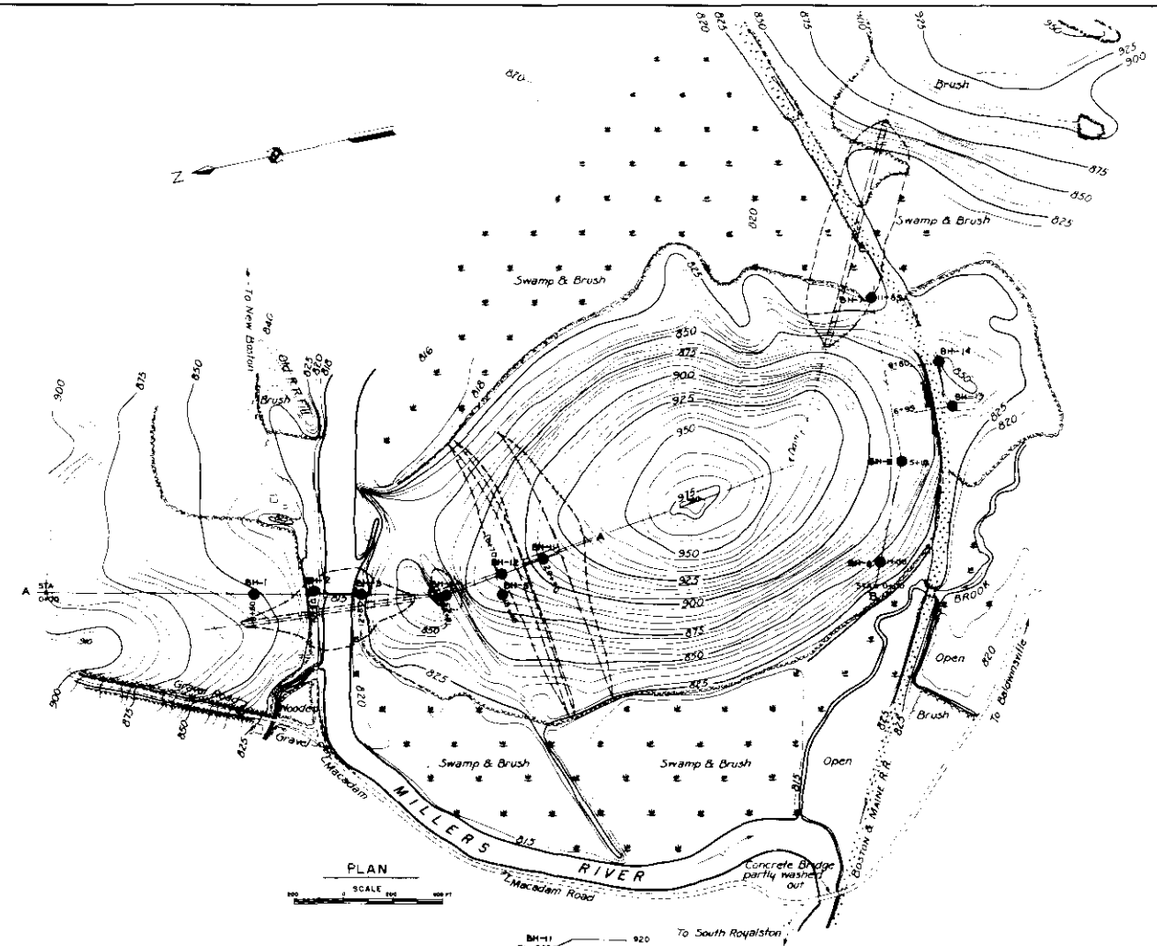


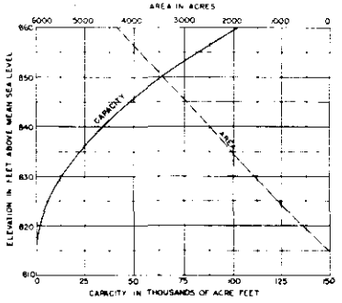
SECTION "C-C"

SCALE

CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
BIRCH HILL
NO 65
MILLERS RIVER WATERSHED. 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 E. L. M.
TRACED BY E. L. M.
CHECKED BY J. C. P.
TC A/COMPANY REPORT DATED MARCH 20, 1937
FILE NO CT-1-1055







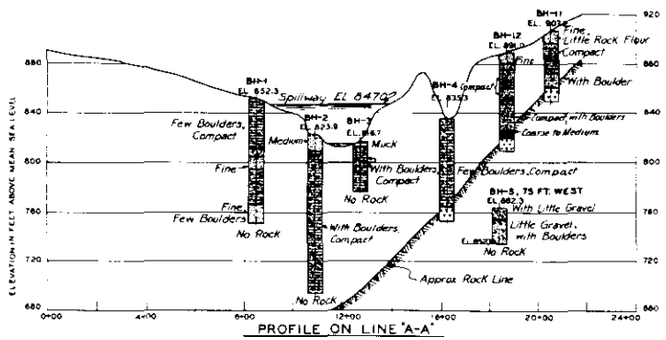
AREA AND CAPACITY CURVES

NOTE

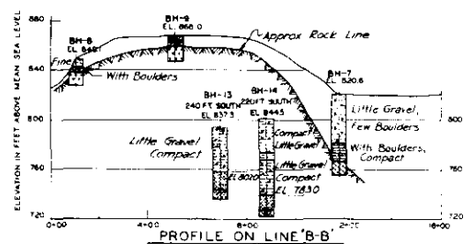
IMPERVIOUS AND PERVIOUS BORROW MATERIAL AVAILABLE FROM SELECTED PORTIONS OF SPILLWAY EXCAVATION SUPPLEMENTED BY ADDITIONAL MATERIAL WITHIN 0.3 MILES

LEGEND

SAND
SILT OR ROCK FLOUR
GRAVEL
CLAY
GRANITE
WEATHERED OR FRACTURED ROCK
ROCK OUT-CROP
BH-1 CORE BORING



PROFILE ON LINE 'A-A'



PROFILE ON LINE 'B-B'

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

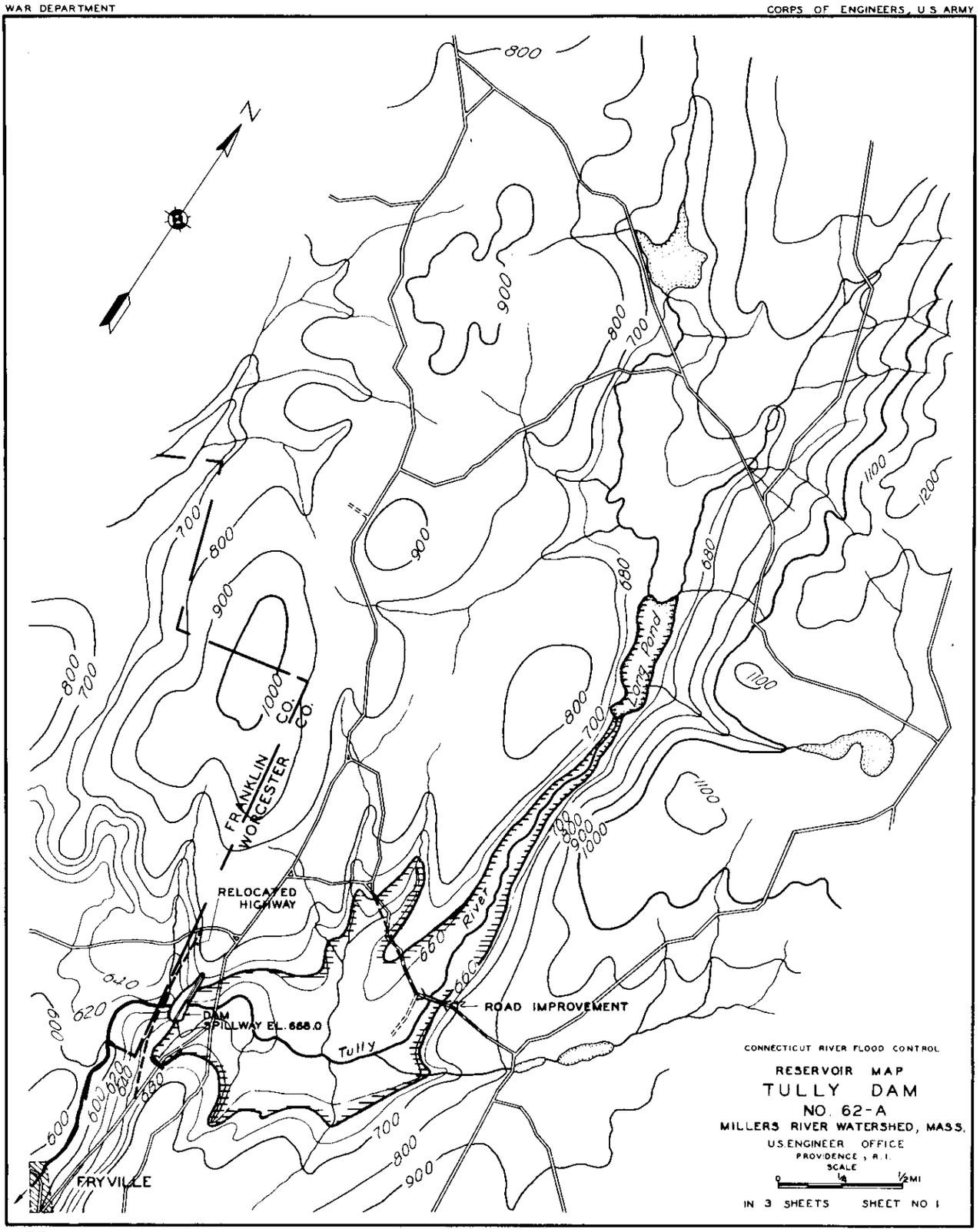
SUBMITTED: Frank E. Gallagher, GEOLOGIST | APPROVAL RECOMMENDED: Harrison Loder, PRINCIPAL ENGINEER | APPROVED: [illegible], COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

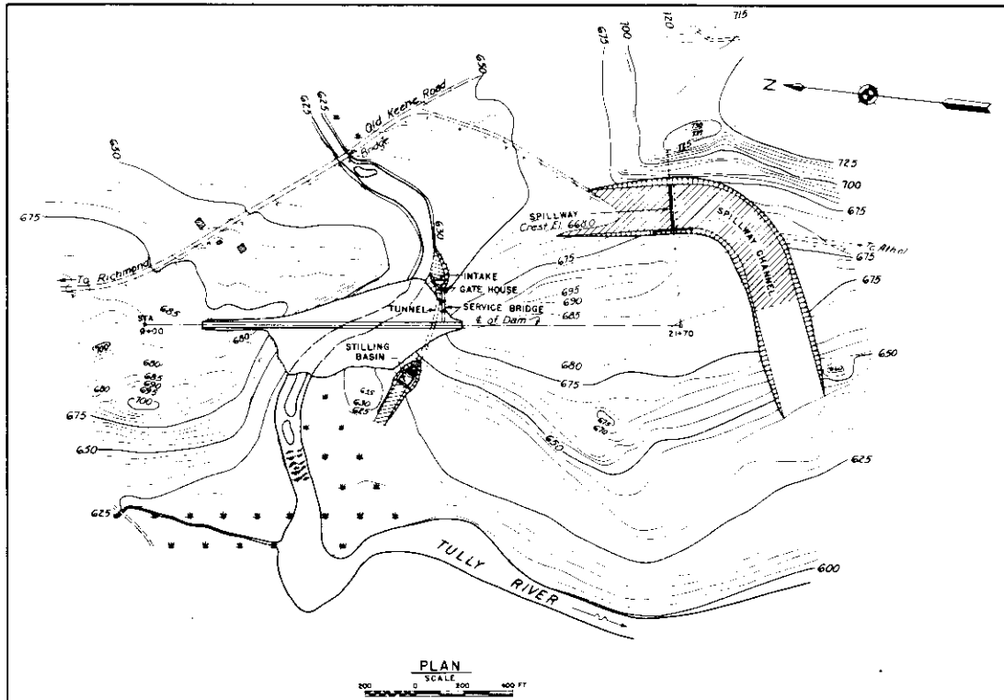
DRAWN BY J.I.P. TRACED BY E.E. CHECKED BY J-E

TO ACCOMPANY REPORT DATED MARCH 20 1937

FILE NO. CT-2-1024

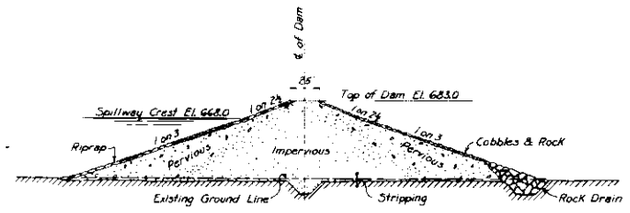
SEC. 4 - PLATE NO. 123


N
800
900
700
1000
1100
1200
680
660
640
620
600
FRANKLIN CO.
WORCESTER CO.
RELOCATED HIGHWAY
DAM
SPILLWAY EL. 668.0
Tully River
Long Pond
ROAD IMPROVEMENT
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



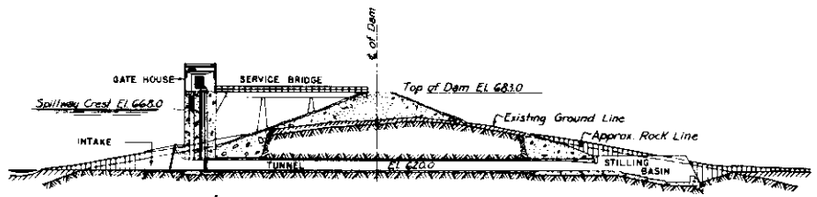
PLAN

SCALE 200 0 200 400 FT



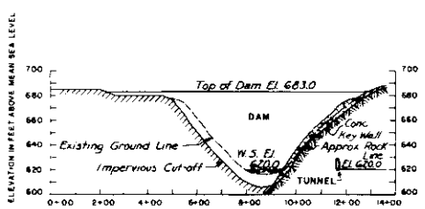
TYPICAL SECTION OF DAM

SCALE 40 0 40 80 FT

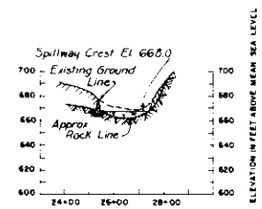


SECTION THROUGH ℄ OF TUNNEL

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

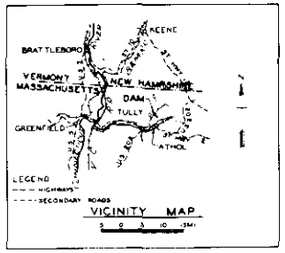
IN 3 SHEETS	SCALE AS SHOWN	SHEET NO. 2

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

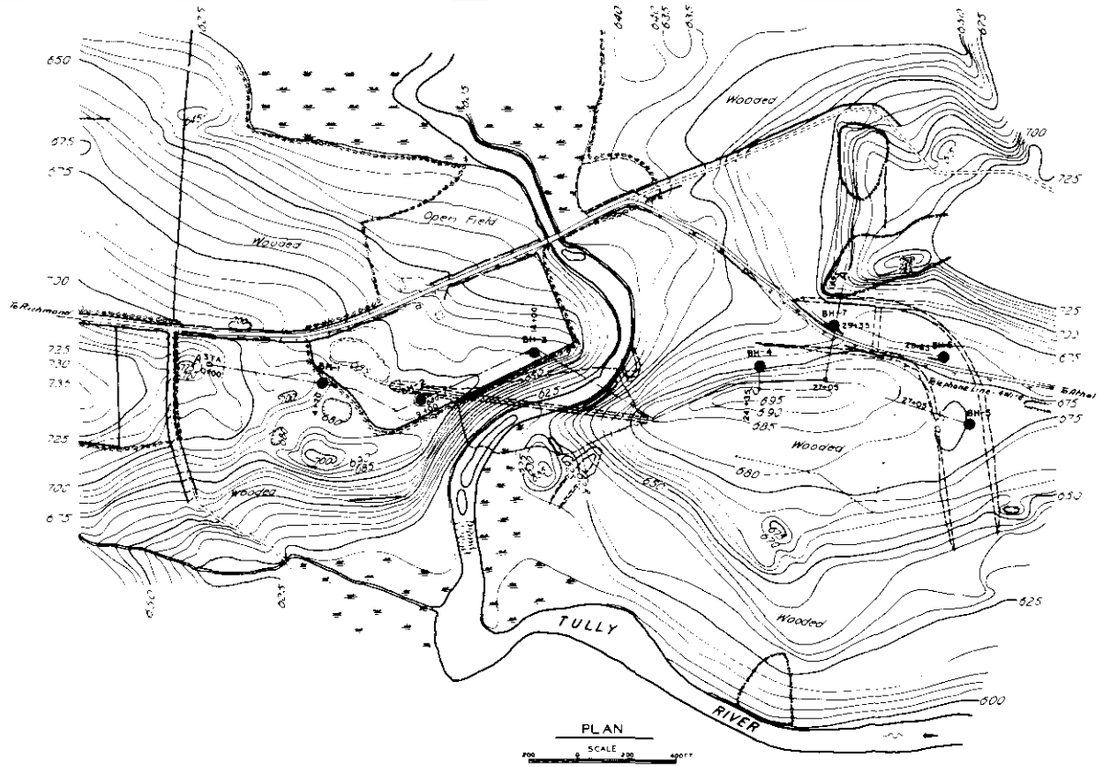
SUBMITTED: ENGINEER	APPROVAL RECOMMENDED: PRINCIPAL ENGINEER	APPROVED: LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY: J.E.M. TRACED BY: E.A. CHECKED BY:	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-1-1057

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

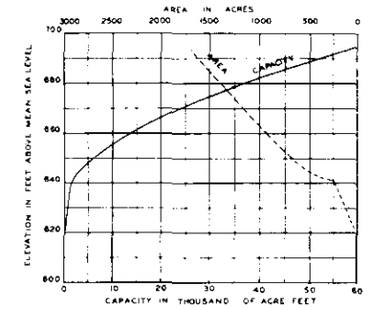


VICINITY MAP



PLAN

SCALE



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

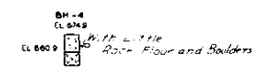
GRAVEL

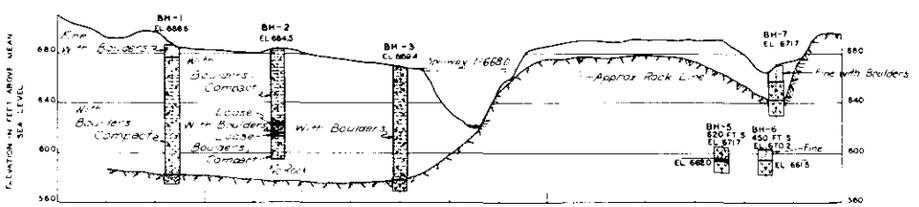
GRANITE

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

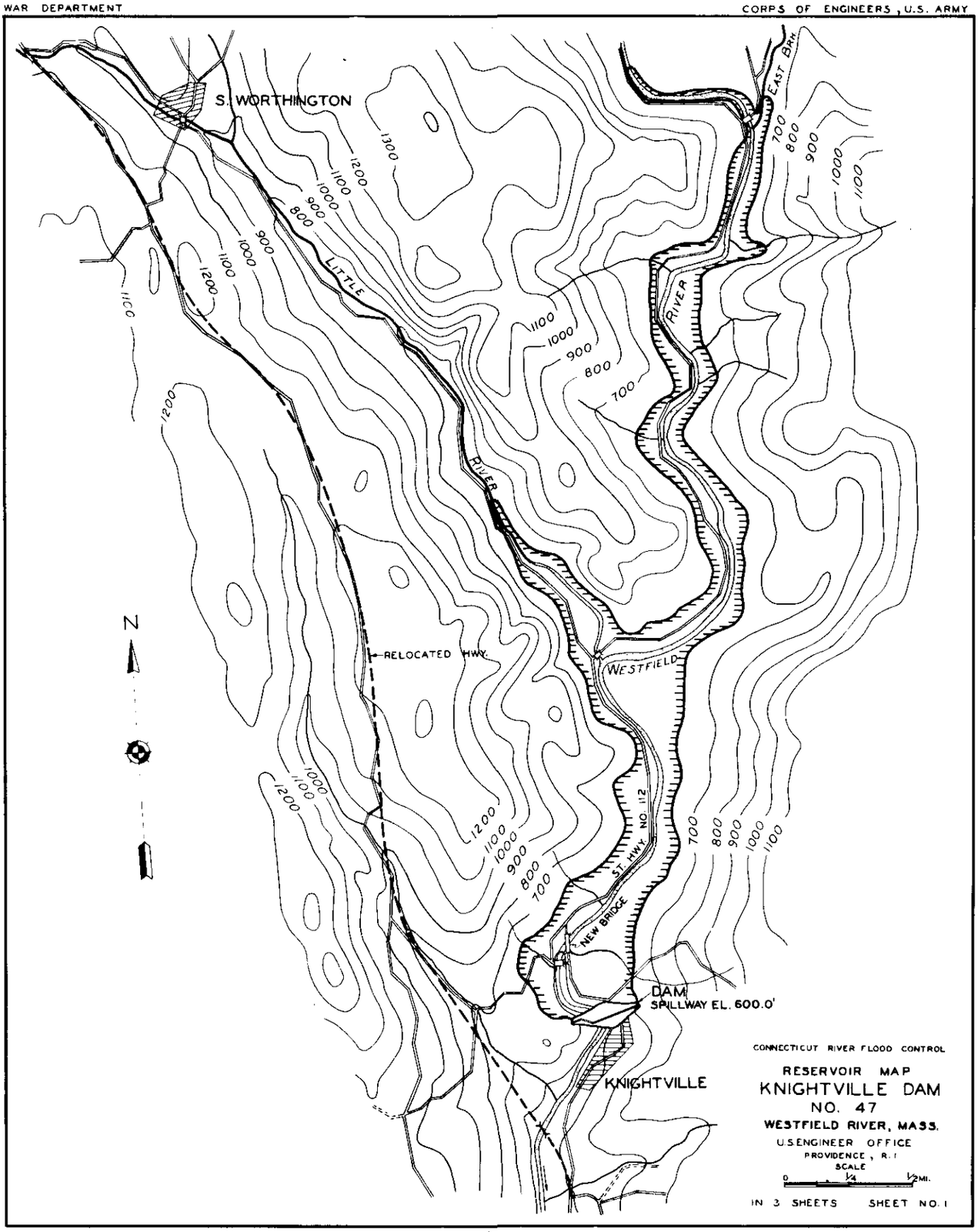
MILLERS RIVER WATERSHED, MASSACHUSETTS

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: CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY: JEP TRACED BY: F.G. CHECKED BY: J.W.B. — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-2-1025



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

KNIGHTVILLE DAM

NO. 47

WESTFIELD RIVER, MASS.

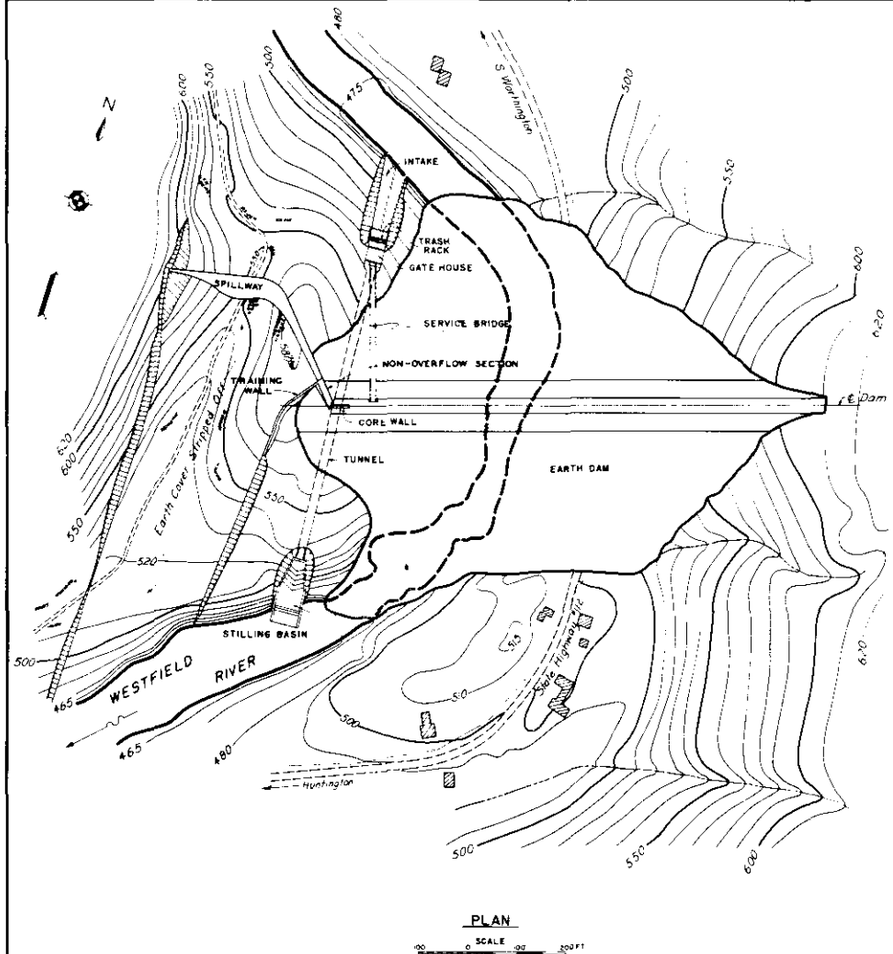
U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

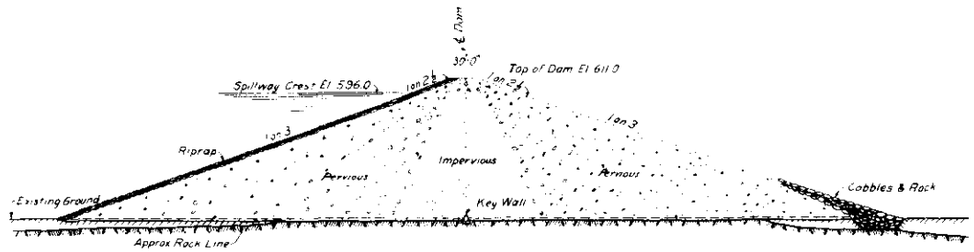
0 1/4 1/2 MI.

IN 3 SHEETS SHEET NO. 1



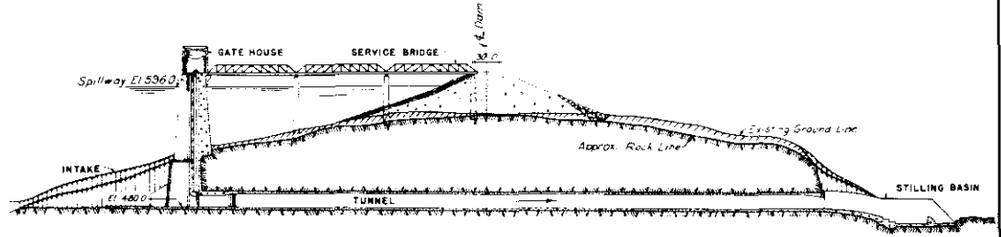
PLAN

SCALE 100 0 100 200 FT



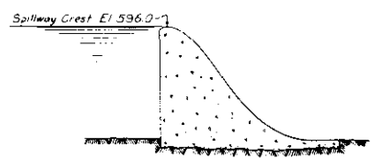
TYPICAL SECTION OF DAM

SCALE 50 0 50 100 FT



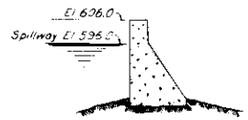
PROFILE ON ℄ OF TUNNEL

SCALE 50 0 50 100 FT



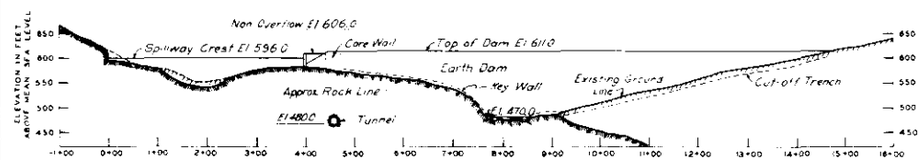
MAXIMUM SPILLWAY SECTION

SCALE 20 0 20 40 FT

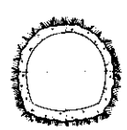


NON OVERFLOW SECTION

SCALE 20 0 20 40 FT



PROFILE ON ℄ OF DAM



SECTION THRU TUNNEL

SCALE 0 10 FT

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

KNIGHTVILLE DAM

NO. 47

WESTFIELD RIVER, MASSACHUSETTS

IN 5 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, U.S.A. DISTRICT ENGINEER

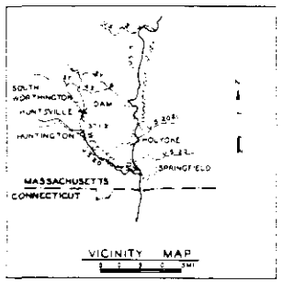
DRAWN BY F.O.S.M.
TRACED BY J.C.
CHECKED BY D.D.M.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

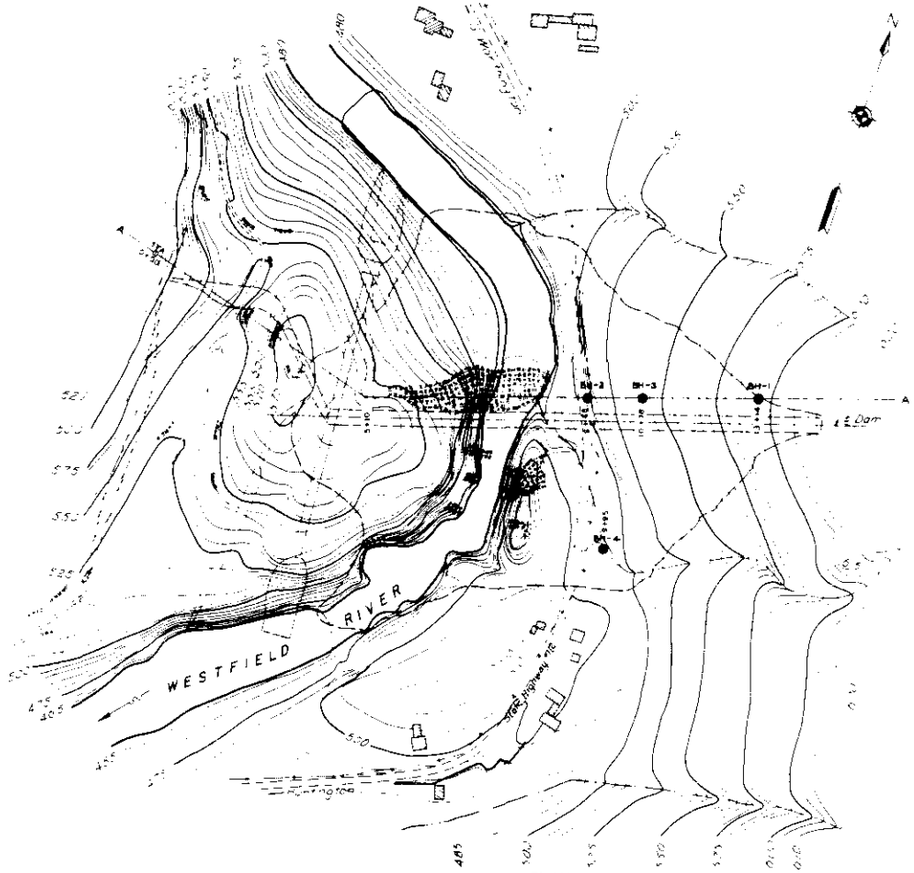
FILE NO. CT-1-1059

WAR DEPARTMENT

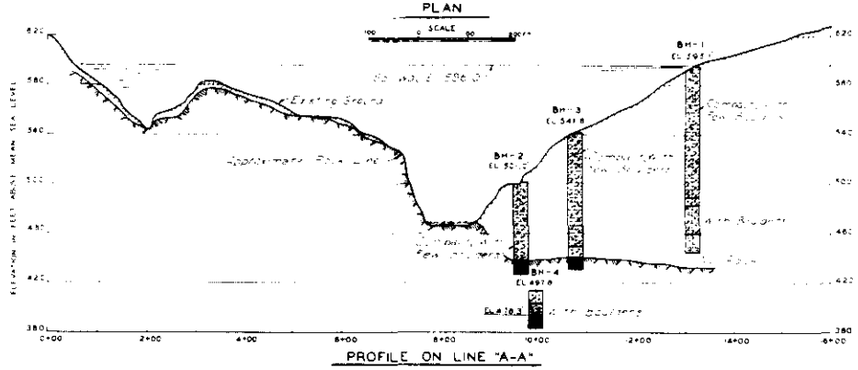
CORPS OF ENGINEERS. U.S. ARMY



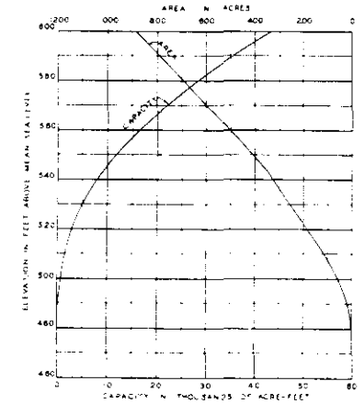
VICINITY MAP



PLAN



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
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK

BH-1 CORE BORING

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

KNIGHTVILLE DAM

NO. 47

WESTFIELD RIVER. MASSACHUSETTS

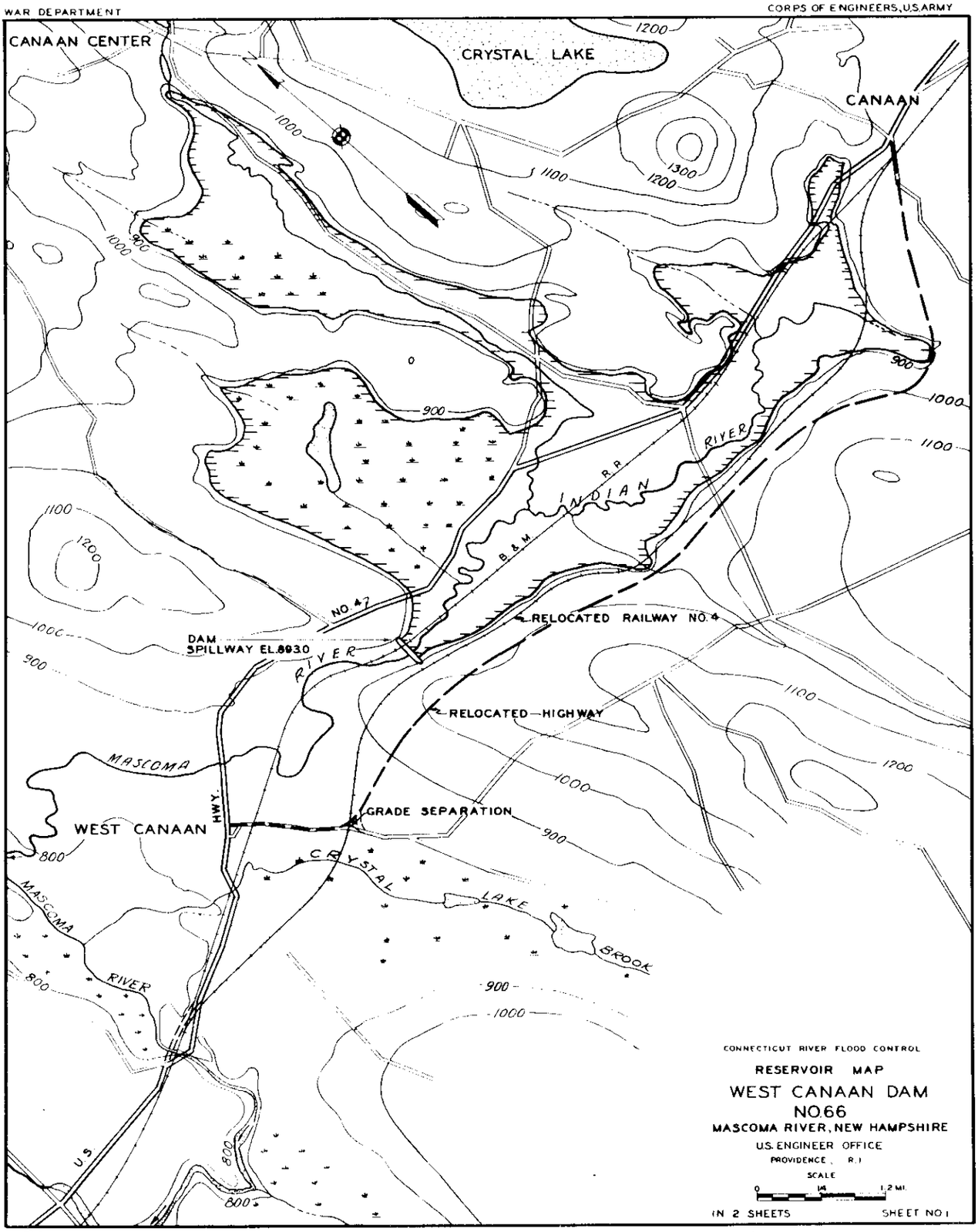
IN 3 SHEETS SCALE AS SHOWN SHEET NO 3

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

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

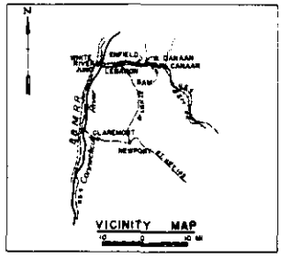
DRAWN BY J.E.P. TRACED BY P.L.G. CHECKED BY J.W.A. — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-2-1026

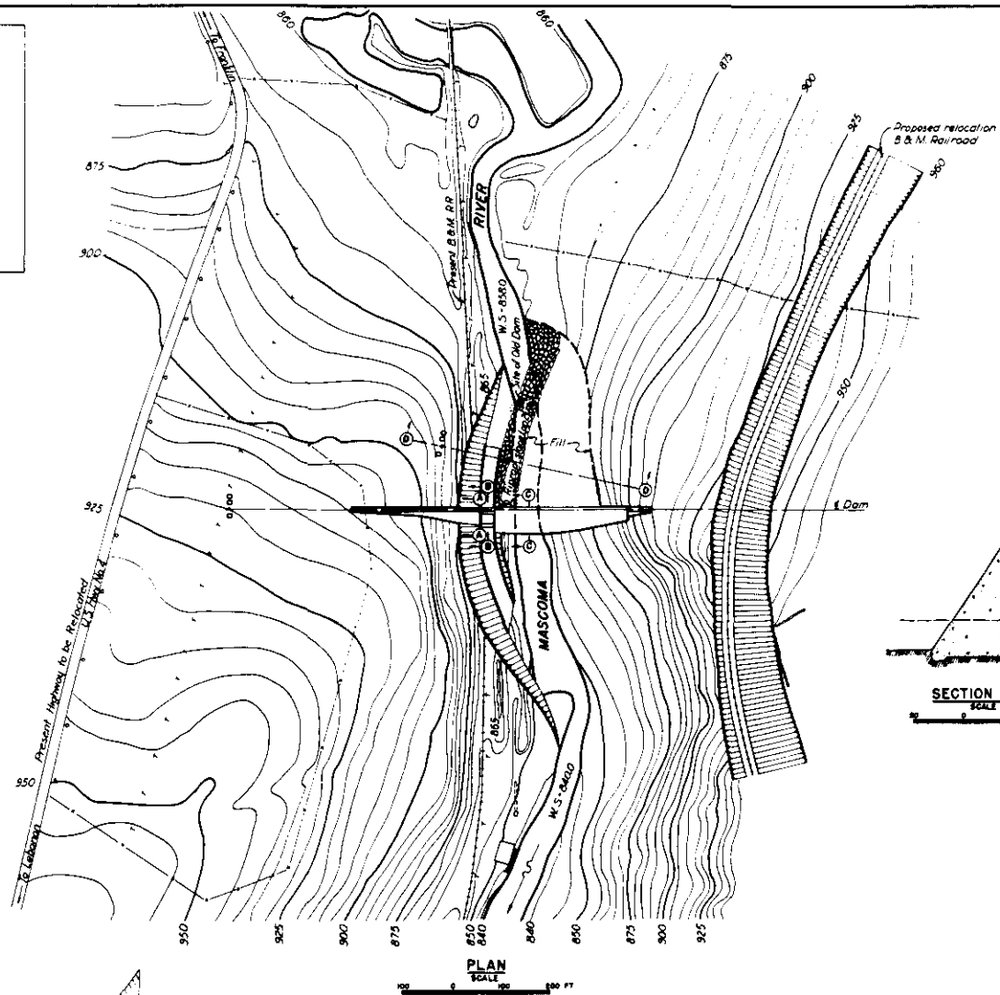
SEC. 4 - PLATE NO 129

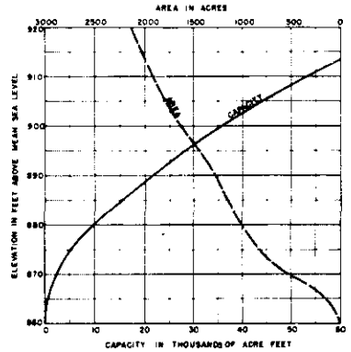

CANAAN CENTER
CRYSTAL LAKE
CANAAN
1200
1000
1100
1300
900
B & M R.R.
INDIAN RIVER
NO. 47
DAM
SPILLWAY EL. 893.0
RELOCATED RAILWAY NO. 4
RELOCATED HIGHWAY
GRADE SEPARATION
MASCOMA
WEST CANAAN
N.H. 4
800
CRYSTAL LAKE BROOK
MASCOMA RIVER
U.S. 4
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
WEST CANAAN DAM
NO. 66
MASCOMA RIVER, NEW HAMPSHIRE
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0
1/4
1.2 MI.
IN 2 SHEETS
SHEET NO. 1

WAR DEPARTMENT

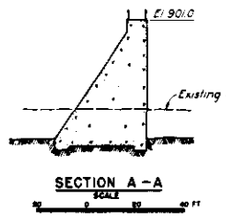
CORPS OF ENGINEERS, U. S. ARMY

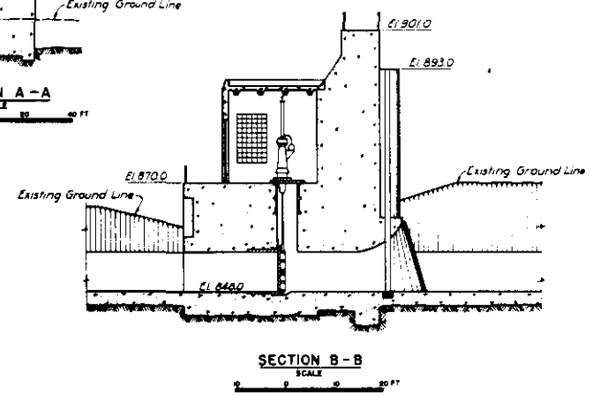


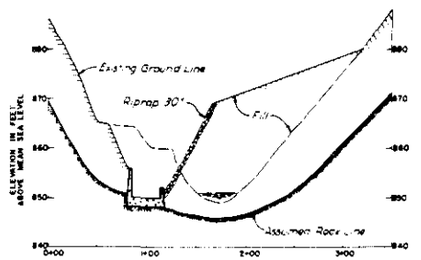


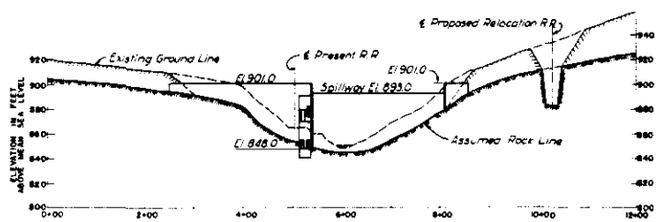


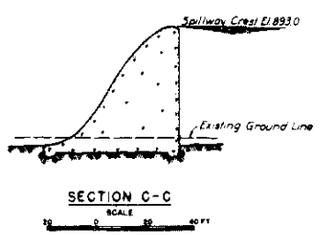
AREA AND CAPACITY CURVES











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 APPROVAL RECOMMENDED APPROVED

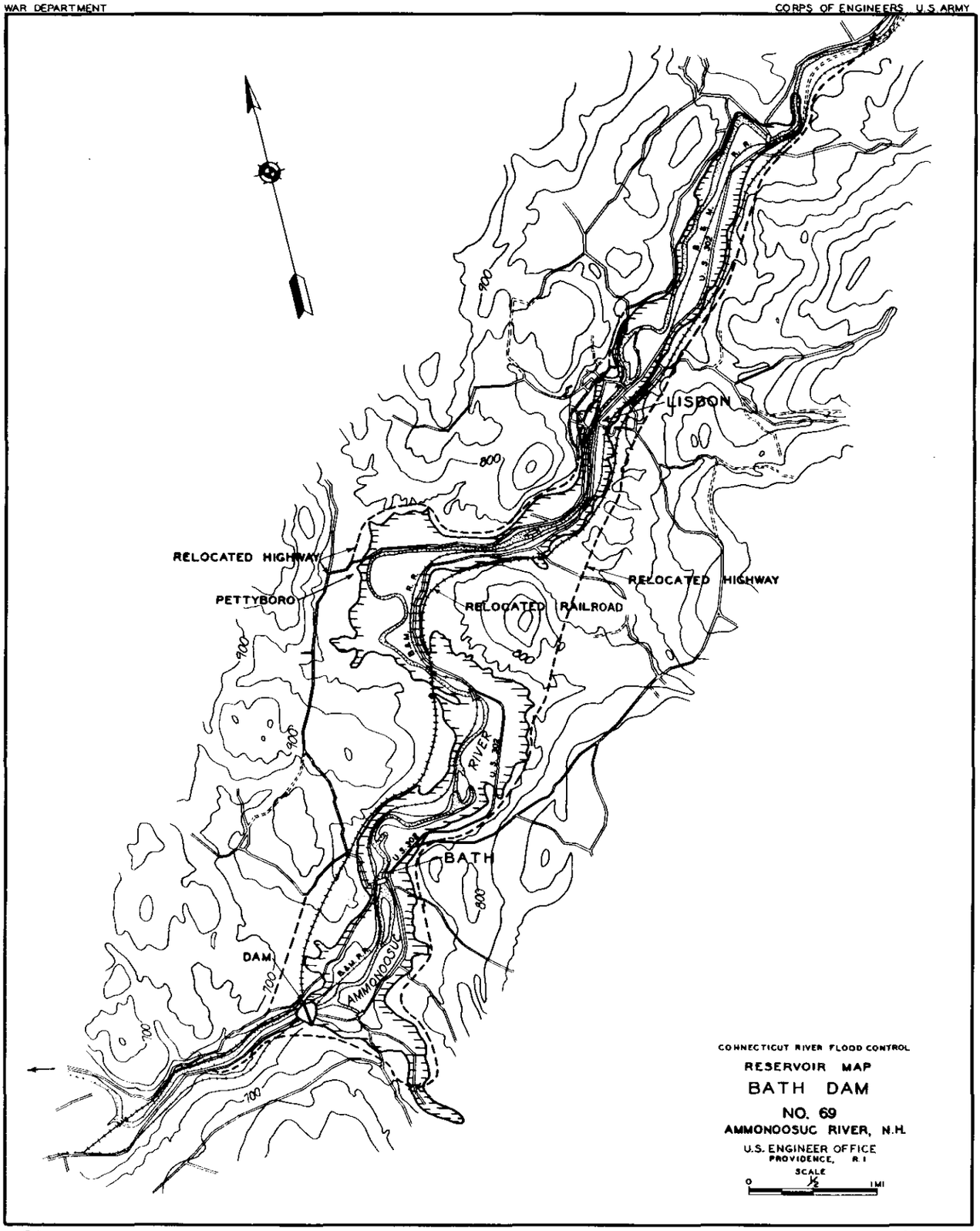
ENGINEER PRINCIPAL ENGINEER LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY F.W.S. & J.S.M. TO ACCOMPANY REPORT FILE NO

TRACED BY H.W.J. DATED MARCH 30, 1937 CT-1-1067

CHECKED BY

SEC. 4 - PLATE NO. (2)



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

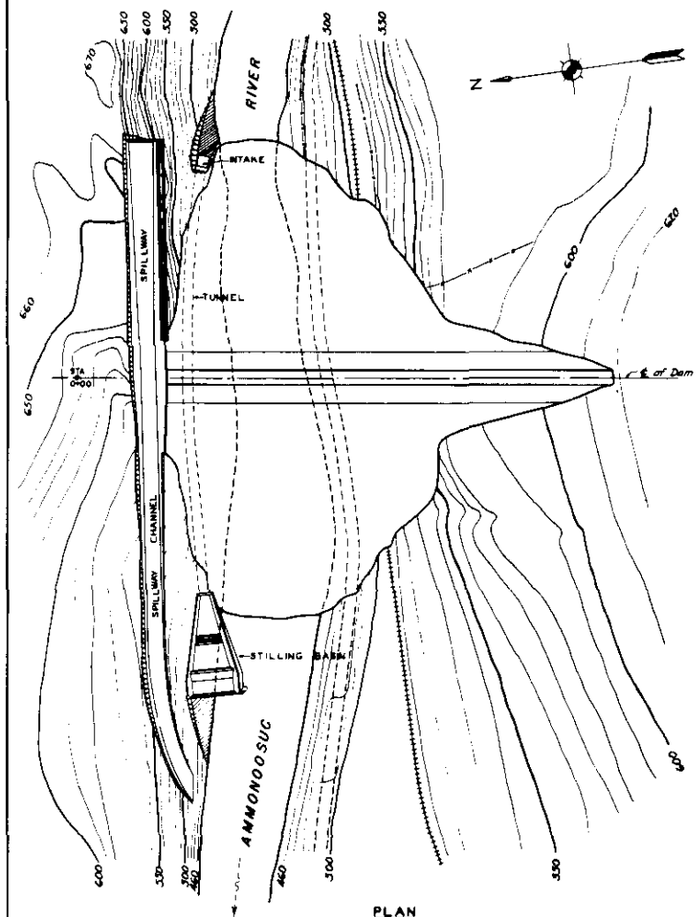
BATH DAM

NO. 69

AMMONOOSUC RIVER, N.H.

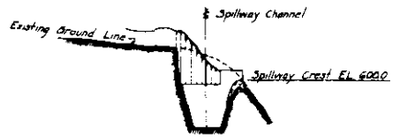
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.

SCALE
0 ½ 1MI

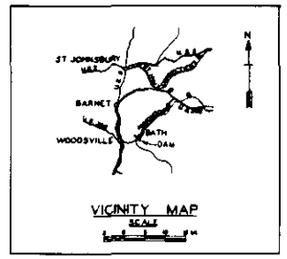


PLAN
SCALE

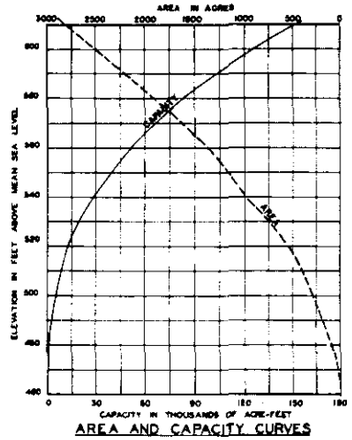
SECTION THROUGH TUNNEL
SCALE



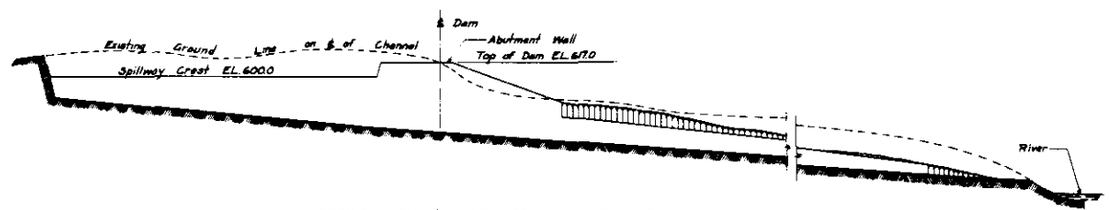
SECTION THROUGH SPILLWAY
SCALE



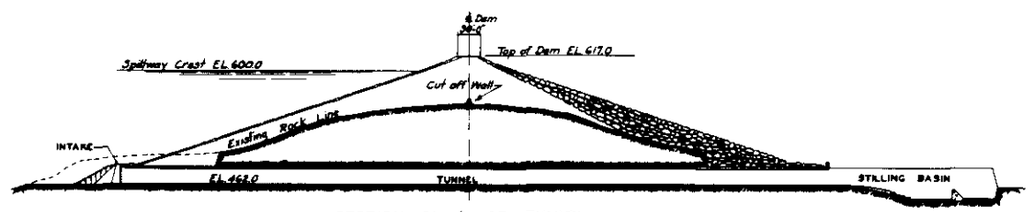
VICINITY MAP
SCALE



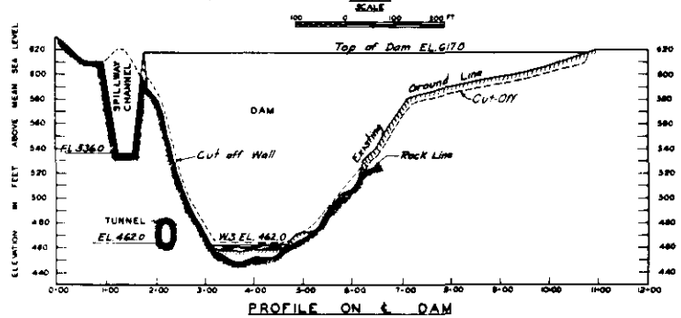
AREA AND CAPACITY CURVES



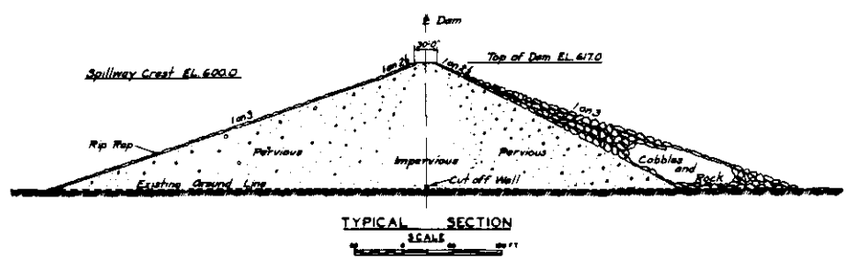
SECTION ON ℄ OF SPILLWAY CHANNEL
SCALE



SECTION ON ℄ OF TUNNEL
SCALE



PROFILE ON ℄ DAM



TYPICAL SECTION
SCALE

CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
BATH DAM
NO. 69

AMMONOOSUC RIVER, NEW HAMPSHIRE

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

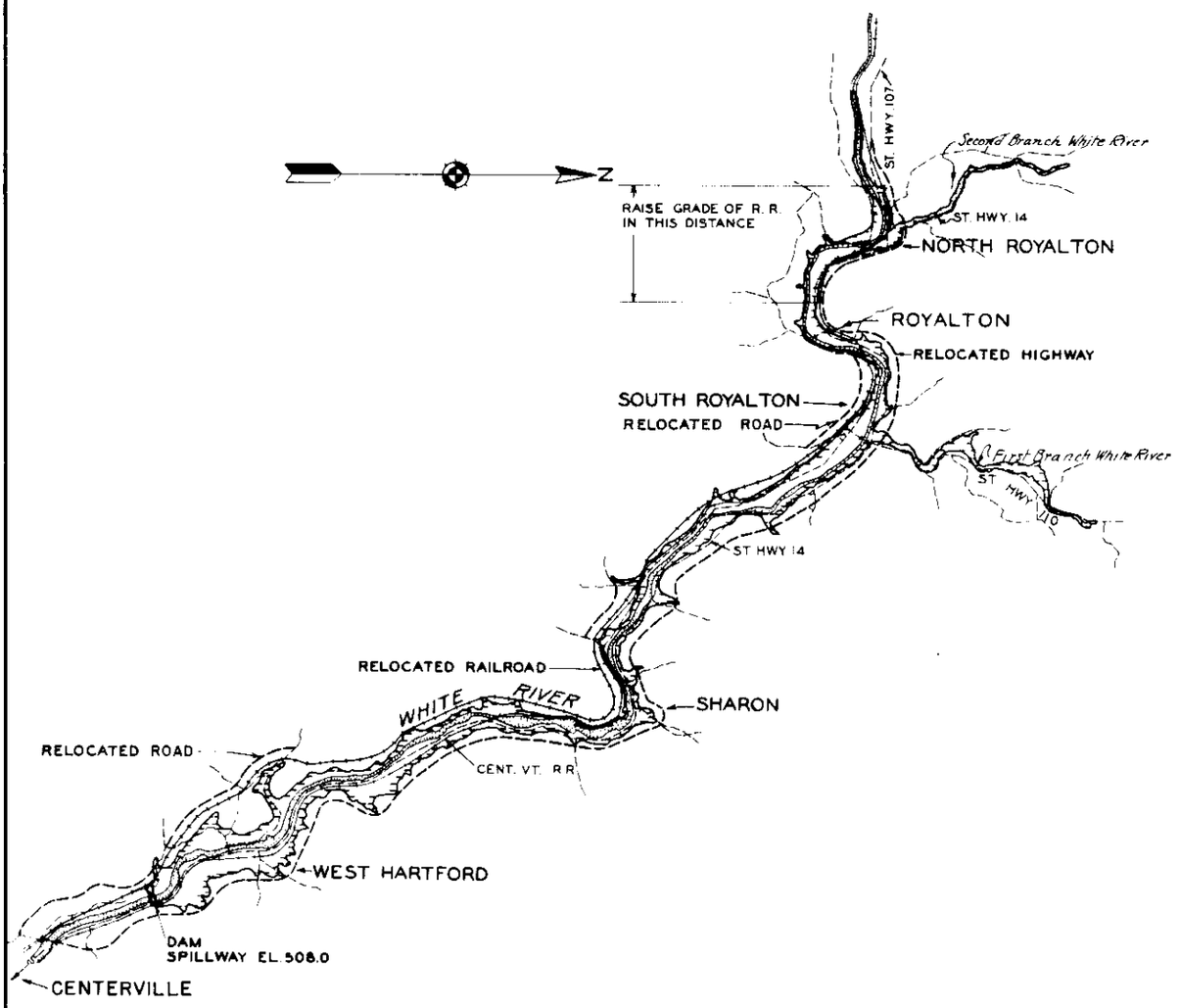
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

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

DRAWN BY R.H.
TRACED BY H.A.E.
CHECKED BY

TO ACCOMPANY REPORT DATED MARCH 1937

FILE NO. CT-1-1063



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

CENTERVILLE DAM

NO. 70

WHITE RIVER, VERMONT

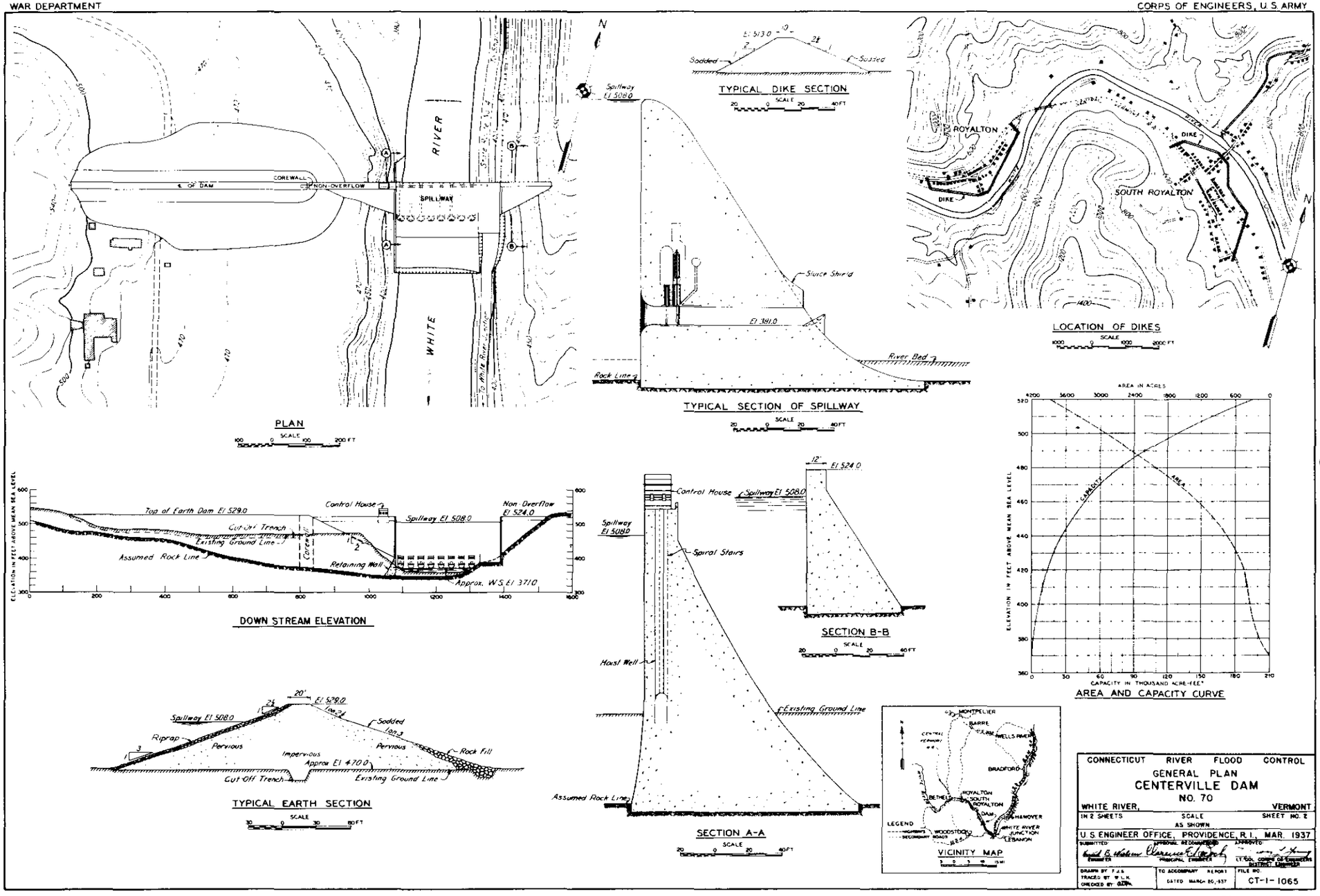
U. S. ENGINEER OFFICE

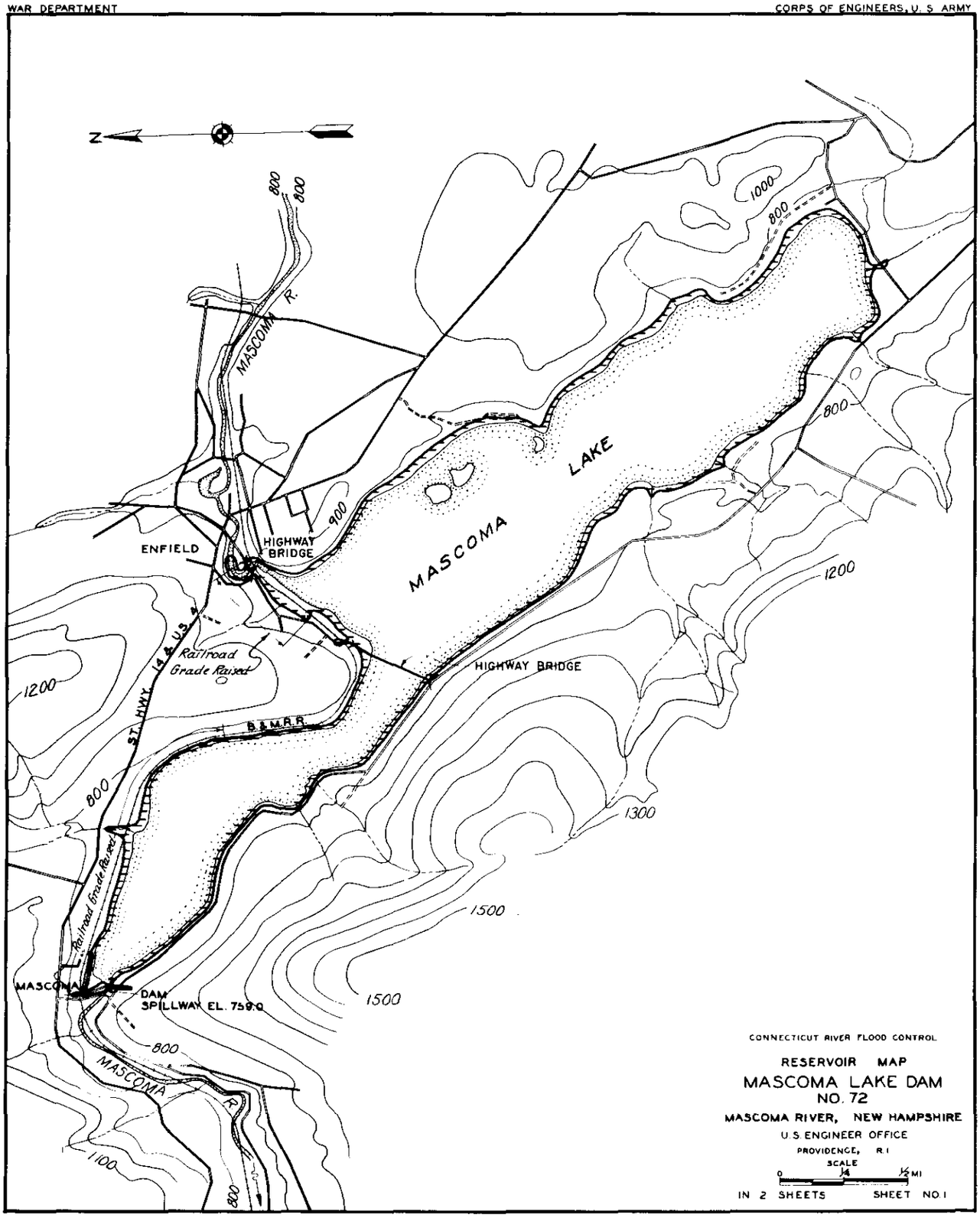
PROVIDENCE, R. I.

SCALE

0 1 2MI

IN 2 SHEETS SHEET NO. 1


PLAN
SCALE
100 0 100 200 FT
WHITE RIVER
COREWALL
℄ OF DAM
NON-OVERFLOW
SPILLWAY
To White River Junction
TYPICAL DIKE SECTION
SCALE
20 0 20 40 FT
Sodded
Sodded
El 513.0
TYPICAL SECTION OF SPILLWAY
SCALE
20 0 20 40 FT
Spillway El 508.0
Sluice Shield
El 381.0
River Bed
Rock Line
LOCATION OF DIKES
SCALE
1000 0 1000 2000 FT
ROYALTON
DIKE
SOUTH ROYALTON
DOWN STREAM ELEVATION
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
Top of Earth Dam El 529.0
Control House
Spillway El 508.0
Non-Overflow El 524.0
Cut-Off Trench
Existing Ground Line
Assumed Rock Line
Corewall
Retaining Wall
Approx. W.S. El 371.0
SECTION B-B
SCALE
20 0 20 40 FT
12'
El 524.0
Control House
Spillway El 508.0
Spillway El 508.0
Spiral Stairs
Hoist Well
Existing Ground Line
Assumed Rock Line
SECTION A-A
SCALE
20 0 20 40 FT
AREA AND CAPACITY CURVE
AREA IN ACRES
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
CAPACITY
AREA
CAPACITY IN THOUSAND ACRE-FEET
TYPICAL EARTH SECTION
SCALE
30 0 30 60 FT
20'
El 529.0
Spillway El 508.0
Riprap
Pervious
Impervious
Approx El 470.0
Sodded
Pervious
Rock Fill
Cut-Off Trench
Existing Ground Line
VICINITY MAP
MONTPELIER
BARRE
WELLS RIVER
BRADFORD
BETHEL
ROYALTON
SOUTH ROYALTON
DAM
HANOVER
WHITE RIVER JUNCTION
LEBANON
WOODSTOCK
LEGEND
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
APPROVAL RECOMMENDED
APPROVED
ENGINEER
PRINCIPAL ENGINEER
LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY F.J.S.
TRACED BY W.L.K.
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

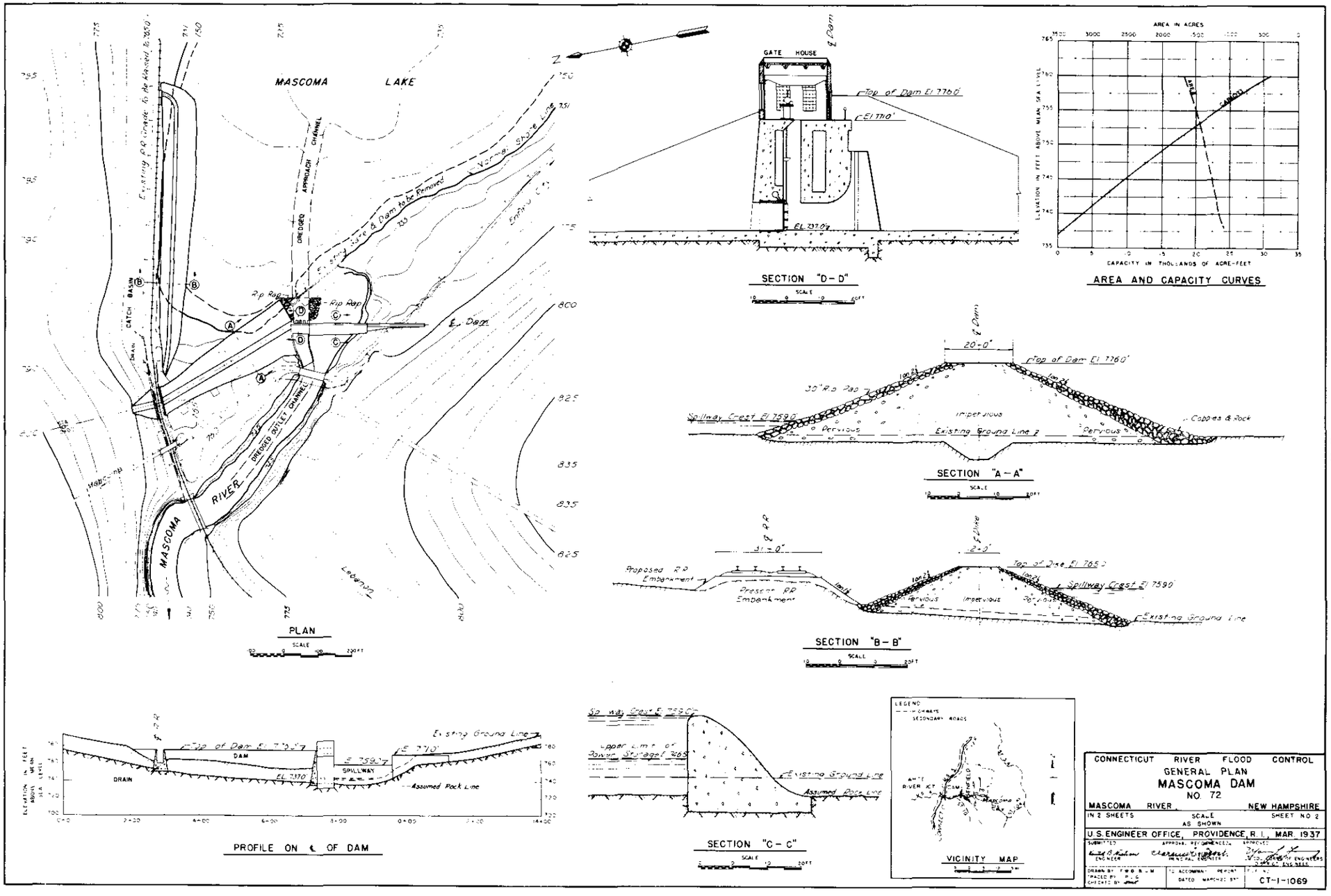
MASCOMA RIVER, NEW HAMPSHIRE

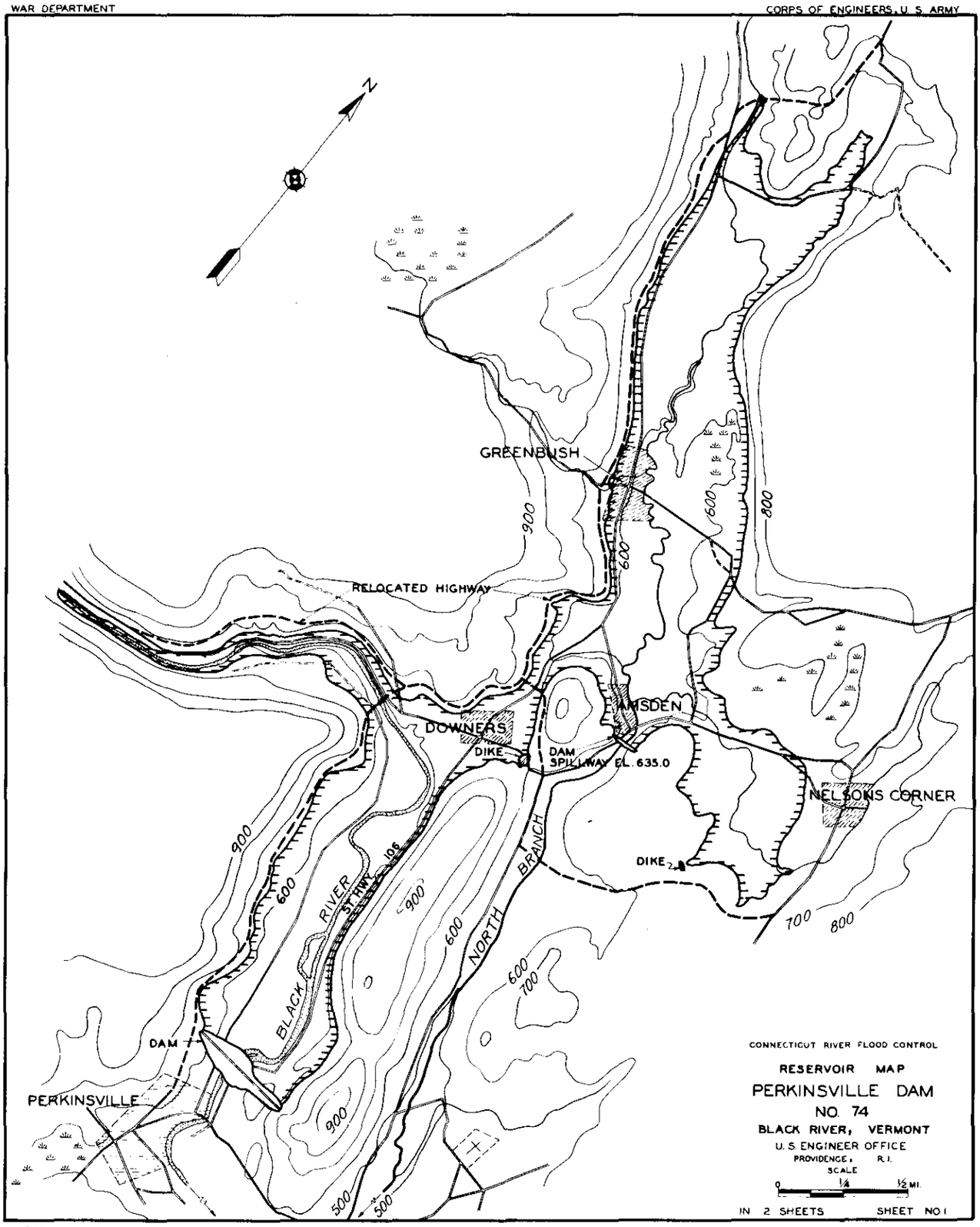
U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE 0 1/4 1/2 MI

IN 2 SHEETS SHEET NO. 1


MASCOMA LAKE
MASCOMA RIVER
DREDGED APPROACH CHANNEL
DREDGED OUTLET CHANNEL
CATCH BASIN
DRAIN
Existing Gate & Dam to be Removed
Normal Shore Line
Rip Rap
℄ Dam
Lebanon
PLAN
SCALE
GATE HOUSE
Top of Dam El 776.0'
El 771.0'
EL 737.0'
SECTION "D-D"
AREA IN ACRES
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
CAPACITY IN THOUSANDS OF ACRE-FEET
AREA AND CAPACITY CURVES
20'-0"
Top of Dam El 776.0'
30" Rip Rap
Spillway Crest El 759.0'
Impervious
Pervious
Existing Ground Line
Coppies & Rock
SECTION "A-A"
31'-0"
2'-0"
Proposed RR Embankment
Present RR Embankment
Top of Dike El 765.0'
Spillway Crest El 759.0'
Existing Ground Line
SECTION "B-B"
Existing Ground Line
DAM
DRAIN
SPILLWAY
EL 737.0'
Assumed Rock Line
PROFILE ON ℄ OF DAM
Upper Limit of Power Storage El 765
Existing Ground Line
Assumed Rock Line
SECTION "C-C"
LEGEND
HIGHWAYS
SECONDARY ROADS
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
APPROVAL RECOMMENDED
APPROVED
ENGINEER
PRINCIPAL ENGINEER
DIVISION ENGINEER
DRAWN BY
TRACED BY
CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20 1937
CT-1-1069



CONNECTICUT RIVER FLOOD CONTROL

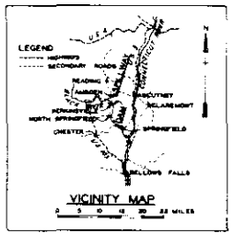
RESERVOIR MAP

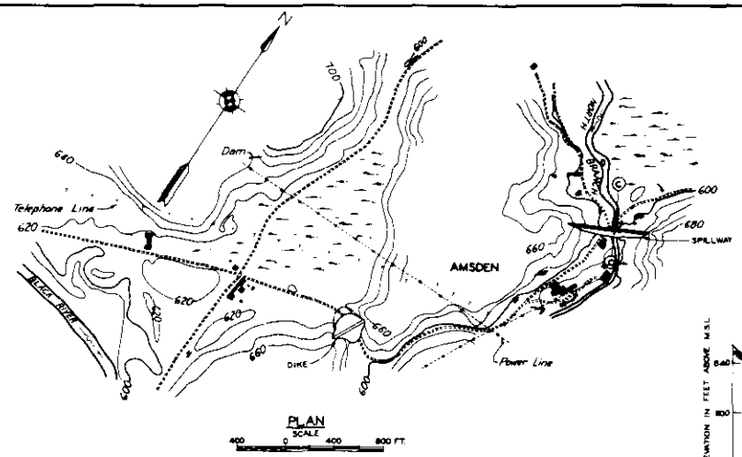
PERKINSVILLE DAM
NO. 74
BLACK RIVER, VERMONT

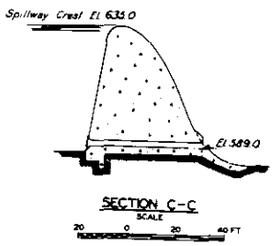
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.

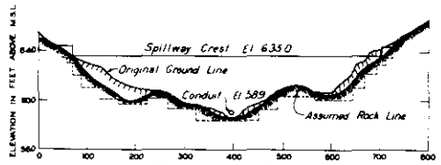
SCALE
0 1/4 1/2 MI.

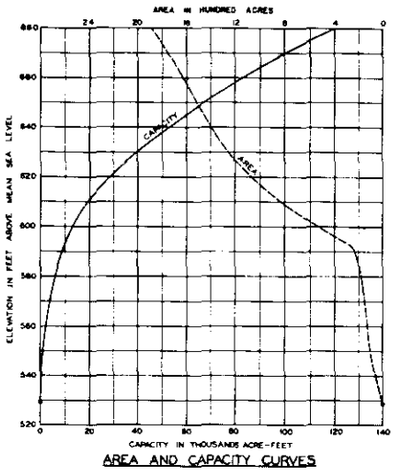
IN 2 SHEETS SHEET NO 1

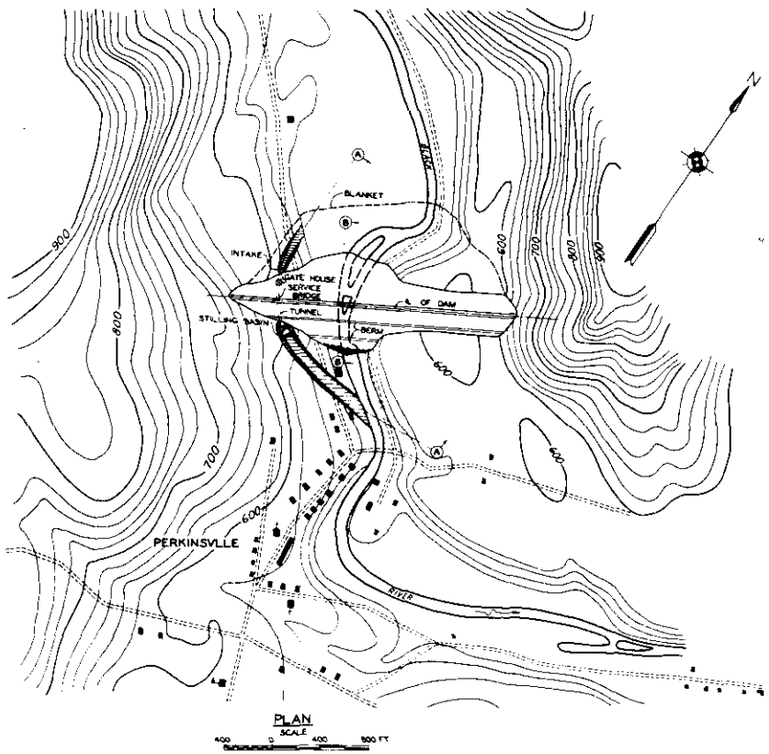


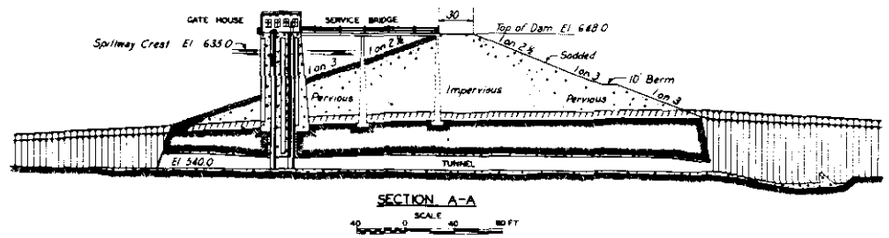


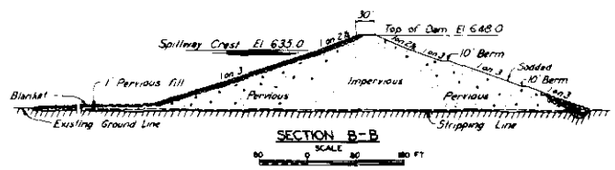


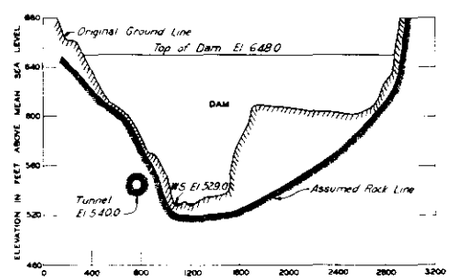


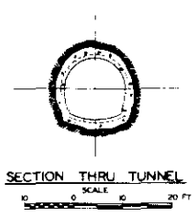












CONNECTICUT RIVER FLOOD CONTROL

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 | APPROVAL RECOMMENDED | APPROVED

DRAWN BY D.P. TRACED BY L.W.B. CHECKED BY J.C.M.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-1-1071

SECTION 5

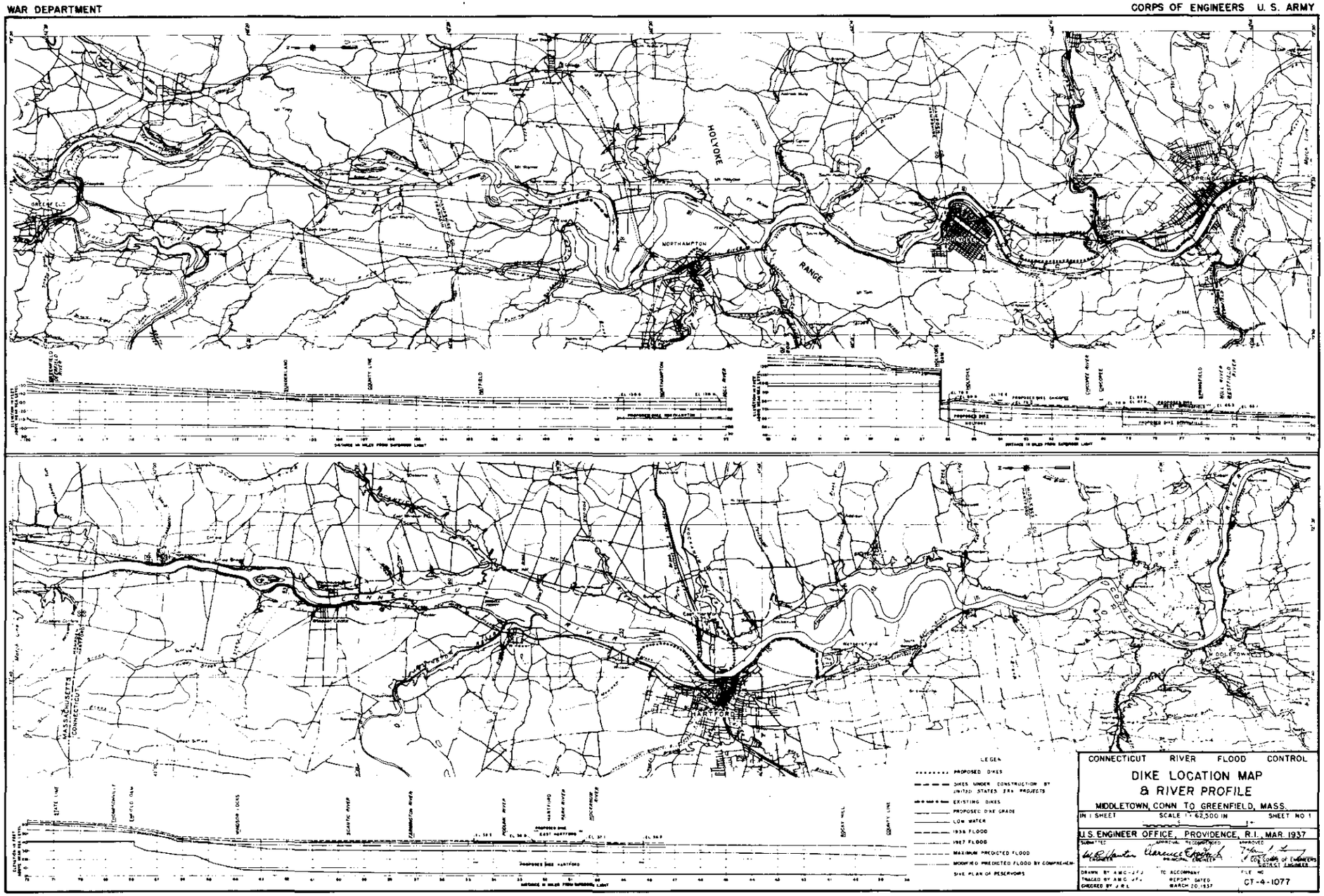
PLATE REFERENCE

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: W. R. Hamilton, ENGINEER

APPROVAL RECOMMENDED: Clarence Eppich, PRINCIPAL ENGINEER

APPROVED: [illegible], Col Corps of Engineers, DISTRICT ENGINEER

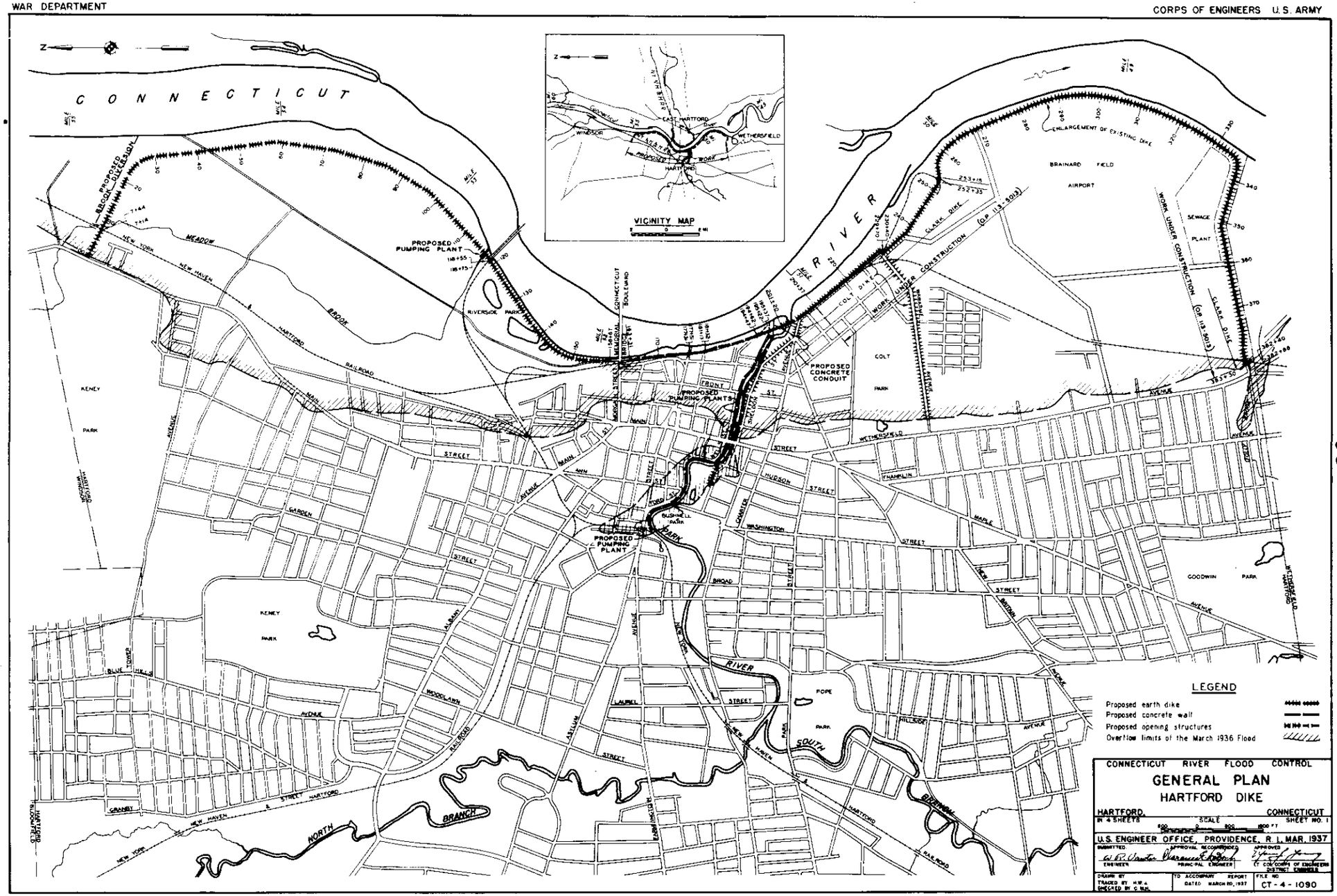
DRAWN BY A.M.C. J.F.J.
TRACED BY A.M.C. J.F.J.
CHECKED BY J.R.L.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO CT-4-1077

WAR DEPARTMENT

CORPS OF ENGINEERS U.S. ARMY



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN
HARTFORD DIKE

HARTFORD, CONNECTICUT

IN 4 SHEETS SCALE 0 500 1000 FT SHEET NO. 1

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

SUBMITTED: W. E. Hunter, ENGINEER

APPROVAL RECOMMENDED: Warren T. Hannum Jr., PRINCIPAL ENGINEER

APPROVED: [signature], LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

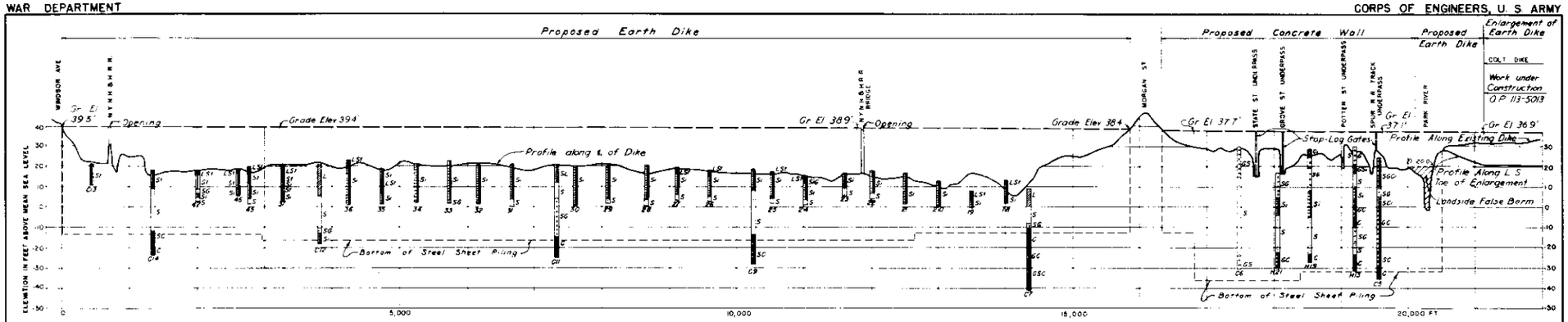
DRAWN BY TRACED BY H.W.A. CHECKED BY C.H.S.

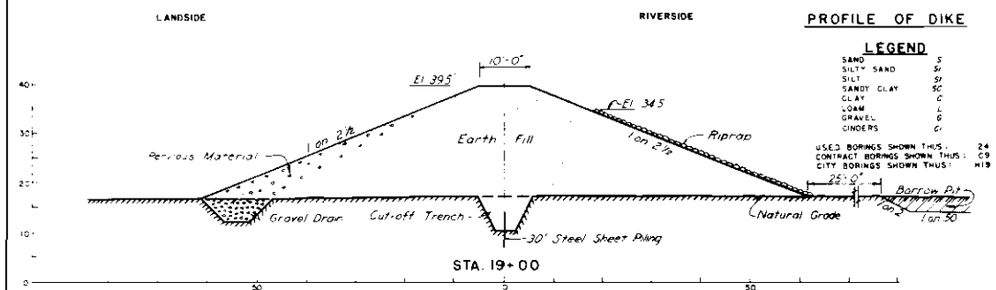
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-4-1090

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



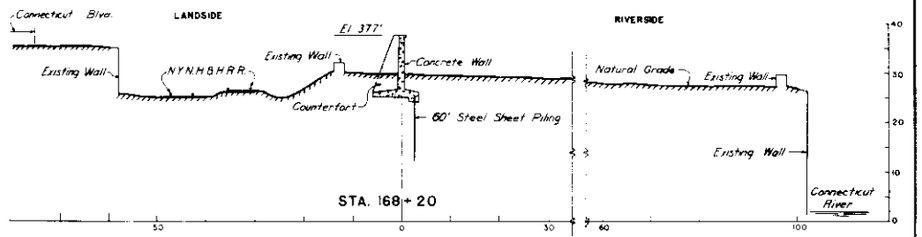


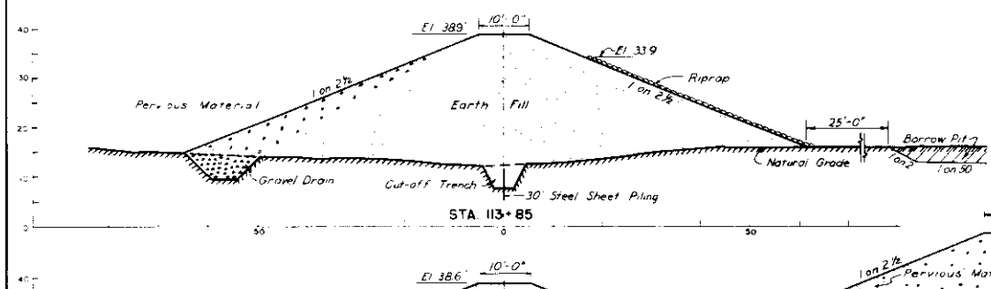
PROFILE OF DIKE

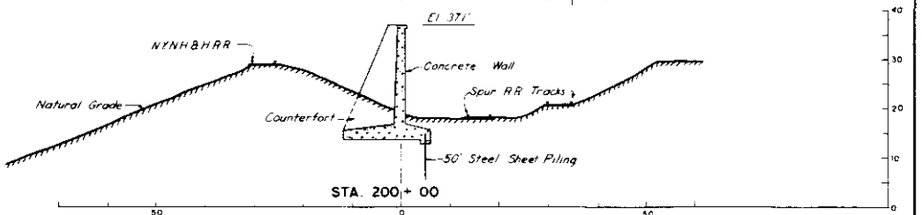
LEGEND

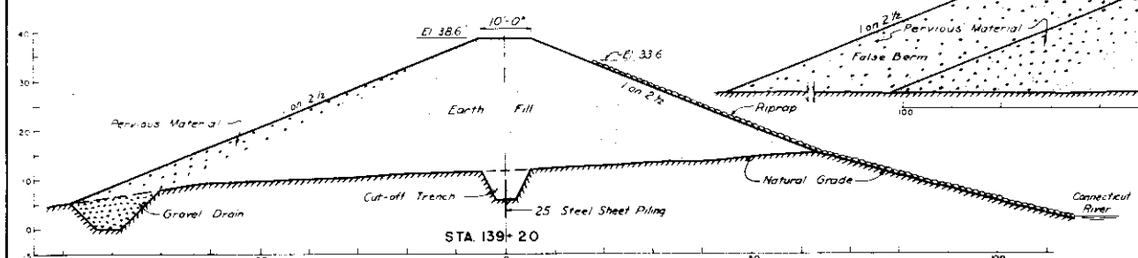
SAND	S
SILTY SAND	SI
SILT	SI
SANDY CLAY	SC
CLAY	C
LOAM	L
GRAVEL	G
CINDERS	CI

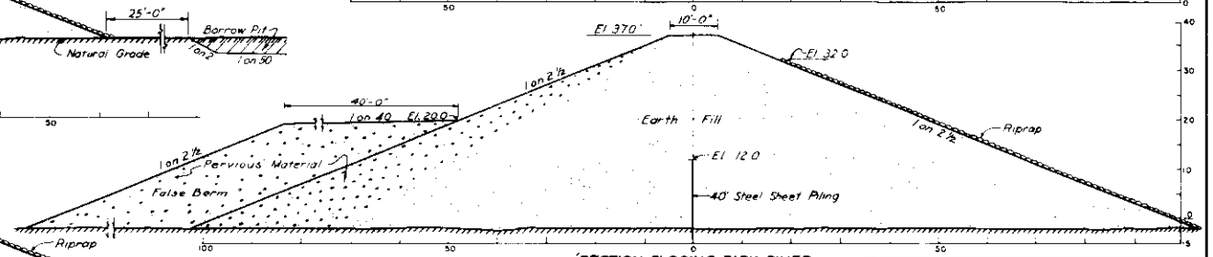
USED BORINGS SHOWN THUS: 24
CONTRACT BORINGS SHOWN THUS: C9
CITY BORINGS SHOWN THUS: H19











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

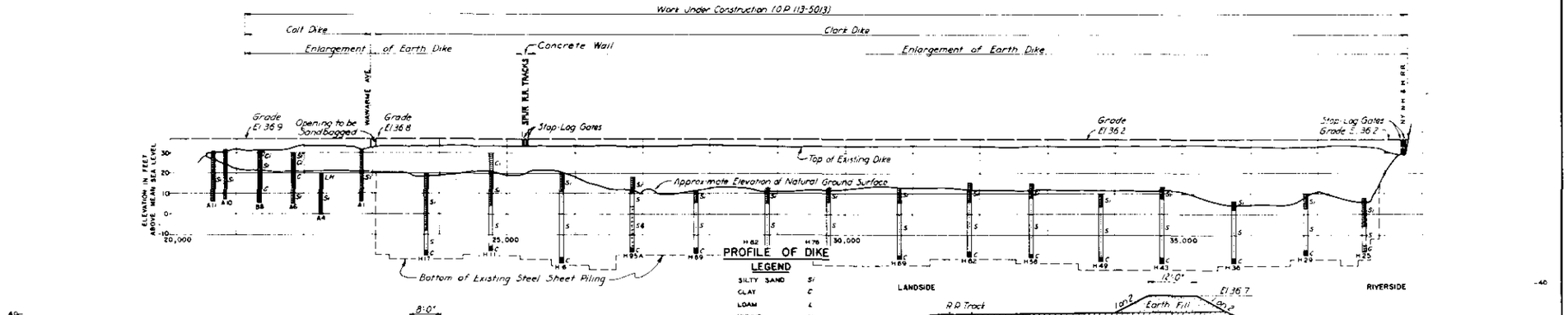
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

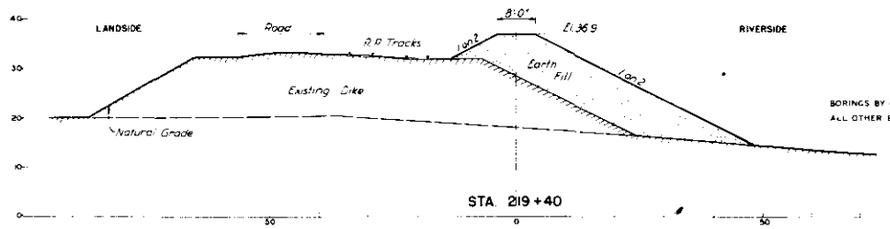
SUBMITTED | APPROVAL RECOMMENDED | APPROVED

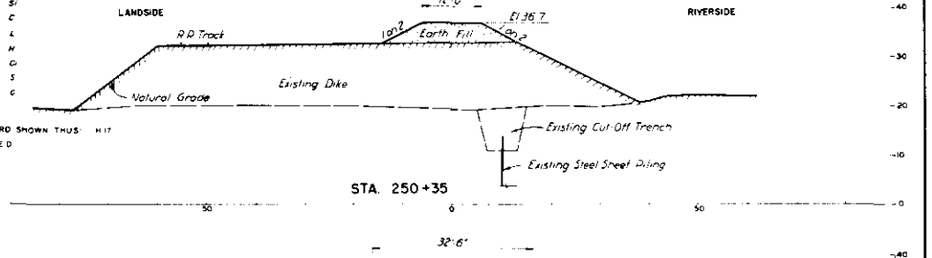
DRAWN BY R.M.C.
TRACED BY H.E.B.
CHECKED BY C.W.H.

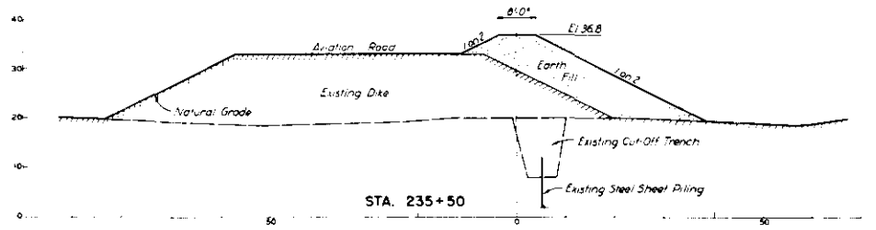
TO ACCOMPANY REPORT DATED March 20, 1937

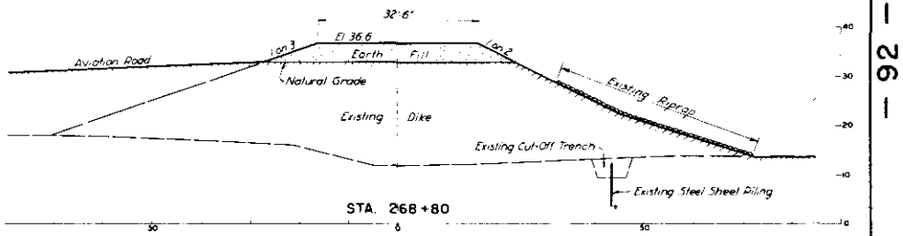
FILE NO. CT-4-1091

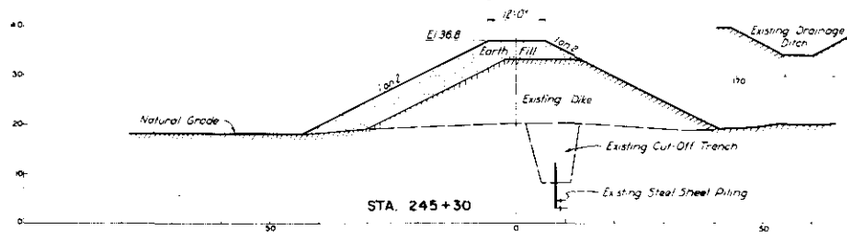


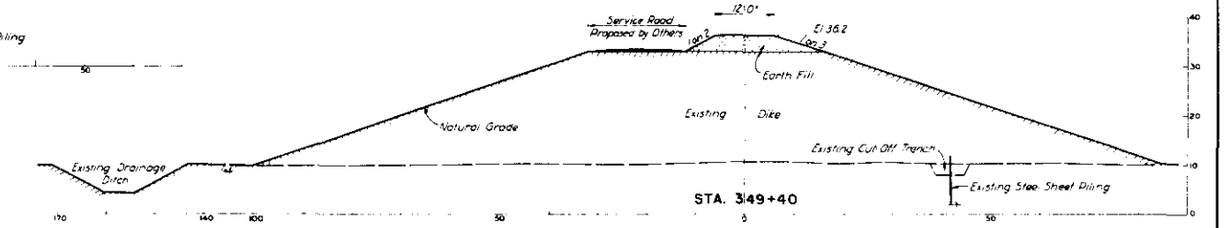












TYPICAL SECTIONS

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: [illegible] ENGINEER

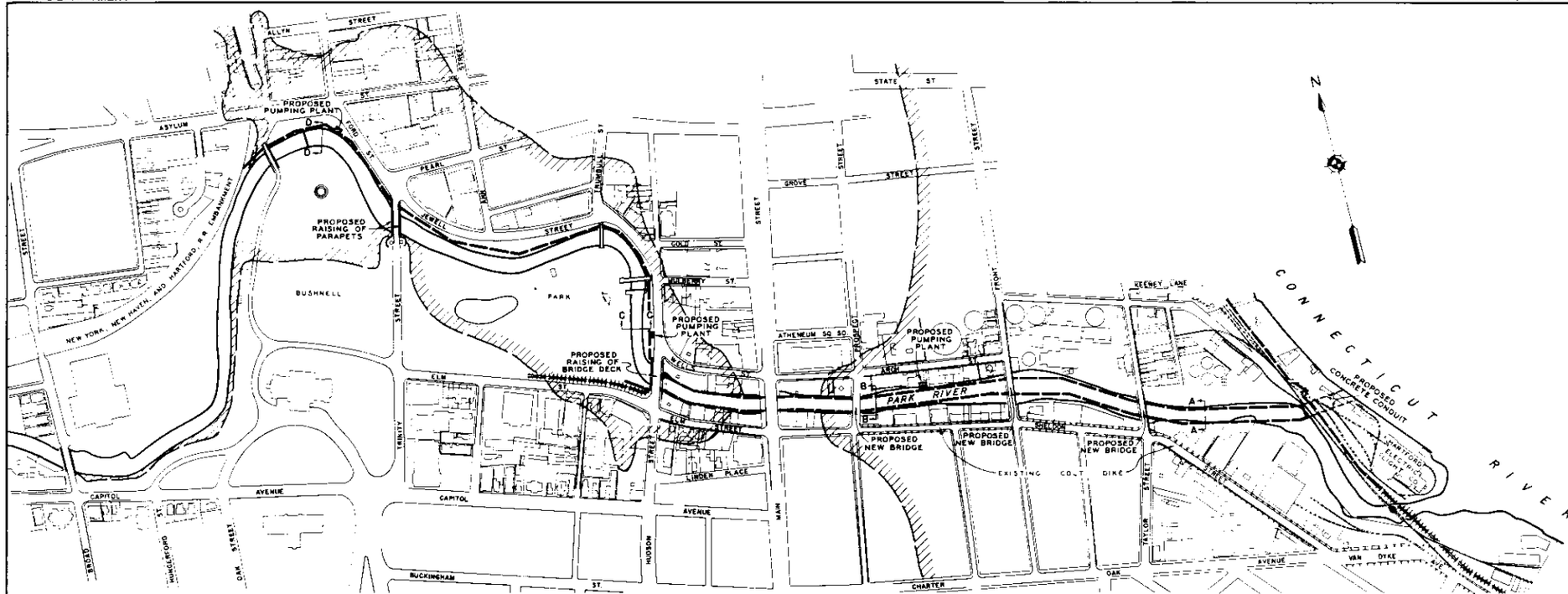
APPROVAL RECOMMENDED: [illegible] DIVISION ENGINEER

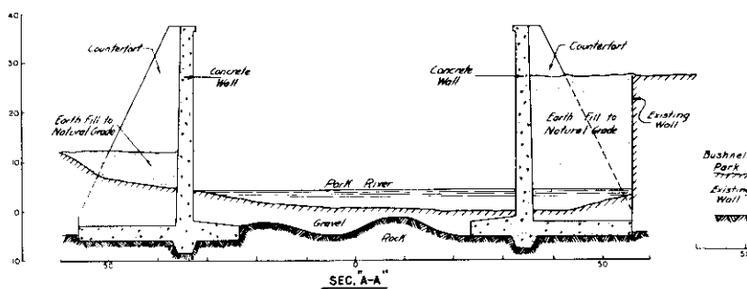
APPROVED: [illegible] Lt. Col., Corps of Engineers, District Engineer

DRAWN BY A.G.
TRACED BY H.W.J.
CHECKED BY C.B.H.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

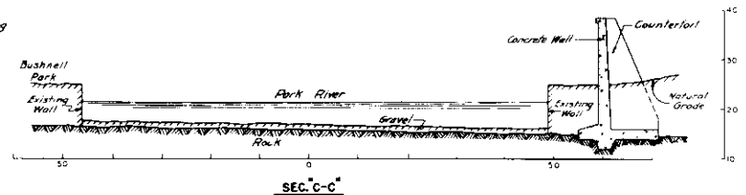
FILE NO. CT-4-1094

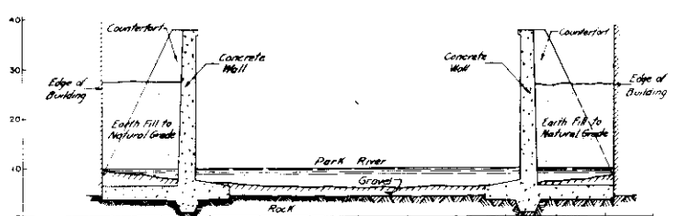


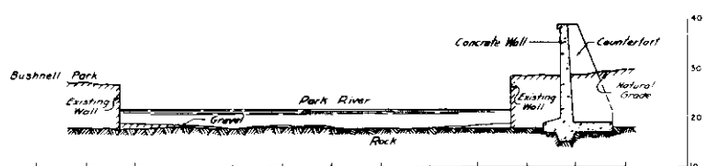


PLAN

SCALE 200 0 200 400 FT.







TYPICAL SECTIONS

HORZ & VERT DISTANCES IN FEET

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. Hamilton, ENGINEER

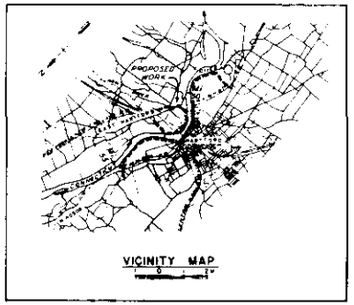
APPROVAL RECOMMENDED: Lawrence E. Hyde, PRINCIPAL ENGINEER

APPROVED: Thomas J. Lowry, LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

Drawn BY H.F.B. TRACED BY W.A.T. CHECKED BY C.M.H.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-4-1095



LEGEND

- Proposed earth dike
- Proposed concrete wall
- Proposed opening structures
- Proposed intercepting sewer
- Existing sewers
- Overflow limits of the March 1936 Flood
- Sections taken for hydraulic computations

HOCKANUM RIVER

PROPOSED PUMPING PLANT

PROPOSED PUMPING PLANT

PROPOSED PUMPING PLANT

PODUNK RIVER

CONNECTICUT RIVER

CITY OF HARTFORD

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

EAST HARTFORD DIKE

EAST HARTFORD, CONNECTICUT

IN 2 SHEETS SCALE 400 0 400 800 FT. SHEET NO. 1

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

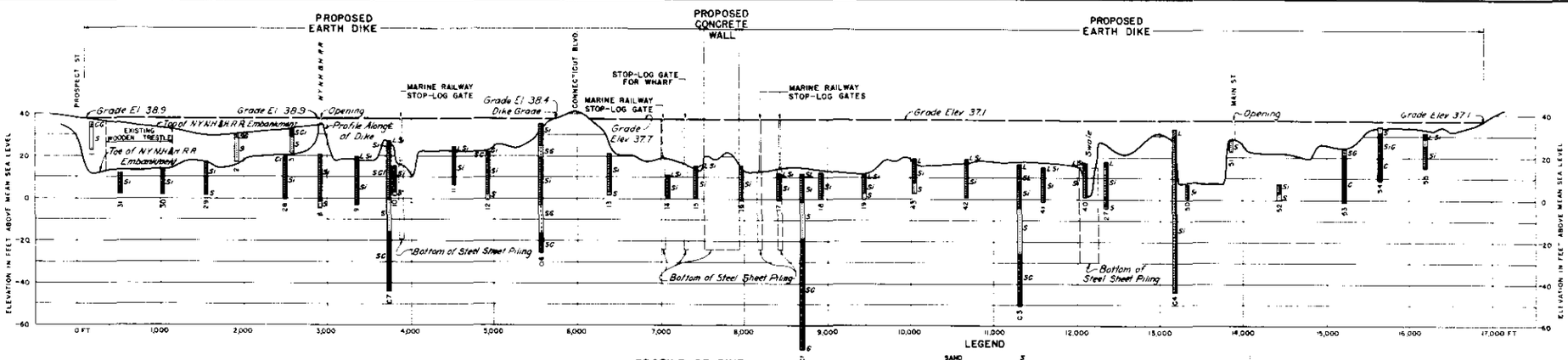
SUBMITTED — APPROVAL RECOMMENDED — APPROVED

DRAWN BY — TRACED BY J.C.-H.F.J. — CHECKED BY C.M.H. — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-4-1096

SEC. 5 - PLATE NO. 145

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



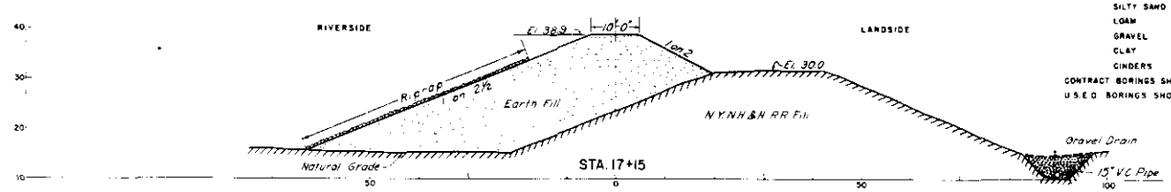
PROFILE OF DIKE

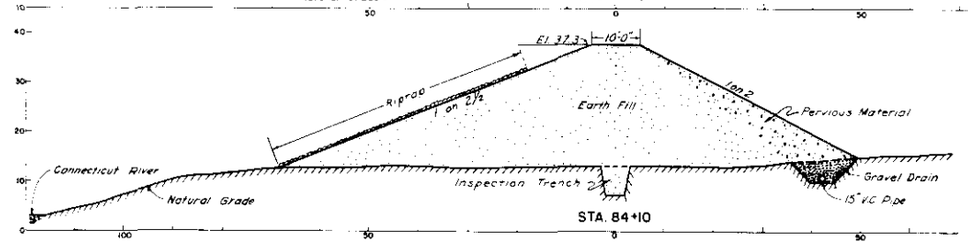
LEGEND

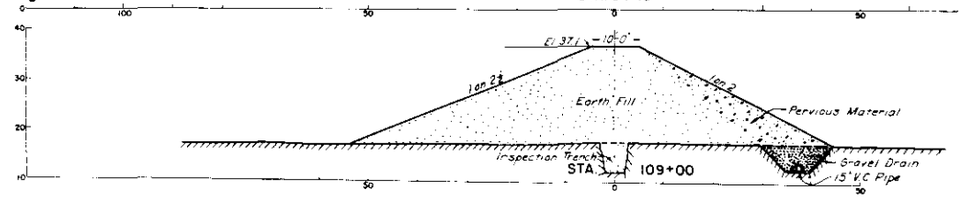
SAND	S
SANDY CLAY	SC
SILTY SAND	Si
LOAM	L
GRAVEL	G
CLAY	C
CINDERS	Cr

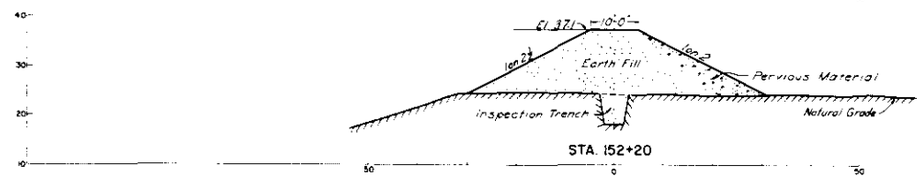
CONTRACT BORINGS SHOWN THUS C7

U.S.E.D. BORINGS SHOWN THUS S3



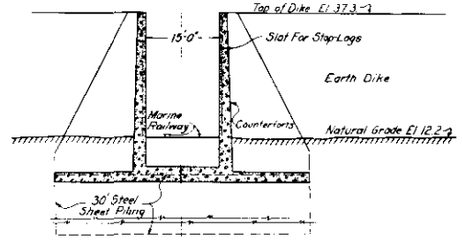




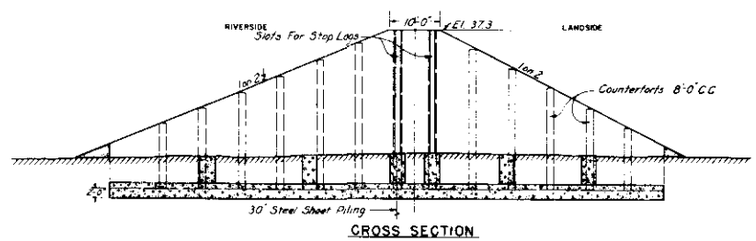


TYPICAL SECTIONS

HORZ & VERT DISTANCES IN FEET



SECTION AT ℄



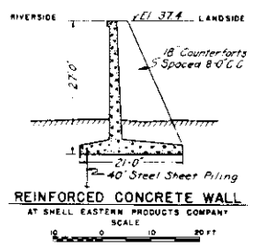
CROSS SECTION

DETAILS OF STOP-LOG GATE

AT STATION 82+00

SCALE

10 0 10 20 FT



REINFORCED CONCRETE WALL

AT SHELL EASTERN PRODUCTS COMPANY

SCALE

10 0 10 20 FT

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. Gaudin ENGINEER

APPROVAL RECOMMENDED Clarence Coggeshall PRINCIPAL ENGINEER

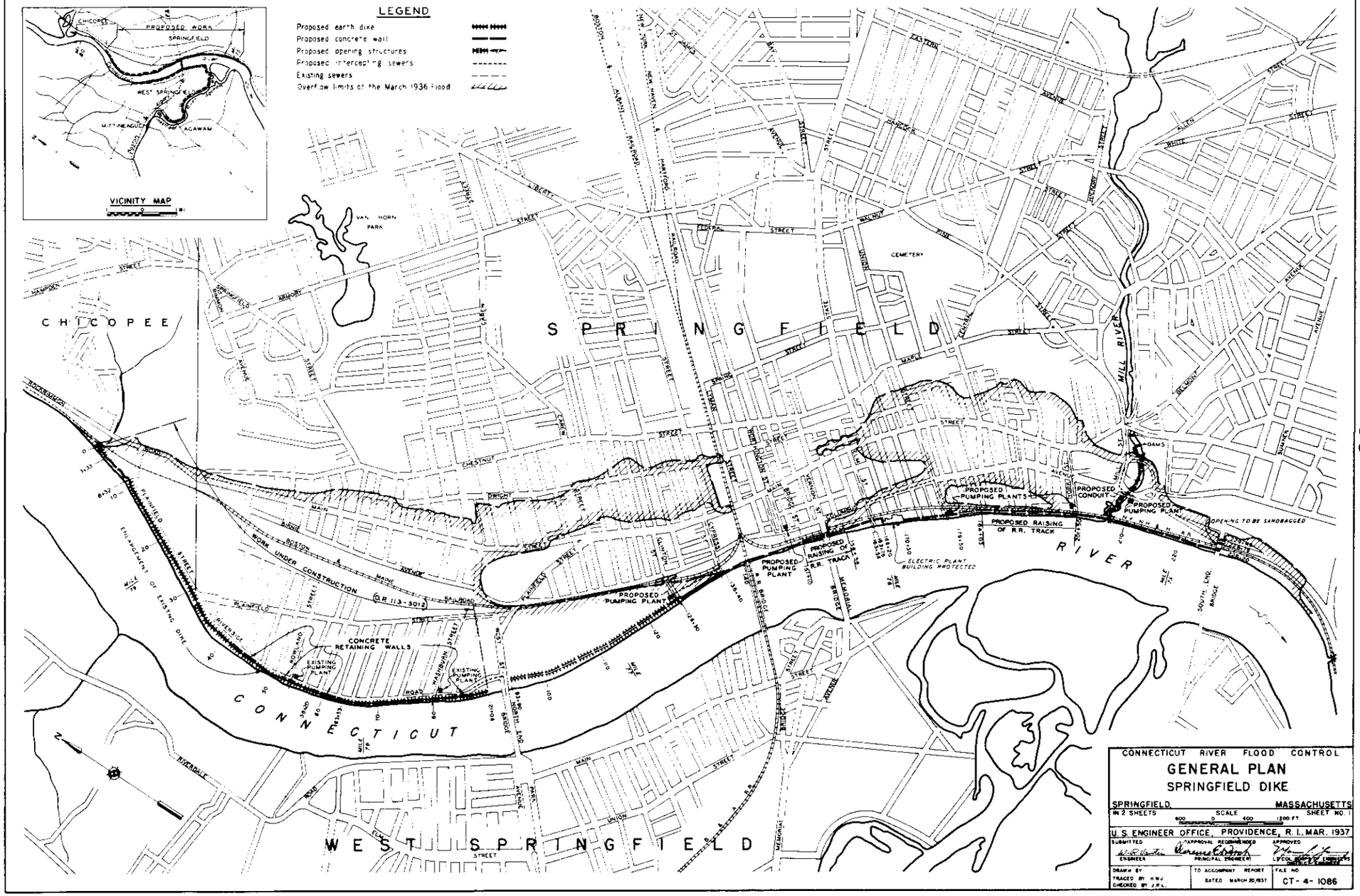
APPROVED LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY A.W.C. TRACED BY J.C. CHECKED BY C.M.N.

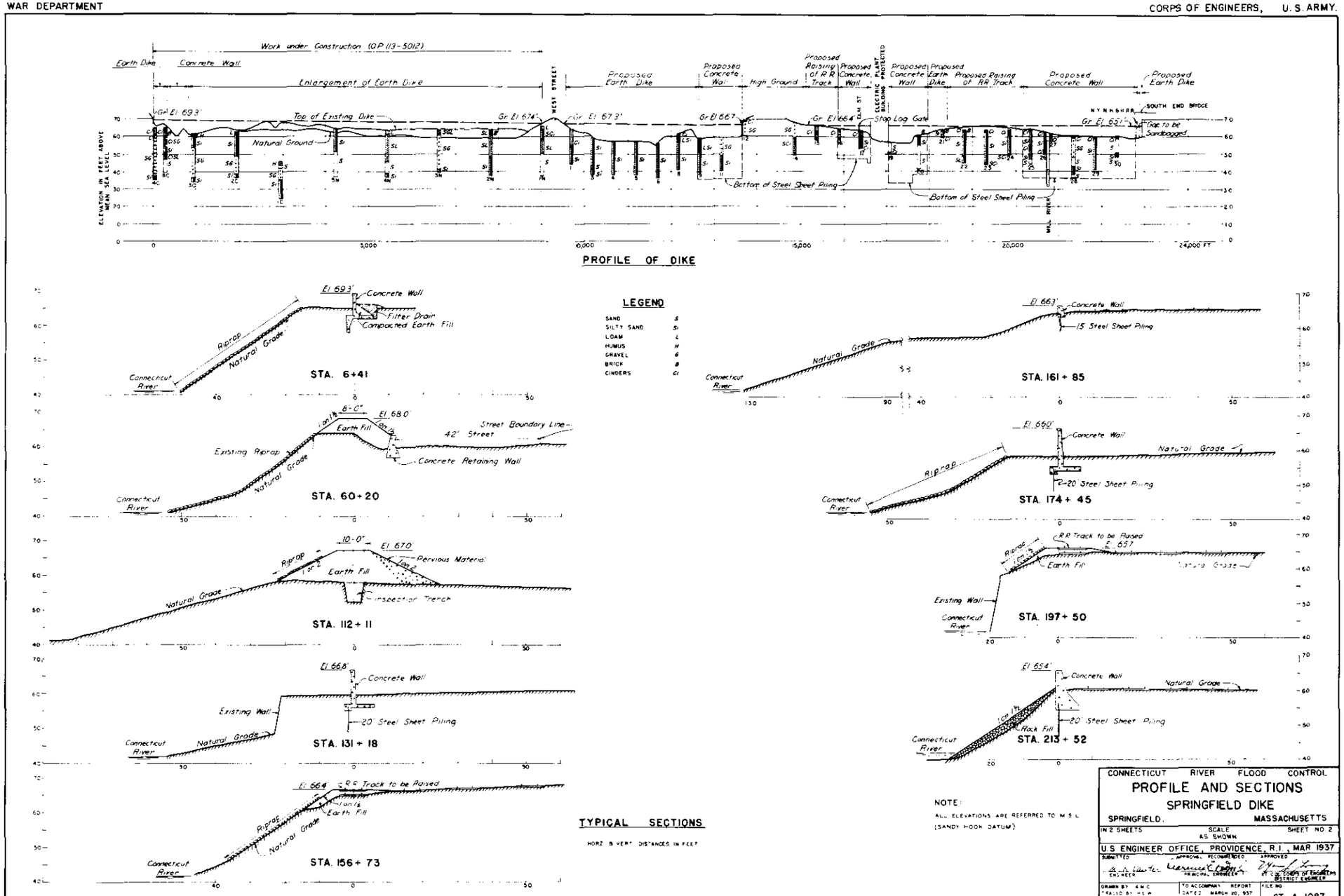
TO ACCOMPANY REPORT DATED MARCH 20, 1937

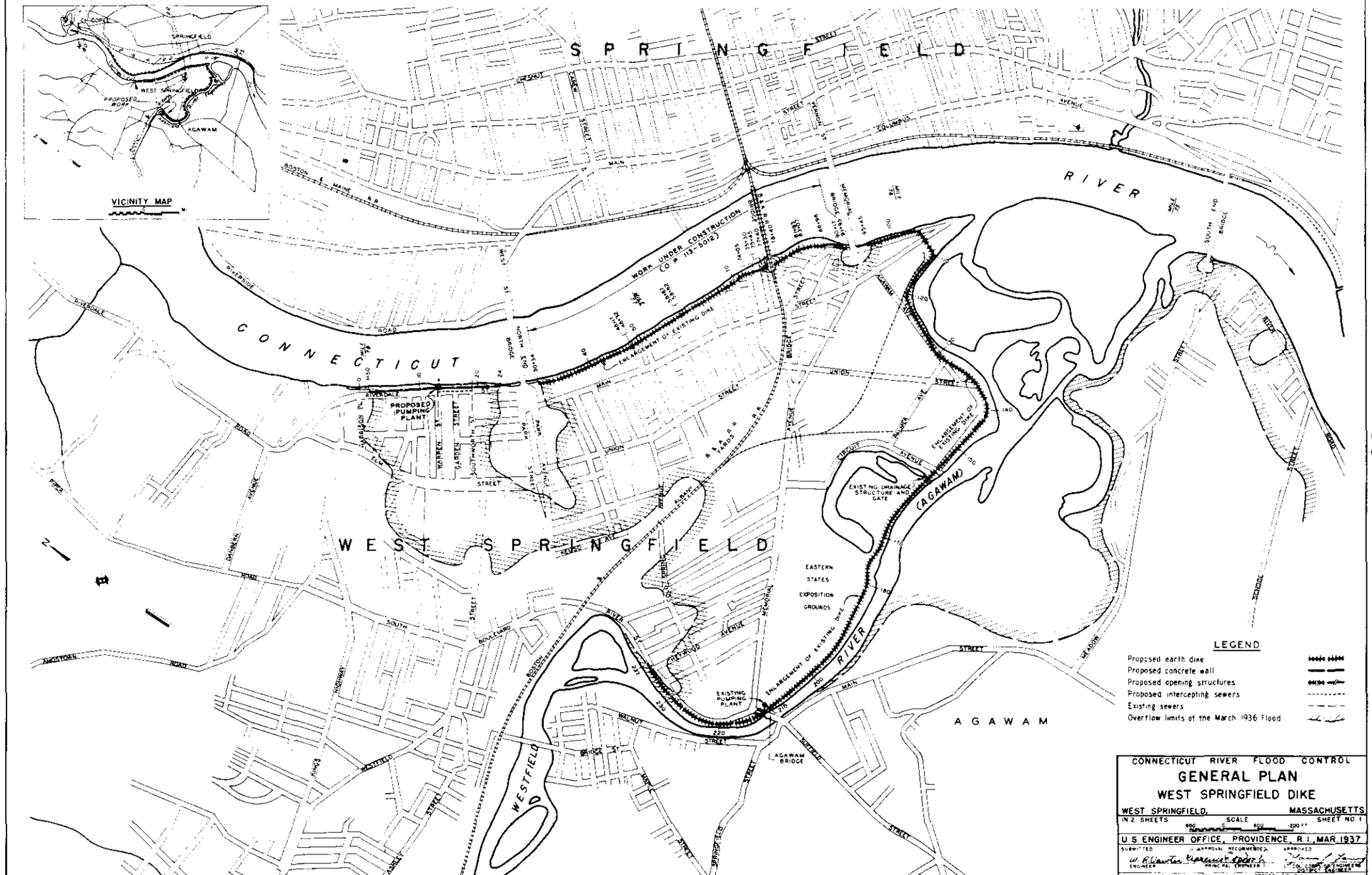
FILE NO. CT-4-1097

SEC. 6 - PLATE NO. 146



SEC. 5 - PLATE NO. 147


Work under Construction (QP 113-5012)
Earth Dike
Concrete Wall
Enlargement of Earth Dike
Proposed Earth Dike
Proposed Concrete Wall
High Ground
Proposed Raising of R.R. Track
Proposed Concrete Wall
Proposed Concrete Wall
Proposed Earth Dike
Proposed Raising of RR Track
Proposed Concrete Wall
Proposed Earth Dike
WEST STREET
ELECTRIC PLANT BUILDING PROTECTED
ELM ST
Gr El 69.3'
Top of Existing Dike
Natural Ground
Gr El 67.4'
Gr El 67.3'
Gr El 66.7'
Gr El 66.4'
Stop Log Gate
Gr El 65.1'
Gap to be Sandbagged
SOUTH END BRIDGE
Bottom of Steel Sheet Piling
Bottom of Steel Sheet Piling
MILL RIVER
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
0
5,000
10,000
15,000
20,000
24,000 FT
PROFILE OF DIKE
LEGEND
SAND S
SILTY SAND Si
LOAM L
HUMUS H
GRAVEL G
BRICK B
CINDERS Ci
El 69.3'
Concrete Wall
Filter Drain
Compacted Earth Fill
Riprap
Natural Grade
Connecticut River
STA. 6+41
8'-0"
El 68.0'
Earth Fill
Street Boundary Line
42' Street
Existing Riprap
Concrete Retaining Wall
Natural Grade
Connecticut River
STA. 60+20
10'-0"
El 67.0'
Pervious Material
Riprap
Earth Fill
Inspection Trench
Natural Grade
STA. 112+11
El 66.8'
Concrete Wall
Existing Wall
20' Steel Sheet Piling
Natural Grade
Connecticut River
STA. 131+18
El 66.4'
R.R. Track to be Raised
Earth Fill
Riprap
Natural Grade
Connecticut River
STA. 156+73
El 66.3'
Concrete Wall
15' Steel Sheet Piling
Natural Grade
Connecticut River
STA. 161+85
El 66.0'
Concrete Wall
Natural Grade
Riprap
20' Steel Sheet Piling
Connecticut River
STA. 174+45
R.R. Track to be Raised
El 65.7
Riprap
Earth Fill
Natural Grade
Existing Wall
Connecticut River
STA. 197+50
El 65.4'
Concrete Wall
Natural Grade
20' Steel Sheet Piling
Rock Fill
Connecticut River
STA. 213+52
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
ENGINEER
APPROVAL RECOMMENDED
PRINCIPAL ENGINEER
APPROVED
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY A.M.C.
TRACED BY H.S.W.
CHECKED BY J.R.L.
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO
CT-4-1087



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

WEST SPRINGFIELD DIKE

WEST SPRINGFIELD, MASSACHUSETTS

IN 2 SHEETS SCALE 400 0 400 800 FT SHEET NO 1

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

SUBMITTED W. R. Hunter ENGINEER

APPROVAL RECOMMENDED Clarence F. Rogers PRINCIPAL ENGINEER

APPROVED [illegible] DISTRICT ENGINEER

DRAWN BY

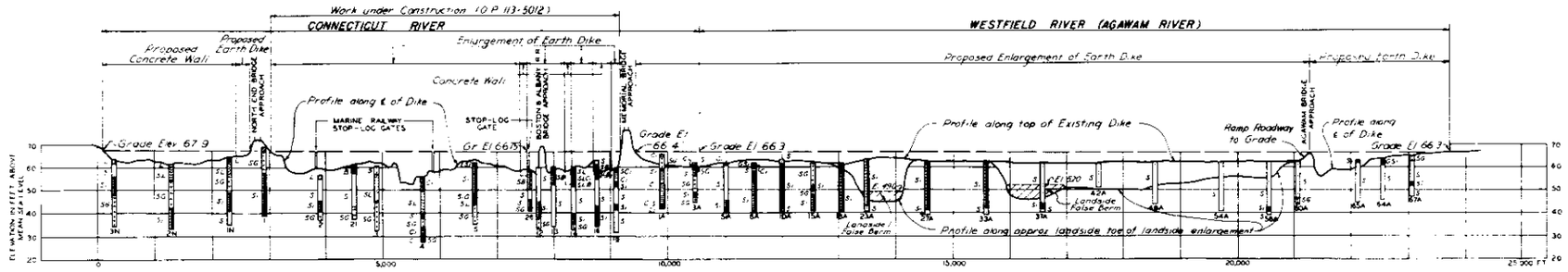
TRACED BY W.W.J.

CHECKED BY R.R.G.

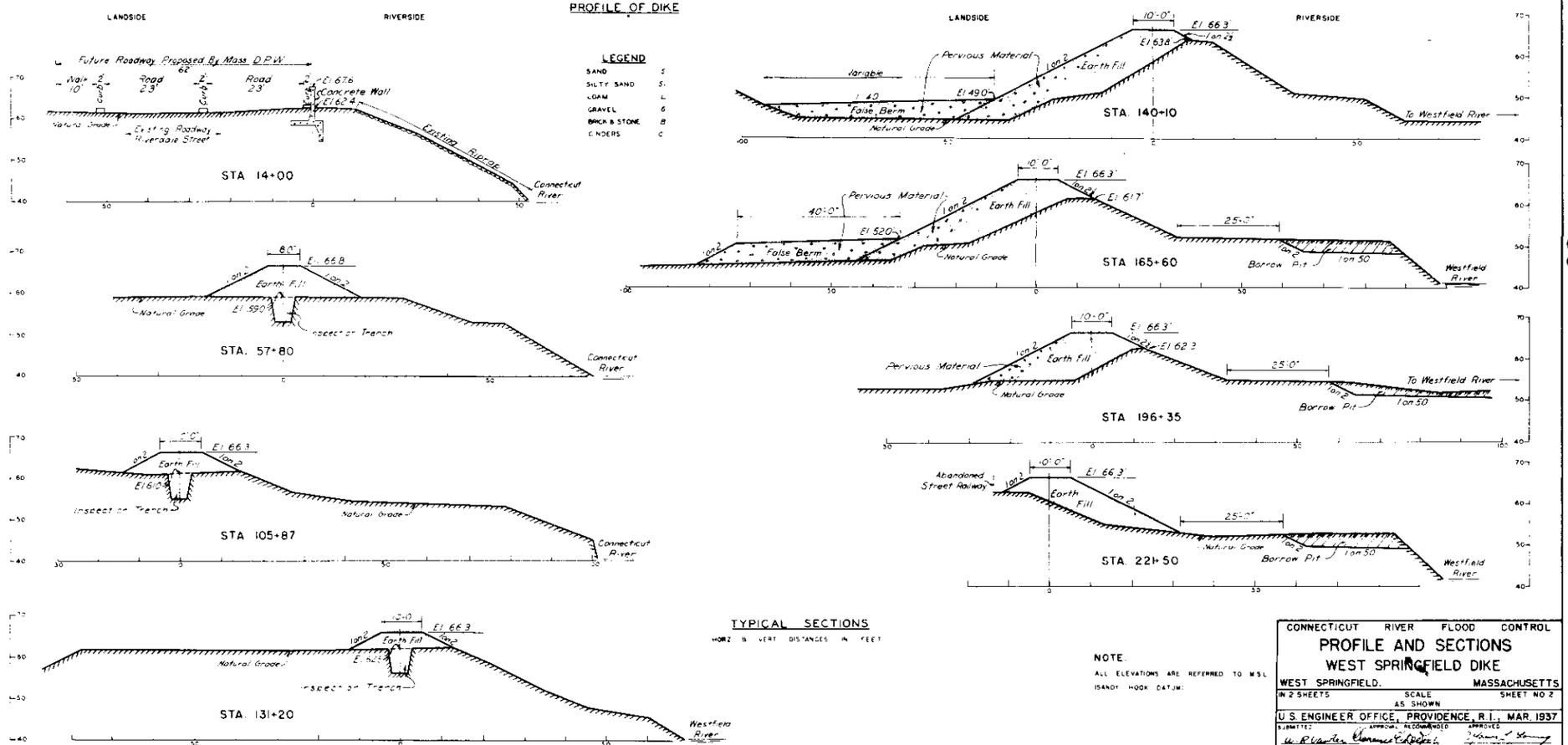
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO CT-4-1082

SEC 5 - PLATE NO 149



PROFILE OF DIKE



LEGEND

SAND	S
SILTY SAND	Si
LOAM	L
GRAVEL	G
BRICK & STONE	B
CINDERS	C

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. Vanton, ENGINEER

APPROVAL RECOMMENDED: Clarence E. Dickerson, PRINCIPAL ENGINEER

APPROVED: [illegible], U.S. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY H.F.B. TRACED BY N.E.W. CHECKED BY P.P.G.

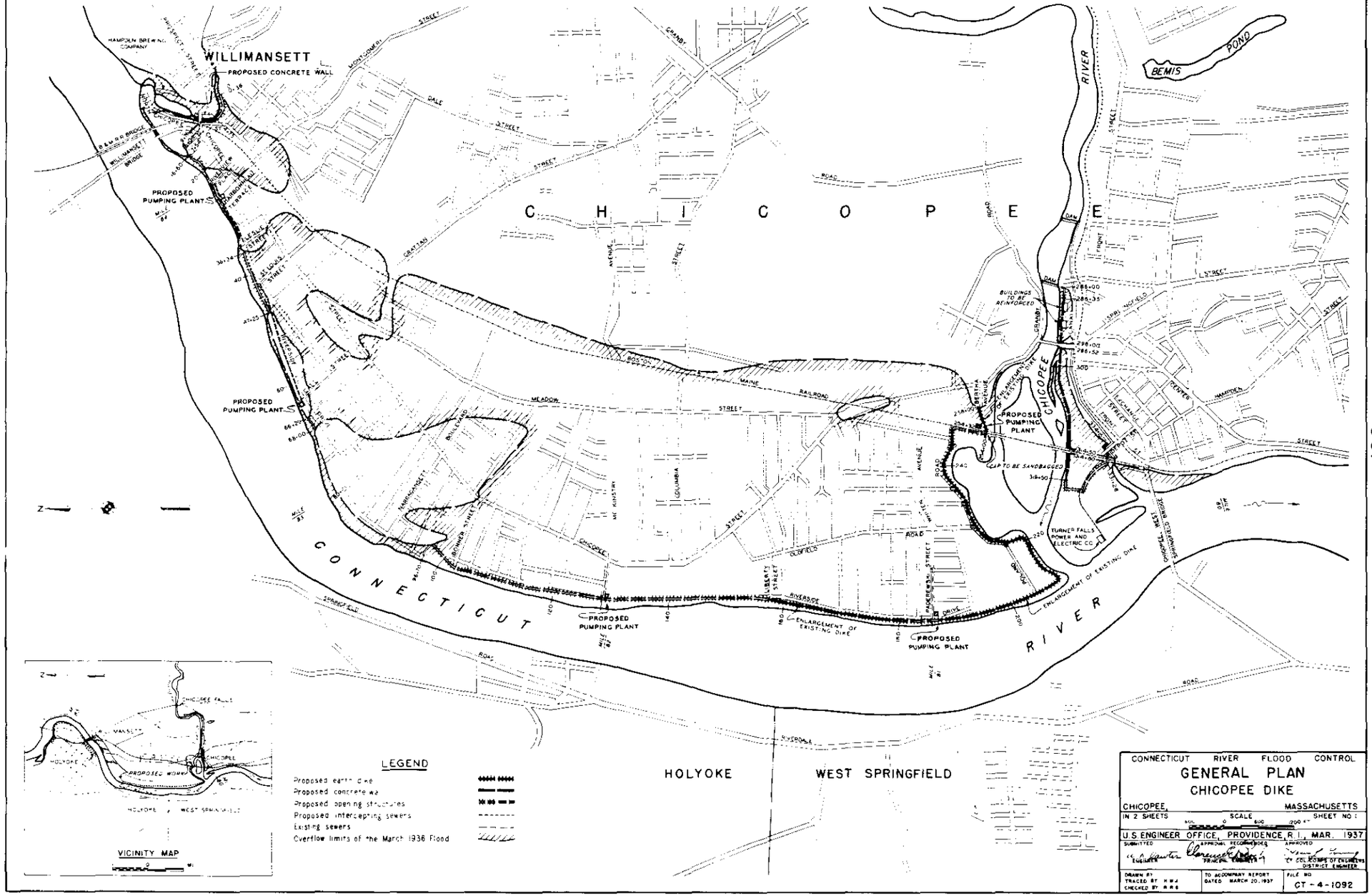
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO CT-4-1083

SEC 5 - PLATE NO 150

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

CHICOPEE DIKE

CHICOPEE, MASSACHUSETTS

IN 2 SHEETS SCALE SHEET NO 1

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

SUBMITTED APPROVAL RECOMMENDED APPROVED

ENGINEER PRINCIPAL ENGINEER COL. CORPS OF ENGINEERS DISTRICT ENGINEER

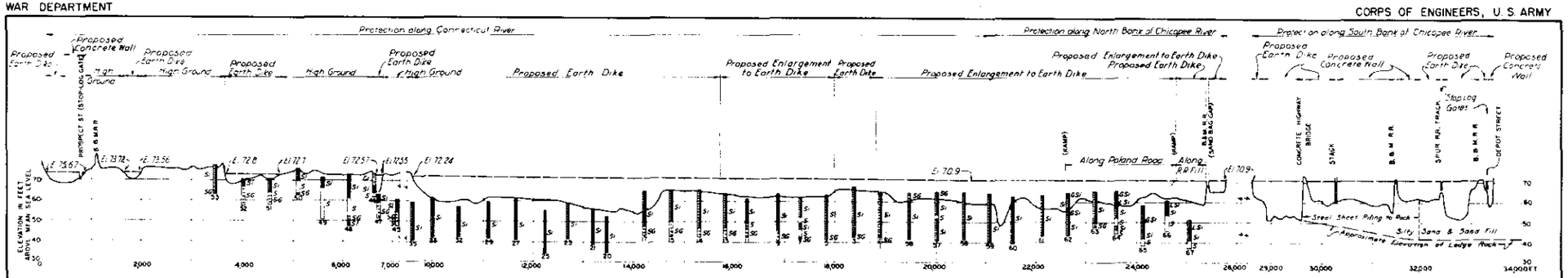
DRAWN BY TRACED BY CHECKED BY

TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO CT - 4 - 1092

WAR DEPARTMENT

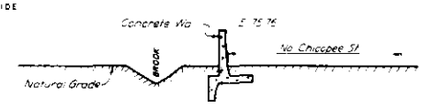
CORPS OF ENGINEERS, U. S. ARMY



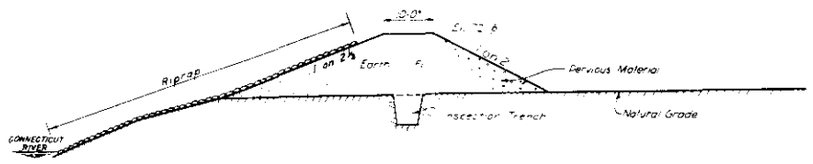
PROFILE OF DIKE

LEGEND

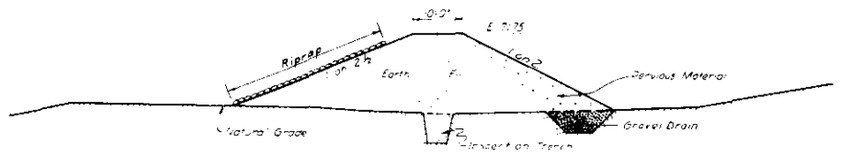
SAND	S
SILTY SAND	Si
SILT	St
GRAVEL	G
LOAM	L
CINDERS	Ci



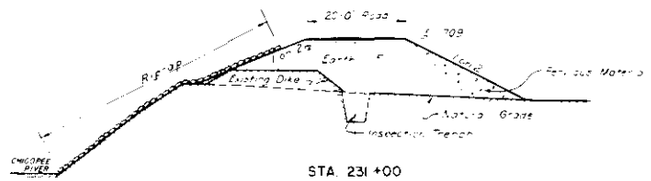
STA. 6+00



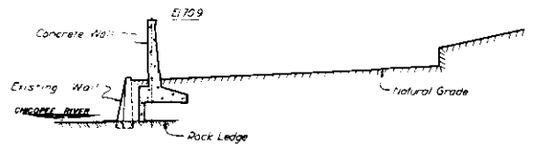
STA. 102+00



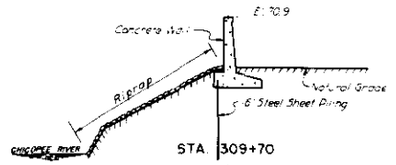
STA. 133+00



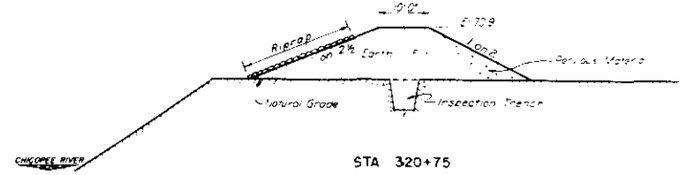
STA. 231+00



STA. 295+88



STA. 309+70



STA. 320+75

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. Cowles, ENGINEER

APPROVAL RECOMMENDED Lawrence Cole, PRINCIPAL ENGINEER

APPROVED [illegible], Lt. Col., CORPS OF ENGINEERS, DISTRICT ENGINEER

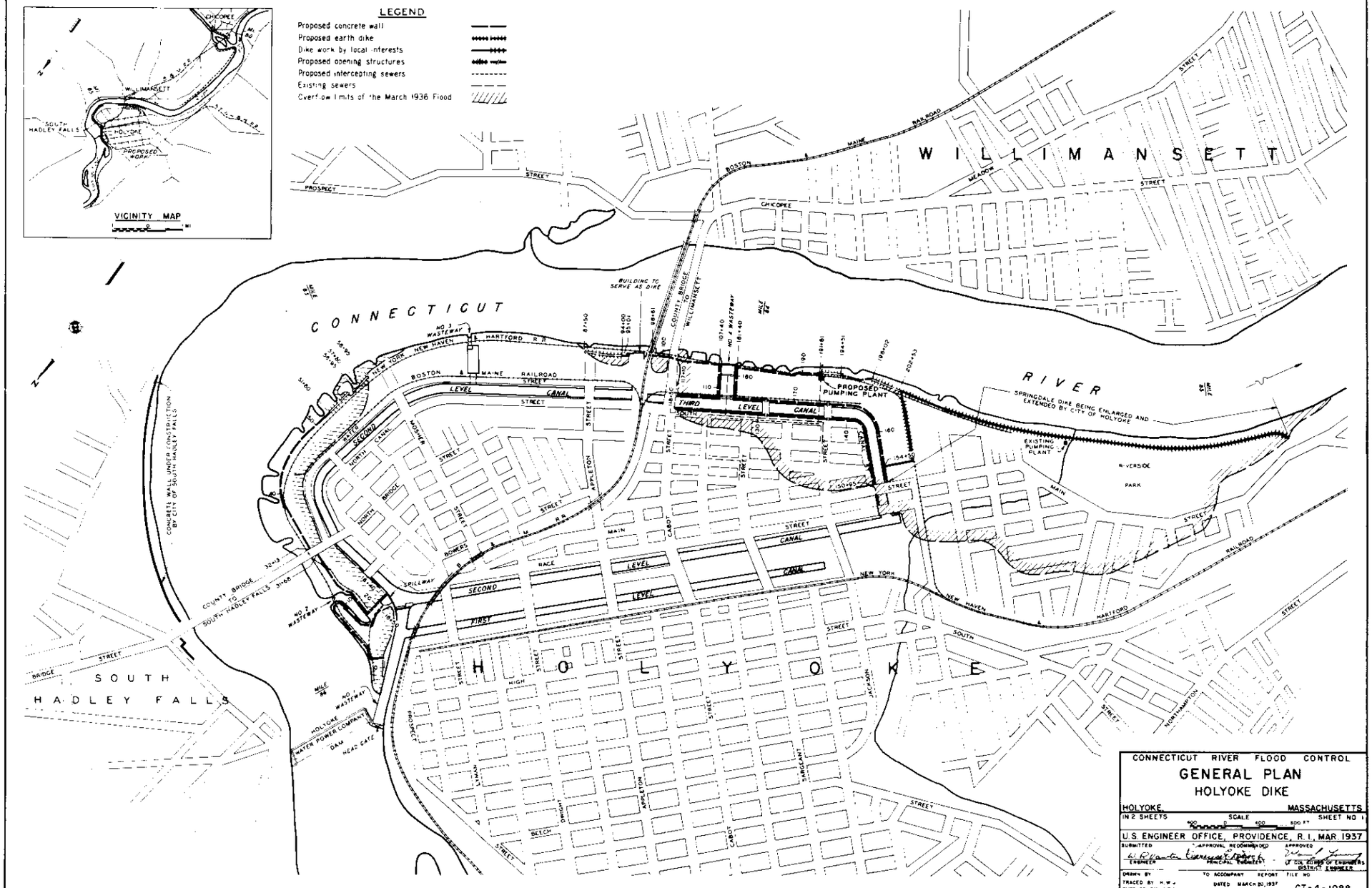
DRAWN BY W.C.D.
TRACED BY N.W.J.
CHECKED BY R.A.D.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO CT-4-1093

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

HOLYOKE DIKE

HOLYOKE, MASSACHUSETTS

IN 2 SHEETS SCALE 400 0 400 800 FT 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 — TRACED BY H.W.J. — CHECKED BY J.R.L.

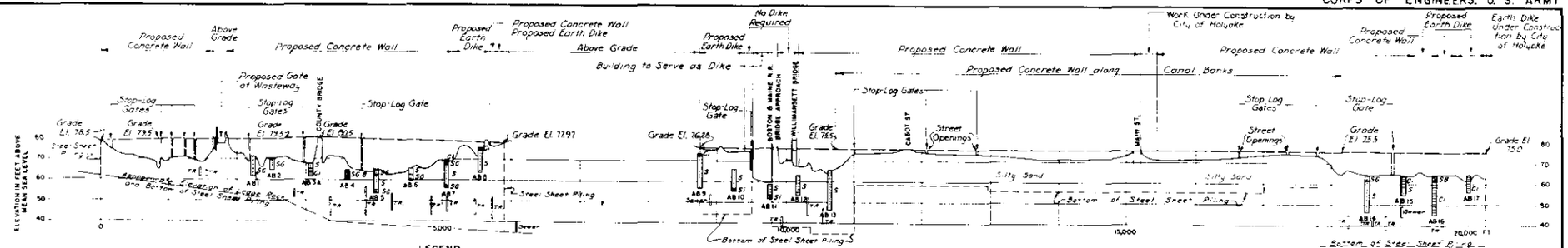
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-4-1088

SEC. 5 - PLATE NO. 153

WAR DEPARTMENT

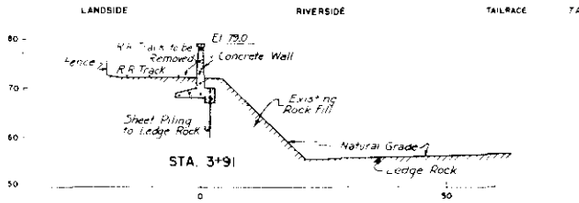
CORPS OF ENGINEERS, U. S. ARMY

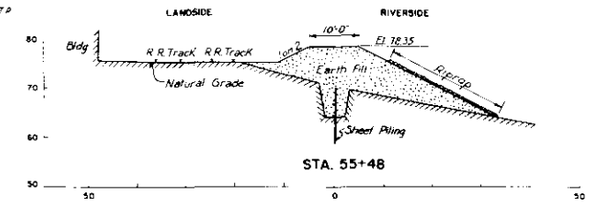


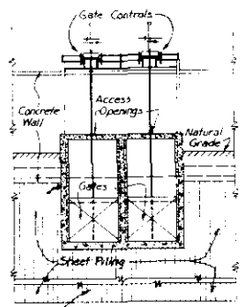
PROFILE OF DIKE

LEGEND

SAND	S
SILTY SAND	Si
GRAVEL	G
BRICK & STONE	B
CINDERS	Ci
TAILRACE	T.R.







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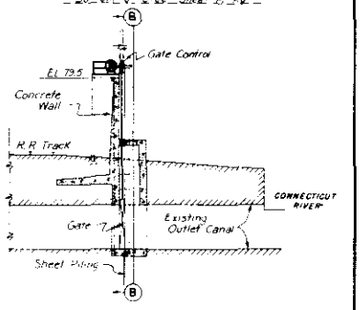
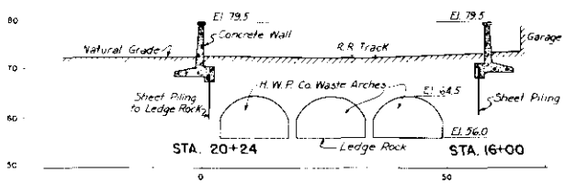
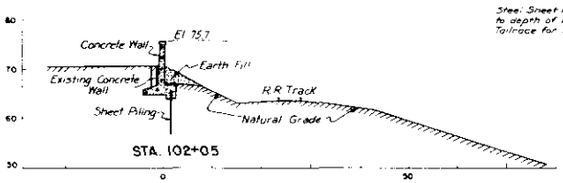
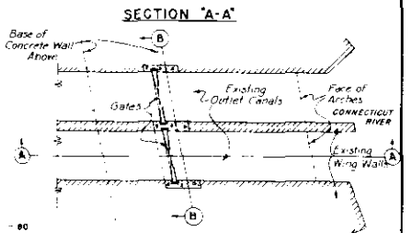


SECTION "A-A"

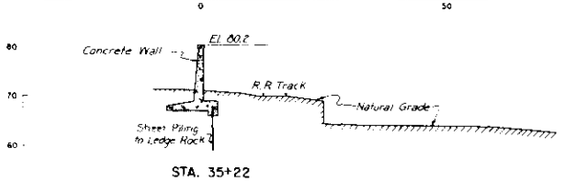


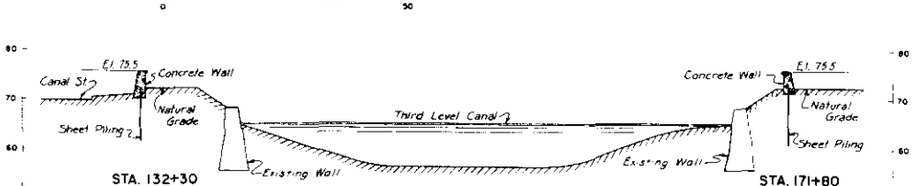


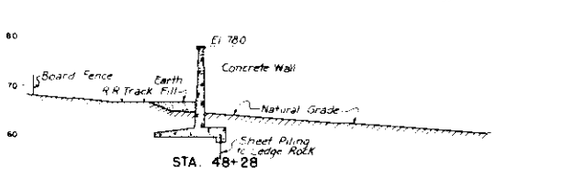


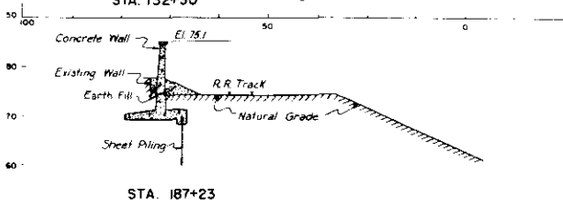
PLAN OF BACKWATER GATE AT TAILRACES

SCALE









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. Lawton, ENGINEER

APPROVAL RECOMMENDED: Clarence Dean, PRINCIPAL ENGINEER

APPROVED: [illegible], COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY H.F.R. TRACED BY K.E. CHECKED BY J.R.L.

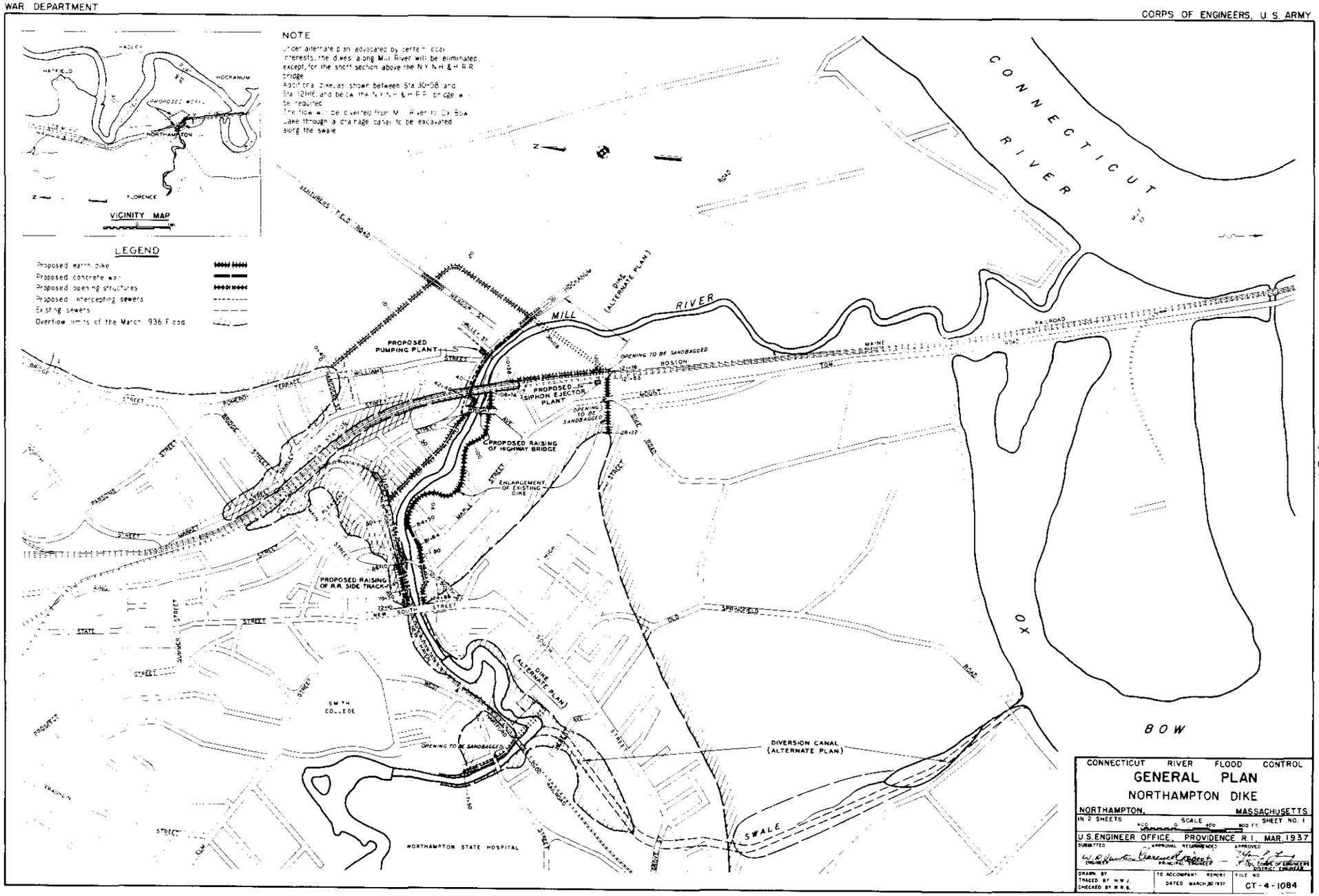
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-4-1089

— 103 —

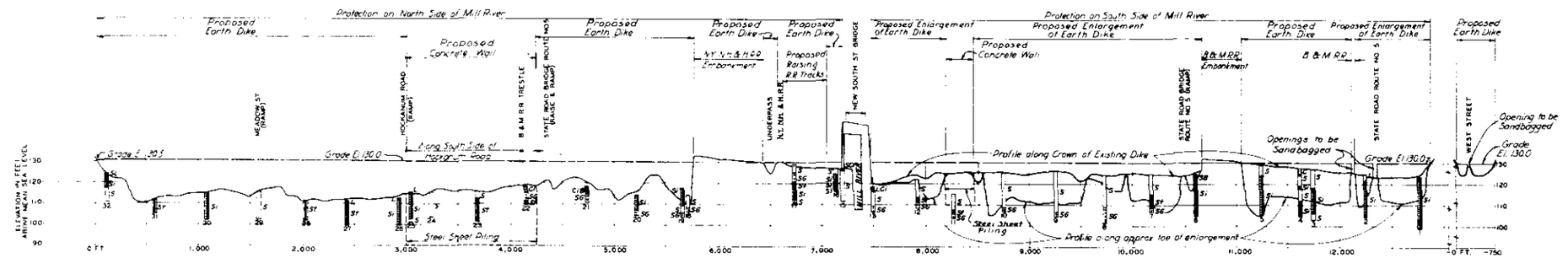
WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



WAR DEPARTMENT

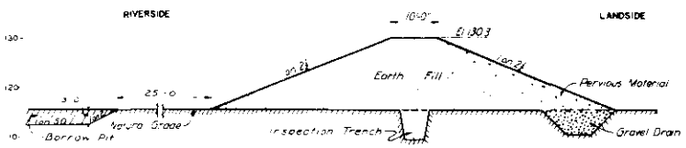
CORPS OF ENGINEERS, U. S. ARMY



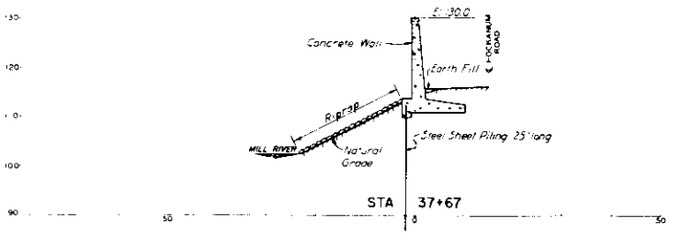
PROFILE OF DIKE

LEGEND

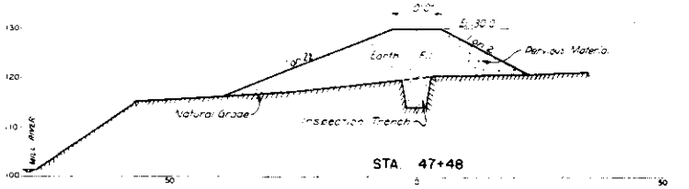
SAND	S
SILT	Sf
SILTY SAND	Si
LOAM	L
GRAVEL	G
CINDERS	Cn
BRICK	B



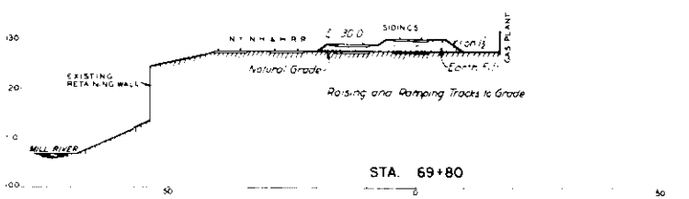
STA. 12+94



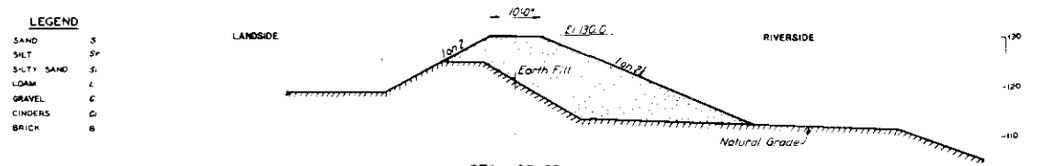
STA. 37+67



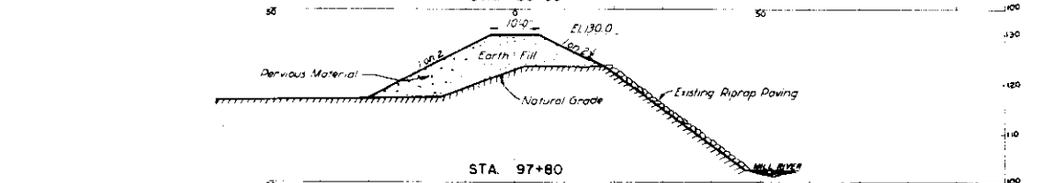
STA. 47+48



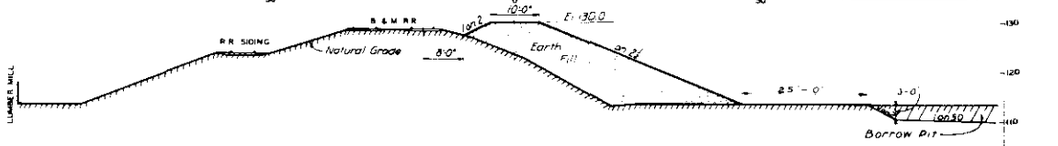
STA. 69+80



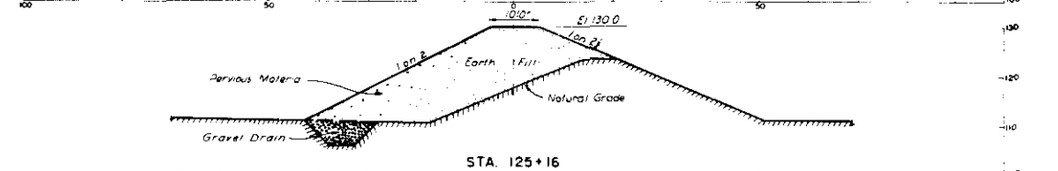
STA. 88+03



STA. 97+80



STA. 114+88



STA. 125+16

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. Venter, ENGINEER

APPROVAL RECOMMENDED: Clarence Coach, PRINCIPAL ENGINEER

APPROVED: Wm. J. Hoge, Lt. Col. Corps of Engineers, DISTRICT ENGINEER

DRAWN BY W. C. D. — TRACED BY H. W. J. — CHECKED BY

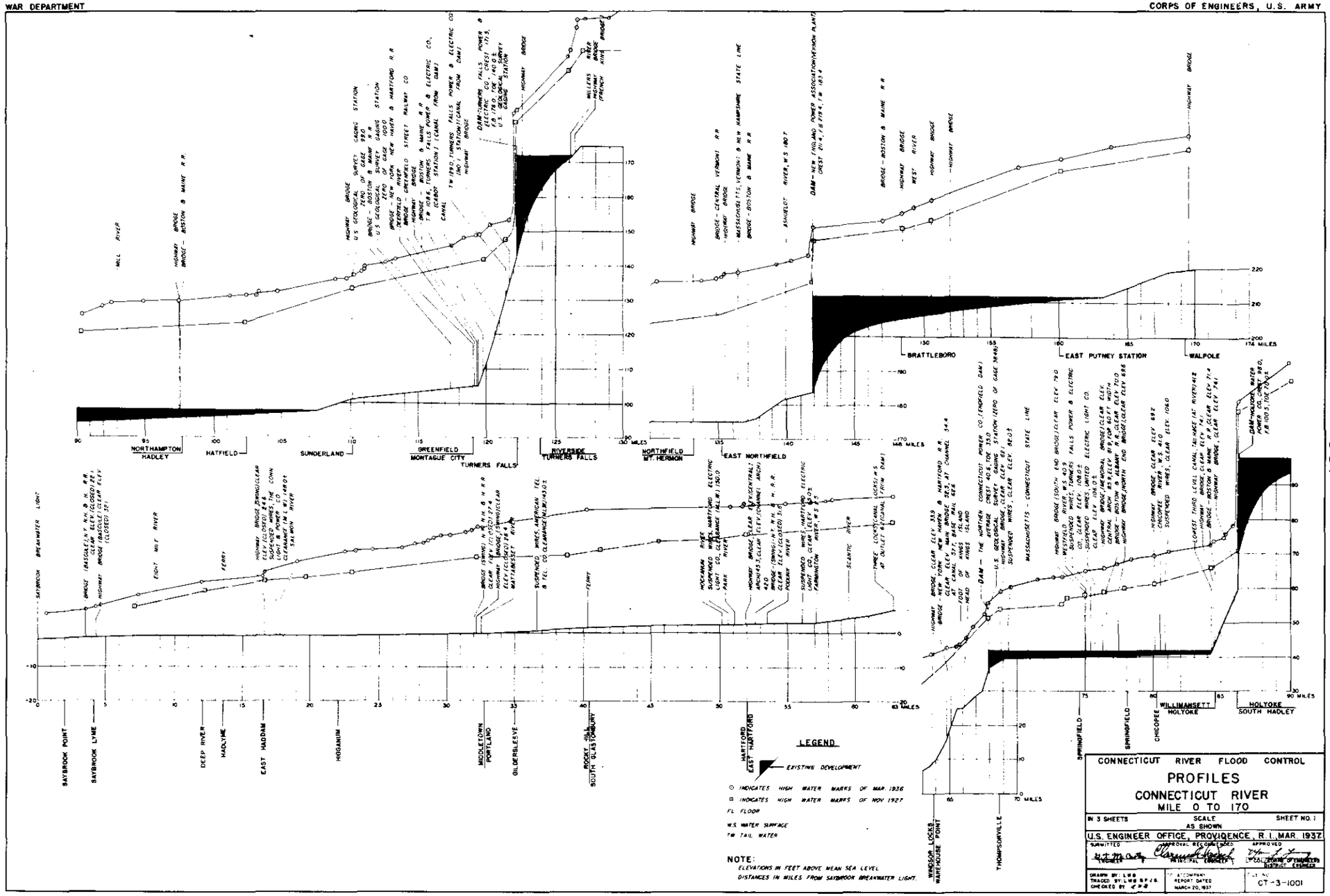
TO ACCOMPANY REPORT DATED MARCH 20, 1937

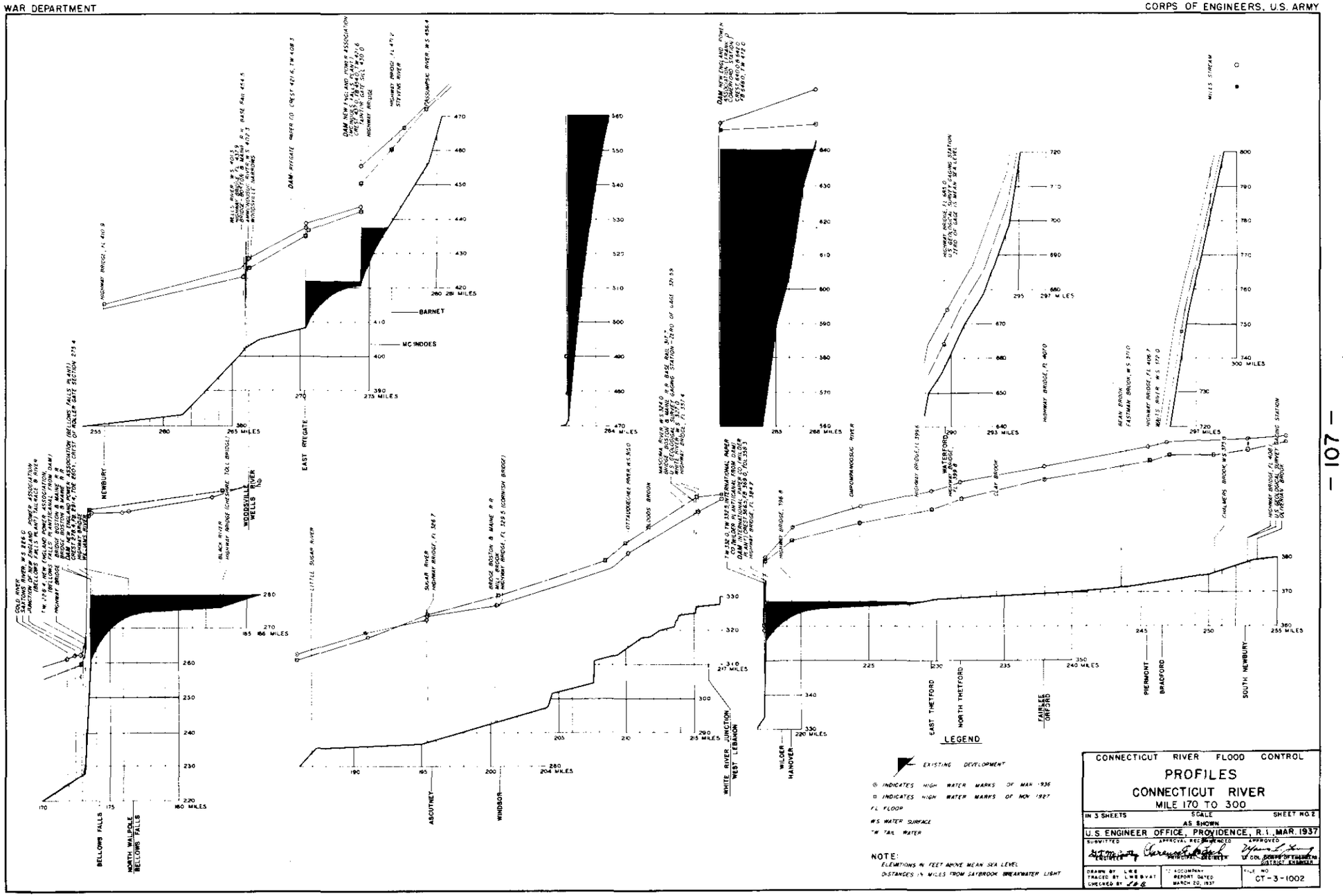
FILE NO. CT-4-1085

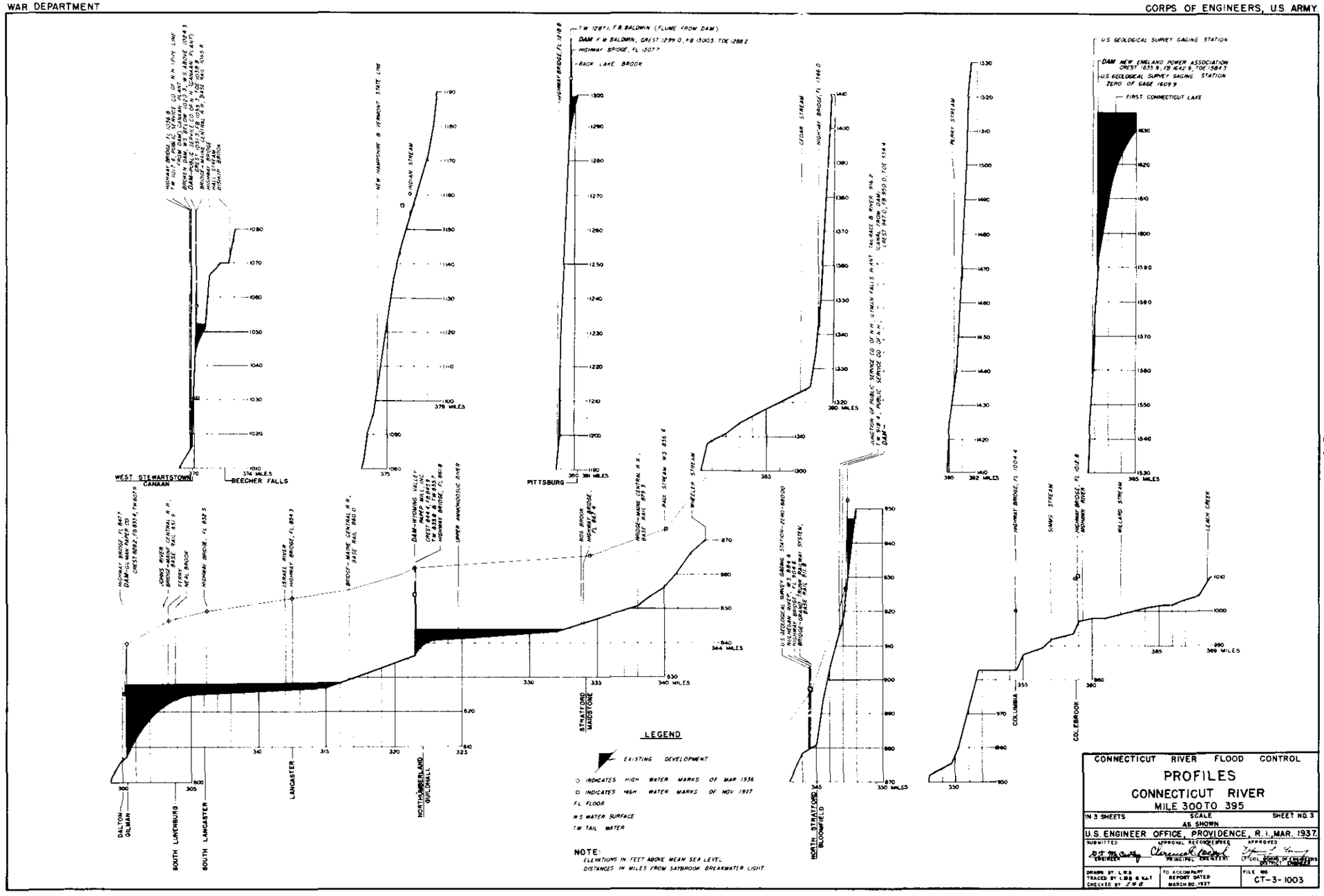
PLATE REFERENCE

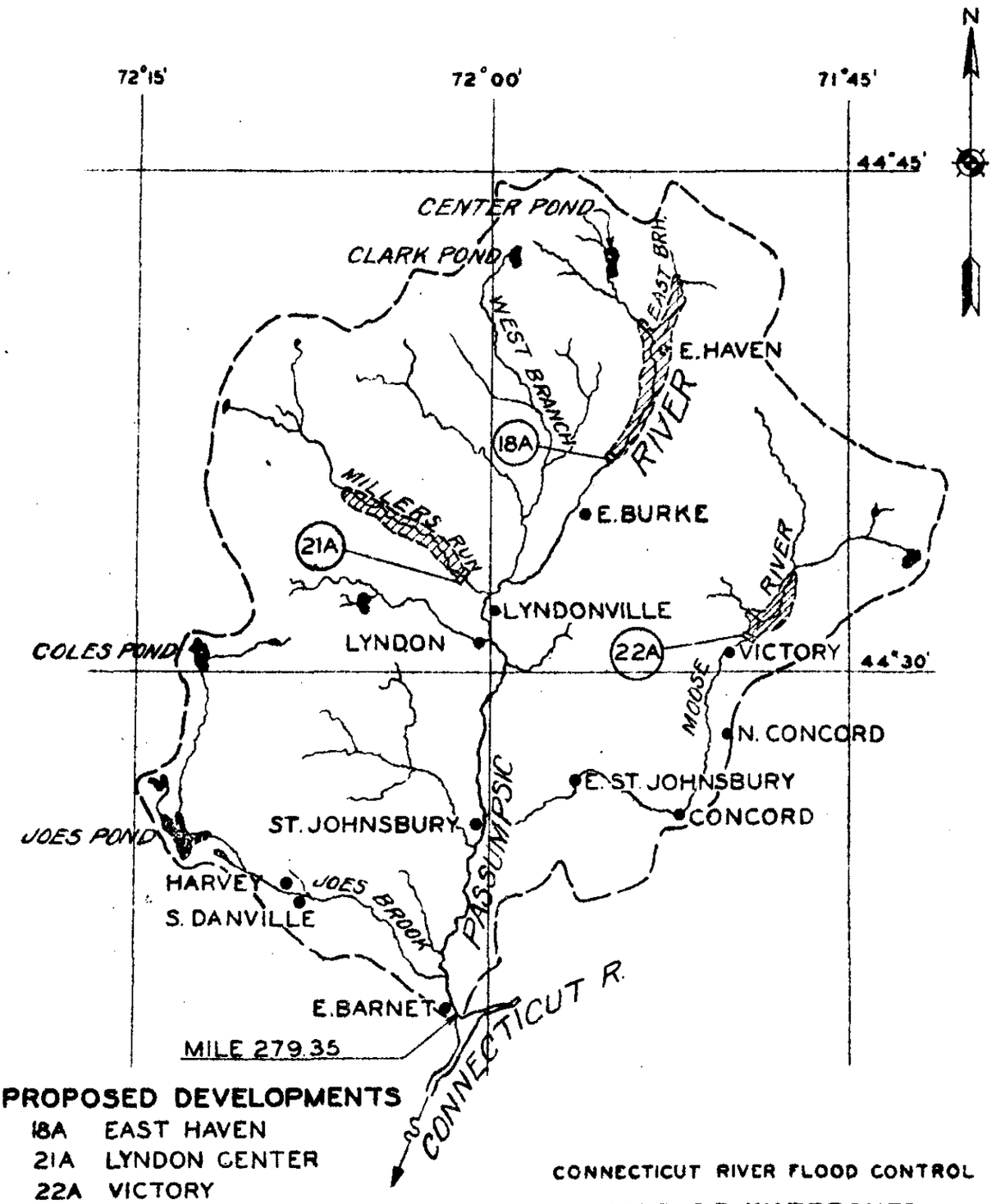
PROFILES

CONNECTICUT RIVER AND TRIBUTARIES


LEGEND
EXISTING DEVELOPMENT
⊙ INDICATES HIGH WATER MARKS OF MAR. 1936
⊙ INDICATES HIGH WATER MARKS OF NOV 1927
FL FLOOR
WS WATER SURFACE
TW 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 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
ENGINEER
DIVISION ENGINEER
DISTRICT ENGINEER
DRAWN BY: LWB
TRACED BY: LWB RFVS
CHECKED BY: JPB
ACCOMPANY REPORT DATED MARCH 20, 1937
CT-3-1001


BELLOWS FALLS
NORTH WALPOLE
BELLOWS FALLS
NEWBURY
WOODSVILLE
WELLS RIVER
EAST RYEGATE
BARNET
MC INDOES
ASCUTNEY
WINDSOR
WHITE RIVER JUNCTION
WEST LEBANON
WILDER
HANOVER
EAST THETFORD
NORTH THETFORD
FAIRLEE
ORFORD
PIERMONT
BRADFORD
SOUTH NEWBURY
LEGEND
EXISTING DEVELOPMENT
INDICATES HIGH WATER MARKS OF MAR 1936
INDICATES HIGH WATER MARKS OF NOV 1927
FL FLOOR
WS WATER SURFACE
TW 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 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
DRAWN BY L.W.B.
TRACED BY L.W.B. & V.A.T.
CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-3-1002


WEST STEWARTSTOWN
CANAAN
BEECHER FALLS
PITTSBURG
DALTON
GILMAN
SOUTH LUNENBURG
SOUTH LANCASTER
LANCASTER
NORTHUMBERLAND
GUILDHALL
STRATFORD
MAIDSTONE
NORTH STRATFORD
BLOOMFIELD
COLUMBIA
COLEBROOK
LEGEND
EXISTING DEVELOPMENT
INDICATES HIGH WATER MARKS OF MAR 1936
INDICATES HIGH WATER MARKS OF NOV 1927
FL FLOOR
WS WATER SURFACE
TW 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
ENGINEER
PRINCIPAL ENGINEER
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY L.W.B.
TRACED BY L.W.B. & V.A.T.
CHECKED BY J.W.G.
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO.
CT-3-1003



PROPOSED DEVELOPMENTS

18A EAST HAVEN
21A LYNDON CENTER
22A VICTORY

LEGEND

PROPOSED DEVELOPMENT

18A DAM IDENTIFICATION NUMBER

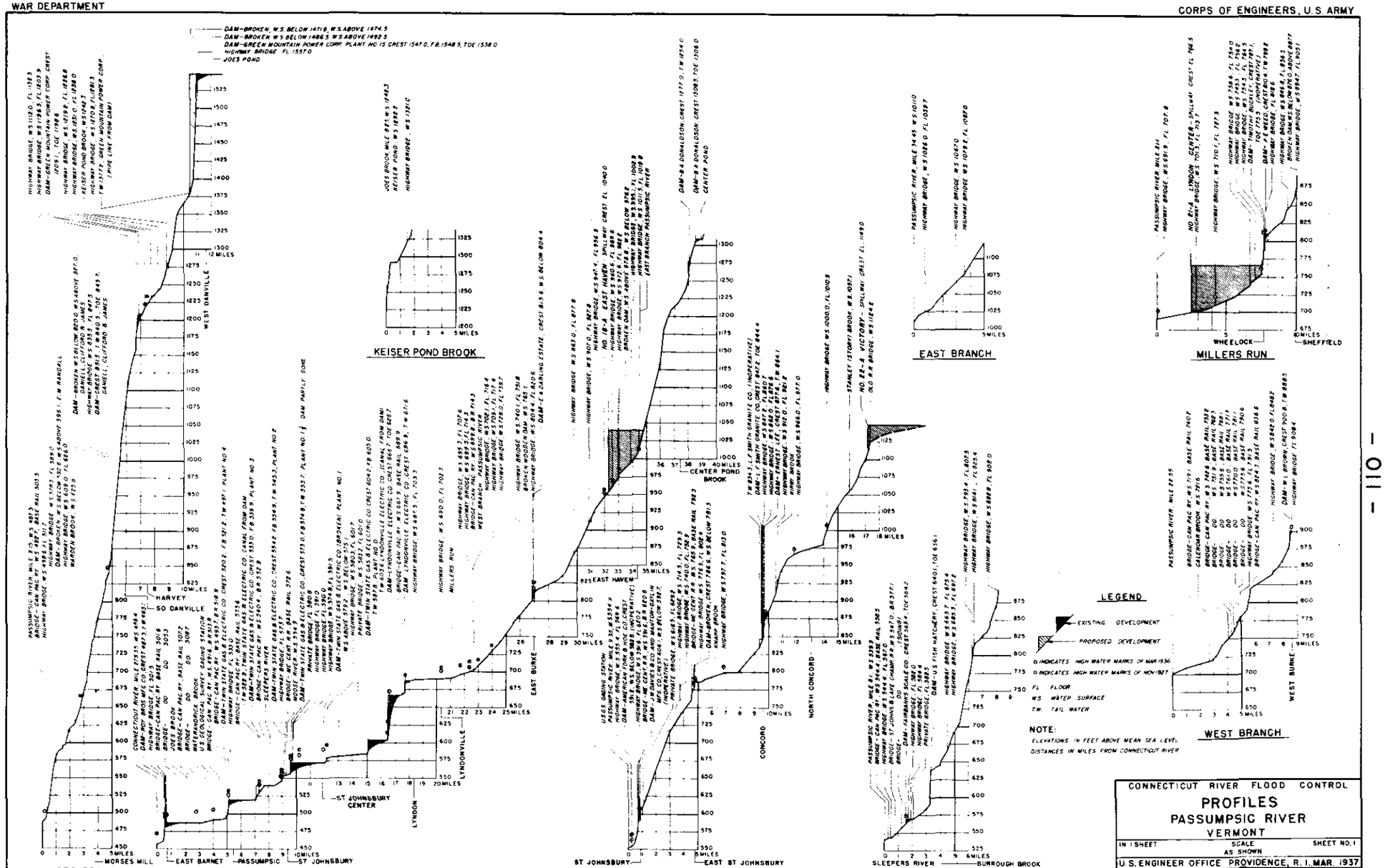
CONNECTICUT RIVER FLOOD CONTROL

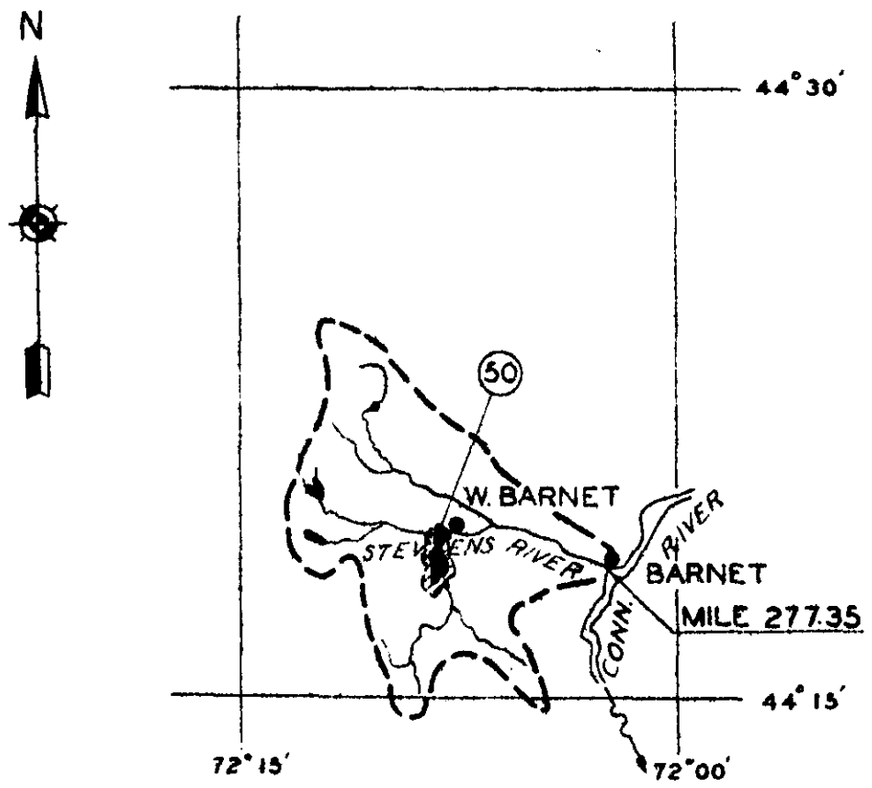
MAP OF WATERSHED

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
INDICATES HIGH WATER MARKS OF MAR 1936
INDICATES HIGH WATER MARKS OF NOV 1927
FL FLOOR
WS 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
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
ENGINEER
PRINCIPAL ENGINEER
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY J.F.J.
TRACED BY J.F.J.
CHECKED BY J.Z.B.
TO ACCOMPANY REPORT DATED MARCH 30, 1937
FILE NO.
CT-3-1014



PROPOSED DEVELOPMENT

50 HARVEY LAKE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

STEVENS RIVER, VERMONT

U. S. ENGINEER OFFICE

PROVIDENCE, R. I.

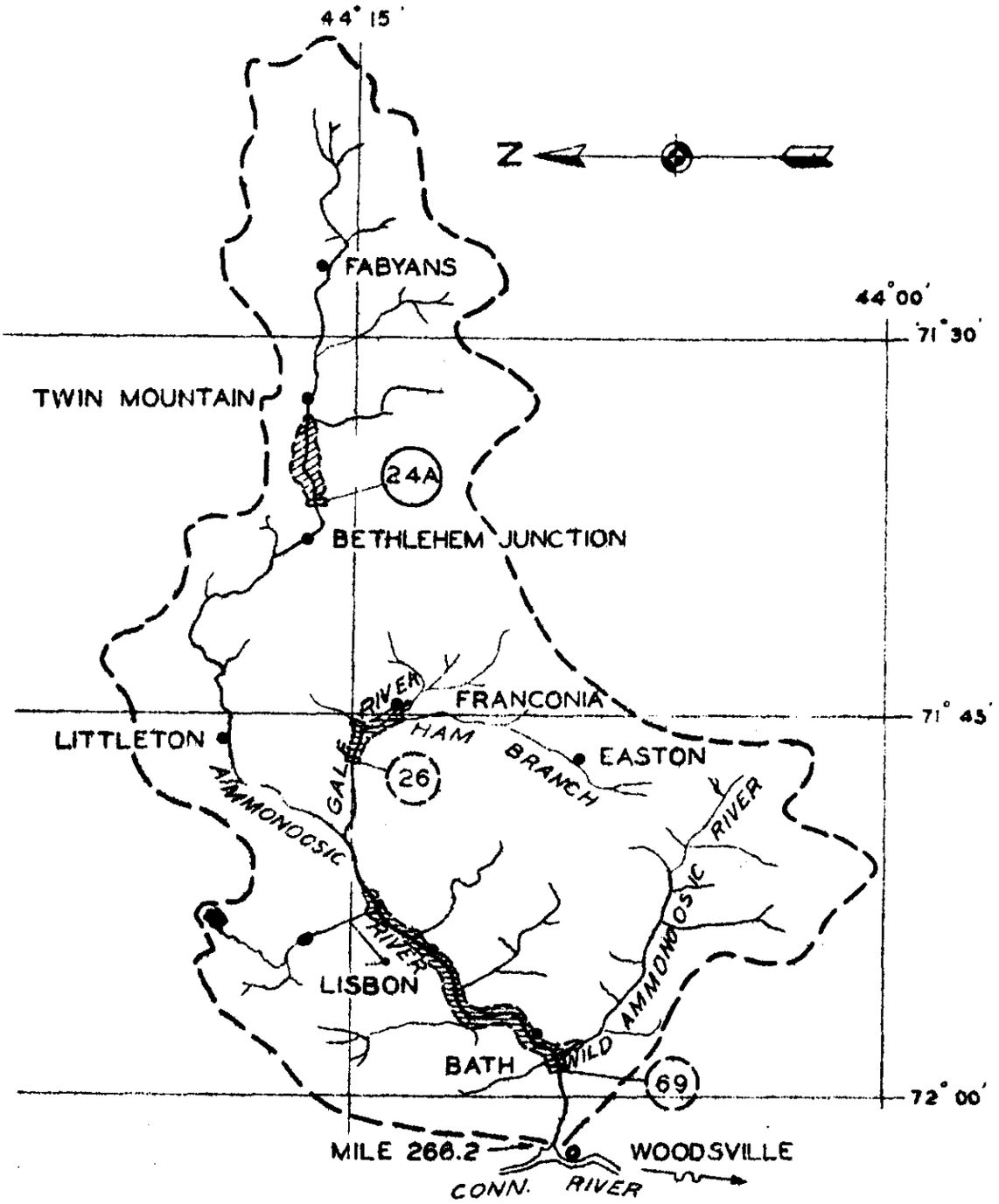
SCALE

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

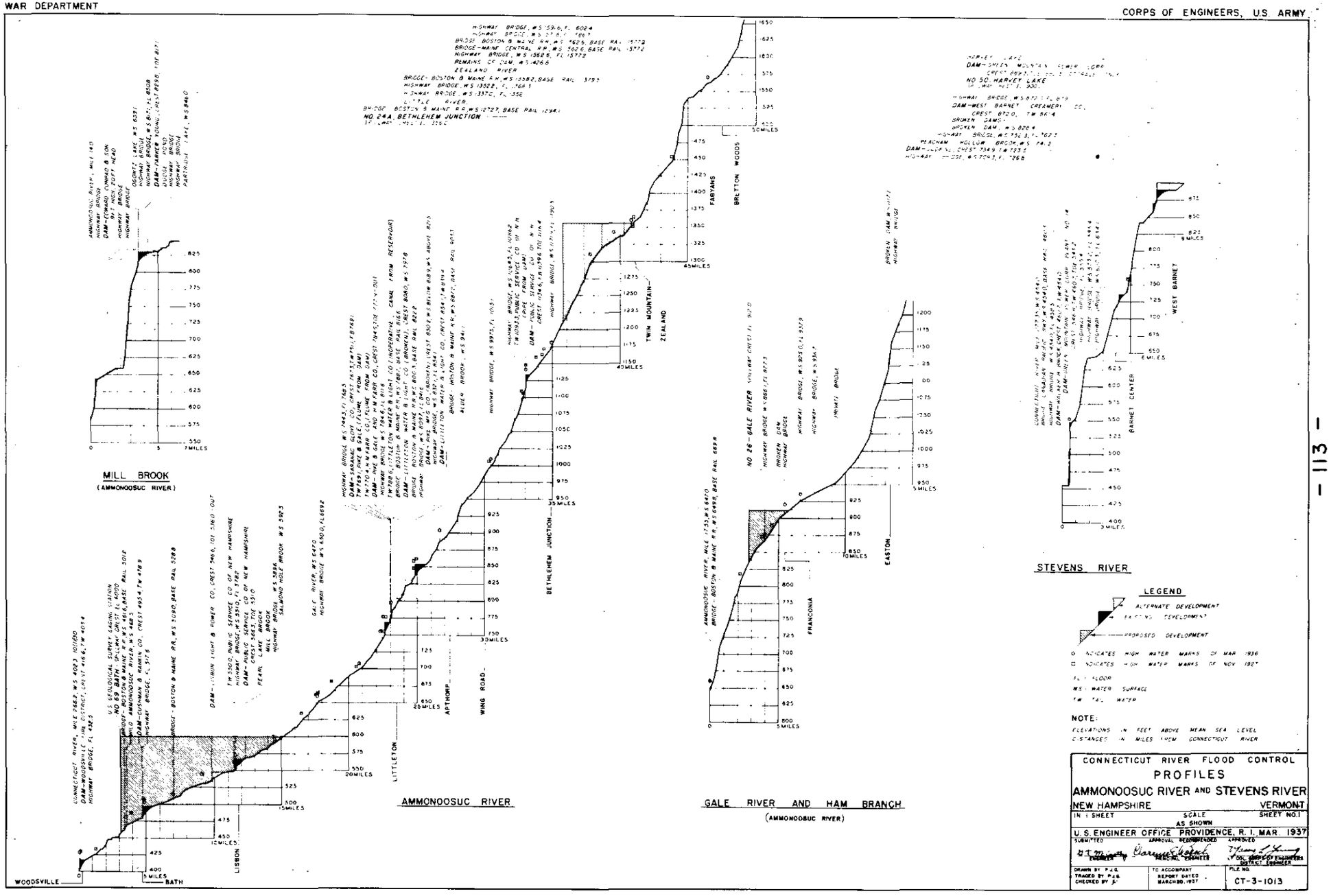
AMMONOOSUC RIVER, N.H.

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

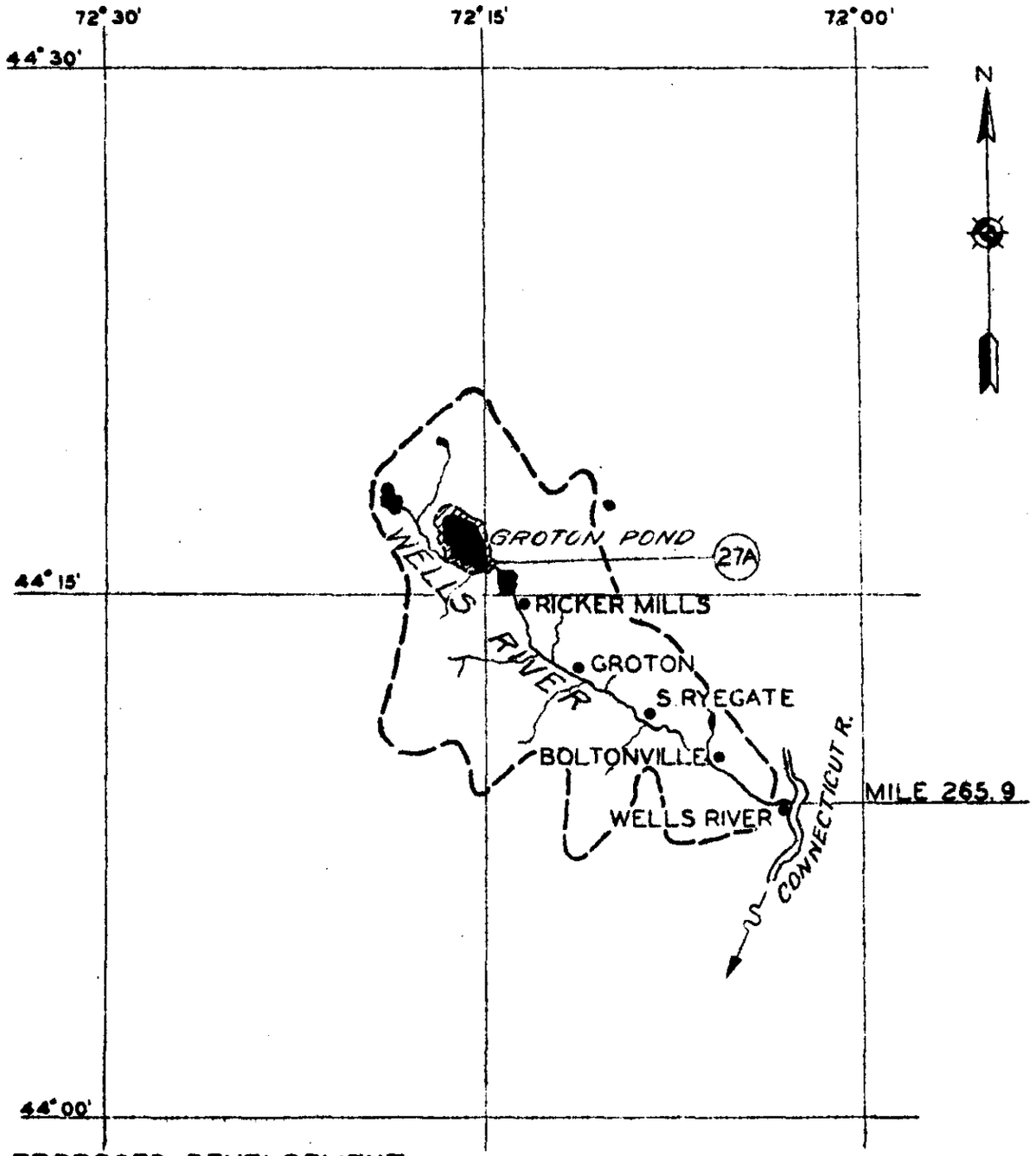
NEW HAMPSHIRE VERMONT

IN 1 SHEET	SCALE AS SHOWN	SHEET NO.1

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

SUBMITTED	APPROVAL RECOMMENDED	APPROVED
DIVISION ENGINEER	SPECIAL ENGINEER	COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY P.J.C. TRACED BY P.J.C. CHECKED BY J.*	TO ACCOMPANY REPORT DATED MARCH 30, 1937	FILE NO. CT-3-1013



PROPOSED DEVELOPMENT
27A GROTON POND

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

WELLS RIVER, VERMONT

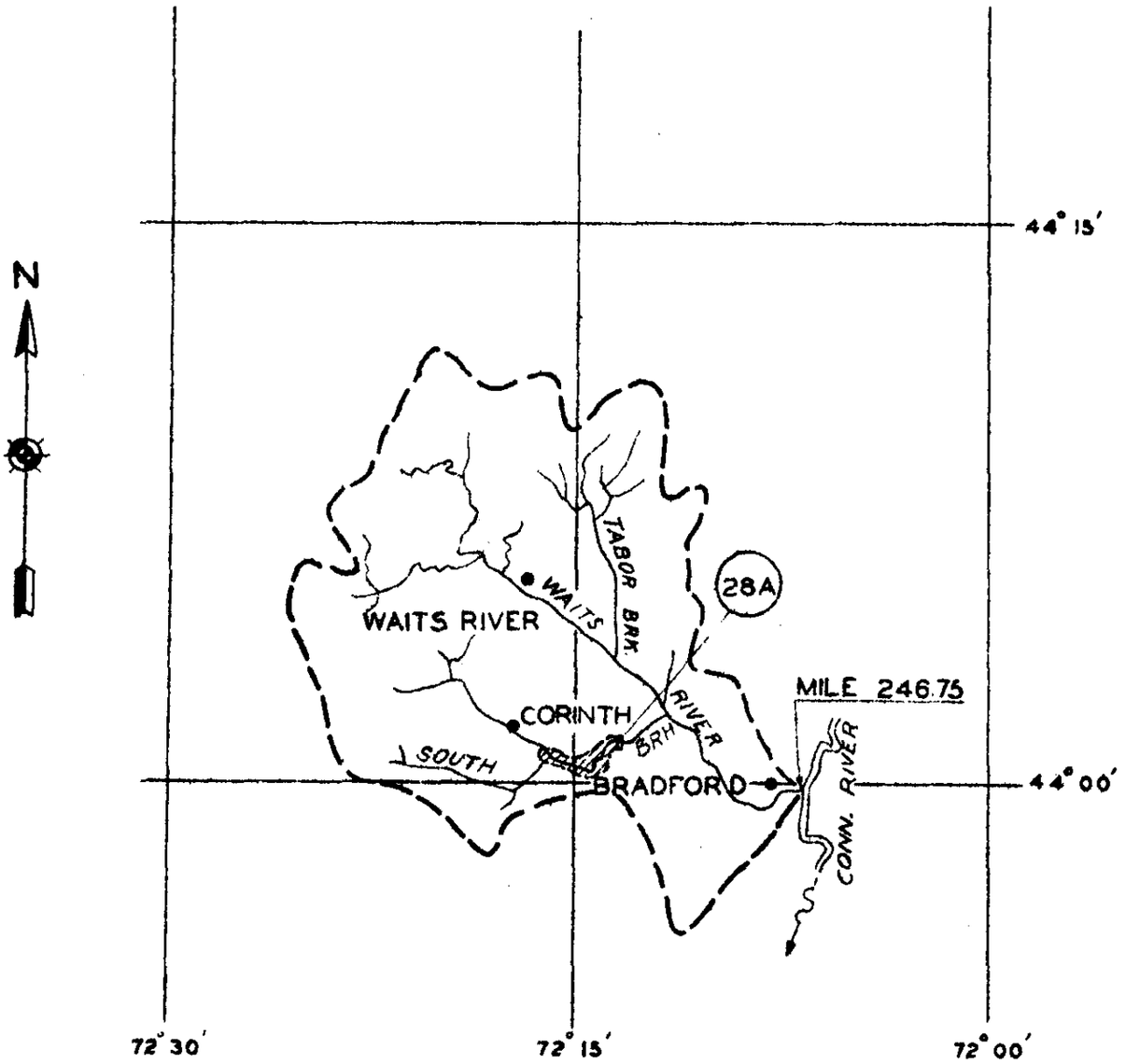
U. S. ENGINEER OFFICE
PROVIDENCE, R.I.

LEGEND

PROPOSED DEVELOPMENT

27A — DAM IDENTIFICATION NUMBER

SCALE
5 0 5 10 MI.



PROPOSED DEVELOPMENT
28A SOUTH BRANCH

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED
WAITS RIVER, VERMONT

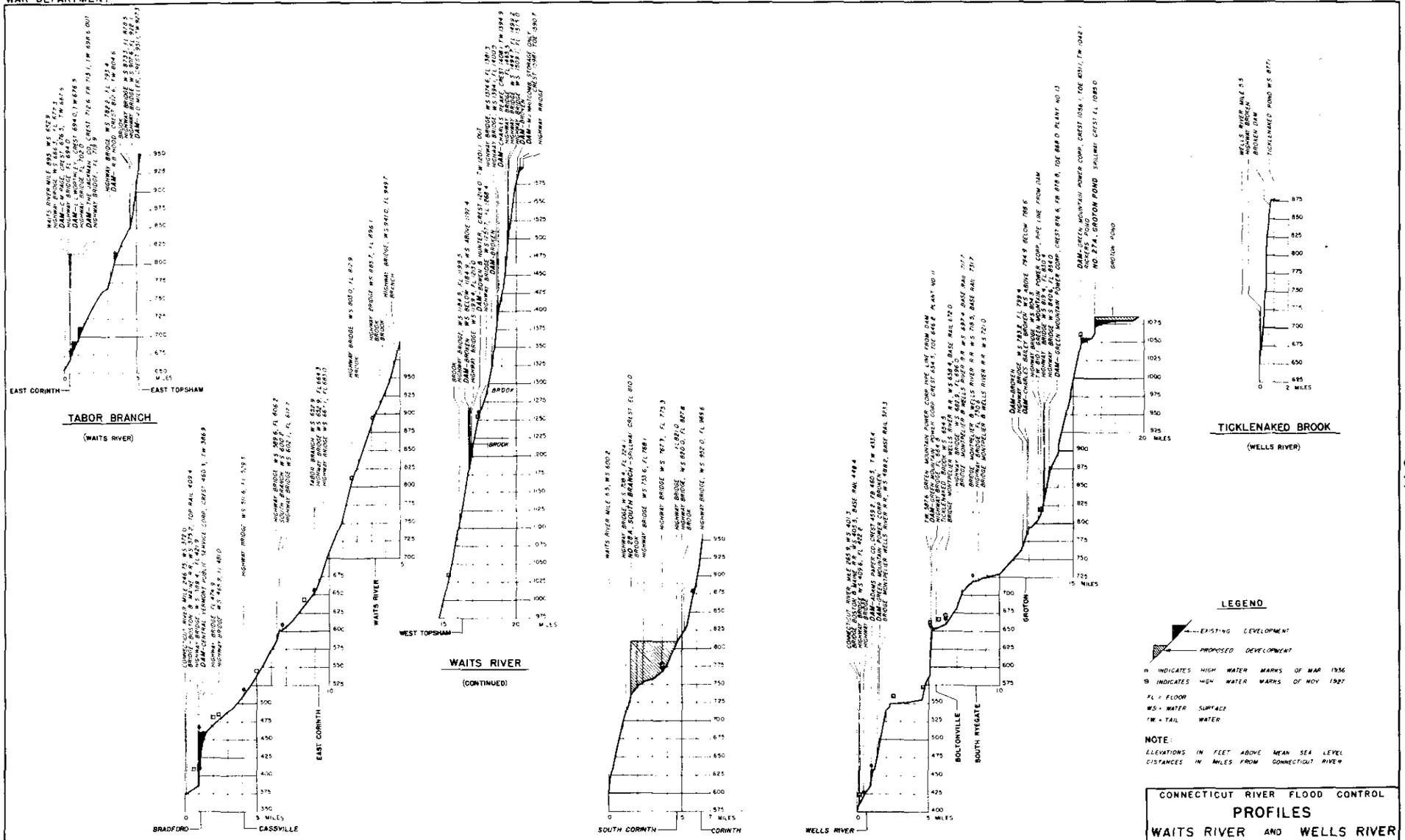
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE
5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

28A — DAM IDENTIFICATION NUMBER



CONNECTICUT RIVER FLOOD CONTROL

PROFILES

WAITS RIVER AND WELLS RIVER

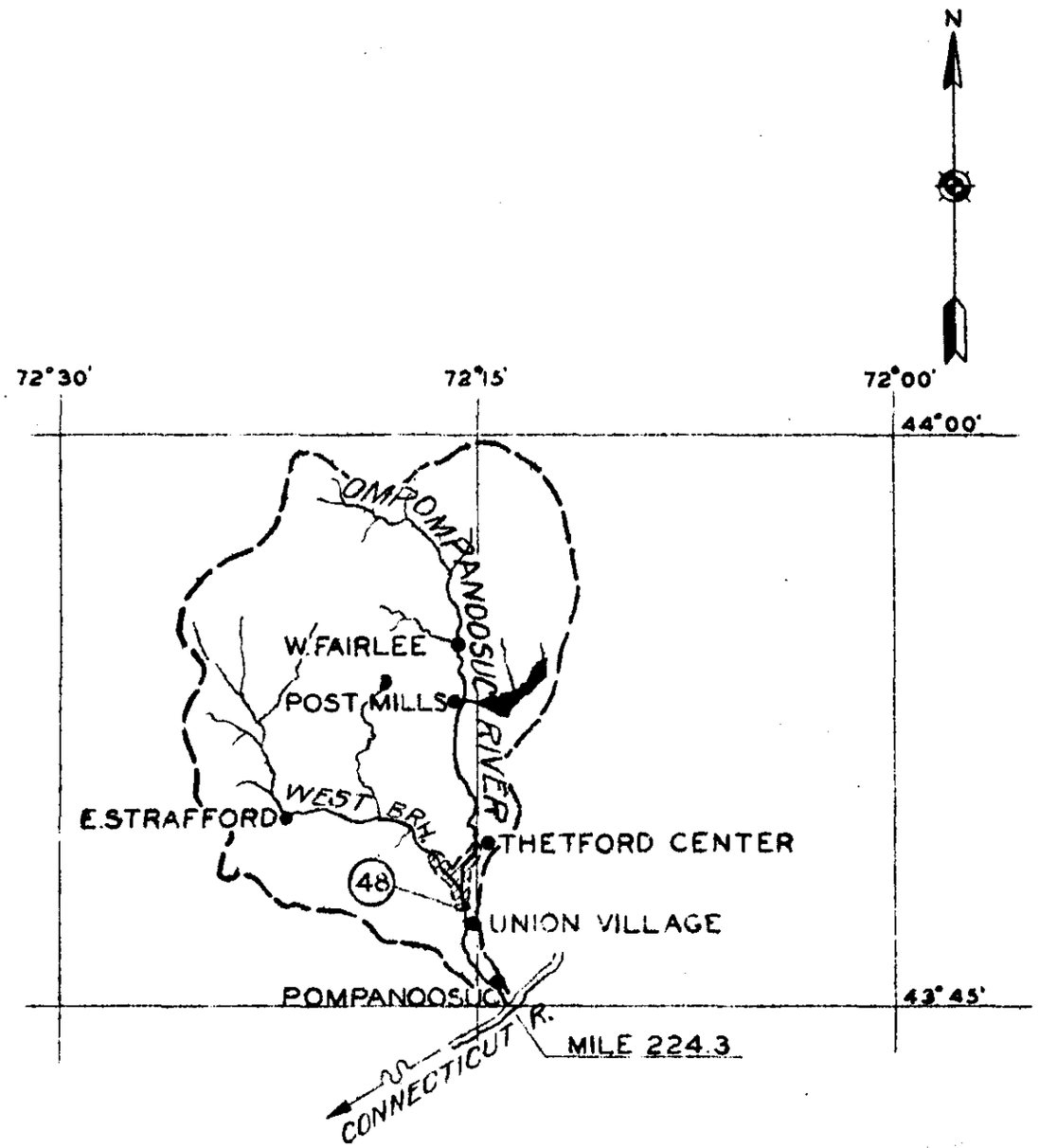
VERMONT

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.C. TRACED BY J.C.B.H.A.T. CHECKED BY J.B.A.	TO ACCOMPANY REPORT DATED MARCH 30, 1937	FILE NO. CT-3-1012



PROPOSED DEVELOPMENT
48 UNION VILLAGE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

OMPOMPANOOSUC RIVER, VT.

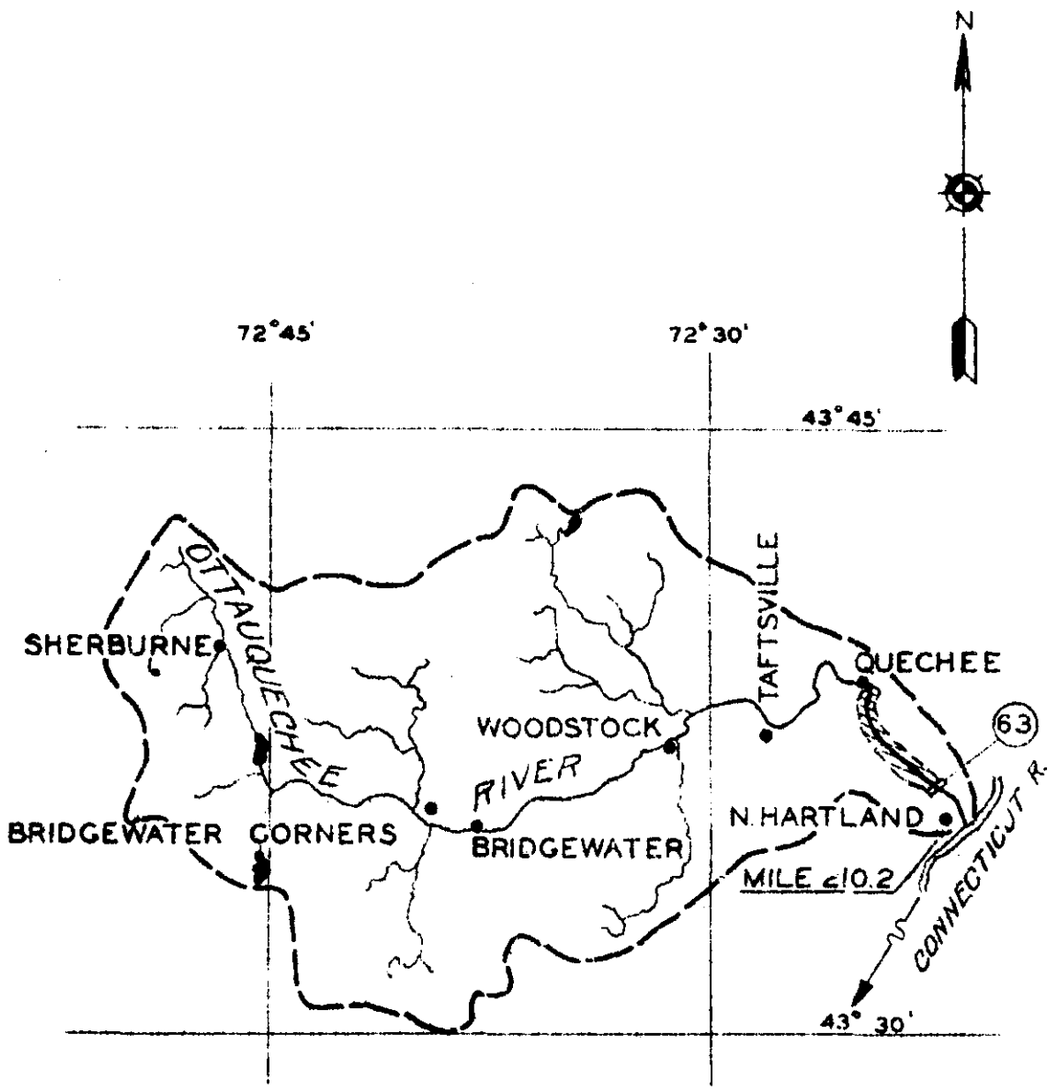
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.

LEGEND

PROPOSED DEVELOPMENT

48 — DAM IDENTIFICATION NUMBER

SCALE
5 0 5 10 MI.



PROPOSED DEVELOPMENT

63 NORTH HARTLAND

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

OTTAUQUECHEE RIVER, VT.

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

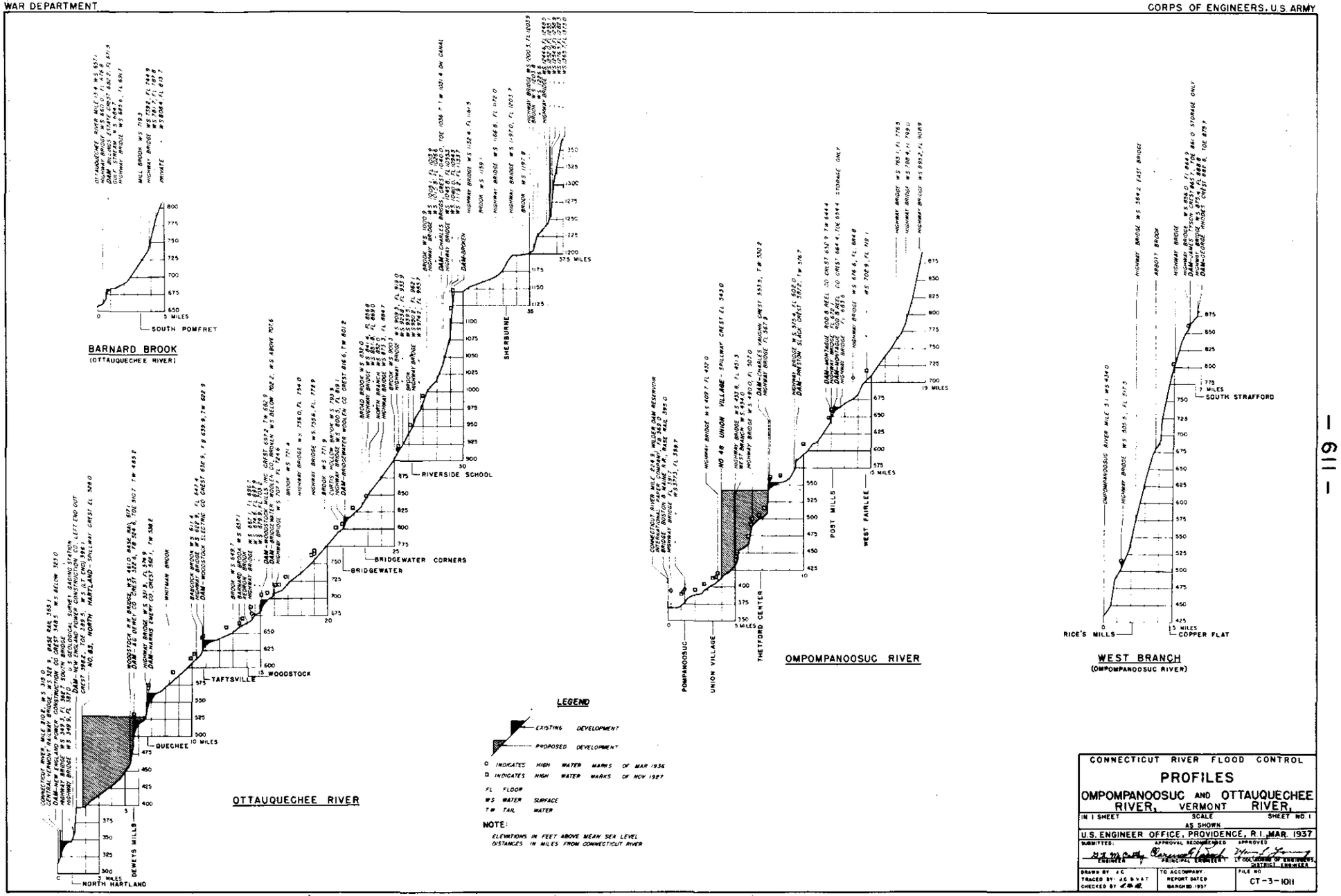
SCALE

5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

63 DAM IDENTIFICATION NUMBER



CONNECTICUT RIVER FLOOD CONTROL

PROFILES

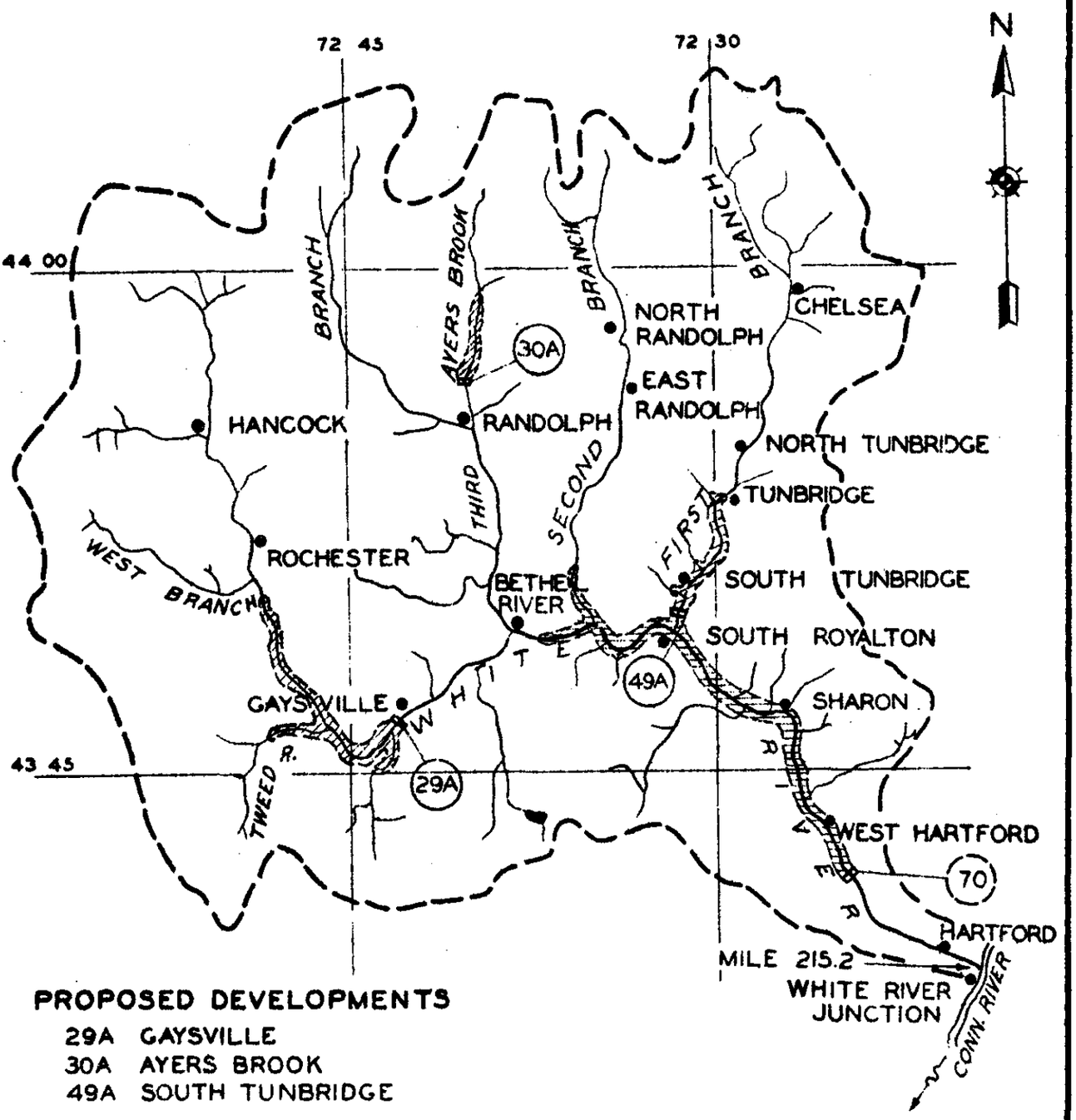
OMPOMPANOOSUC AND OTTAUQUECHEE RIVER, VERMONT RIVER,

SHEET	SCALE	SHEET NO.
IN 1 SHEET	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.C. TRACED BY J.C.D.V.A.T. CHECKED BY	TO ACCOMPANY REPORT DATED MARCH 1937	FILE NO CT-3-1011



PROPOSED DEVELOPMENTS

29A GAYSVILLE
30A AYERS BROOK
49A SOUTH TUNBRIDGE

ALTERNATE DEVELOPMENTS

70 CENTERVILLE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

WHITE RIVER, VERMONT

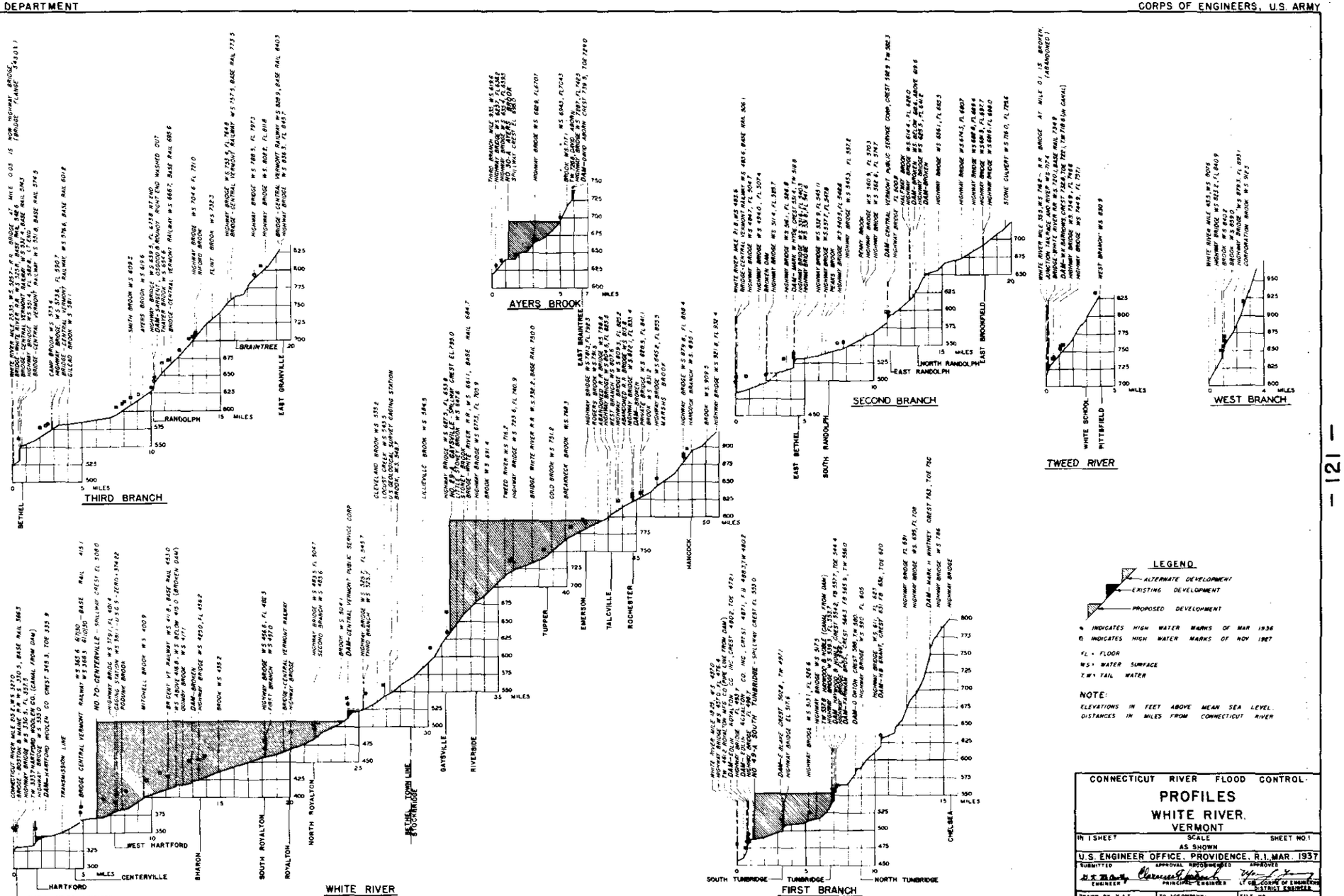
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.
SCALE

5 0 5 10MI.

LEGEND

PROPOSED DEVELOPMENT

29A DAM IDENTIFICATION NUMBER



CONNECTICUT RIVER FLOOD CONTROL

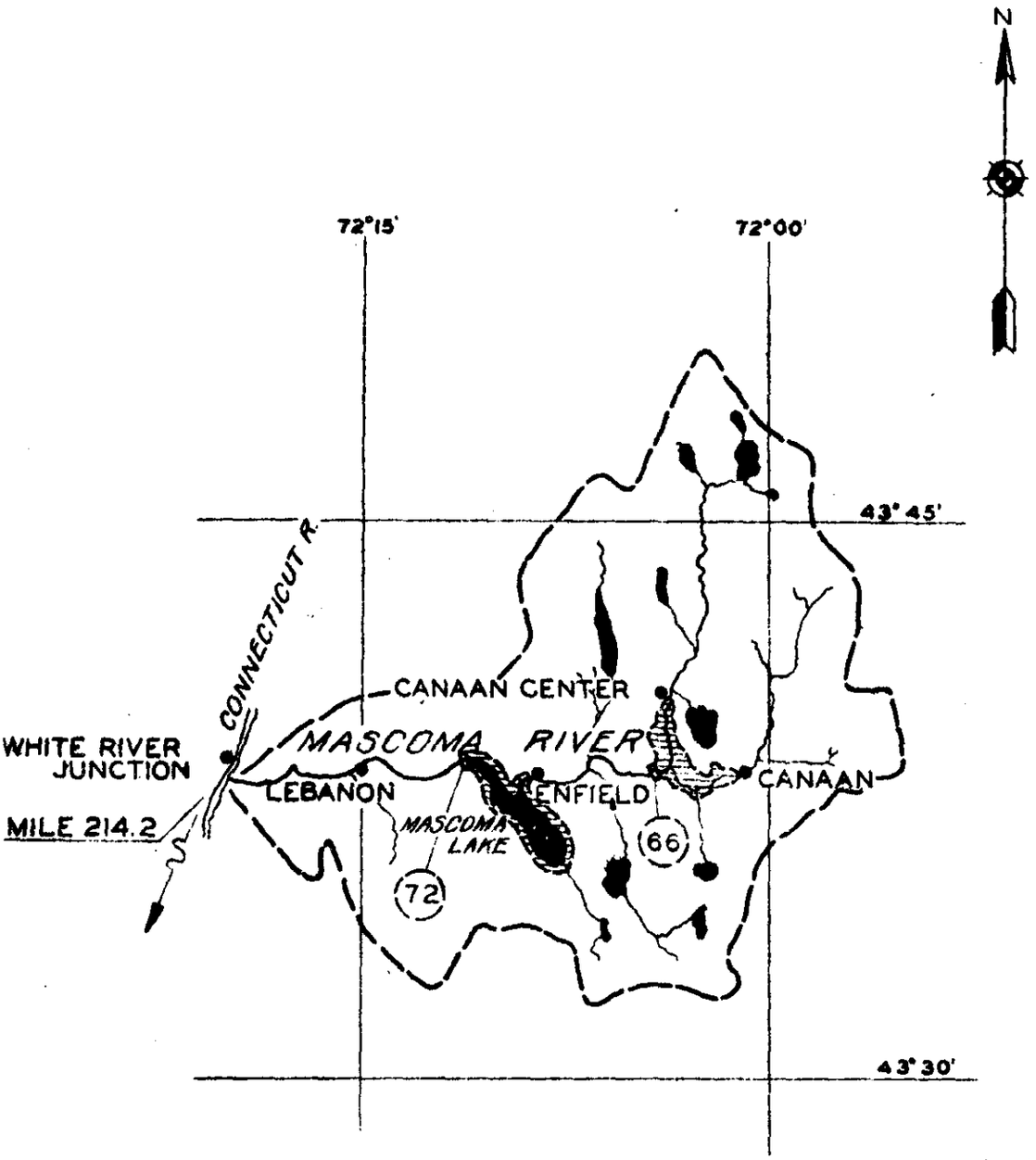
PROFILES
WHITE RIVER, VERMONT

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	LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY V.A.T. TRACED BY V.A.T. CHECKED BY	TO ACCOMPANY REPORT DATED MARCH 30, 1937	FILE NO. CT-3-1010



ALTERNATE DEVELOPMENT
72 MASCOMA LAKE
66 WEST CANAAN

LEGEND

PROPOSED DEVELOPMENT

(72) DAM IDENTIFICATION NUMBER

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

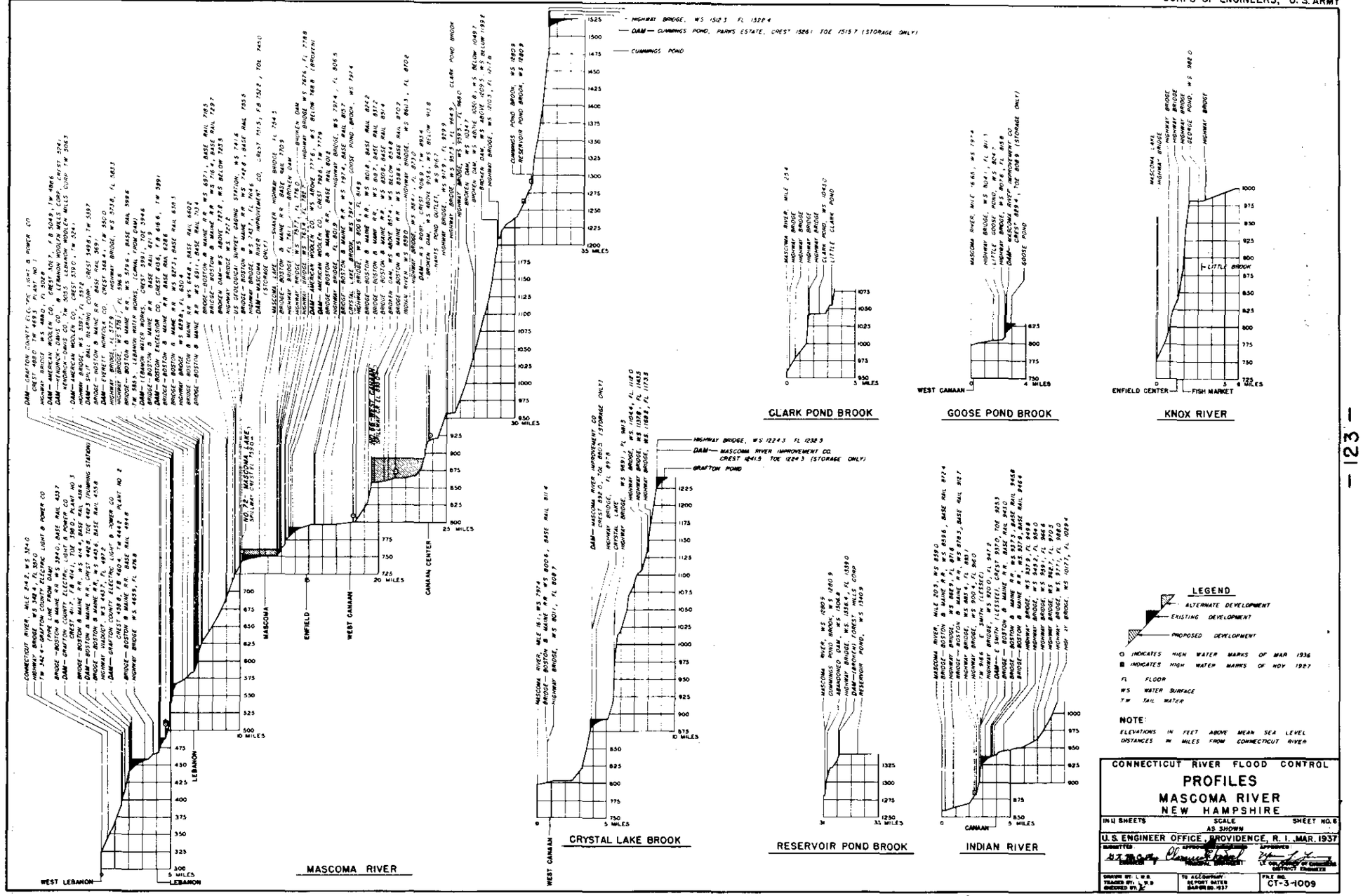
MASCOMA RIVER, N.H.

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

5 0 5 10 MI.



CONNECTICUT RIVER FLOOD CONTROL

PROFILES

MASCOMA RIVER

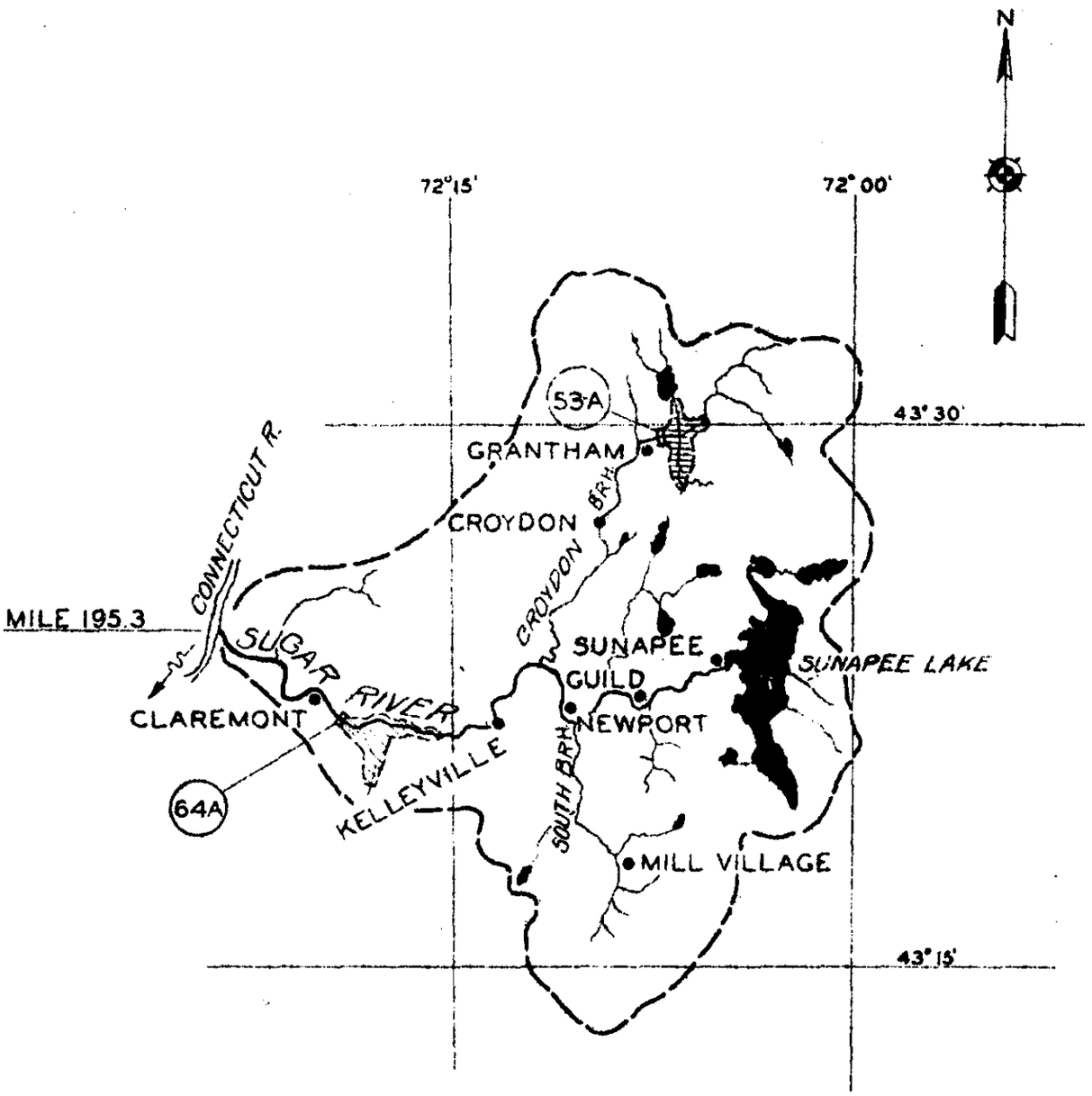
NEW HAMPSHIRE

IN 11 SHEETS | SCALE AS SHOWN | SHEET NO. 6

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

SUBMITTED | APPROVED | APPROVED

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

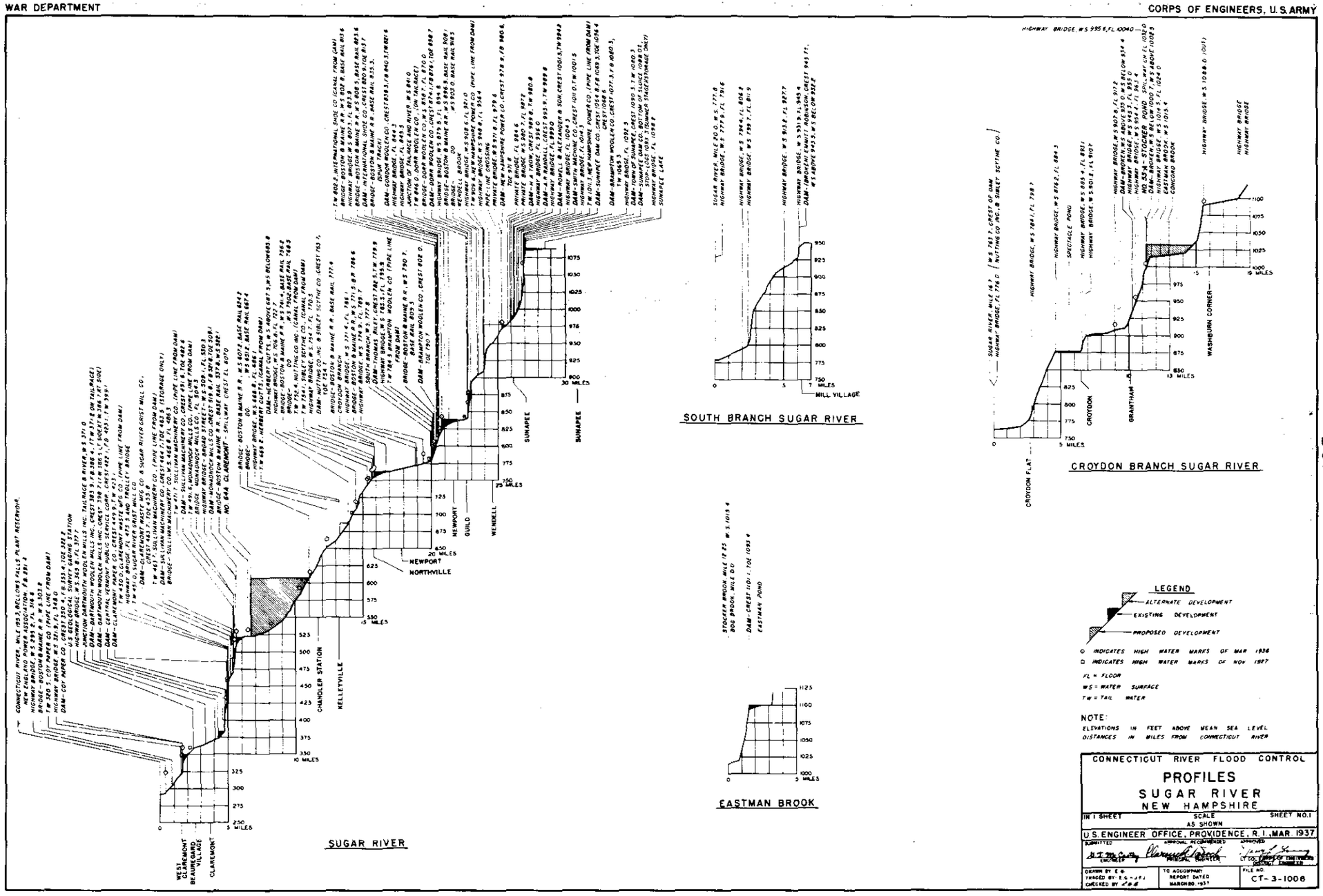
SUGAR RIVER, N.H.

U. S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

5 0 5 10 MI



CONNECTICUT RIVER FLOOD CONTROL

PROFILES

SUGAR RIVER

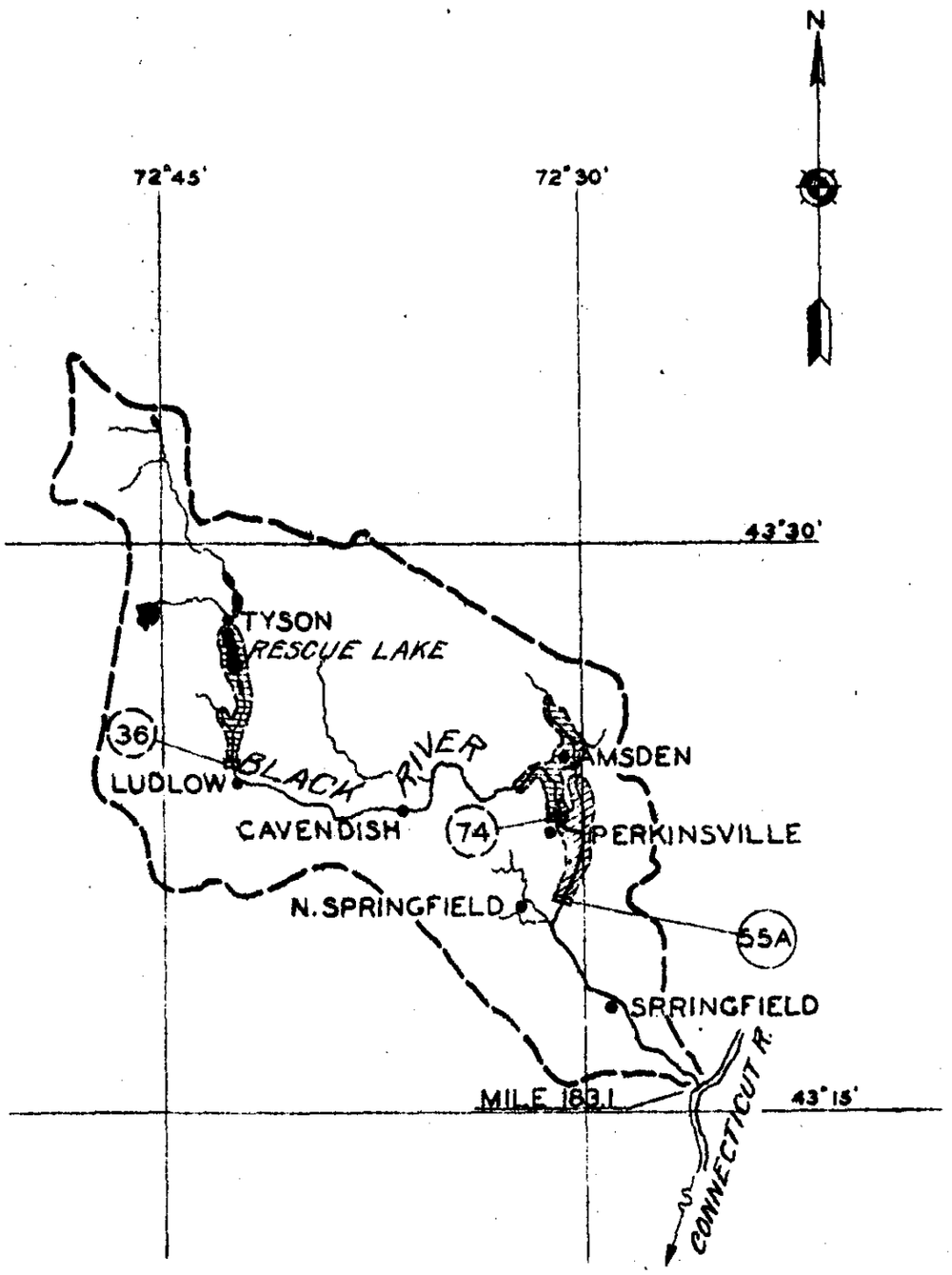
NEW HAMPSHIRE

IN 1 SHEET	SCALE AS SHOWN	SHEET NO.1

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

SUBMITTED	APPROVAL RECOMMENDED	APPROVED
H.T. McCarthy, ENGINEER	Clarence L. Adcock, MAJOR, CORPS OF ENGINEERS	Lt. Col. Corps of Engineers, DISTRICT ENGINEER

DRAWN BY E.G. TRACED BY E.G. - J.F.J. CHECKED BY J.F.J.	TO ACCOMPANY REPORT DATED MARCH 30 1937	FILE NO. CT-3-1006



PROPOSED DEVELOPMENT

55A N. SPRINGFIELD

ALTERNATE DEVELOPMENTS

36 LUDLOW
74 PERKINSVILLE

LEGEND

PROPOSED DEVELOPMENT

55A — DAM IDENTIFICATION NUMBER

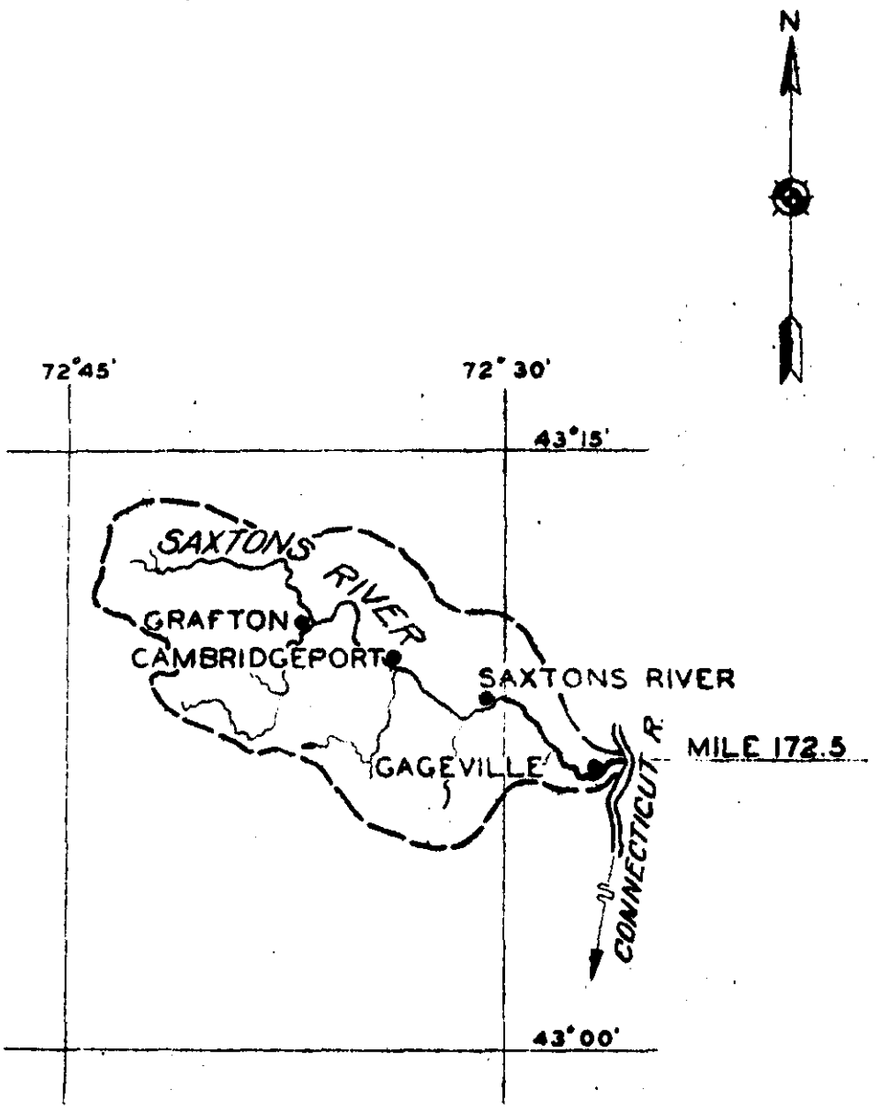
CONNECTICUT RIVER FLOOD CONTROL

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

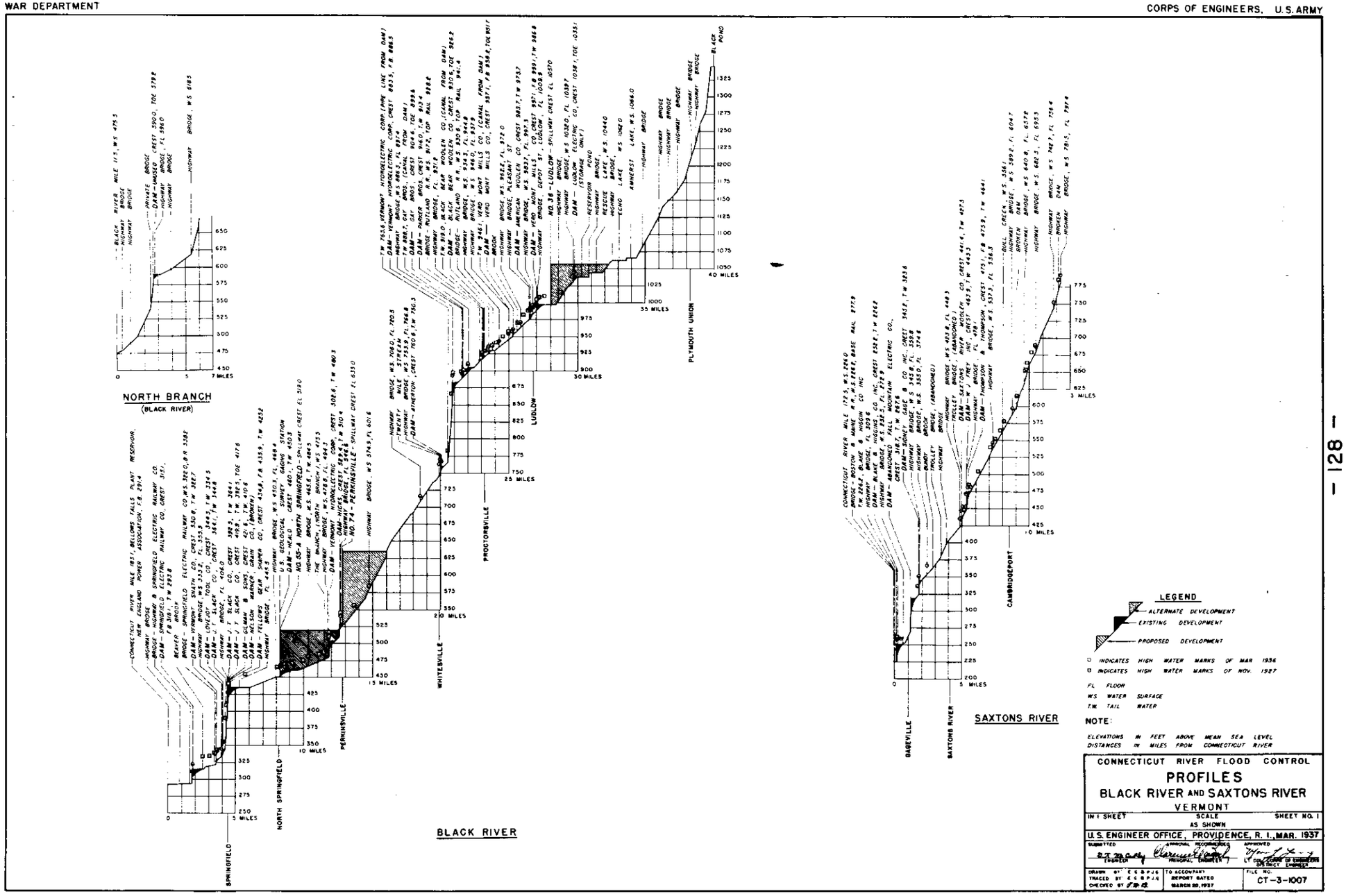
SAXTONS RIVER, VERMONT

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

5 0 5 10 MI.



CONNECTICUT RIVER FLOOD CONTROL

PROFILES

BLACK RIVER AND SAXTONS RIVER

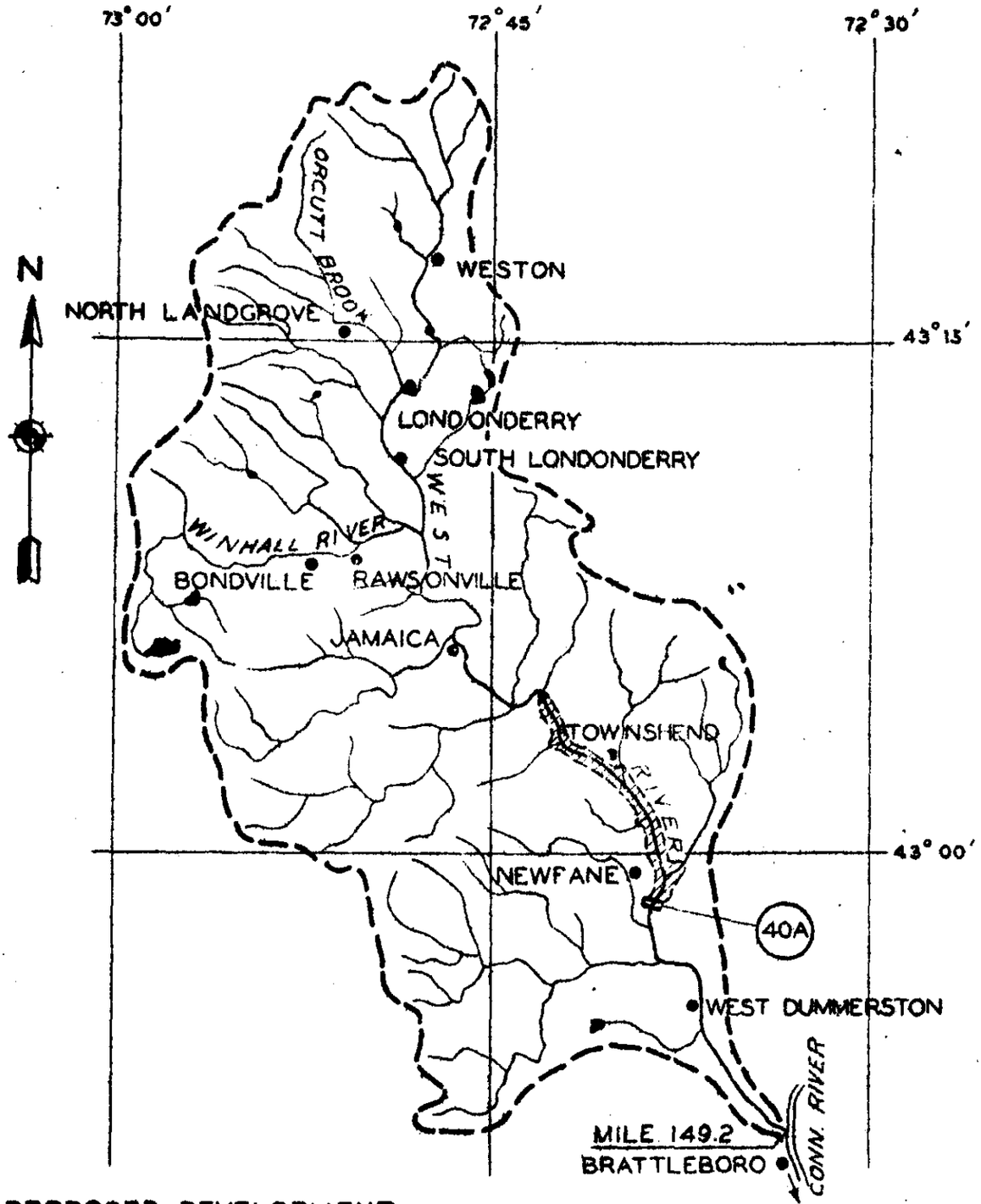
VERMONT

IN 1 SHEET	SCALE AS SHOWN	SHEET NO. 1

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

SUBMITTED	PERSONAL RECOMMENDATION	APPROVED
ENGINEER	PRINCIPAL ENGINEER	LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY E.G.B.P.J.G. TRACED BY E.G.B.P.J.G. CHECKED BY	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-3-1007



PROPOSED DEVELOPMENT
40A NEWFANE

CONNECTICUT RIVER FLOOD CONTROL

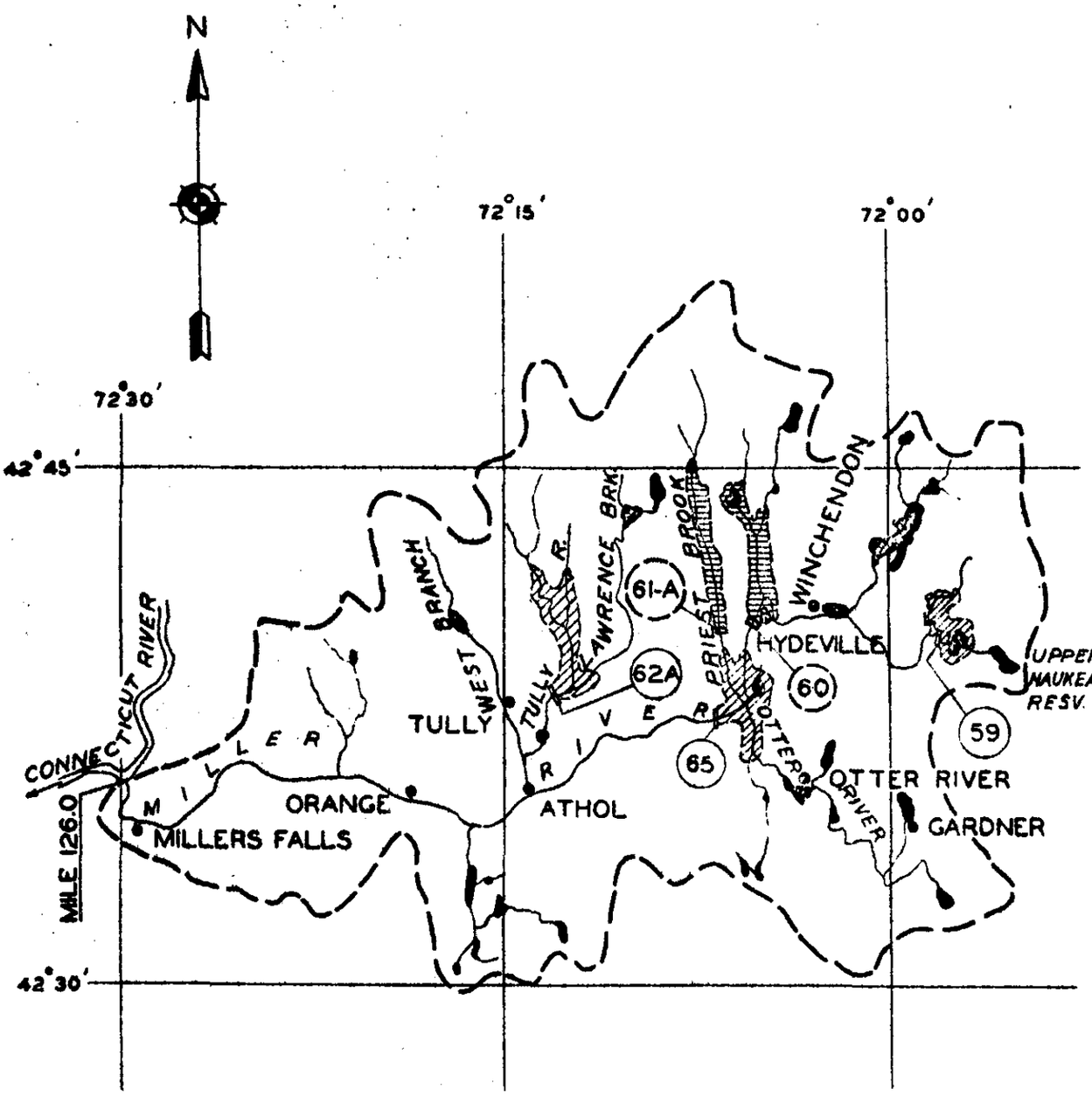
MAP OF WATERSHED
WEST RIVER, VERMONT

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

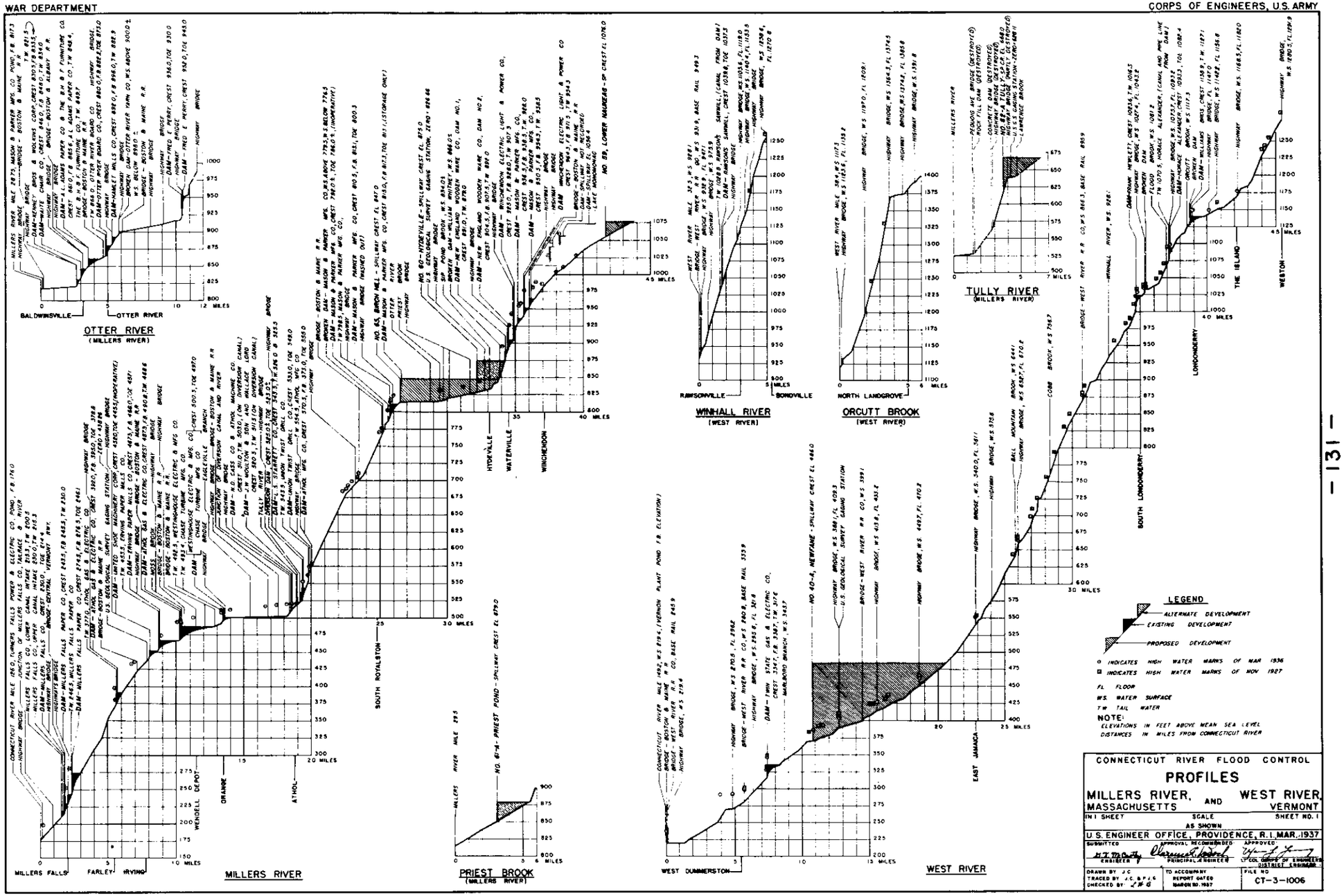
CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

MILLERS RIVER, MASS.

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

SCALE
5 0 5 10 MI.



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

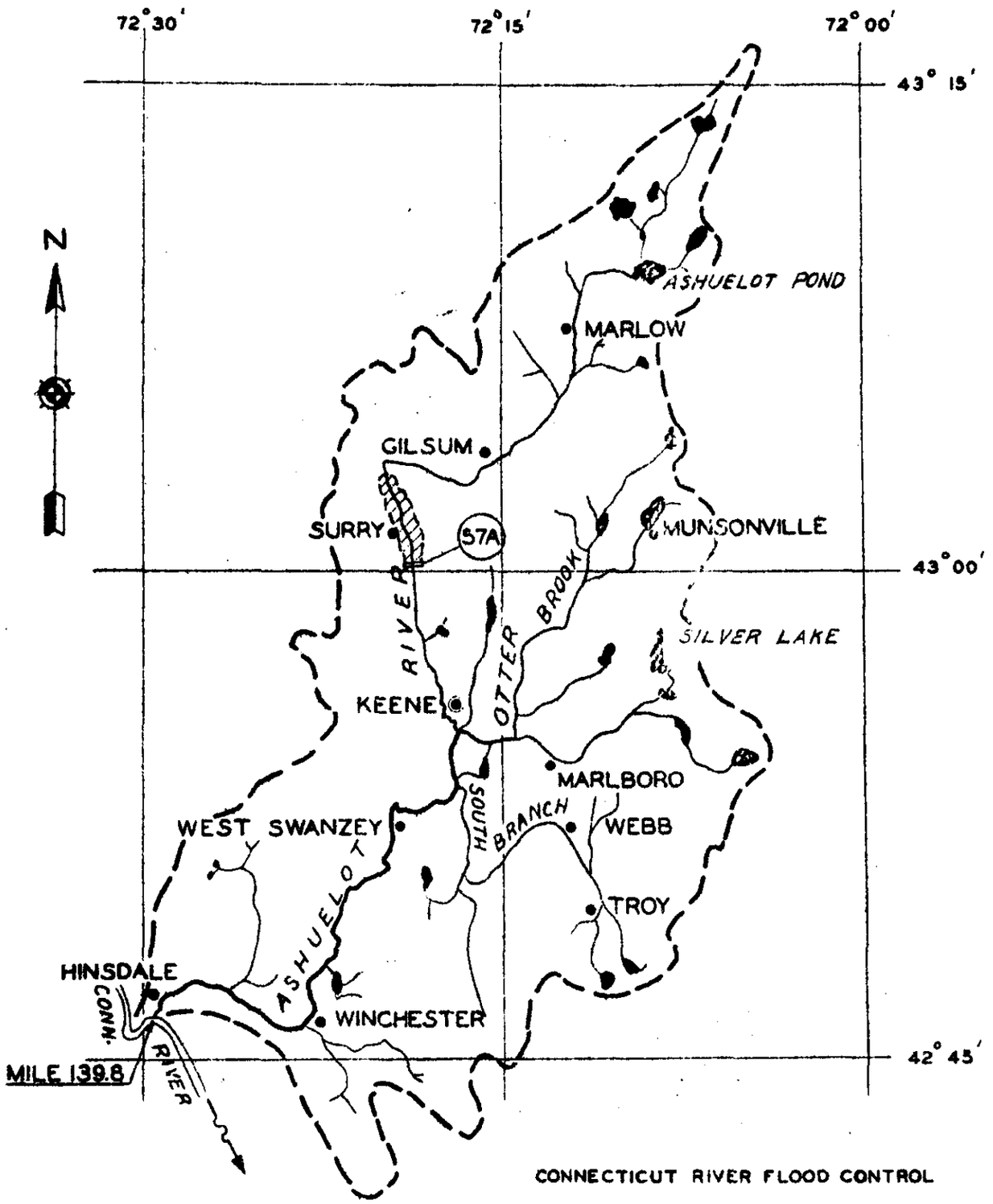
SUBMITTED: A. T. Moody, ENGINEER
APPROVAL RECOMMENDED: Clarence [illegible], PRINCIPAL ASSISTANT ENGINEER
APPROVED: [illegible], LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY J.C.
TRACED BY J.C. & P.J.G.
CHECKED BY J.M.G.

TO ACCOMPANY REPORT DATED MARCH 30, 1937

FILE NO. CT-3-1006

SEC. 7 - PLATE NO. 189



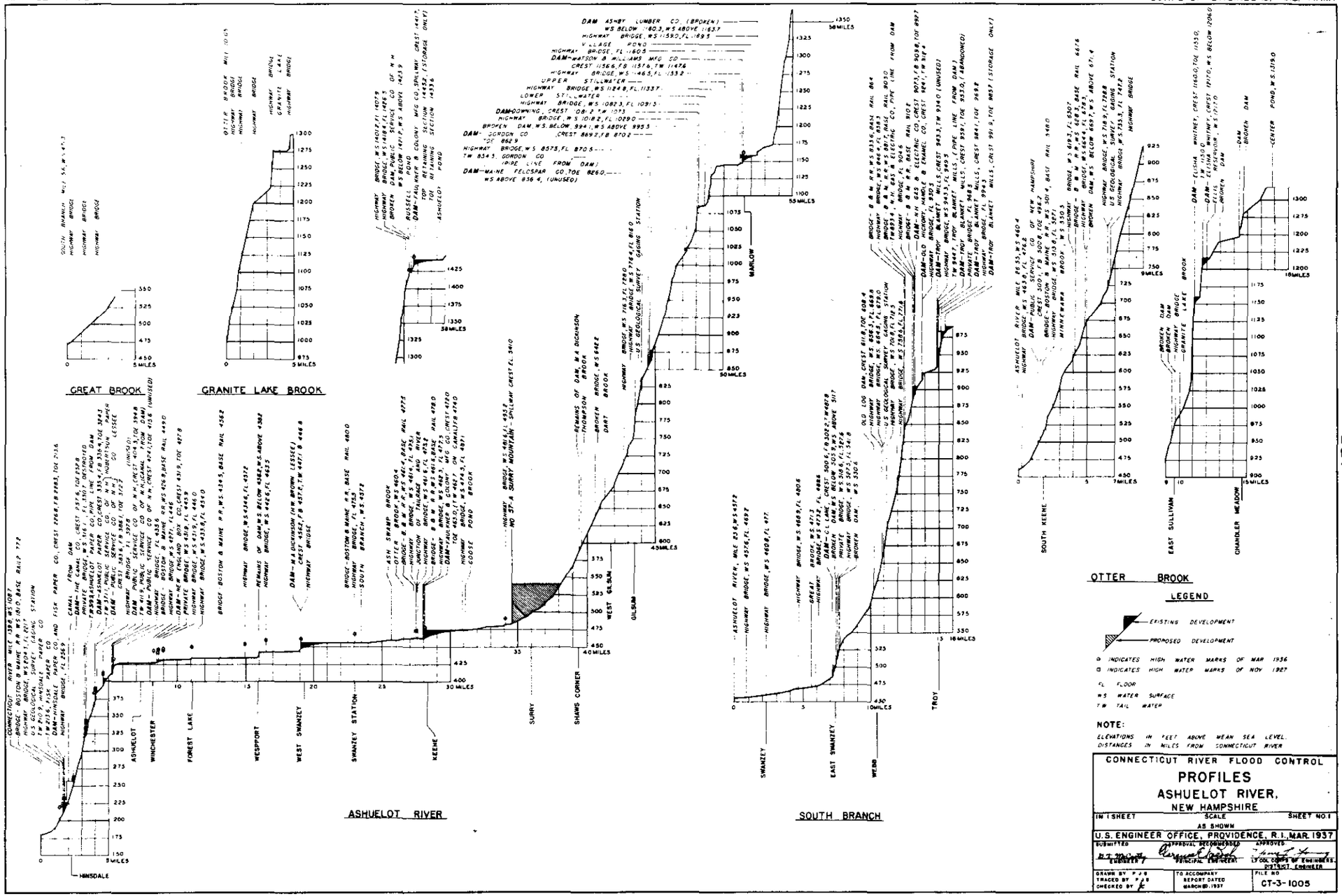
PROPOSED DEVELOPMENT
57A SURRY MOUNTAIN

LEGEND
PROPOSED DEVELOPMENT
57A DAM IDENTIFICATION NUMBER

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED
ASHUELOT RIVER, N.H.

U. S. ENGINEER OFFICE
PROVIDENCE, R. I.
SCALE
5 0 5 10MI.



CONNECTICUT RIVER FLOOD CONTROL

PROFILES

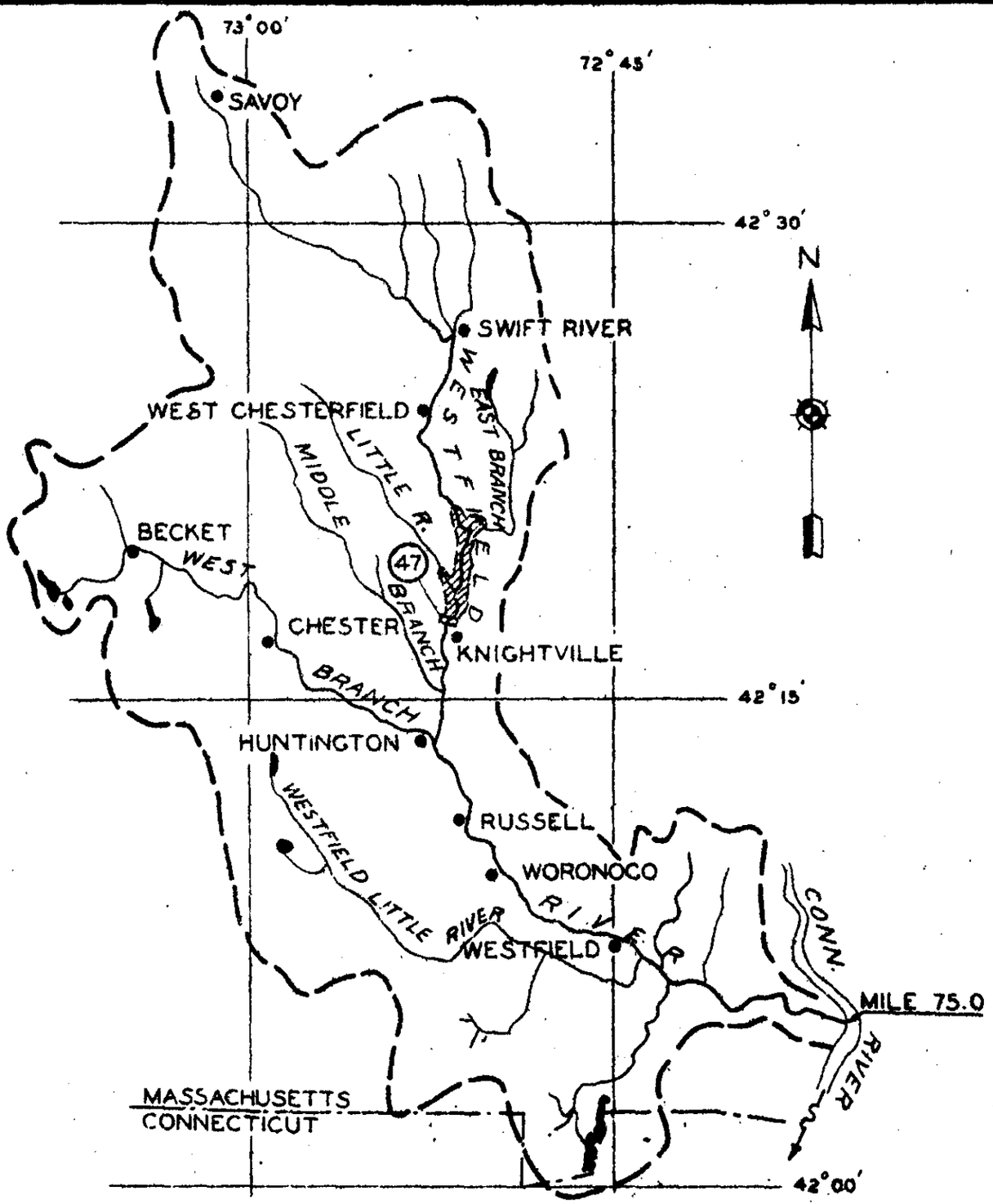
ASHUELOT RIVER, NEW HAMPSHIRE

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	1 DIV. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY P.J.B	TO ACCOMPANY REPORT DATED MARCH 1937	FILE NO. CT-3-1005
TRACED BY P.J.B		
CHECKED BY		



PROPOSED DEVELOPMENT
47 KNIGHTVILLE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

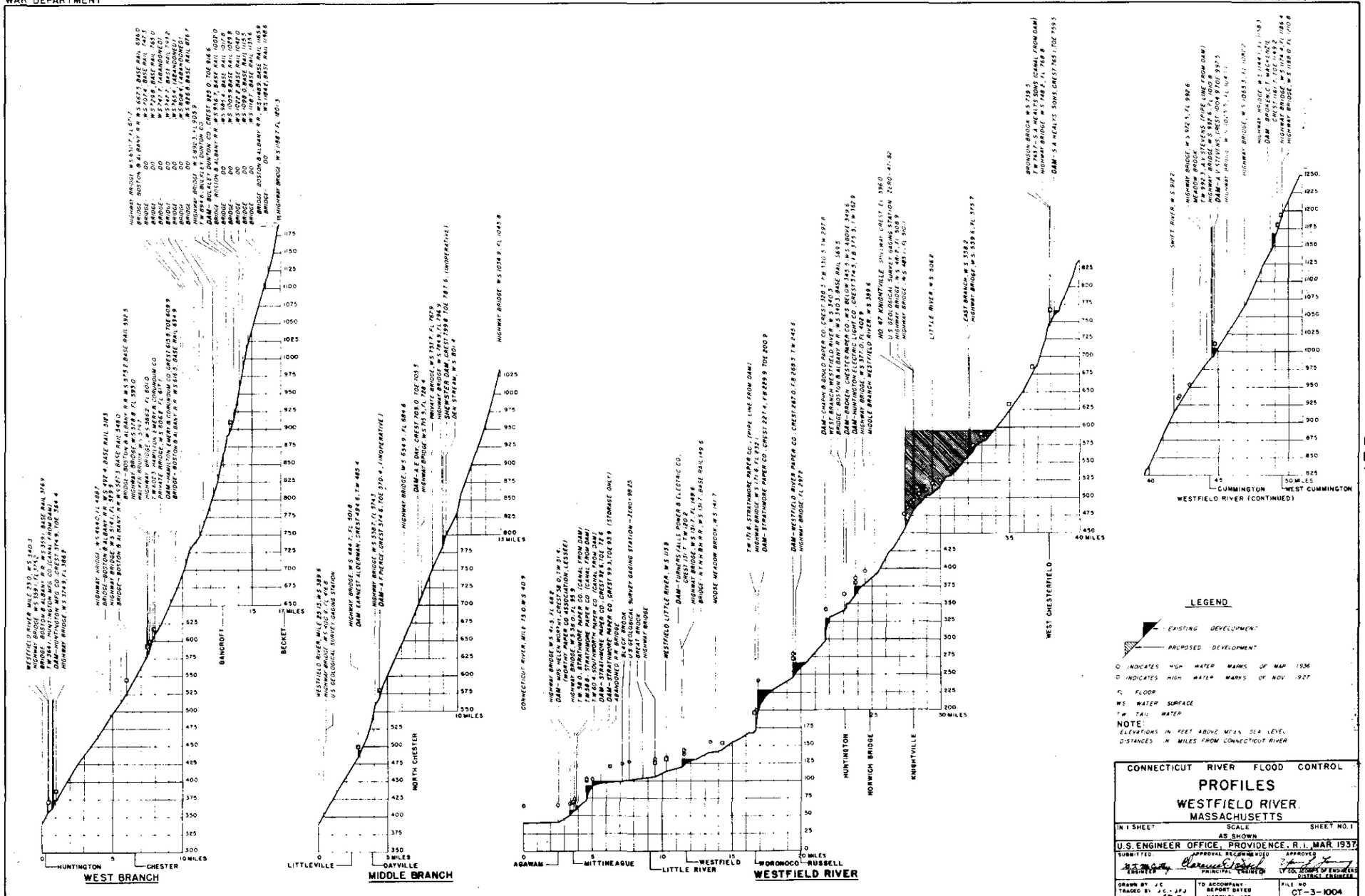
WESTFIELD RIVER, MASS.

U. S. ENGINEER OFFICE
PROVIDENCE, R. I.
SCALE
5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

(47) DAM IDENTIFICATION NUMBER



CONNECTICUT RIVER FLOOD CONTROL

PROFILES

WESTFIELD RIVER.
MASSACHUSETTS

IN 1 SHEET	SCALE AS SHOWN	SHEET NO. 1

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

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

DRAWN BY J.C. TRACED BY J.C. - J.F.J. CHECKED BY	TO ACCOMPANY REPORT DATED MARCH 30, 1937	FILE NO. CT-3-1004