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

TABLE OF CONTENTS

Subject	Plate Number	Page Number
DAMS AND RESERVOIRS		
Connecticut River Watershed showing Proposed Flood Control Reservoirs and Dikes	I	1
General Profiles - Connecticut River and Tributaries	II	2
Connecticut River Watershed showing reservoirs studied for Flood Control	III	3
East Haven - Reservoir Map	55	4
East Haven - General Plan	56	5
East Haven - Geology	57	6
Lyndon Center - Reservoir Map	58	7
Lyndon Center - General Plan	59	8
Lyndon Center - Geology	60	9
Victory - Reservoir Map	61	10
Victory - General Plan	62	11
Victory - Geology	63	12
Harvey Lake - Reservoir Map	64	13
Harvey Lake - General Plan	65	14
Harvey Lake - Geology	66	15
Bethlehem Junction - Reservoir Map	67	16
Bethlehem Junction - General Plan	68	17
Bethlehem Junction - Geology	69	18
Gale River - Reservoir Map	70	19
Gale River - General Plan	71	20
Gale River - Geology	72	21
Groton Pond - Reservoir Map	73	22
Groton Pond - General Plan	74	23
Groton Pond - Geology	75	24
South Branch - Reservoir Map	76	25
South Branch - General Plan	77	26
South Branch - Geology	78	27
Union Village - Reservoir Map	79	28
Union Village - General Plan	80	29
Union Village - Geology	81	30
Gaysville - Reservoir Map	82	31
Gaysville - General Plan	83	32
Gaysville - Geology	84	33
Ayers Brook - Reservoir Map	85	34
Ayers Brook - General Plan	86	35
Ayers Brook - Geology	87	36
South Tunbridge - Reservoir Map	88	37
South Tunbridge - General Plan	89	38
South Tunbridge - Geology	90	39
North Hartland - Reservoir Map	91	40
North Hartland - General Plan	92	41
North Hartland - Geology	93	42
Stocker Pond - Reservoir Map	94	43
Stocker Pond - General Plan	95	44
Stocker Pond - Geology	96	45

TABLE OF CONTENTS (Cont'd)

Subject	Plate Number	Page Number
Dams and Reservoirs (Continued)		
Claremont - Reservoir Map	97	46
Claremont - General Plan	98	47
Claremont - Geology	99	48
Ludlow - Reservoir Map	100	49
Ludlow - General Plan	101	50
Ludlow - Geology	102	51
North Springfield - Reservoir Map	103	52
North Springfield - General Plan	104	53
North Springfield - Geology	105	54
Newfane - Reservoir Map	106	55
Newfane - General Plan	107	56
Newfane - Geology	108	57
Surry Mountain - Reservoir Map	109	58
Surry Mountain - General Plan	110	59
Surry Mountain - Geology	111	60
Lower Naukeag - Reservoir Map	112	61
Lower Naukeag - General Plan	113	62
Lower Naukeag - Geology	114	63
Hydeville - Reservoir Map	115	64
Hydeville - General Plan	116	65
Hydeville - Geology	117	66
Priest Pond - Reservoir Map	118	67
Priest Pond - General Plan	119	68
Priest Pond - Geology	120	69
Birch Hill - Reservoir Map	121	70
Birch Hill - General Plan	122	71
Birch Hill - Geology	123	72
Tully - Reservoir Map	124	73
Tully - General Plan	125	74
Tully - Geology	126	75
Knightville - Reservoir Map	127	76
Knightville - General Plan	128	77
Knightville - Geology	129	78
West Canaan - Reservoir Map	130	79
West Canaan - General Plan	131	80
Bath - Reservoir Map	132	81
Bath - General Plan	133	82
Centerville - Reservoir Map	134	83
Centerville - General Plan	135	84
Mascoma Lake - Reservoir Map	136	85
Mascoma Lake - General Plan	137	86
Perkinsville - Reservoir Map	138	87
Perkinsville - General Plan	139	88

TABLE OF CONTENTS (Cont'd)

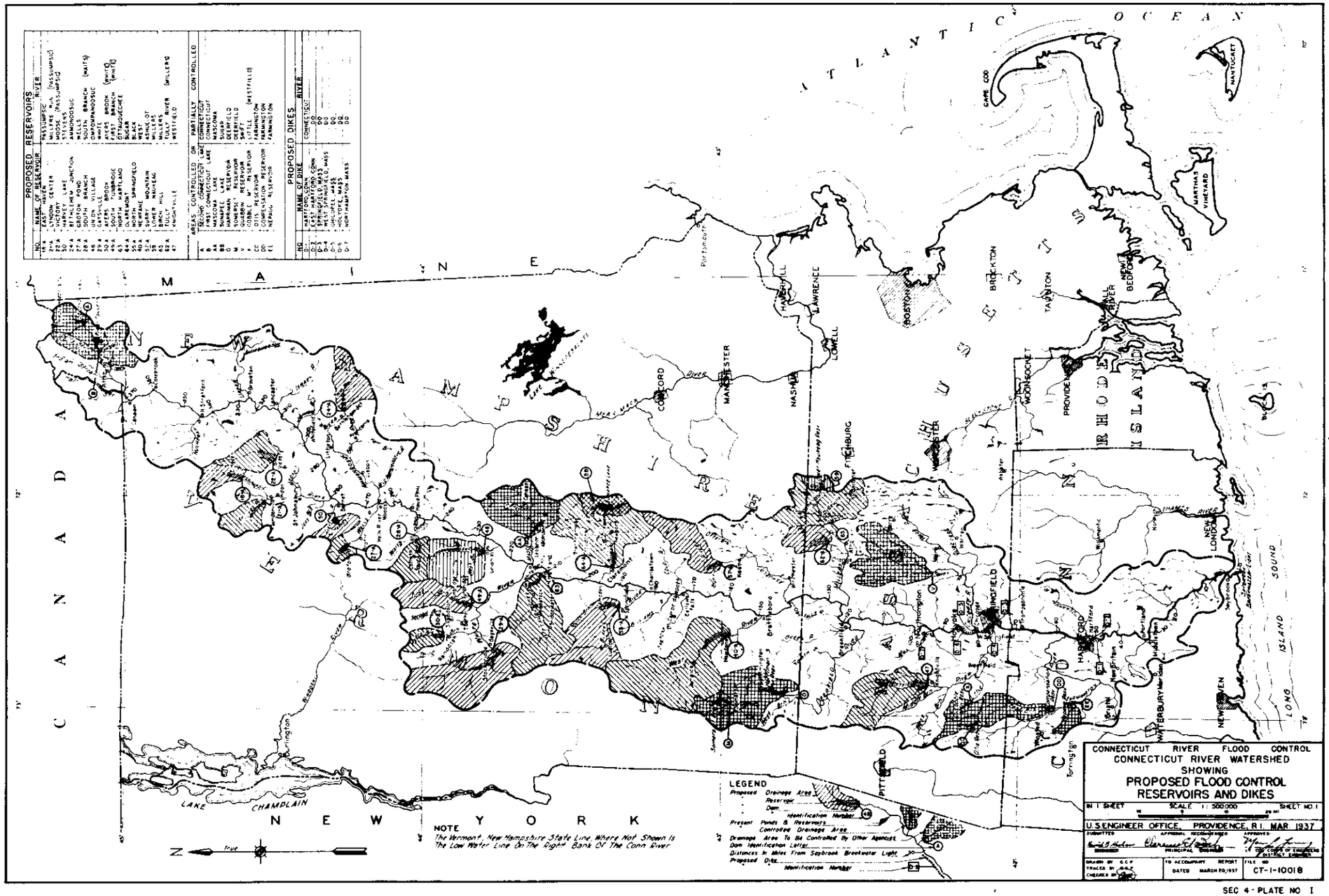
Subject	Plate Number	Page Number
DIKES		
Dike Location Map and River Profile	140	89
Hartford - General Plan	141	90
Hartford - Profile and Sections	142	91
Hartford - Profile and Sections	143	92
Hartford Park River - Plan and Sections	144	93
East Hartford - General Plan	145	94
East Hartford - Profile and Details	146	95
Springfield - General Plan	147	96
Springfield - Profile and Details	148	97
West Springfield - General Plan	149	98
West Springfield - Profile and Details	150	99
Chicopee - General Plan	151	100
Chicopee - Profile and Details	152	101
Holyoke - General Plan	153	102
Holyoke - Profile and Details	154	103
Northampton - General Plan	155	104
Northampton - Profile and Details	156	105
PROFILES CONNECTICUT RIVER AND TRIBUTARIES		
Connecticut River Mile 0 to 170	164	106
Connecticut River Mile 170 to 300	165	107
Connecticut River Mile 300 to 395	166	108
Passumpsic River - Map of Watershed	167	109
Passumpsic River - Profile	168	110
Stevens River - Map of Watershed	169	111
Ammonoosuc River - Map of Watershed	170	112
Stevens and Ammonoosuc River - Profile	171	113
Wells River - Map of Watershed	172	114
Waits River - Map of Watershed	173	115
Wells and Waits River - Profile	174	116
Ompompanoosuc River - Map of Watershed	175	117
Ottauquechee River - Map of Watershed	176	118
Ompompanoosuc and Ottauquechee River - Profile	177	119
White River - Map of Watershed	178	120
White River - Profile	179	121
Mascoma River - Map of Watershed	180	122
Mascoma River - Profile	181	123
Sugar River - Map of Watershed	182	124
Sugar River - Profile	183	125
Black River - Map of Watershed	184	126
Saxtons River - Map of Watershed	185	127
Black and Saxtons River - Profile	186	128
West River - Map of Watershed	187	129
Millers River - Map of Watershed	188	130
West and Millers River - Profile	189	131
Ashuelot River - Map of Watershed	190	132
Ashuelot River - Profile	191	133
Westfield River - Map of Watershed	192	134
Westfield River - Profile	193	135

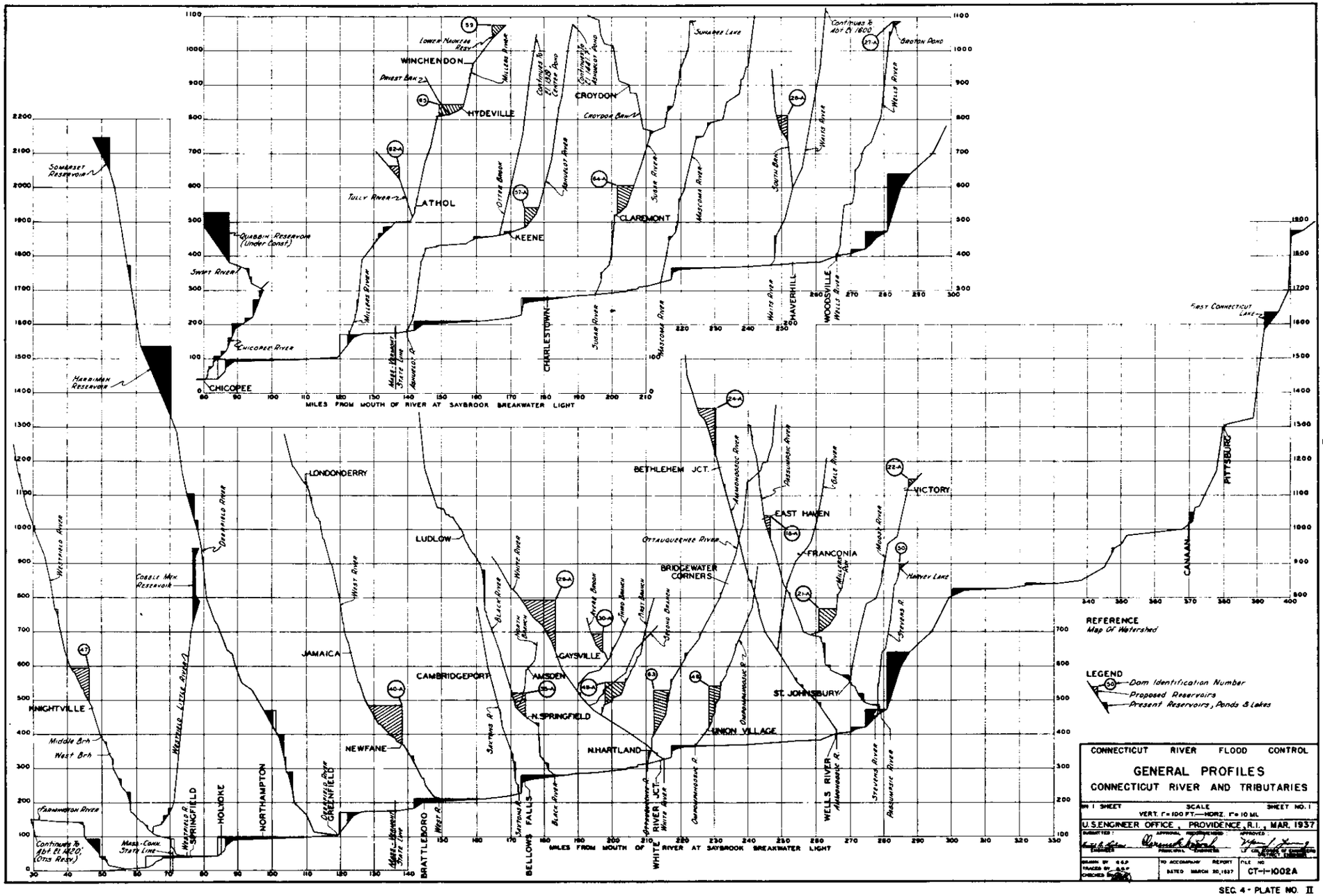
SECTION 4

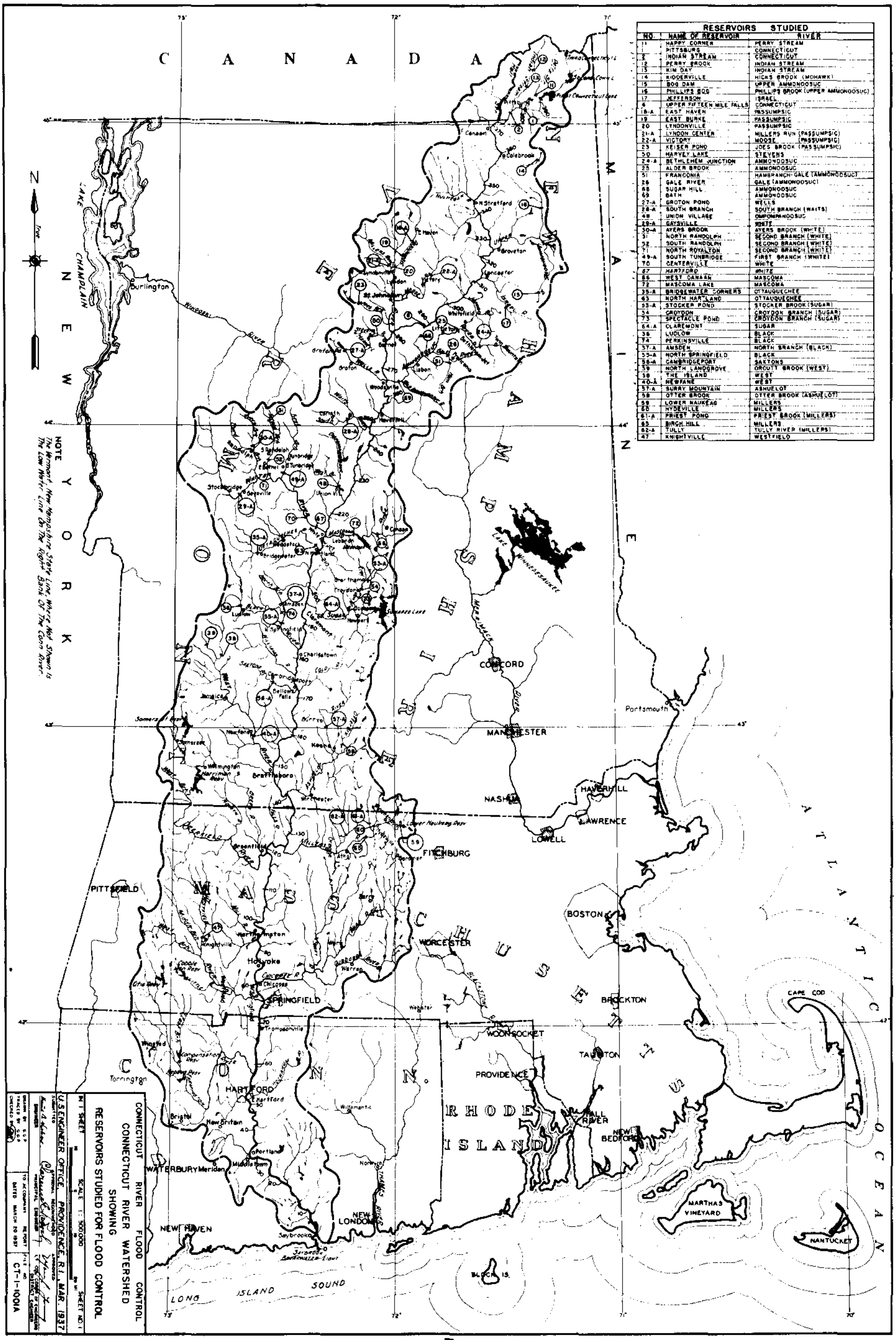
PLATE REFERENCE

MAPS AND PLANS

RESERVOIRS - DETAILS


PROPOSED RESERVOIRS
NO. NAME OF RESERVOIR RIVER
1A EAST BURKE PASSUMPSIC
2A LYNDON CENTER MILLERS RIV. (PASSUMPSIC)
3A VICTORY MOOSE (PASSUMPSIC)
5A WHITE RIVER WHITE
24A BETHLEHEM JUNCTION AMMONOOSUC
27A GROTON POND WELLS
28A SOUTH WALDEN SOUTH BRANCH (WATTS)
46A UNION VILLAGE OMPOMPANOOSUC
29A GASTONVILLE WHITE
30A ACORN BROOK ACORN BROOK (WHITE)
63A NORTH LUDLOW WEST BRANCH (WHITE)
64A NORTH HARTLAND OTTAUQUECHEE
65A CLAREMONT SUGAR
66A WEST SPRINGFIELD BLACK
40A NEWFANE WEST
41A SURRY MOUNTAIN ASHUELOT
52A LOWER NAUGATUCK WILLIAMS
53A BIRCH HILL MILLERS
62A FULLY FULLY RIVER (MILLERS)
67 AMHERSTVILLE WESTFIELD
AREAS CONTROLLED OR PARTIALLY CONTROLLED
NO. NAME OF RESERVOIR RIVER
7 SECOND CONNECTICUT LAKE CONNECTICUT
8 FIRST CONNECTICUT LAKE CONNECTICUT
8A MASCOMA LAKE MASCOMA
9 BALLARD LAKE DEERFIELD
10 HARRIMAN RESERVOIR DEERFIELD
11 SOMERSBY RESERVOIR DEERFIELD
12 SOUTH WILMINGTON DEERFIELD
13 CODRE MT. RESERVOIR LITTLE (WESTFIELD)
14 DITIS RESERVOIR FARMINGTON
20 COMPENSATION RESERVOIR FARMINGTON
21 NEPAUG RESERVOIR FARMINGTON
PROPOSED DIKES
NO. NAME OF DIKE RIVER
D-1 HARTFORD, CONN CONNECTICUT
D-2 EAST HARTFORD, CONN DO
D-3 WEST HARTFORD, CONN DO
D-4 WEST SPRINGFIELD, MASS DO
D-5 CHICOPEE, MASS DO
D-6 SOUTHWICK, MASS DO
D-7 NORTHAMPTON, MASS DO
ATLANTIC OCEAN
CANADA
MAINE
NEW HAMPSHIRE
VERMONT
MASSACHUSETTS
CONNECTICUT
RHODE ISLAND
NEW YORK
LAKE CHAMPLAIN
LONG ISLAND SOUND
CAPE COD
MARTHAS VINEYARD
NANTUCKET
BOSTON
BROCKTON
TAUNTON
FALL RIVER
NEW BEDFORD
PROVIDENCE
WOONSOCKET
LAWRENCE
LOWELL
HAVERHILL
NASHUA
MANCHESTER
CONCORD
FITCHBURG
WORCESTER
SPRINGFIELD
HARTFORD
NEW HAVEN
NEW LONDON
WATERBURY
PITTSFIELD
BURLINGTON
LEGEND
Proposed Drainage Area
Reservoir
Dam
Identification Number
Present Ponds & Reservoirs
Controlled Drainage Area
Drainage Area To Be Controlled By Other Agencies
Dam Identification Letter
Distances In Miles From Saybrook Breakwater Light
Proposed Dike
Identification Number
NOTE
The Vermont, New Hampshire State Line, Where Not Shown Is The Low Water Line On The Right Bank Of The Conn River
True
CONNECTICUT RIVER FLOOD CONTROL
CONNECTICUT RIVER WATERSHED
SHOWING
PROPOSED FLOOD CONTROL
RESERVOIRS AND DIKES
IN 1 SHEET
SCALE 1:500000
SHEET NO. 1
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR 1937
SUBMITTED
APPROVAL RECOMMENDED
APPROVED
PRINCIPAL ENGINEER
CHIEF OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY G.C.F.
TRACED BY J.A.Z.
CHECKED BY
TO ACCOMPANY REPORT
DATED MARCH 10, 1937
FILE NO. CT-1-10018


MILES FROM MOUTH OF RIVER AT SAYBROOK BREAKWATER LIGHT
CHICOPEE
CHARLESTOWN
KEENE
ATHOL
HYDEVILLE
WINCHENDON
CROYDON
CLAREMONT
HAVERHILL
WOODSVILLE
BROTON POND
FIRST CONNECTICUT LAKE
PITTSBURG
CANAAN
VICTORY
EAST HAVEN
FRANCONIA
BETHLEHEM JCT.
BRIDGEWATER CORNERS
ST. JOHNSBURY
UNION VILLAGE
WELLS RIVER
N. HARTLAND
WHITE RIVER JCT.
BELLOWS FALLS
BRATTLEBORO
GAYSVILLE
AMSDEN
N. SPRINGFIELD
CAMBRIDGEPORT
LUDLOW
LONDONDERRY
JAMAICA
NEWFANE
GREENFIELD
NORTHAMPTON
HOLYOKE
SPRINGFIELD
KNIGHTVILLE
Somerset Reservoir
Quabbin Reservoir (Under Const.)
Harriman Reservoir
Cobble Mtn. Reservoir
Harvey Lake
Mass.-Vermont State Line
Mass.-Conn. State Line
REFERENCE
Map Of Watershed
LEGEND
Dam Identification Number
Proposed Reservoirs
Present Reservoirs, Ponds & Lakes
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PROFILES
CONNECTICUT RIVER AND TRIBUTARIES
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
CT-1-1002A



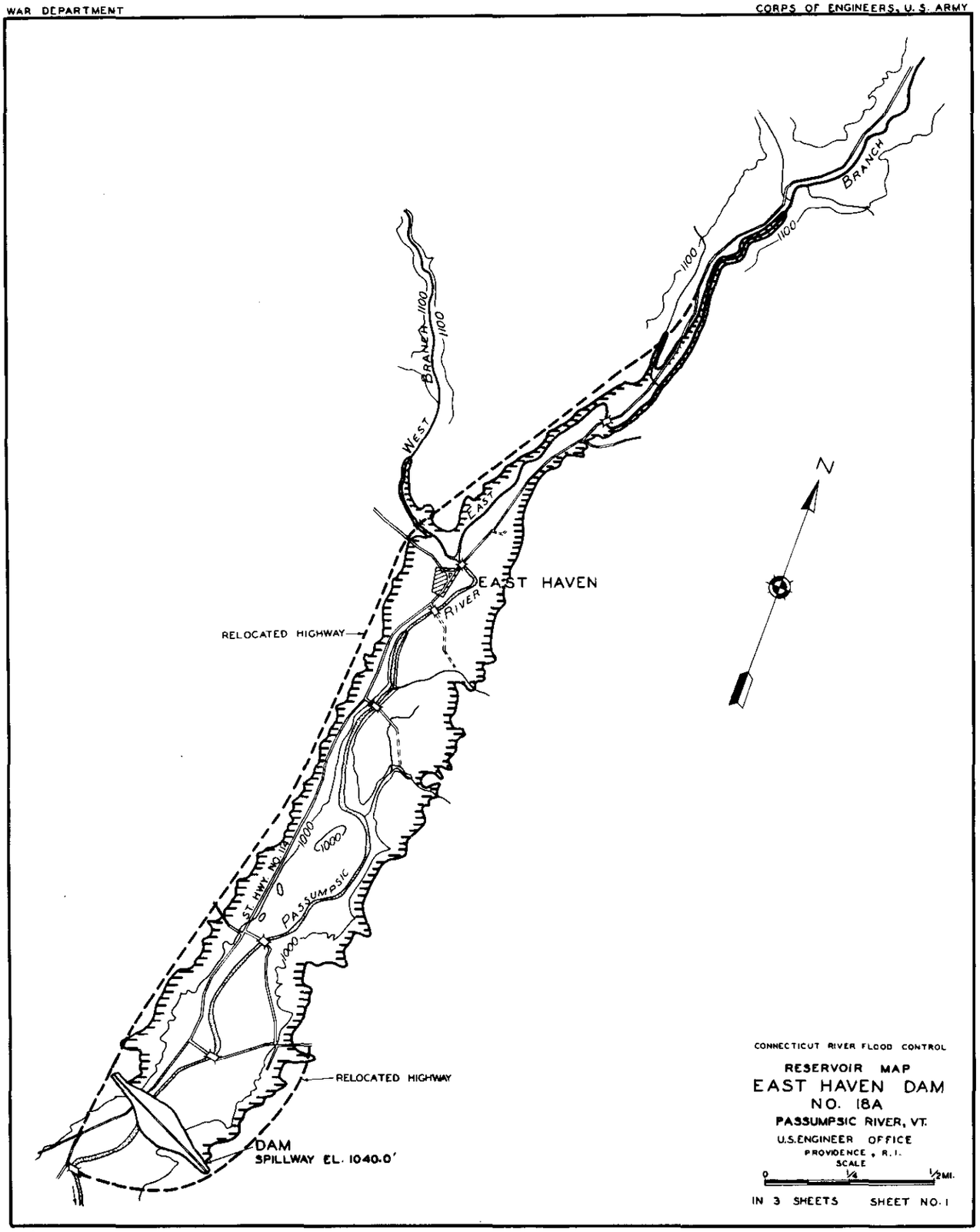
RESERVOIRS STUDIED		
NO.	NAME OF RESERVOIR	RIVER
11	HAPPY CORNER	PERRY STREAM
1	PITTSBURG	CONNECTICUT
2	INDIAN STREAM	CONNECTICUT
12	PERRY BROOK	INDIAN STREAM
13	KIM DAY	INDIAN STREAM
14	RIDDERVILLE	HICKS BROOK (MOHAWK)
15	BOG DAM	UPPER AMMONOOSUC
16	PHILLIPS BOG	PHILLIPS BROOK (UPPER AMMONOOSUC)
17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

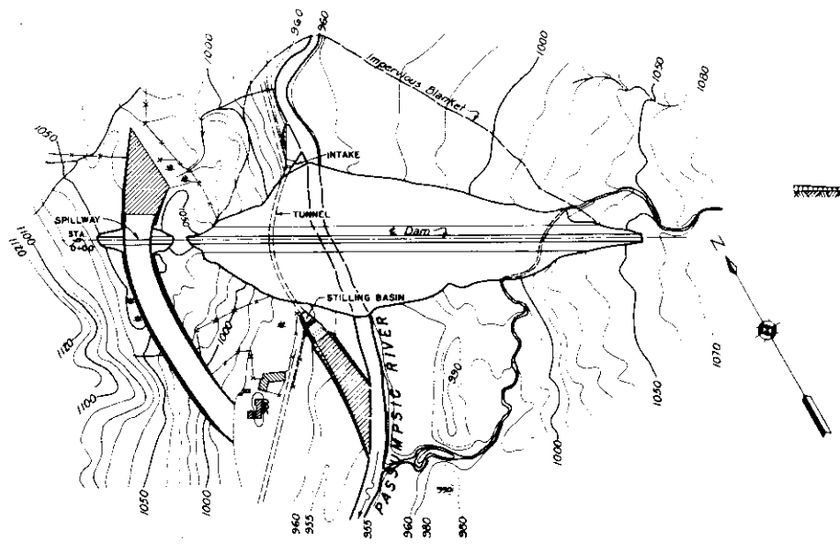
CONNECTICUT RIVER FLOOD CONTROL
CONNECTICUT RIVER WATERSHED
SHOWING
RESERVOIRS STUDIED FOR FLOOD CONTROL

IN 1 SHEET SCALE 1:500,000 SHEET NO. 1

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

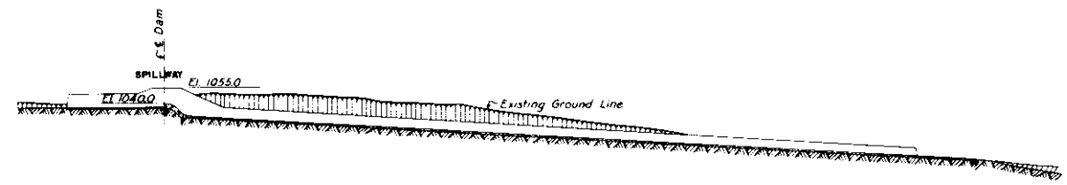
CT-1-100A


WEST BRANCH
EAST BRANCH
EAST HAVEN
RIVER
PASSUMPSIC
ST. HWY. NO. 14
RELOCATED HIGHWAY
RELOCATED HIGHWAY
DAM
SPILLWAY EL. 1040.0'
1100
1000
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



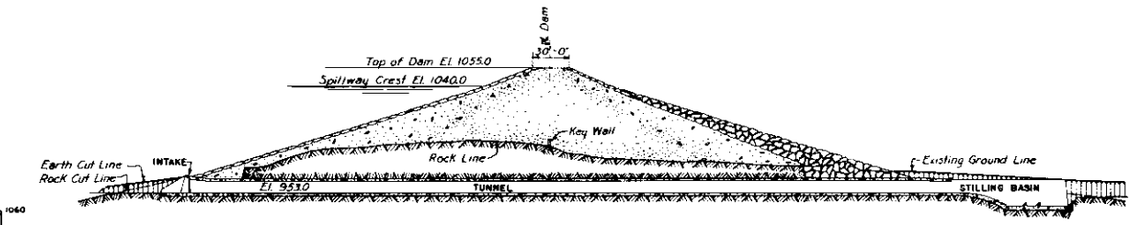
PLAN

SCALE



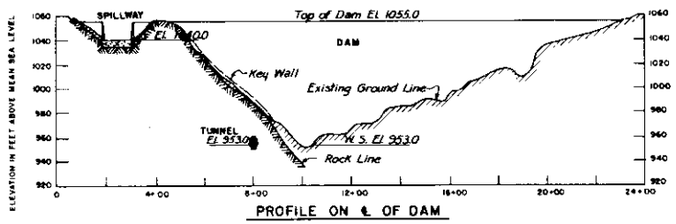
SECTION THROUGH SPILLWAY

SCALE

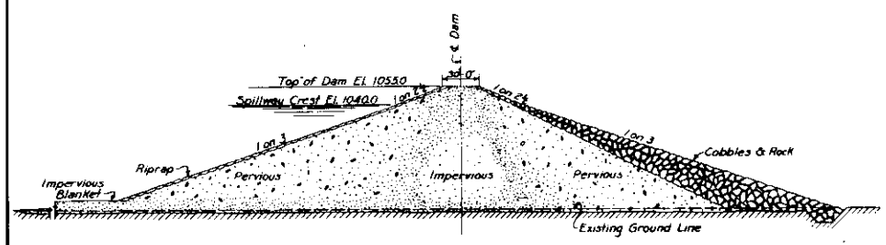


SECTION ON ℄ OF TUNNEL

SCALE

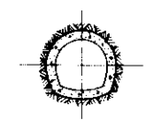


PROFILE ON ℄ OF DAM



TYPICAL SECTION

SCALE



SECTION THROUGH TUNNEL

SCALE

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

EAST HAVEN DAM

NO. 18-A

PASSUMPSIC RIVER, VERMONT

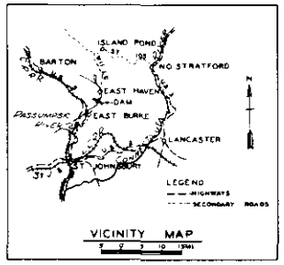
IN 3 SHEETS — SCALE AS SHOWN — SHEET NO 1

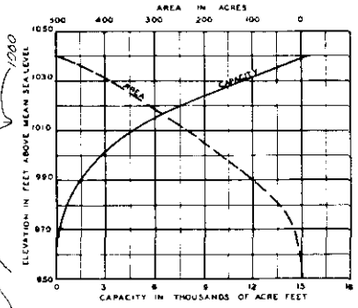
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR 1937

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

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

SEC. 4 - PLATE NO 58



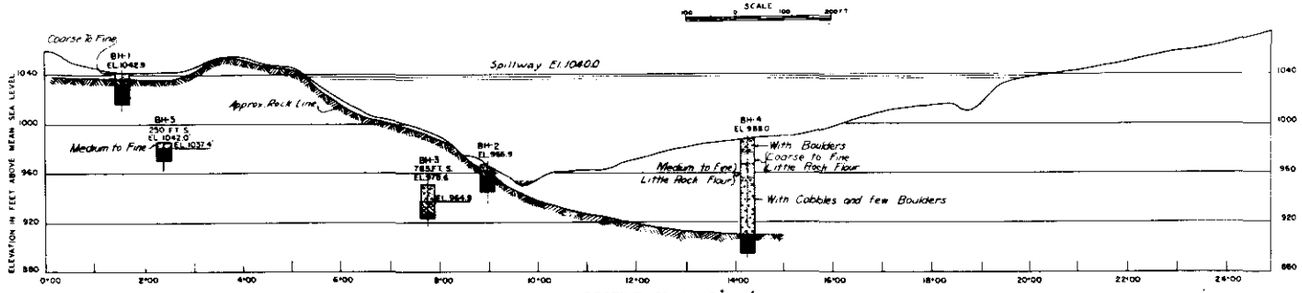


AREA AND CAPACITY CURVES

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

LEGEND

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

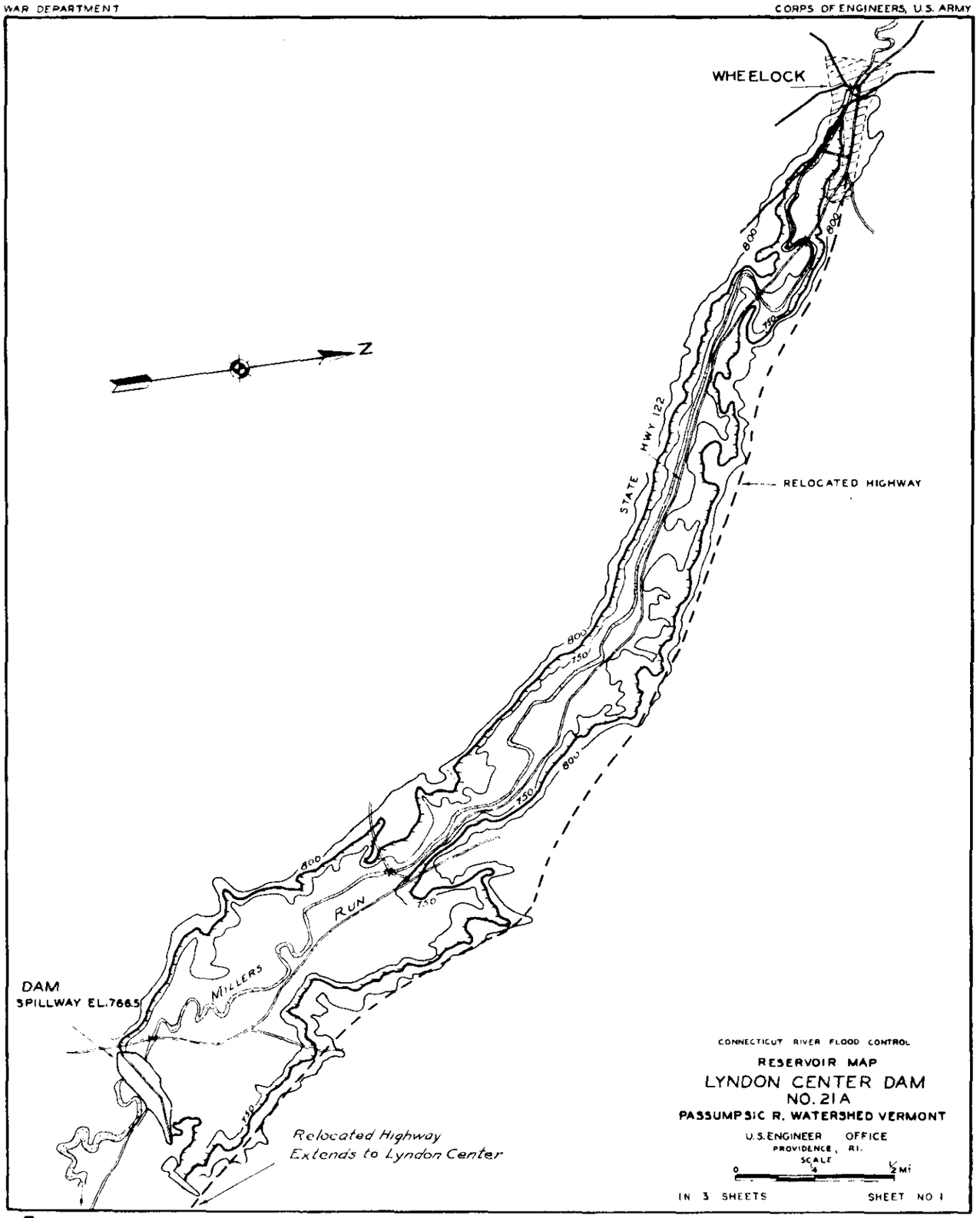


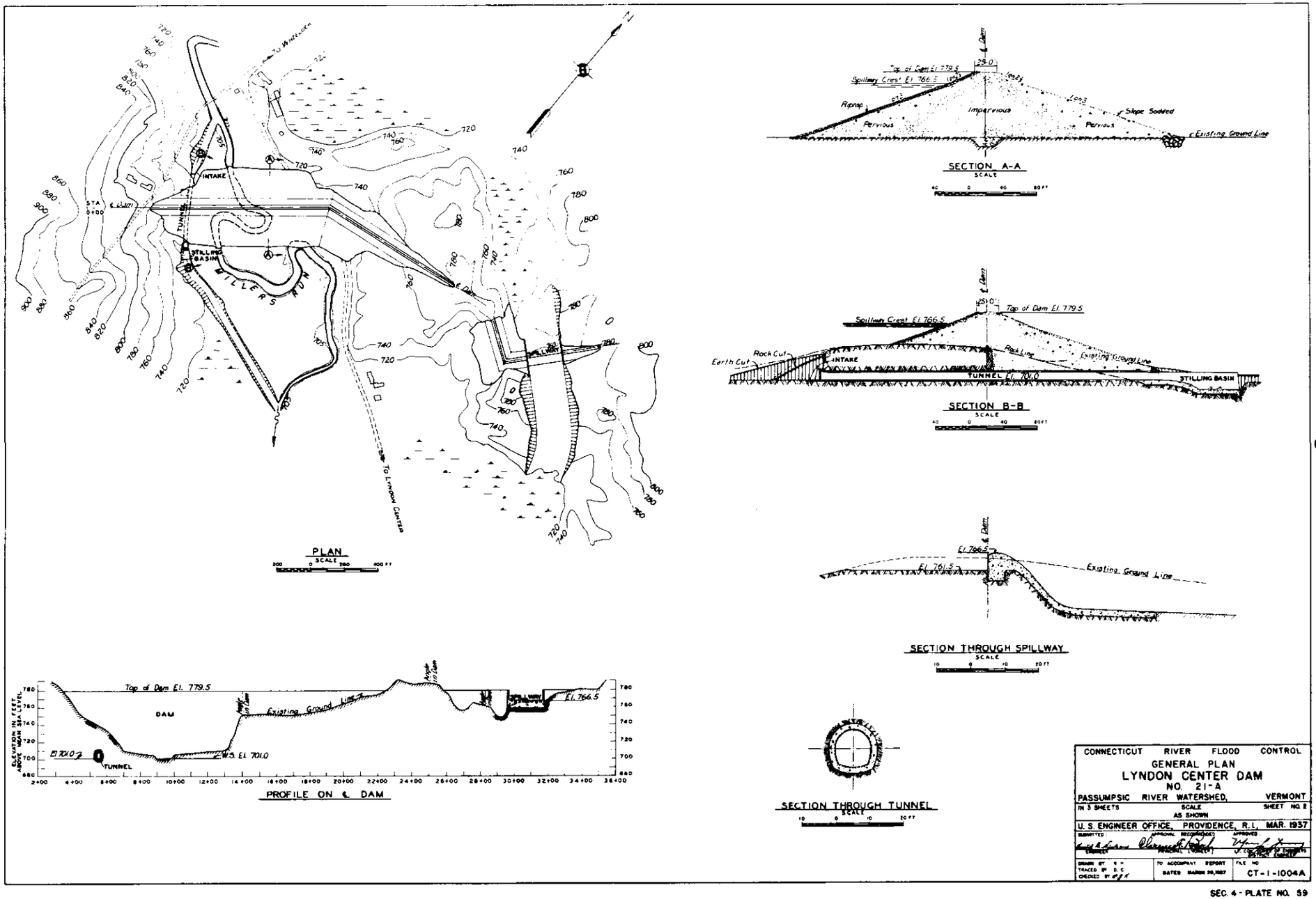
PROFILE ON LINE A-A'

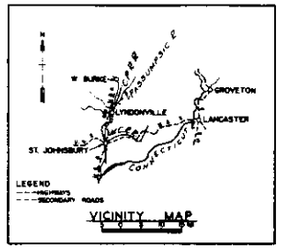
CONNECTICUT RIVER FLOOD CONTROL
GEOLOGY
EAST HAVEN DAM
NO. 18-A
PASSUMPSIC RIVER, VERMONT
IN 3 SHEETS
SCALE AS SHOWN
SHEET NO. 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

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

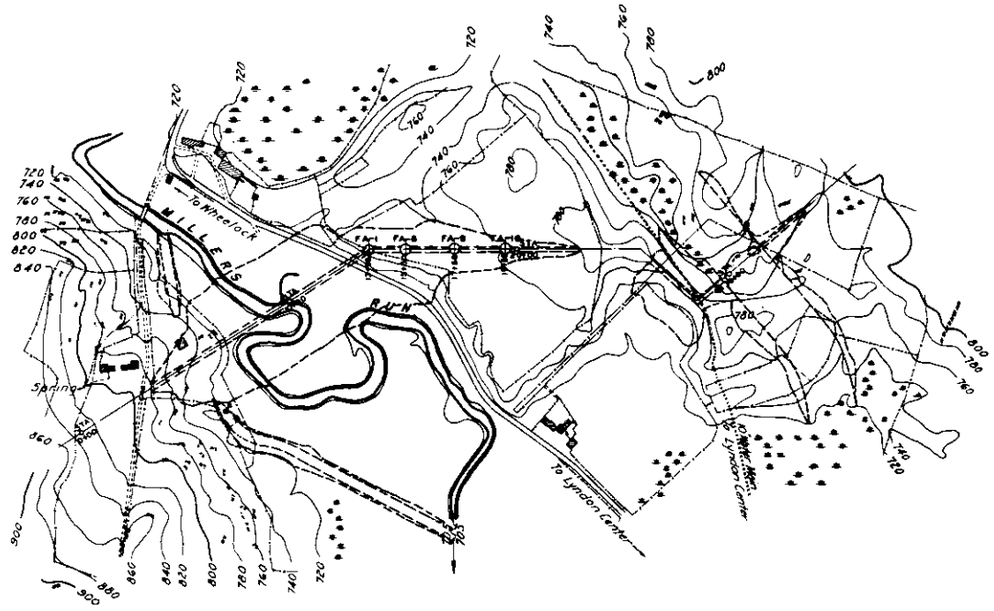
DRAWN BY J.E.P. TRACED BY P.J.G. CHECKED BY J.E.P.	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-2-1017


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

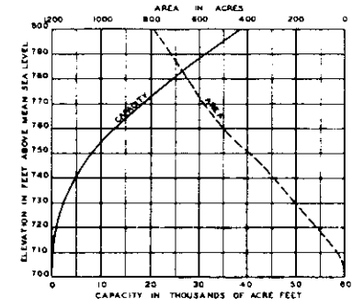


VICINITY MAP



PLAN

SCALE



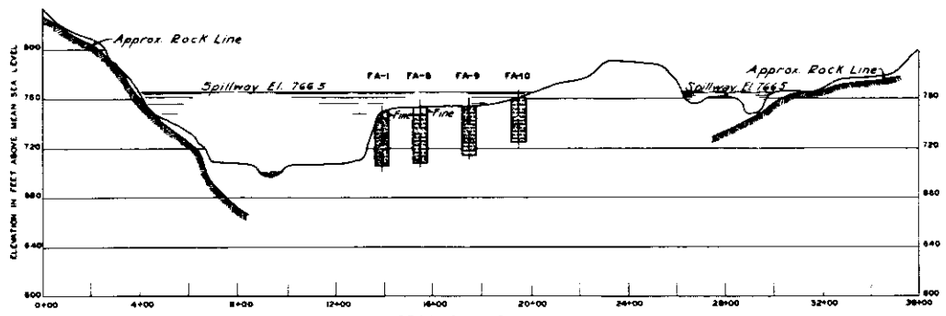
AREA AND CAPACITY CURVES

LEGEND

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

NOTE:

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



PROFILE ON ℄ DAM

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

LYNDON CENTER DAM

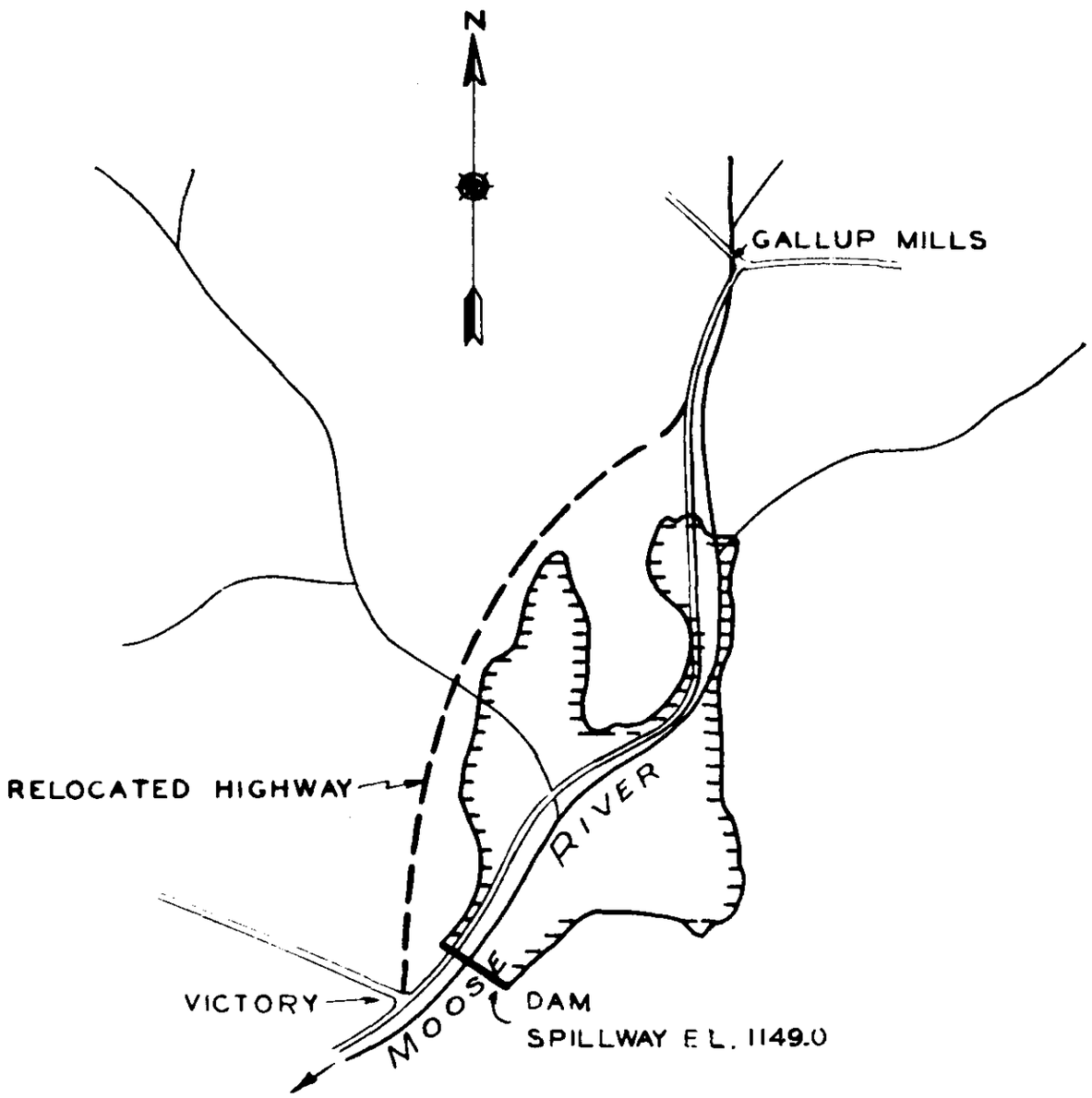
NO. 21-A

PASSUMPSIC RIVER WATERSHED, VERMONT

IN 3 SHEETS	SCALE AS SHOWN	SHEET NO 3

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

SUBMITTED: GEOLOGIST	APPROVAL RECOMMENDED: PRINCIPAL ENGINEER	APPROVED: LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY D.P. TRACED BY J.F.V. 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

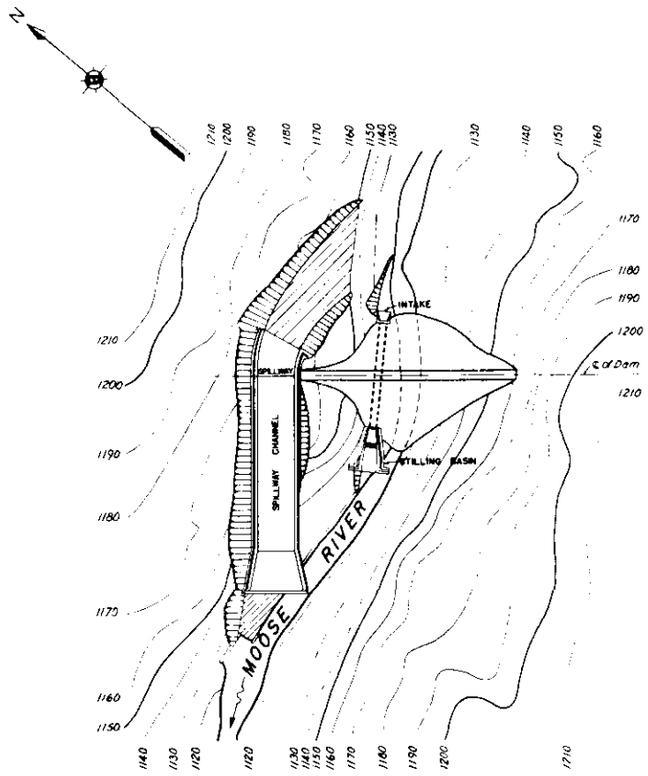
U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

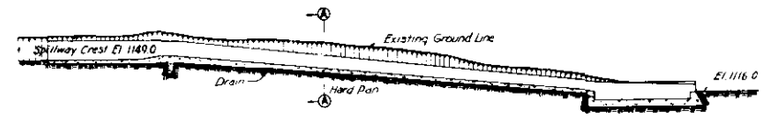
SCALE

0 1 2 MI.

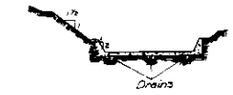
IN 3 SHEETS SHEET NO. 1



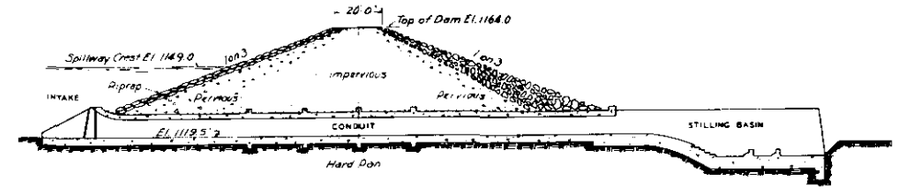
PLAN
SCALE
150 0 100 200 FT



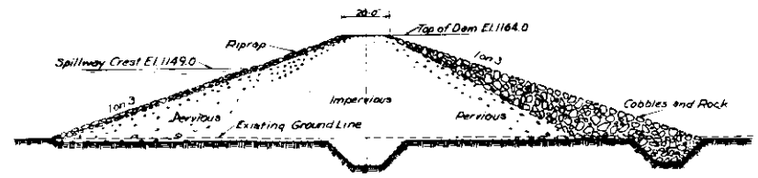
SECTION ON ℄ OF SPILLWAY CHANNEL
SCALE
40 0 40 80 FT



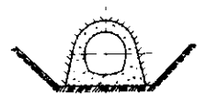
SECTION "A-A"
SPILLWAY CHANNEL
SCALE
40 0 40 80 FT



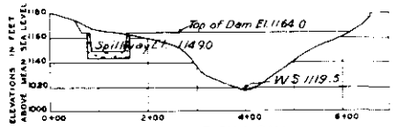
SECTION ON ℄ CONDUIT
SCALE
20 0 20 40 FT



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

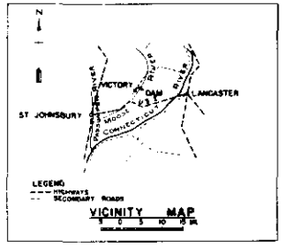
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937

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

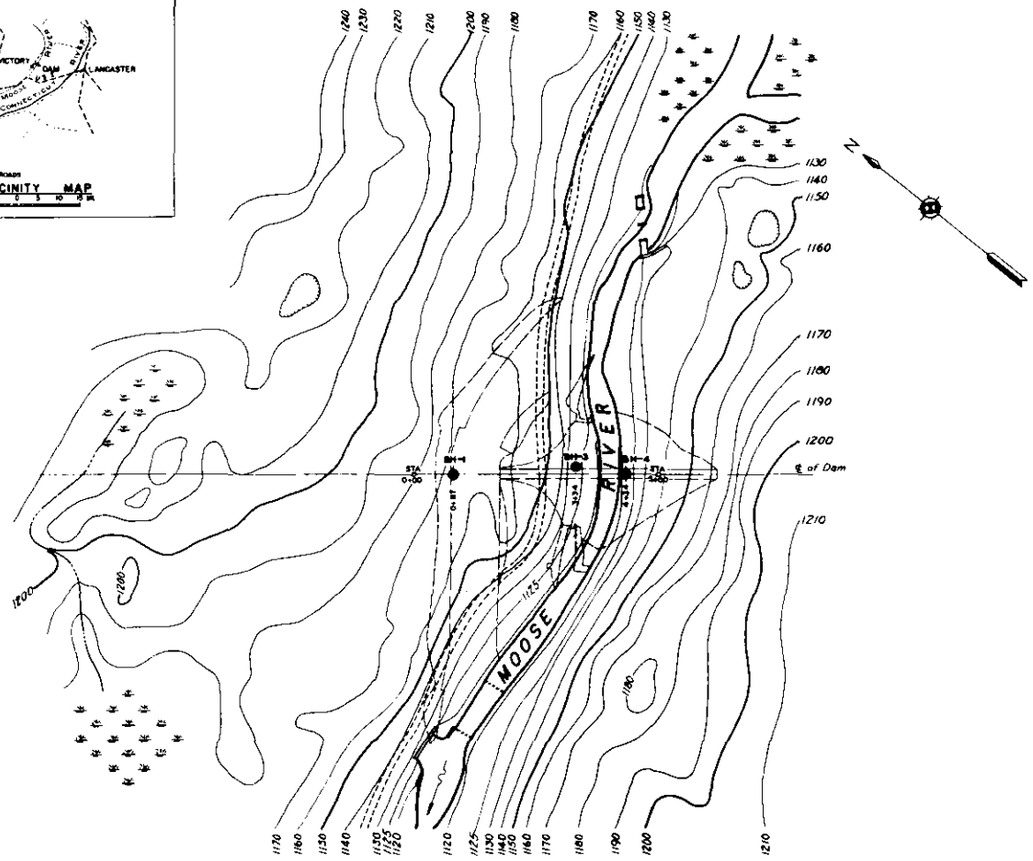
DRAWN BY H.H. TRACED BY E.L. CHECKED BY

TO ACCOMPANY REPORT DATED MARCH 20, 1937

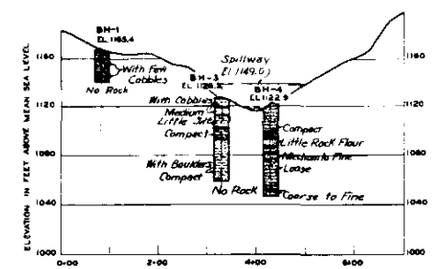
FILE NO CT-1-1006A



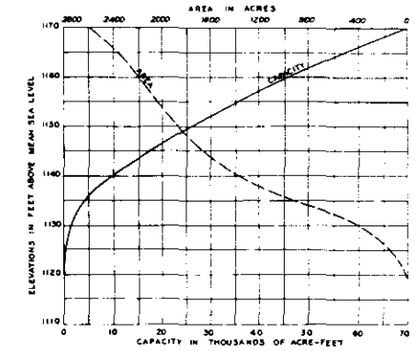
VICINITY MAP



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

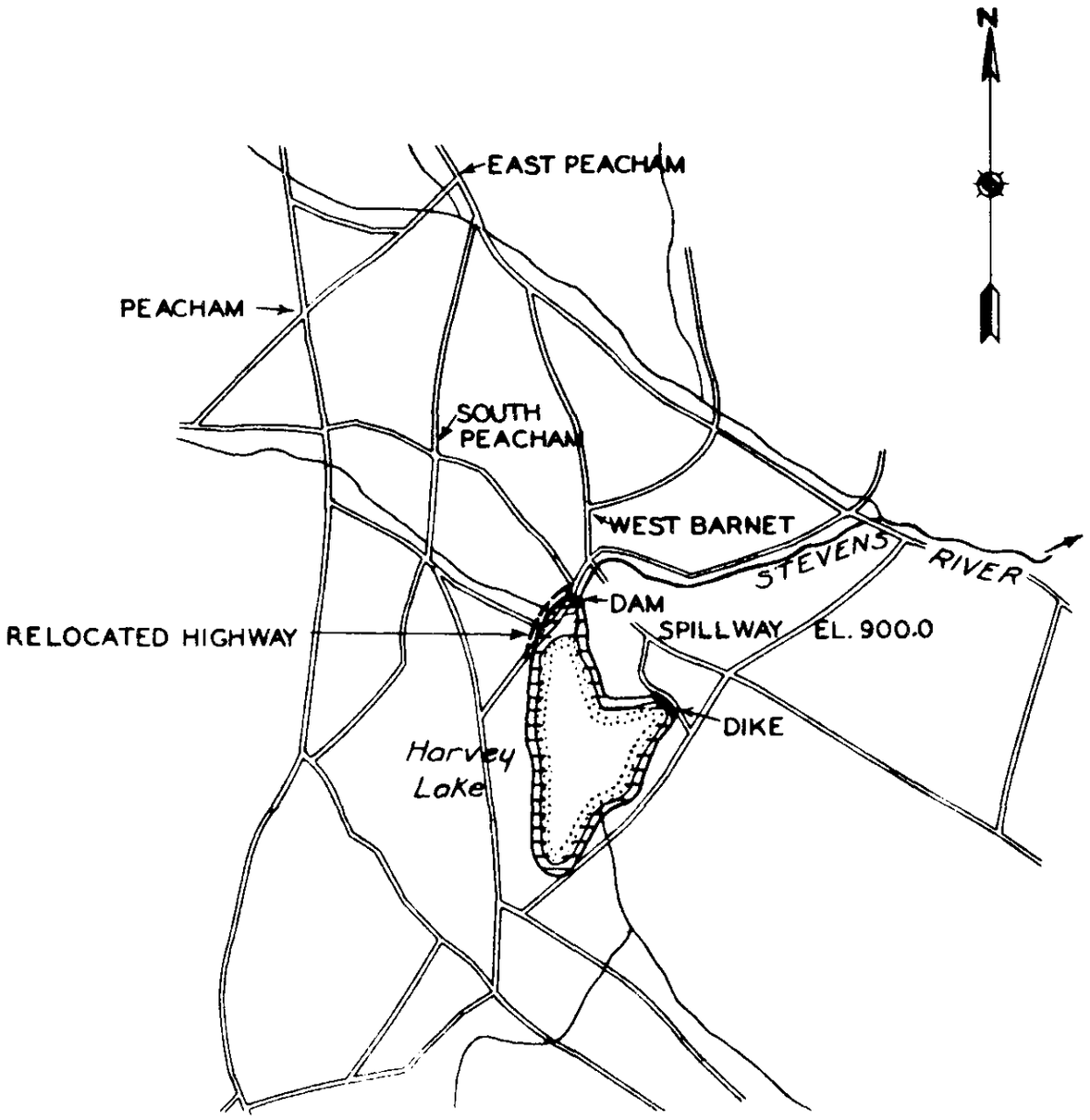
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

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

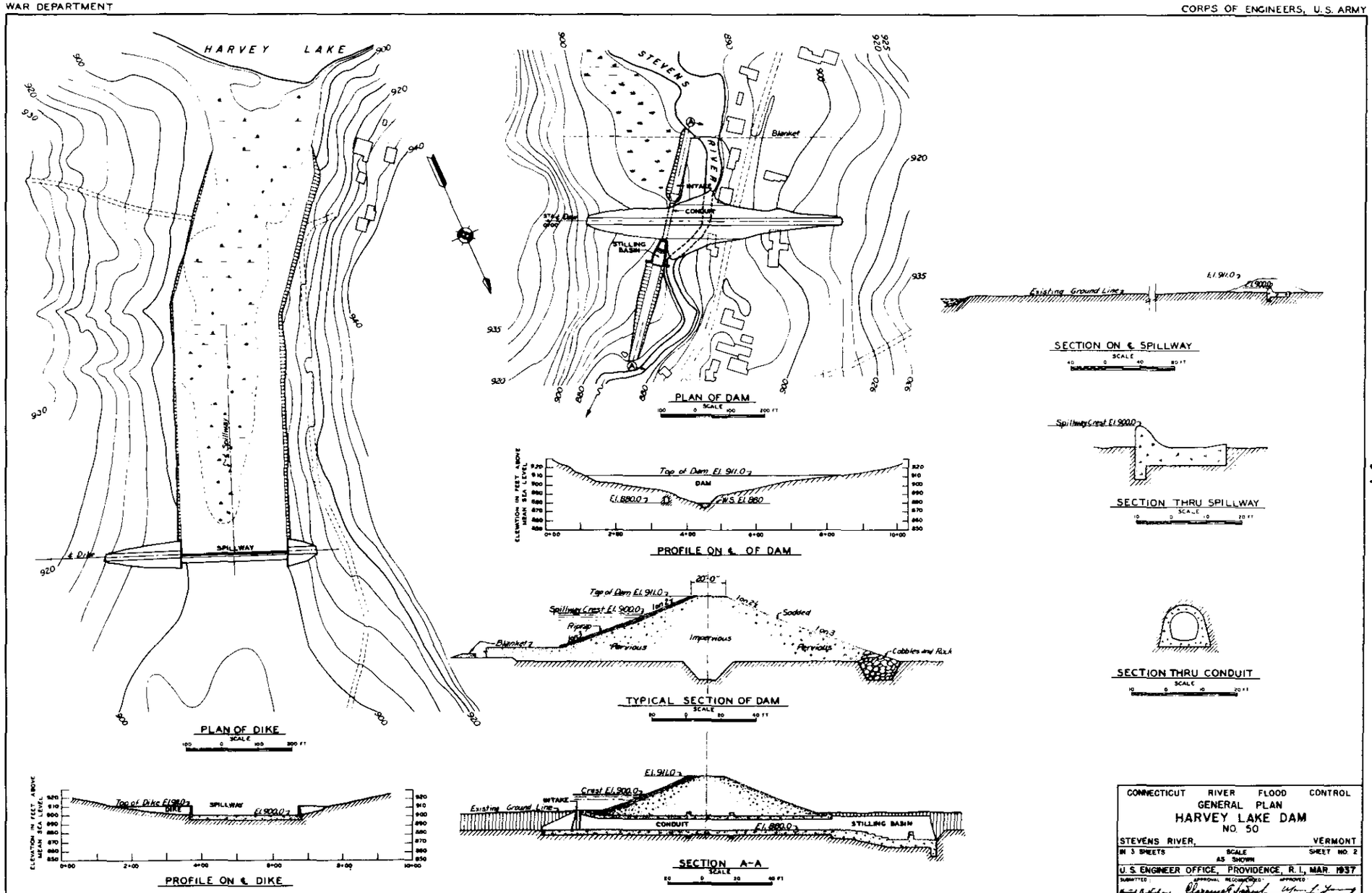
U. S. ENGINEER OFFICE

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

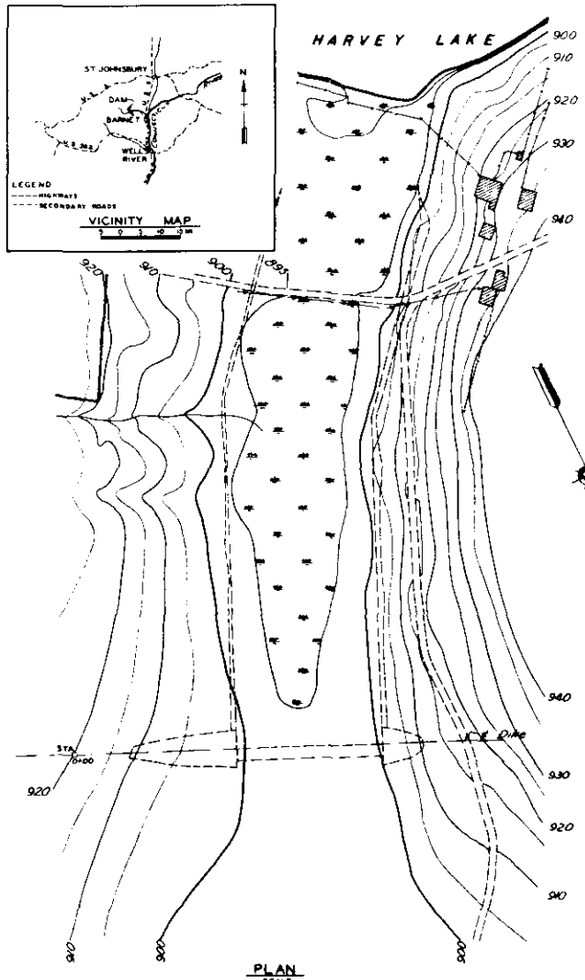
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

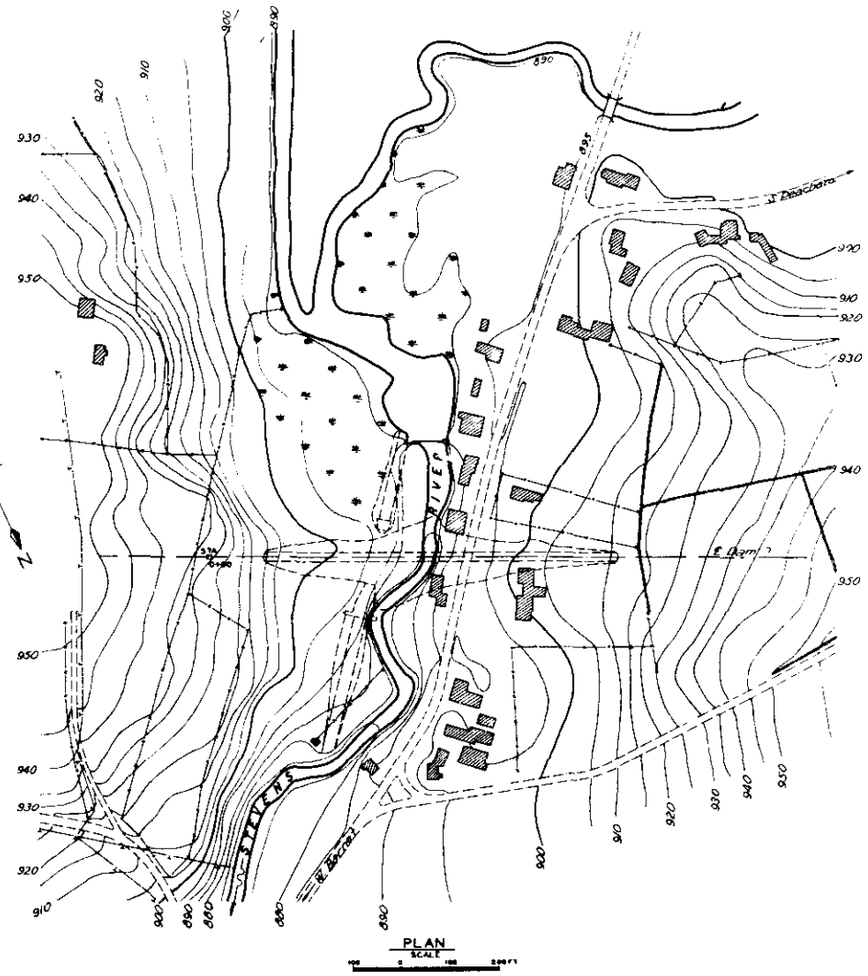
SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: DIVISION ENGINEER — APPROVED: CHIEF OF ENGINEERS

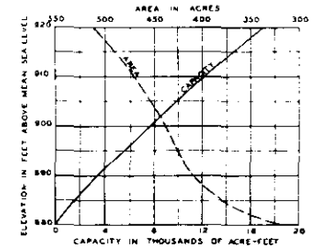
DRAWN BY J.H. TRACED BY J.E.M. & D.C. CHECKED BY

TO ACCOMPANY REPORT DATED MARCH 30, 1937

FILE NO. CT-1-1008A

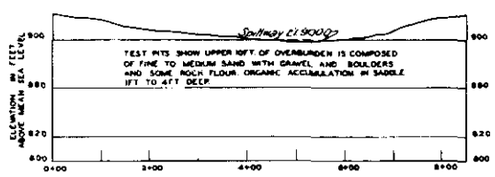




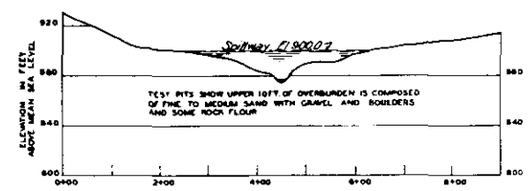


AREA AND CAPACITY CURVES

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

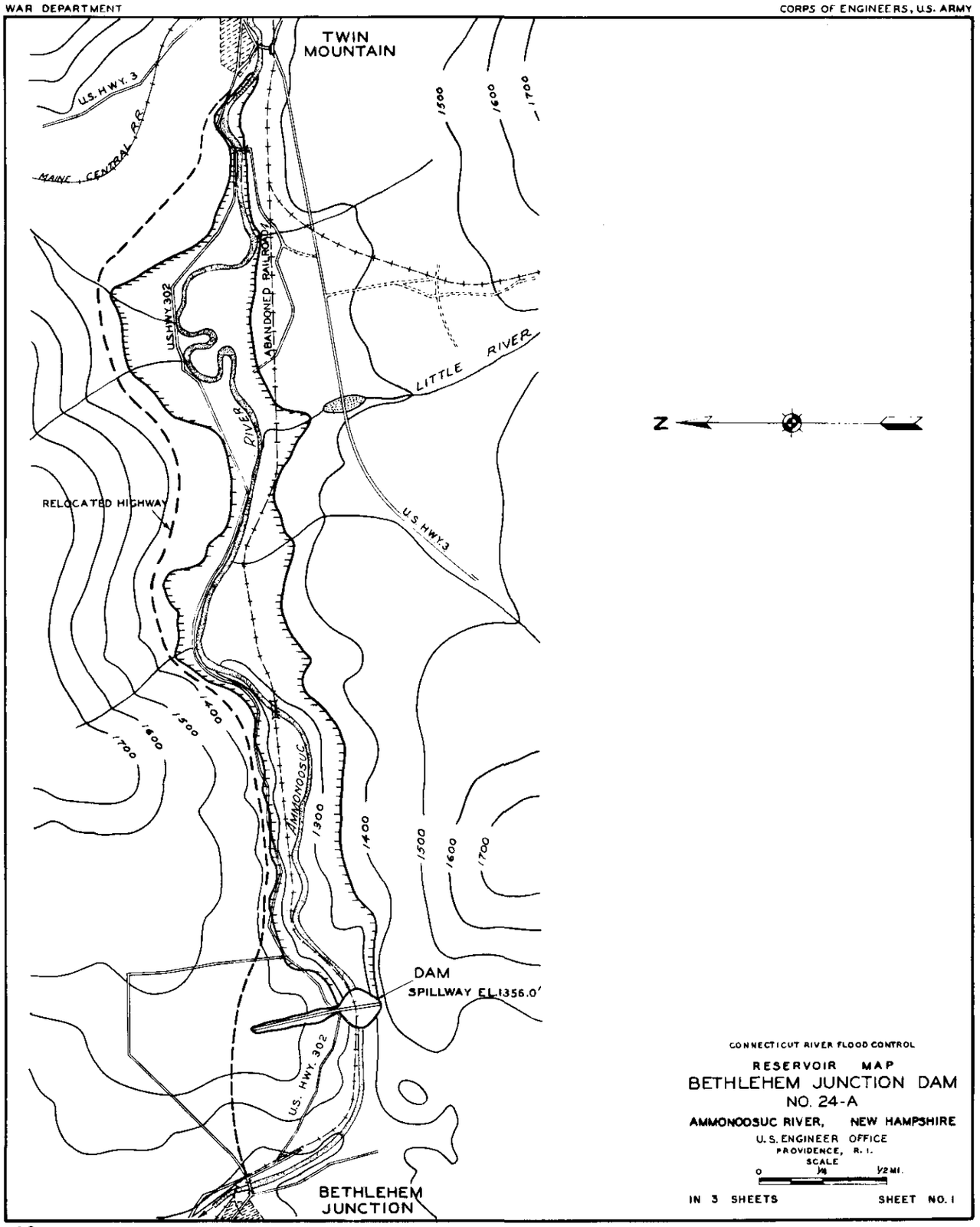


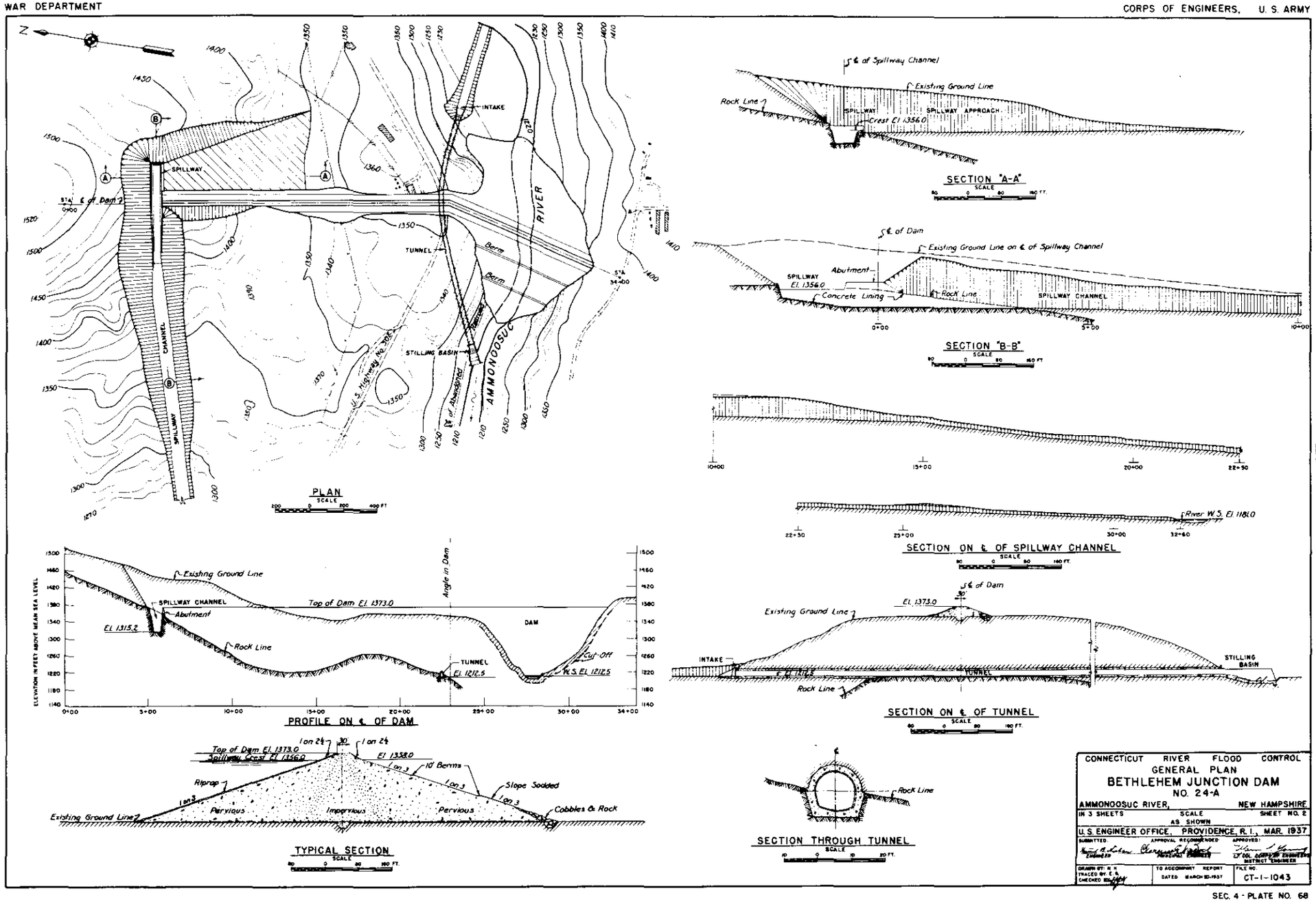
PROFILE ON ℄ DIKE



PROFILE ON ℄ DAM

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: MATERIAL ENGINEER | APPROVED: LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY: D. F. | TRACED BY: | CHECKED BY:
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-2-1003A


TWIN MOUNTAIN
U.S. HWY. 3
MAINE CENTRAL R.R.
U.S. HWY. 302
ABANDONED RAILROAD
LITTLE RIVER
RIVER
RELOCATED HIGHWAY
U.S. HWY. 3
AMMONOOSUC
1700
1600
1500
1400
1300
DAM
SPILLWAY EL. 1356.0'
U.S. HWY. 302
BETHLEHEM JUNCTION
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



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

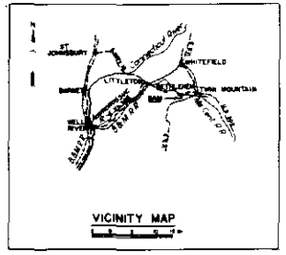
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

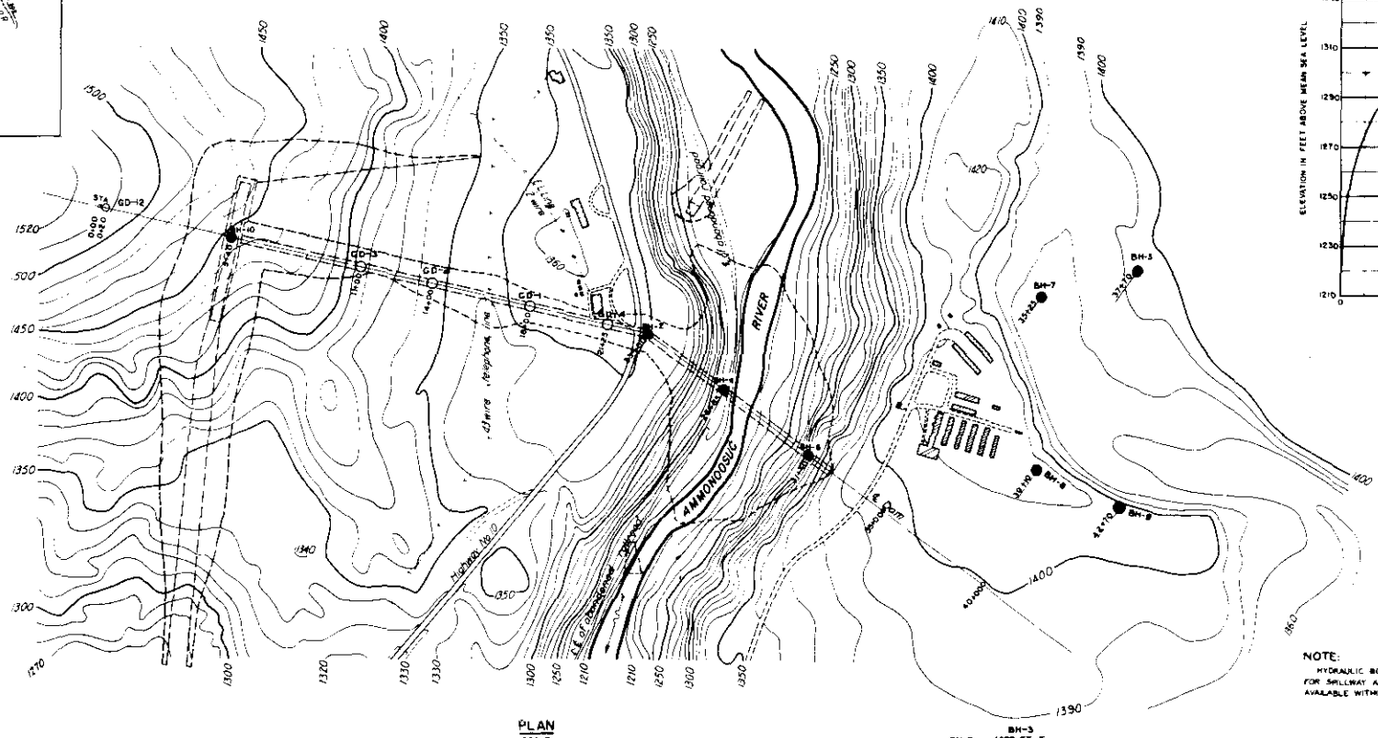
SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: ASSISTANT DIVISION ENGINEER | APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

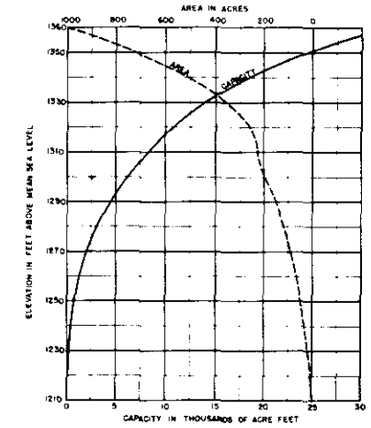
DRAWN BY: R. H. | TRACED BY: E. A. | CHECKED BY: | TO ACCOMPANY REPORT DATED MARCH 30, 1937 | FILE NO. CT-1-1043

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

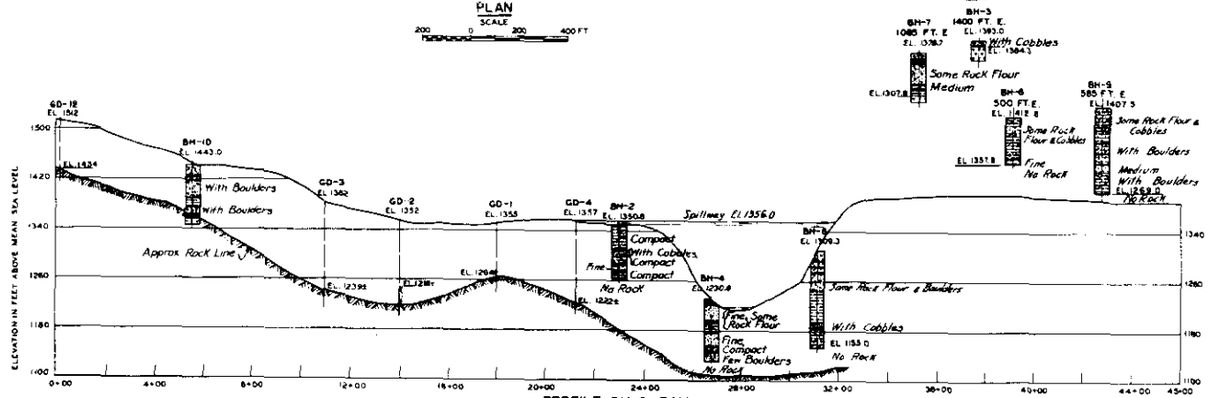






AREA AND CAPACITY CURVES

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



PROFILE ON ℄ DAM

LEGEND

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

○ GD= GEOPHYSICAL DETERMINATION

● BH= CORE BORE HOLE

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

BETHLEHEM JUNCTION DAM

NO. 24-A

AMMONOOSUC RIVER, NEW HAMPSHIRE

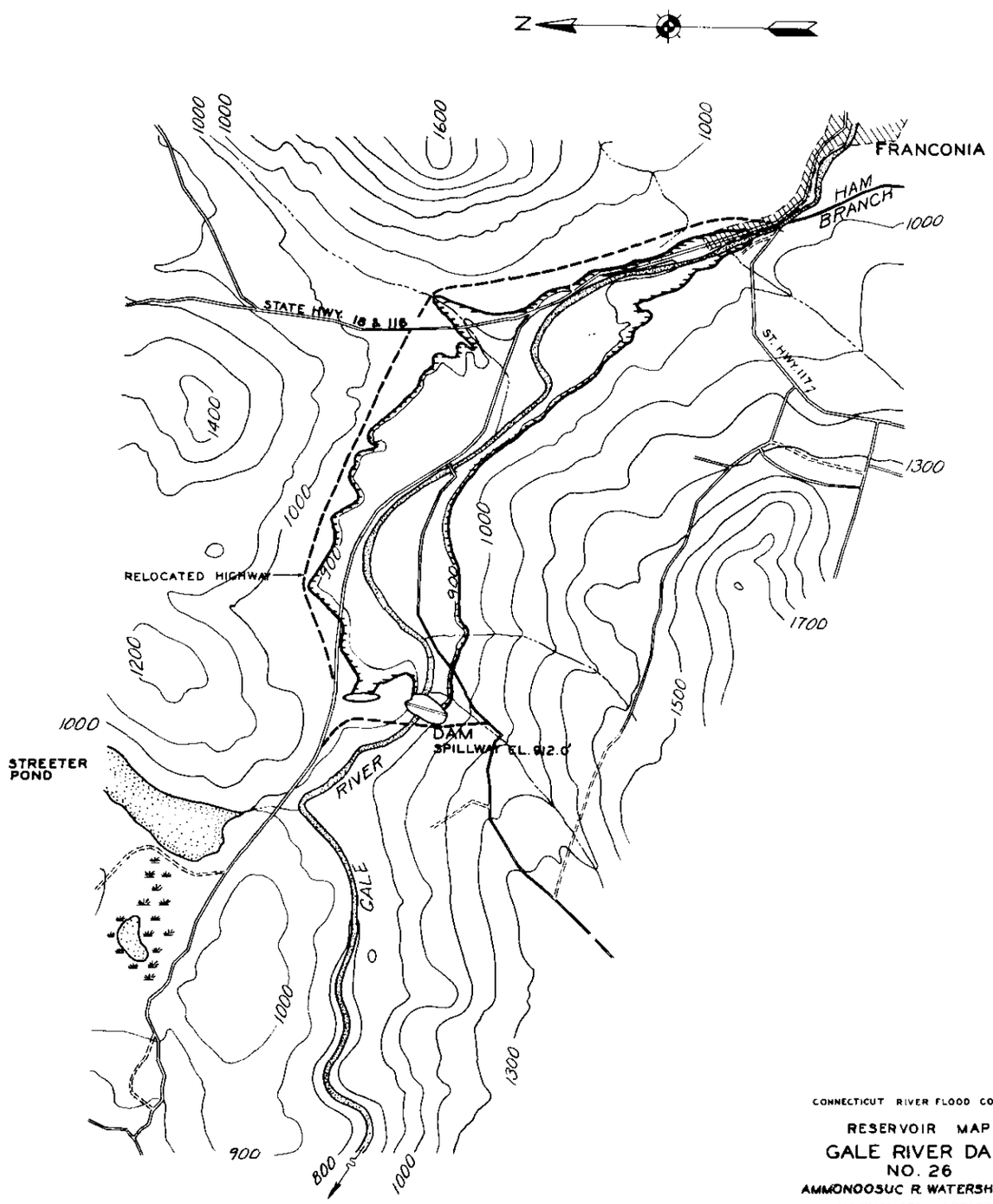
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 3

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

SUBMITTED: GEOLOGIST | APPROVAL 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.B. | 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

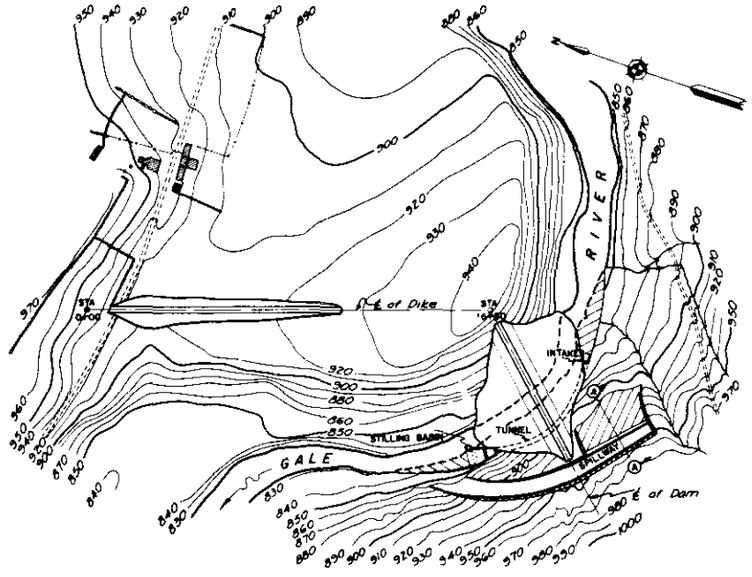
AMMONOOSUC R. WATERSHED, N.H.

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

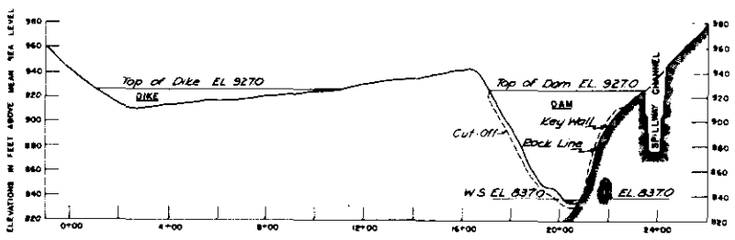
SCALE 0 1/4 1/2 MI.

IN 3 SHEETS SHEET NO. 1

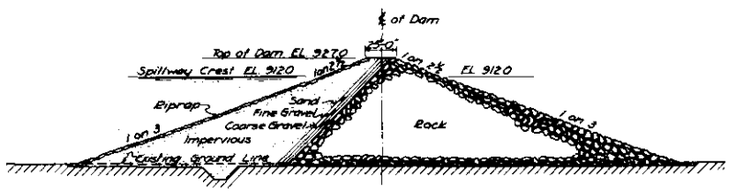


PLAN OF DAM

SCALE 200 0 200 400 FT.

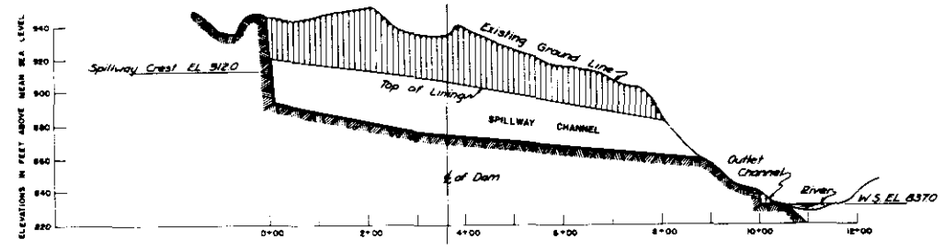


PROFILE ON ℄ OF DAM

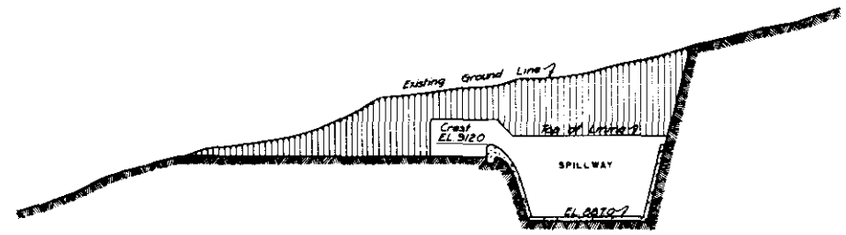


TYPICAL SECTION

SCALE 40 0 40 80 FT

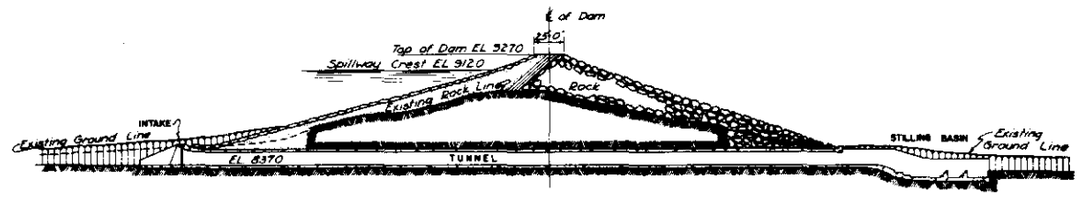


PROFILE ON ℄ OF SPILLWAY CHANNEL



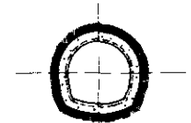
SECTION "A-A"

SCALE 20 0 20 40 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

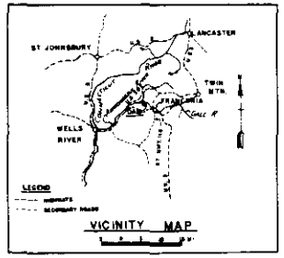
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

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

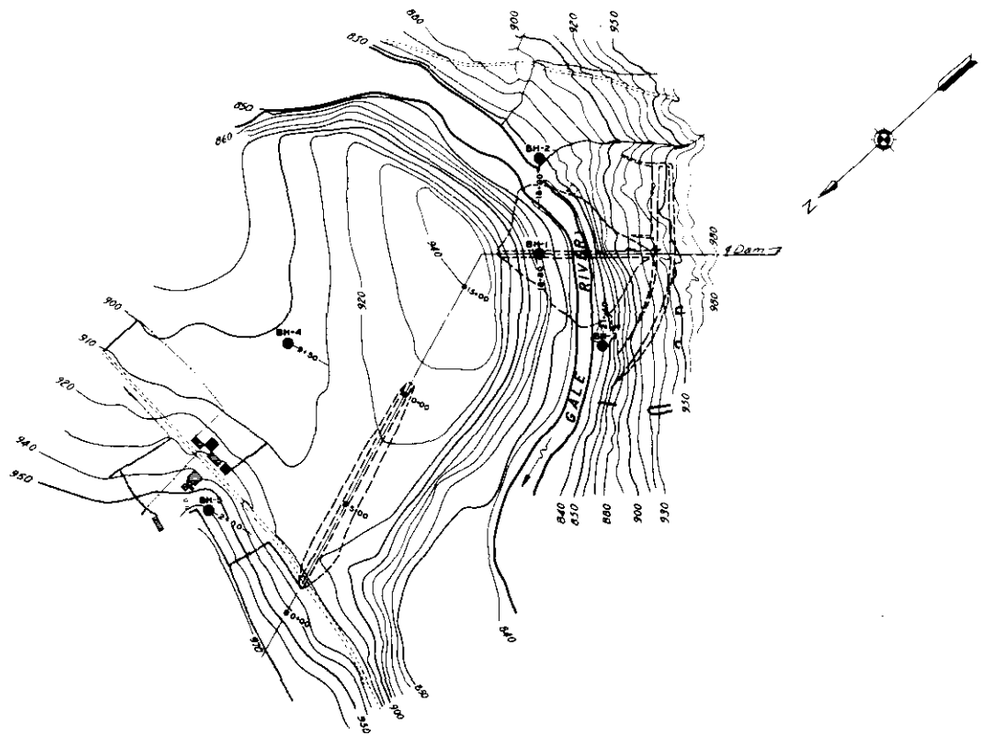
SUBMITTED: ENGINEER | APPROVED: TECHNICAL SUPERVISOR, HYDRAULIC ENGINEER | APPROVED: LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY E.H. | TRACED BY K.E.S. | CHECKED BY | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-1-1045

SEC. 4 - PLATE NO. 71

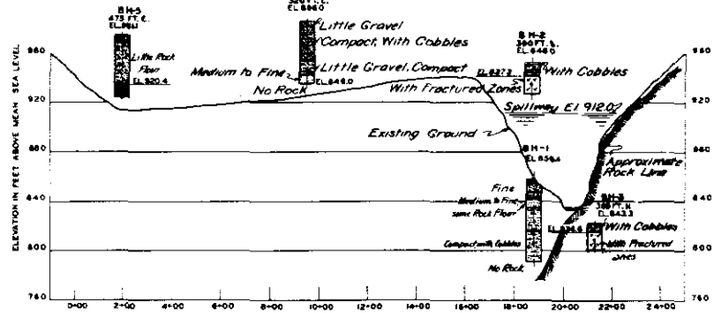


VICINITY MAP

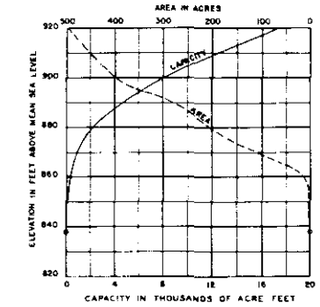


PLAN

SCALE



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 — SHEET NO. 3

AS SHOWN

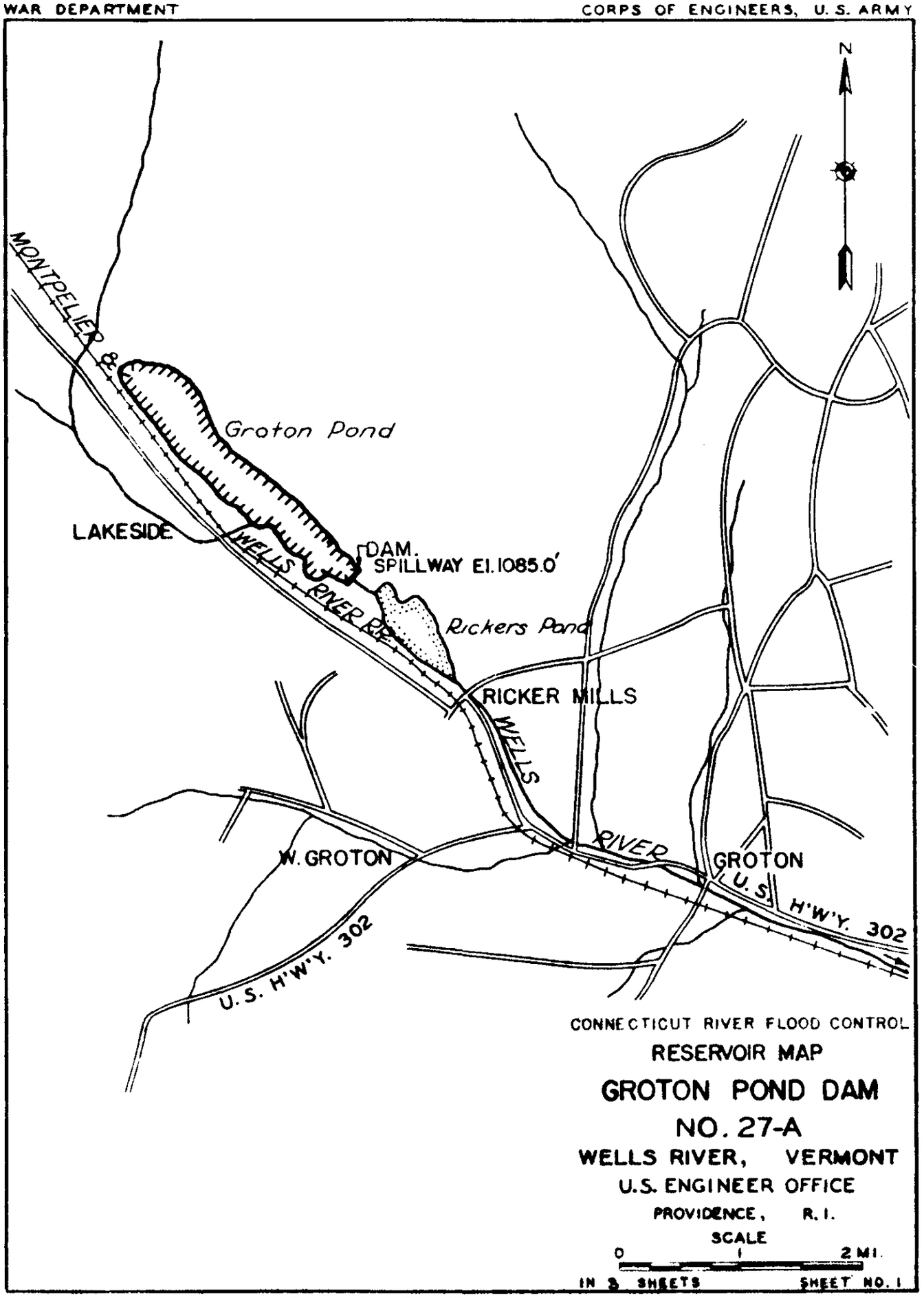
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

SUBMITTED — APPROVAL RECOMMENDED — APPROVED

DRAWN BY R.A.B.
TRACED BY V.A.T.
CHECKED BY J.-H.S.

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

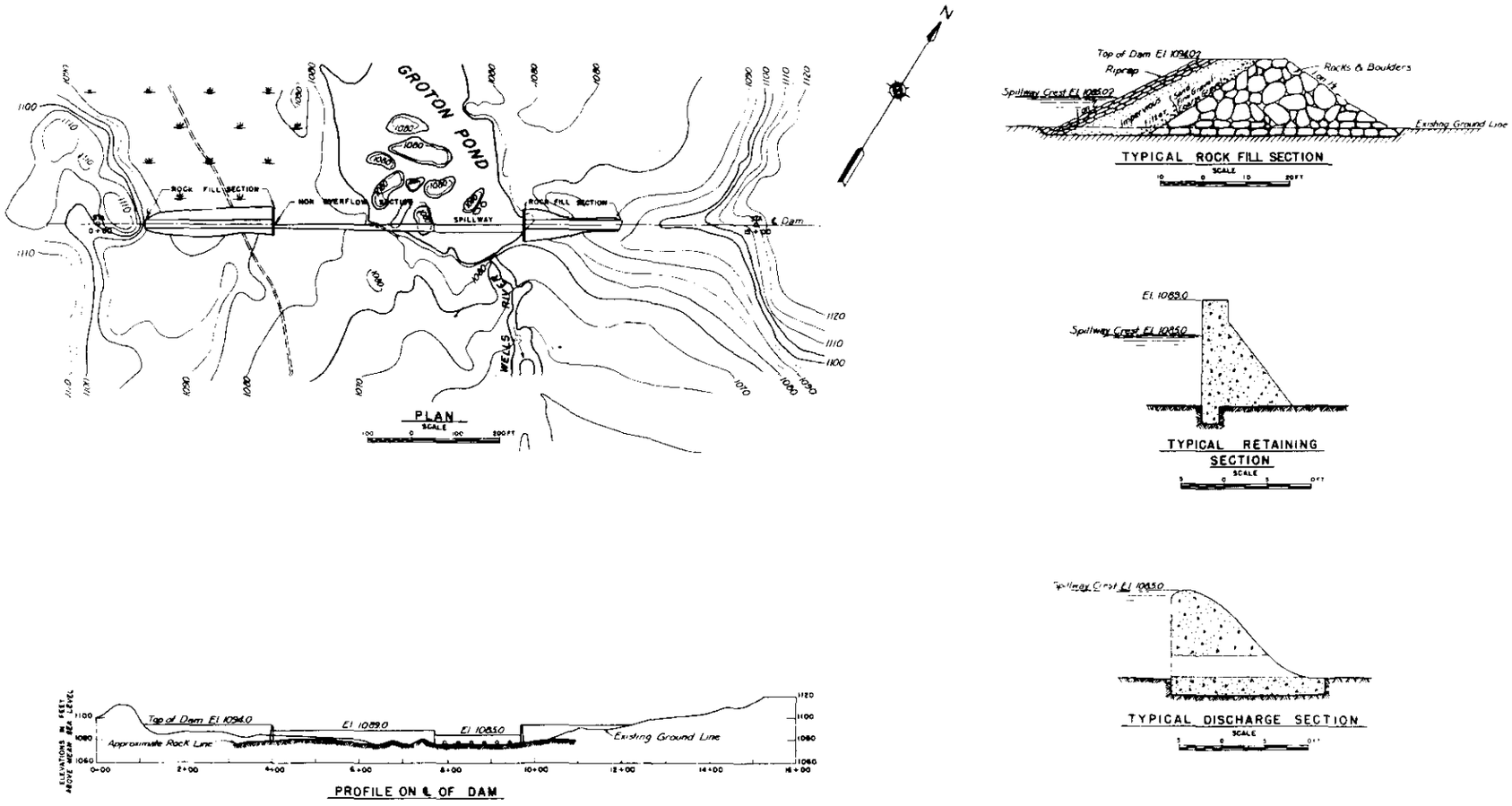
U.S. ENGINEER OFFICE

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

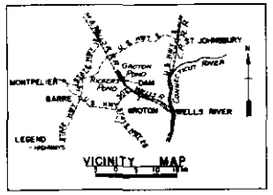
SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

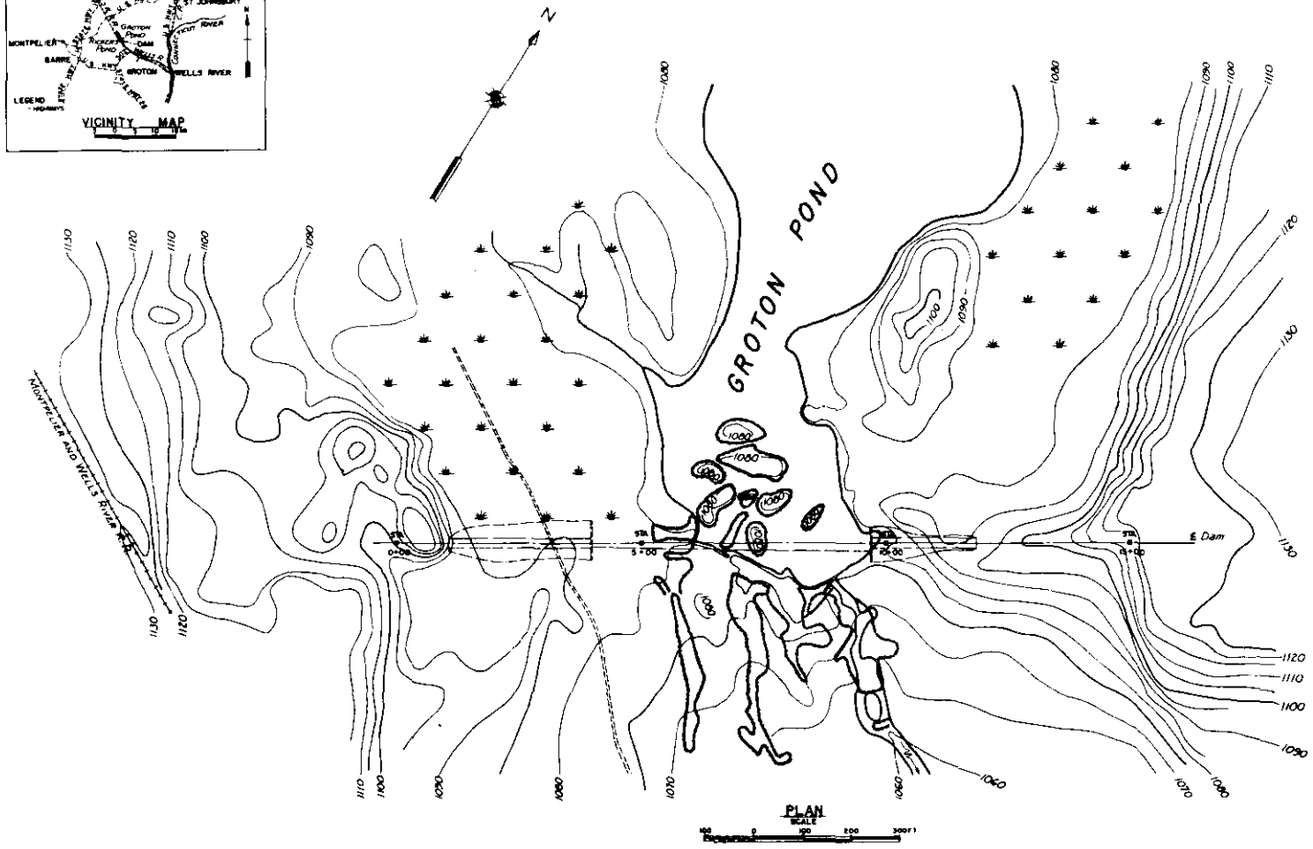
DRAWN BY P.O.M. TRACED BY E.G. CHECKED BY [illegible]

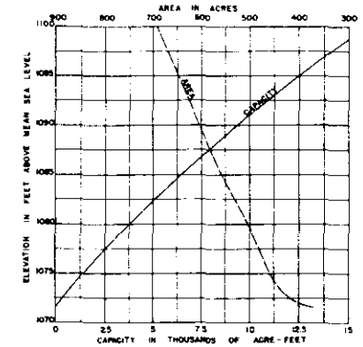
TO ACCOMPANY REPORT DATED MARCH 30, 1937

FILE NO. CT-1-1010A

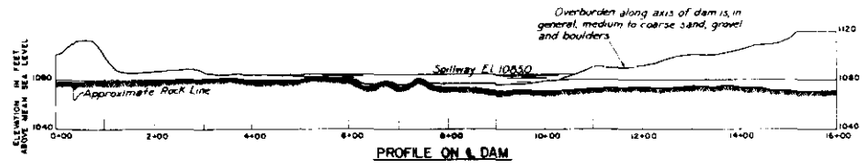
SEC. 4 - PLATE NO. 74







AREA AND CAPACITY CURVES

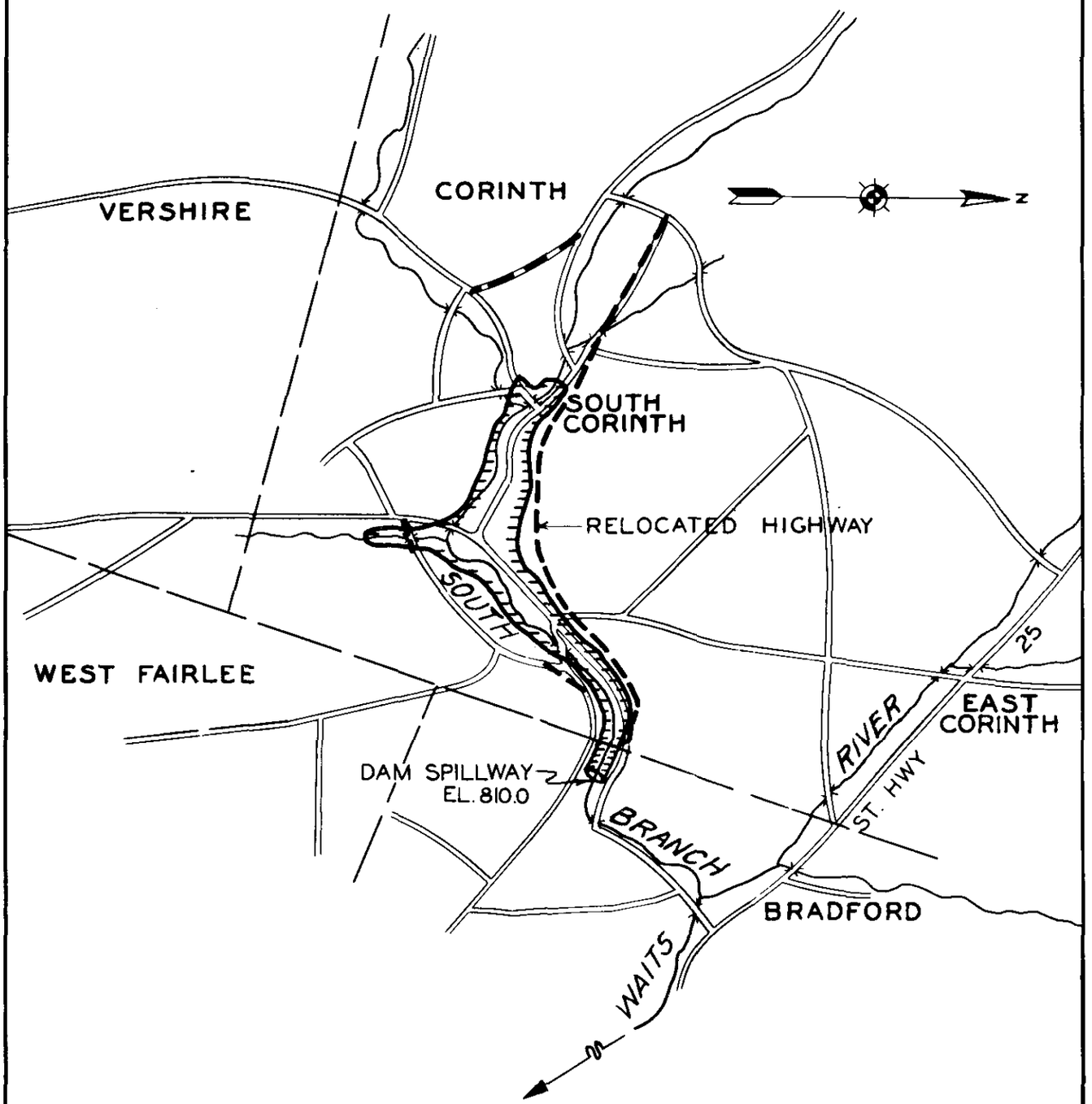


PROFILE ON ℄ DAM

LEGEND

ROCK OUT-CROP (MASSIVE GRANITE)

CONNECTICUT RIVER FLOOD CONTROL		
GEOLOGY GROTON POND DAM NO 27-A		
WELLS RIVER,		VERMONT
IN 3 SHEETS	SCALE AS SHOWN	SHEET NO. 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937		
SUBMITTED GEOLOGIST	ADDITIONAL RECOMMENDED PRINCIPAL ENGINEER	APPROVED LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY D.P. TRACED BY C.B. CHECKED BY J.W.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.

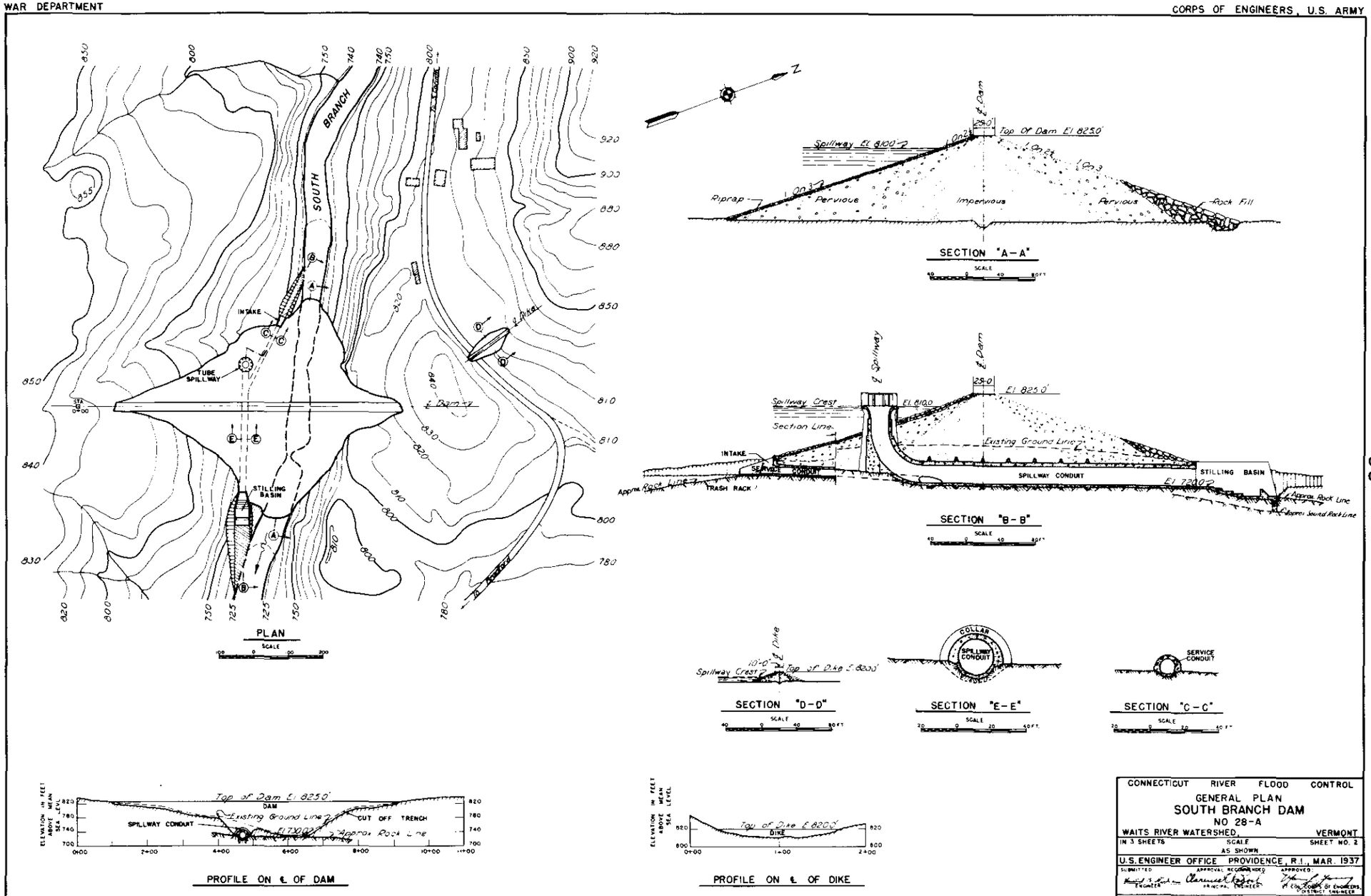
U.S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE
0 1 2MI.

IN 3 SHEETS SHEET NO. 1

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

SOUTH BRANCH DAM

NO 28-A

WAITS RIVER WATERSHED, VERMONT

IN 3 SHEETS SCALE AS SHOWN SHEET NO. 2

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

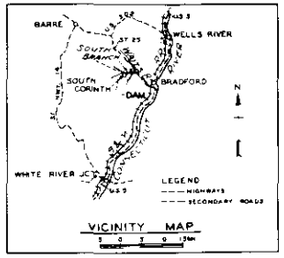
SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

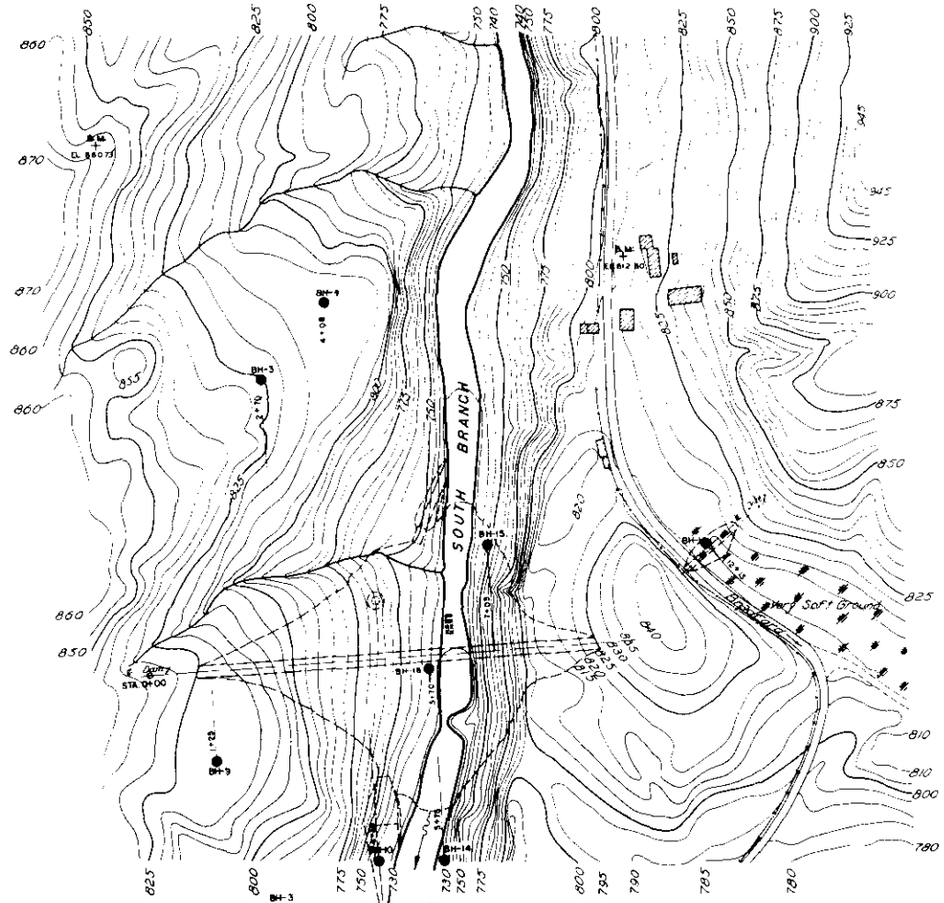
DRAWN BY F.O.G.M. TRACED BY P.J.C. CHECKED BY D.P.M. — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-1-1047

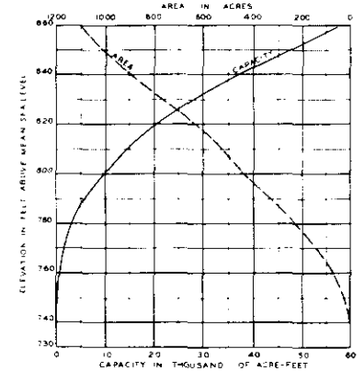
SEC. 4 - PLATE NO. 77

WAR DEPARTMENT

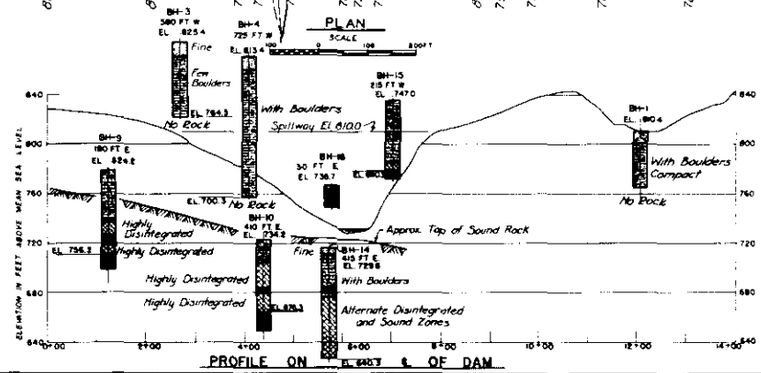
CORPS OF ENGINEERS, US ARMY







AREA AND CAPACITY CURVES



PROFILE ON ℄ OF DAM

NOTE:
IMPERVIOUS AND PERVIOUS BORROW MATERIAL AVAILABLE UPSTREAM AND DOWNSTREAM WITHIN 0.5 MILES. AGGREGATE FOR CONCRETE AVAILABLE WITHIN 10 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

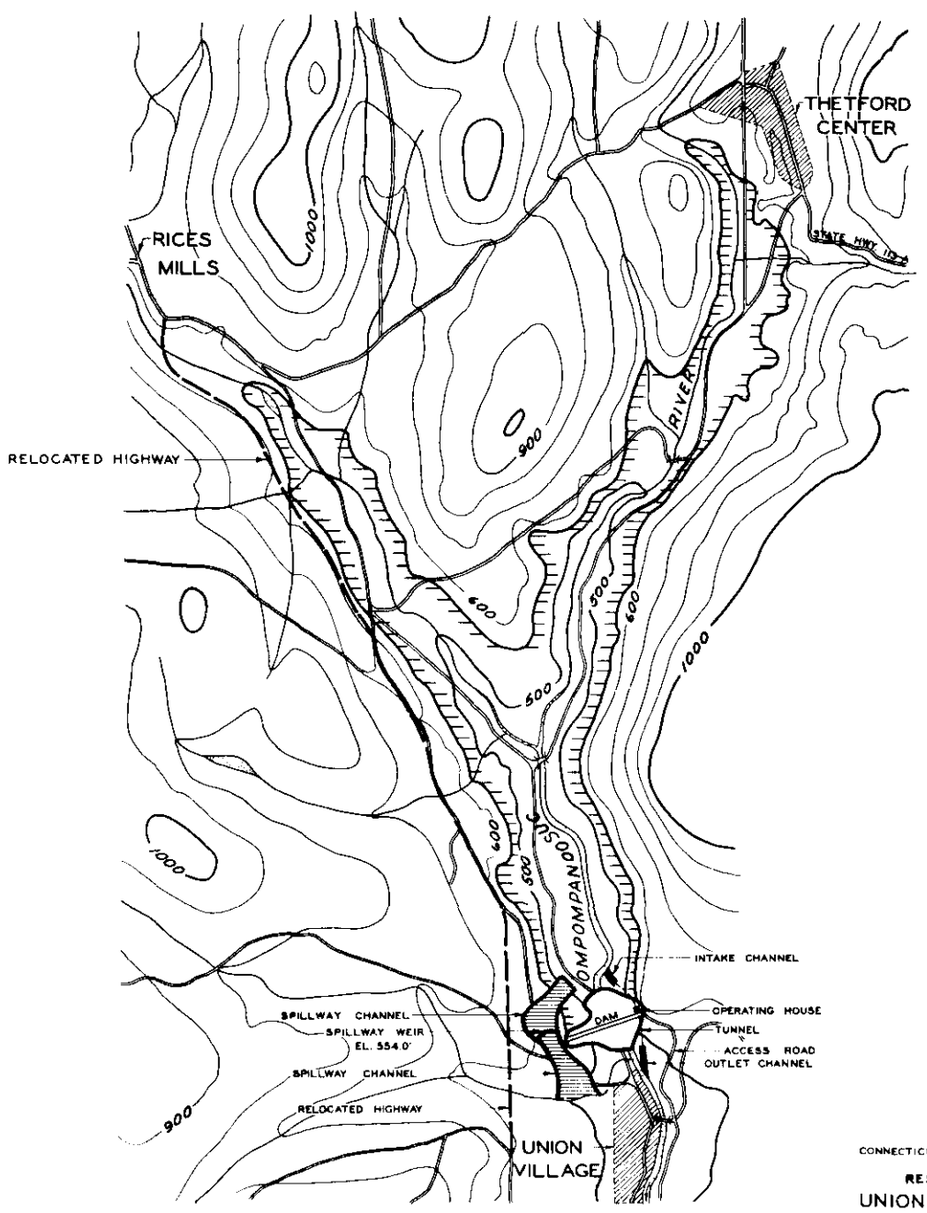
WAITS RIVER WATERSHED, VERMONT

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.S. CHECKED BY J.W.R. | TO ACCOMPANY REPORT DATED MARCH 30, 1937 | FILE NO. CT-2-1020



CONNECTICUT RIVER FLOOD CONTROL

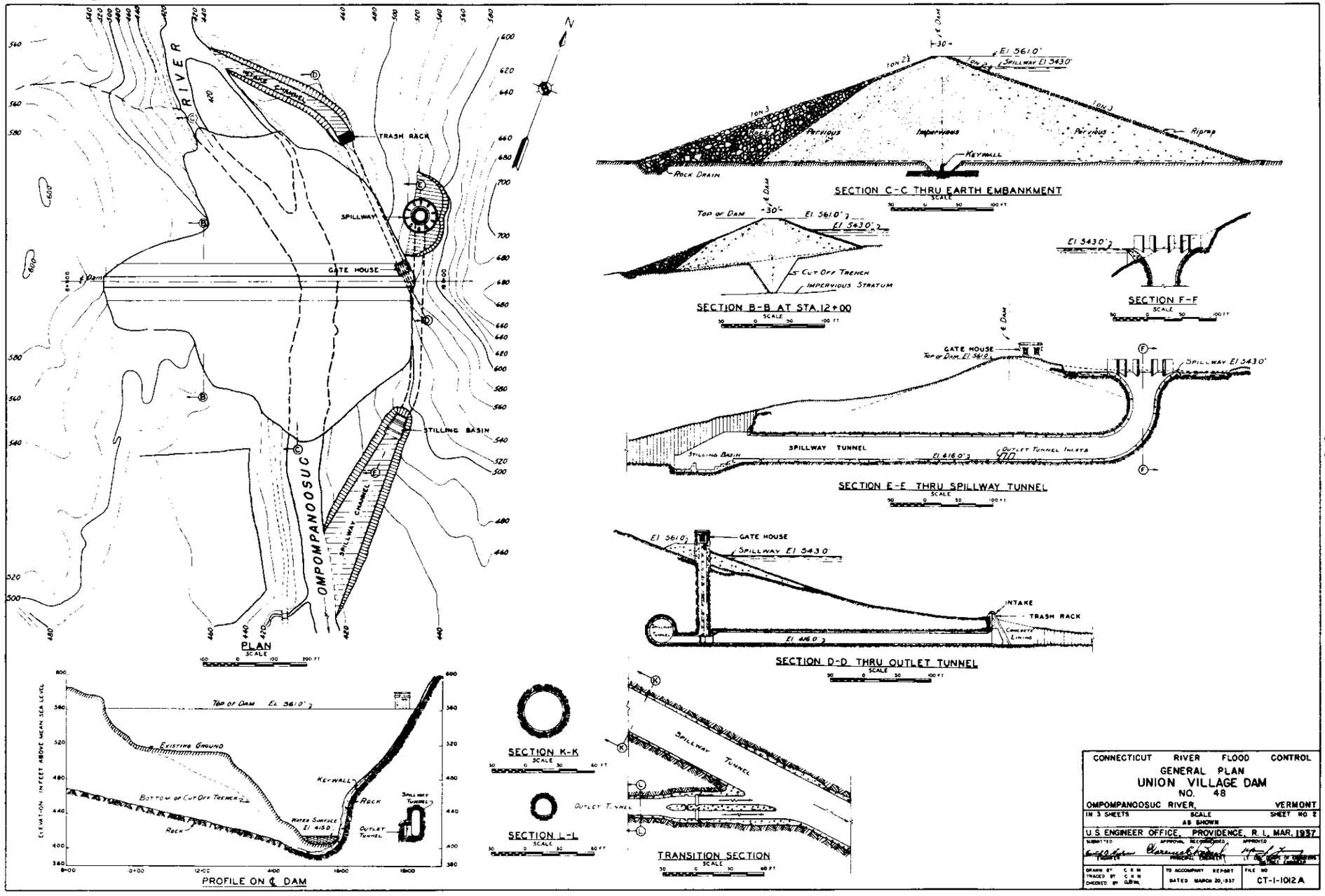
RESERVOIR MAP

UNION VILLAGE DAM
NO. 48

OMPOMPANOOSUC R., VERMONT

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

SCALE
0 1/4 1/2 MI.



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

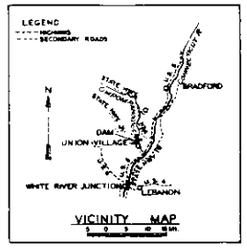
SUBMITTED — APPROVAL RECOMMENDED — APPROVED

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

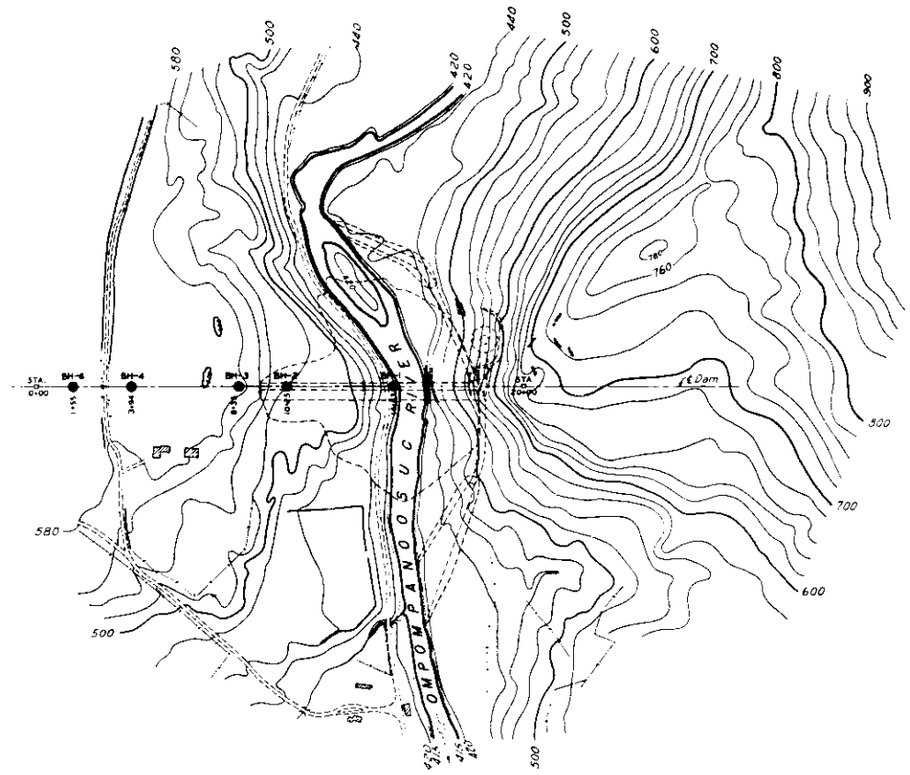
DRAWN BY C.E.M. TRACED BY C.E.M. CHECKED BY G.B.M.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO CT-1-1012.A

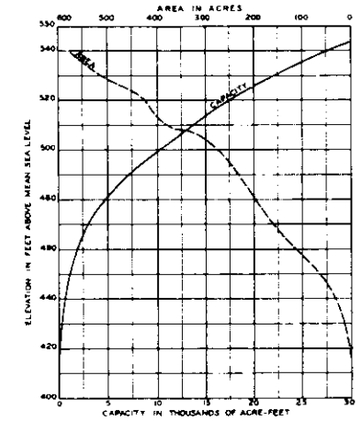


VICINITY MAP



PLAN

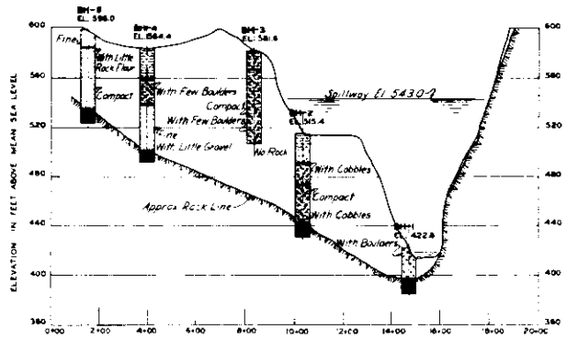
SCALE



AREA AND CAPACITY CURVES

NOTE:

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



PROFILE ON ℄ DAM

LEGEND

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

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

UNION VILLAGE DAM

NO. 48

OMPOMPANOOSUC RIVER, VERMONT

IN 3 SHEETS — SCALE AS SHOWN — SHEET NO 3

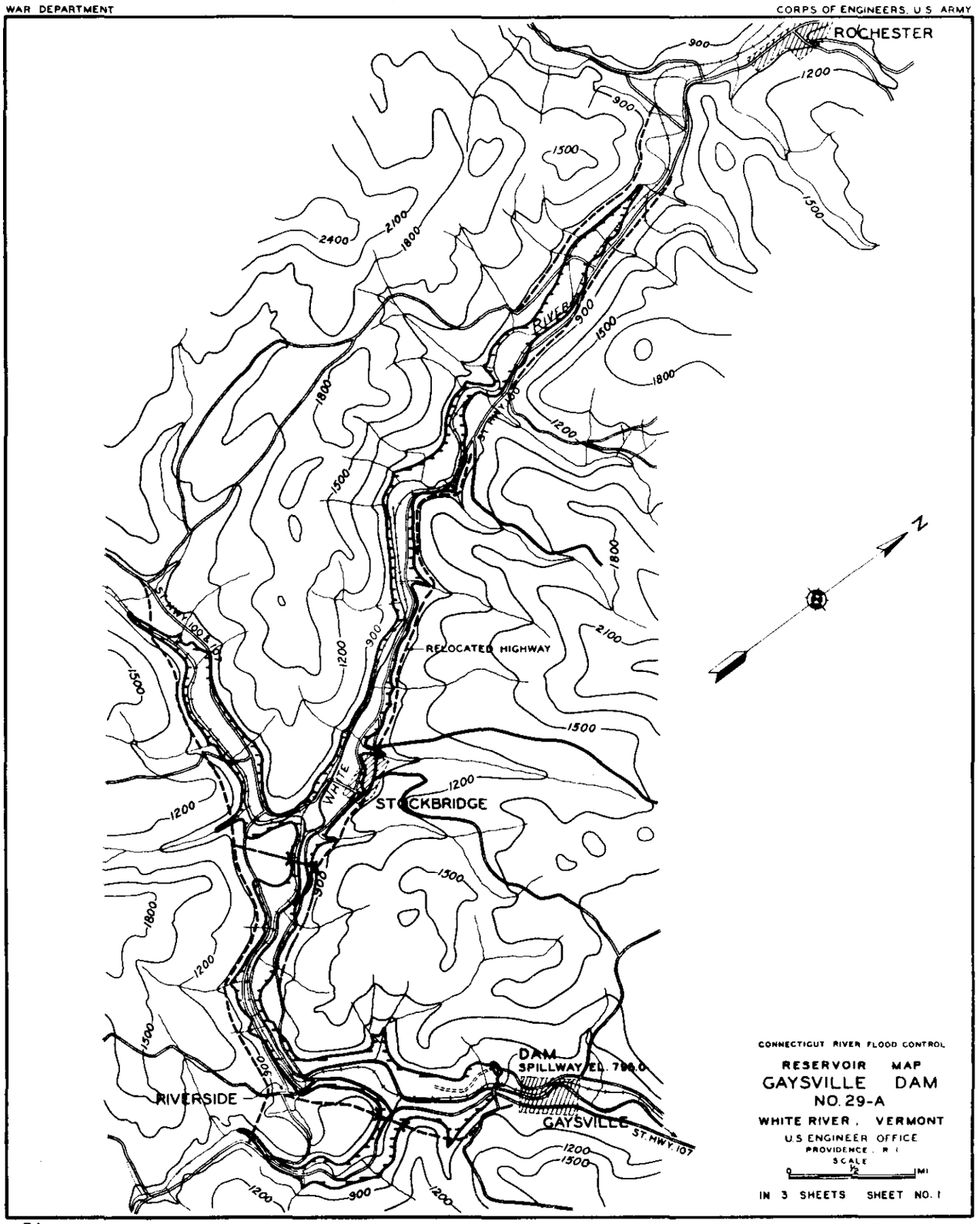
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

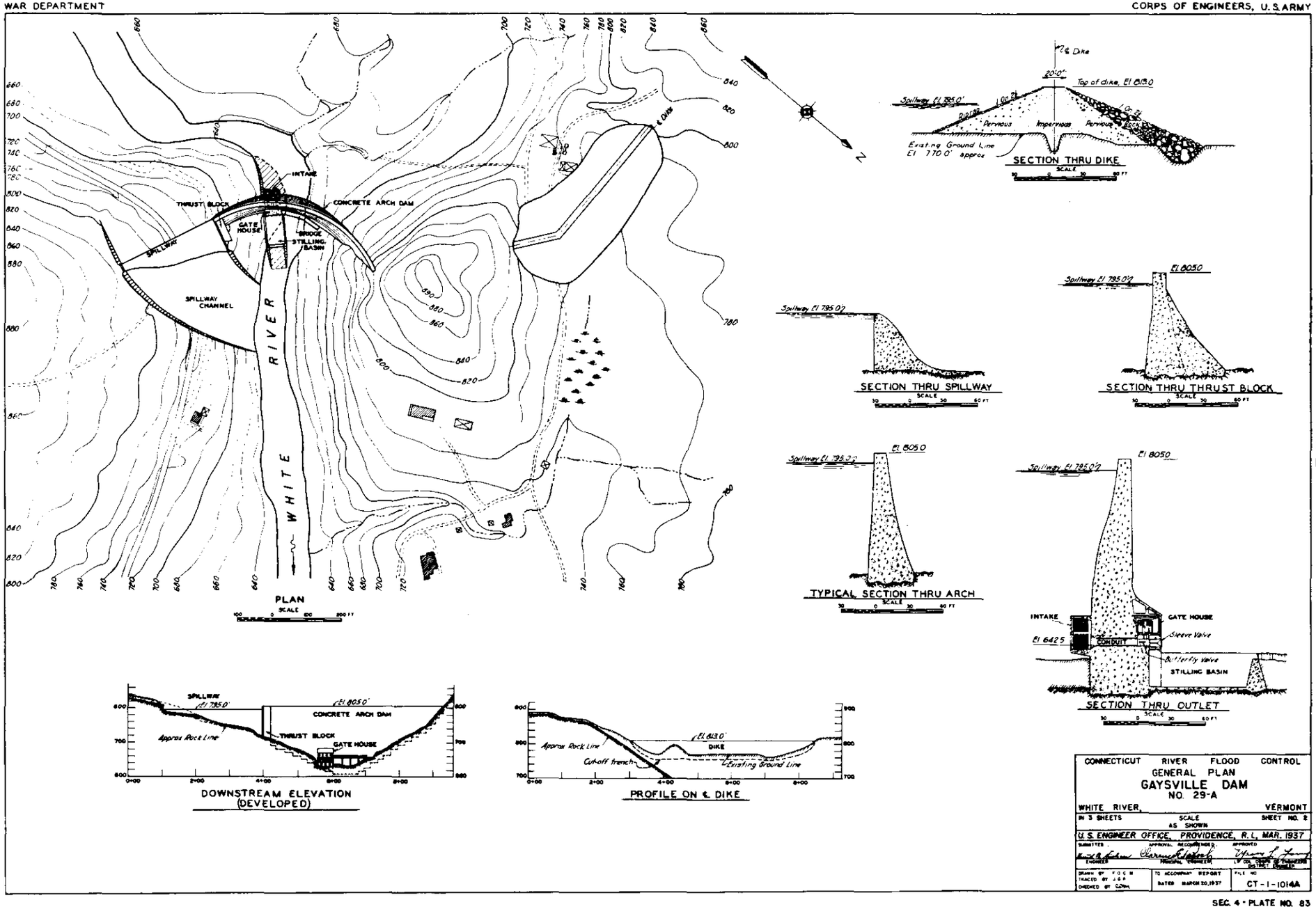
SUBMITTED: GEOLOGIST — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: CHIEF ENGINEER

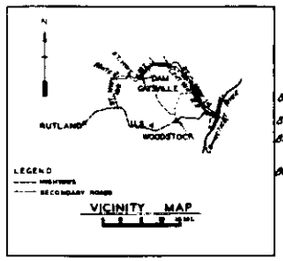
DRAWN BY: D.H. TRACED BY: J.C. CHECKED BY: J.H.B.

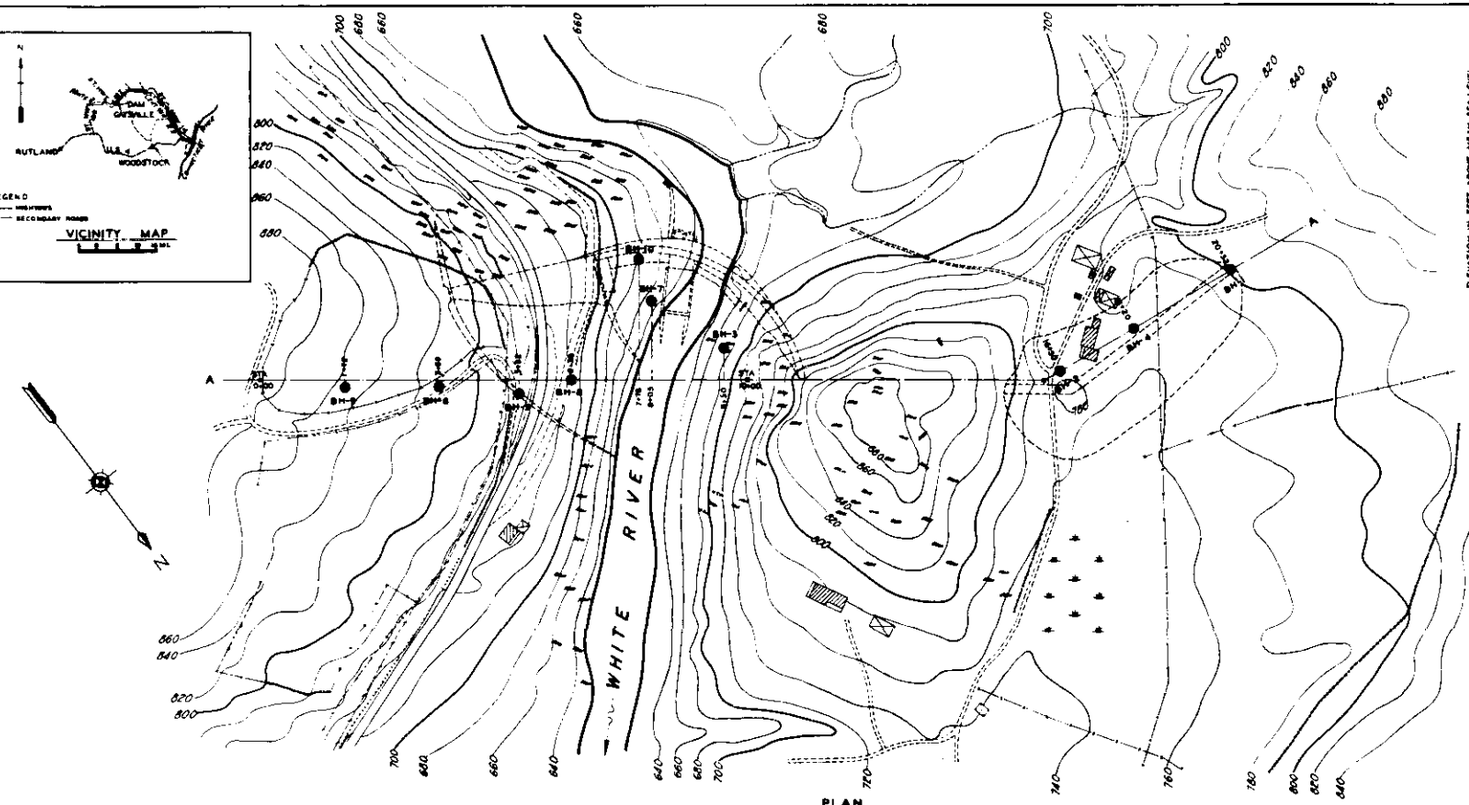
TO ACCOMPANY REPORT DATED MARCH 20, 1937

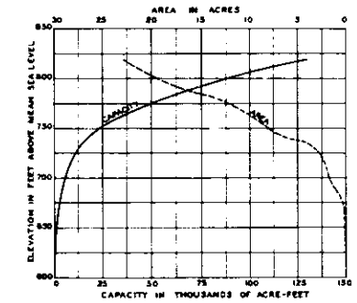
FILE NO. CT-2-1005A


ROCHESTER
RIVER
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
0 1/2 MI
IN 3 SHEETS SHEET NO. 1


PLAN
SCALE
INTAKE
THRUST BLOCK
CONCRETE ARCH DAM
GATE HOUSE
BRIDGE
STILLING BASIN
SPILLWAY
SPILLWAY CHANNEL
WHITE RIVER
℄ Dike
N
SECTION THRU DIKE
Top of dike, El 813.0
Spillway El 785.0'
Pervious
Impervious
Existing Ground Line
El 770.0' approx
SECTION THRU SPILLWAY
SECTION THRU THRUST BLOCK
El 805.0
TYPICAL SECTION THRU ARCH
SECTION THRU OUTLET
GATE HOUSE
Sleeve Valve
CONDUIT
Butterfly Valve
STILLING BASIN
El 642.5
DOWNSTREAM ELEVATION
(DEVELOPED)
Approx Rock Line
PROFILE ON ℄ DIKE
Cut-off trench
Existing Ground Line
DIKE
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
GAYSVILLE DAM
NO. 29-A
WHITE RIVER, VERMONT
IN 3 SHEETS
SCALE AS SHOWN
SHEET NO. 2
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED
APPROVAL RECOMMENDED
APPROVED
ENGINEER
PRINCIPAL ENGINEER
DISTRICT ENGINEER
DRAWN BY
TRACED BY
CHECKED BY
TO ACCOMPANY REPORT
DATED MARCH 20, 1937
FILE NO.
CT-1-1014A



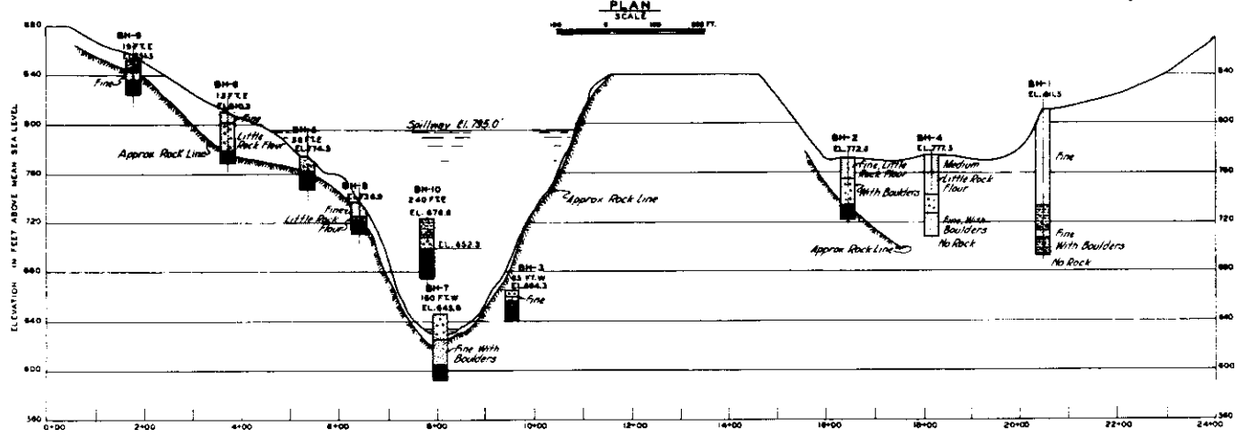




AREA AND CAPACITY CURVES

NOTE:

CONCRETE AGGREGATE AVAILABLE WITHIN 0.3 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

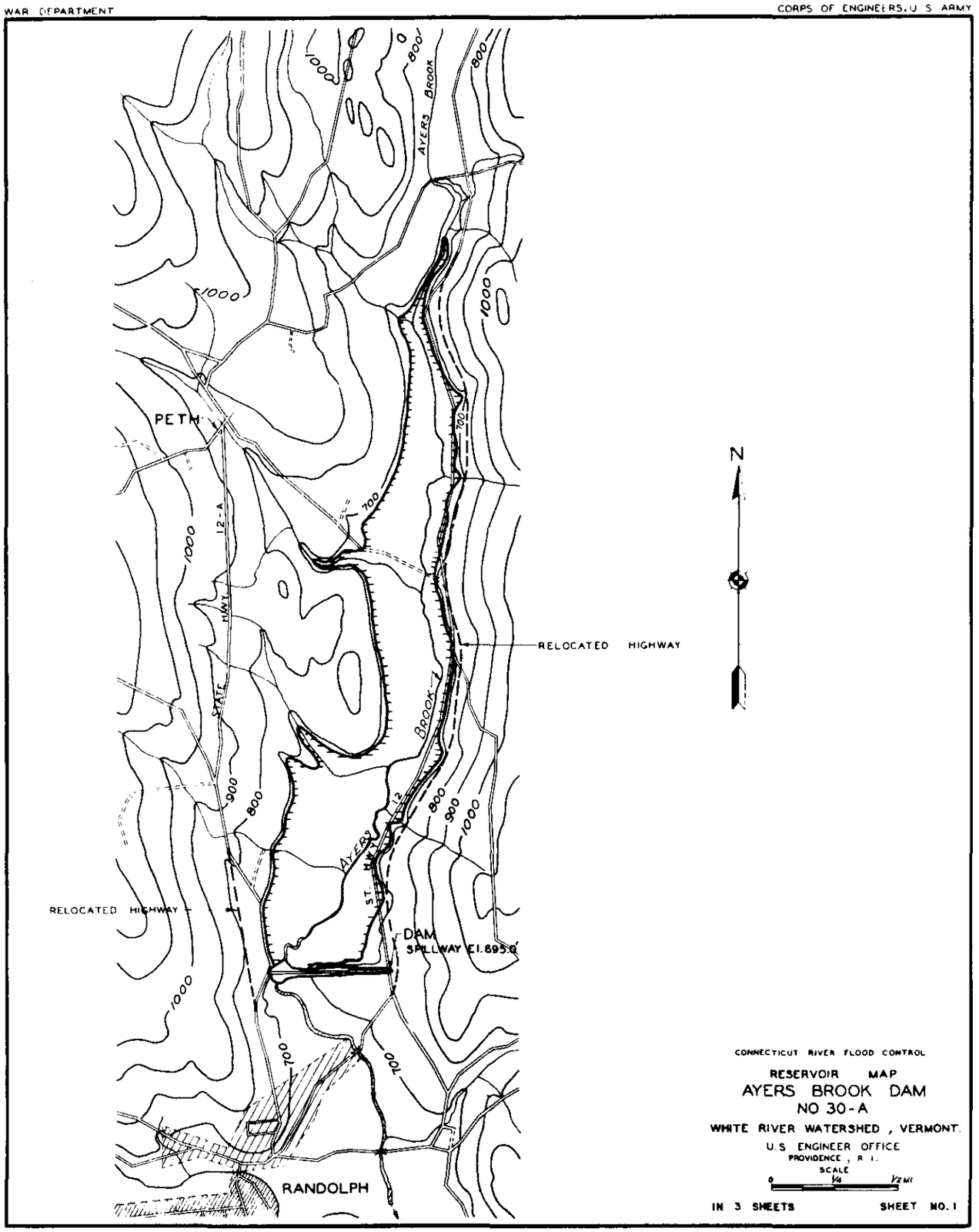
SUBMITTED: SECTION CHIEF | RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: CORPS OF ENGINEERS, DISTRICT ENGINEER

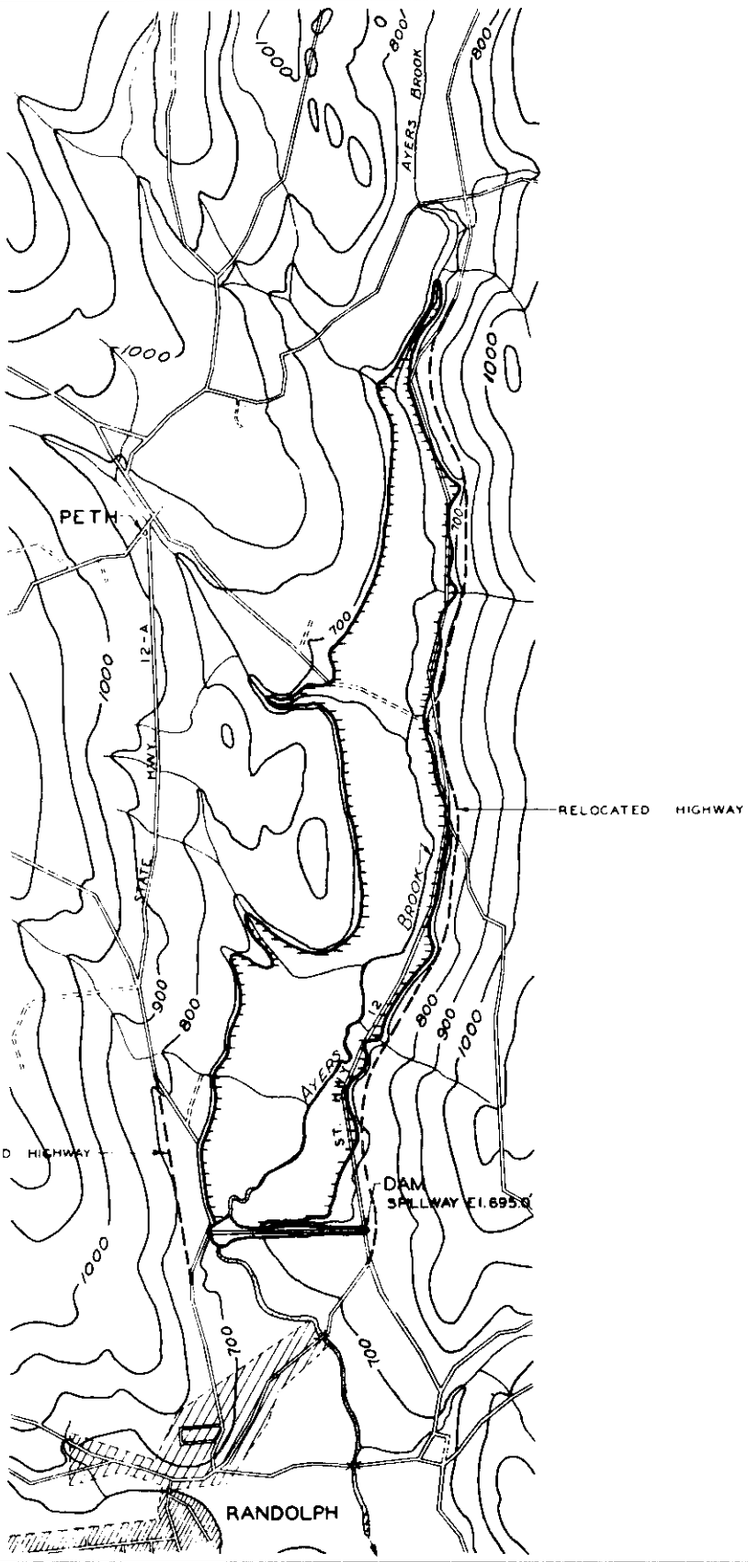
DRAWN BY O.F. TRACED BY A.S.P. CHECKED BY J.W.S.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-2-1006A

SEC. 4 - PLATE NO. 84


AYERS BROOK
PETH
STATE HWY 12-A
RELOCATED HIGHWAY
RELOCATED HIGHWAY
AYERS BROOK
ST. HWY 12
DAM
SPILLWAY EL 695.0'
RANDOLPH
N
1000
900
800
700
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



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

AYERS BROOK DAM

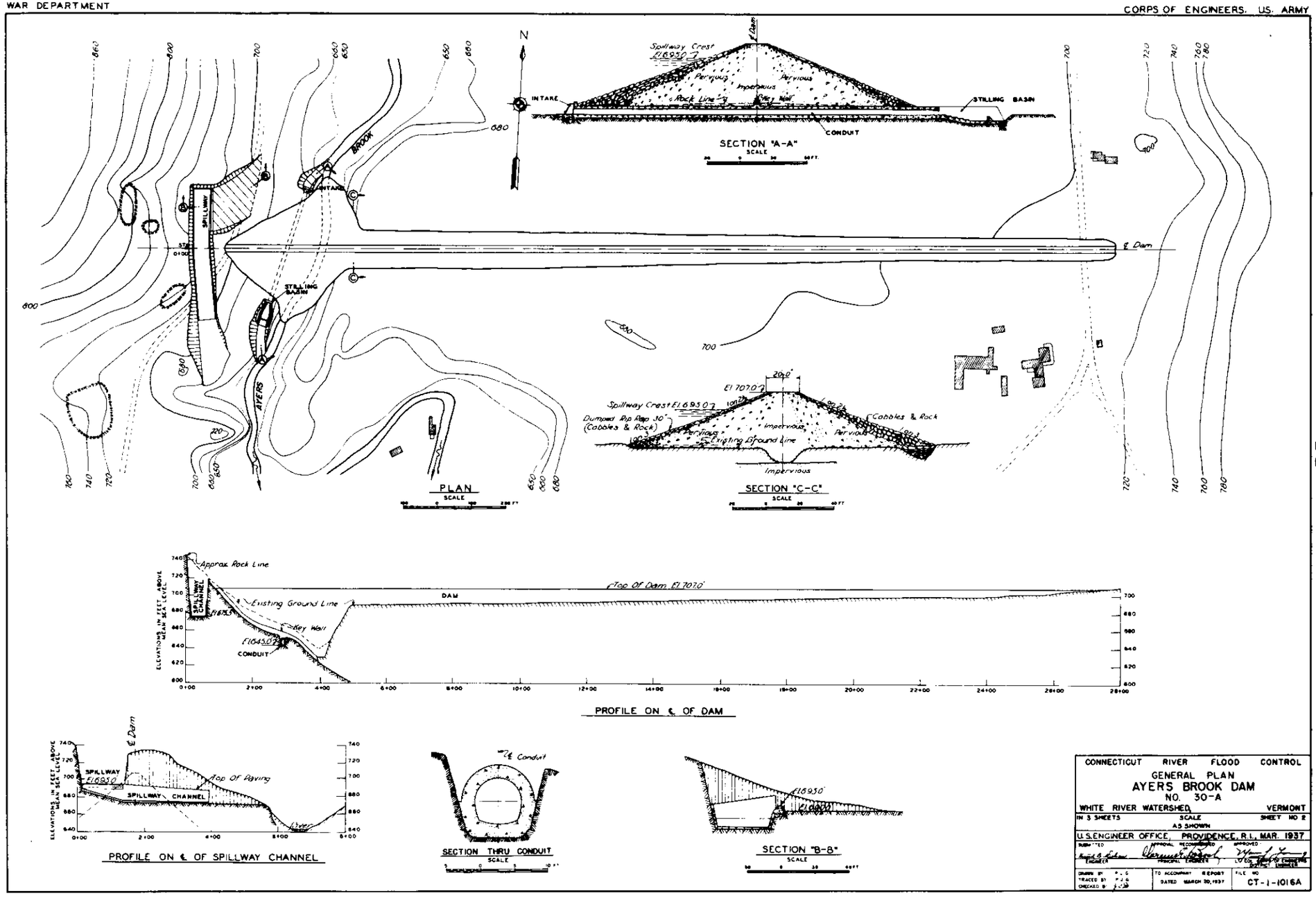
NO 30-A

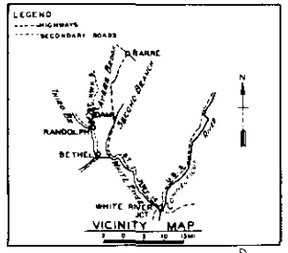
WHITE RIVER WATERSHED, VERMONT.

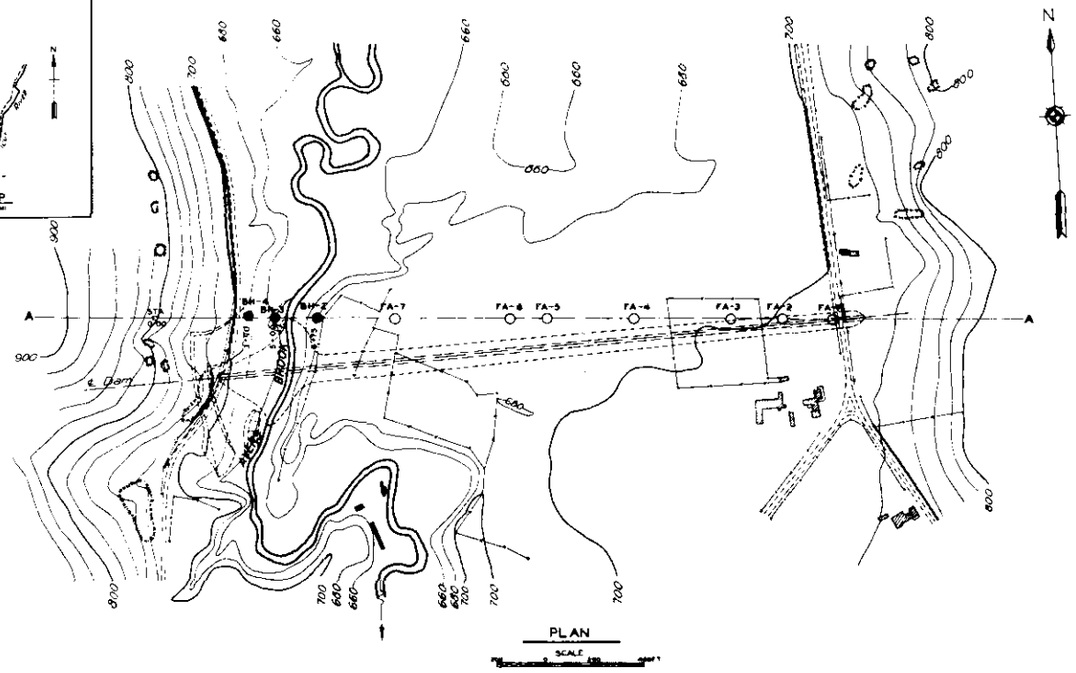
U.S. ENGINEER OFFICE
PROVIDENCE, R. I.

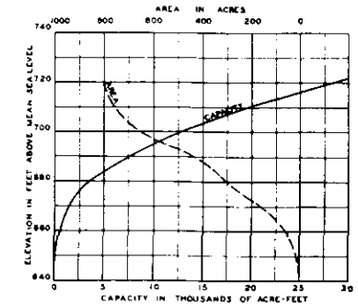
SCALE
0 1/4 1/2 MI

IN 3 SHEETS SHEET NO. 1

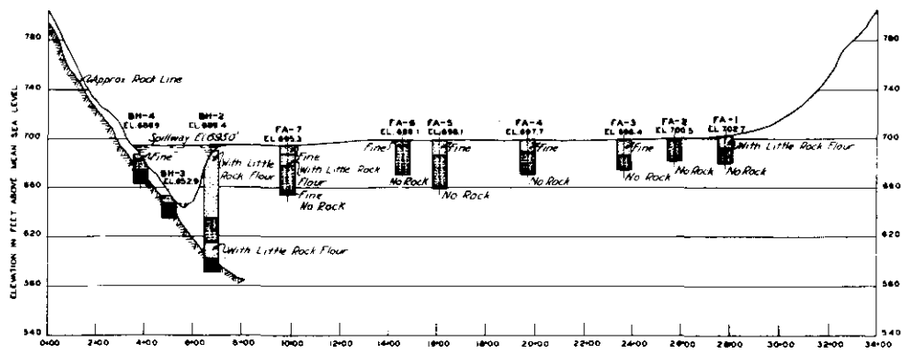

SECTION "A-A"
SCALE
Spillway Crest
El 695.0
Pervious
Impervious
Rock Line
Key Wall
INTAKE
STILLING BASIN
CONDUIT
PLAN
SCALE
BROOK
AYERS
SPILLWAY
STILLING BASIN
INTAKE
℄ Dam
SECTION "C-C"
SCALE
El 707.0
20.0'
Spillway Crest El 695.0
Dumped Rip Rap 30"
(Cobbles & Rock)
Cobbles & Rock
Pervious
Impervious
Existing Ground Line
PROFILE ON ℄ OF DAM
Approx Rock Line
Top Of Dam El 707.0'
DAM
SPILLWAY CHANNEL
Existing Ground Line
Key Wall
El 645.0
CONDUIT
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
PROFILE ON ℄ OF SPILLWAY CHANNEL
℄ Dam
SPILLWAY
El 695.0
Top Of Paving
SPILLWAY CHANNEL
River
SECTION THRU CONDUIT
SCALE
℄ Conduit
SECTION "B-B"
SCALE
El 695.0'
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
DIVISION ENGINEER
DRAWN BY
TRACED BY
CHECKED BY
TO ACCOMPANY REPORT
DATED MARCH 20, 1937
FILE NO
CT-1-1016A







AREA AND CAPACITY CURVES



PROFILE ON LINE "A-A"

LEGEND

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

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

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY
AYERS BROOK DAM
NO. 30-A

WHITE RIVER WATERSHED VERMONT

IN 3 SHEETS SCALE SHEET NO 3
AS SHOWN

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

SUBMITTED: GEOLOGIST
APPROVAL RECOMMENDED: PRINCIPAL ENGINEER
APPROVED: JT. COMMANDER OF CORPS DISTRICT ENGINEER

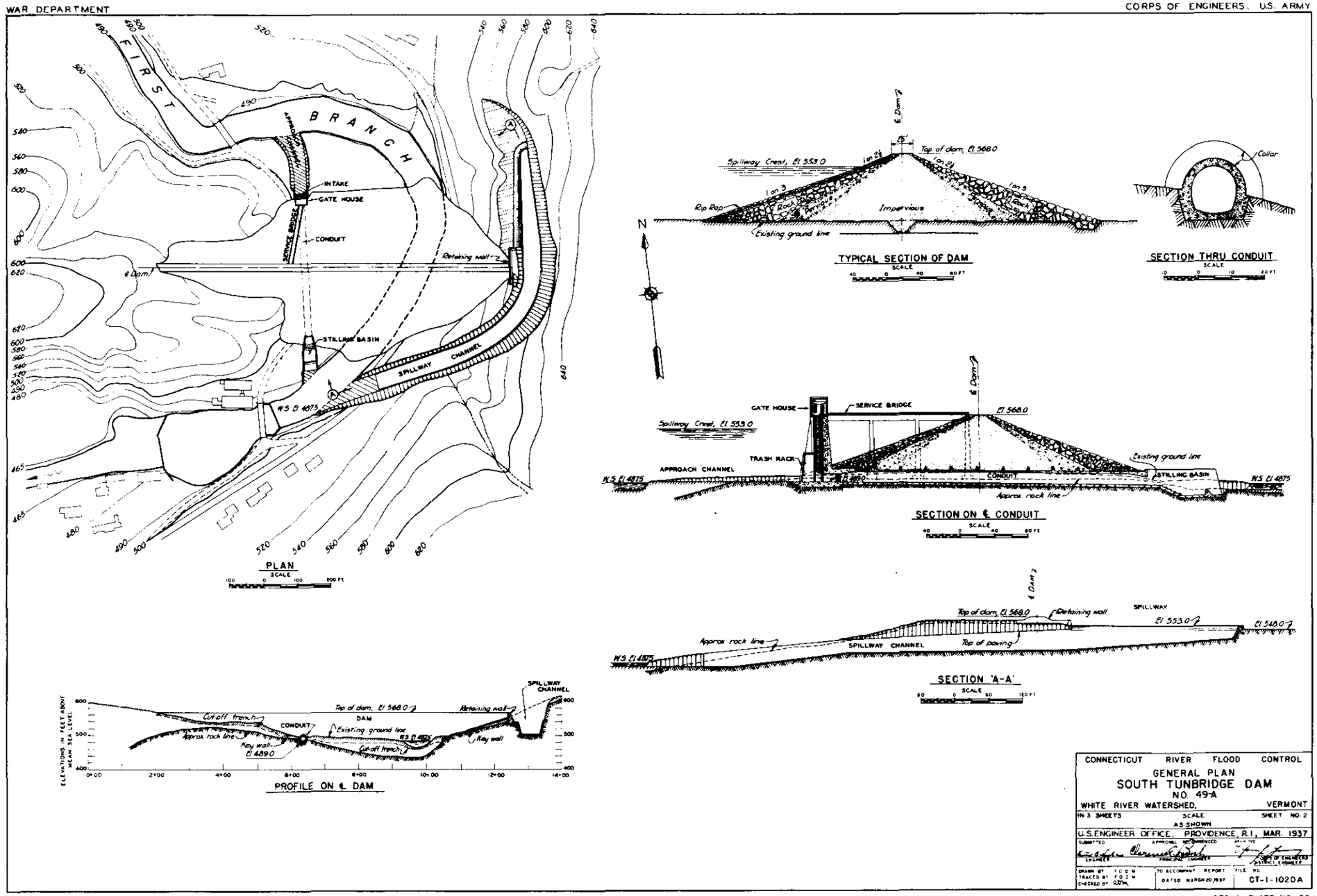
DRAWN BY D.P.
TRACED BY R.J.G.
CHECKED BY J.M.B.

TO ACCOMPANY REPORT DATED MARCH 30, 1937

FILE NO. CT-2-1007A

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY



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: CORPS OF ENGINEERS, DISTRICT ENGINEER

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

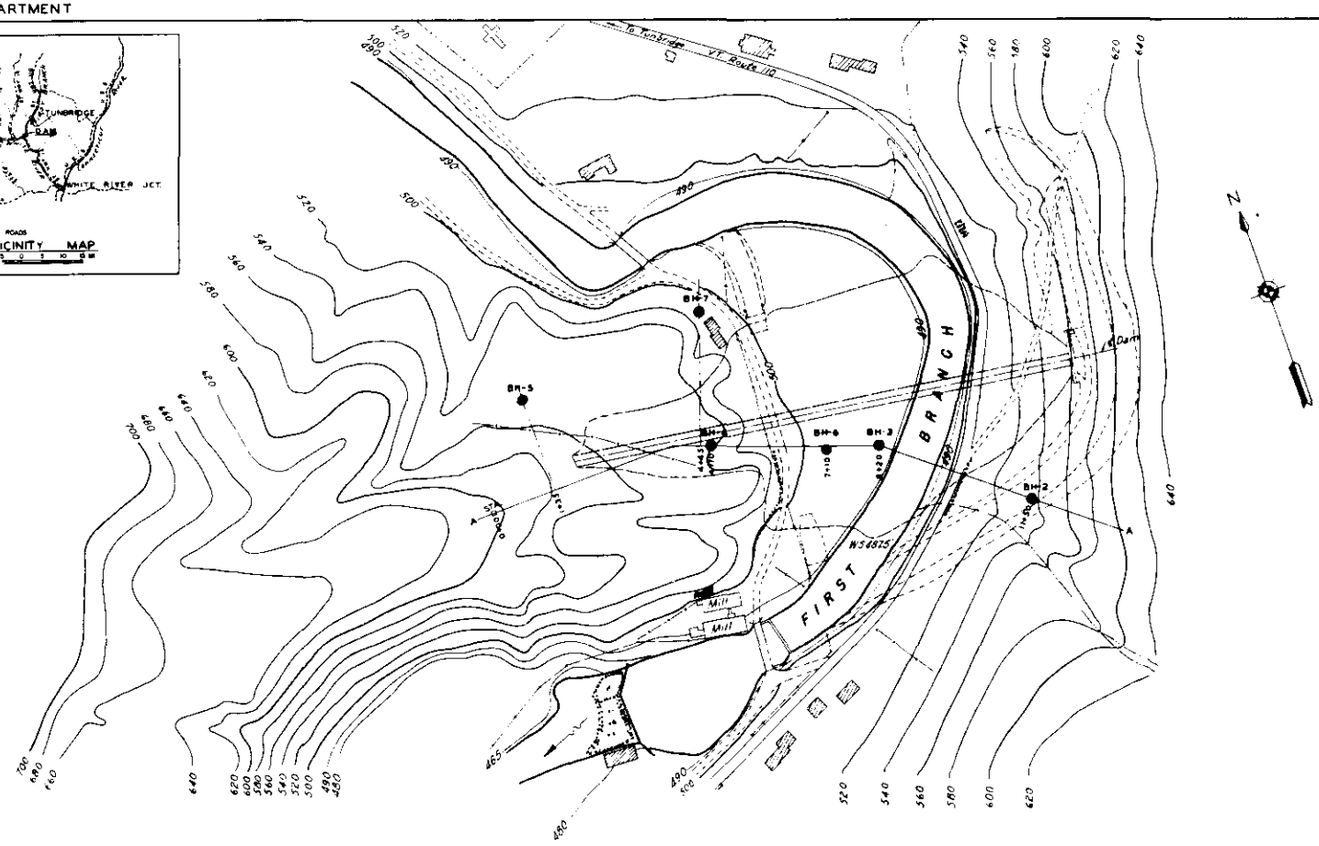
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-1-1020A

SEC. 4 - PLATE NO. 89

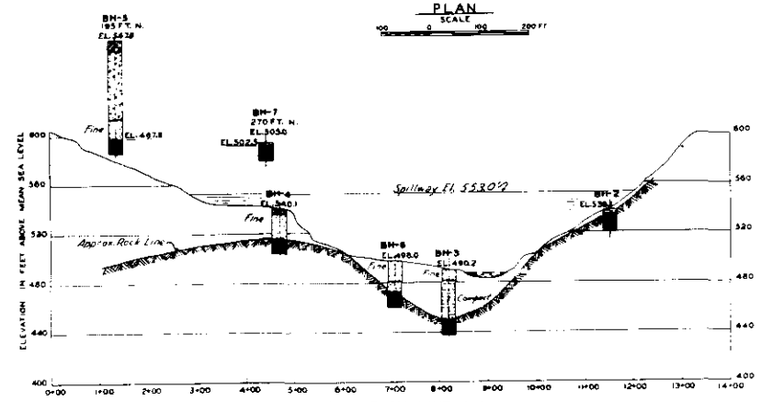
WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

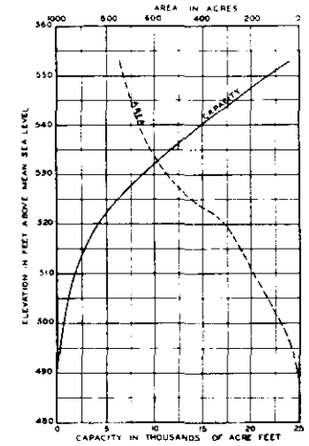


PLAN

SCALE



PROFILE ON LINE "A-A"



AREA AND CAPACITY CURVES

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

LEGEND

SAND — SILT OR ROCK FLOUR — CLAY

GRAVEL — METAMORPHIC ROCK — WEATHERED OR FRACTURED ROCK

ROCK OUT-CROP

BH = CORE BORE HOLE

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

SOUTH TUNBRIDGE DAM

NO 49-A

WHITE RIVER WATERSHED, VERMONT

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

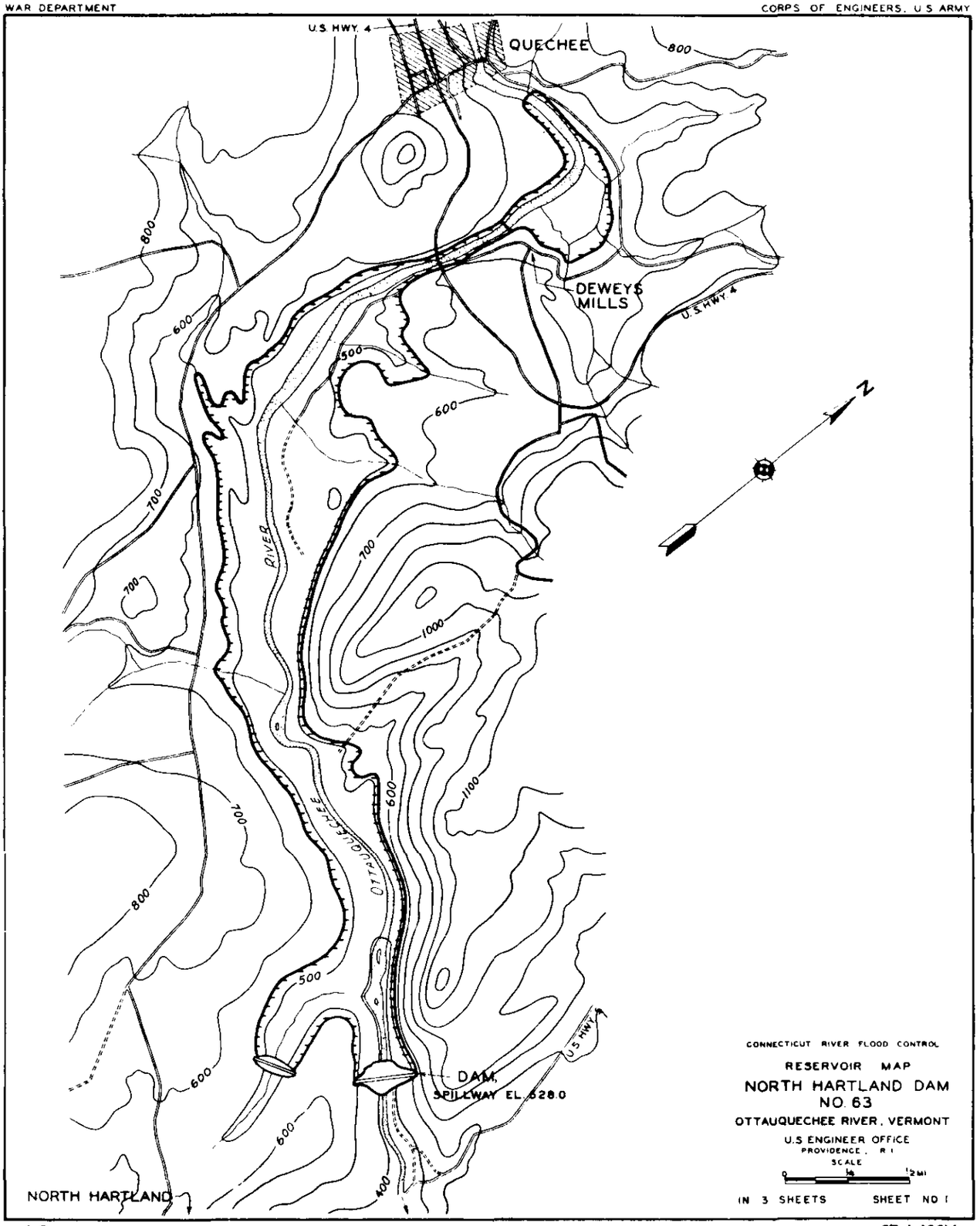
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

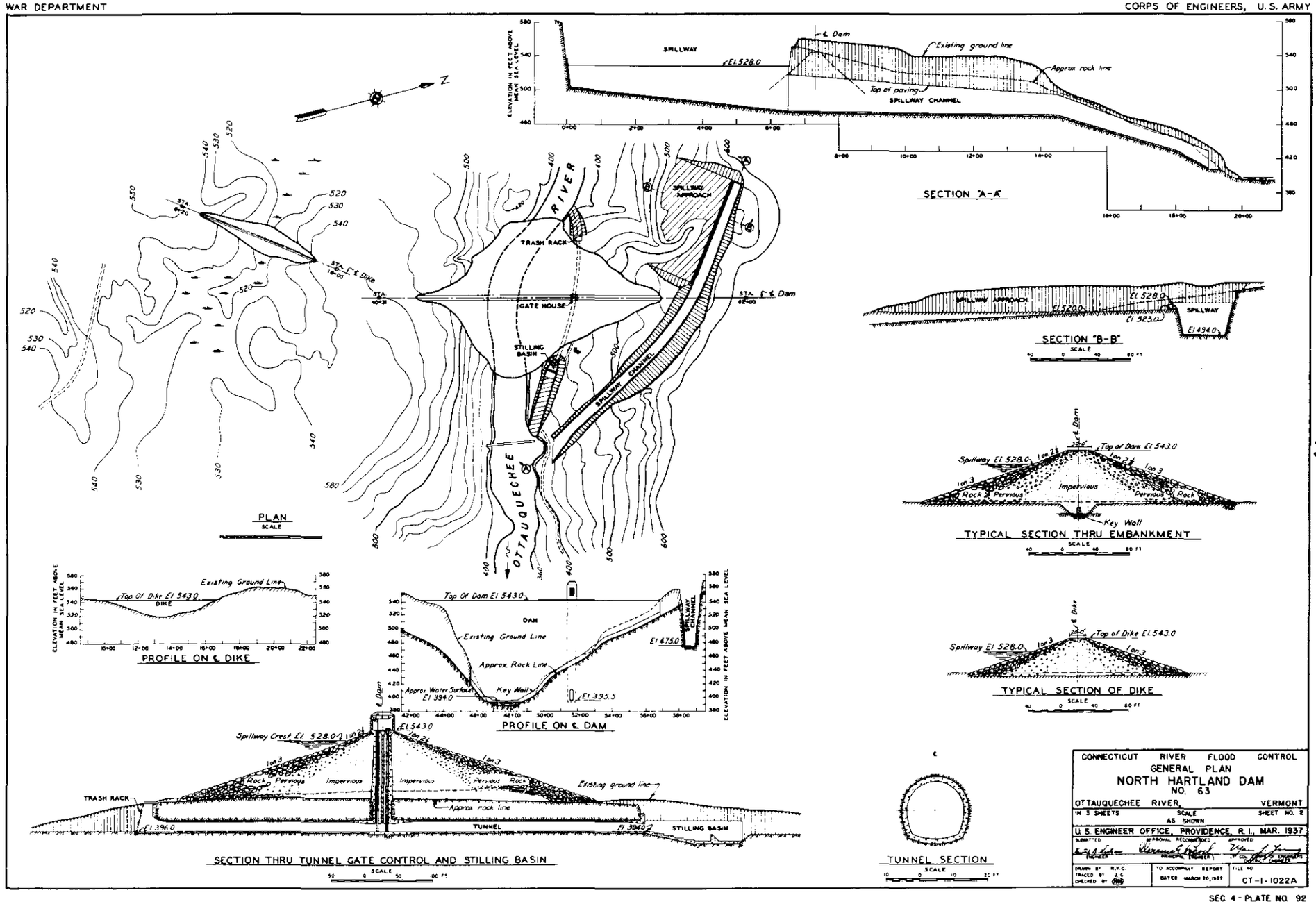
SUBMITTED — APPROVAL RECOMMENDED — APPROVED

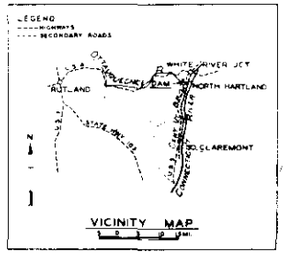
GEOLOGIST — PRINCIPAL ENGINEER — LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

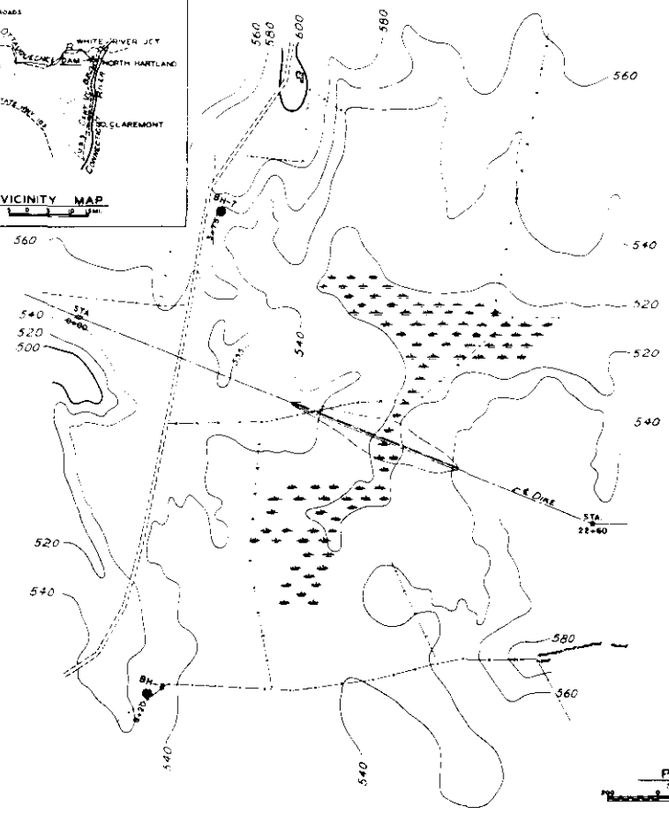
DRAWN BY — TRACED BY — CHECKED BY — TO ACCOMPANY REPORT DATED MARCH 20/1937 — FILE NO. CT-2-1009A

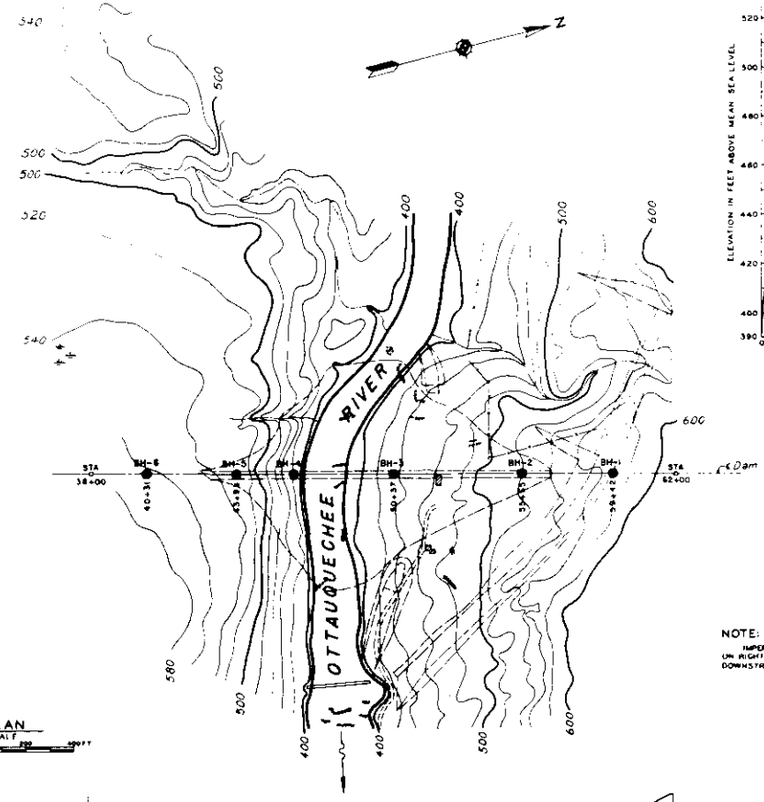
SEC 4 - PLATE NO. 90


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

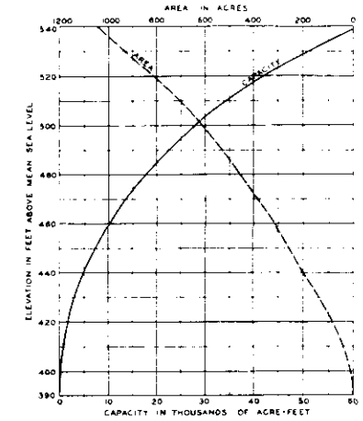

SECTION "A-A"
SPILLWAY
El 528.0
℄ Dam
Existing ground line
Approx rock line
Top of paving
SPILLWAY CHANNEL
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
SECTION "B-B"
SPILLWAY APPROACH
El 520.0
El 523.0
El 494.0
SCALE
PLAN
SCALE
RIVER
OTTAUQUECHEE
TRASH RACK
GATE HOUSE
STILLING BASIN
SPILLWAY CHANNEL
SPILLWAY APPROACH
STA. ℄ Dike
STA. ℄ Dam
TYPICAL SECTION THRU EMBANKMENT
Spillway El 528.0
Top of Dam El 543.0
Impervious
Rock & Pervious
Pervious
Rock
Key Wall
TYPICAL SECTION OF DIKE
Top of Dike El 543.0
PROFILE ON ℄ DIKE
Top Of Dike El 543.0
Existing Ground Line
DIKE
PROFILE ON ℄ DAM
Top Of Dam El 543.0
DAM
Existing Ground Line
Approx. Rock Line
Approx. Water Surface El 394.0
Key Wall
El 395.5
El 475.0
SPILLWAY CHANNEL
SECTION THRU TUNNEL GATE CONTROL AND STILLING BASIN
Spillway Crest El 528.0
El 543.0
TRASH RACK
Rock
Pervious
Impervious
Existing ground line
Approx rock line
El 396.0
TUNNEL
El 394.0
STILLING BASIN
TUNNEL SECTION
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
APPROVAL RECOMMENDED
APPROVED
DRAWN BY R.V.C.
TRACED BY J.C.
CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 30, 1937
FILE NO
CT-1-1022A





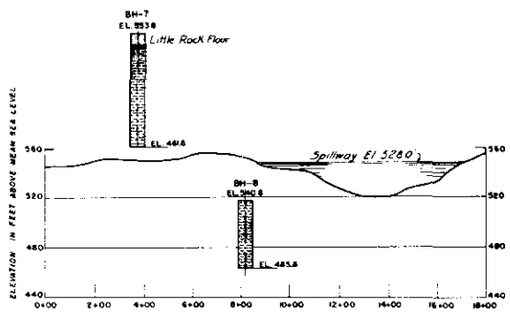


PLAN
SCALE

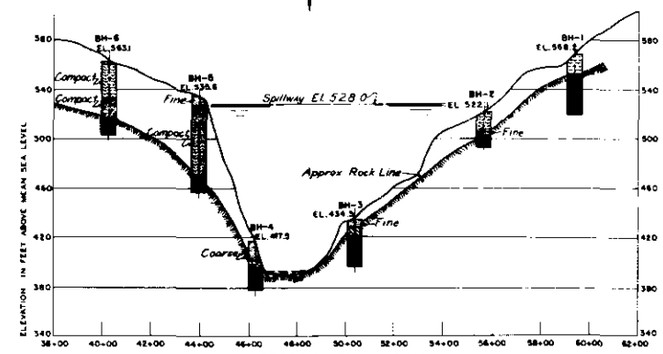


AREA AND CAPACITY CURVES

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

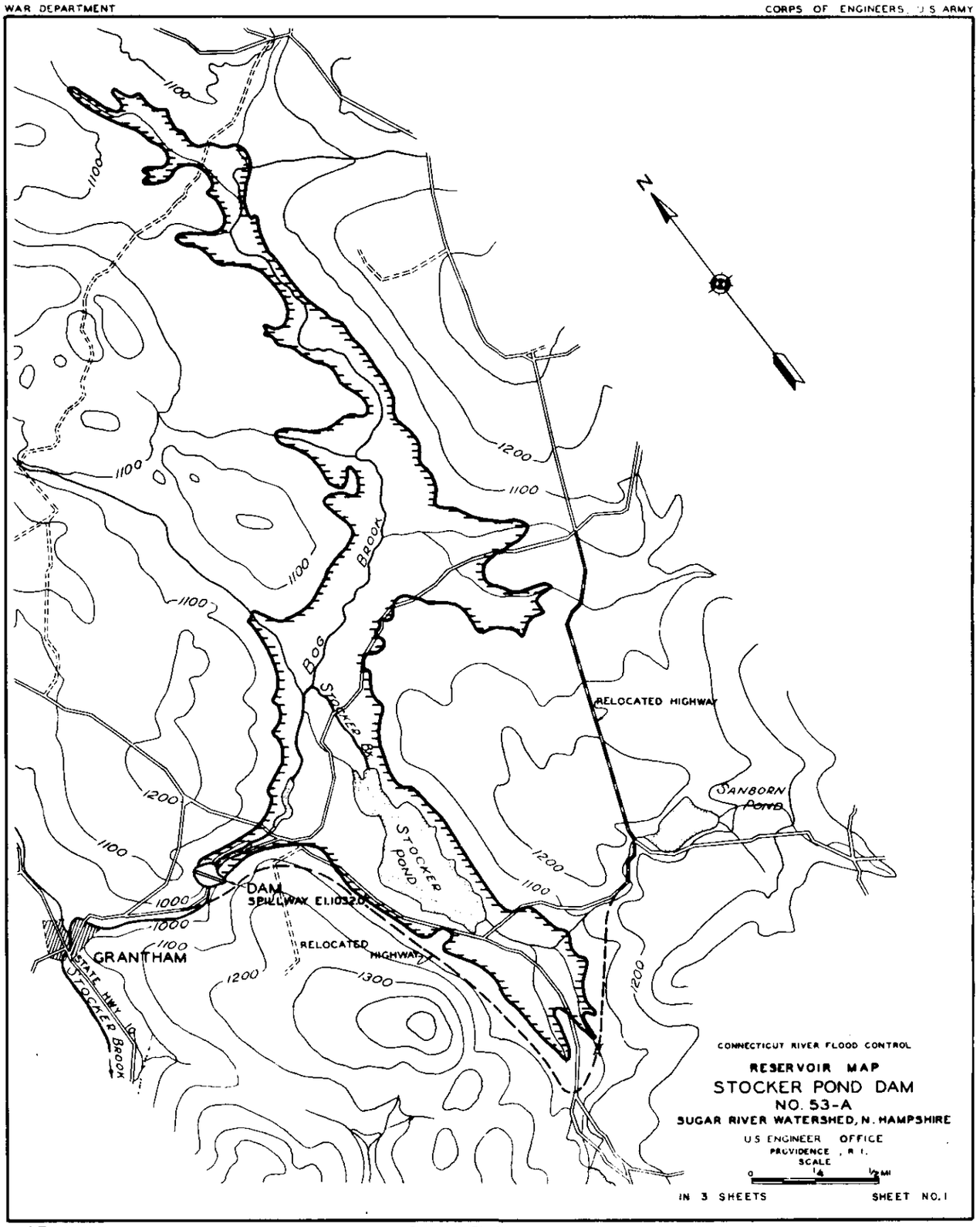
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR 1937

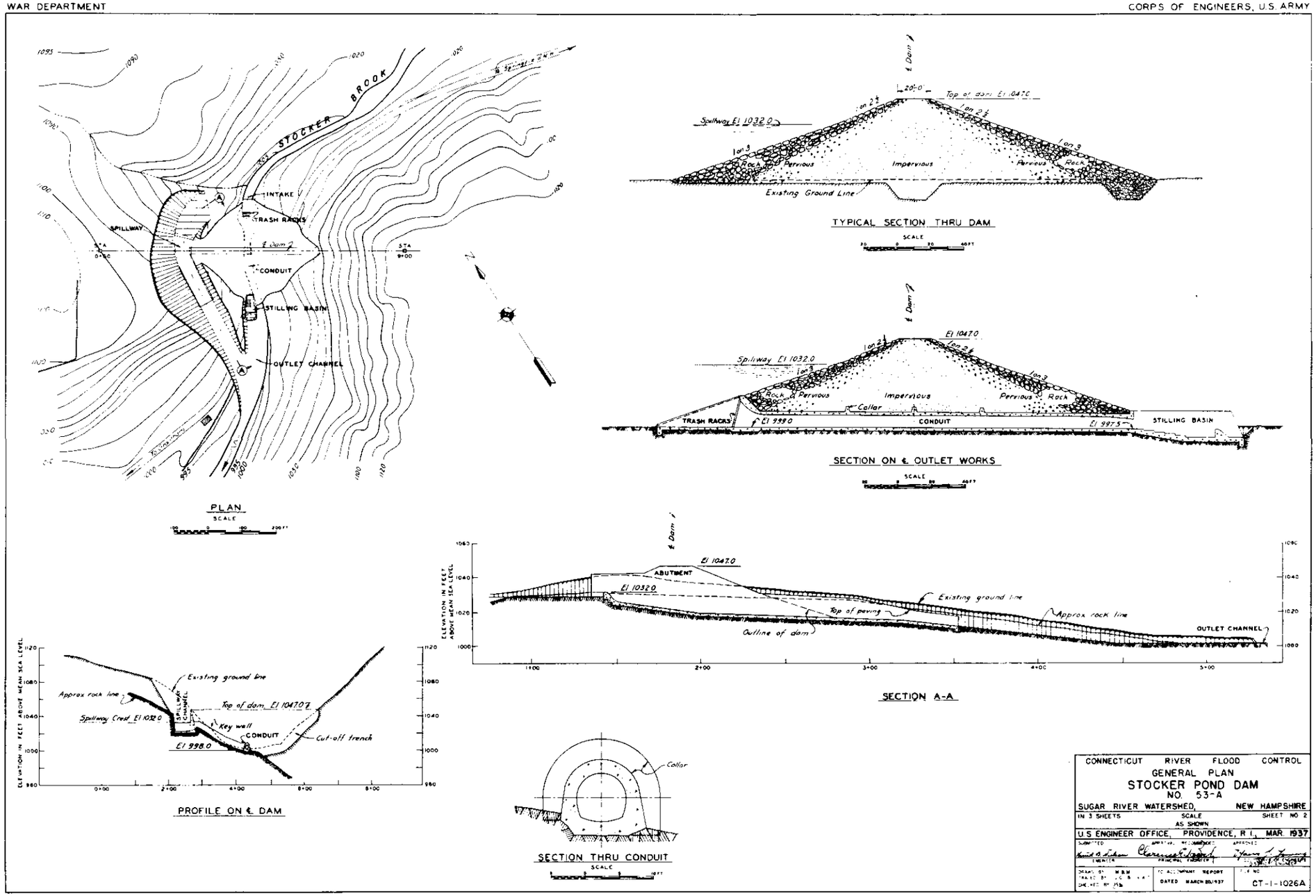
SUBMITTED — GEOLOGIST — APPROVAL RECOMMENDED — PRINCIPAL ENGINEER — APPROVED — LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

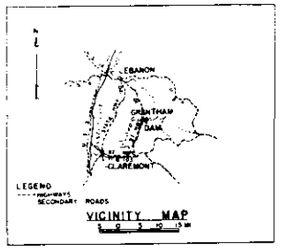
DRAWN BY B.F. TRACED BY J.C. CHECKED BY J.W.B.

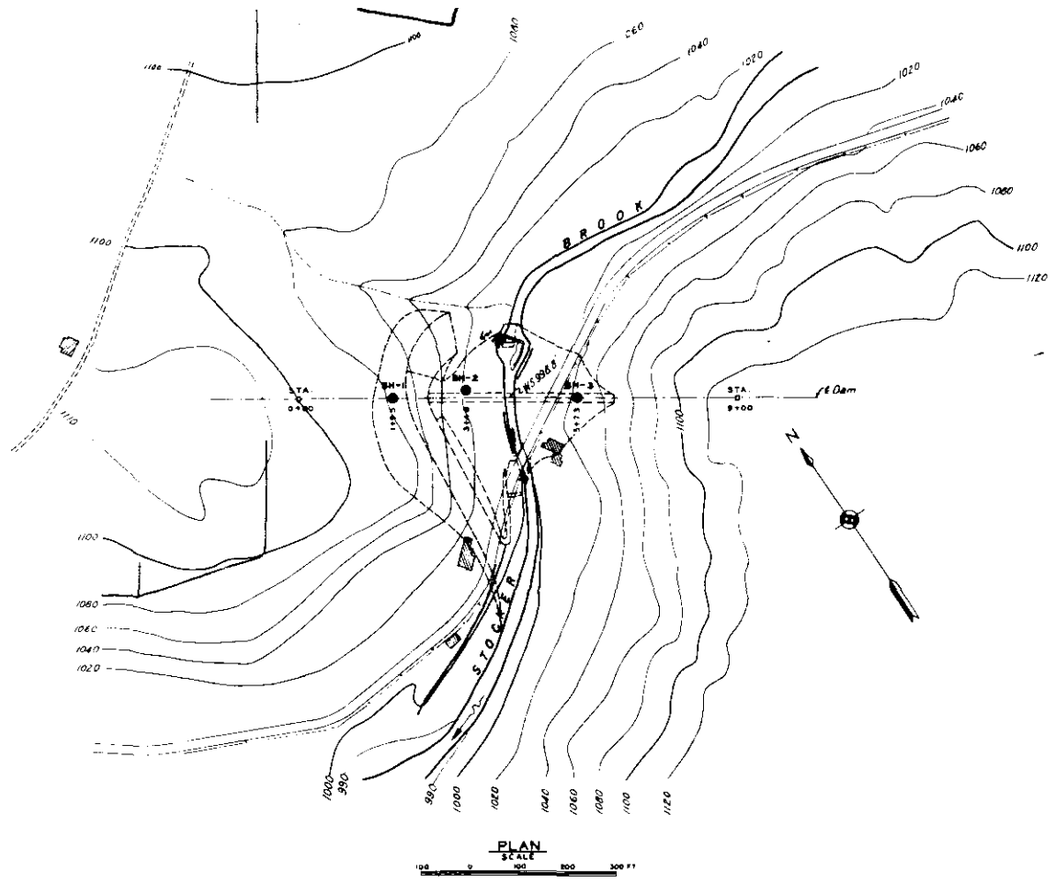
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-2-1010A

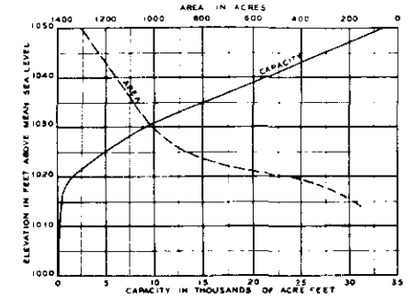

N
1100
1200
1000
1300
BOG BROOK
STOCKER BK.
STOCKER POND
RELOCATED HIGHWAY
JANBORN POND
DAM
SPILLWAY EL.1032.0
RELOCATED HIGHWAY
GRANTHAM
STATE HWY. 10
STOCKER BROOK
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
STOCKER POND DAM
NO. 53-A
SUGAR RIVER WATERSHED, N. HAMPSHIRE
U.S. ENGINEER OFFICE
PROVIDENCE, 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

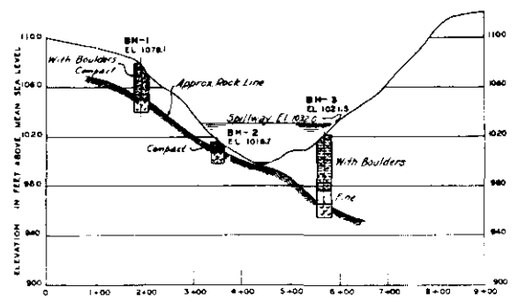




PLAN
SCALE



AREA AND CAPACITY CURVES



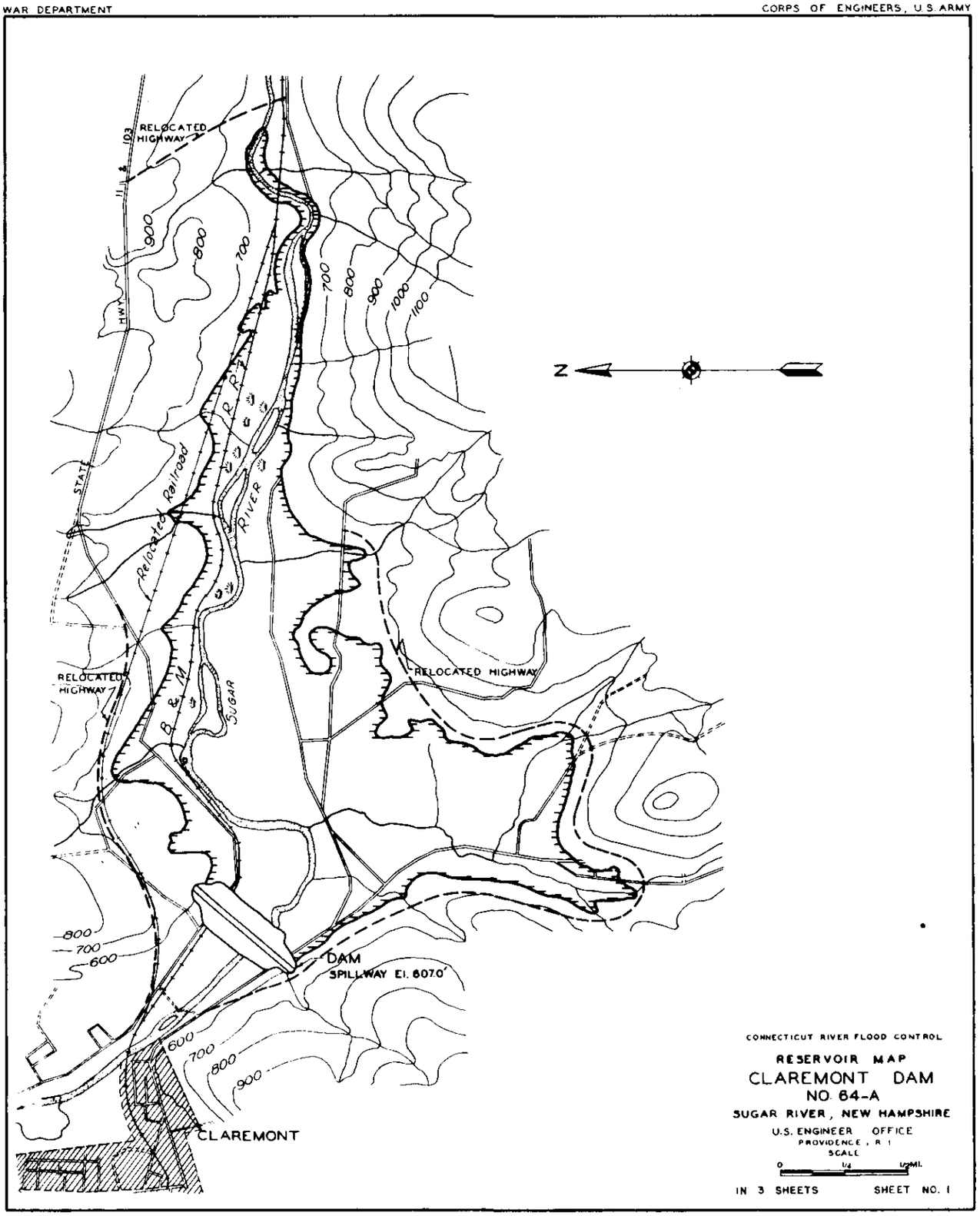
PROFILE ON ℄ DAM

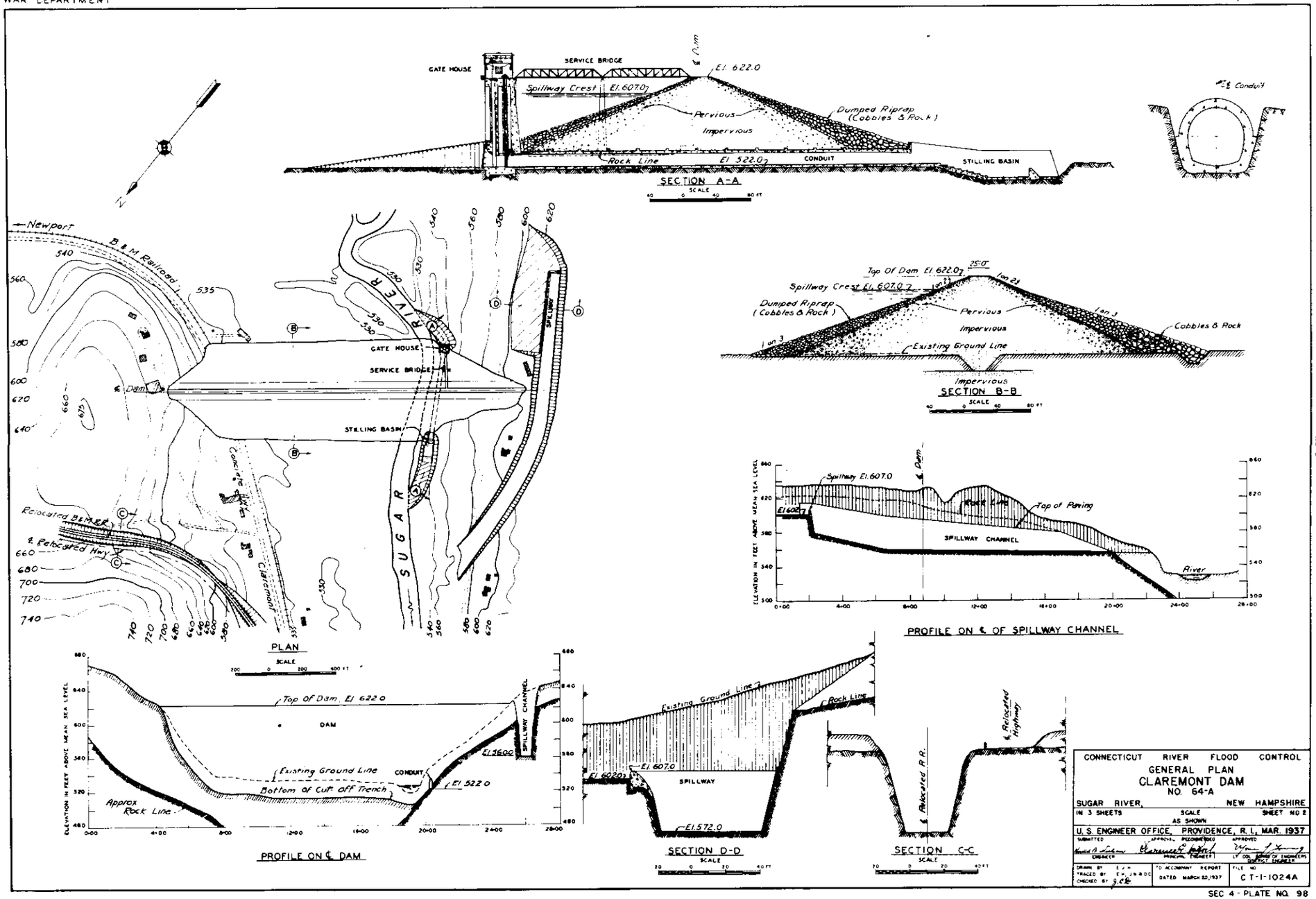
LEGEND

SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
METAMORPHIC ROCK
WEATHERED OR FRACTURED ROCK
GRANITE
ROCK OUT-CROP
BM 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
SH 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 Q.R. TRACED BY V.A.C. CHECKED BY J.W.B.	TO ACCOMPANY REPORT DATED MARCH 1937	FILE NO CT-2-1012A

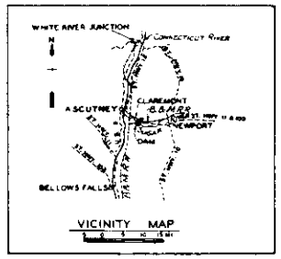

RELOCATED HIGHWAY
11 & 103
STATE HWY
900
800
700
700
800
900
1000
1100
N
R R
Relocated Railroad
RIVER
B & M
SUGAR
RELOCATED HIGHWAY
RELOCATED HIGHWAY
800
700
600
DAM
SPILLWAY El. 607.0'
600
700
800
900
CLAREMONT
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
CLAREMONT DAM
NO. 64-A
SUGAR RIVER, NEW HAMPSHIRE
U.S. ENGINEER OFFICE
PROVIDENCE, R. I.
SCALE
0 1/4 1/2 MI.
IN 3 SHEETS
SHEET NO. 1



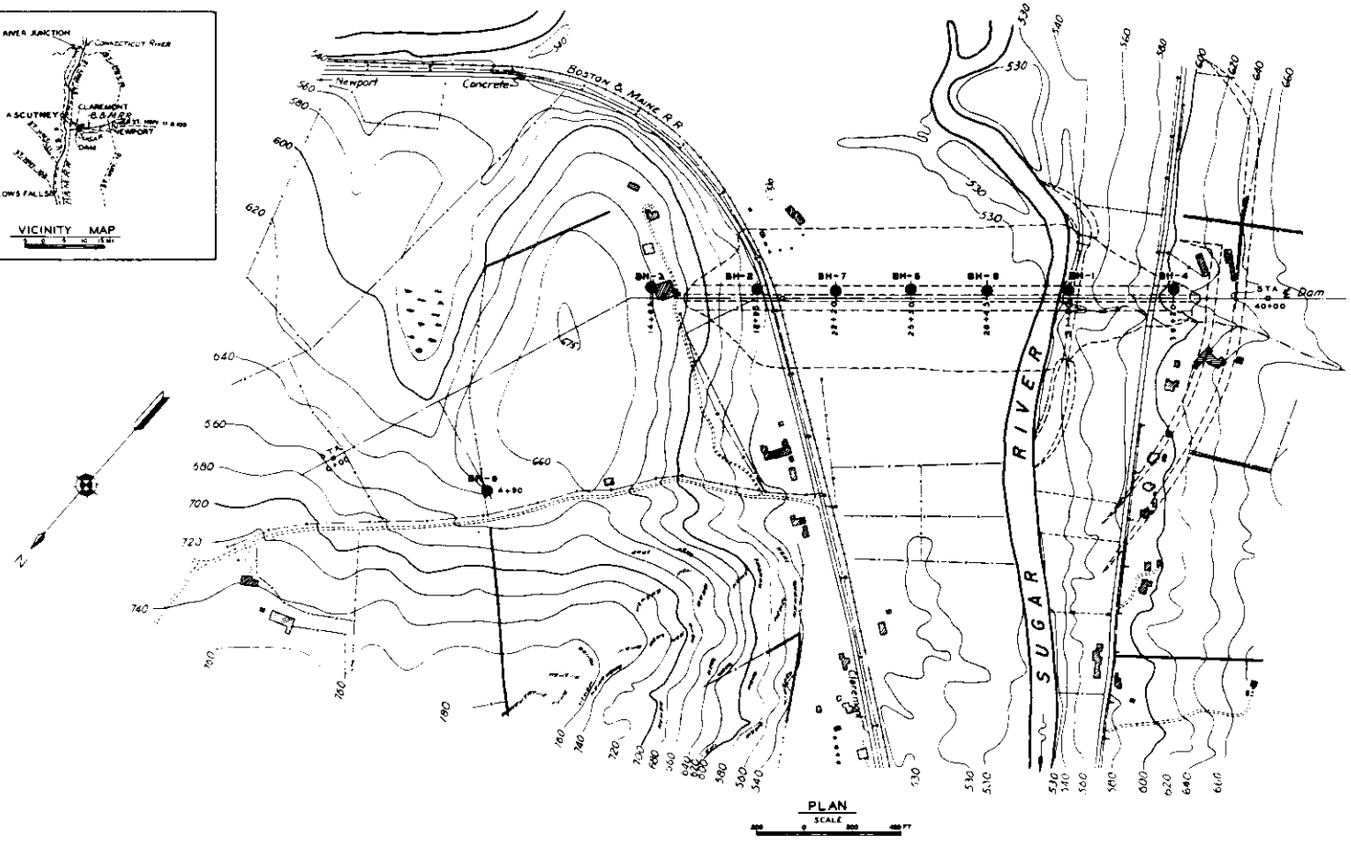
SEC 4 - PLATE NO. 98

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY

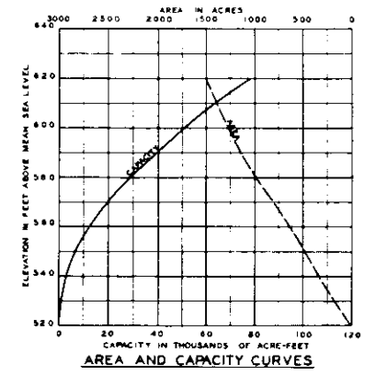


VICINITY MAP



PLAN

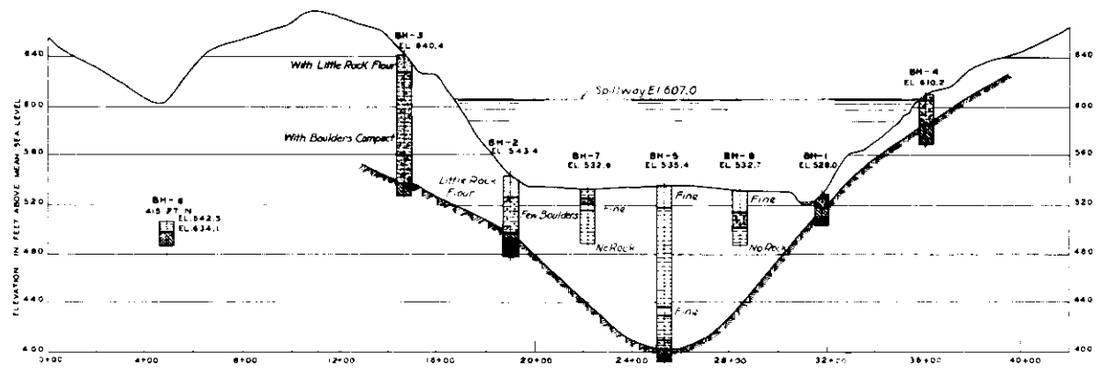
SCALE



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

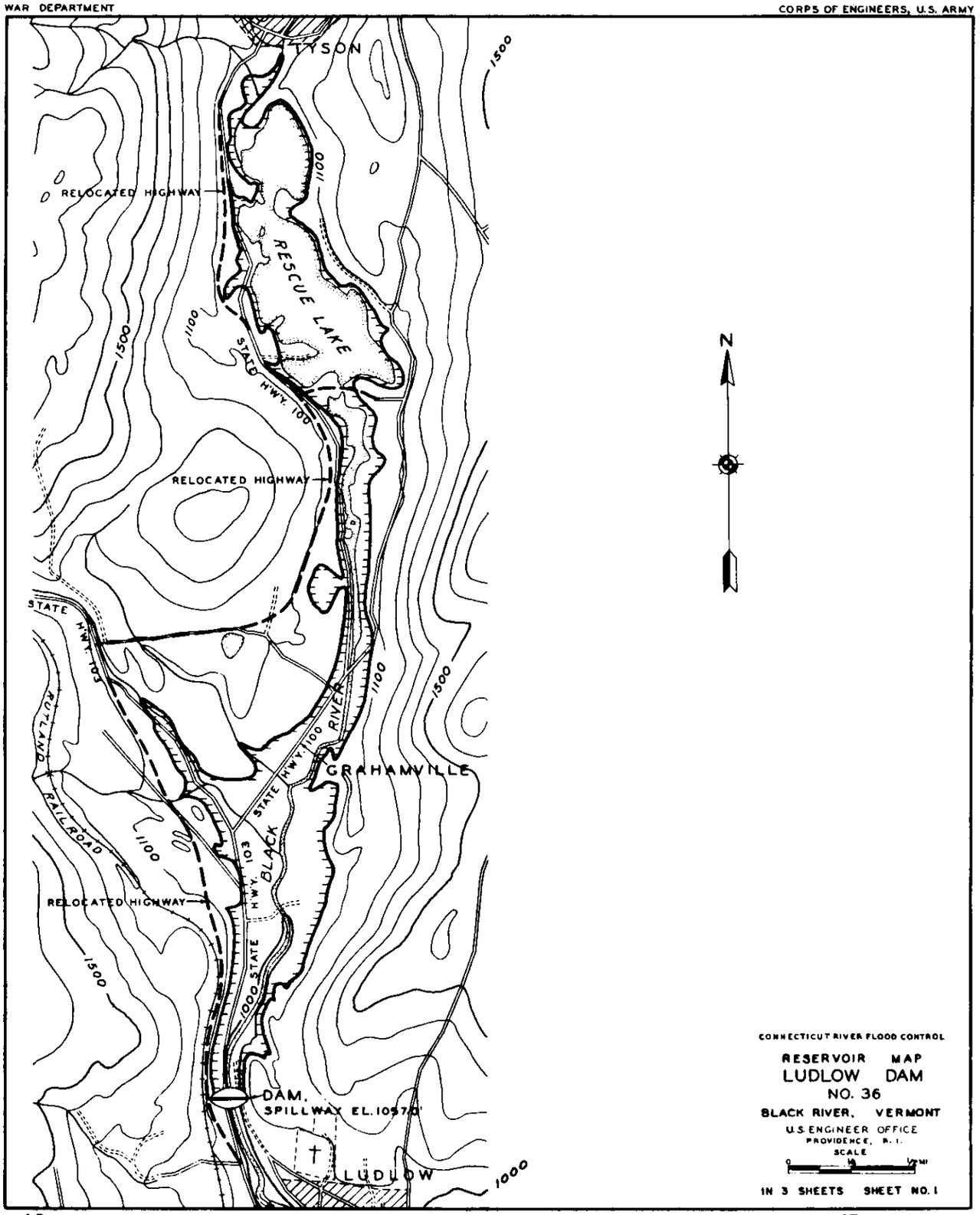
IN 3 SHEETS — SCALE AS SHOWN — SHEET NO 3

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

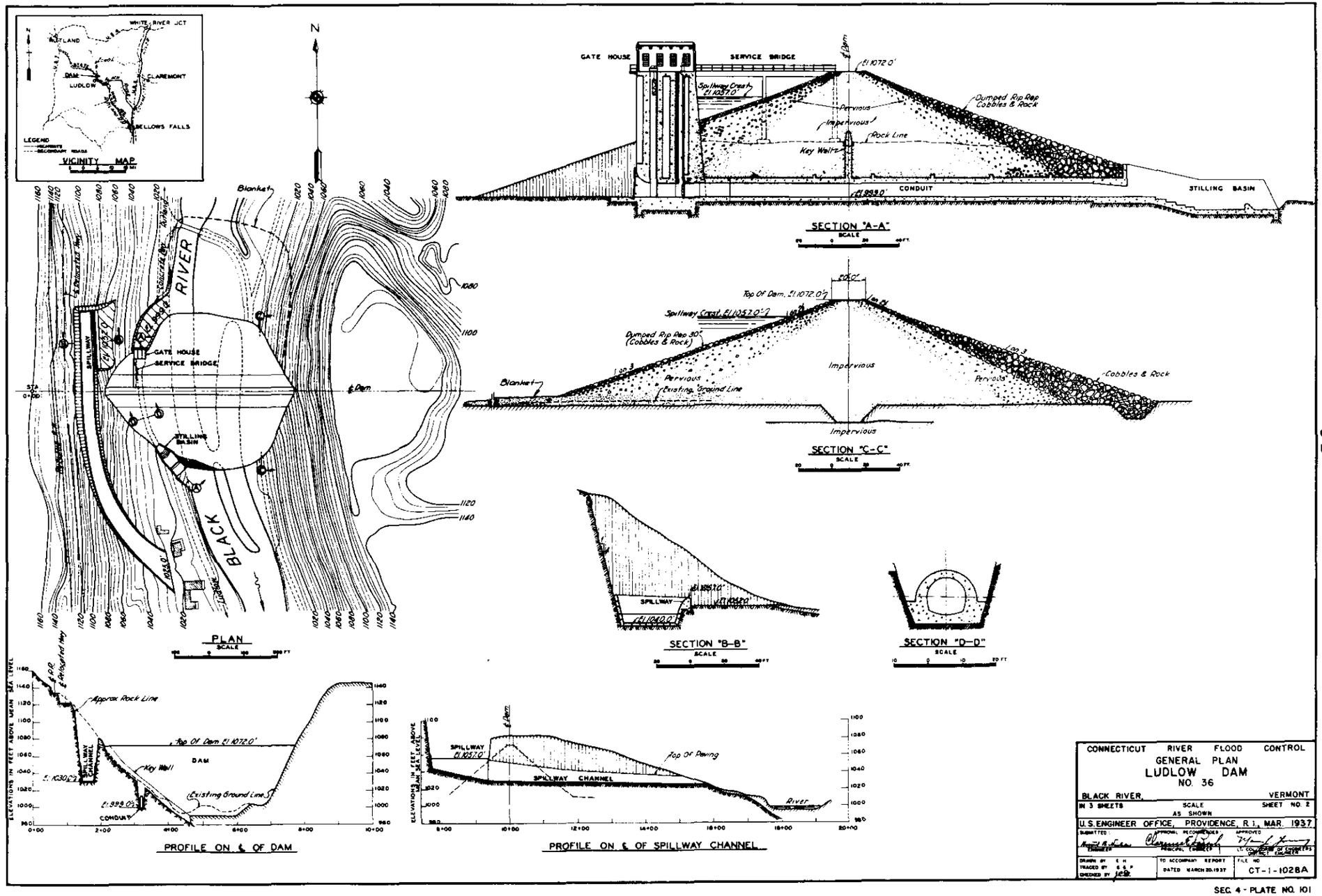
NO. 36

BLACK RIVER, VERMONT

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

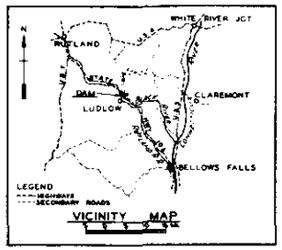
SCALE

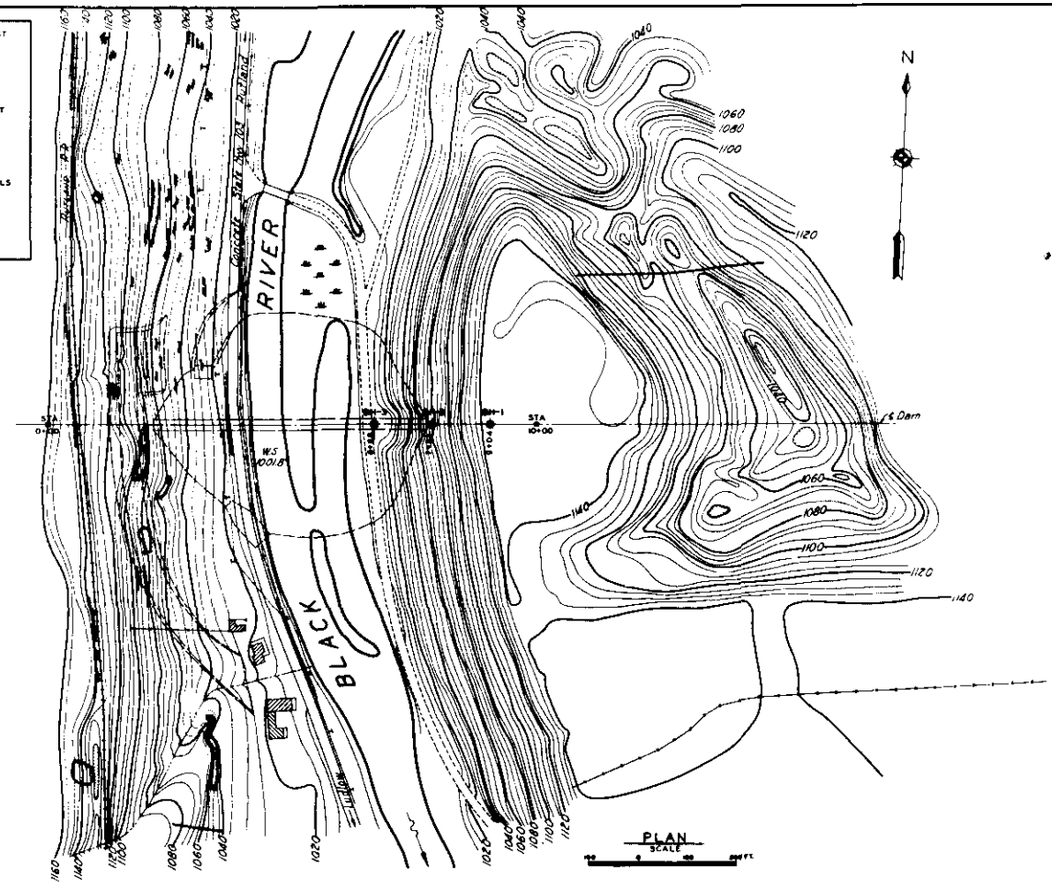
IN 3 SHEETS SHEET NO. 1

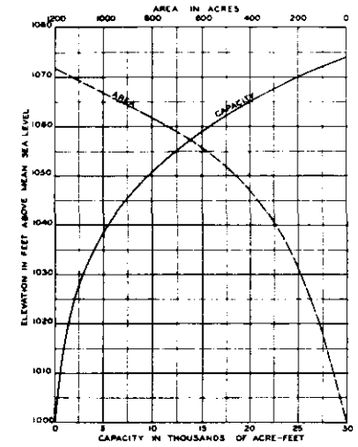

VICINITY MAP
WHITE RIVER JCT
RUTLAND
DAM
LUDLOW
CLAREMONT
BELLOWS FALLS
LEGEND
PLAN
SCALE
BLACK RIVER
GATE HOUSE
SERVICE BRIDGE
STILLING BASIN
SPILLWAY
Blanket
SECTION "A-A"
SCALE
Spillway Crest El 1057.0'
Dumped Rip Rap Cobbles & Rock
Pervious
Impervious
Rock Line
Key Wall
CONDUIT
STILLING BASIN
SECTION "C-C"
SCALE
Top Of Dam, El 1072.0'
Spillway Crest El 1057.0'
Dumped Rip Rap 30" (Cobbles & Rock)
Existing Ground Line
Cobbles & Rock
SECTION "B-B"
SCALE
SECTION "D-D"
SCALE
PROFILE ON ℄ OF DAM
Approx Rock Line
Top Of Dam El 1072.0'
DAM
Key Wall
Existing Ground Line
CONDUIT
PROFILE ON ℄ OF SPILLWAY CHANNEL
SPILLWAY CHANNEL
Top Of Paving
River
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
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:
APPROVAL RECOMMENDED:
APPROVED:
ENGINEER
PRINCIPAL ENGINEER
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY E.H.
TRACED BY E.G.P.
CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-1-1028A

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

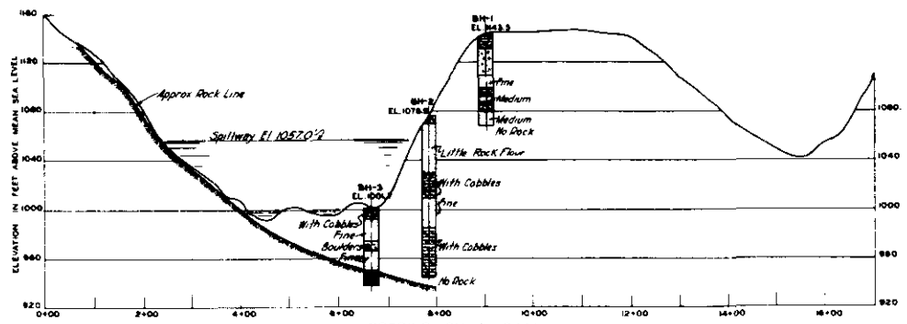






AREA AND CAPACITY CURVES

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



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
LUDLOW DAM
NO. 36

BLACK RIVER, VERMONT

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

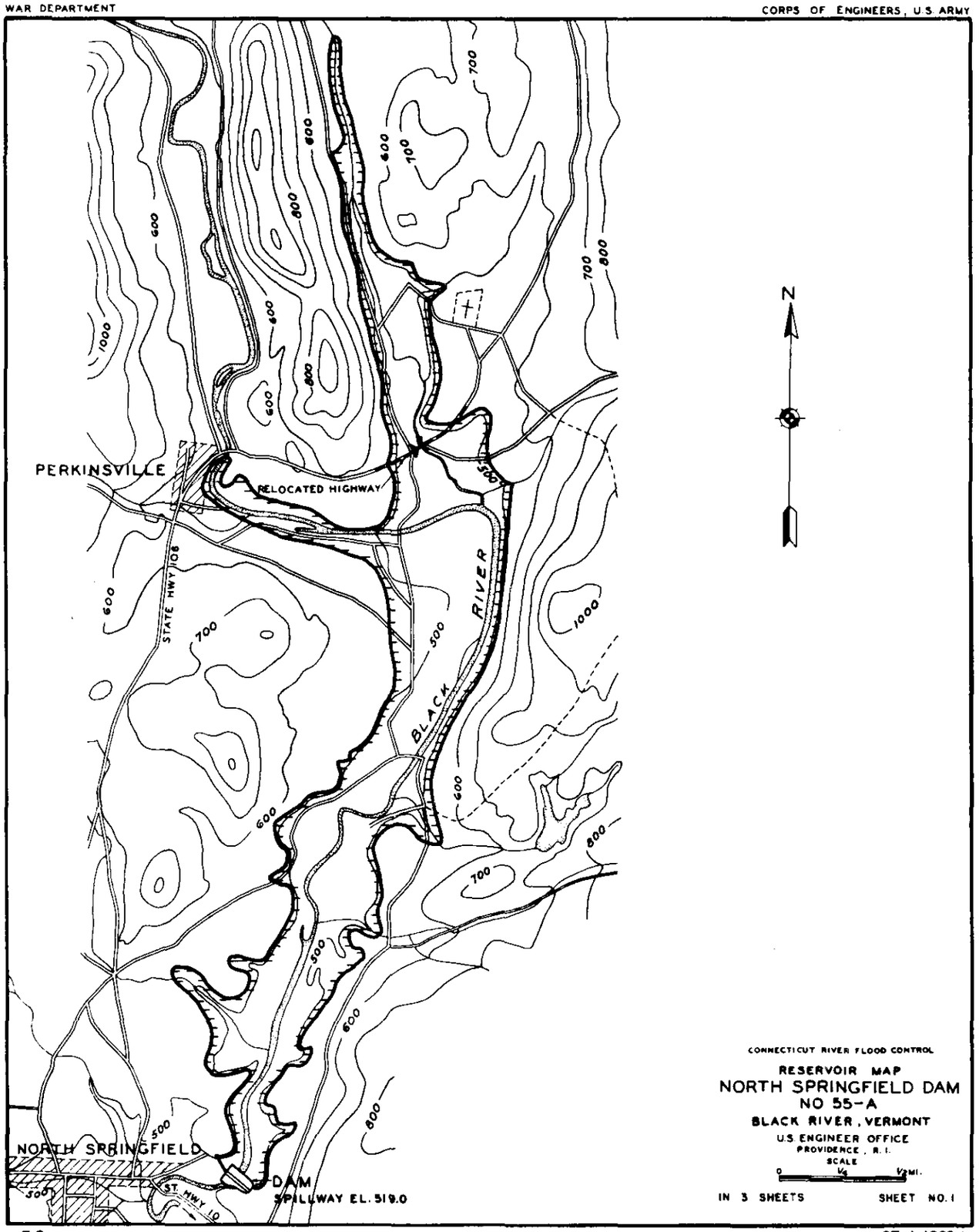
U.S. ENGINEER OFFICE, PROVIDENCE R.I., MAR. 1937

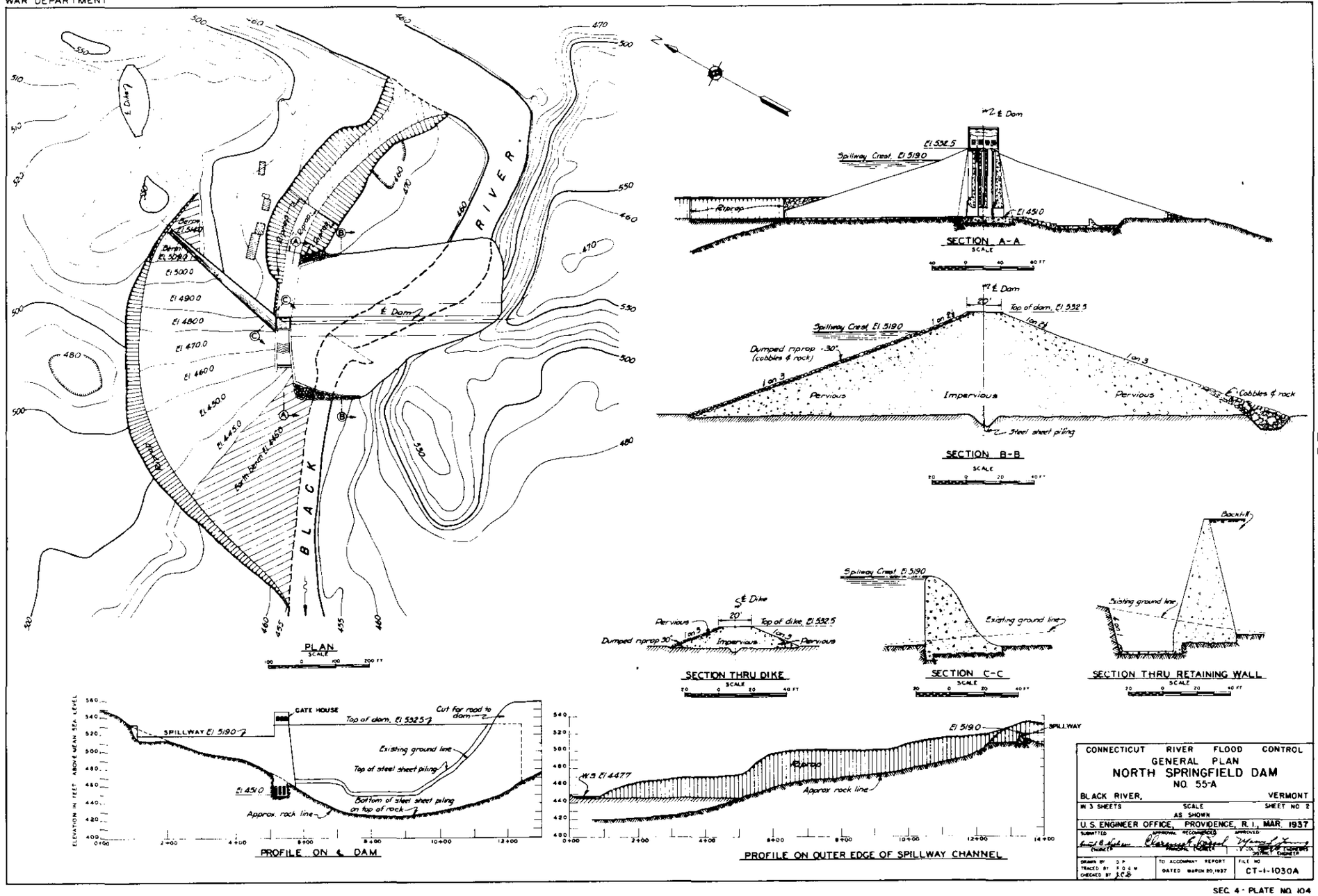
SUBMITTED: Frank C. Fallon, Secretary | APPROVAL RECOMMENDED: Vernon E. Bath, Principal Engineer | APPROVED: Lt. Col. Corps of Engineers, District Engineer

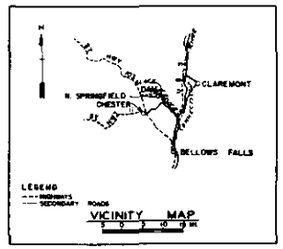
DRAWN BY D.D.
TRACED BY G.A.P.
CHECKED BY J.M.S.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

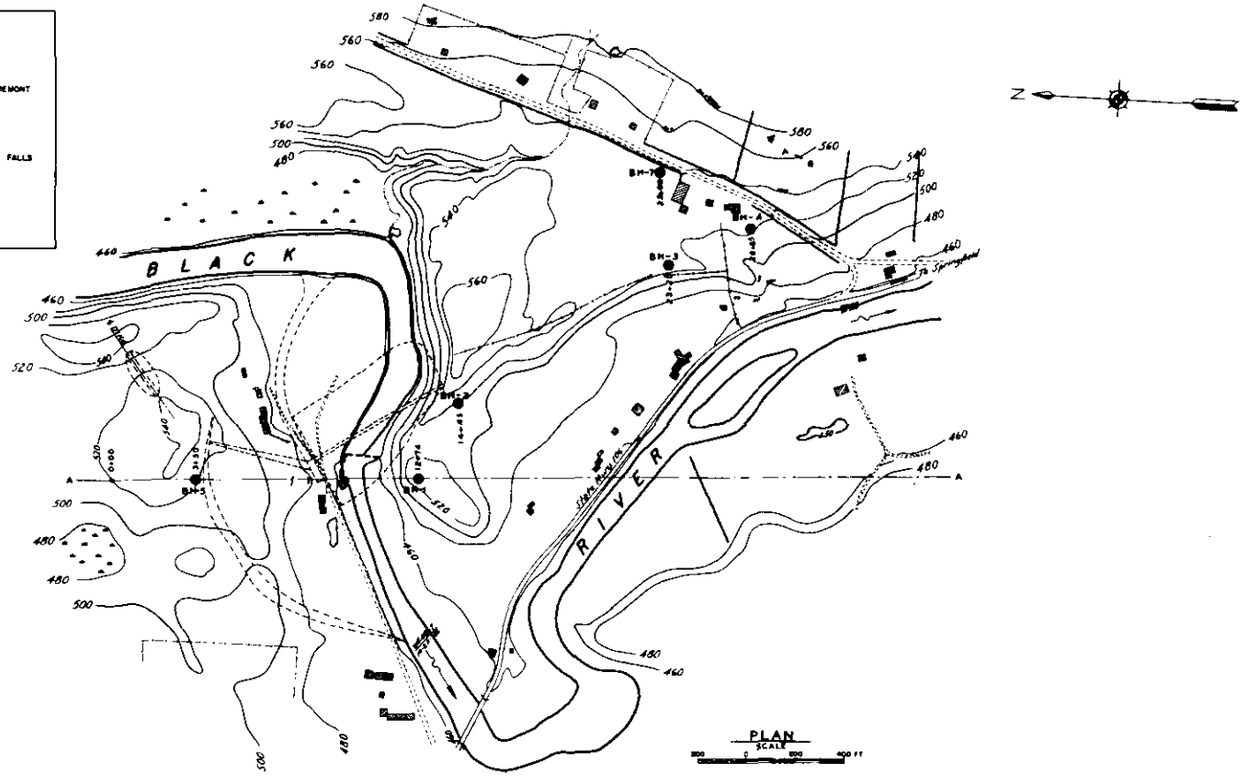
FILE NO. CT-2-1013A


PERKINSVILLE
RELOCATED HIGHWAY
STATE HWY 108
BLACK RIVER
NORTH SPRINGFIELD
DAM
SPILLWAY EL. 519.0
ST. HWY 10
N
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
NORTH SPRINGFIELD DAM
NO 55-A
BLACK RIVER, VERMONT
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 1/4 1/2 MI.
IN 3 SHEETS
SHEET NO. 1

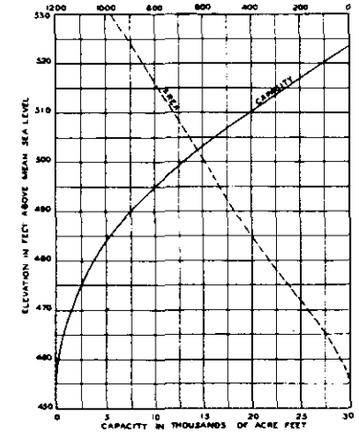

PLAN
SCALE
100 0 100 200 FT
BLACK
RIVER
℄ Dam
Riprap
Borrow
El 500.0
El 490.0
El 480.0
El 470.0
El 460.0
El 450.0
El 445.0
Berth Depth El 445.0
SECTION A-A
SCALE
40 0 40 80 FT
Spillway Crest El 519.0
El 532.5
El 451.0
SECTION B-B
SCALE
20 0 20 40 FT
Top of dam, El 532.5
Dumped riprap 30"
(cobbles & rock)
Pervious
Impervious
Cobbles & rock
Steel sheet piling
SECTION THRU DIKE
SCALE
20 0 20 40 FT
Top of dike, El 532.5
Dumped riprap 30"
SECTION C-C
SCALE
20 0 20 40 FT
Existing ground line
SECTION THRU RETAINING WALL
SCALE
20 0 20 40 FT
Backfill
Existing ground line
PROFILE ON ℄ DAM
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
GATE HOUSE
SPILLWAY El 519.0
Top of dam, El 532.5
Cut for road to dam
Existing ground line
Top of steel sheet piling
Bottom of steel sheet piling on top of rock
Approx. rock line
PROFILE ON OUTER EDGE OF SPILLWAY CHANNEL
W.S. El 447.7
Riprap
Approx rock line
SPILLWAY
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
NORTH SPRINGFIELD DAM
NO. 55-A
BLACK RIVER, VERMONT
IN 3 SHEETS
SCALE AS SHOWN
SHEET NO 2
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED
APPROVAL RECOMMENDED
APPROVED
DRAWN BY
TRACED BY
CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO CT-1-1030A



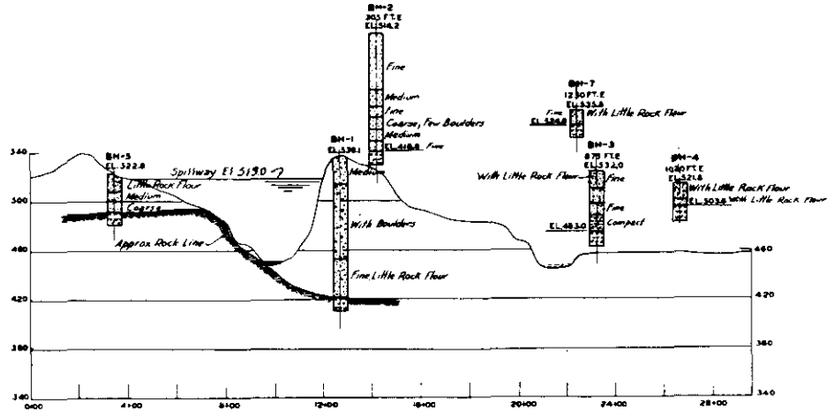
VICINITY MAP



PLAN
SCALE



AREA AND CAPACITY CURVES



PROFILE ON LINE A-A

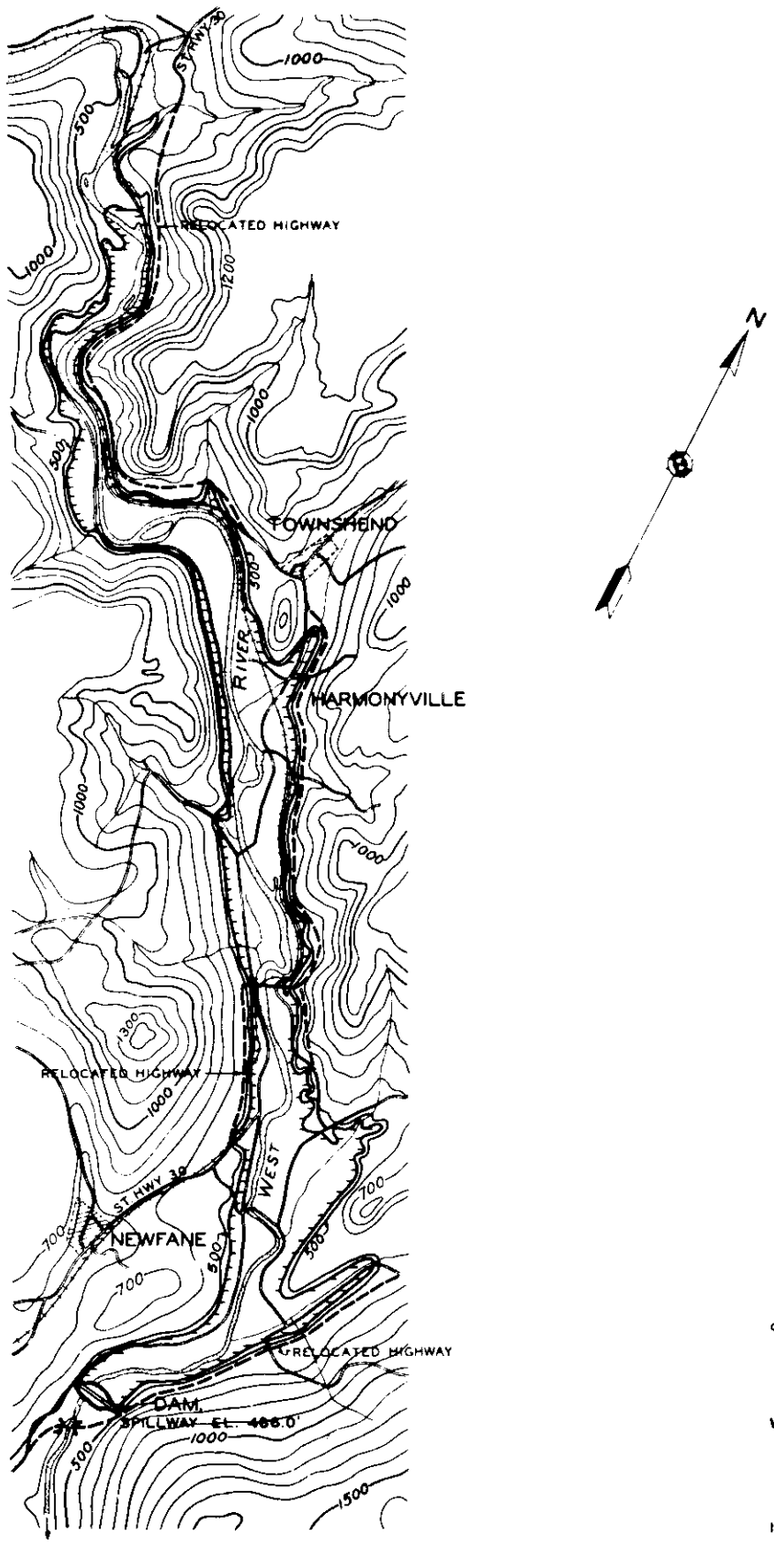
NOTE.
PERVIOUS AND IMPERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM ON LEFT BANK.

LEGEND

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

CONNECTICUT RIVER FLOOD CONTROL
GEOLOGY
NORTH SPRINGFIELD DAM
NO. 55-A
BLACK RIVER, VERMONT
IN 3 SHEETS SCALE AS SHOWN SHEET NO. 3
U. S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED: 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



N

CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

NEWFANE DAM

NO. 40-A

WEST RIVER, VERMONT

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

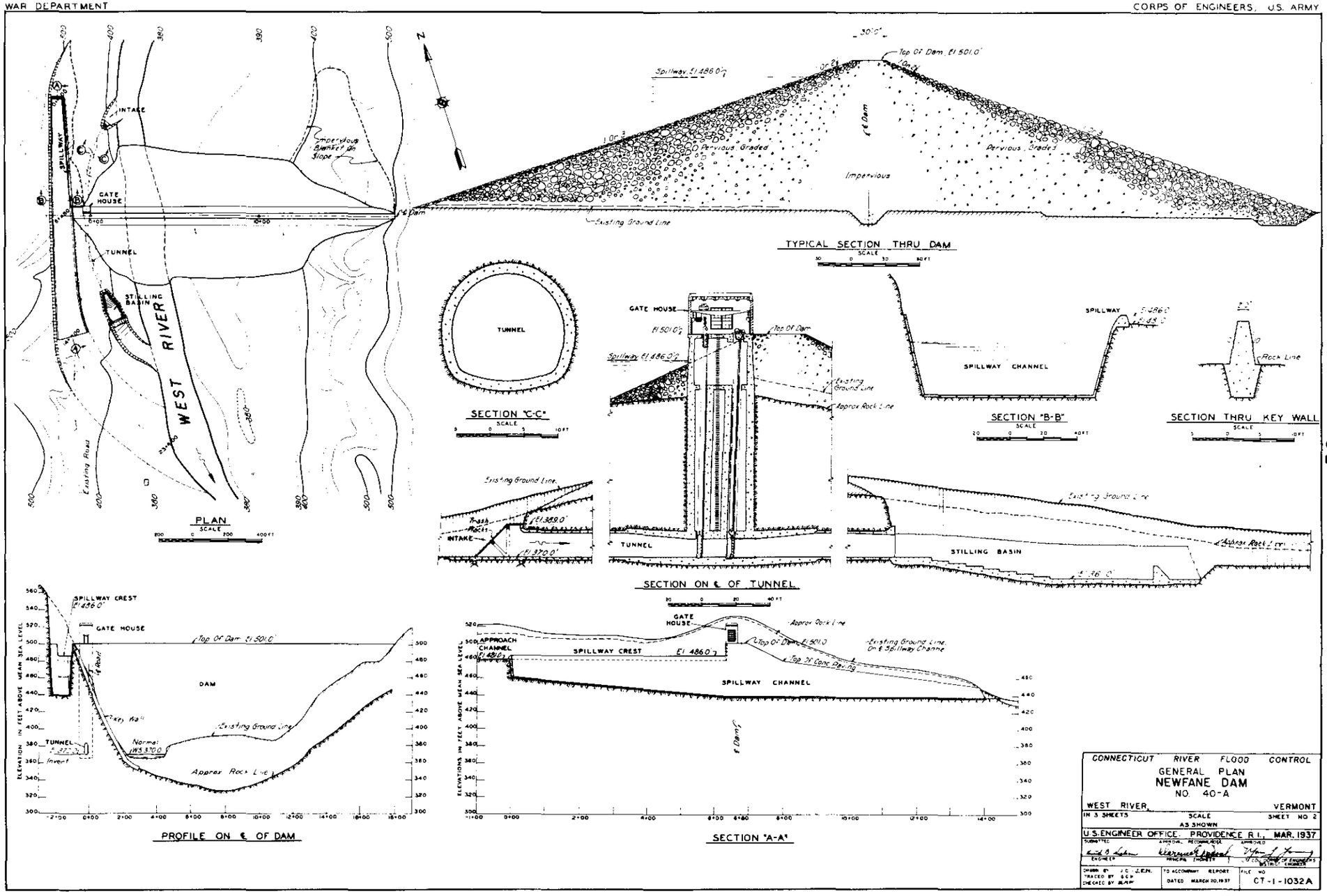
SCALE

0 ½ 1 MI.

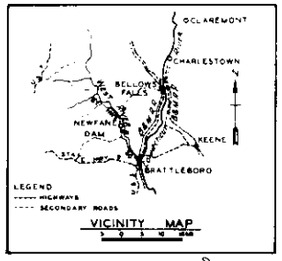
IN 3 SHEETS SHEET NO.

WAR DEPARTMENT

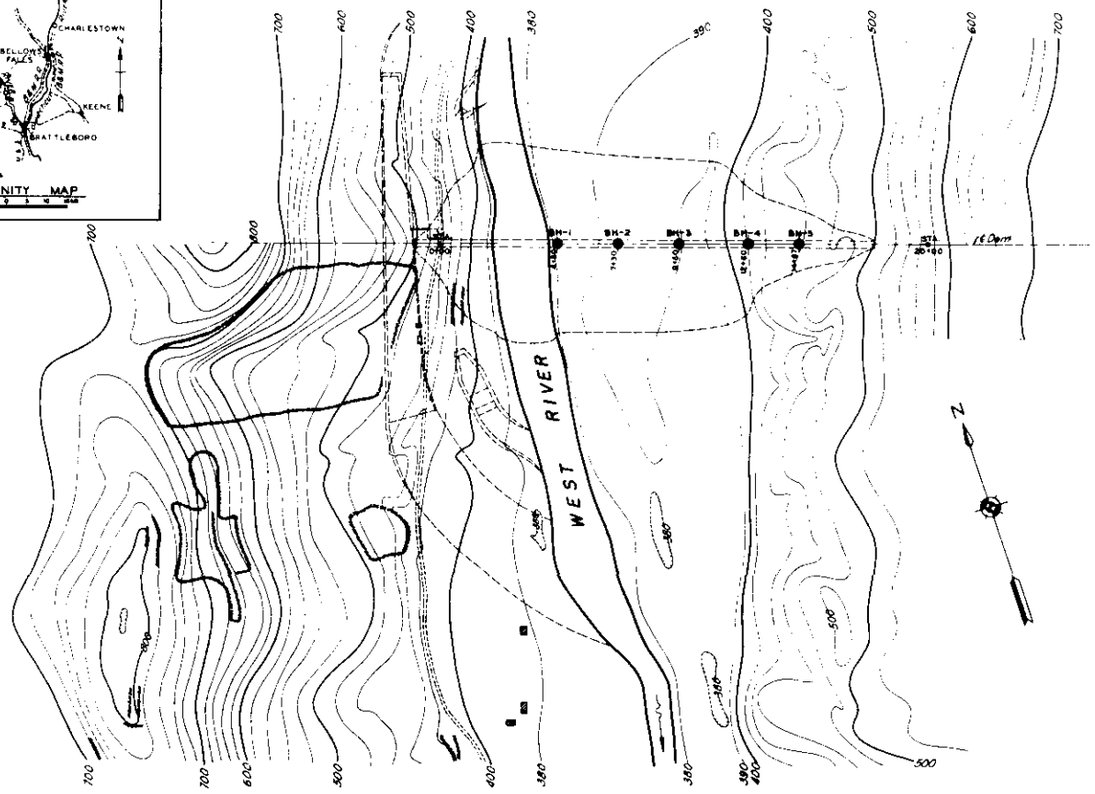
CORPS OF ENGINEERS, U.S. ARMY



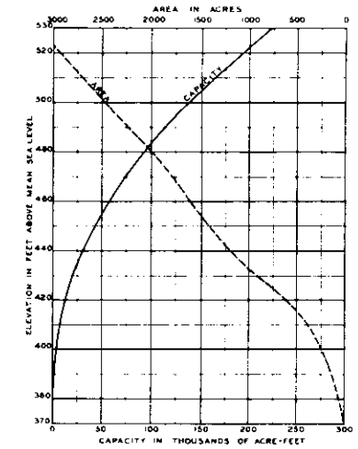
SEC. 4 - PLATE NO. 107



VICINITY MAP

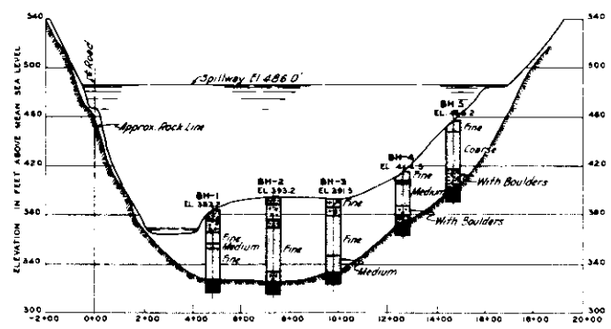


PLAN
SCALE



AREA AND CAPACITY CURVES

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

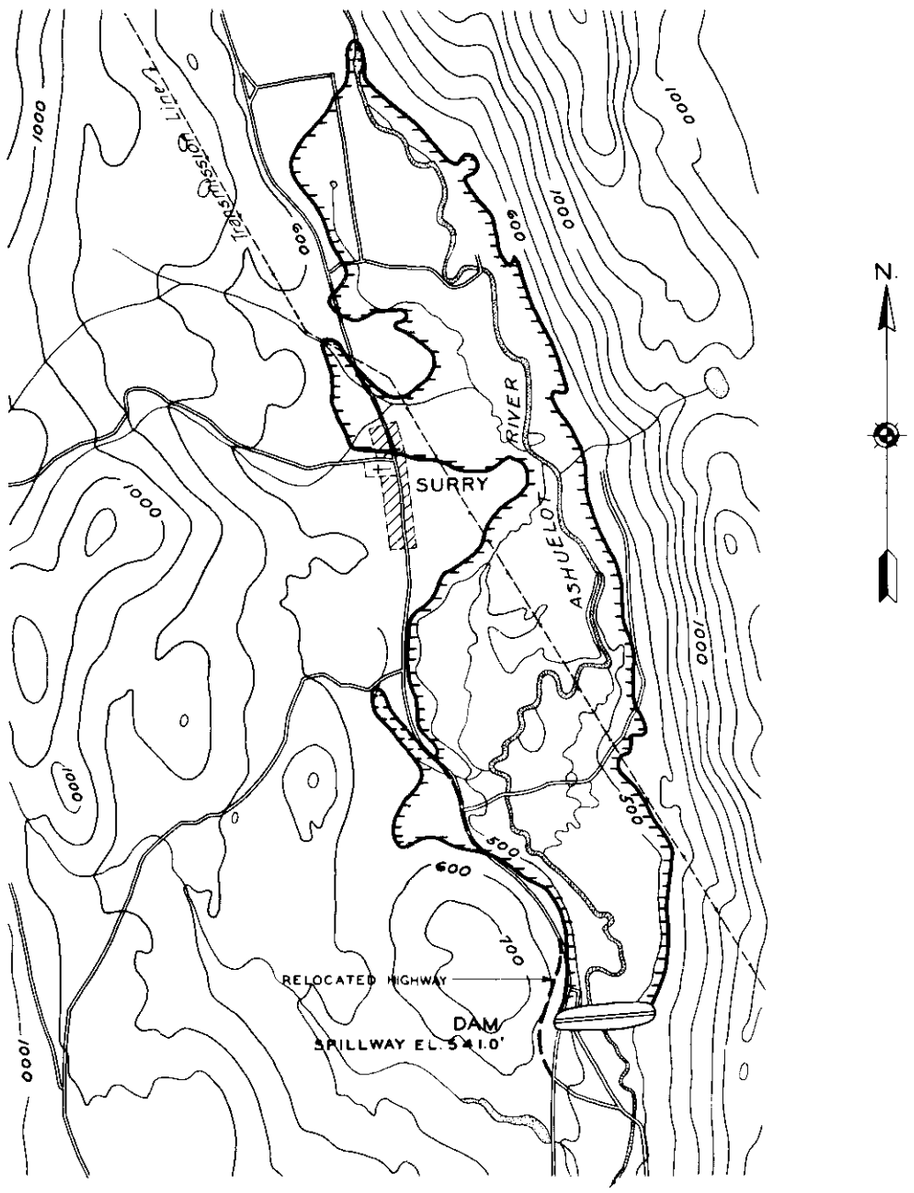


PROFILE ON ℄ DAM

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 NEWFANE DAM NO. 40-A		
WEST RIVER,		VERMONT
IN 3 SHEETS	SCALE AS SHOWN	SHEET NO 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937		
SUBMITTED GEOLOGIST	APPROVAL RECOMMENDED PRINCIPAL ENGINEER	APPROVED LT COL, CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY F.B. TRACED BY G.A.P. CHECKED BY J.A.B.	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO CT-2-1015A



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

SURRY MOUNTAIN DAM

NO. 57-A

ASHUELOT RIVER, NEW HAMPSHIRE

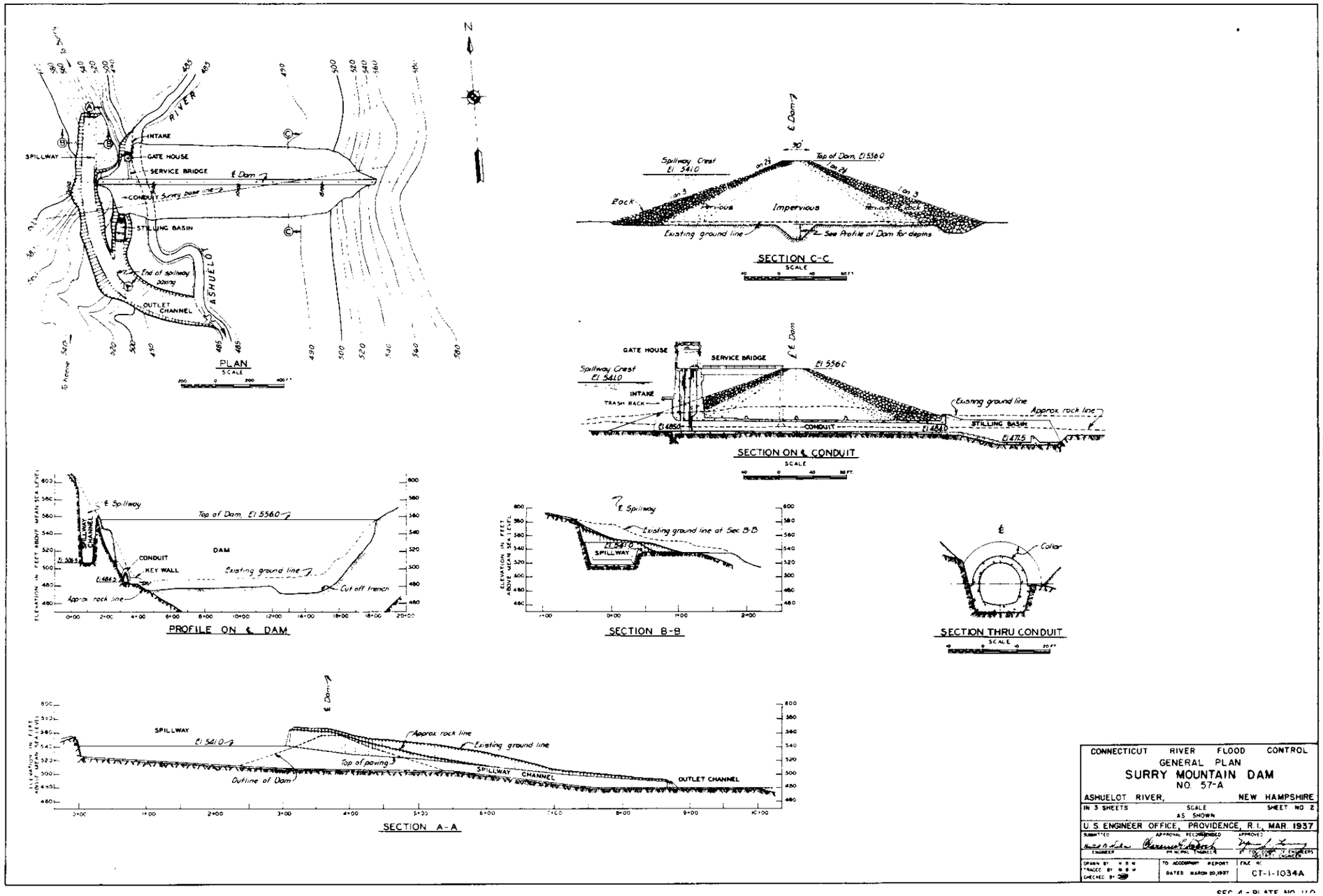
U.S. ENGINEER OFFICE

PROVIDENCE, R. I.

SCALE

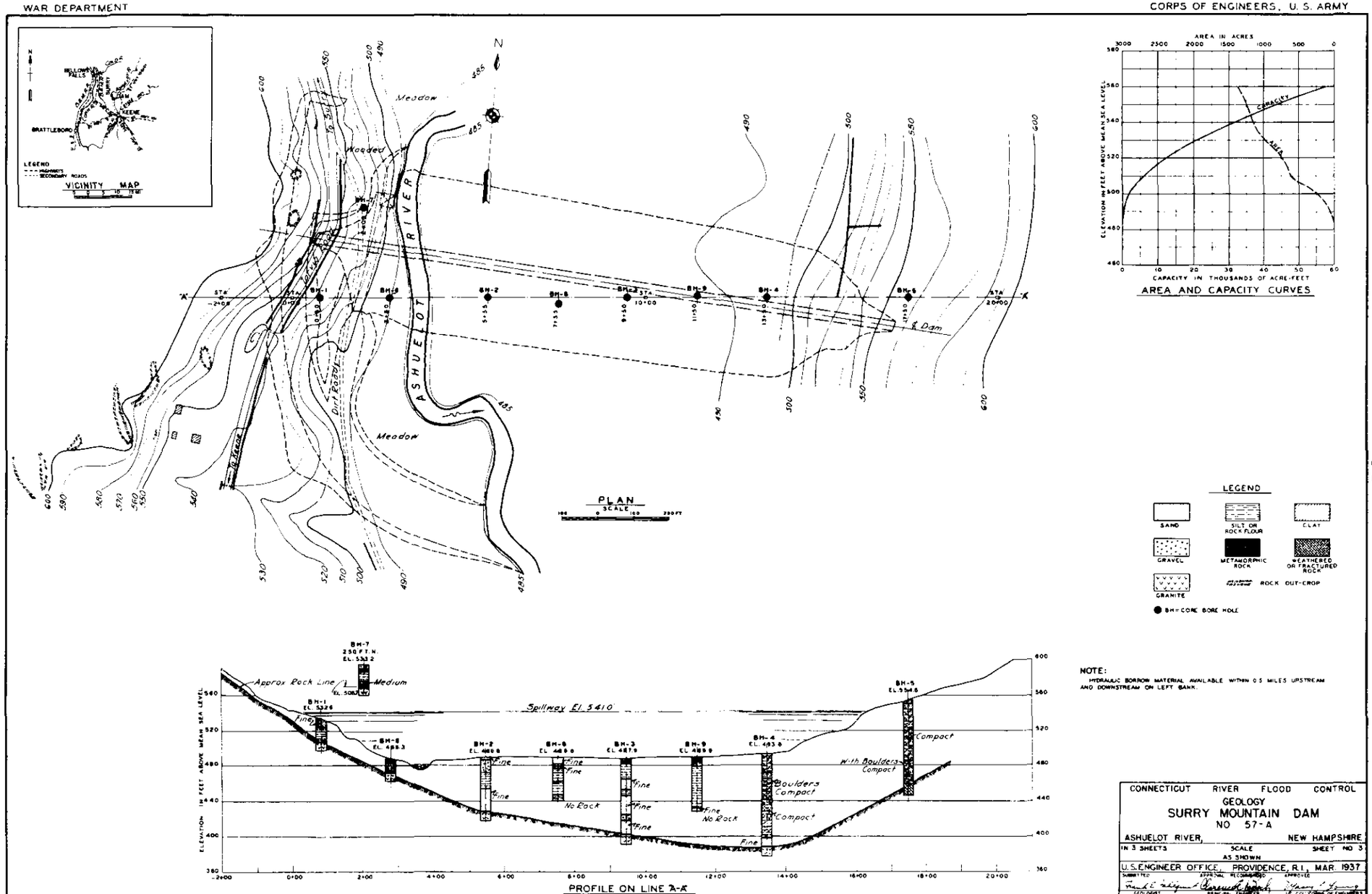
0 ¼ ½ MI.

IN 3 SHEETS SHEET NO. 1


PLAN
SCALE
SPILLWAY
INTAKE
GATE HOUSE
SERVICE BRIDGE
CONDUIT
STILLING BASIN
End of spillway paving
OUTLET CHANNEL
ASHUELOT RIVER
SECTION C-C
SCALE
Spillway Crest El 541.0
Top of Dam, El 556.0
Rock
Pervious
Impervious
Existing ground line
See Profile of Dam for depths
SECTION ON ℄ CONDUIT
SCALE
GATE HOUSE
SERVICE BRIDGE
Spillway Crest El 541.0
INTAKE
TRASH RACK
CONDUIT
STILLING BASIN
Existing ground line
Approx rock line
PROFILE ON ℄ DAM
℄ Spillway
Top of Dam, El 556.0
DAM
CONDUIT
KEY WALL
Existing ground line
Cut off trench
Approx rock line
SECTION B-B
℄ Spillway
Existing ground line at Sec B-B
SPILLWAY
SECTION THRU CONDUIT
SCALE
Collar
SECTION A-A
SPILLWAY
El 541.0
Approx rock line
Existing ground line
Top of paving
Outline of Dam
SPILLWAY CHANNEL
OUTLET CHANNEL
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
CT-1-1034A

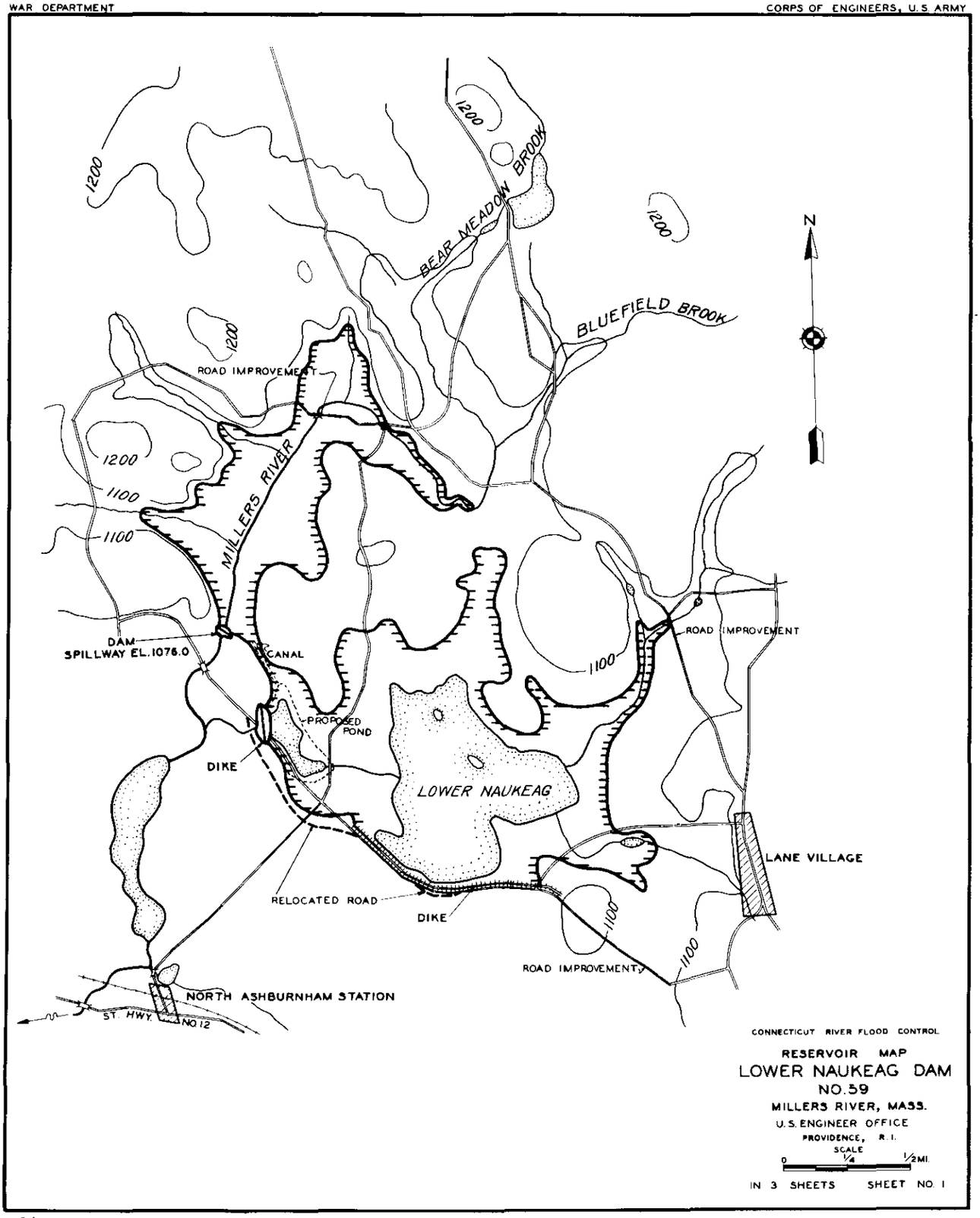
WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



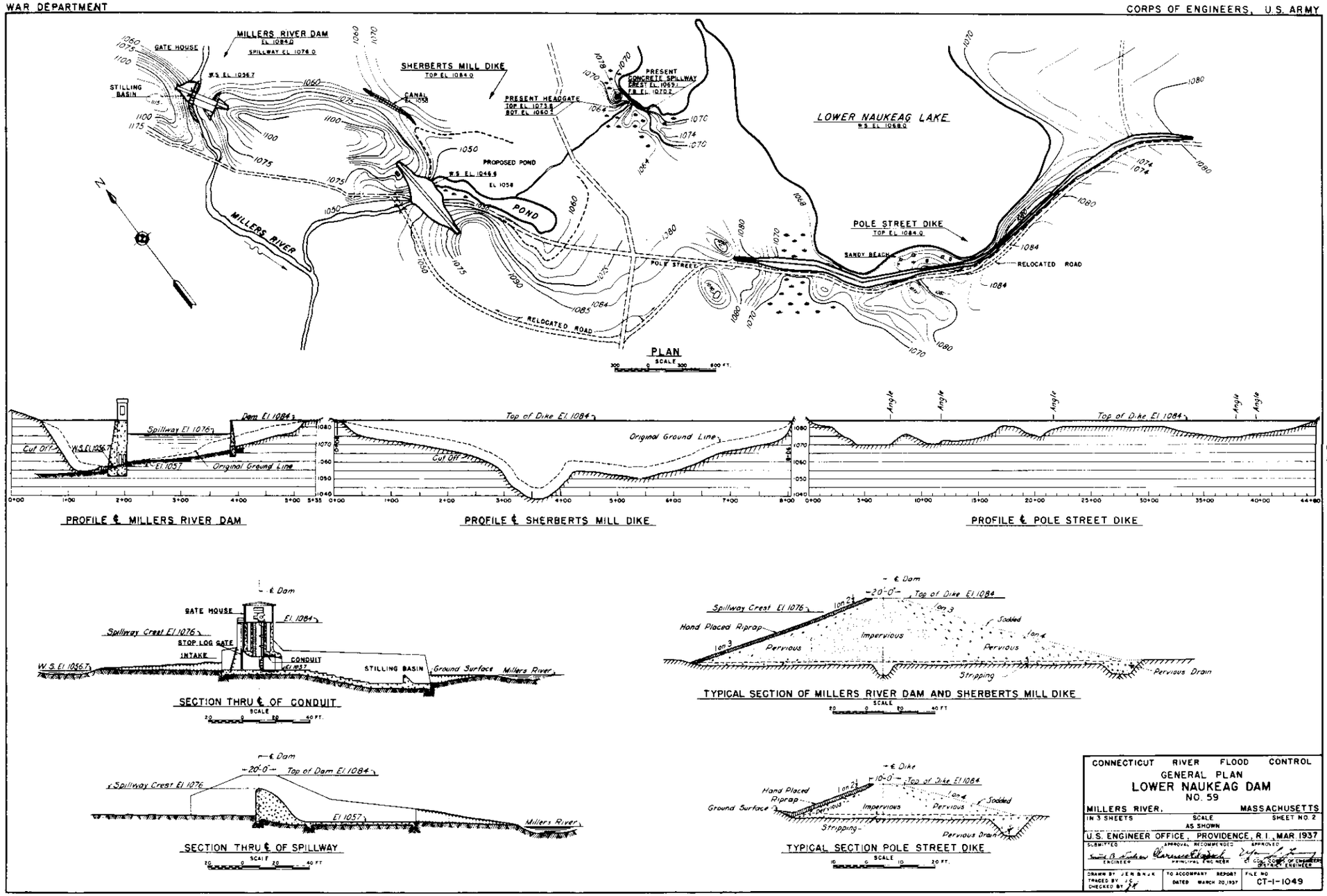
NOTE:
HYDRAULIC BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES UPSTREAM AND DOWNSTREAM ON LEFT BANK.

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


1200
1200
1200
1200
BEAR MEADOW BROOK
BLUEFIELD BROOK
N
ROAD IMPROVEMENT
MILLERS RIVER
1100
1100
1100
1100
DAM
SPILLWAY EL. 1076.0
CANAL
PROPOSED POND
DIKE
LOWER NAUKEAG
ROAD IMPROVEMENT
LANE VILLAGE
RELOCATED ROAD
DIKE
ROAD IMPROVEMENT
NORTH ASHBURNHAM STATION
ST. HWY. NO 12
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

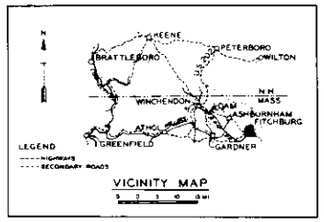
SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: CT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

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

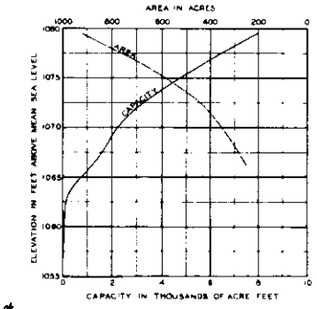
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO. CT-1-1049

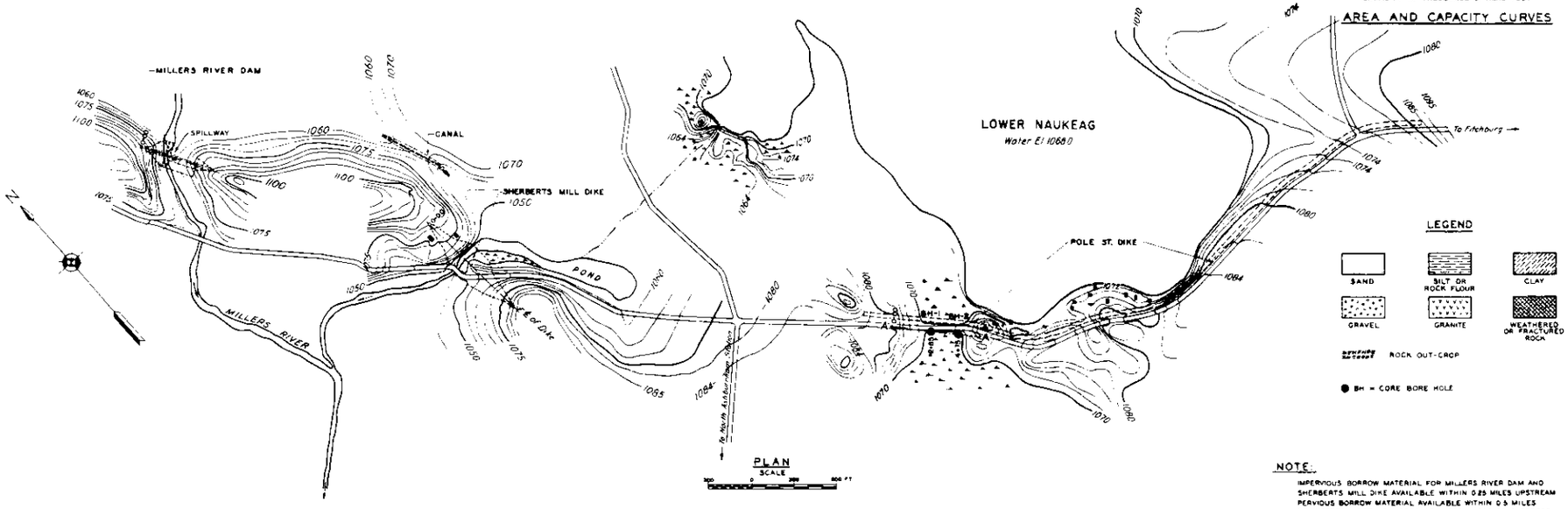
SEC 4 - PLATE NO. 113



VICINITY MAP



AREA AND CAPACITY CURVES



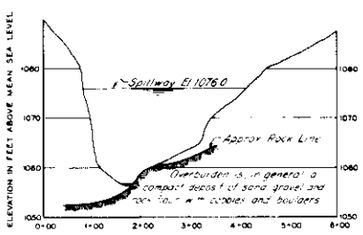
PLAN
SCALE

LEGEND

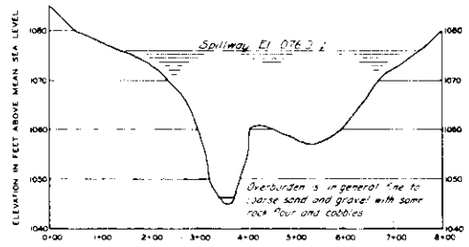
SAND
SILT OR ROCK FLOUR
CLAY
GRAVEL
GRANITE
WEATHERED OR FRACTURED ROCK
ROCK OUT-CROP
BH = CORE BORE HOLE

NOTE:

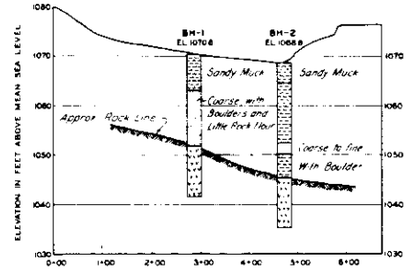
IMPERVIOUS BORROW MATERIAL FOR MILLERS RIVER DAM AND SHERBERTS MILL DIKE AVAILABLE WITHIN 0.25 MILES UPSTREAM. PERVIOUS BORROW MATERIAL AVAILABLE WITHIN 0.5 MILES DOWNSTREAM. BOTH CLASSES OF MATERIAL FOR POLE STREET DIKE AVAILABLE WITHIN 0.5 MILES



PROFILE ON ℄ OF MILLERS RIVER DAM



PROFILE ON ℄ OF SHERBERTS MILL DIKE



PROFILE ON LINE 'A-A'
POLE STREET DIKE

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

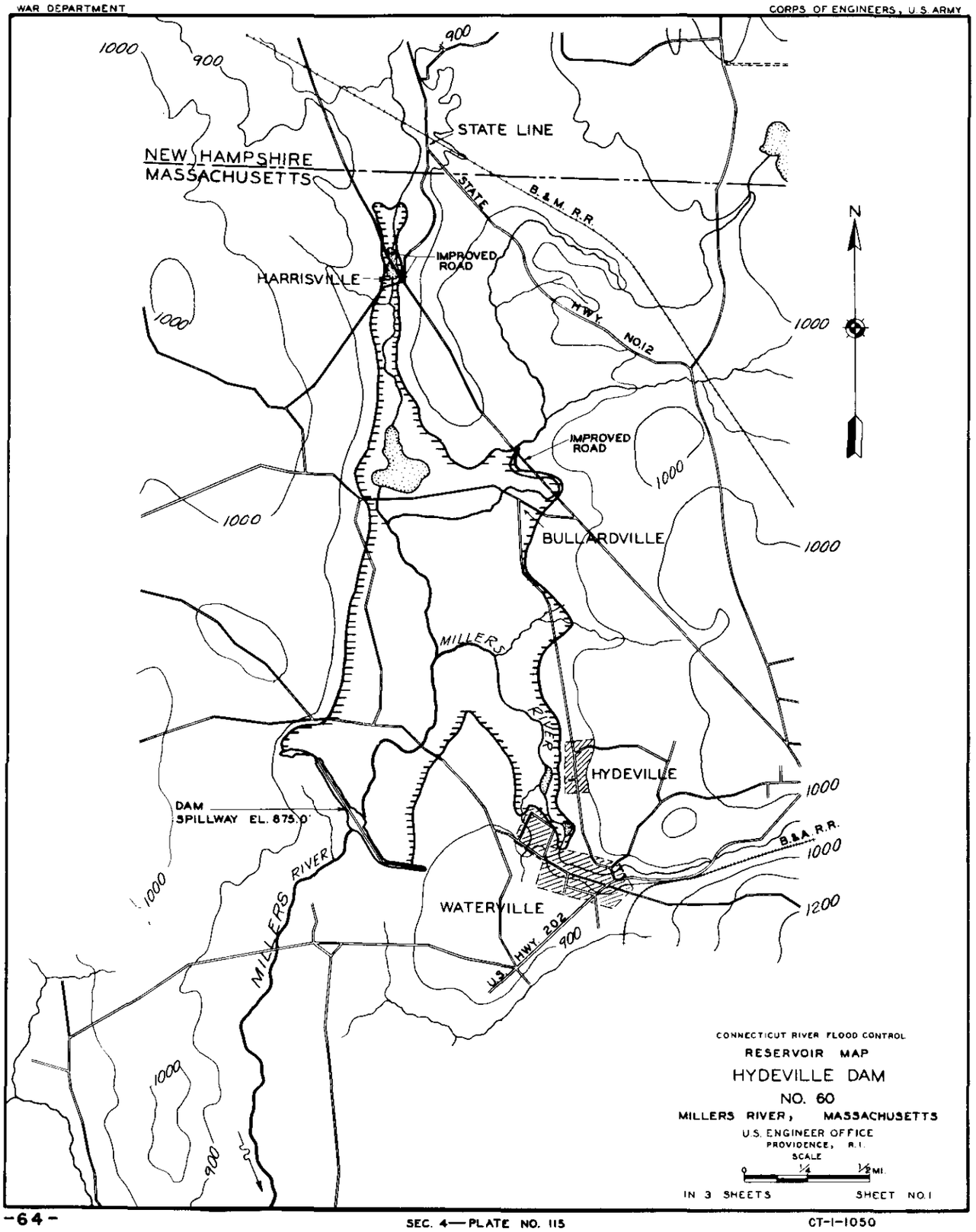
LOWER NAUKEAG DAM

NO. 59

MILLERS RIVER, MASSACHUSETTS

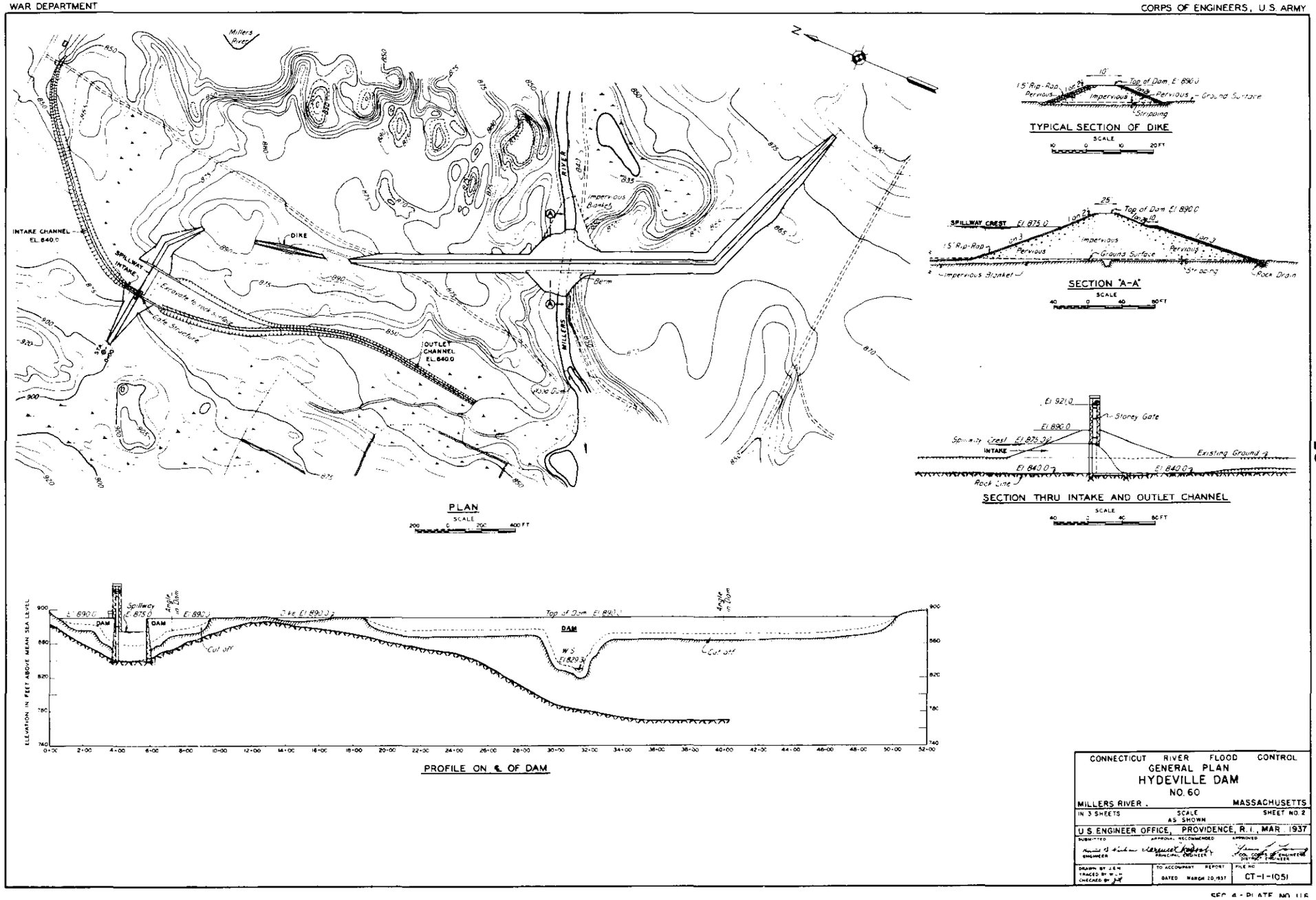
IN 3 SHEETS	SCALE AS SHOWN	SHEET NO. 3
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR 1937		
SUBMITTED GEOLOGIST	APPROVAL RECOMMENDED PRINCIPAL ENGINEER	APPROVED LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY JCP TRACED BY D.L.M. CHECKED BY J.L.S.	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO CT-2-1021

SEC. 4 - PLATE NO. 114


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

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

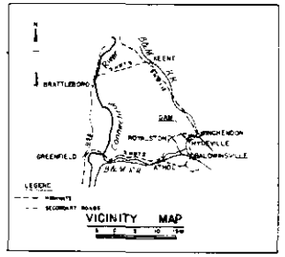


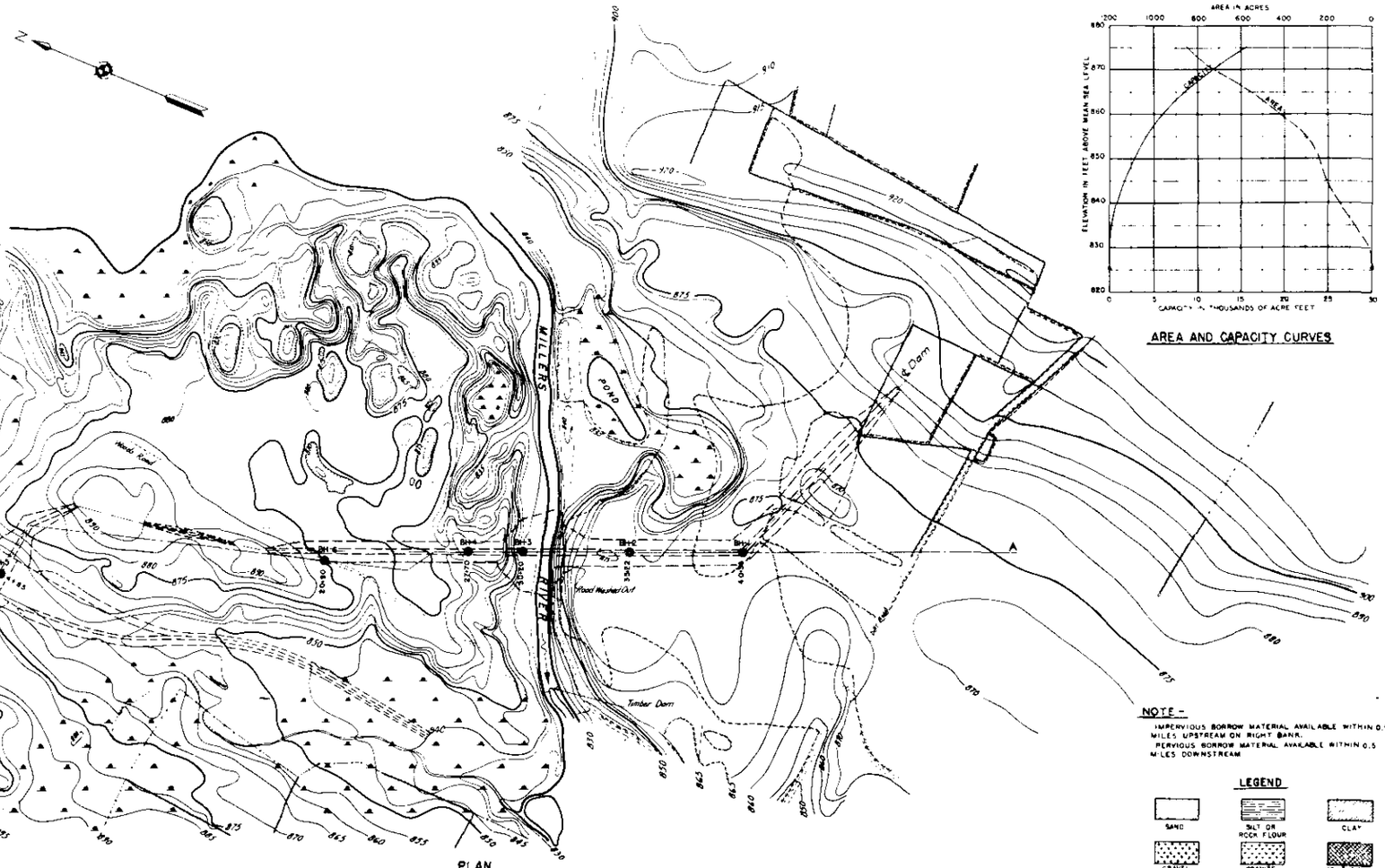
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
HYDEVILLE DAM
NO. 60
MILLERS RIVER, MASSACHUSETTS
IN 3 SHEETS SCALE AS SHOWN SHEET NO. 2
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED APPROVAL RECOMMENDED APPROVED
ENGINEER PRINCIPAL ENGINEER COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY 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





PLAN

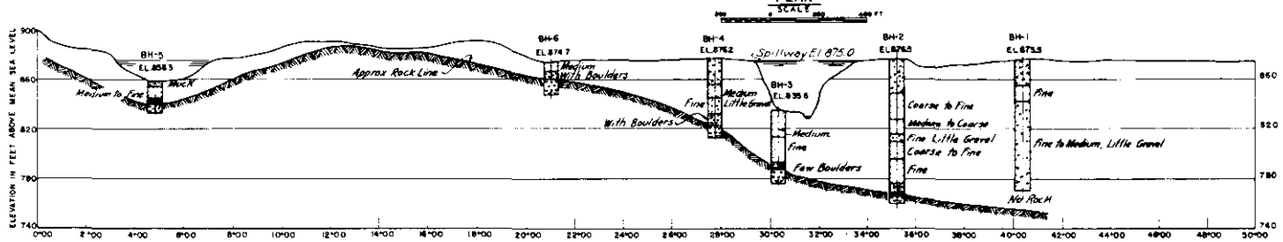
AREA AND CAPACITY CURVES

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



PROFILE ON LINE "A-A"

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

HYDEVILLE DAM

NO. 60

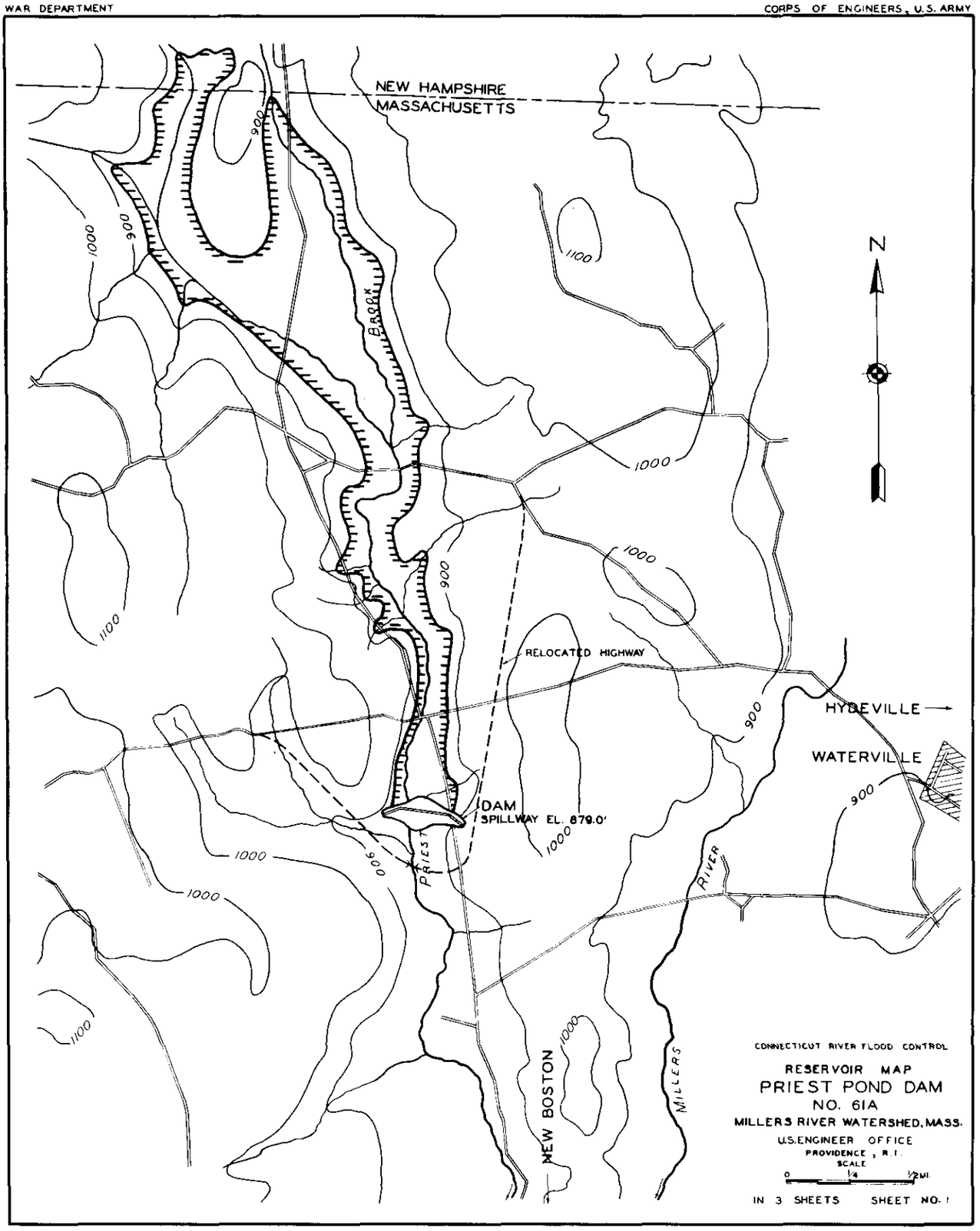
MILLERS RIVER, MASSACHUSETTS

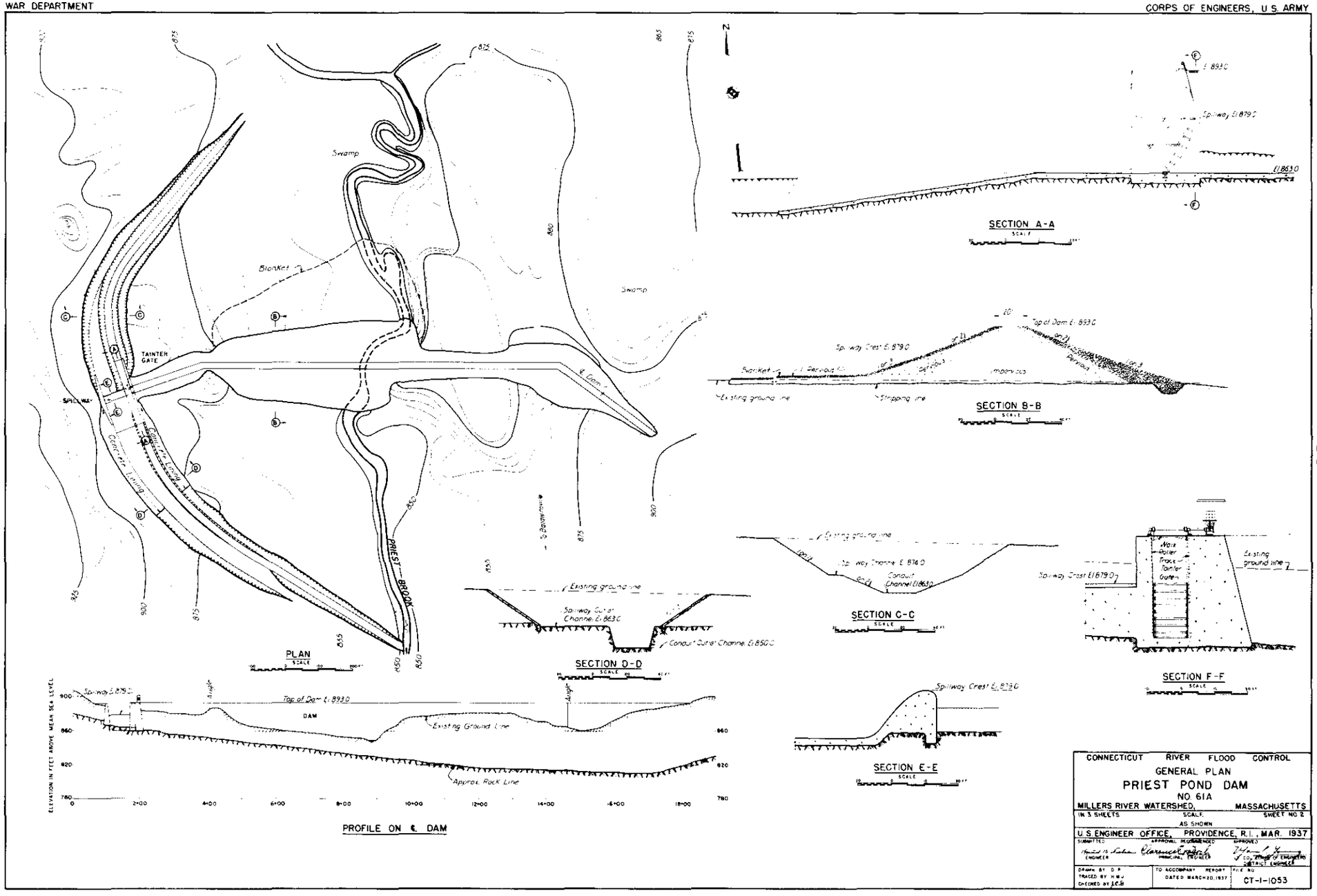
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO 3

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

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

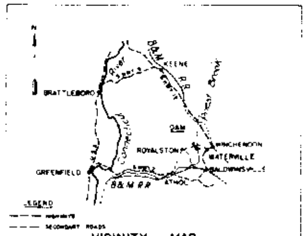
DRAWN BY J.E.P. TRACED BY V.A.T. CHECKED BY J.M.S. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-2-1022


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

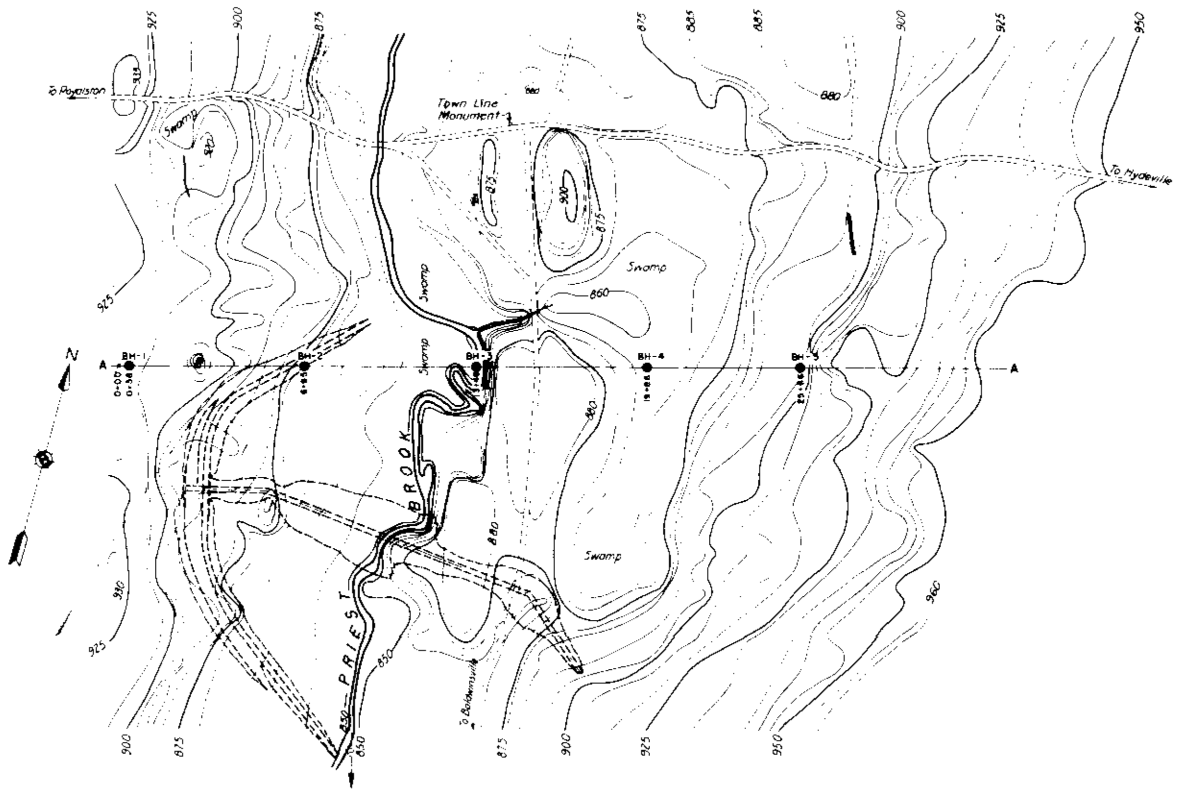

PLAN
SCALE
Swamp
Blanket
TAINTER GATE
SPILLWAY
Concrete Lining
Earth Lining
PRIEST BROOK
To Baldwinville
SECTION A-A
Spillway El 879.0
El 863.0
SECTION B-B
Top of Dam El 893.0
Spillway Crest El 879.0
Existing ground line
Stripping line
Impervious
Pervious
SECTION C-C
Existing ground line
Spillway Channel El 874.0
Conduit Channel El 863.0
SECTION D-D
Existing ground line
Spillway Outlet Channel El 863.0
Conduit Outlet Channel El 850.0
SECTION E-E
Spillway Crest El 879.0
SECTION F-F
Spillway Crest El 879.0
Existing ground line
Main Roller Track Tainter Gates
PROFILE ON ℄ DAM
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
Spillway El 879.0
Top of Dam El 893.0
DAM
Existing Ground Line
Approx. Rock Line
Auger
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
APPROVAL RECOMMENDED
APPROVED
ENGINEER
PRINCIPAL ENGINEER
ASSISTANT ENGINEER
DRAWN BY D.P.
TRACED BY H.W.J.
CHECKED BY J.C.B.
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO CT-1-1053

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY

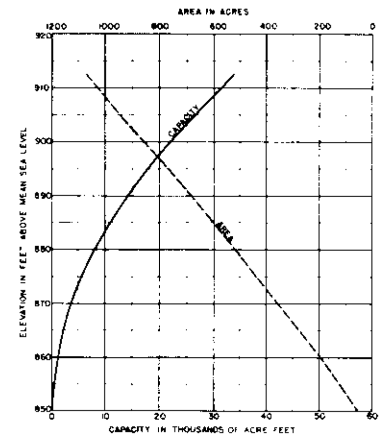


VICINITY MAP

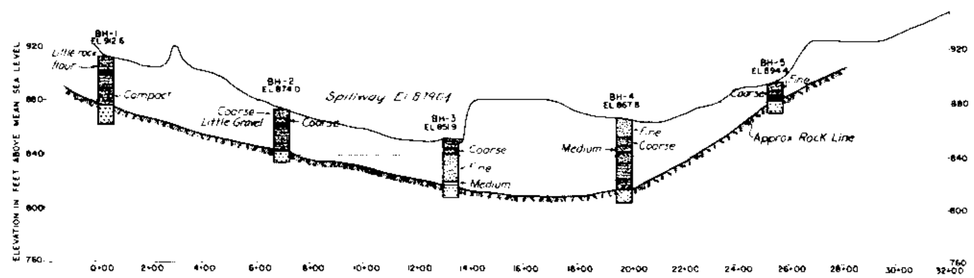


PLAN

SCALE



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-CORE BORE HOLE

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

PRIEST POND DAM

NO. 61-A

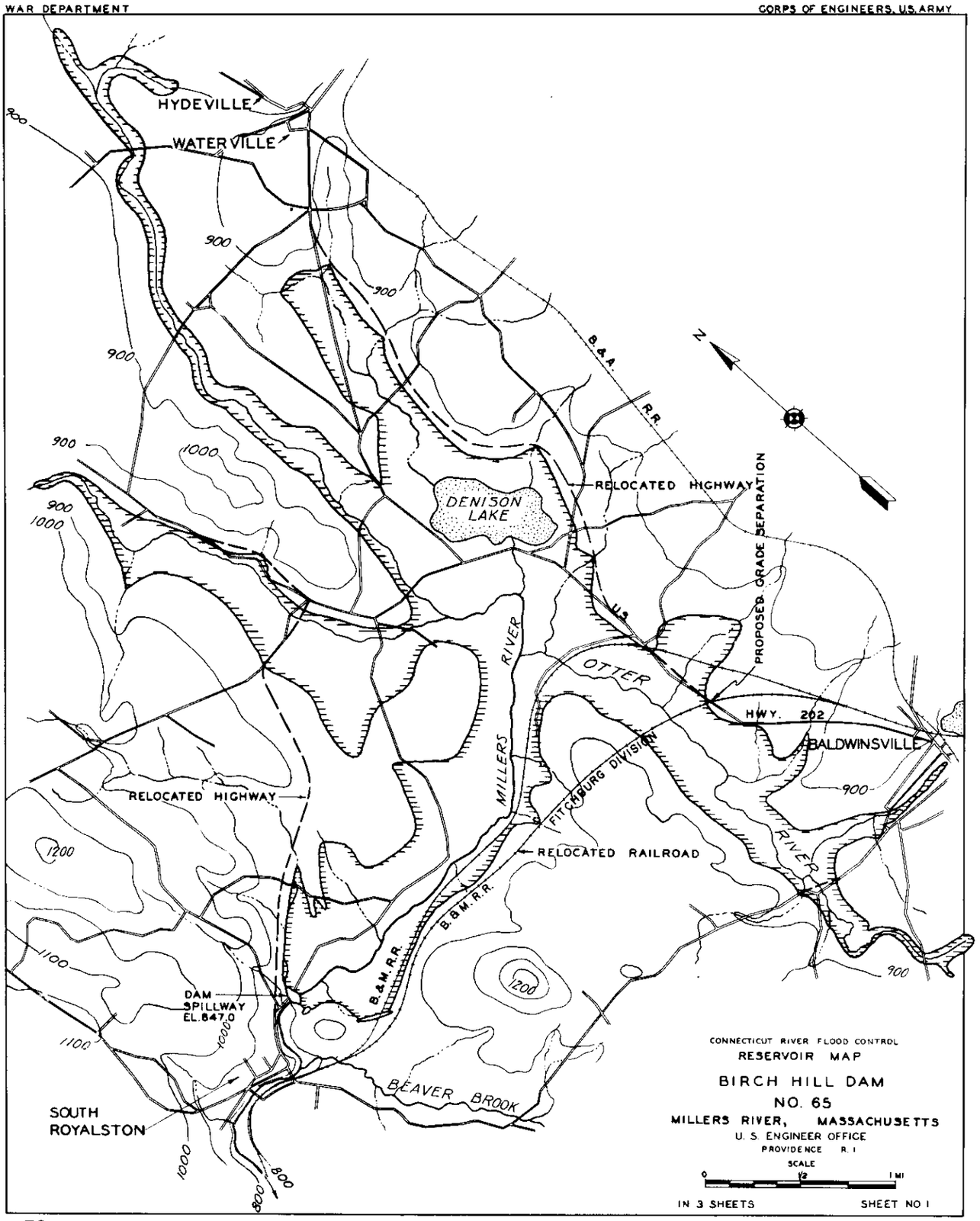
MILLERS RIVER WATERSHED, MASSACHUSETTS

IN 3 SHEETS	SCALE AS SHOWN	SHEET NO. 3

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

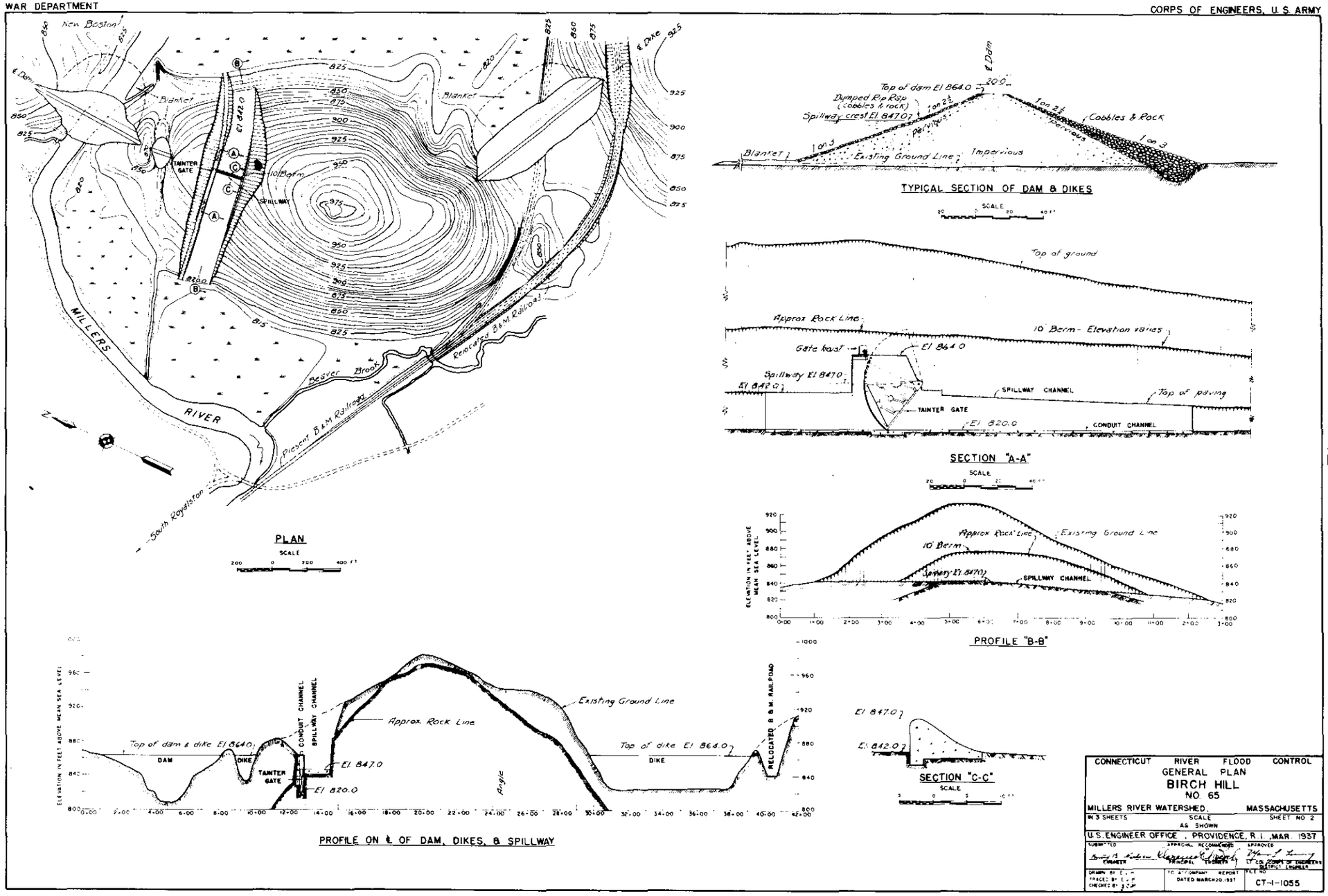
SUBMITTED	APPROVAL RECOMMENDED	APPROVED
GEOLOGIST	PRINCIPAL ENGINEER	LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY J.E.P. TRACED BY H.M.J. CHECKED BY J.W.B.	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-2-1023


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

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



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

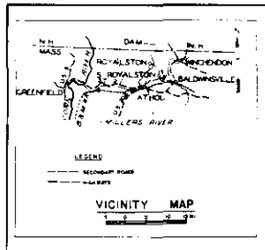
DRAWN BY E. J. H. TRACED BY E. J. H. CHECKED BY J. J. H.

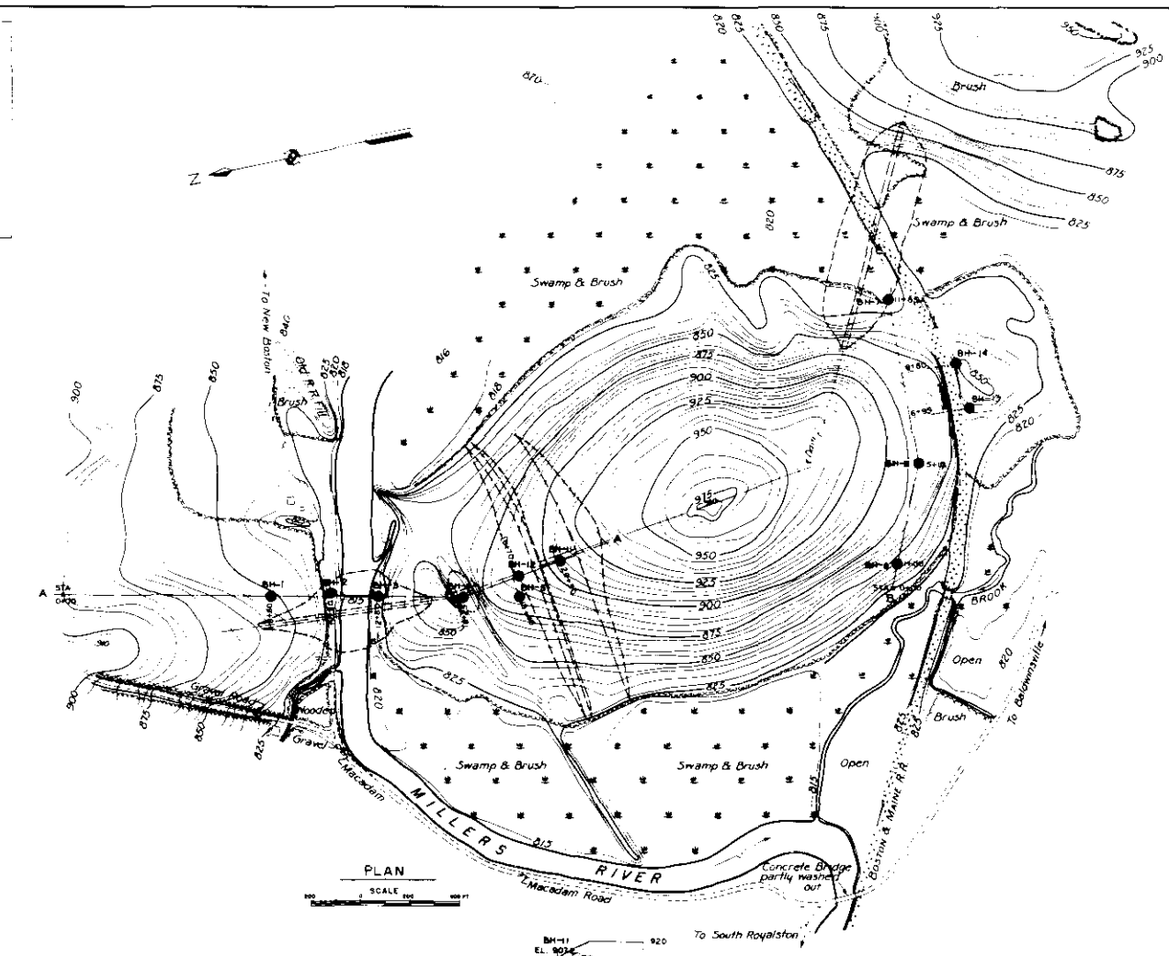
TO ACCOMPANY REPORT DATED MARCH 20, 1937

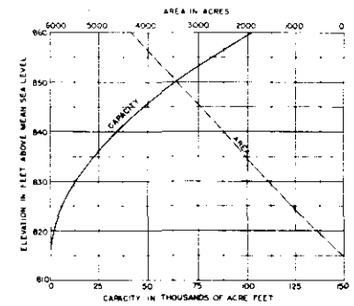
FILE NO. CT-1-1055

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY







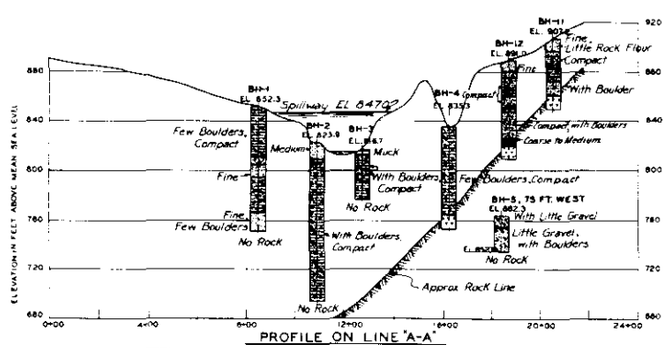
AREA AND CAPACITY CURVES

NOTE

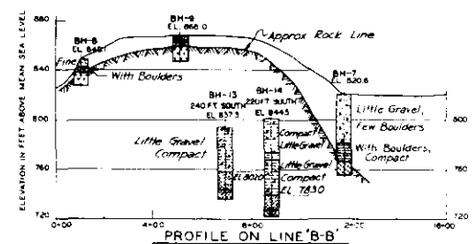
IMPERVIOUS AND PERVIOUS BORROW MATERIAL AVAILABLE FROM SELECTED PORTIONS OF SPILLWAY EXCAVATION SUPPLEMENTED BY ADDITIONAL MATERIAL WITHIN 0.3 MILES

LEGEND

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



PROFILE ON LINE "A-A"



PROFILE ON LINE "B-B"

CONNECTICUT RIVER FLOOD CONTROL

GEOLOGY

BIRCH HILL DAM

NO. 65

MILLERS RIVER, MASSACHUSETTS

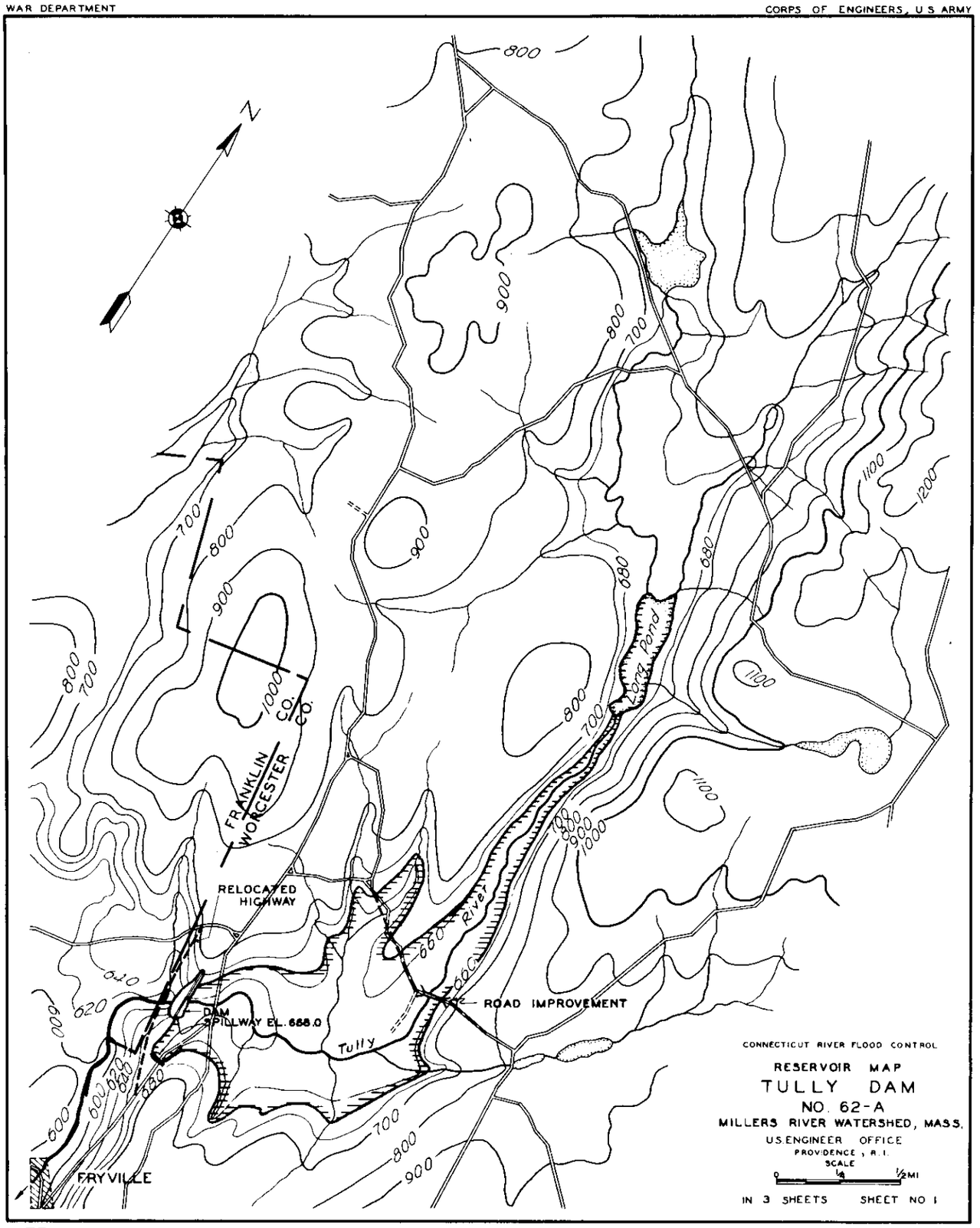
IN 3 SHEETS · SCALE AS SHOWN · SHEET NO. 3

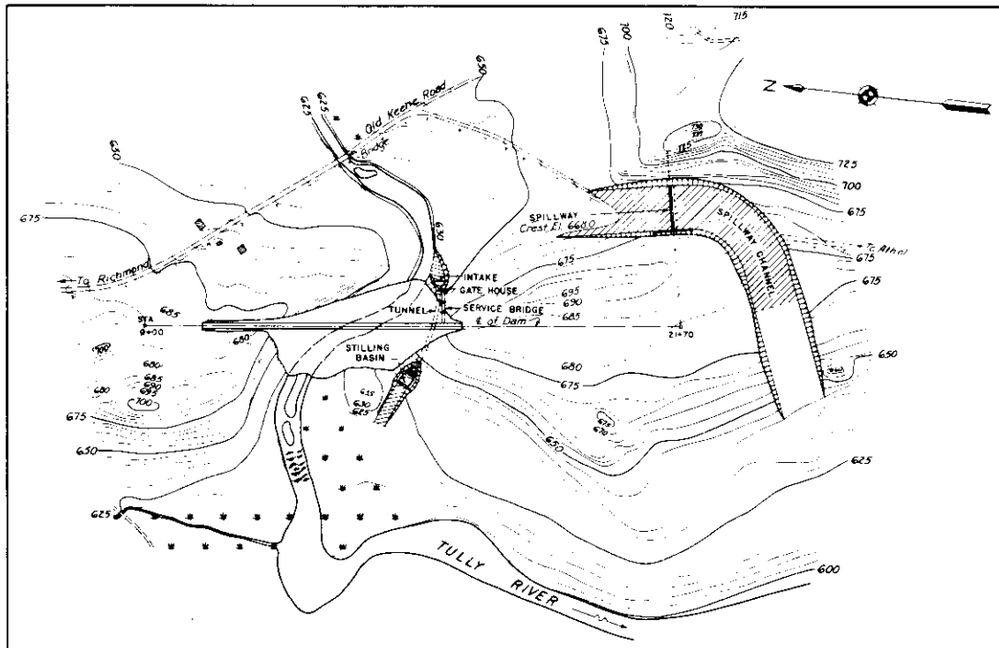
U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

SUBMITTED: GEOLOGIST · APPROVAL RECOMMENDED: PRINCIPAL ENGINEER · APPROVED: 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

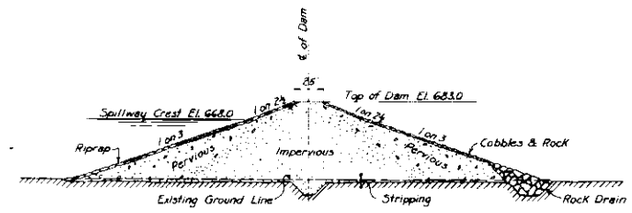
SEC. 4 - PLATE NO. 123


N
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



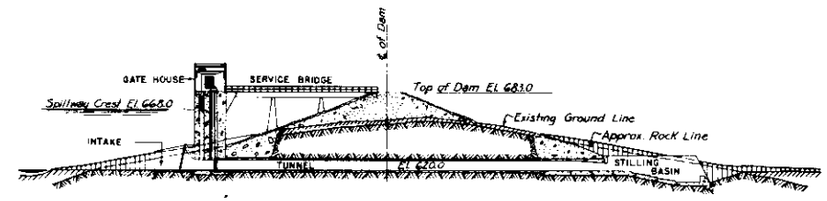
PLAN

SCALE 200 0 200 400 FT



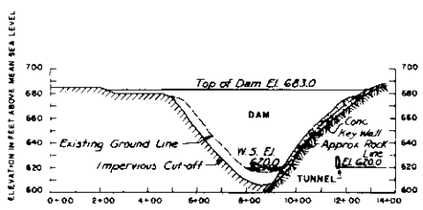
TYPICAL SECTION OF DAM

SCALE 40 0 40 80 FT

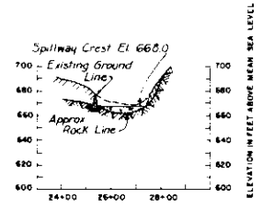


SECTION THROUGH ℄ OF TUNNEL

SCALE 40 0 40 80 FT



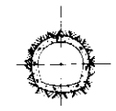
PROFILE ON ℄ OF DAM



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

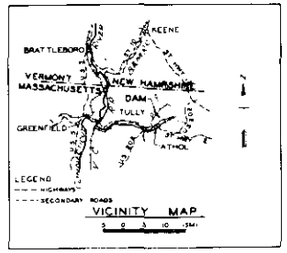
MILLERS RIVER WATERSHED, MASSACHUSETTS

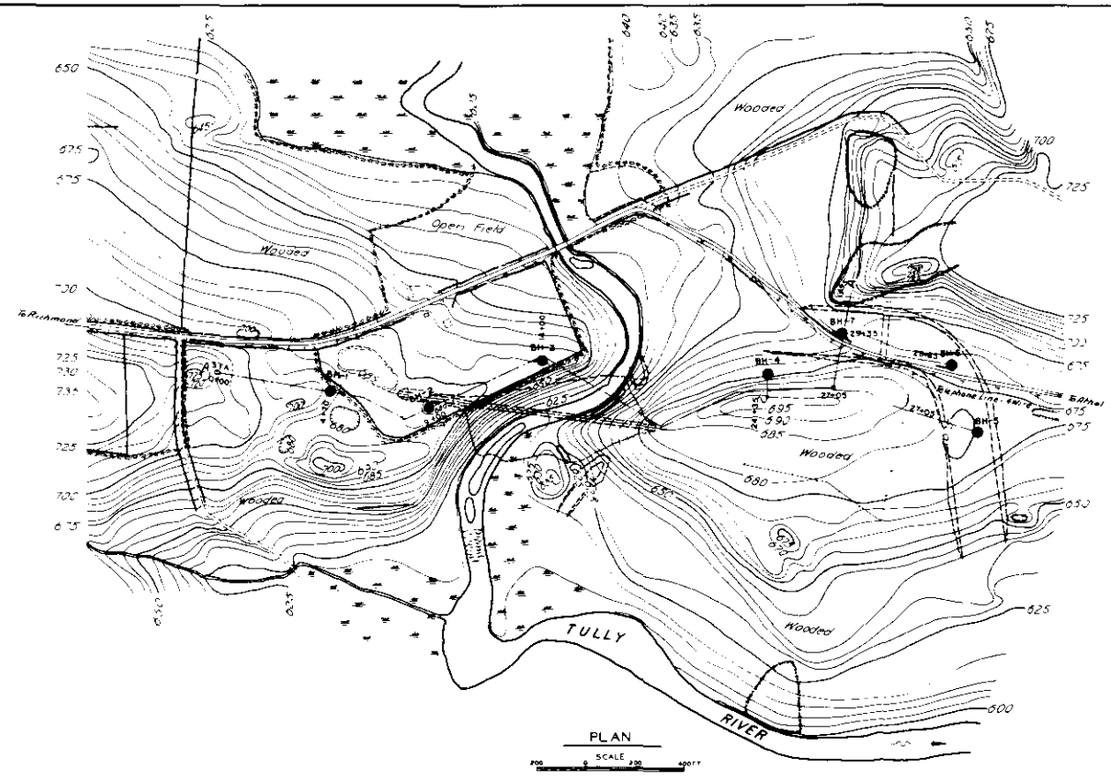
IN 3 SHEETS | SCALE AS SHOWN | SHEET NO. 2

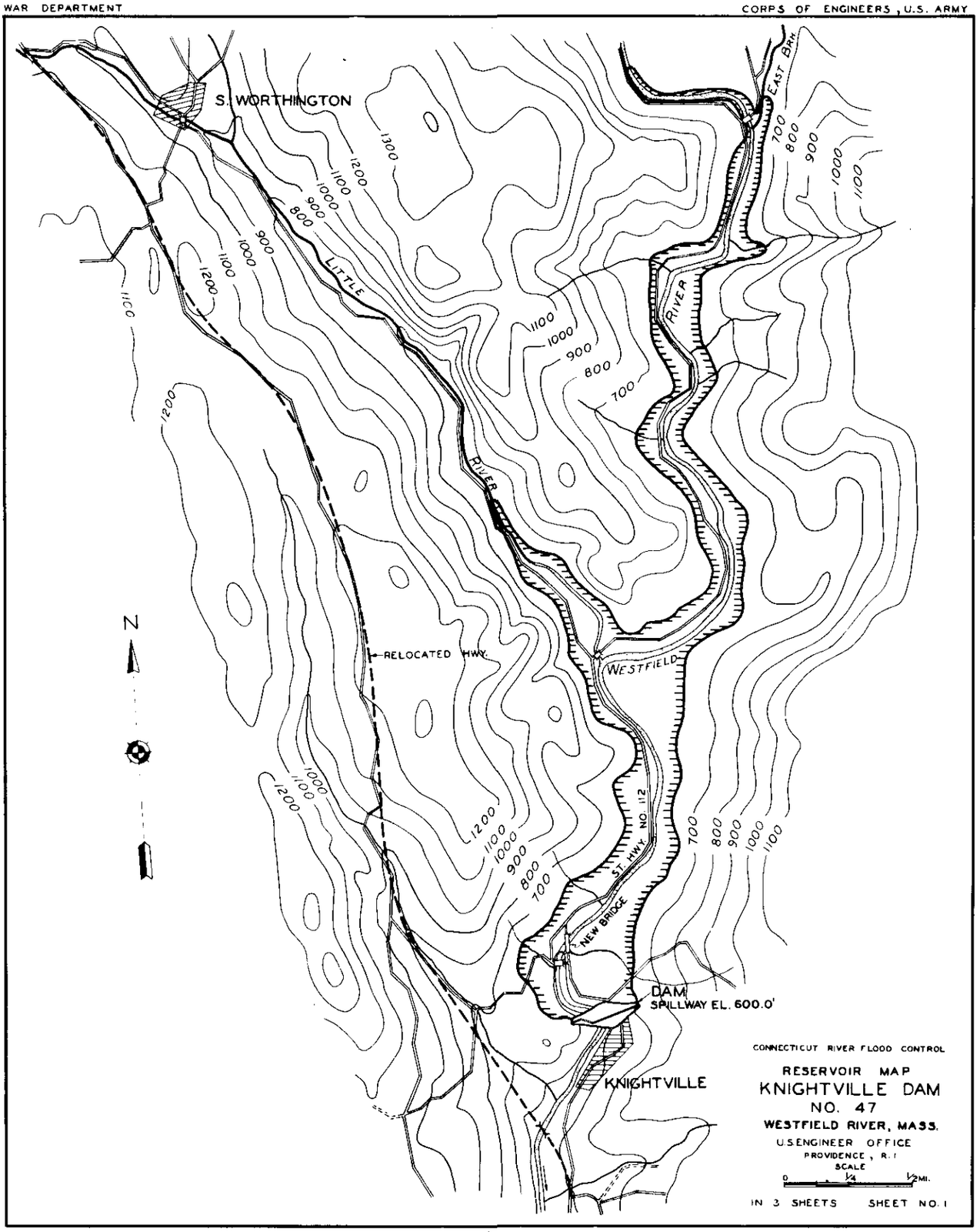
U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937

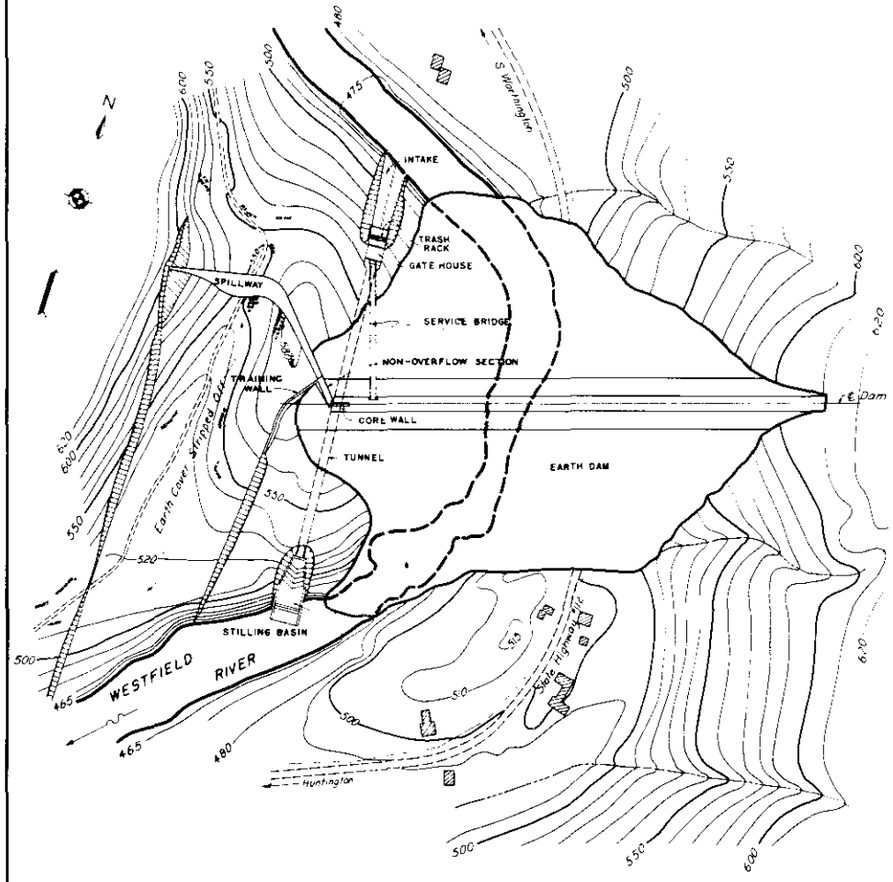
SUBMITTED: ENGINEER | APPROVAL RECOMMENDED: PRINCIPAL ENGINEER | APPROVED: LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

DRAWN BY: J.E.M. TRACED BY: E.A. CHECKED BY: | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO. CT-1-1057



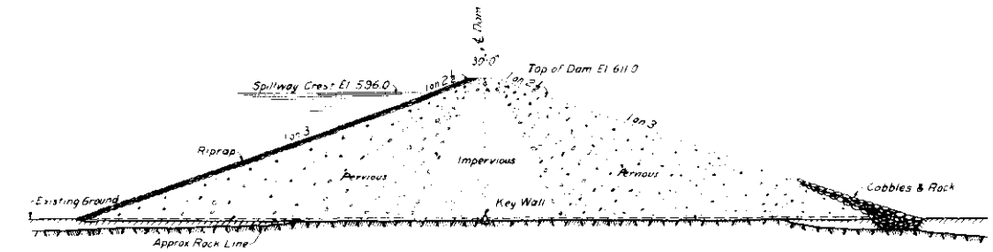

Wooded
Open Field
To Richmond
BH-1
BH-2
BH-3
BH-4
BH-5
BH-7
TULLY
RIVER
Wooded
Wooded
Wooded


S. WORTHINGTON
LITTLE
RIVER
EAST BRH.
WESTFIELD
RELOCATED HWY.
ST. HWY. NO. 112
NEW BRIDGE
DAM
SPILLWAY EL. 600.0'
KNIGHTVILLE
N
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



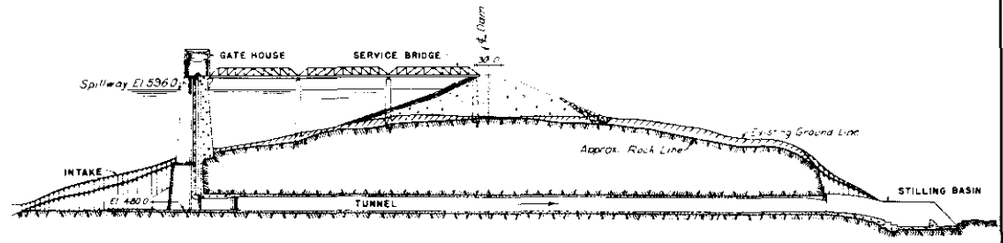
PLAN

SCALE



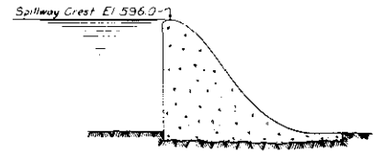
TYPICAL SECTION OF DAM

SCALE



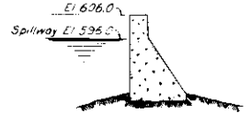
PROFILE ON ℄ OF TUNNEL

SCALE



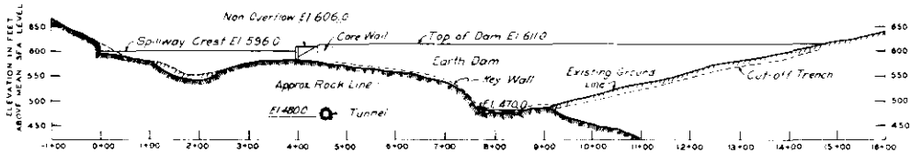
MAXIMUM SPILLWAY SECTION

SCALE

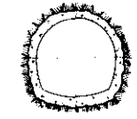


NON OVERFLOW SECTION

SCALE



PROFILE ON ℄ OF DAM



SECTION THRU TUNNEL

SCALE

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

KNIGHTVILLE DAM

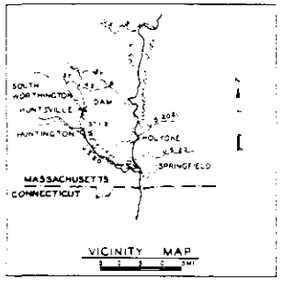
NO. 47

WESTFIELD RIVER, MASSACHUSETTS

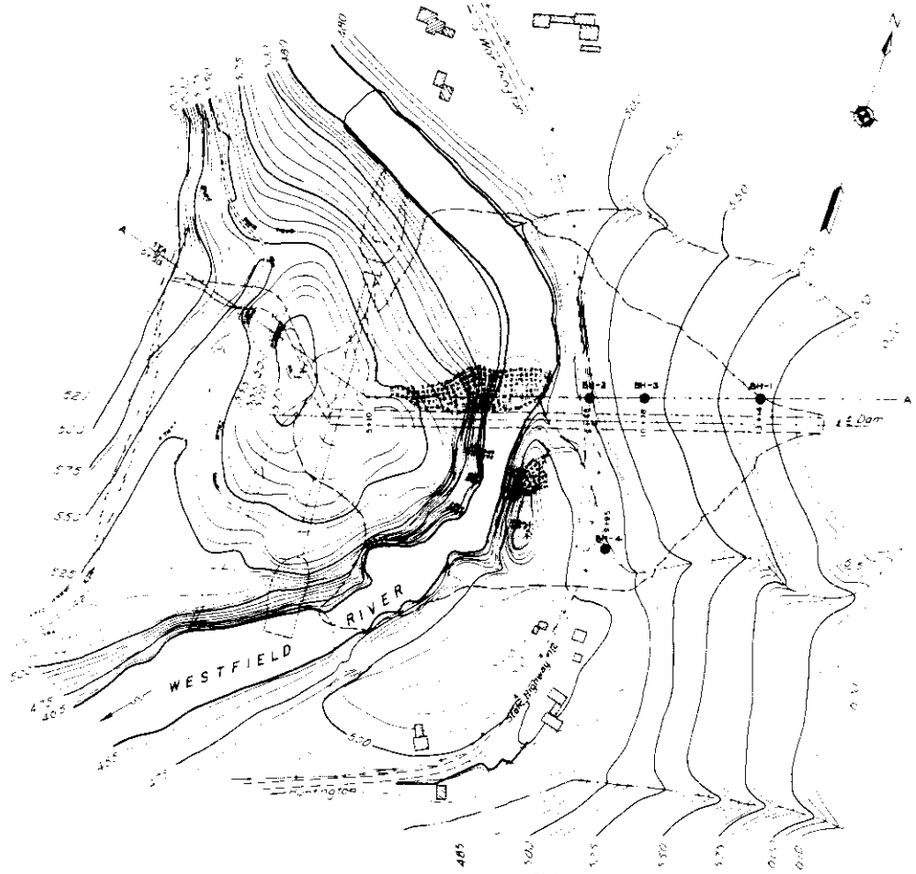
IN 3 SHEETS	SCALE AS SHOWN	SHEET NO. 2
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937		
SUBMITTED ENGINEER	APPROVAL RECOMMENDED PRINCIPAL ENGINEER	APPROVED LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER
DRAWN BY F.O.S.M. TRACED BY J.C. CHECKED BY D.O.M.	TO ACCOMPANY REPORT DATED MARCH 20, 1937	FILE NO. CT-1-1059

WAR DEPARTMENT

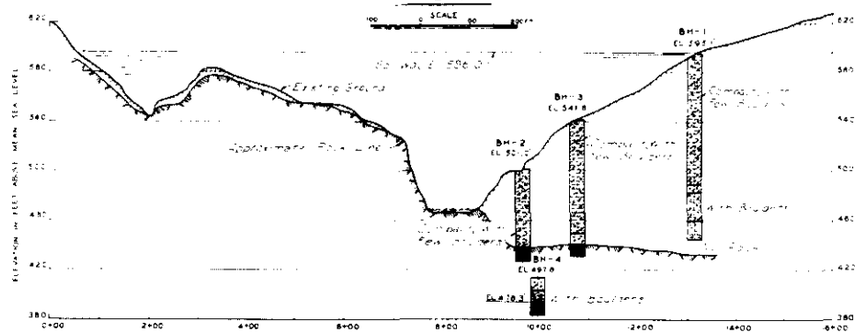
CORPS OF ENGINEERS. U.S. ARMY



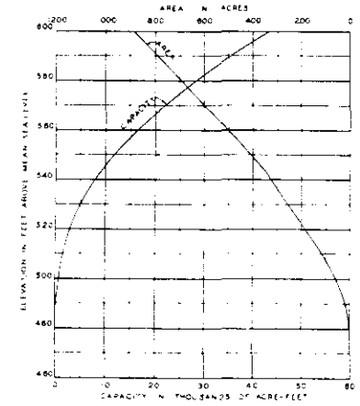
VICINITY MAP



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

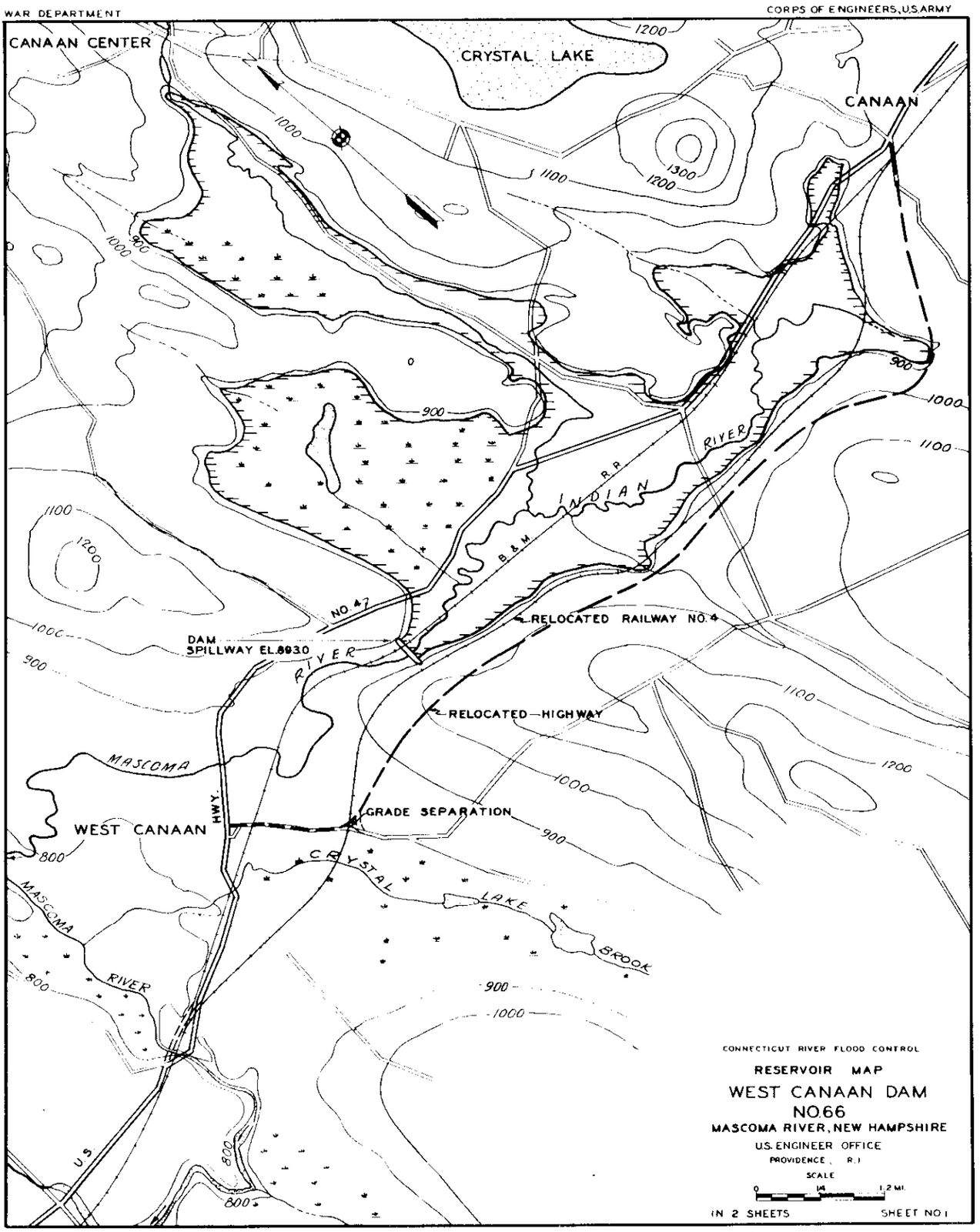
SUBMITTED: GEOLOGIST — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

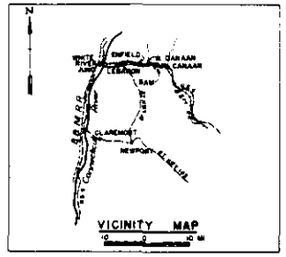
DRAWN BY J.E.P. TRACED BY P.L.G. CHECKED BY J.W.A. — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-2-1026

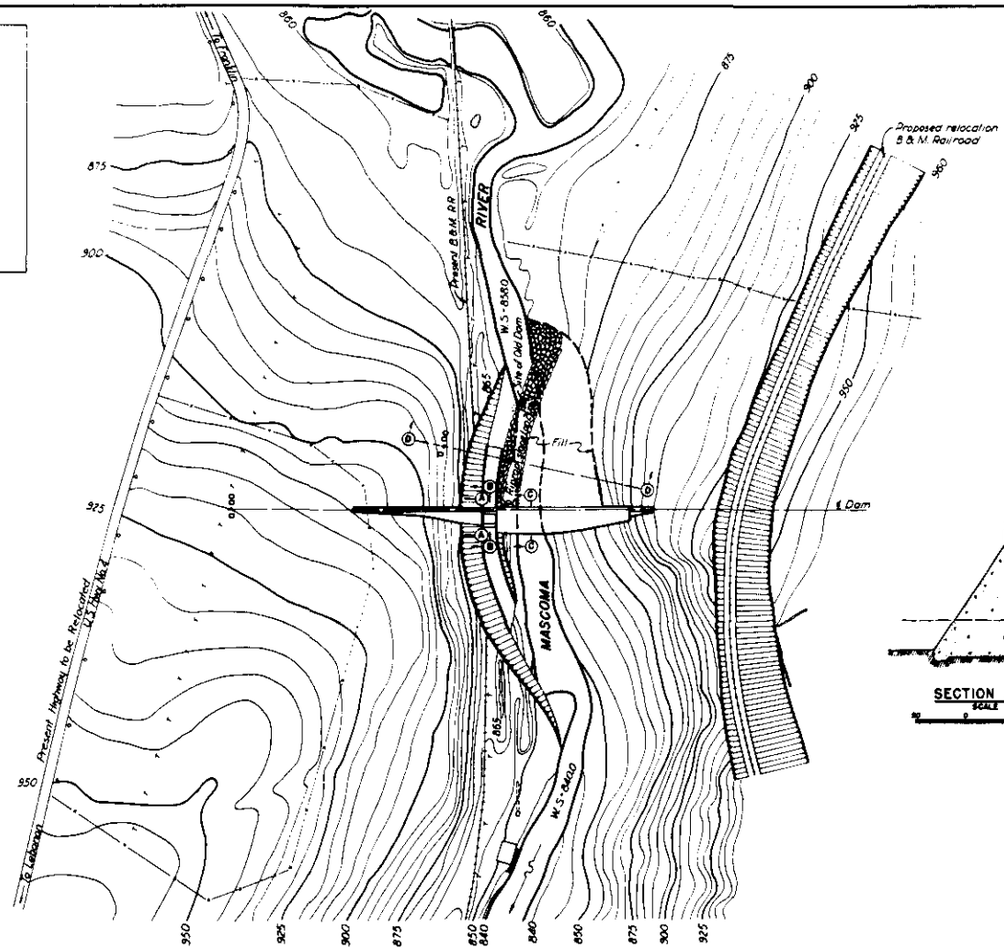
SEC. 4 - PLATE NO 129

WAR DEPARTMENT

CORPS OF ENGINEERS, U.S. ARMY

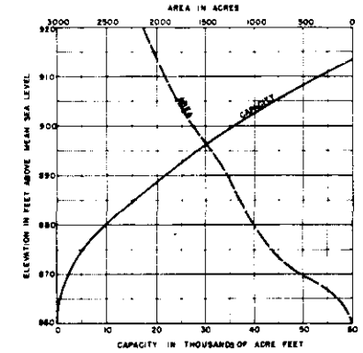




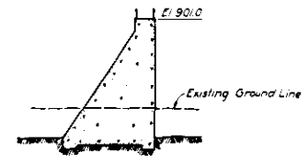


PLAN

SCALE

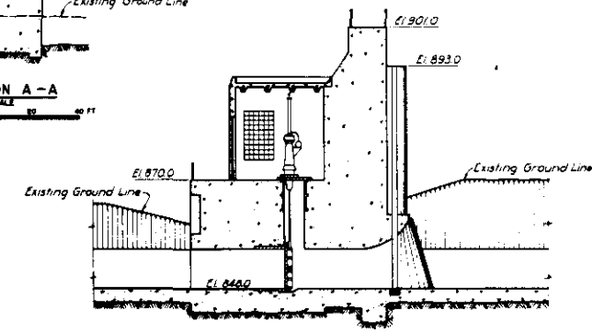


AREA AND CAPACITY CURVES



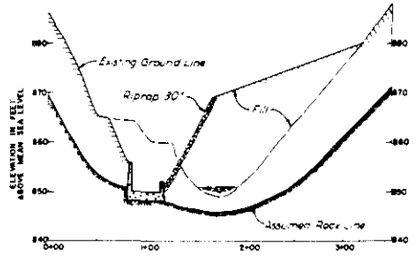
SECTION A-A

SCALE

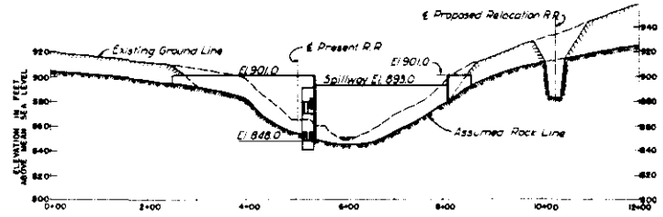


SECTION B-B

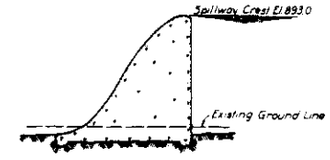
SCALE



PROFILE AT "D-D"



PROFILE ON ℄ DAM



SECTION C-C

SCALE

CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

WEST CANAAN DAM

MASCOMA RIVER — NEW HAMPSHIRE

IN 5 SHEETS — SCALE AS SHOWN — SHEET NO. 2

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

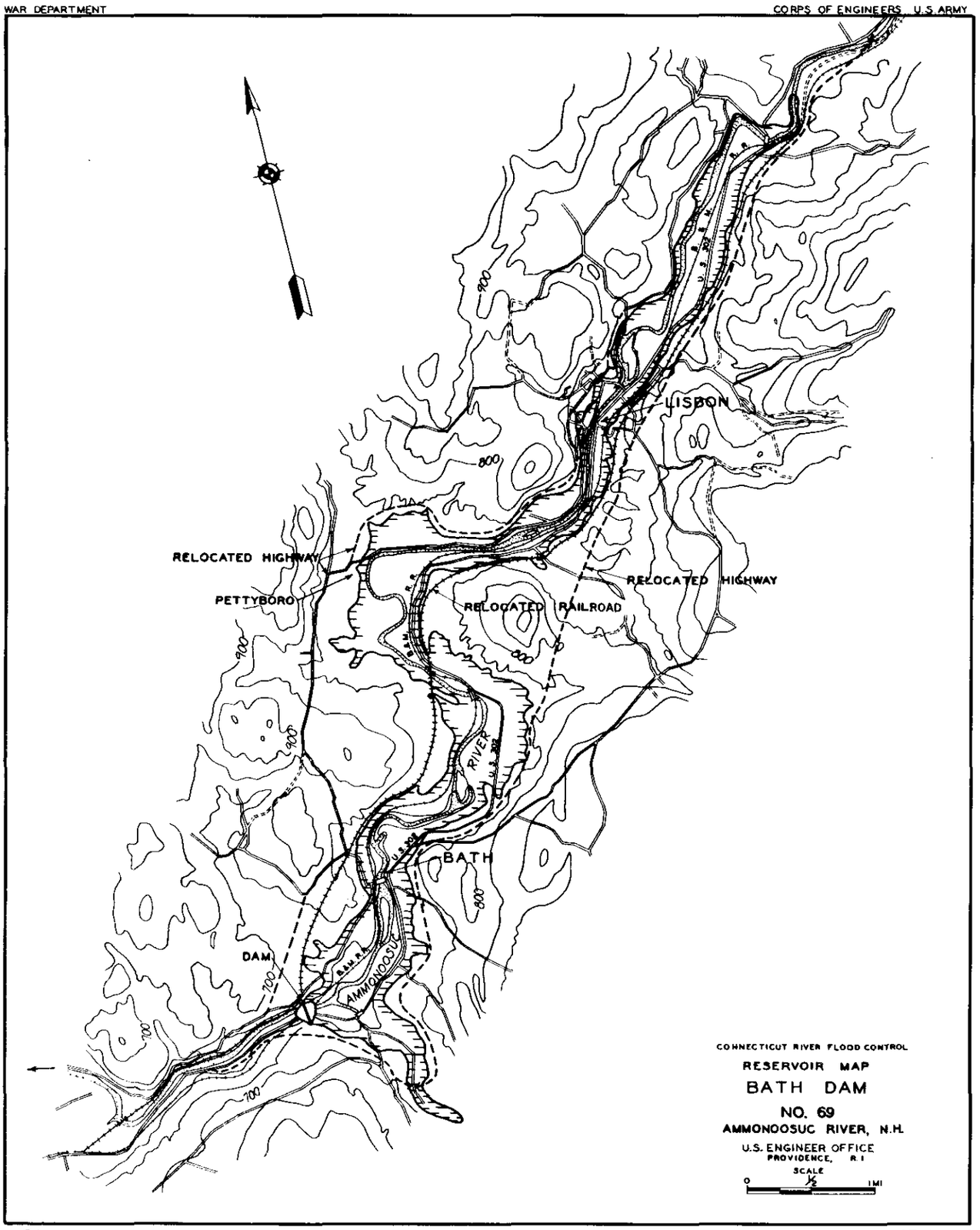
SUBMITTED — APPROVAL RECOMMENDED — APPROVED

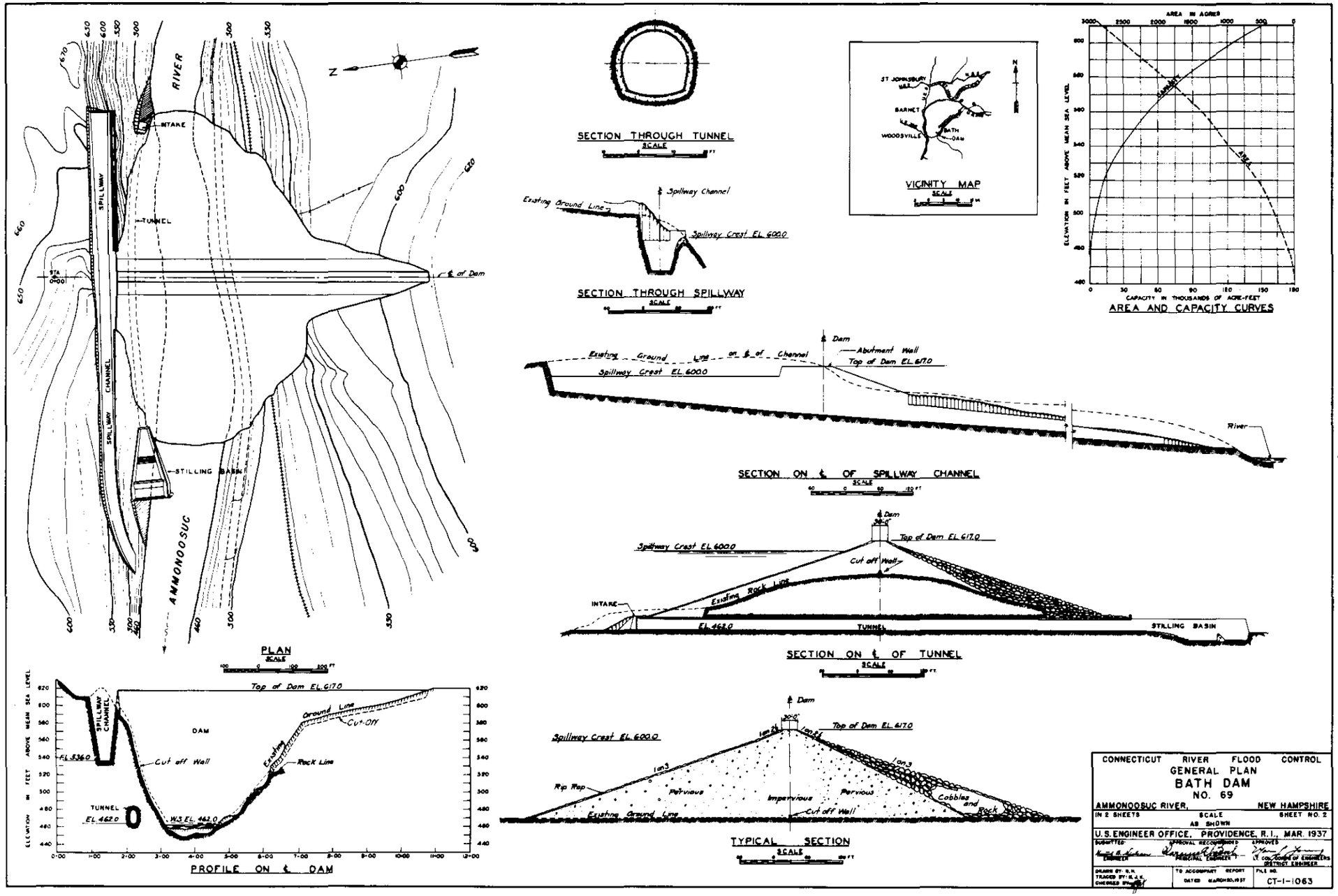
ENGINEER — PRINCIPAL ENGINEER — LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

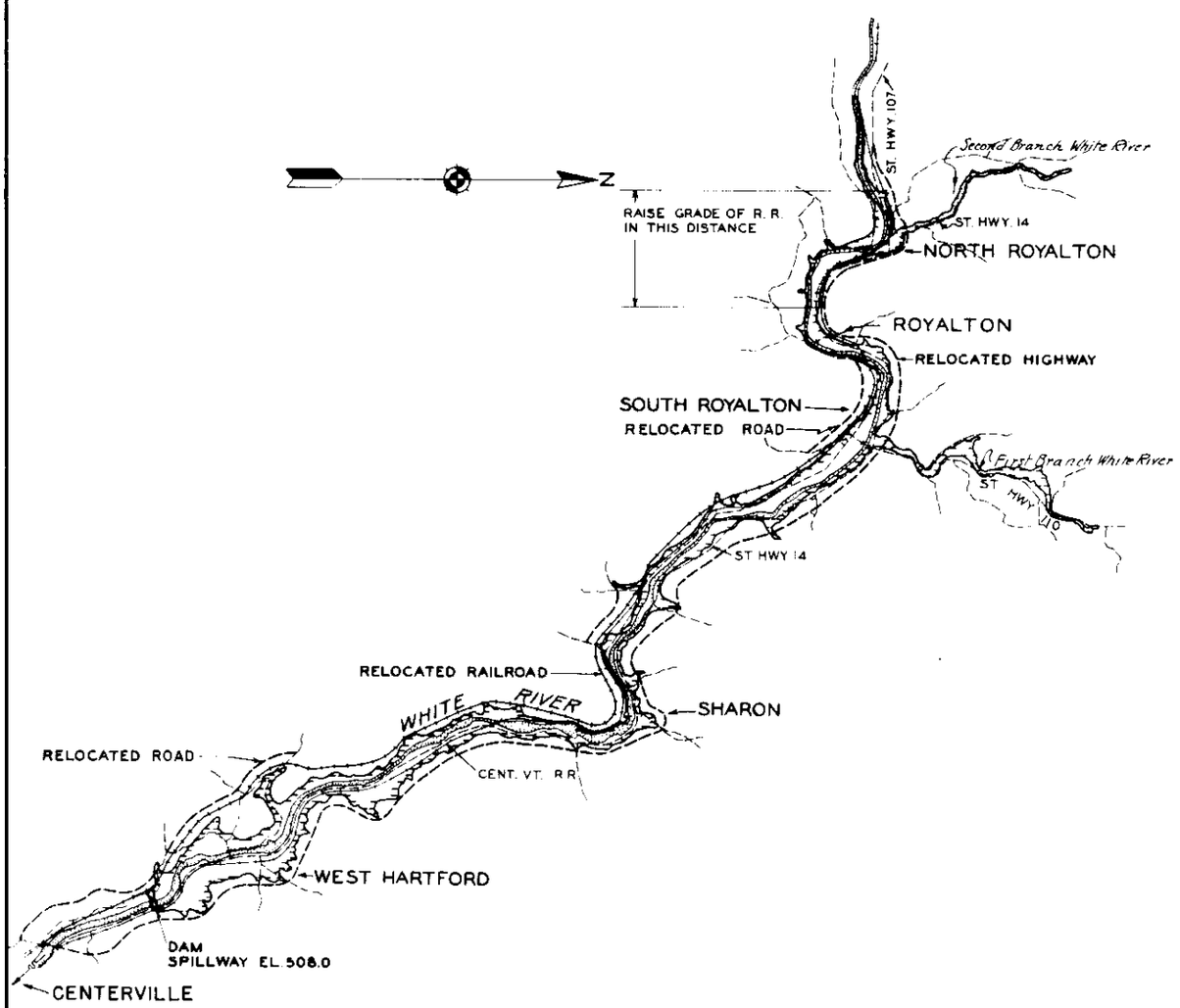
DRAWN BY F.W.B. & J.S.M. — TRACED BY H.W.J. — CHECKED BY — TO ACCOMPANY REPORT DATED MARCH 30, 1937

FILE NO. CT-1-1067

SEC. 4 - PLATE NO. (2)


LISBON
RELOCATED HIGHWAY
PETTYBORO
RELOCATED HIGHWAY
RELOCATED RAILROAD
RIVER
BATH
DAM
AMMONOOSUC
900
800
700
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
BATH DAM
NO. 69
AMMONOOSUC RIVER, N.H.
U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
SCALE
0 ½ 1 MI


RIVER
INTAKE
TUNNEL
SPILLWAY
CHANNEL
SPILLWAY
STILLING BASIN
AMMONOOSUC
℄ of Dam
STA 0+00
PLAN
SCALE
SECTION THROUGH TUNNEL
SCALE
℄ Spillway Channel
Existing Ground Line
Spillway Crest EL 600.0
SECTION THROUGH SPILLWAY
SCALE
ST JOHNSBURY
BARNET
WOODSVILLE
BATH DAM
VICINITY MAP
SCALE
AREA IN ACRES
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
CAPACITY IN THOUSANDS OF ACRE-FEET
AREA AND CAPACITY CURVES
℄ Dam
Existing Ground Line on ℄ of Channel
Abutment Wall
Top of Dam EL 617.0
Spillway Crest EL 600.0
River
SECTION ON ℄ OF SPILLWAY CHANNEL
SCALE
℄ Dam
30'-0"
Top of Dam EL 617.0
Spillway Crest EL 600.0
Cut off Wall
Existing Rock Line
INTAKE
EL 462.0
TUNNEL
STILLING BASIN
SECTION ON ℄ OF TUNNEL
SCALE
℄ Dam
30'-0"
Top of Dam EL 617.0
Spillway Crest EL 600.0
1 on 2
1 on 3
Rip Rap
Pervious
Impervious
Pervious
Cobbles and Rock
Existing Ground Line
Cut off Wall
TYPICAL SECTION
SCALE
Top of Dam EL 617.0
SPILLWAY CHANNEL
DAM
Ground Line
Cut-Off
Existing
Rock Line
Cut off Wall
FL 536.0
TUNNEL
EL 462.0
W.S. EL 462.0
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
PROFILE ON ℄ DAM
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.K.
CHECKED BY:
TO ACCOMPANY REPORT
DATED MARCH 20, 1937
FILE NO.
CT-1-1063



CONNECTICUT RIVER FLOOD CONTROL

RESERVOIR MAP

CENTERVILLE DAM

NO. 70

WHITE RIVER, VERMONT

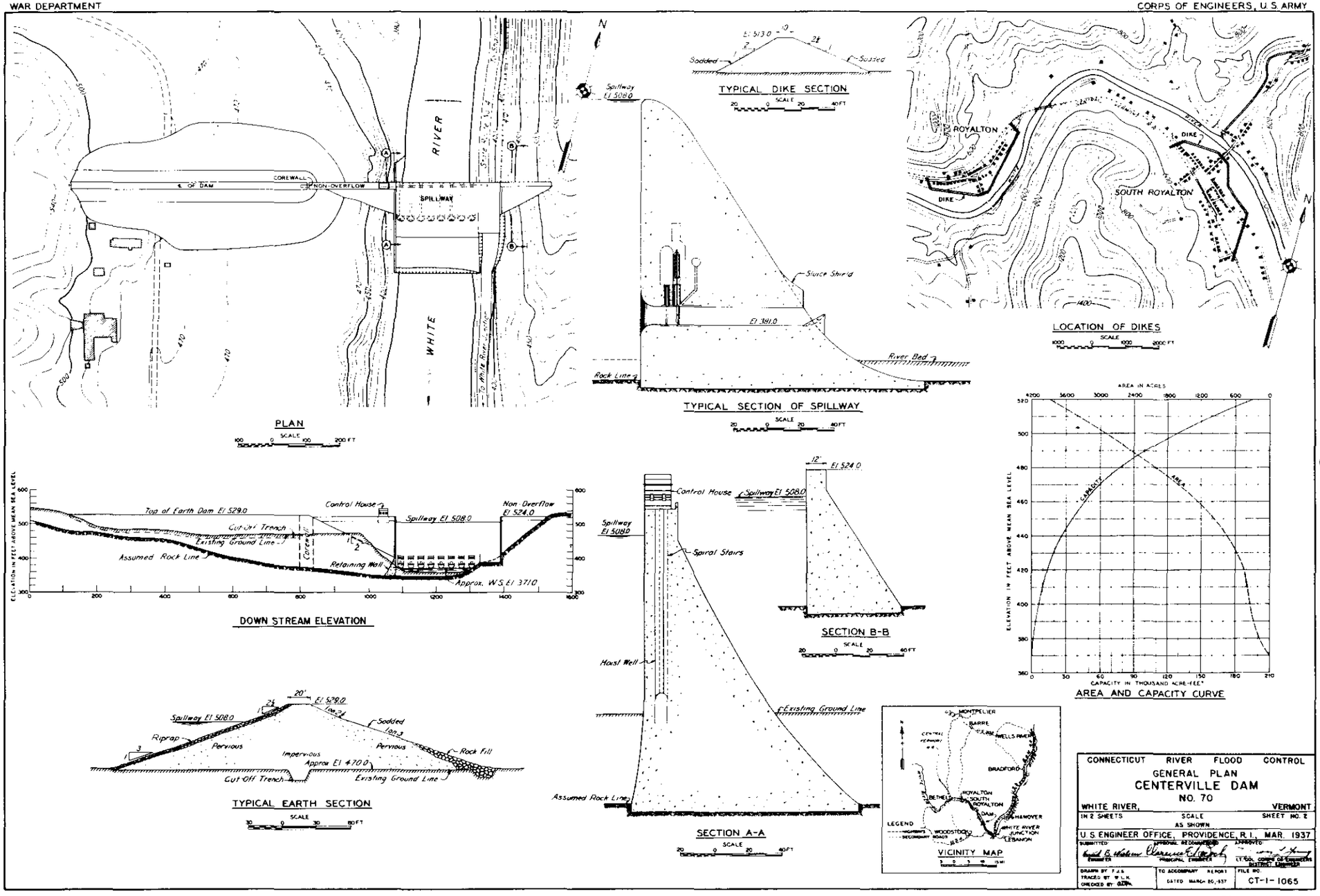
U. S. ENGINEER OFFICE

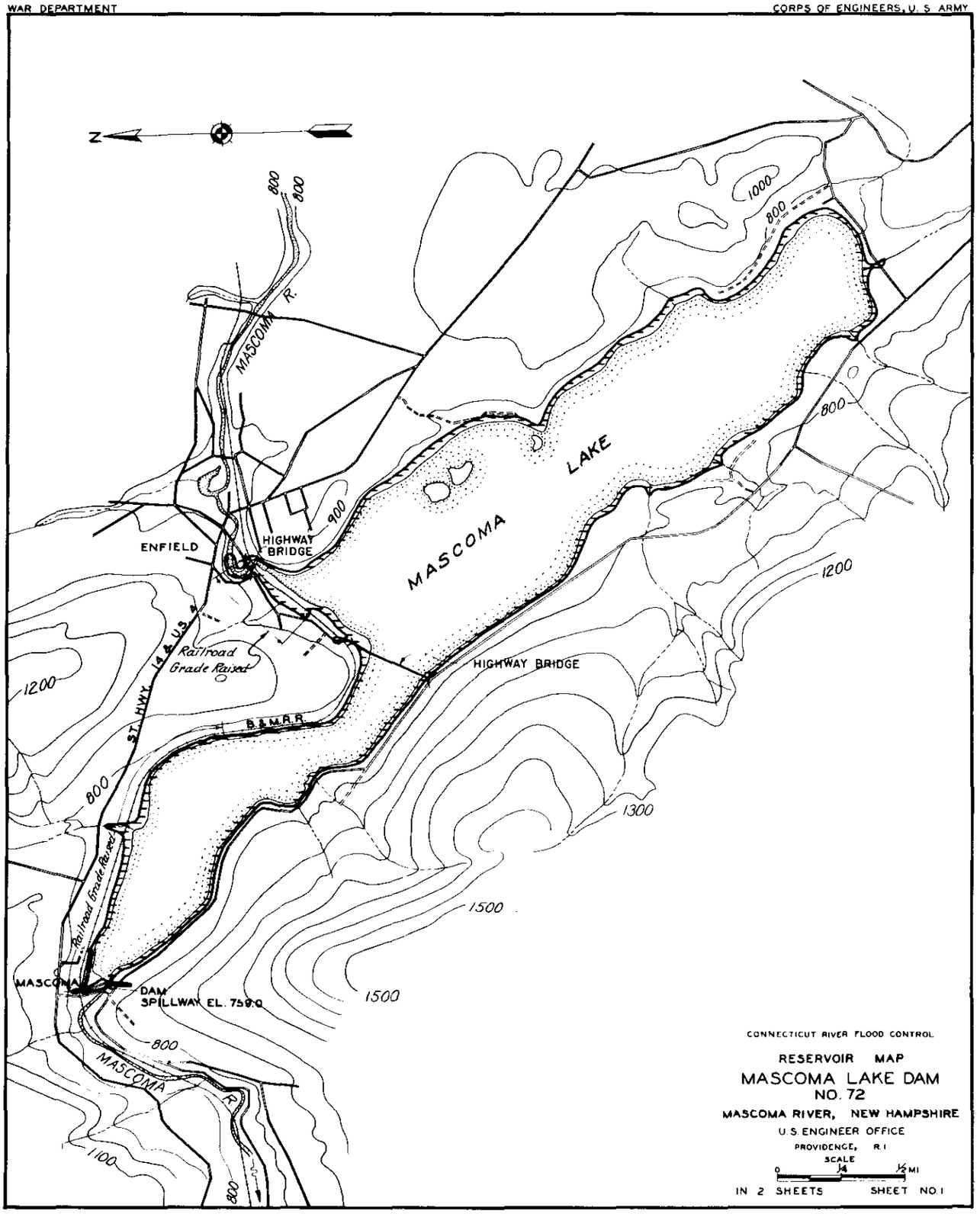
PROVIDENCE, R. I.

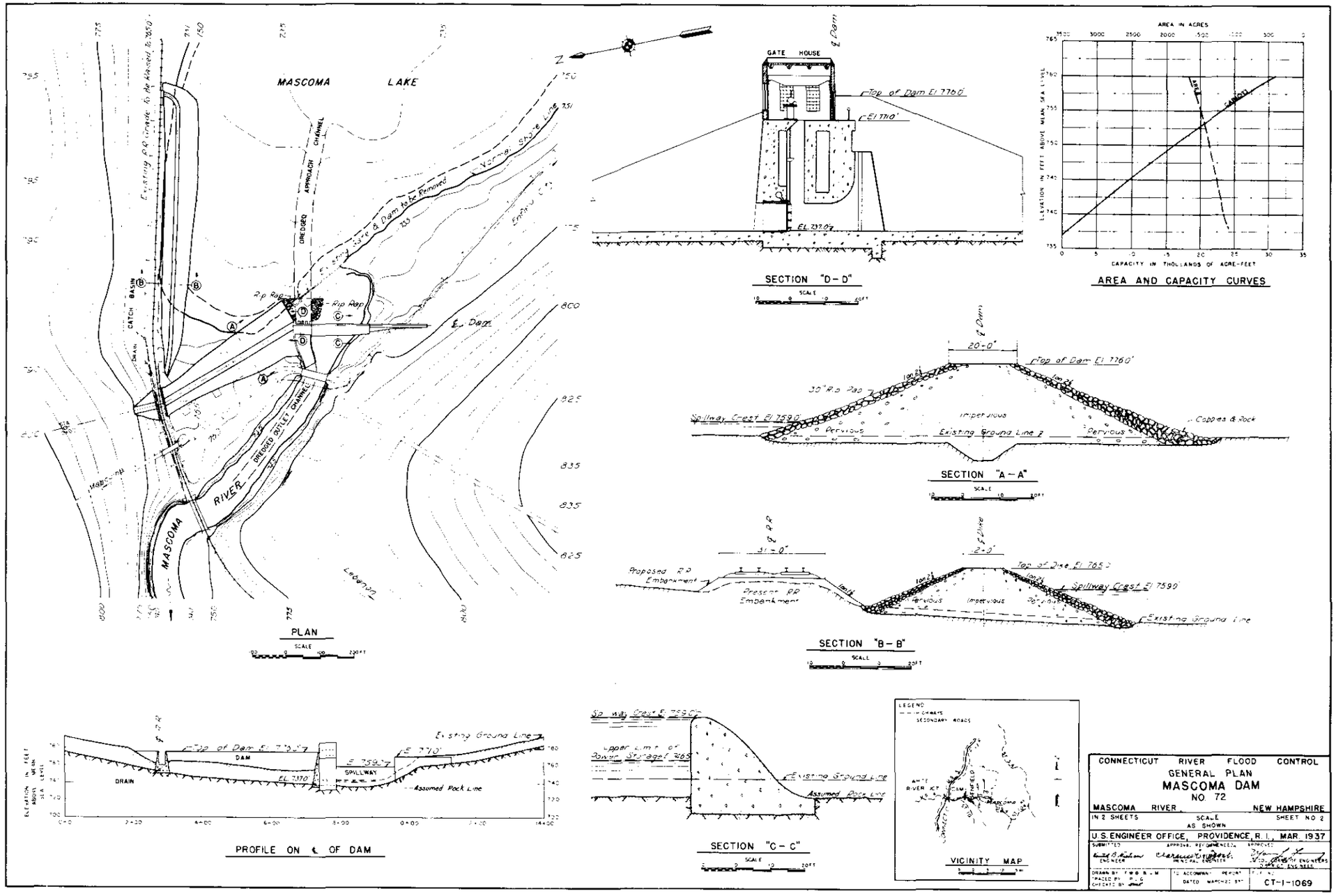
SCALE

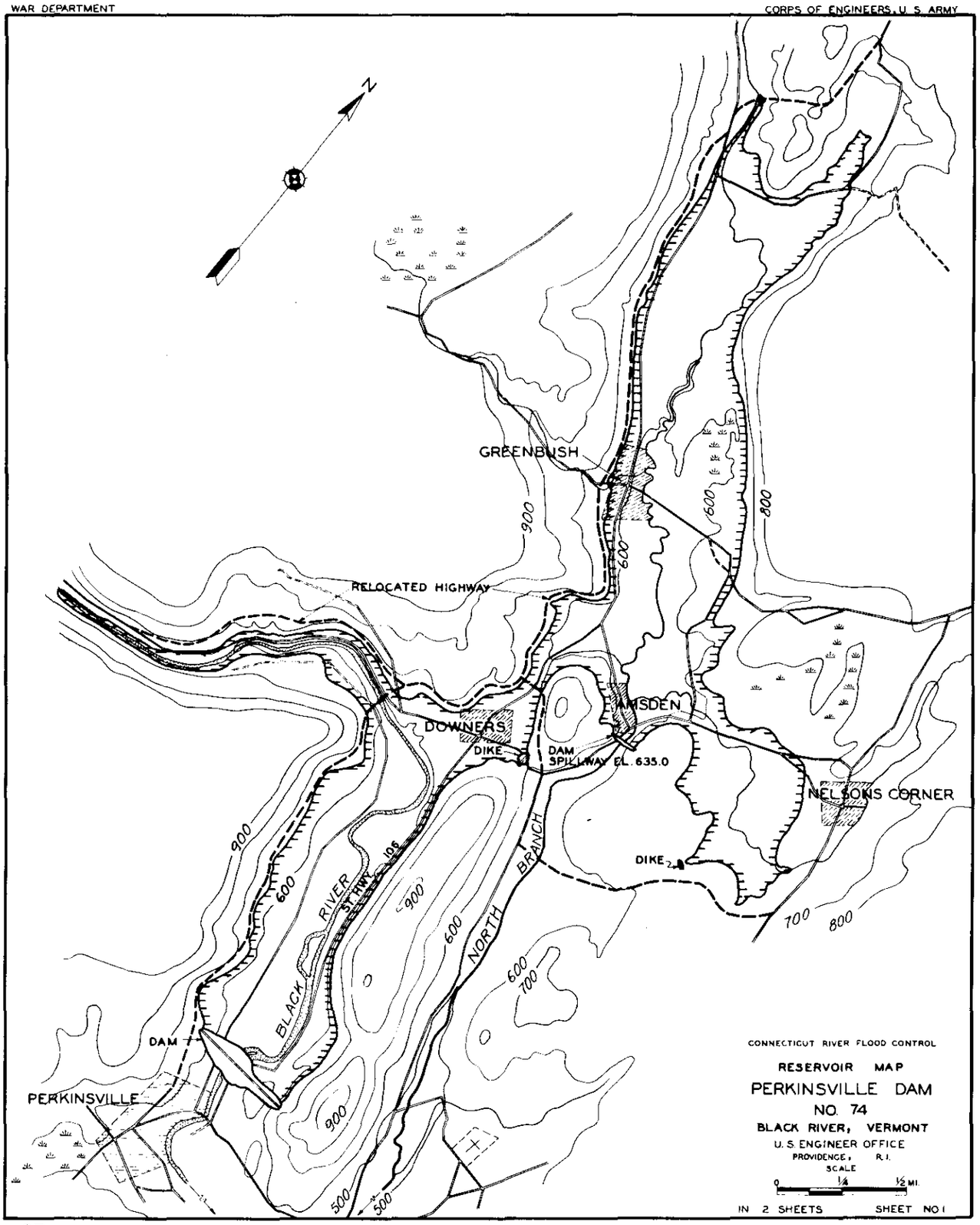
0 1 2MI

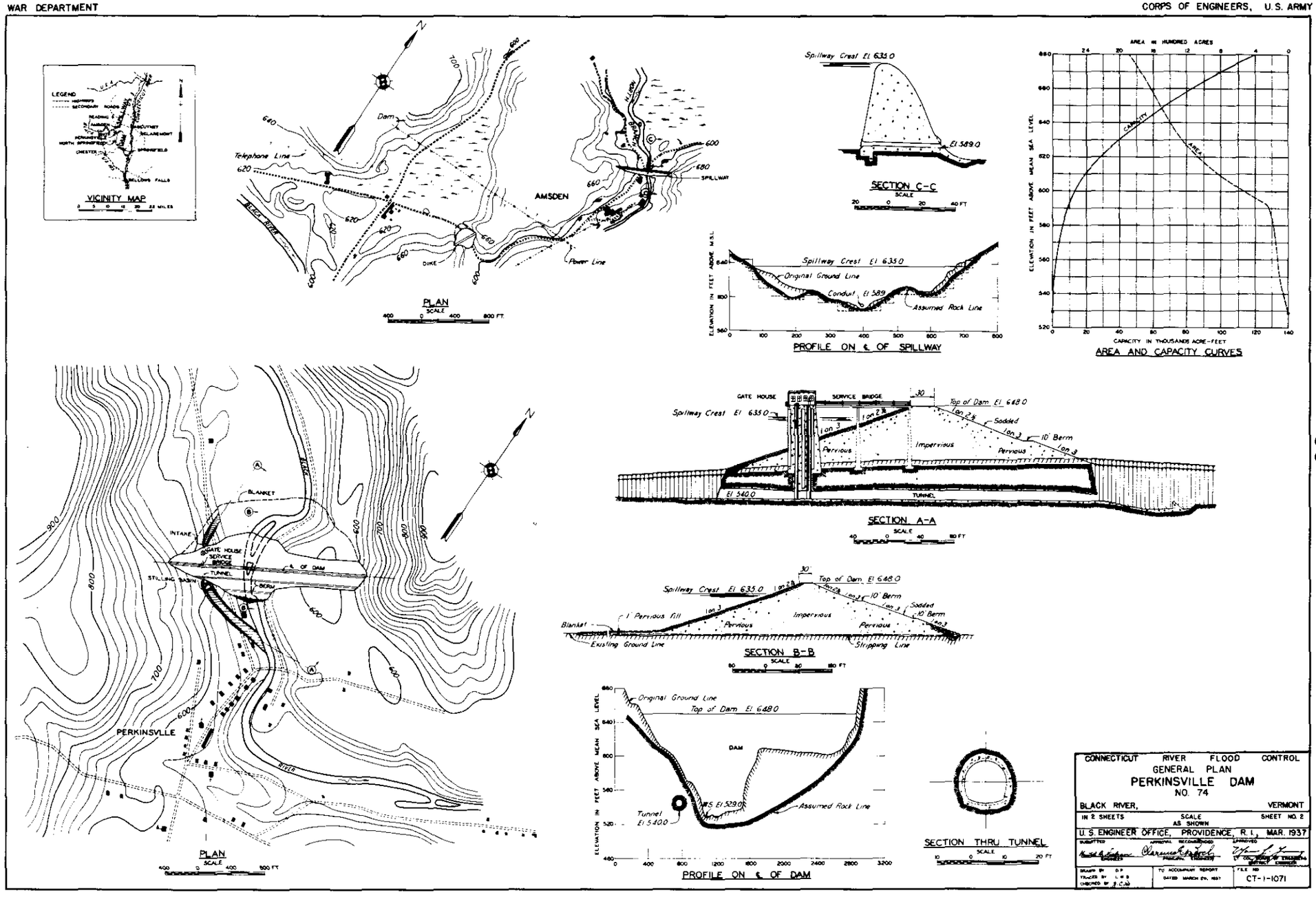
IN 2 SHEETS SHEET NO. 1


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


N
800
800
MASCOMA R.
1000
800
800
LAKE
MASCOMA
900
ENFIELD
HIGHWAY BRIDGE
1200
ST. HWY. 14 & U.S. 4
Railroad Grade Raised
HIGHWAY BRIDGE
1200
B & M R.R.
800
1300
Railroad Grade Raised
1500
MASCOMA
DAM
SPILLWAY EL. 759.0
1500
800
MASCOMA R.
1100
800
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


N
GREENBUSH
RELOCATED HIGHWAY
DOWNERS
DIKE
DAM
SPILLWAY EL. 635.0
AMSDEN
NELSONS CORNER
DIKE
BLACK RIVER
ST. HWY. 105
NORTH BRANCH
DAM
PERKINSVILLE
900
600
700
800
500
CONNECTICUT RIVER FLOOD CONTROL
RESERVOIR MAP
PERKINSVILLE DAM
NO. 74
BLACK RIVER, VERMONT
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.
SCALE
0 1/4 1/2 MI.
IN 2 SHEETS SHEET NO 1


VICINITY MAP
LEGEND
PLAN
SCALE
Telephone Line
Dam
AMSDEN
DIKE
Power Line
SPILLWAY
BLACK RIVER
SECTION C-C
Spillway Crest El 635.0
El 589.0
PROFILE ON ℄ OF SPILLWAY
Original Ground Line
Conduit El 589
Assumed Rock Line
ELEVATION IN FEET ABOVE M.S.L.
AREA AND CAPACITY CURVES
AREA IN HUNDRED ACRES
CAPACITY IN THOUSANDS ACRE-FEET
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
CAPACITY
AREA
SECTION A-A
GATE HOUSE
SERVICE BRIDGE
Top of Dam El 648.0
Sodded
10' Berm
Impervious
Pervious
El 540.0
TUNNEL
SECTION B-B
1' Pervious fill
Blanket
Existing Ground Line
Stripping Line
PLAN
BLANKET
INTAKE
GATE HOUSE
SERVICE BRIDGE
TUNNEL
STILLING BASIN
BERM
℄ OF DAM
PERKINSVLLE
RIVER
PROFILE ON ℄ OF DAM
Original Ground Line
Top of Dam El 648.0
DAM
Tunnel El 540.0
Assumed Rock Line
SECTION THRU TUNNEL
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
CT-1-1071

SECTION 5

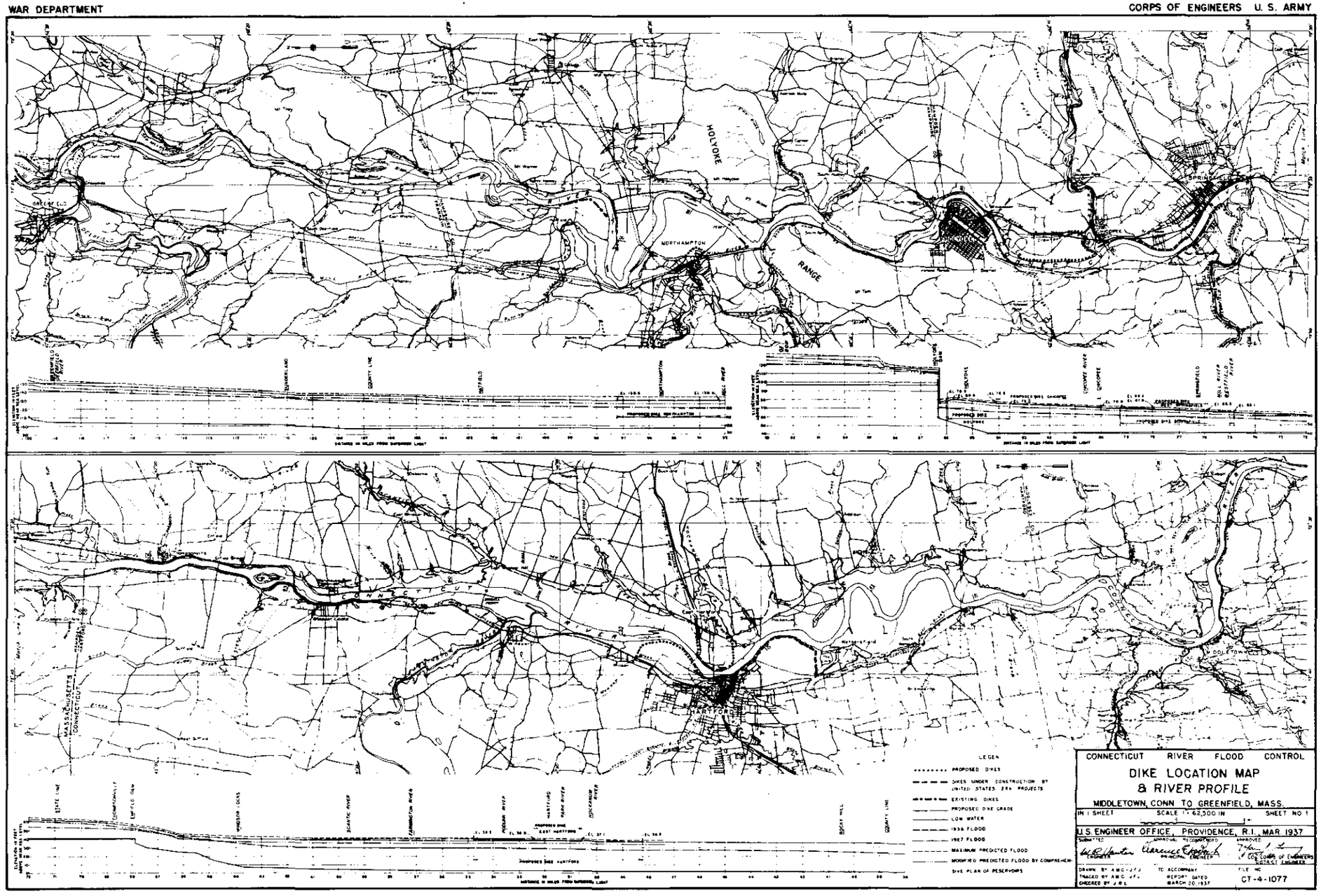
PLATE REFERENCE

MAPS AND PLANS

DIKES - DETAILS

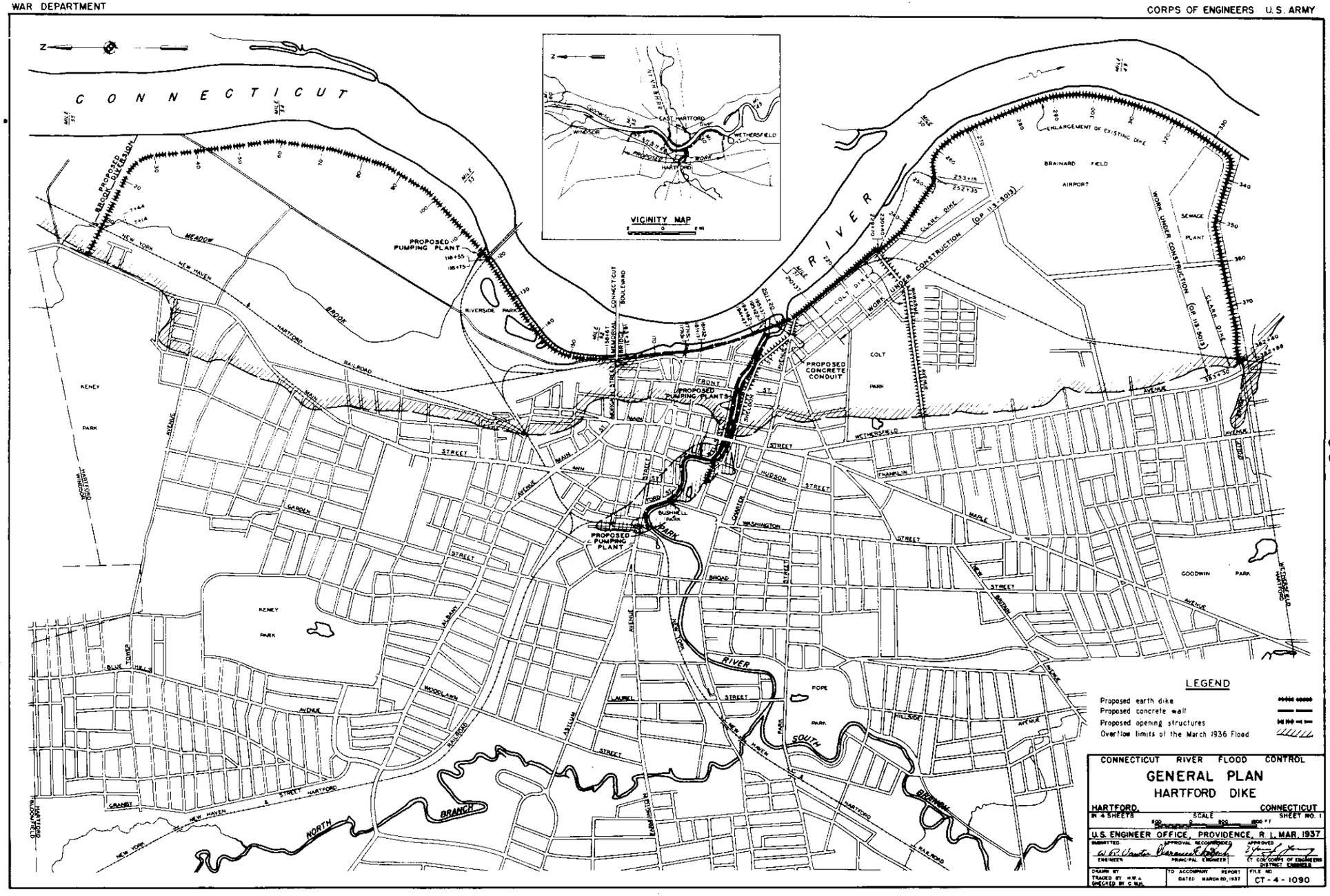
WAR DEPARTMENT

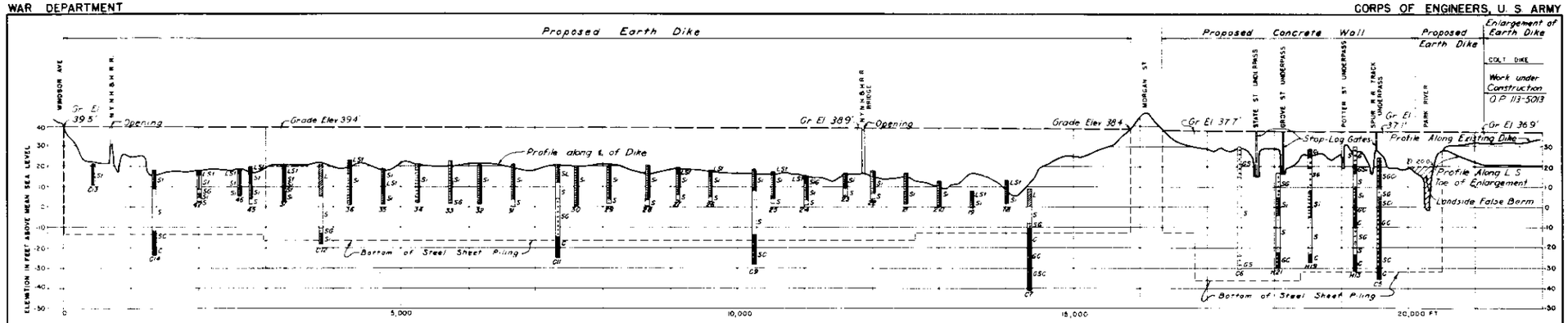
CORPS OF ENGINEERS U. S. ARMY



WAR DEPARTMENT

CORPS OF ENGINEERS U.S. ARMY



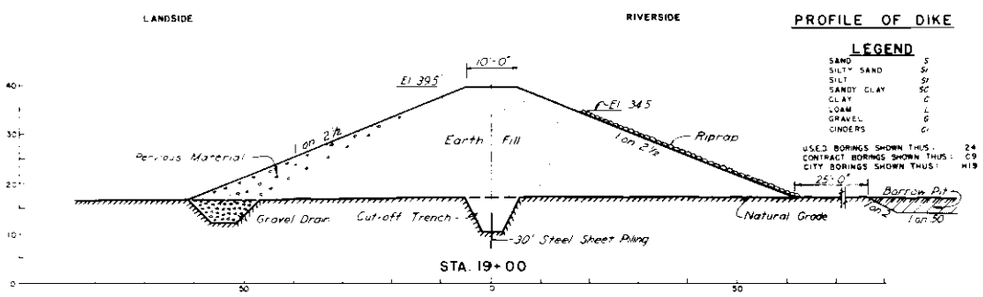


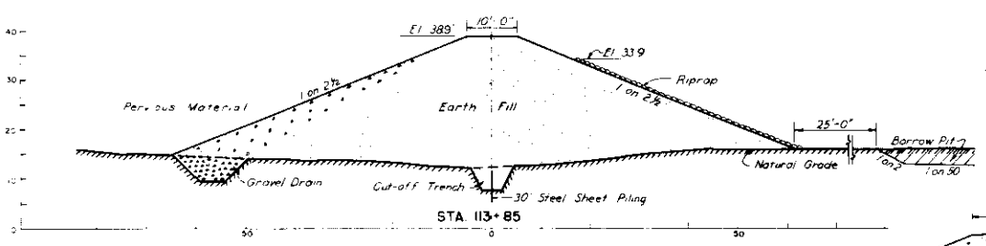
PROFILE OF DIKE

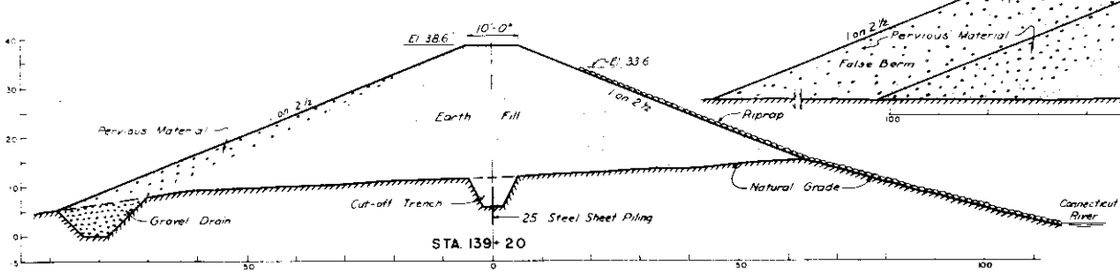
LEGEND

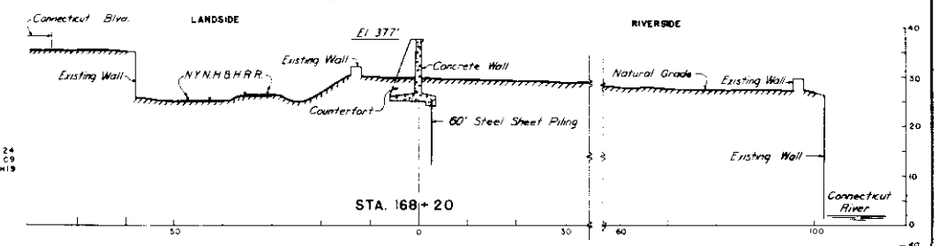
SAND	S
SILTY SAND	Si
SILT	Si
SANDY CLAY	SC
CLAY	C
LOAM	L
GRAVEL	G
CINDERS	Cr

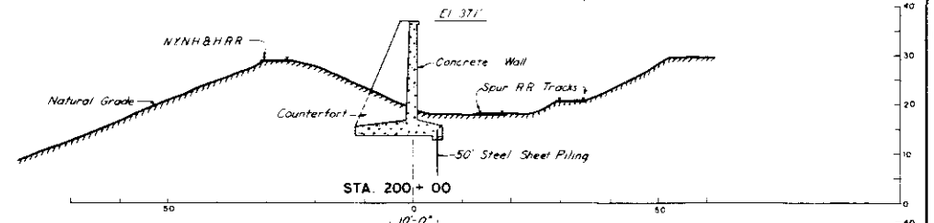
U.S.E.D. BORINGS SHOWN THUS: 24
CONTRACT BORINGS SHOWN THUS: C9
CITY BORINGS SHOWN THUS: H19

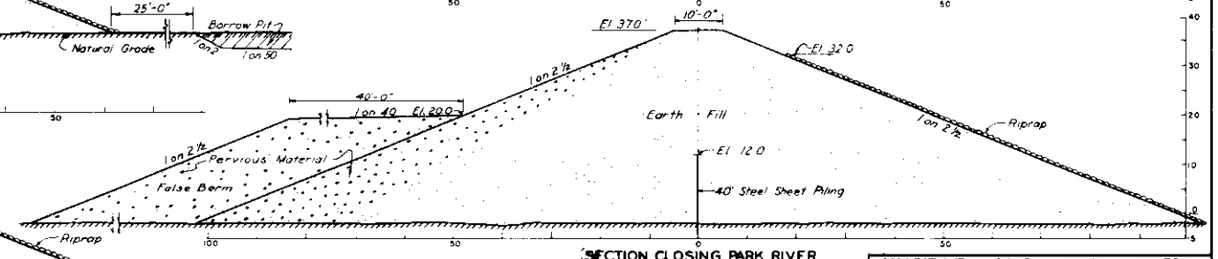












SECTION CLOSING PARK RIVER

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

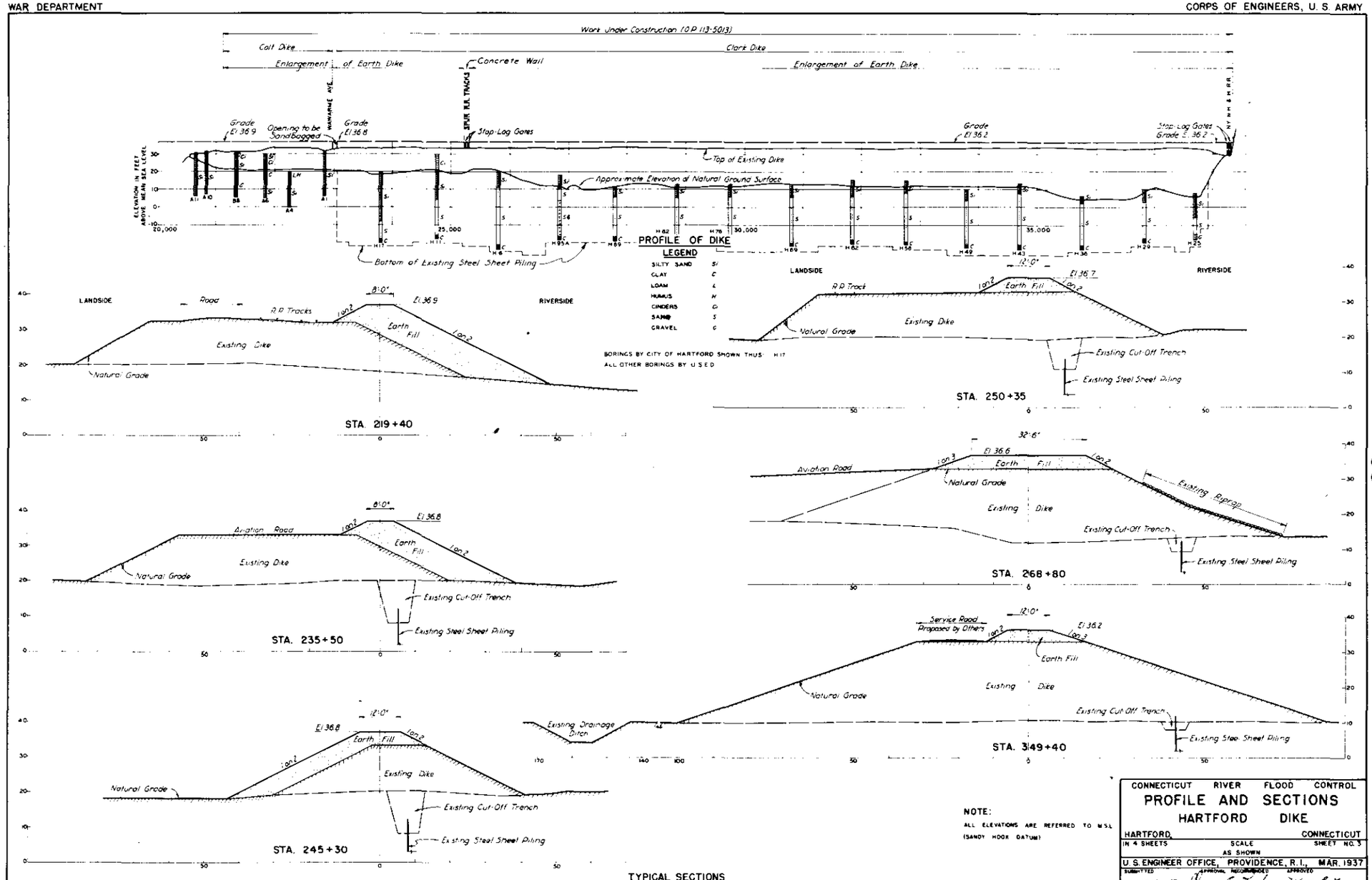
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

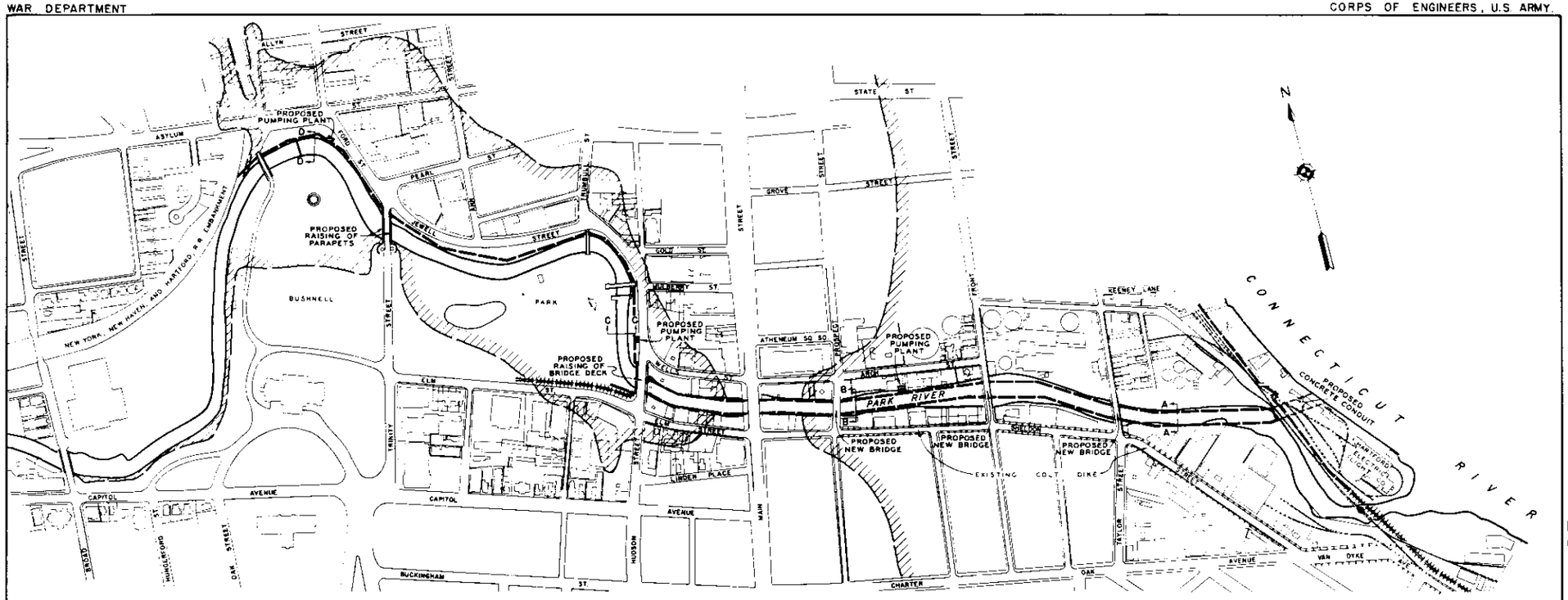
SUBMITTED: W. Ellis Foster, ENGINEER — APPROVAL RECOMMENDED: Clarence E. Kelley, PRINCIPAL ENGINEER — APPROVED: Thomas J. Lewis, LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

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

TO ACCOMPANY REPORT DATED MARCH 30, 1937

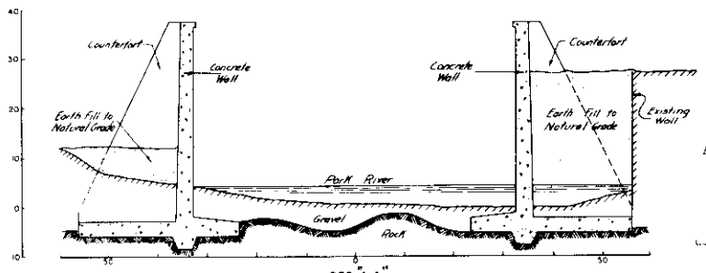
FILE NO. CT-4-1091


Work Under Construction (O.P. 113-50(3))
Colt Dike
Clark Dike
Enlargement of Earth Dike
Concrete Wall
Enlargement of Earth Dike
WARWARE AVE.
SPUR R.R. TRACKS
N.Y.N.H. & H. R.R.
Grade El 36.9
Opening to be Sandbagged
Grade El 36.8
Stop-Log Gates
Grade El 36.2
Stop-Log Gates Grade El 36.2
Top of Existing Dike
Approximate Elevation of Natural Ground Surface
ELEVATION IN FEET ABOVE MEAN SEA LEVEL
20,000
25,000
30,000
35,000
Bottom of Existing Steel Sheet Piling
PROFILE OF DIKE
LEGEND
SILTY SAND Si
CLAY C
LOAM L
HUMUS H
CINDERS Cr
SAND S
GRAVEL G
BORINGS BY CITY OF HARTFORD SHOWN THUS: H17
ALL OTHER BORINGS BY U.S.E.D.
LANDSIDE
RIVERSIDE
Road
R.R. Tracks
8'-0"
El 36.9
Earth Fill
1 on 2
Existing Dike
Natural Grade
STA. 219+40
12'-0"
El 36.7
R.R. Track
Earth Fill
Existing Dike
Natural Grade
Existing Cut-Off Trench
Existing Steel Sheet Piling
STA. 250+35
Aviation Road
El 36.8
Earth Fill
Existing Dike
Natural Grade
Existing Cut-Off Trench
Existing Steel Sheet Piling
STA. 235+50
32'-6"
El 36.6
Aviation Road
Earth Fill
Natural Grade
Existing Dike
Existing Riprap
Existing Cut-Off Trench
Existing Steel Sheet Piling
STA. 268+80
El 36.8
Earth Fill
Existing Dike
Natural Grade
Existing Cut-Off Trench
Existing Steel Sheet Piling
STA. 245+30
Service Road Proposed by Others
El 36.2
Earth Fill
Existing Dike
Natural Grade
Existing Drainage Ditch
Existing Cut-Off Trench
Existing Steel Sheet Piling
STA. 349+40
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
APPROVAL RECOMMENDED
APPROVED
ENGINEER
DIVISION ENGINEER
LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY A.C.
TRACED BY H.W.J.
CHECKED BY C.B.H.
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. CT-4-1094

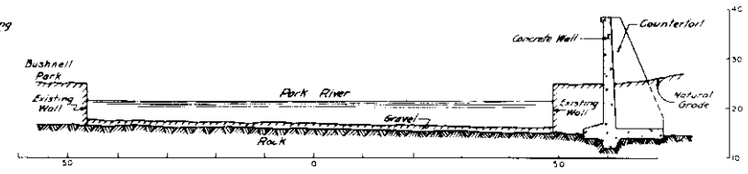


PLAN

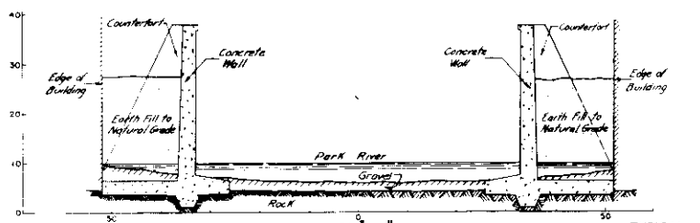
SCALE 200 0 200 400 FT.



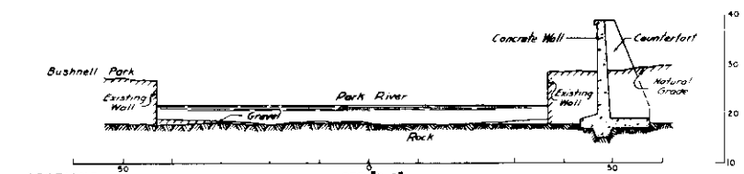
SEC. "A-A"



SEC. "C-C"



SEC. "B-B"



SEC. "D-D"

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

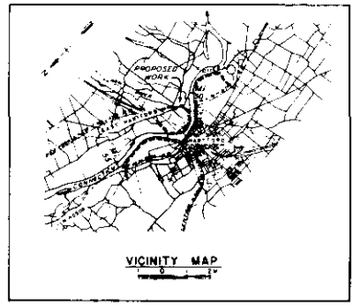
HARTFORD, CONNECTICUT.

IN 4 SHEETS	SCALE AS SHOWN	SHEET NO 4

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

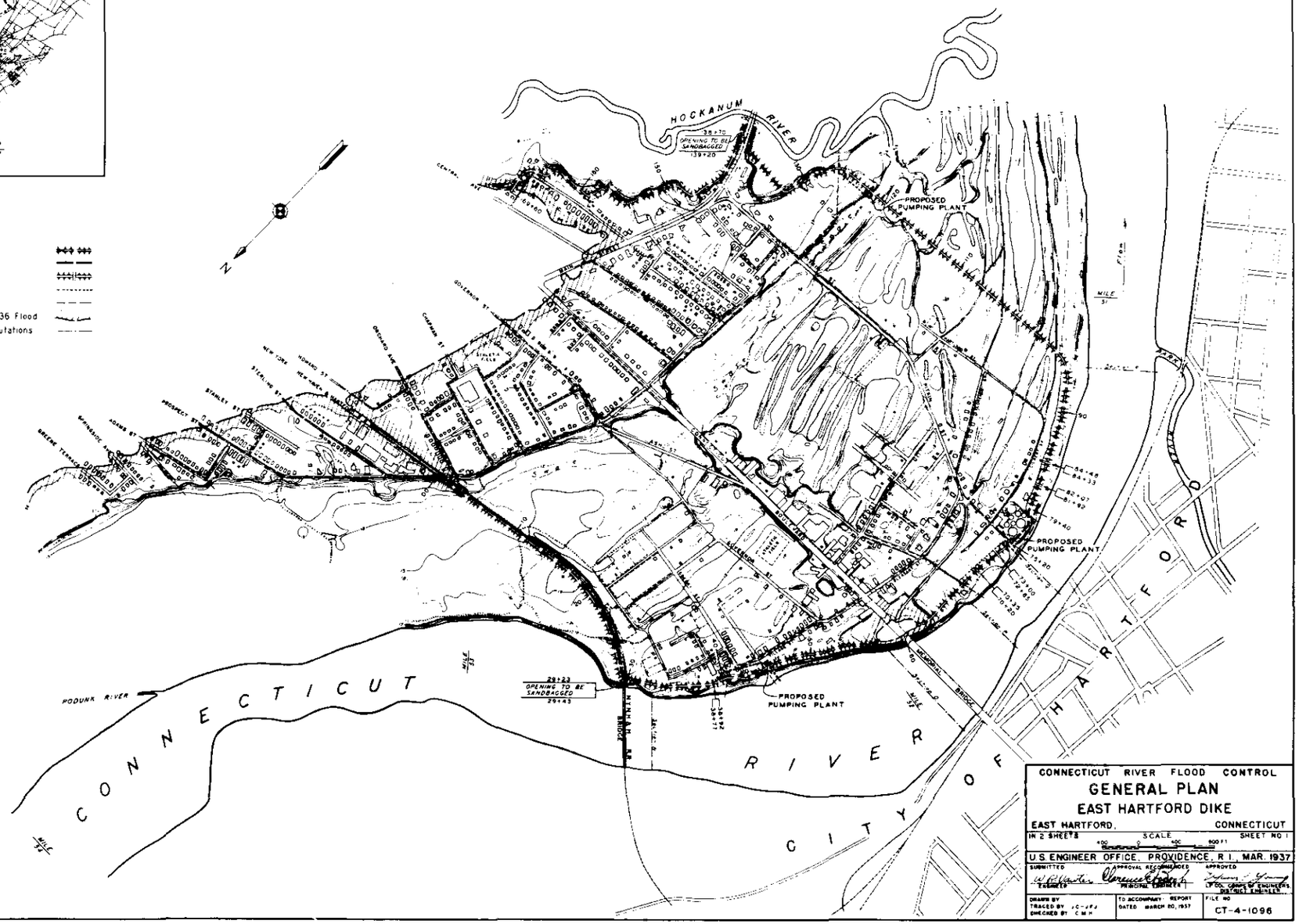
SUBMITTED	APPROVAL RECOMMENDED	APPROVED
ENGINEER	PRINCIPAL ENGINEER	LT. COL. CORPS OF ENGINEERS DISTRICT ENGINEER

DRAWN BY H.F.B. TRACED BY V.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



CONNECTICUT RIVER FLOOD CONTROL

GENERAL PLAN

EAST HARTFORD DIKE

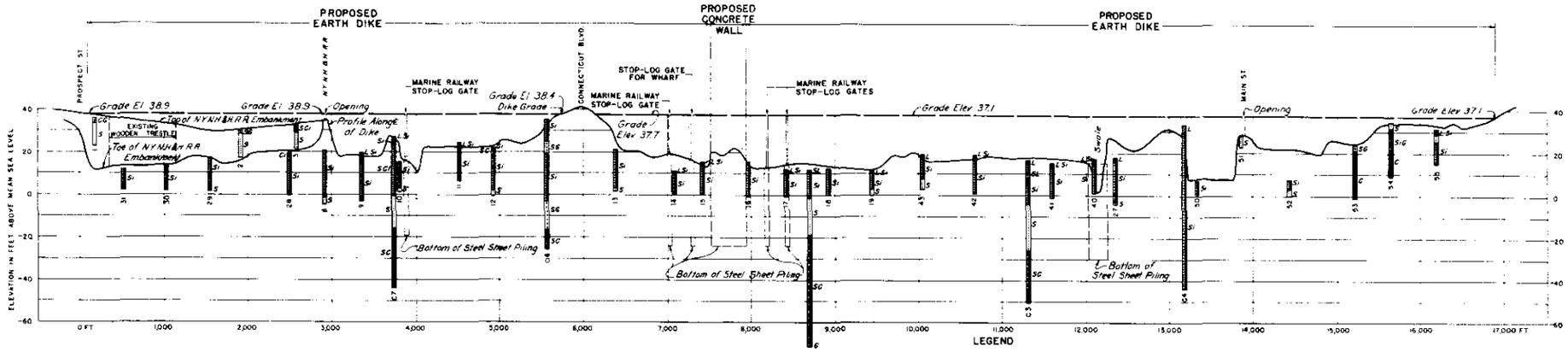
EAST HARTFORD, CONNECTICUT

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

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

SUBMITTED: A. P. Fillebrown, Colonel, Corps of Engineers — APPROVAL RECOMMENDED: Clarence E. Dore, Principal Engineer — APPROVED: Lytle Brown, Lt. Col., Corps of Engineers, Division Engineer

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



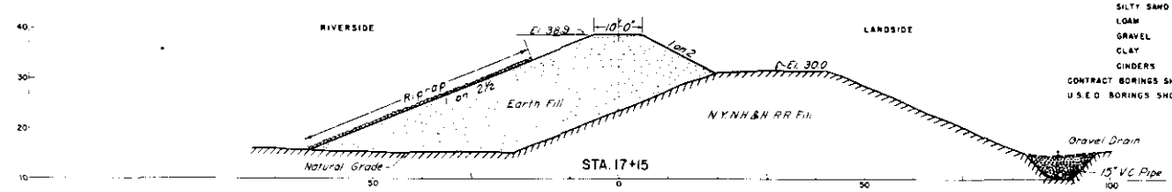
PROFILE OF DIKE

LEGEND

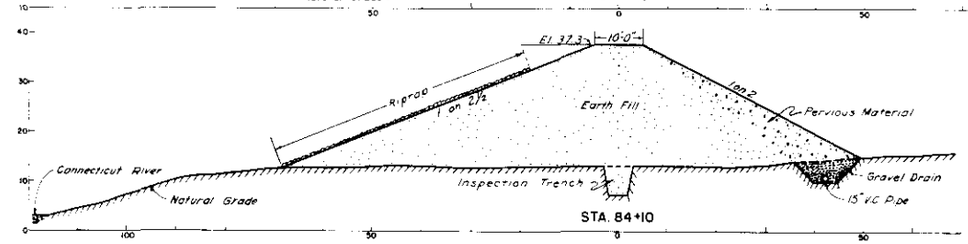
SAND	S
SANDY CLAY	SC
SILTY SAND	Si
LOAM	L
GRAVEL	G
CLAY	C
CINDERS	Cr

CONTRACT BORINGS SHOWN THUS C7

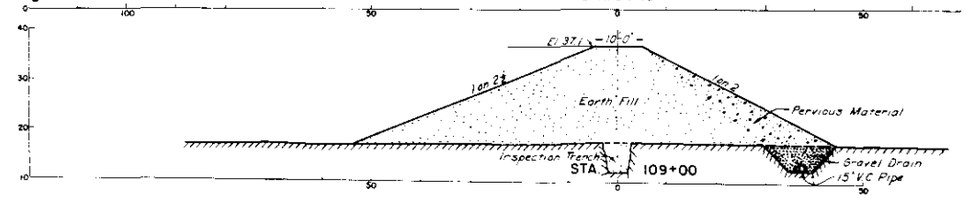
U.S.E.O. BORINGS SHOWN THUS. 53



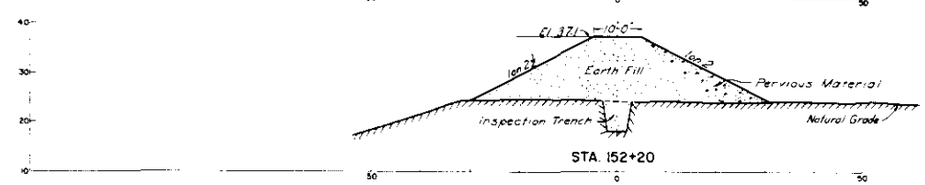
STA. 17+15



STA. 84+10



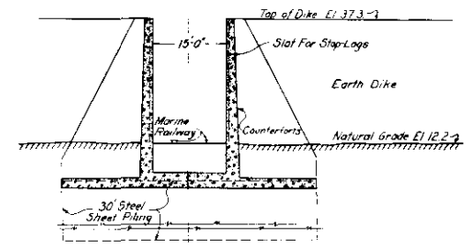
STA. 109+00



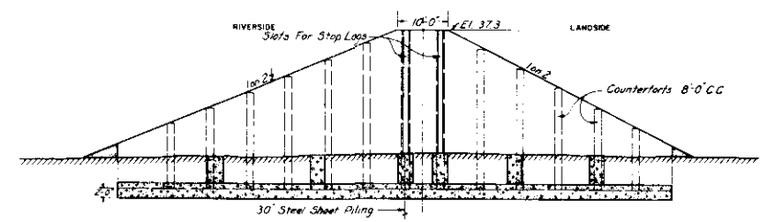
STA. 152+20

TYPICAL SECTIONS

HORZ. & VERT. DISTANCES IN FEET



SECTION AT ℄

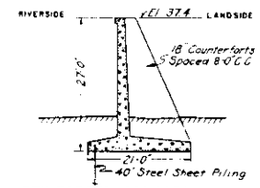


CROSS SECTION

DETAILS OF STOP-LOG GATE

AT STATION 82+00

SCALE



REINFORCED CONCRETE WALL

AT SHELL EASTERN PRODUCTS COMPANY

SCALE

NOTE:

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

CONNECTICUT RIVER FLOOD CONTROL

PROFILE AND DETAILS

EAST HARTFORD DIKE

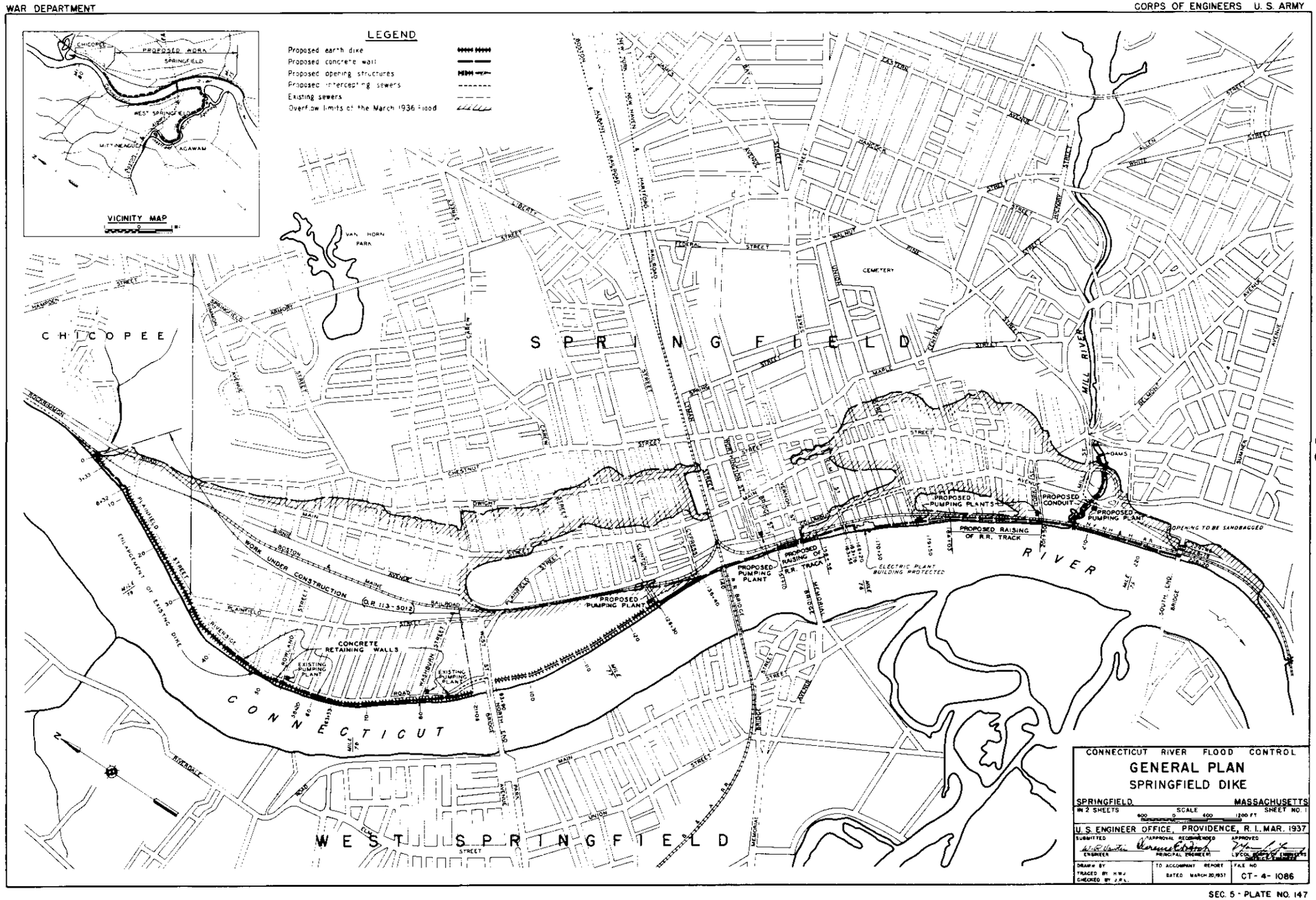
EAST HARTFORD, CONNECTICUT

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

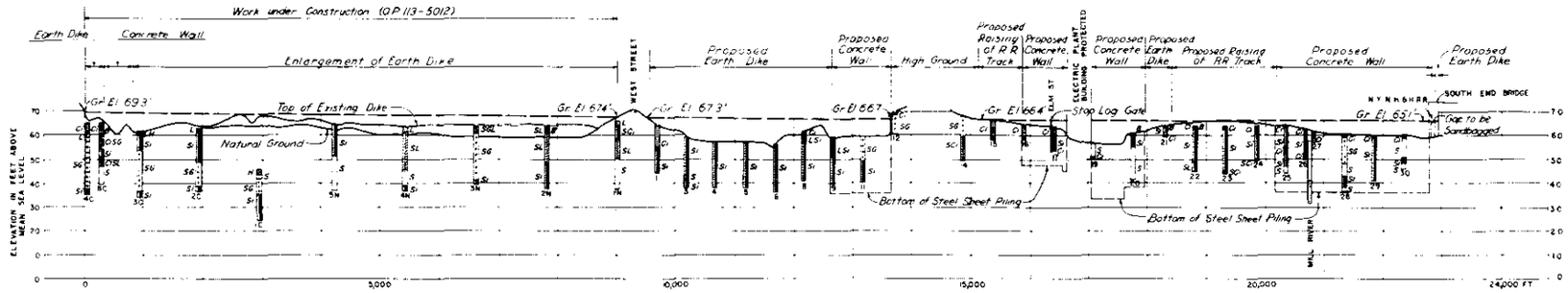
U.S. ENGINEER OFFICE, PROVIDENCE, R.I. MAR. 1937

SUBMITTED: W. R. Gaudin, ENGINEER — APPROVAL RECOMMENDED: Clarence E. Jacobs, PRINCIPAL ENGINEER — APPROVED: Lyman L. Fennell, LT. COL., CORPS OF ENGINEERS, DISTRICT ENGINEER

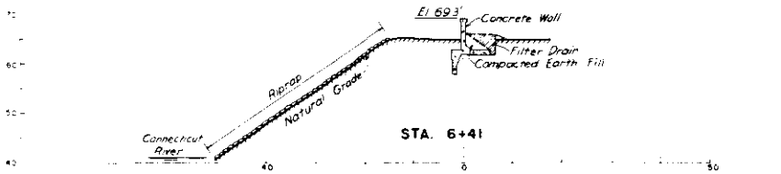
DRAWN BY A.W.C. TRACED BY J.C. CHECKED BY C.M.N. — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-4-1097

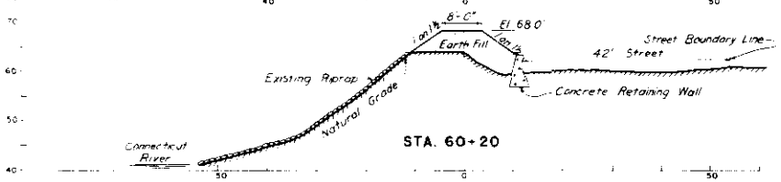


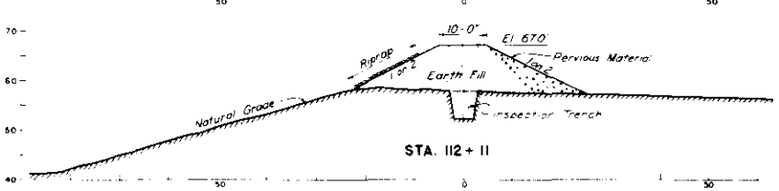
SEC. 5 - PLATE NO. 147

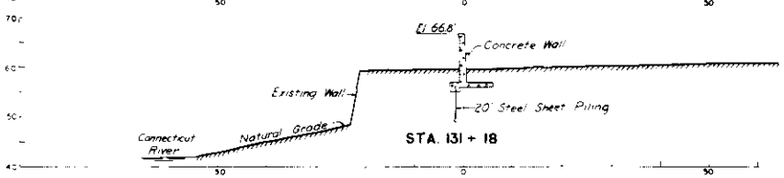


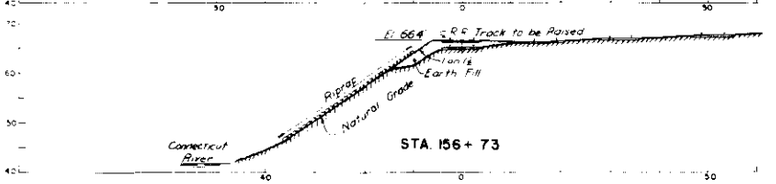
PROFILE OF DIKE









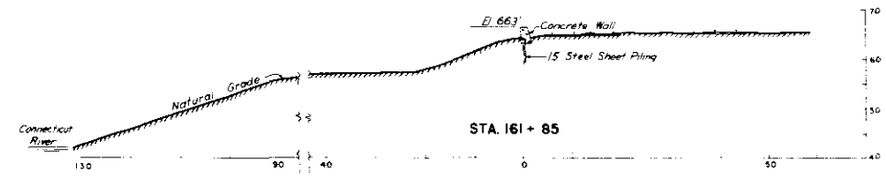


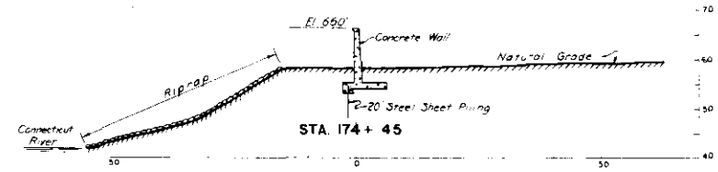
LEGEND

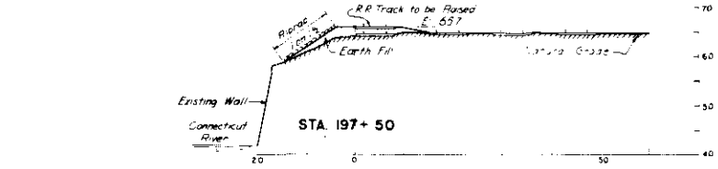
SAND	S
SILTY SAND	Si
LOAM	L
HUMUS	H
GRAVEL	G
BRICK	B
CINDERS	Cr

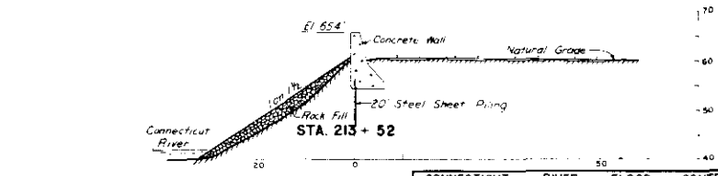
TYPICAL SECTIONS

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

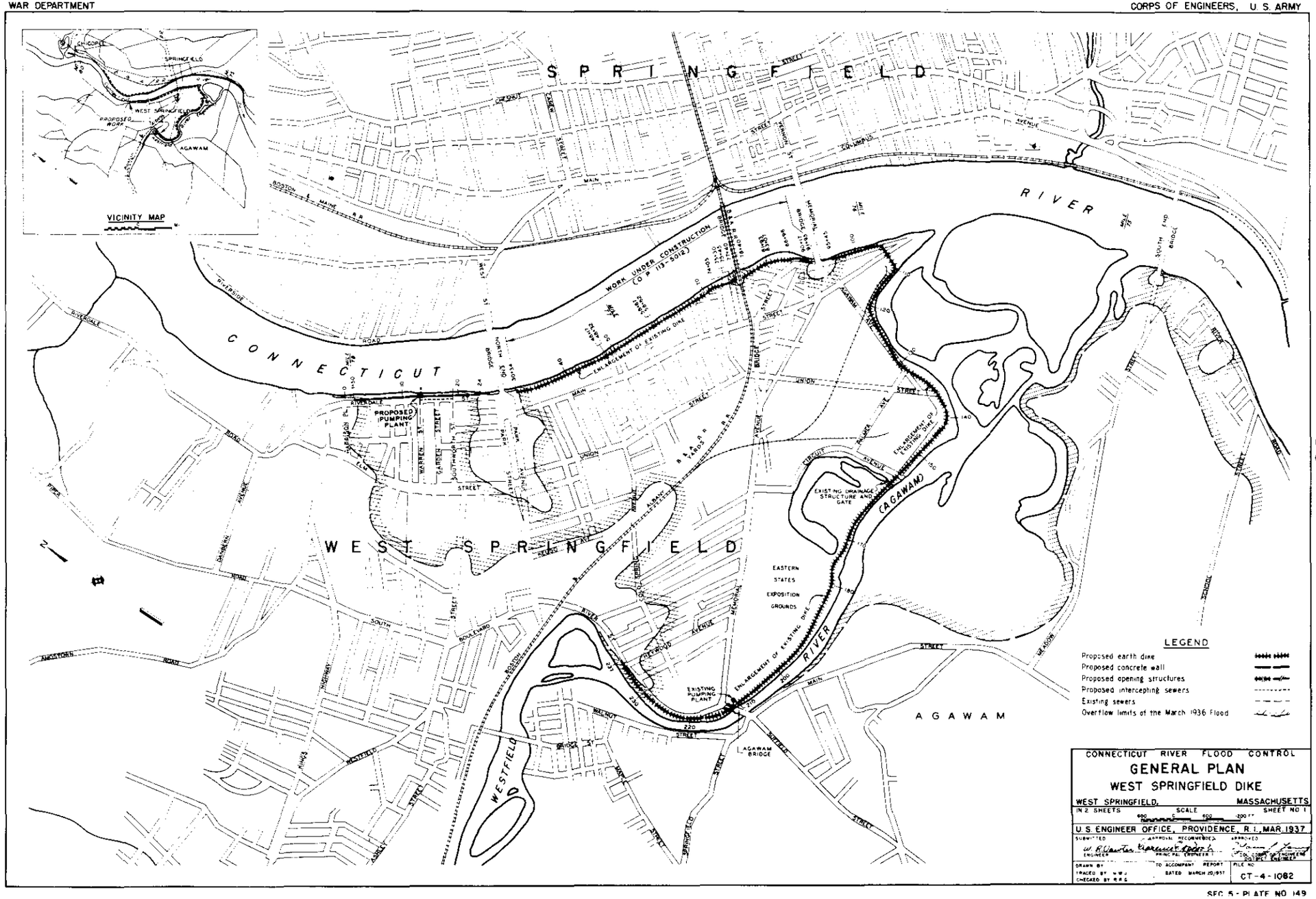
SUBMITTED: ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: Lt. Col. Corps of Engineers, District Engineer

DRAWN BY: A.W.C. TRACED BY: H.S.M. CHECKED BY: J.R.L.

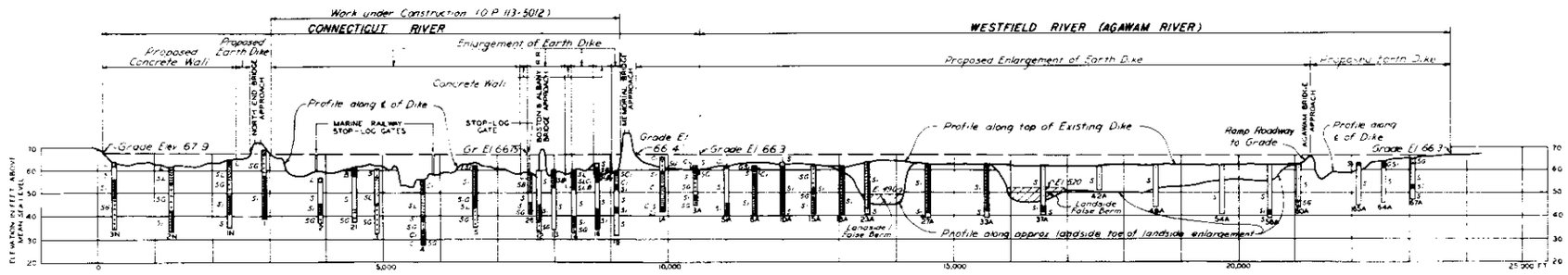
TO ACCOMPANY REPORT DATED MARCH 20, 1937

FILE NO CT-4-1087

SEC. 5 - PLATE NO. 148

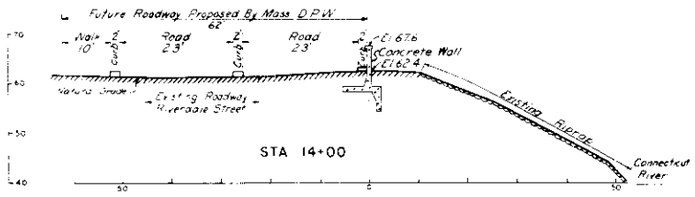


SEC 5 - PLATE NO 149



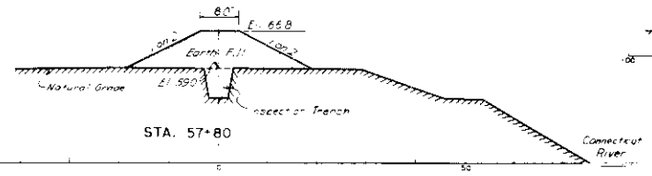
PROFILE OF DIKE

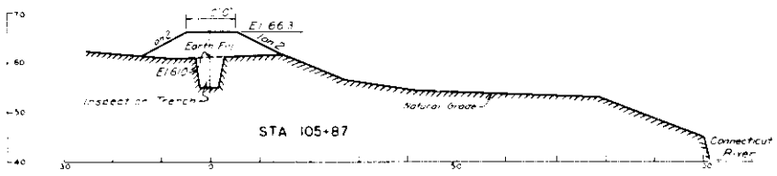
LANDSIDE RIVERSIDE

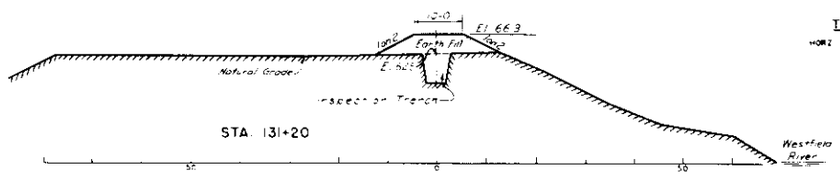


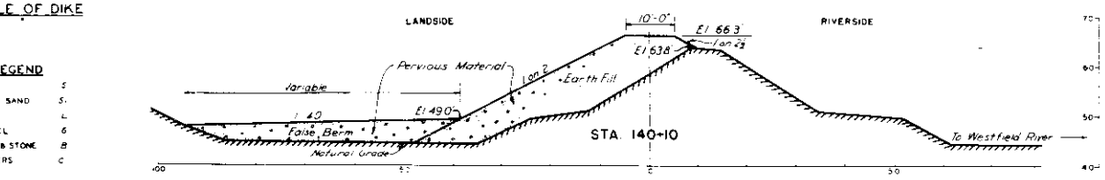
LEGEND

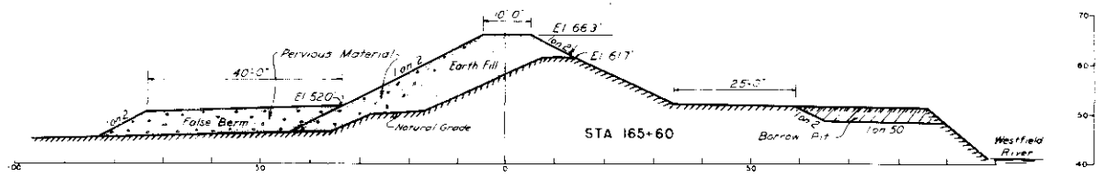
SAND	S
SILTY SAND	S.
LOAM	L
GRAVEL	G
BRICK & STONE	B
CINDERS	C

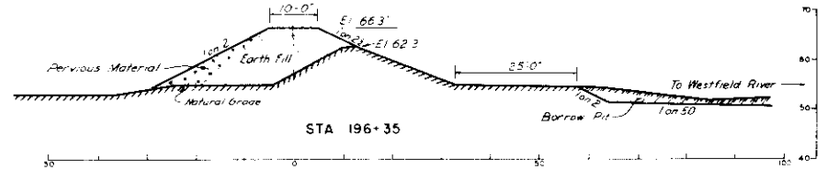


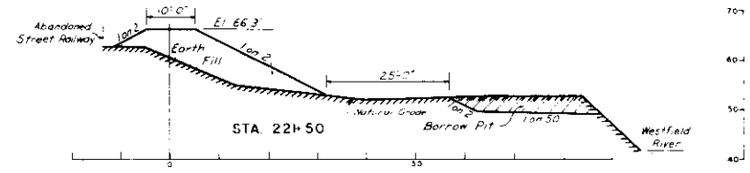












TYPICAL SECTIONS

HORZ & VERT DISTANCES IN FEET

NOTE.

ALL ELEVATIONS ARE REFERRED TO MSL (SANDY HOOK DATUM)

CONNECTICUT RIVER FLOOD CONTROL

PROFILE AND SECTIONS

WEST SPRINGFIELD DIKE

WEST SPRINGFIELD, MASSACHUSETTS

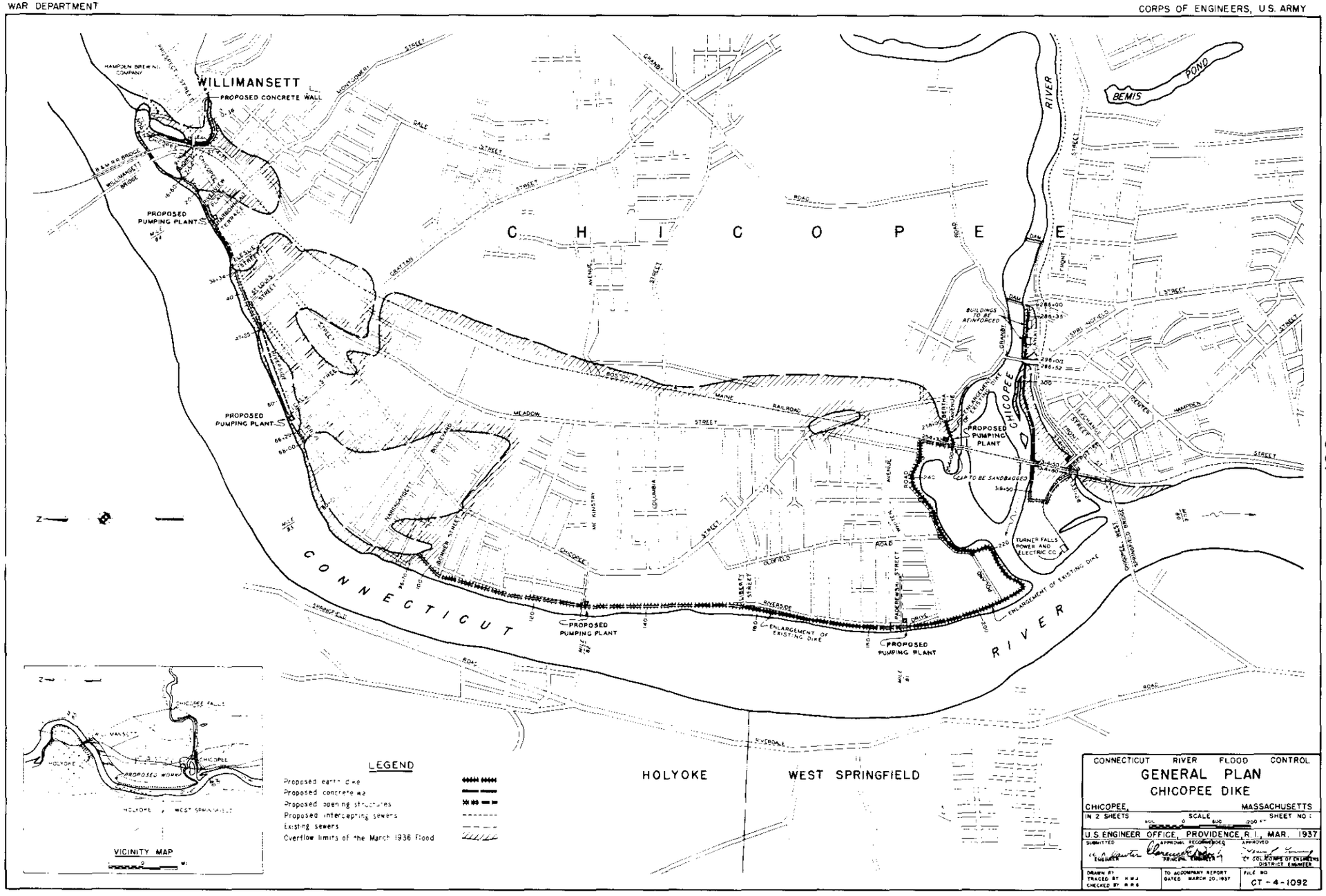
IN 2 SHEETS | SCALE AS SHOWN | SHEET NO 2

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

SUBMITTED: W. R. Vanden, ENGINEER | APPROVAL RECOMMENDED: Lawrence E. Reed, PRINCIPAL ENGINEER | APPROVED: Thomas J. Hayes, Col. Corps of Engineers, DISTRICT ENGINEER

DRAWN BY H.F.R. TRACED BY N.E.W. CHECKED BY R.P.G. | TO ACCOMPANY REPORT DATED MARCH 20, 1937 | FILE NO CT-4-1083

SEC 5 - PLATE NO 150



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

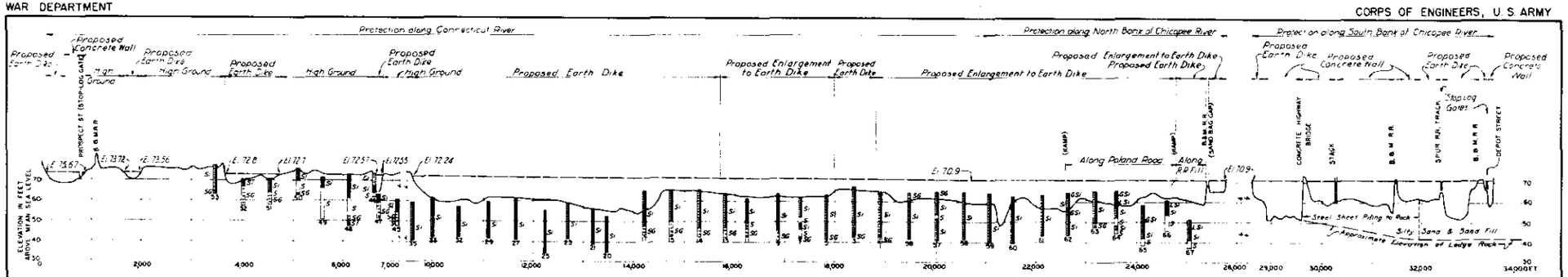
DRAWN BY: TRACED BY: H.W.J. CHECKED BY: R.R.G.

TO ACCOMPANY REPORT DATED MARCH 20, 1937

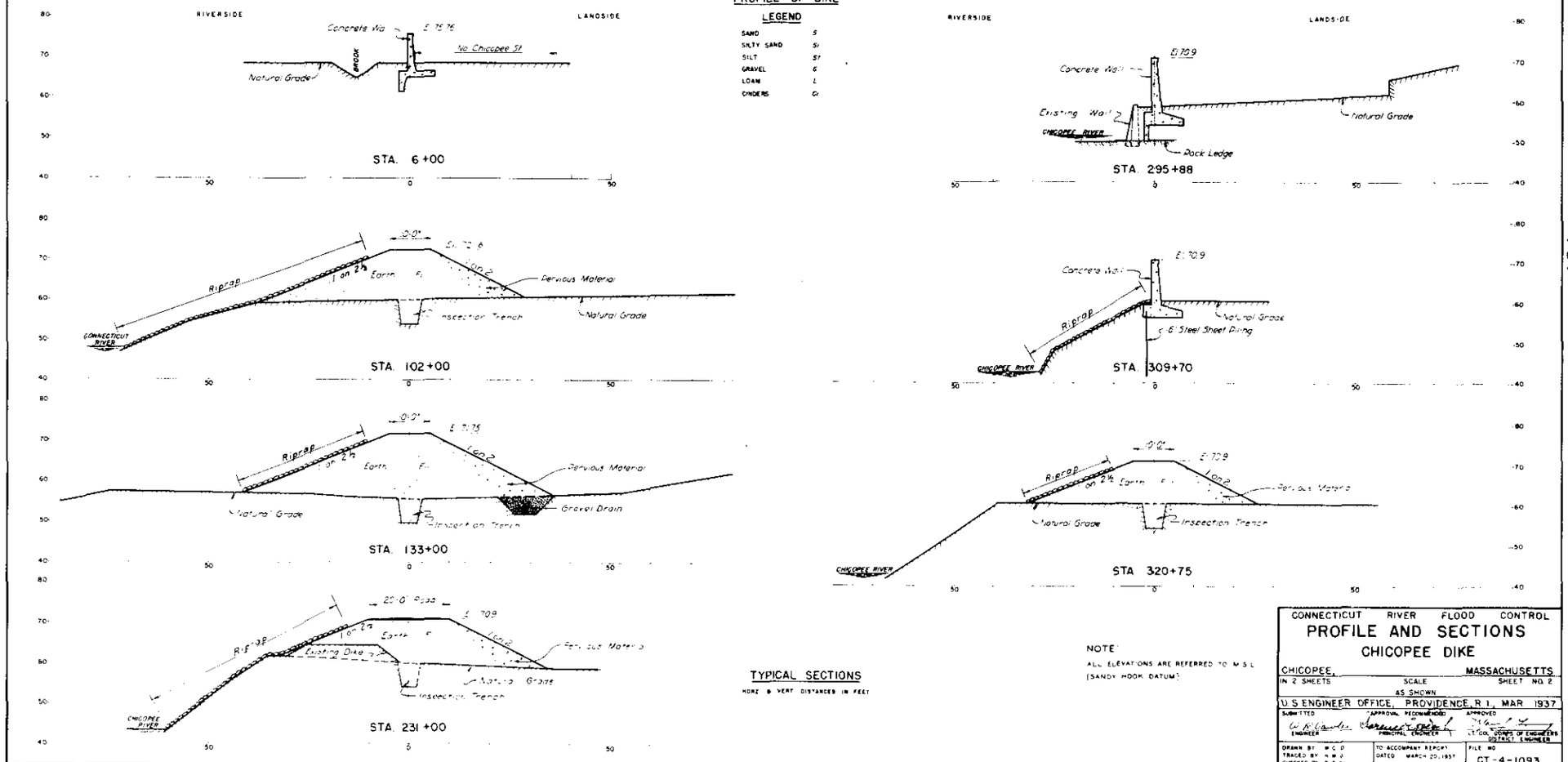
FILE NO. CT-4-1092

WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



PROFILE OF DIKE



LEGEND

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

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

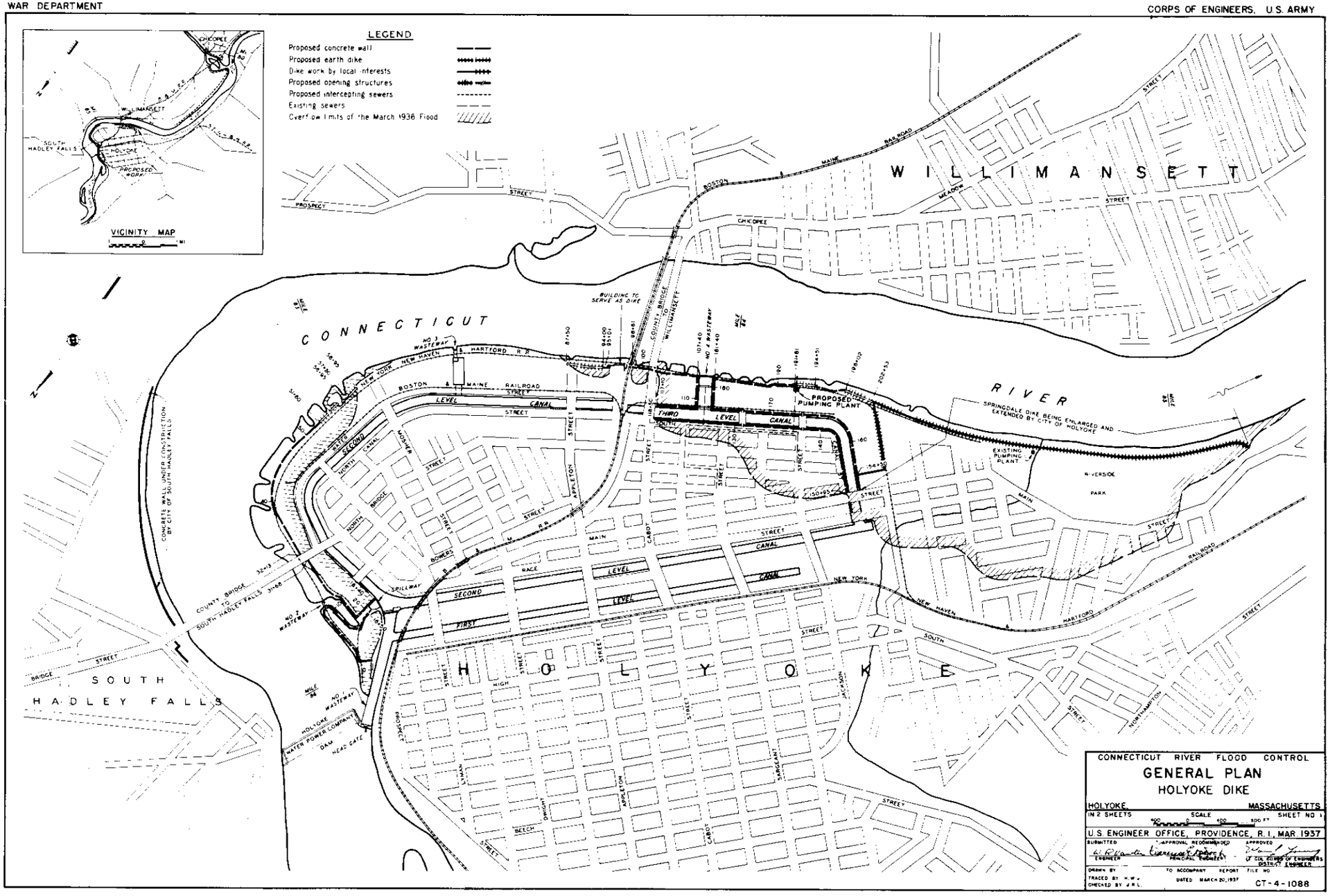
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

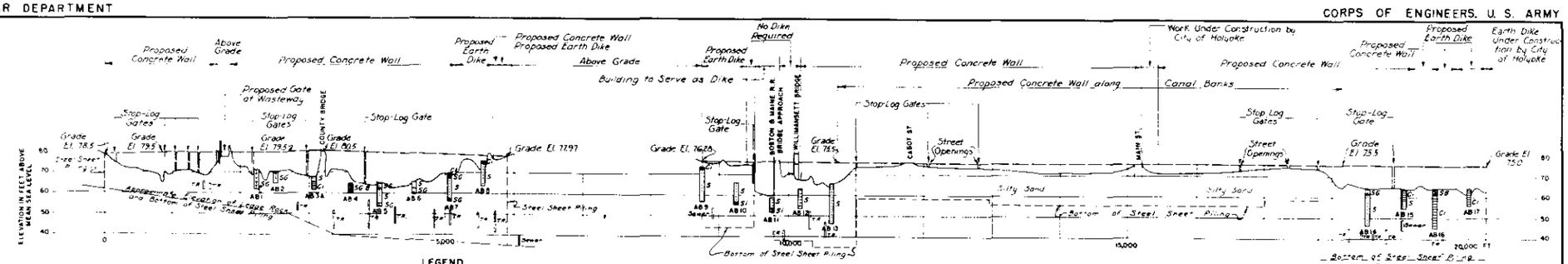
SUBMITTED: W. R. Carter, ENGINEER — APPROVAL RECOMMENDED: PRINCIPAL ENGINEER — APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

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

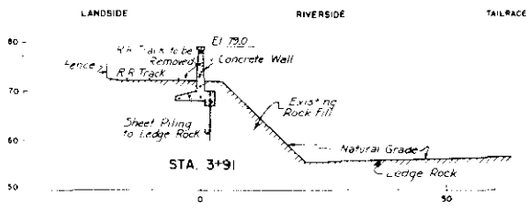

LEGEND
Proposed concrete wall
Proposed earth dike
Dike work by local interests
Proposed opening structures
Proposed intercepting sewers
Existing sewers
Overflow limits of the March 1936 Flood
VICINITY MAP
CHICOPEE
WILLIMANSETT
SOUTH HADLEY FALLS
HOLYOKE
PROPOSED WORK
WILLIMANSETT
CONNECTICUT
RIVER
HOLYOKE
SOUTH HADLEY FALLS
PROPOSED PUMPING PLANT
EXISTING PUMPING PLANT
SPRINGDALE DIKE BEING ENLARGED AND EXTENDED BY CITY OF HOLYOKE
CONCRETE WALL UNDER CONSTRUCTION BY CITY OF SOUTH HADLEY FALLS
BUILDING TO SERVE AS DIKE
COUNTY BRIDGE TO WILLIMANSETT
COUNTY BRIDGE TO SOUTH HADLEY FALLS
NO. 1 WASTEWAY
NO. 2 WASTEWAY
HOLYOKE WATER POWER COMPANY DAM
HEAD GATE
SPILLWAY
FIRST LEVEL CANAL
SECOND LEVEL CANAL
THIRD LEVEL CANAL
RACE
RIVERSIDE PARK
BOSTON & MAINE RAILROAD
NEW YORK NEW HAVEN & HARTFORD R.R.
MAIN STREET
CONNECTICUT RIVER FLOOD CONTROL
GENERAL PLAN
HOLYOKE DIKE
HOLYOKE MASSACHUSETTS
IN 2 SHEETS
SCALE
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.
CHECKED BY J.R.L.
TO ACCOMPANY REPORT
DATED MARCH 20, 1937
FILE NO.
CT-4-1088



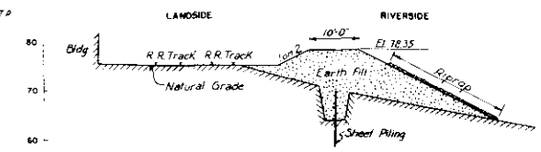
PROFILE OF DIKE

LEGEND

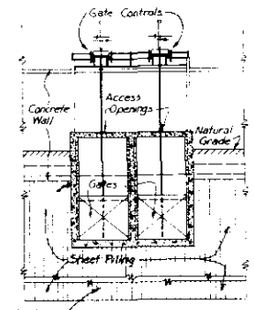
SAND	S
SILTY SAND	SI
GRAVEL	G
BRICK & STONE	B
CINDERS	CI
TAILRACE	T.R.



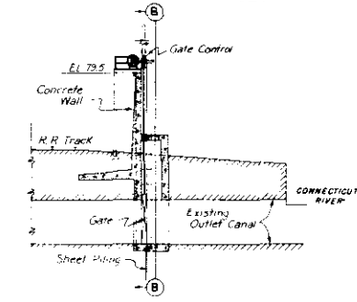
STA. 3+91



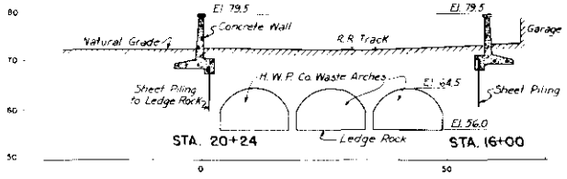
STA. 55+48



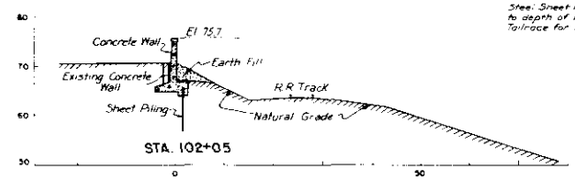
SECTION "B-B"



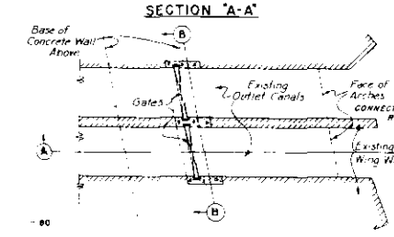
SECTION "A-A"



STA. 20+24 STA. 16+00

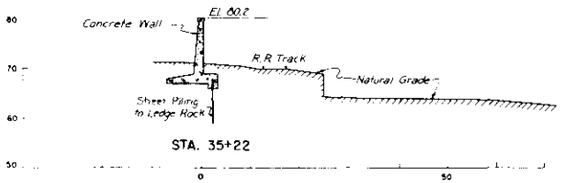


STA. 102+05

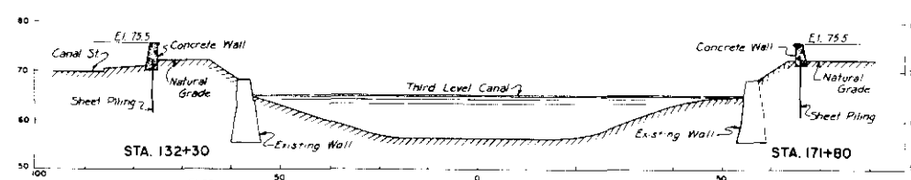


PLAN OF BACKWATER GATE AT TAILRACES

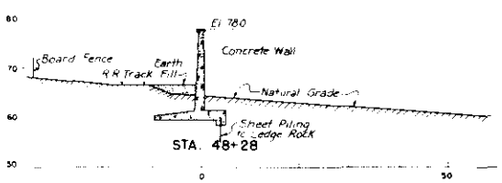
SCALE



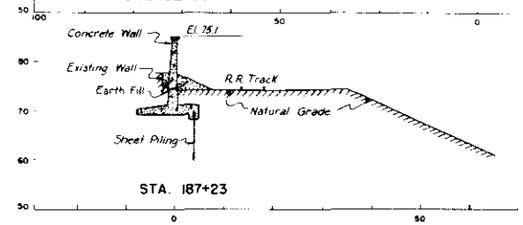
STA. 35+22



STA. 132+30 STA. 171+80



STA. 48+28



STA. 187+23

TYPICAL SECTIONS

HORZ & VERT DISTANCES IN FEET

NOTE:

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

CONNECTICUT RIVER FLOOD CONTROL

PROFILE AND SECTIONS

HOLYOKE DIKE

HOLYOKE, MASSACHUSETTS

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

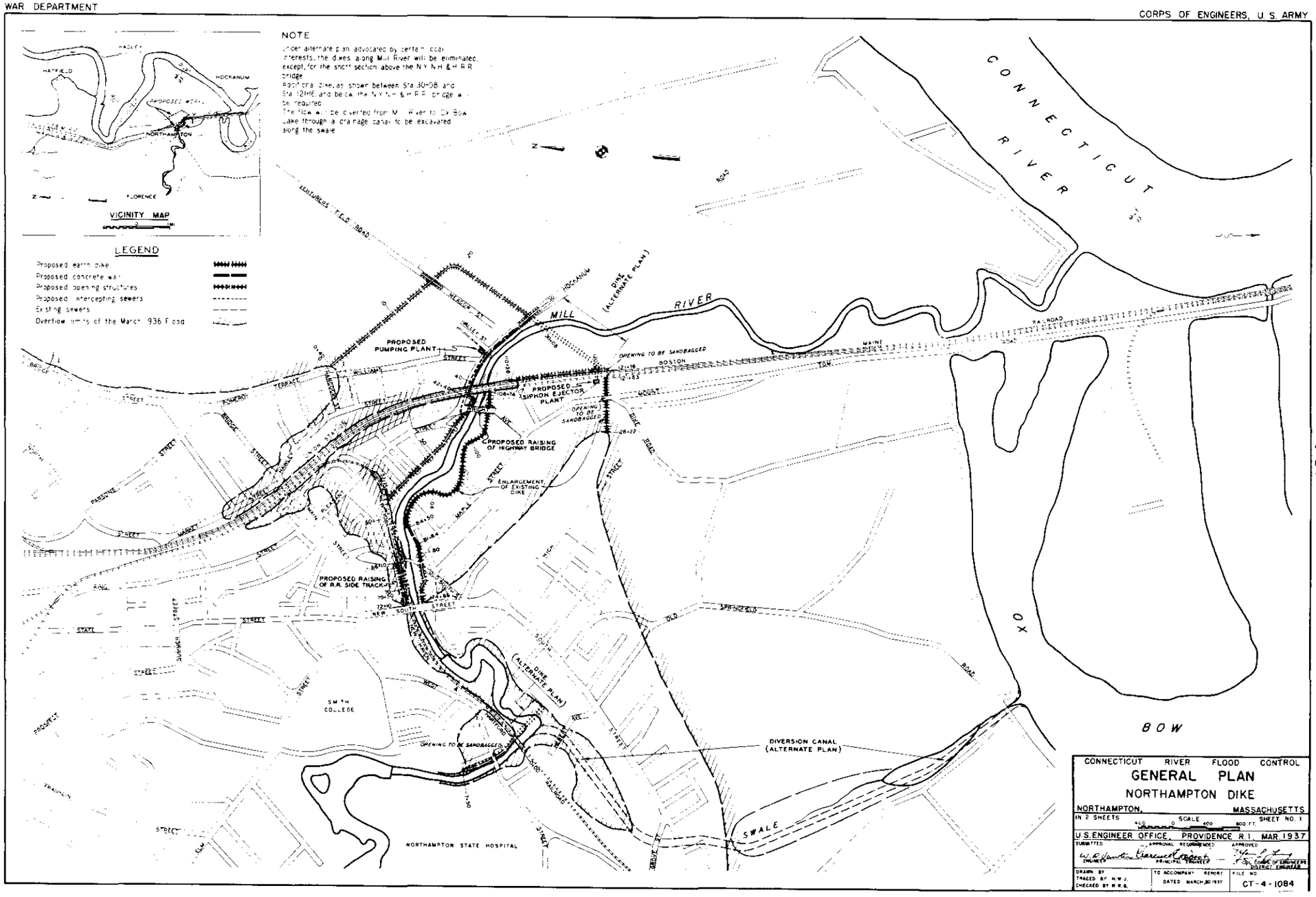
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937

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

DRAWN BY H.F.B. TRACED BY K.E.E. CHECKED BY J.R.L. — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-4-1089

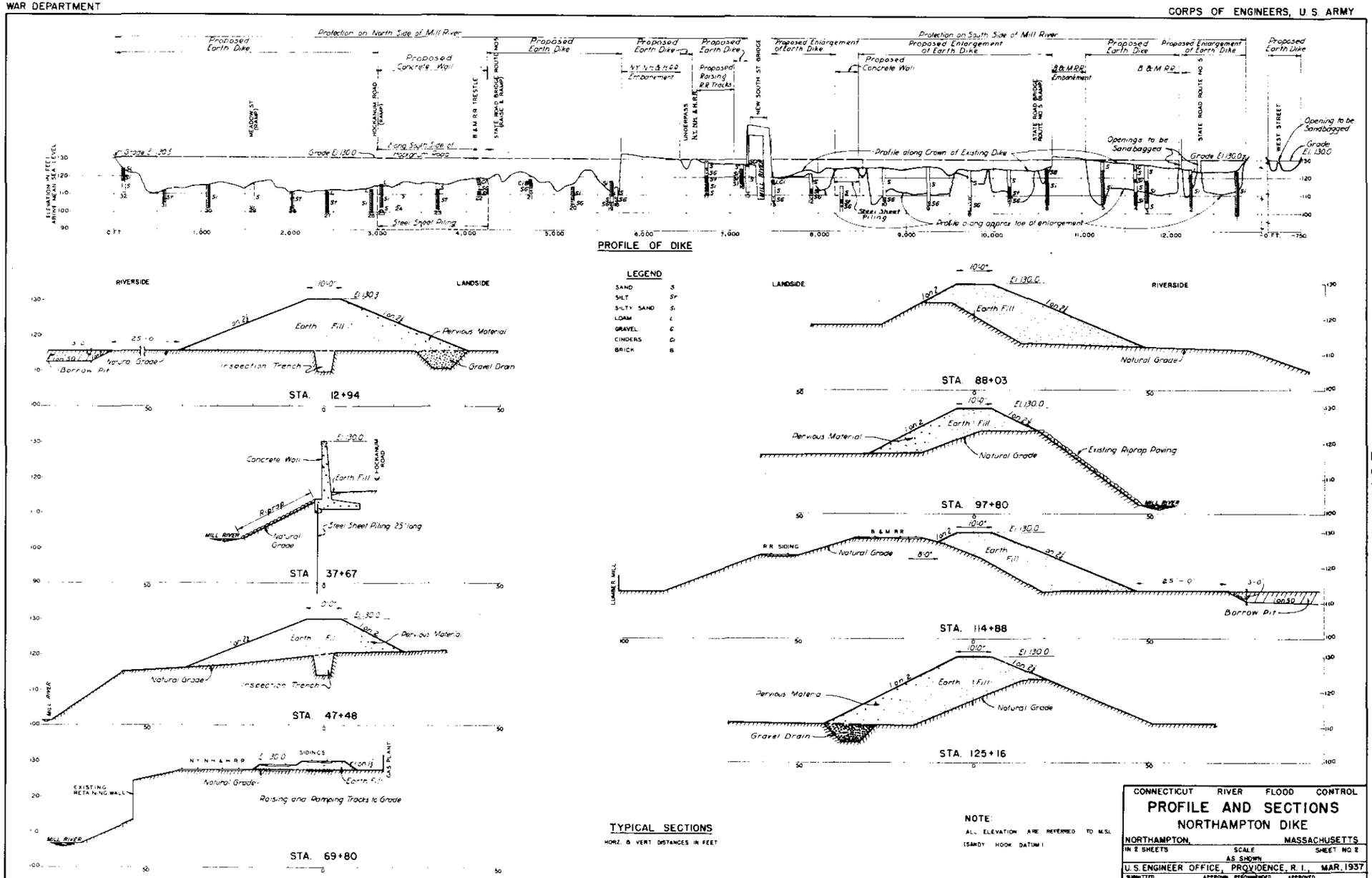
WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



WAR DEPARTMENT

CORPS OF ENGINEERS, U. S. ARMY



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

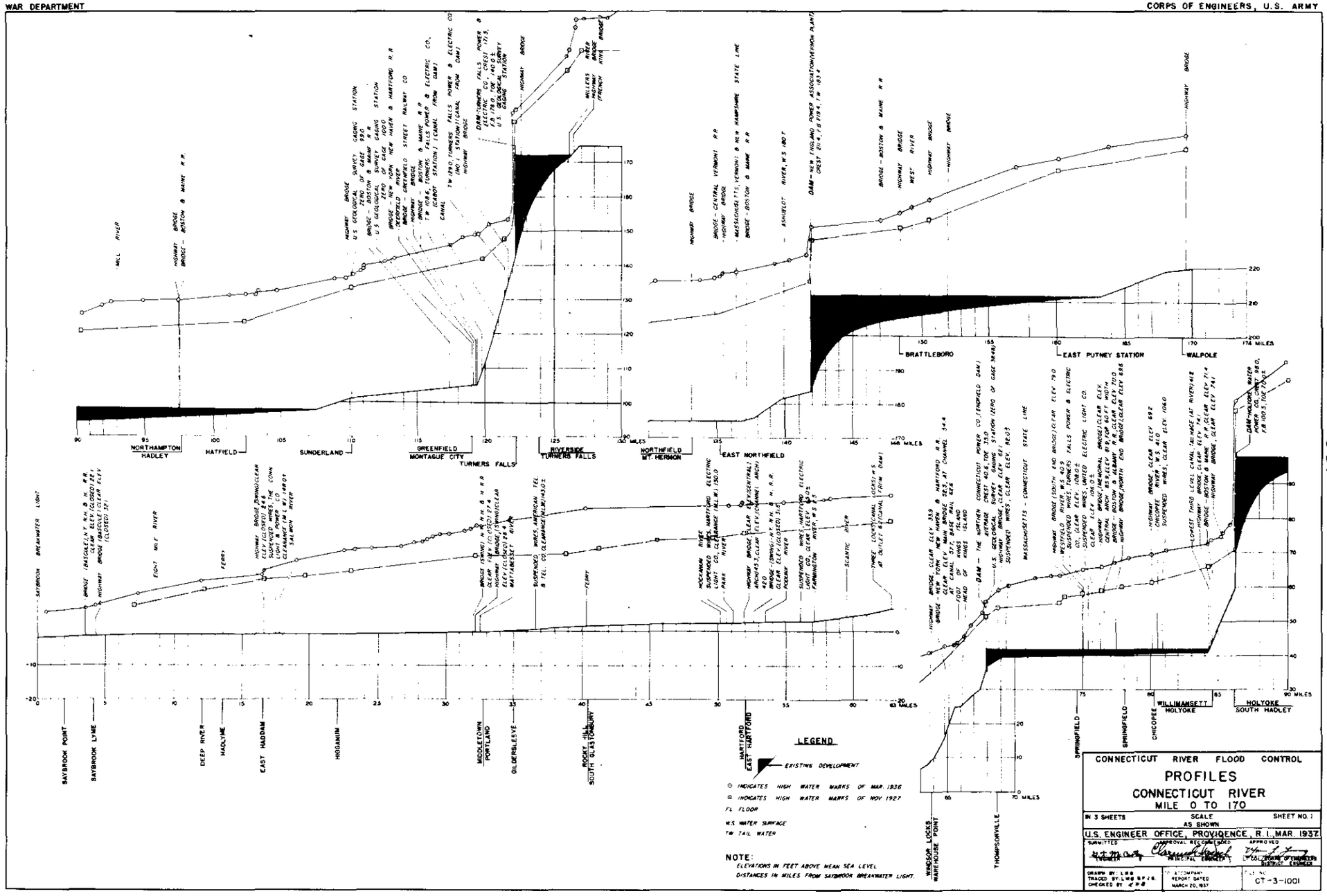
SUBMITTED: W. R. Vawter, ENGINEER — APPROVAL RECOMMENDED: Clarence E. Beach, PRINCIPAL ENGINEER — APPROVED: [signature], LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER

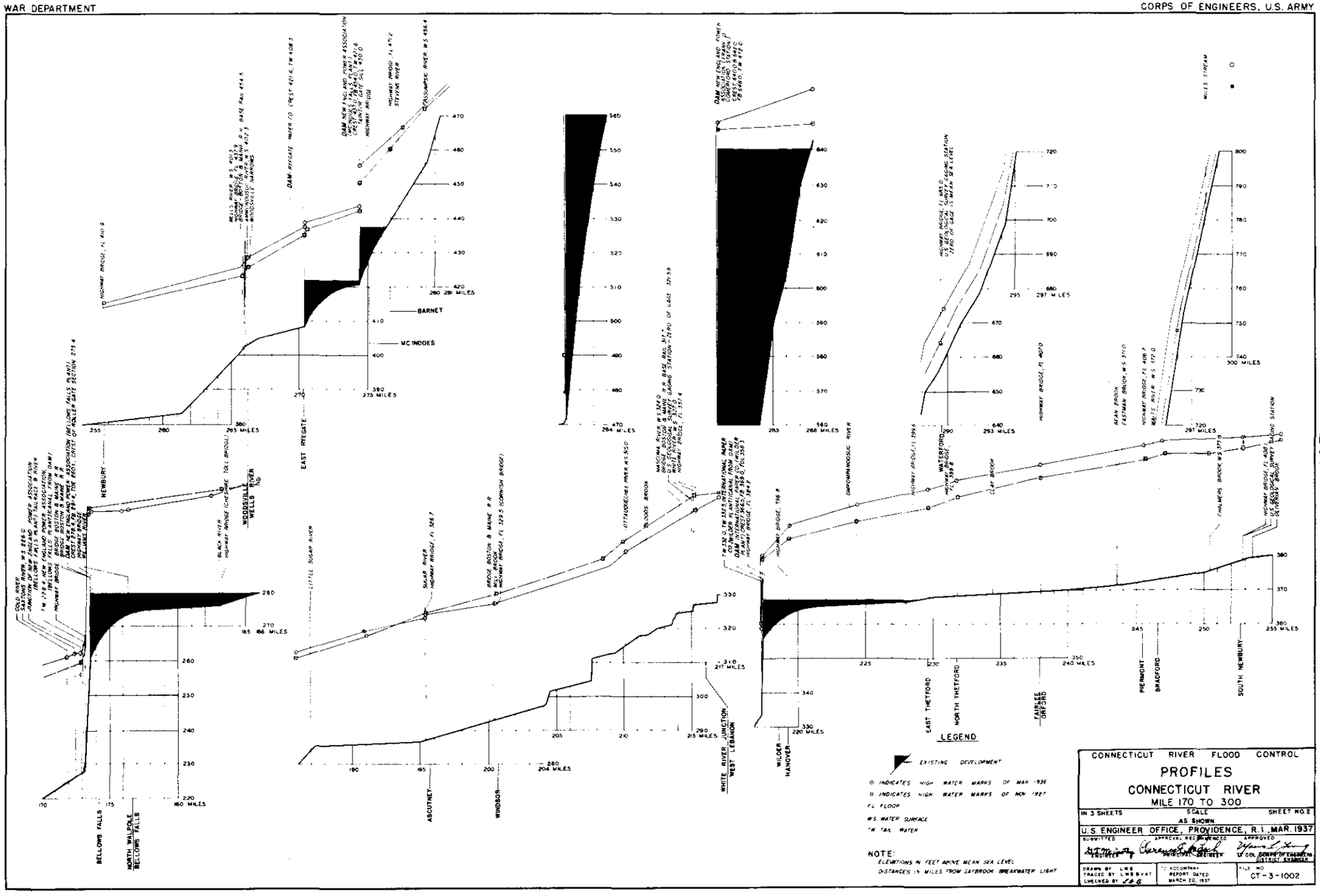
DRAWN BY W.C.O. TRACED BY H.W.J. CHECKED BY — TO ACCOMPANY REPORT DATED MARCH 20, 1937 — FILE NO. CT-4-1085

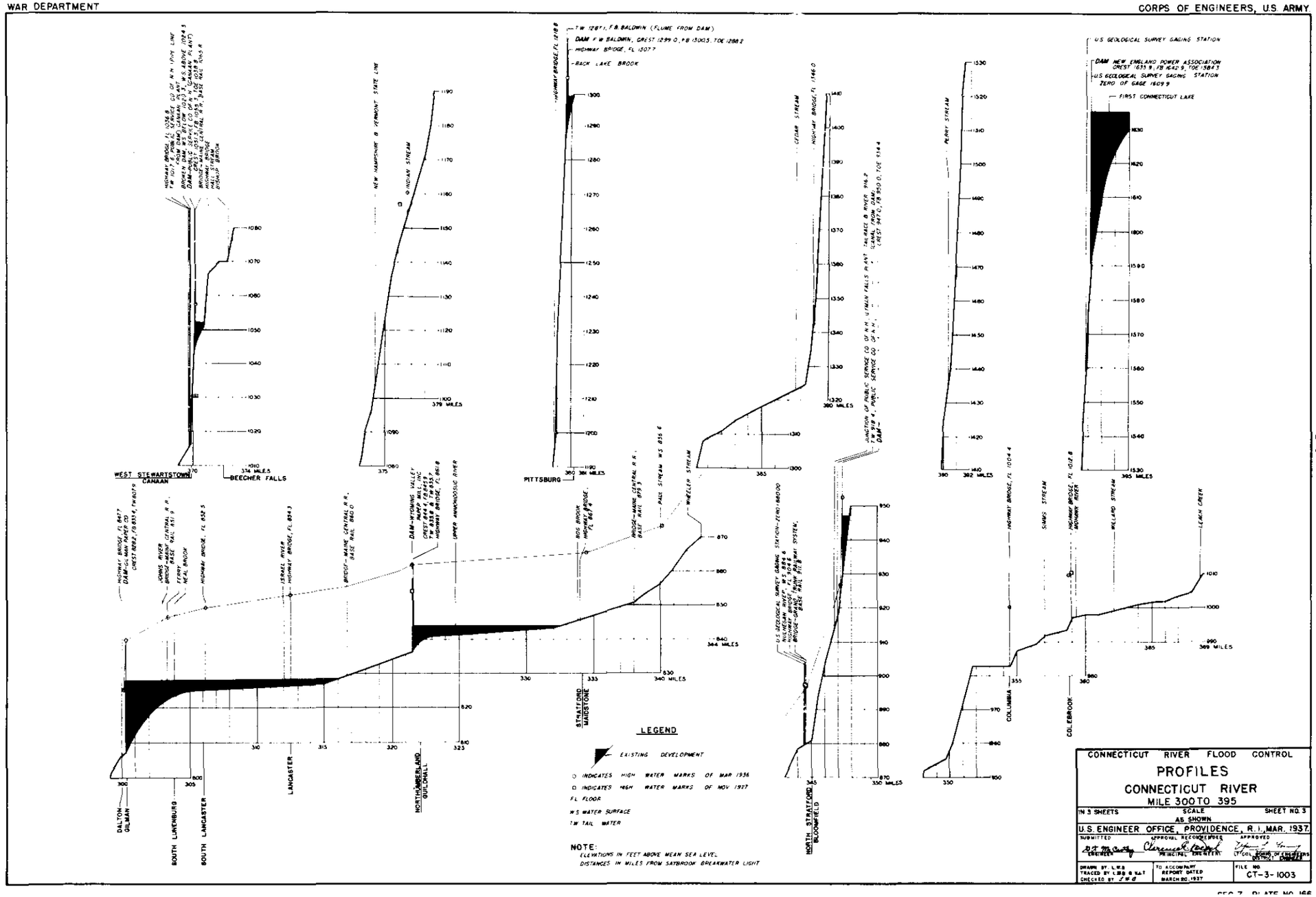
PLATE REFERENCE

PROFILES

CONNECTICUT RIVER AND TRIBUTARIES


SAYBROOK POINT
SAYBROOK LYME
DEEP RIVER
HADLYME
EAST HADDAM
HIGGANUM
MIDDLETOWN
PORTLAND
GILDERSLEEVE
ROCKY HILL
SOUTH GLASTONBURY
HARTFORD
EAST HARTFORD
WINDSOR LOCKS
WAREHOUSE POINT
THOMPSONVILLE
SPRINGFIELD
CHICOPEE
WILLIMANSETT
HOLYOKE
SOUTH HADLEY
NORTHAMPTON
HADLEY
HATFIELD
SUNDERLAND
GREENFIELD
MONTAGUE CITY
TURNERS FALLS
RIVERSIDE
NORTHFIELD
MT. HERMON
EAST NORTHFIELD
BRATTLEBORO
EAST PUTNEY STATION
WALPOLE
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
MATERIAL ENGINEER
LT. COL. CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY: LWB
TRACED BY: LWB & P.V.S.
CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO. 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
WATERFORD
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
DISTRICT ENGINEER
LT COL CORPS OF ENGINEERS
DISTRICT ENGINEER
DRAWN BY
TRACED BY
CHECKED BY
TO ACCOMPANY REPORT DATED MARCH 20, 1937
FILE NO.
CT-3-1002



CONNECTICUT RIVER FLOOD CONTROL

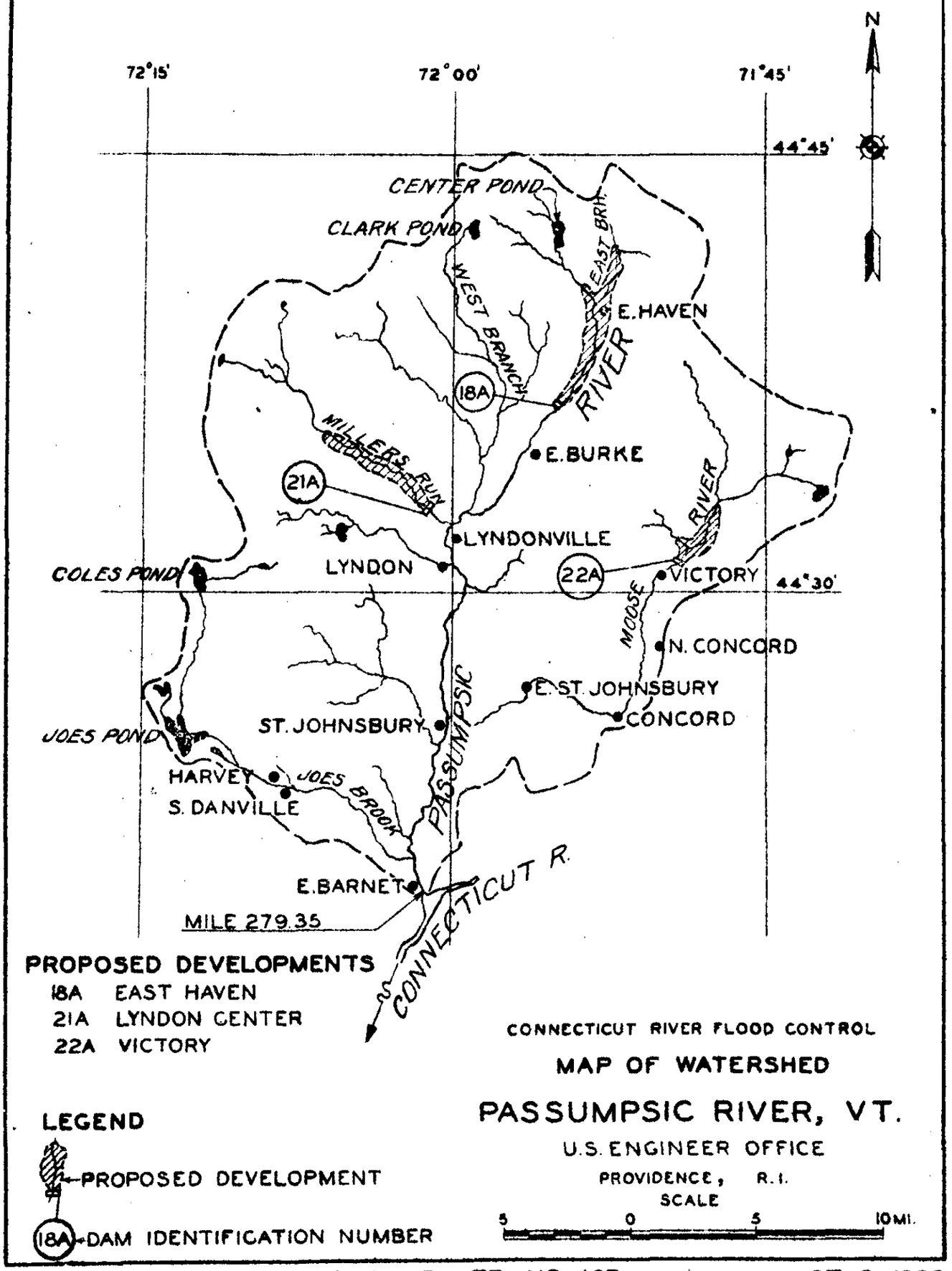
PROFILES
CONNECTICUT RIVER
MILE 300 TO 395

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. & W.L.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

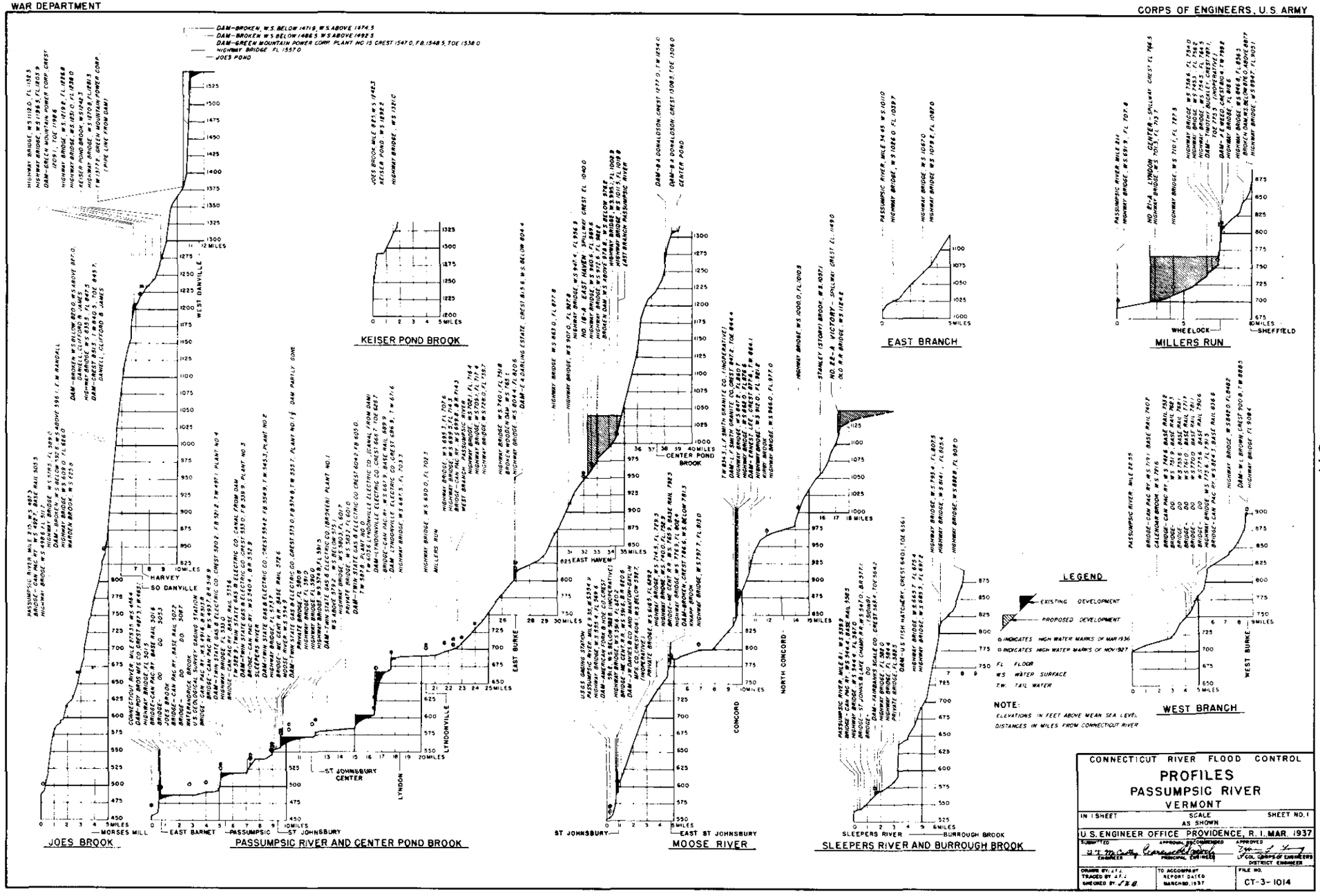
CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

PASSUMPSIC RIVER, VT.

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

SCALE
5 0 5 10 MI.



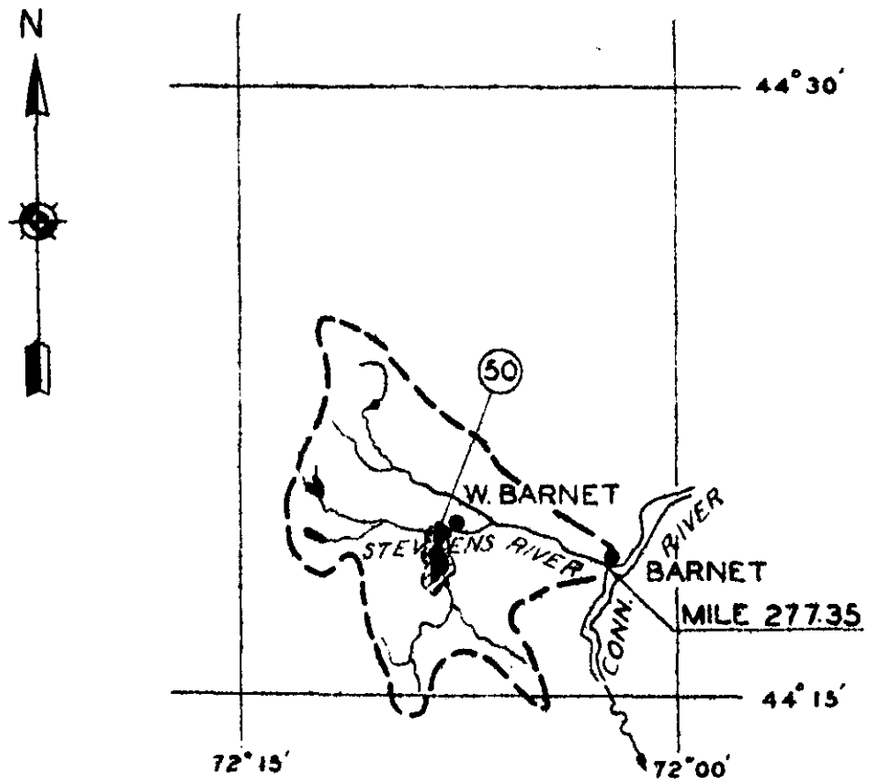
CONNECTICUT RIVER FLOOD CONTROL

PROFILES
PASSUMPSIC RIVER
VERMONT

IN 1 SHEET	SCALE AS SHOWN	SHEET NO. 1

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

SUBMITTED: ENGINEER	APPROVAL RECOMMENDED: PRINCIPAL ENGINEER	APPROVED: LT. COL. CORPS OF ENGINEERS, DISTRICT ENGINEER
DRAWN BY: A.F.J. TRACED BY: A.F.J. SHECKED BY: J.E.B.	TO ACCOMPANY REPORT DATED MARCH 10, 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.

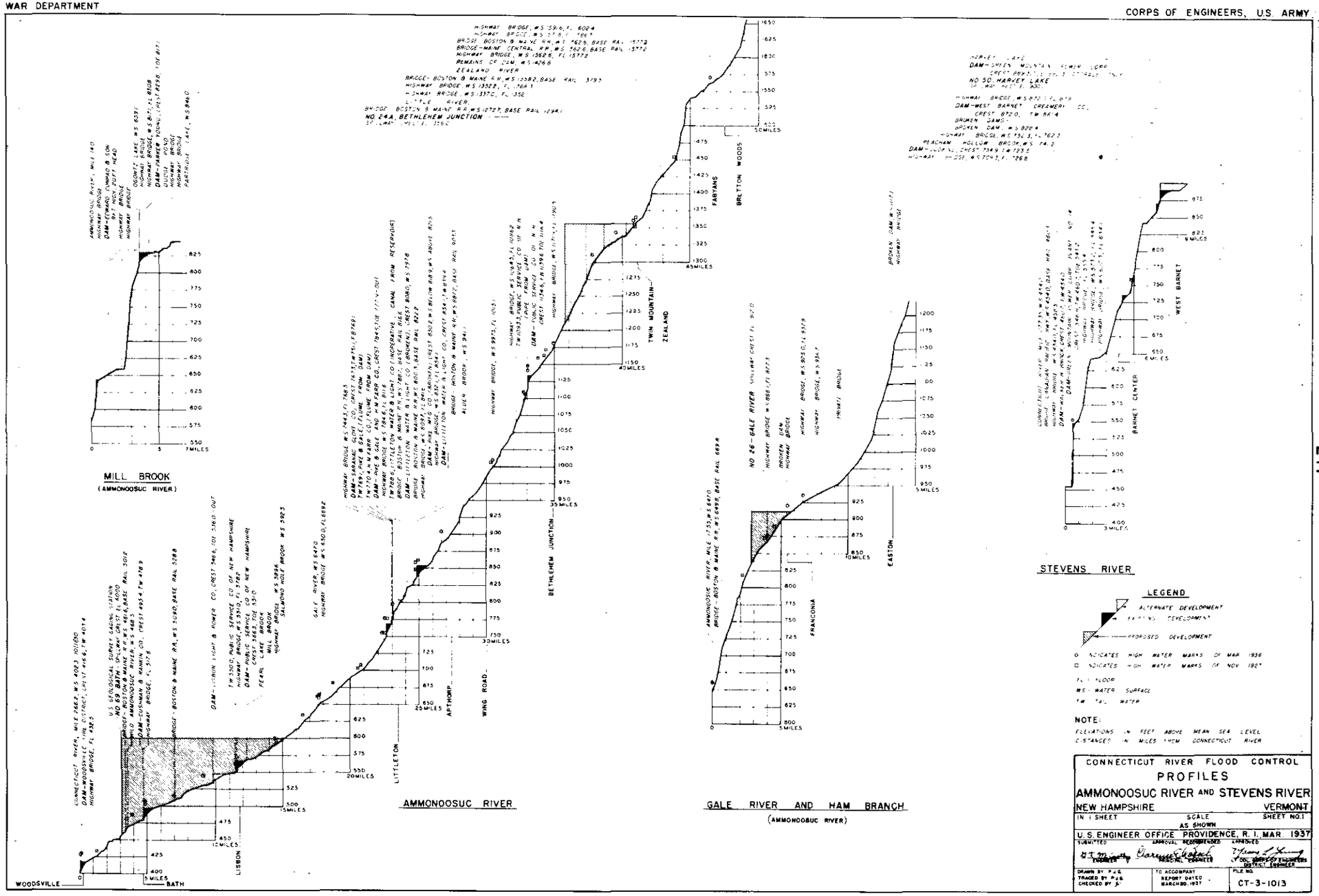
SCALE

5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

50 DAM IDENTIFICATION NUMBER



CONNECTICUT RIVER FLOOD CONTROL

PROFILES

AMMONOOSUC RIVER AND STEVENS RIVER

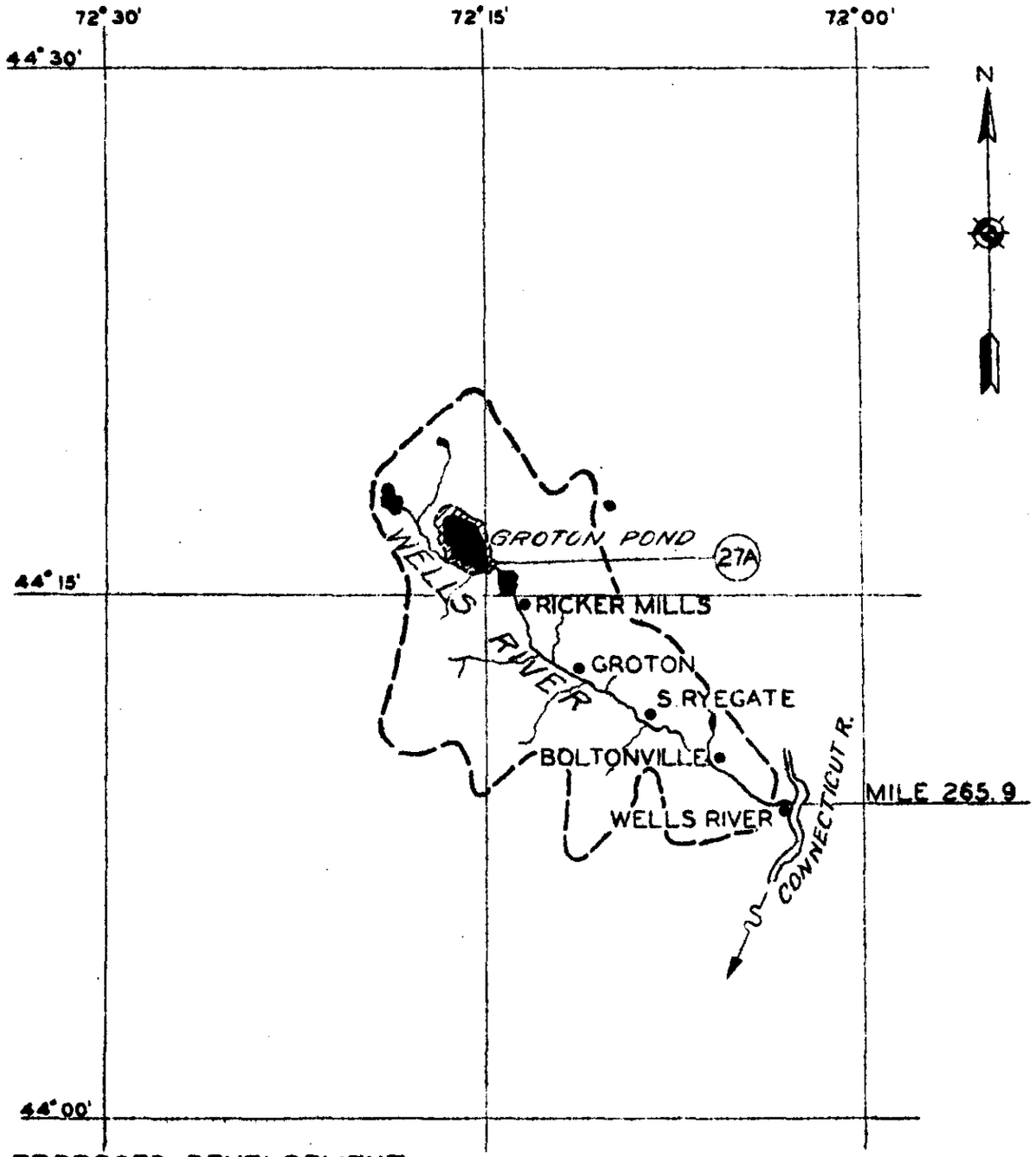
NEW HAMPSHIRE VERMONT

IN 1 SHEET	SCALE AS SHOWN	SHEET NO. 1

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

SUBMITTED	APPROVAL RECOMMENDED	APPROVED
DISTRICT ENGINEER	CHIEF, ENGINEERING DIVISION	COL. CORPS OF ENGINEERS DISTRICT ENGINEER

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

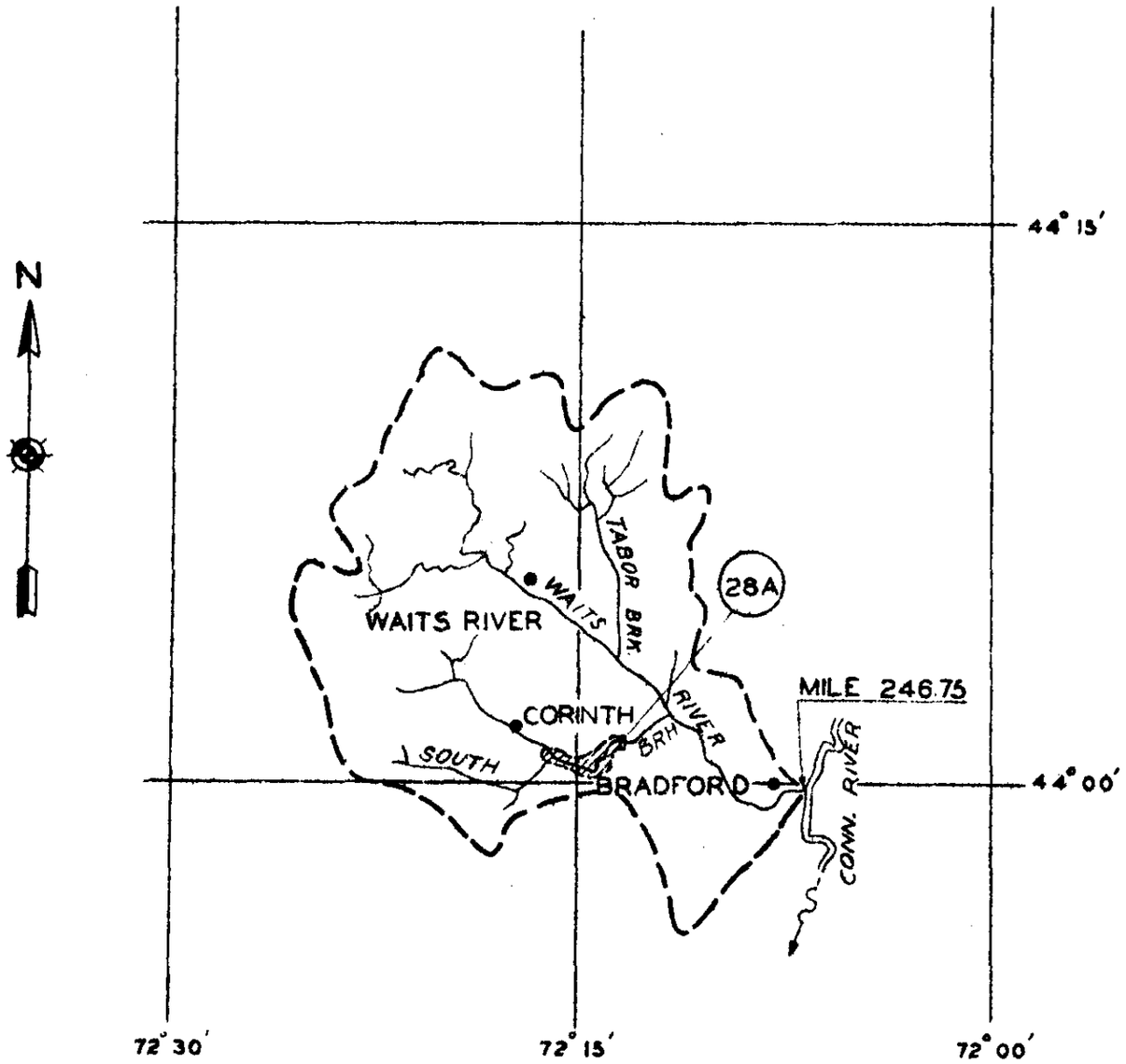
SCALE

5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

27A DAM IDENTIFICATION NUMBER



PROPOSED DEVELOPMENT
28A SOUTH BRANCH

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

WAITS RIVER, VERMONT

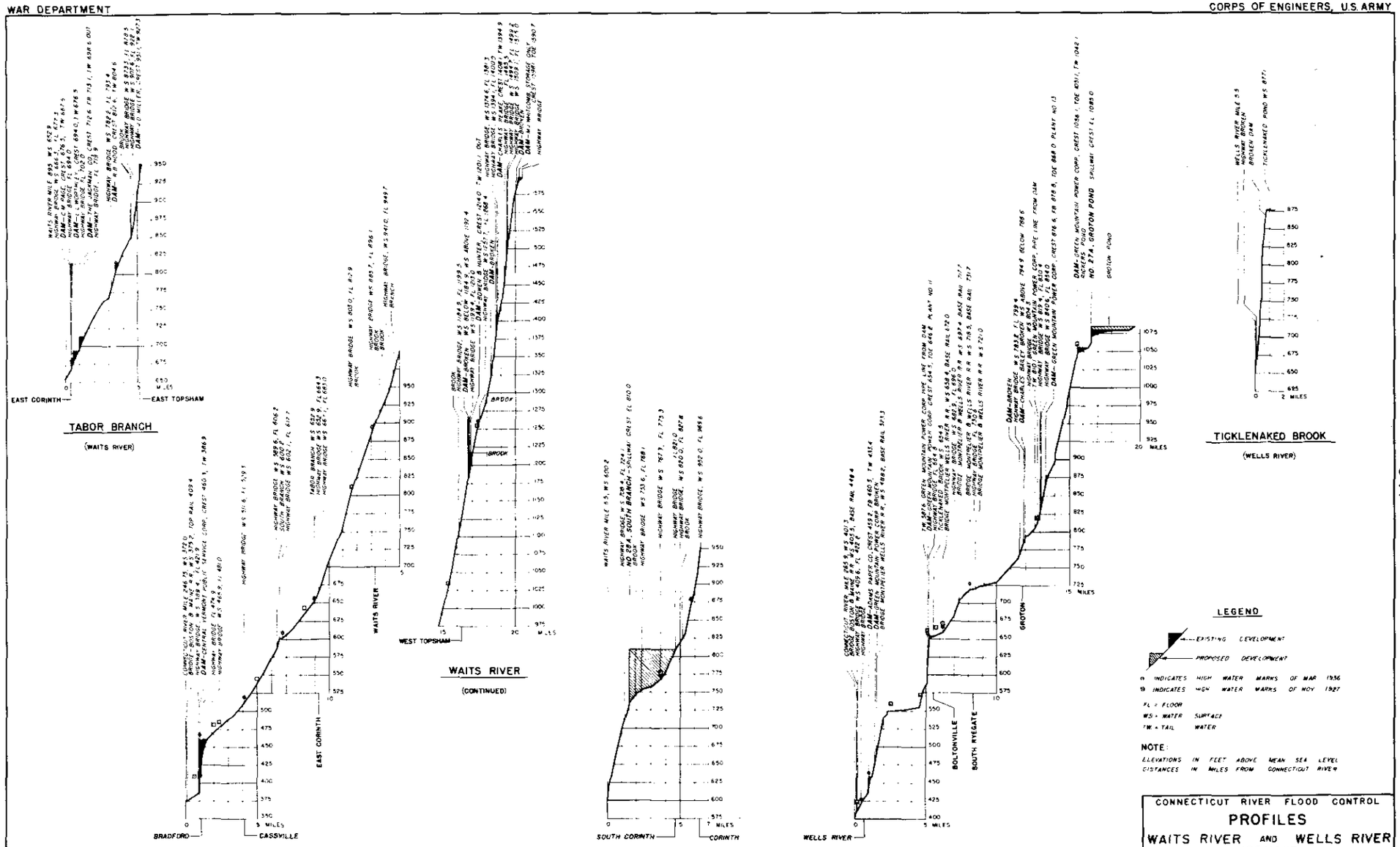
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE
5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

28A — DAM IDENTIFICATION NUMBER



CONNECTICUT RIVER FLOOD CONTROL

PROFILES

WAITS RIVER AND WELLS RIVER

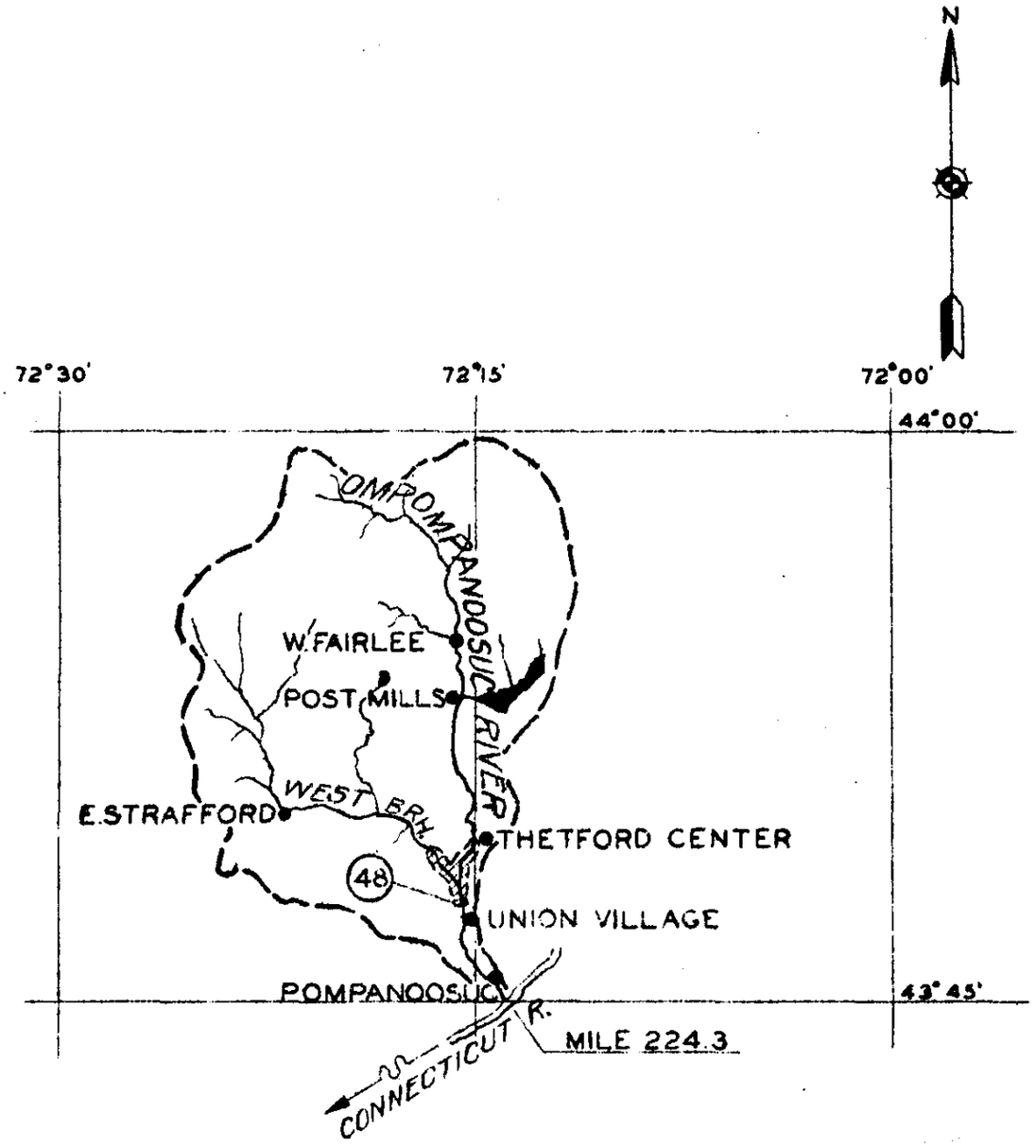
VERMONT

IN 1 SHEET	SCALE	SHEET NO. 1
	AS SHOWN	

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

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

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



PROPOSED DEVELOPMENT

48 UNION VILLAGE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

OMPOMPANOOSUC RIVER, VT.

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

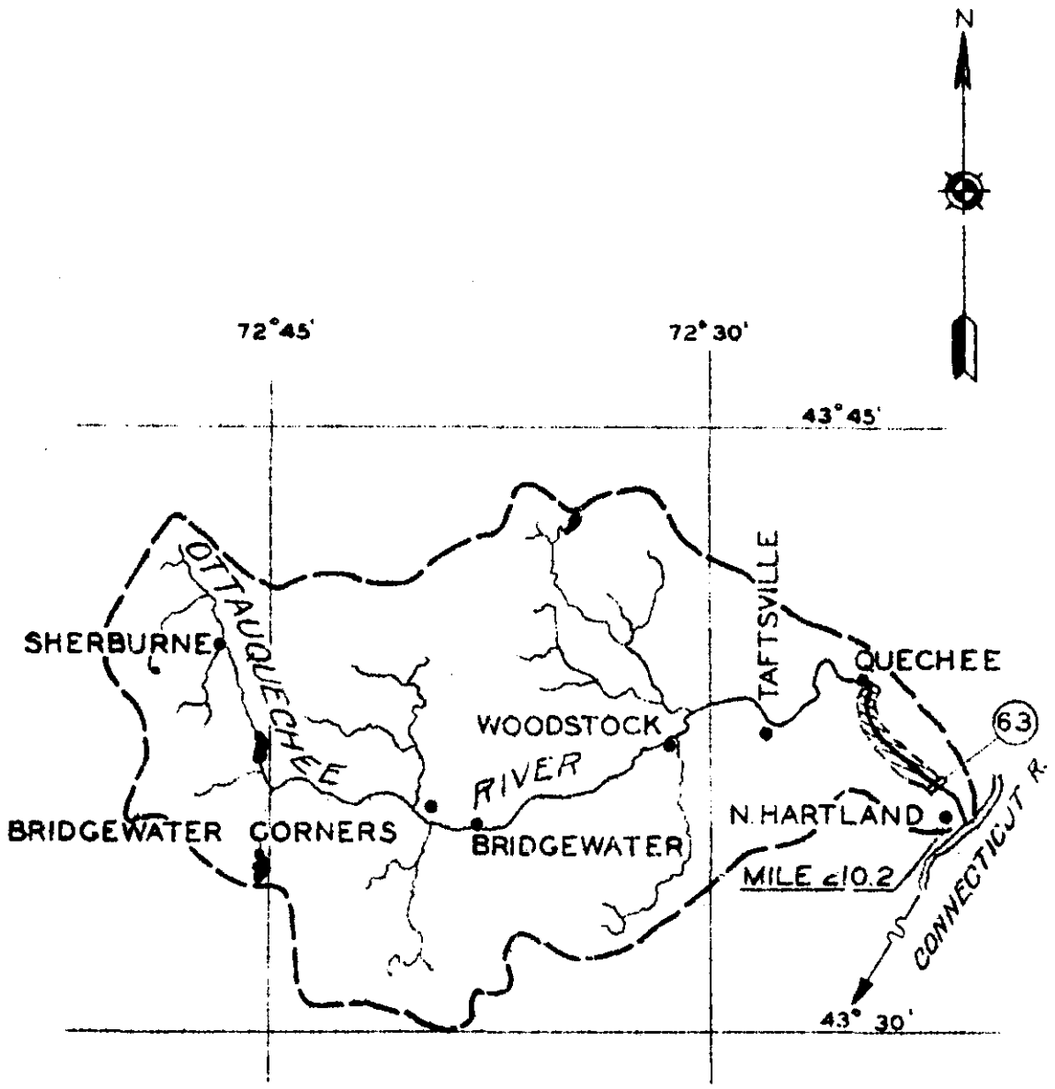
SCALE

5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

48 DAM IDENTIFICATION NUMBER



PROPOSED DEVELOPMENT

63 NORTH HARTLAND

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

OTTAUQUECHEE RIVER, VT.

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

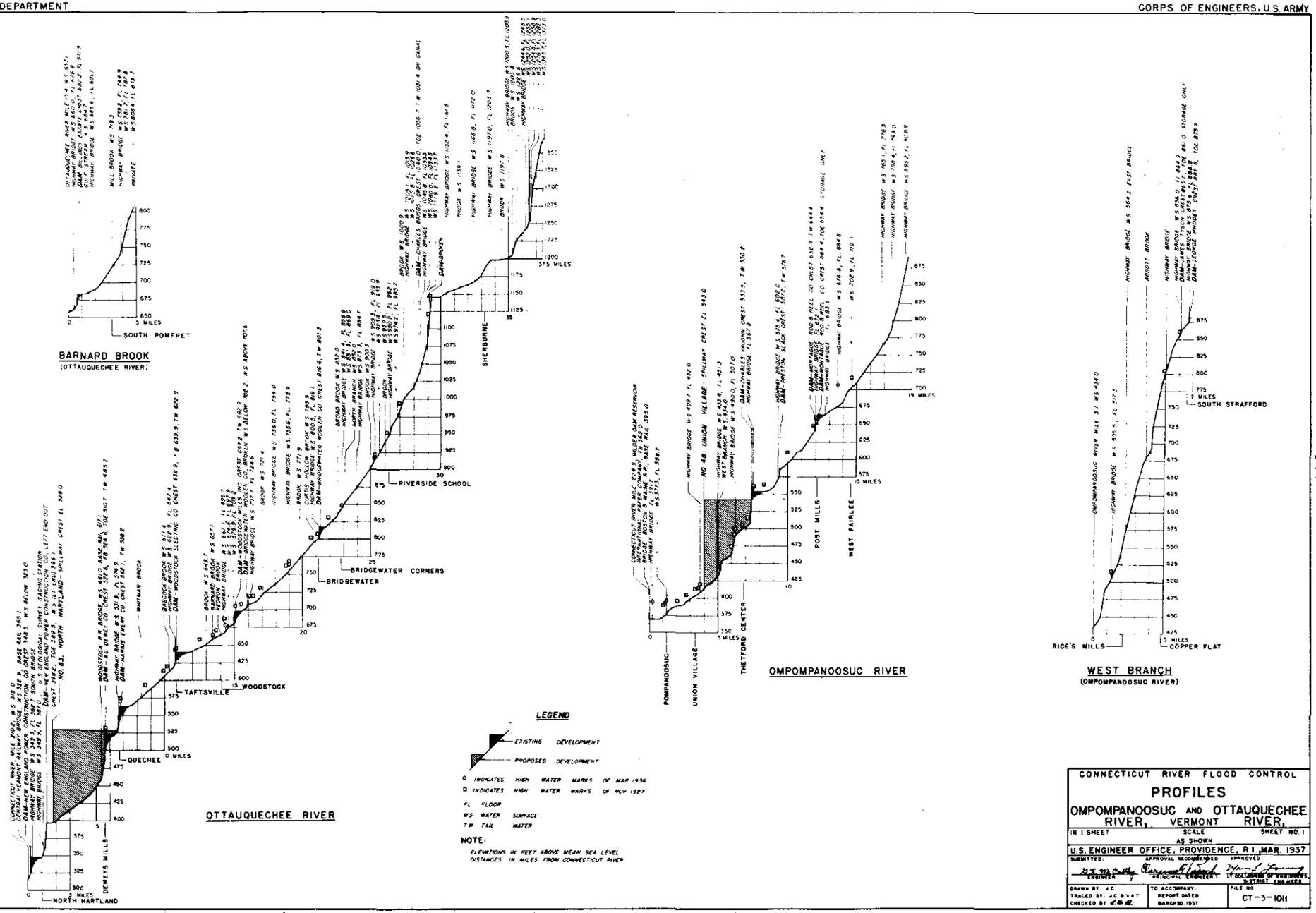
SCALE

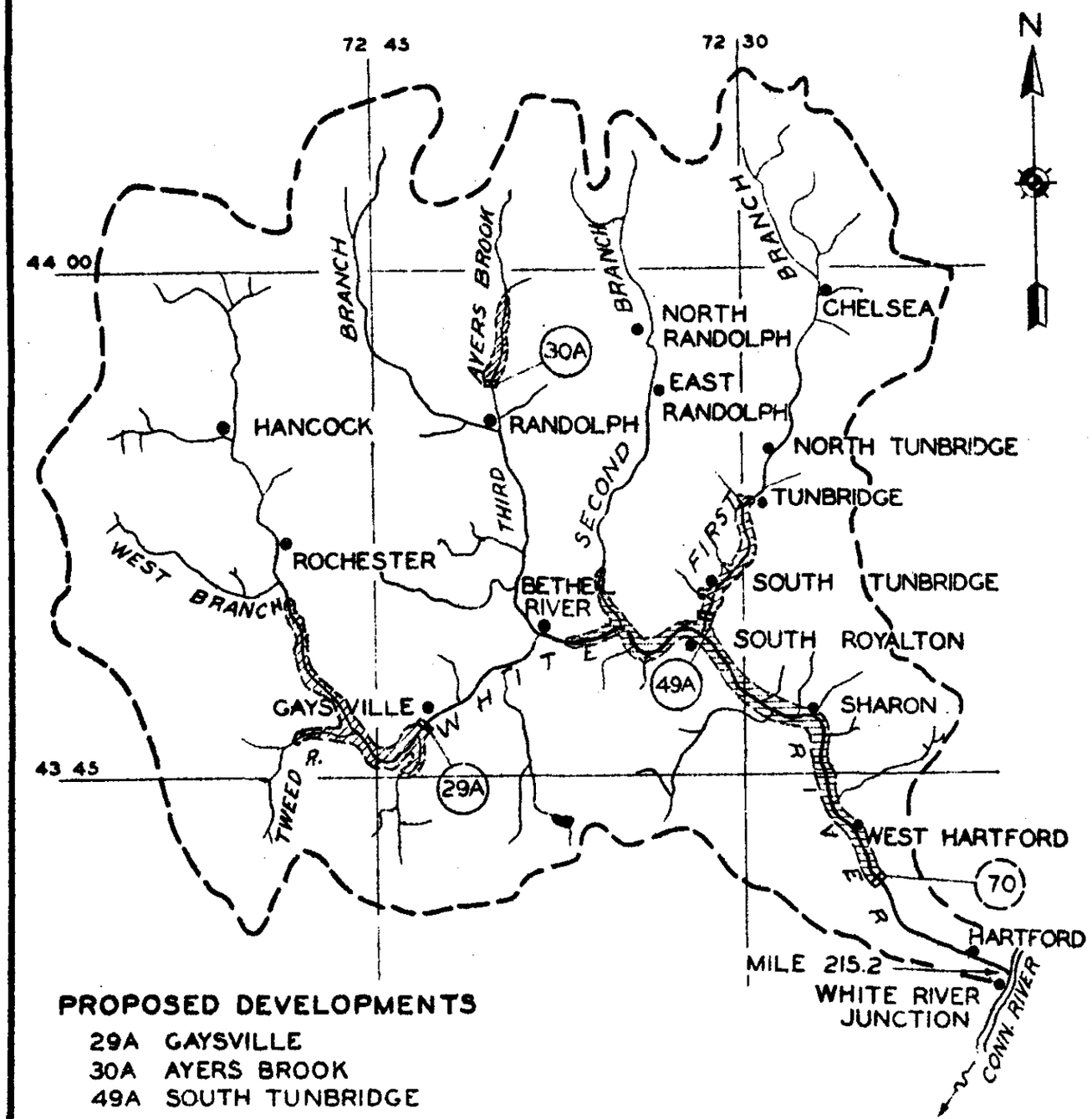
5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

63 DAM IDENTIFICATION NUMBER


BARNARD BROOK
(OTTAUQUECHEE RIVER)
SOUTH POMFRET
OTTAUQUECHEE RIVER
NORTH HARTLAND
DEWEYS MILLS
QUECHEE
TAFTSVILLE
WOODSTOCK
WHITMAN BROOK
BRIDGEWATER
BRIDGEWATER CORNERS
RIVERSIDE SCHOOL
SHERBURNE
OMPOMPANOOSUC RIVER
POMPANOOSUC
UNION VILLAGE
THETFORD CENTER
POST MILLS
WEST FAIRLEE
WEST BRANCH
(OMPOMPANOOSUC RIVER)
RICE'S MILLS
COPPER FLAT
SOUTH STRAFFORD
LEGEND
EXISTING DEVELOPMENT
PROPOSED 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 CONNECTICUT RIVER
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
OMPOMPANOOSUC AND OTTAUQUECHEE RIVER, VERMONT RIVER,
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. & 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.

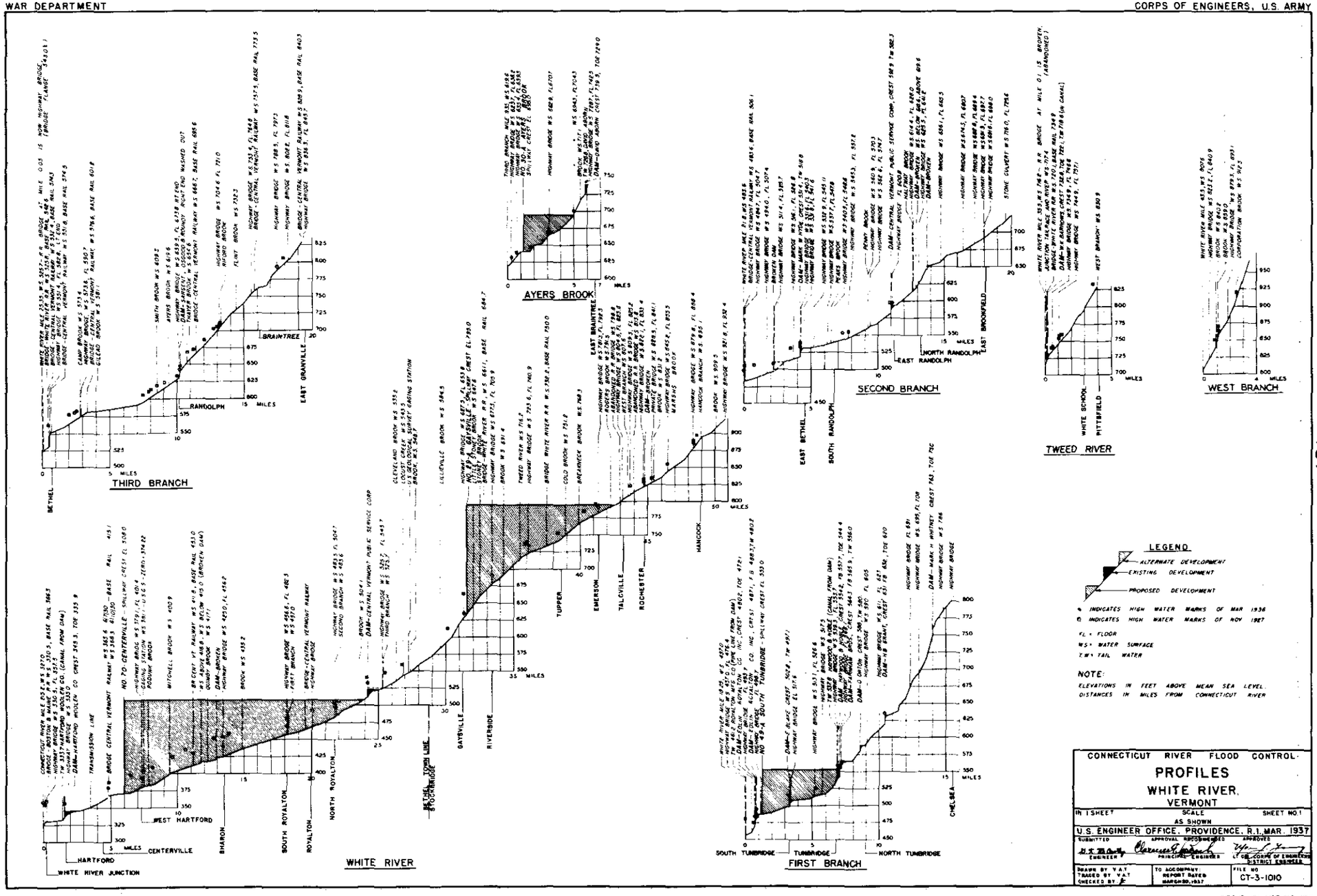
SCALE

5 0 5 10MI.

LEGEND

PROPOSED DEVELOPMENT

29A DAM IDENTIFICATION NUMBER



CONNECTICUT RIVER FLOOD CONTROL

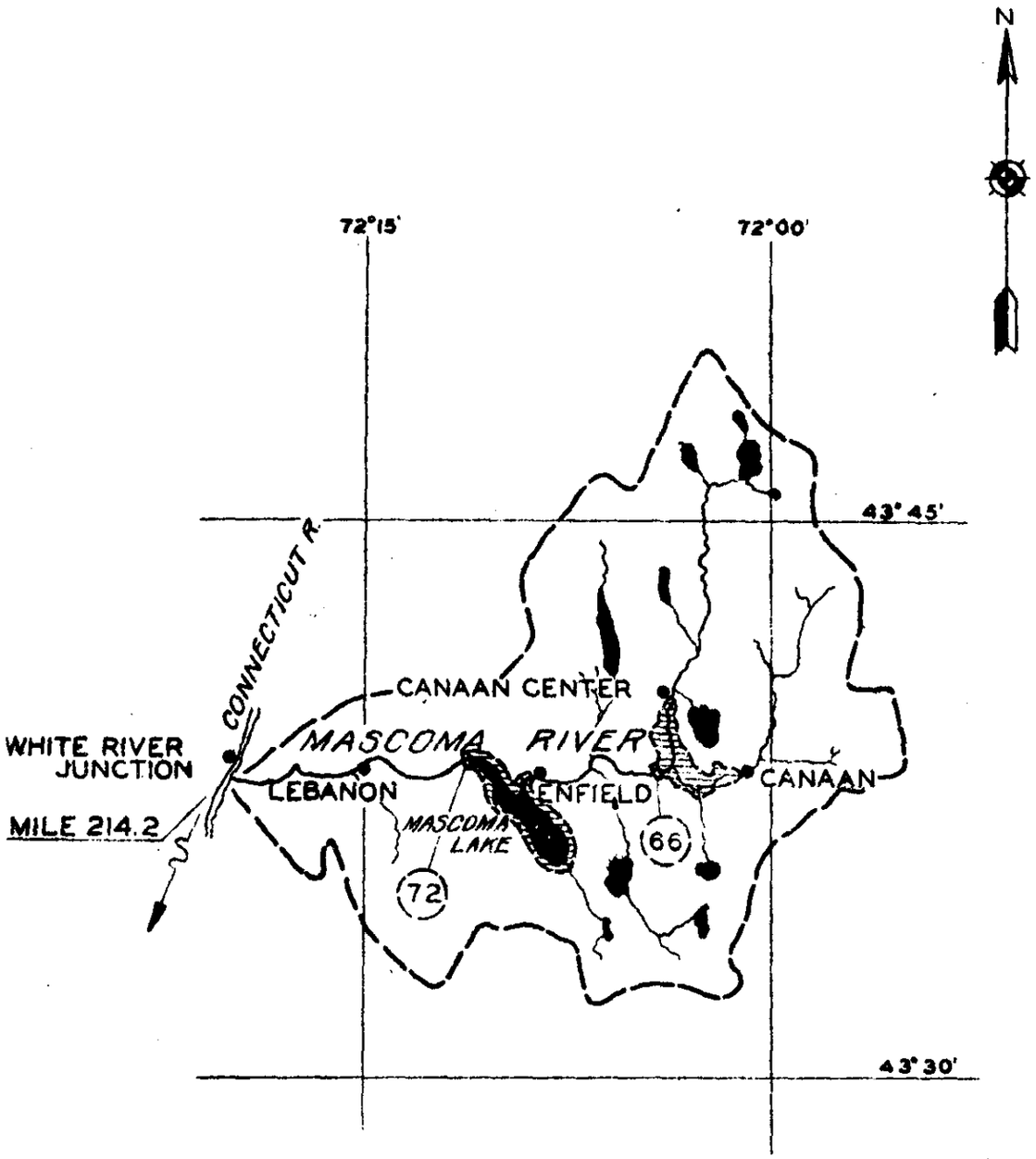
PROFILES
WHITE RIVER, VERMONT

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

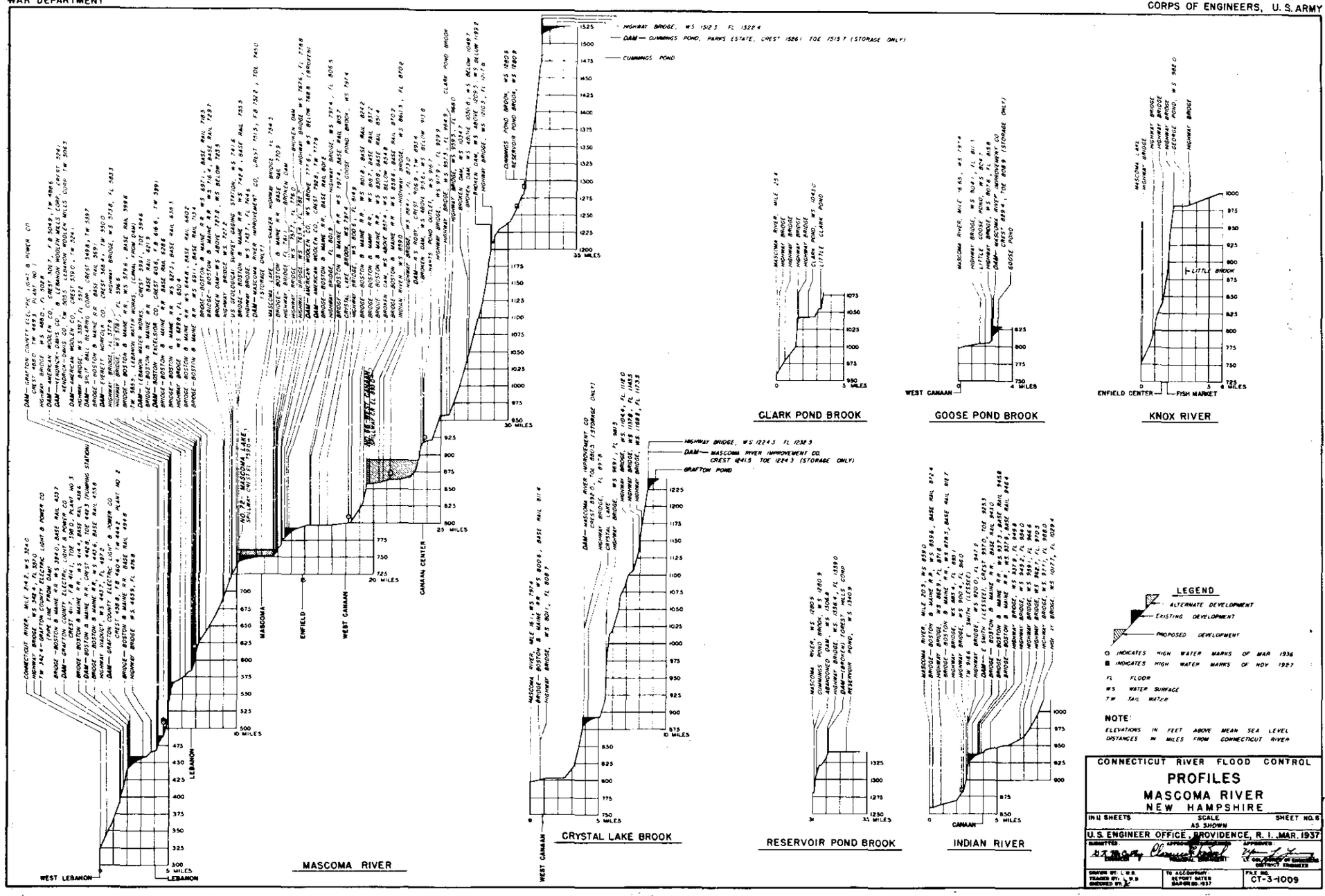
DRAWN BY V.A.T. TRACED BY V.A.T. CHECKED BY	TO ACCOMPANY REPORT DATED MARCH 30, 1937	FILE NO. CT-3-1010

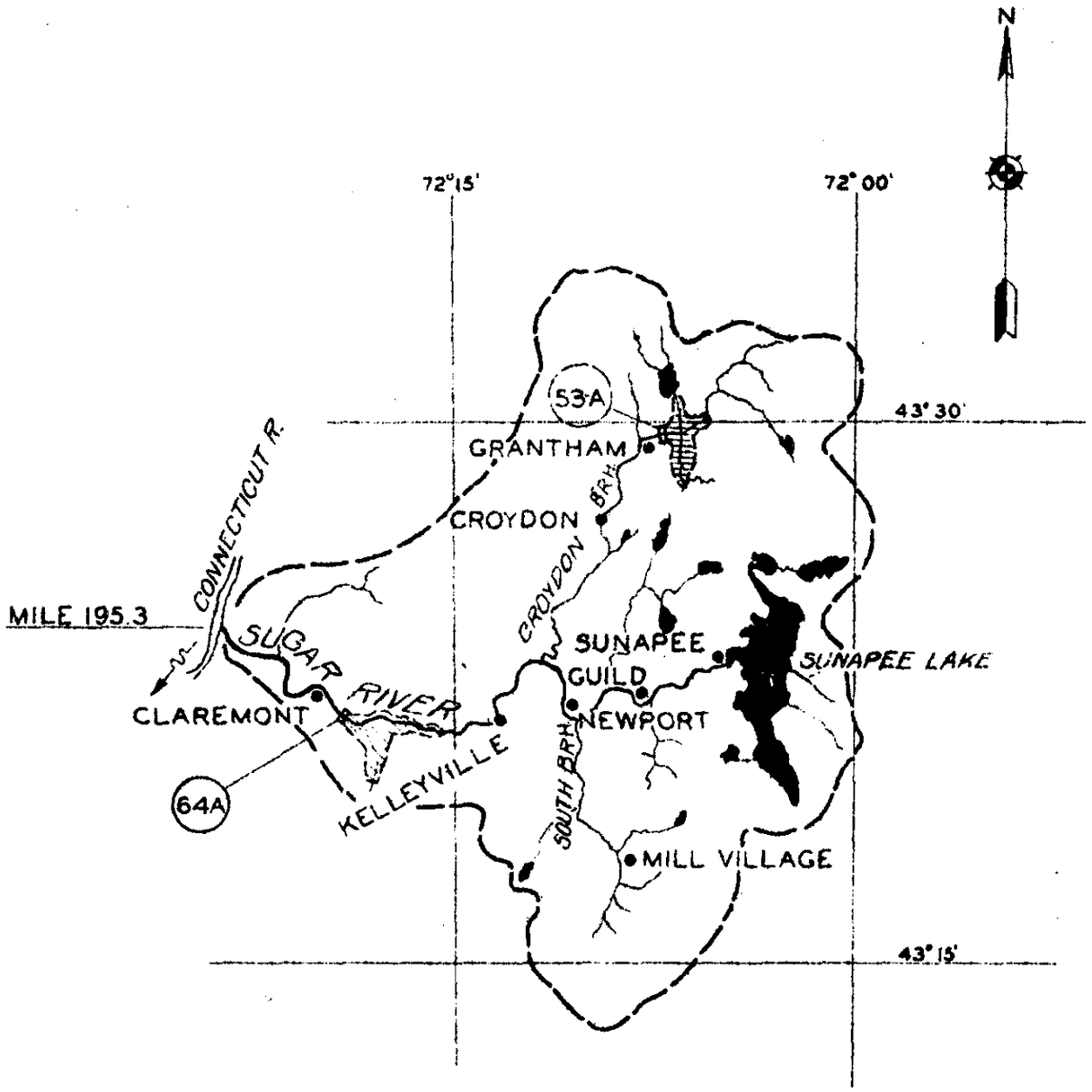


ALTERNATE DEVELOPMENT
72 MASCOMA LAKE
66 WEST CANAAN

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.


MASCOMA RIVER
CRYSTAL LAKE BROOK
RESERVOIR POND BROOK
INDIAN RIVER
CLARK POND BROOK
GOOSE POND BROOK
KNOX RIVER
WEST LEBANON
LEBANON
MASCOMA
ENFIELD
WEST CANAAN
CANAAN CENTER
CANAAN
ENFIELD CENTER
FISH MARKET
LEGEND
ALTERNATE DEVELOPMENT
EXISTING DEVELOPMENT
PROPOSED 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 CONNECTICUT RIVER
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
MASCOMA RIVER
NEW HAMPSHIRE
IN 11 SHEETS
SCALE AS SHOWN
SHEET NO. 6
U.S. ENGINEER OFFICE, PROVIDENCE, R. I., MAR. 1937
CT-3-1009



PROPOSED DEVELOPMENT
64A CLAREMONT

ALTERNATE DEVELOPMENT
53-A STOCKER POND

LEGEND

—PROPOSED DEVELOPMENT

64A—DAM IDENTIFICATION NUMBER

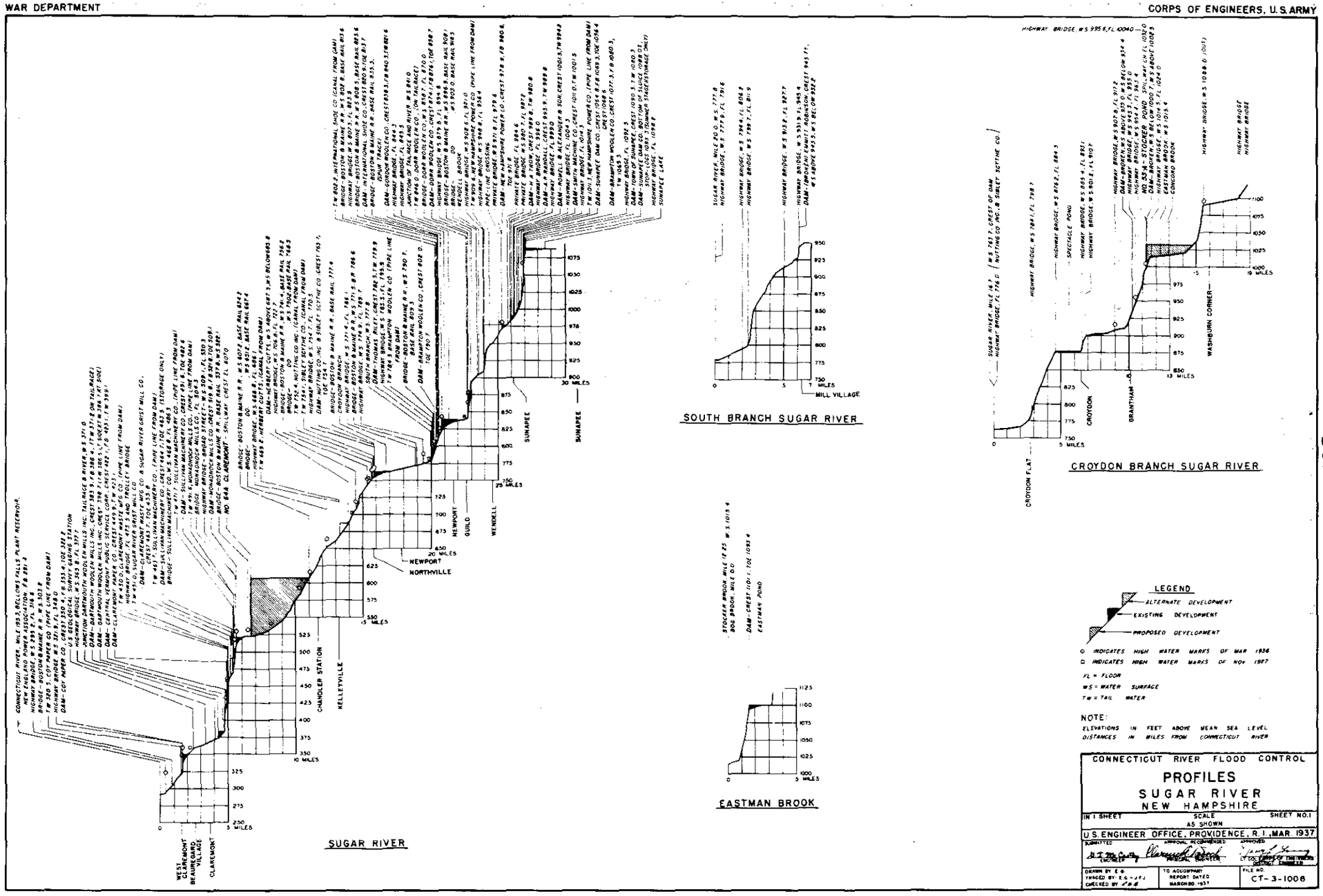
CONNECTICUT RIVER FLOOD CONTROL

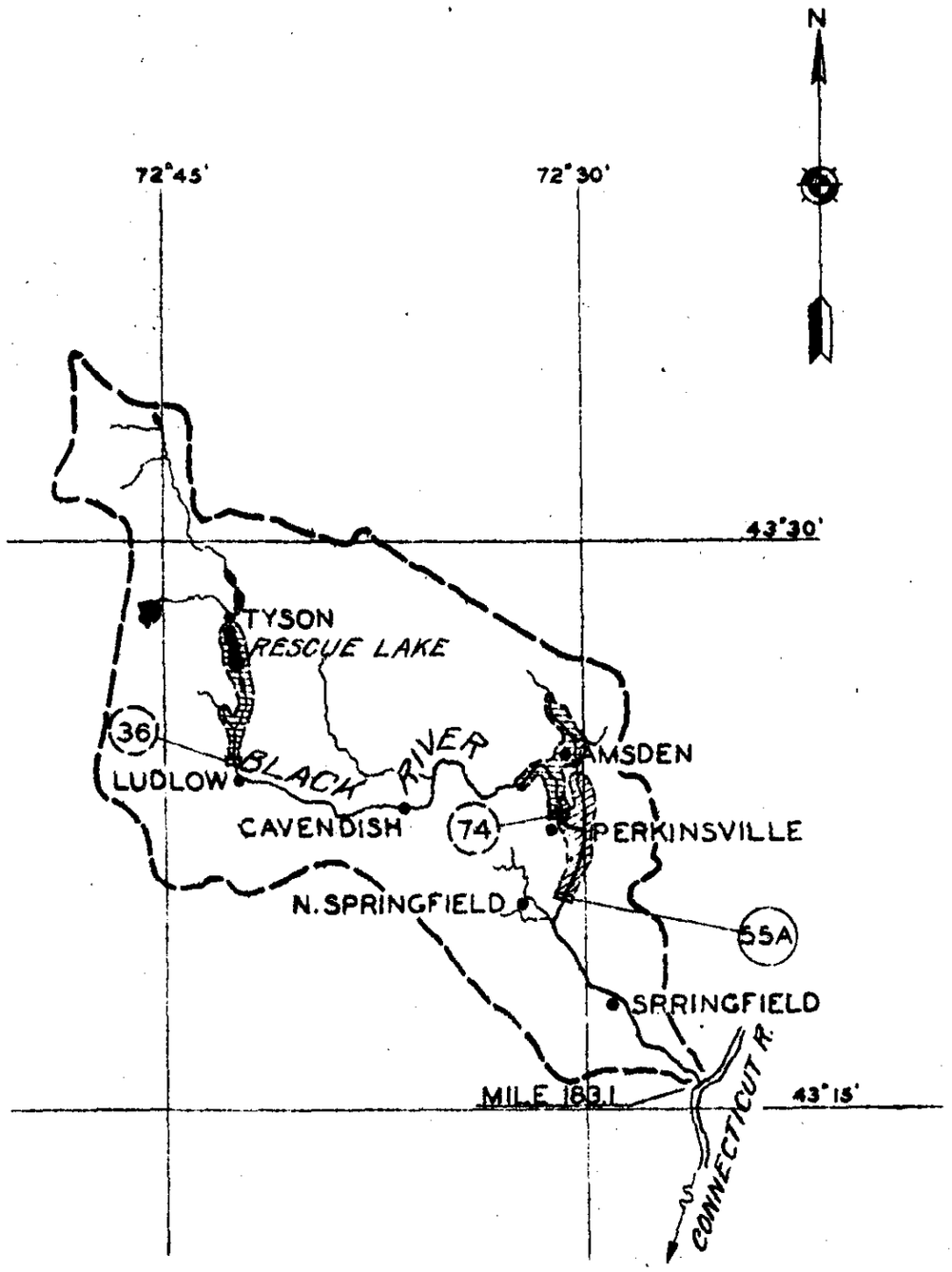
MAP OF WATERSHED

SUGAR RIVER, N.H.

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

SCALE
5 0 5 10 MI


SUGAR RIVER
SOUTH BRANCH SUGAR RIVER
CROYDON BRANCH SUGAR RIVER
EASTMAN BROOK
LEGEND
ALTERNATE DEVELOPMENT
EXISTING DEVELOPMENT
PROPOSED 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 CONNECTICUT RIVER
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
SUGAR RIVER
NEW HAMPSHIRE
IN 1 SHEET
SCALE AS SHOWN
SHEET NO. 1
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
SUBMITTED
APPROVAL RECOMMENDED
APPROVED
DRAWN BY
TRACED BY
CHECKED BY
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

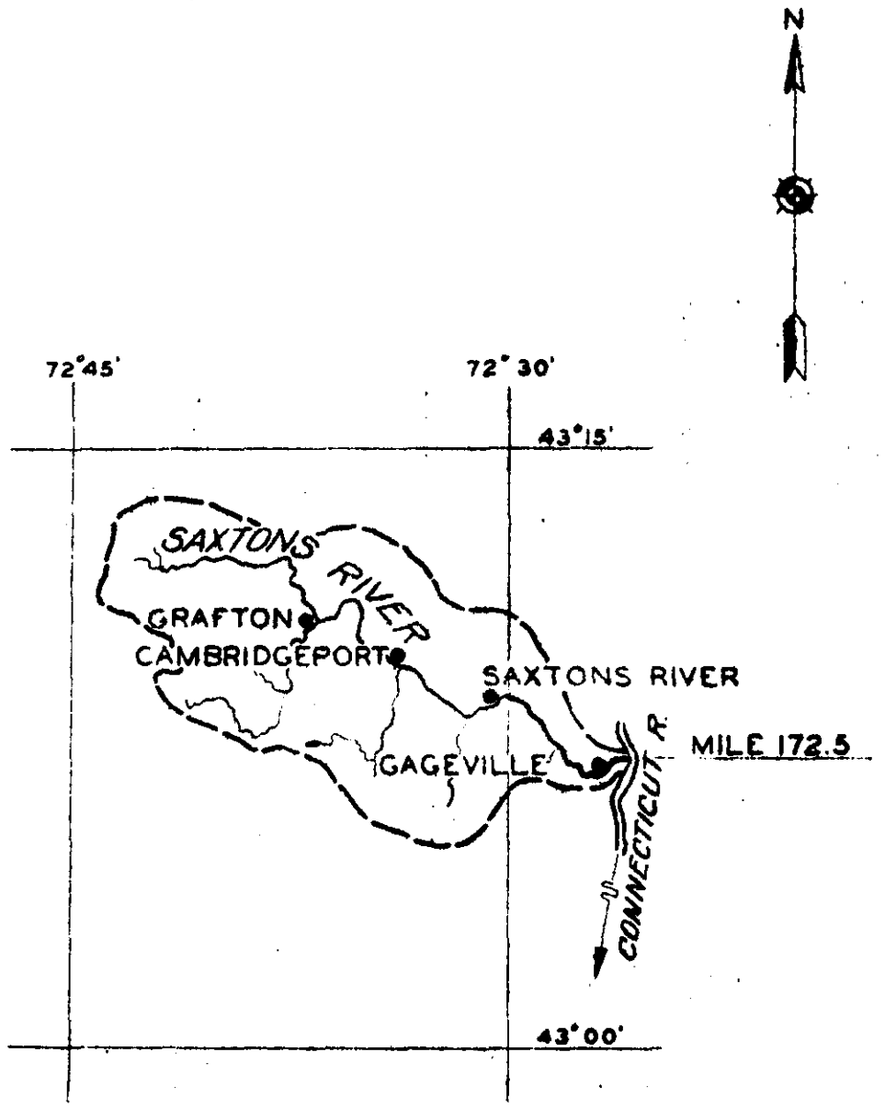
CONNECTICUT RIVER FLOOD CONTROL

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

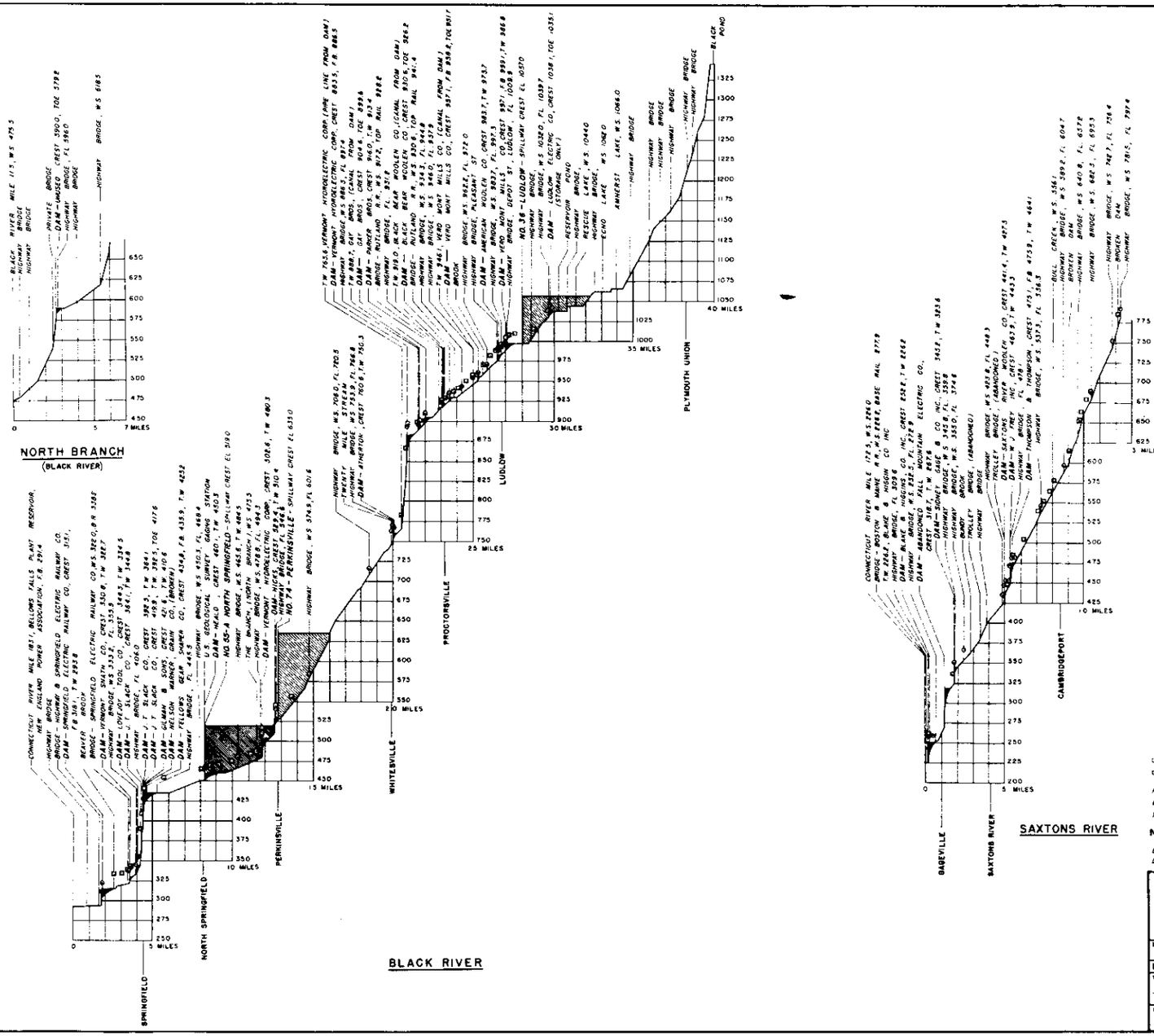
SAXTONS RIVER, VERMONT

U.S. ENGINEER OFFICE

PROVIDENCE, R.I.

SCALE

5 0 5 10 MI.



LEGEND

ALTERNATE DEVELOPMENT

EXISTING DEVELOPMENT

PROPOSED DEVELOPMENT

○ INDICATES HIGH WATER MARKS OF MAR 1936

⊡ INDICATES HIGH WATER MARKS OF NOV. 1927

FL FLOOD

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

BLACK RIVER AND SAXTONS RIVER

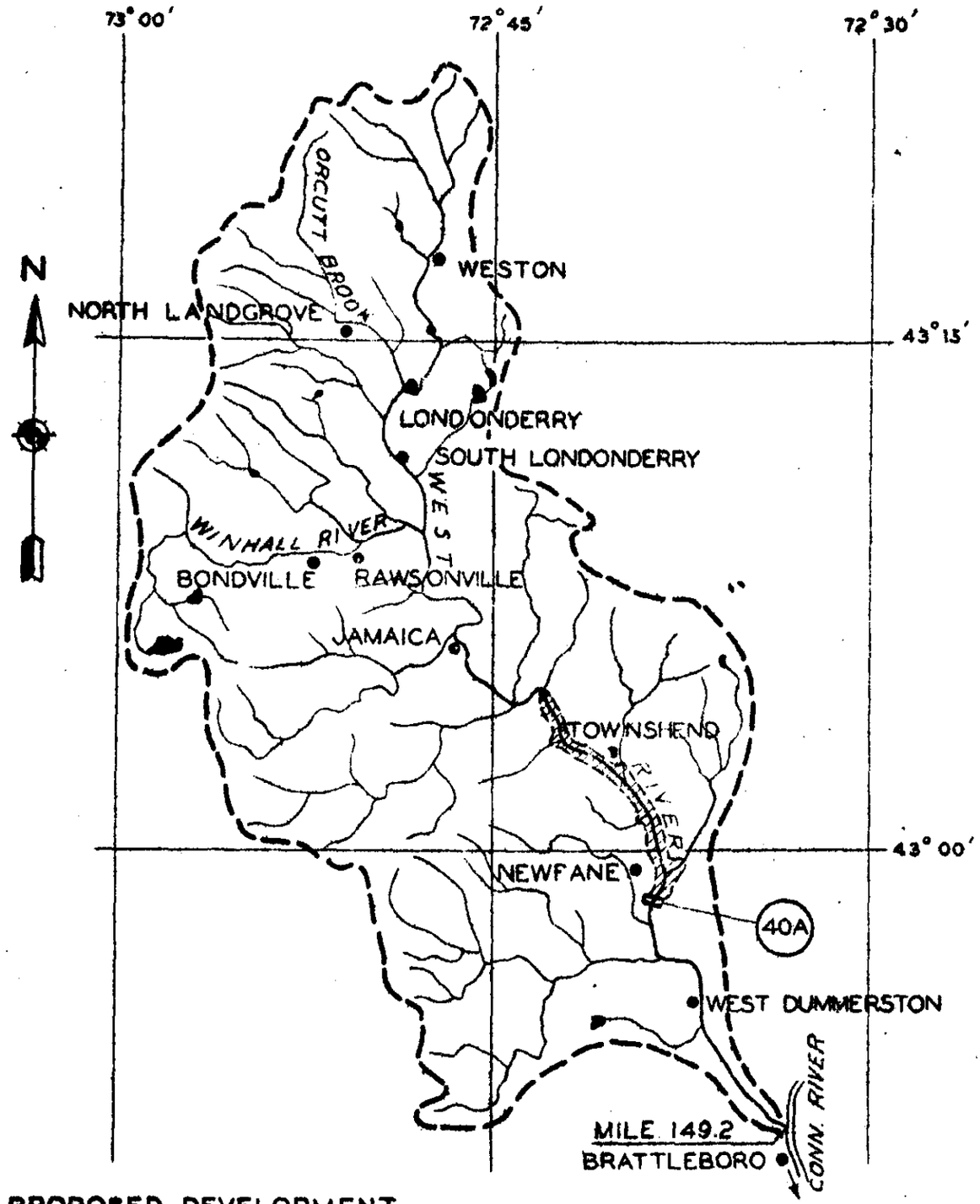
VERMONT

IN 1 SHEET	SCALE AS SHOWN	SHEET NO. 1

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

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

DRAWN BY	TO ACCOMPANY	FILE NO.
TRACED BY	REPORT DATED MARCH 20, 1937	CT-3-1007
CHECKED BY		



PROPOSED DEVELOPMENT
40A NEWFANE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

WEST RIVER, VERMONT

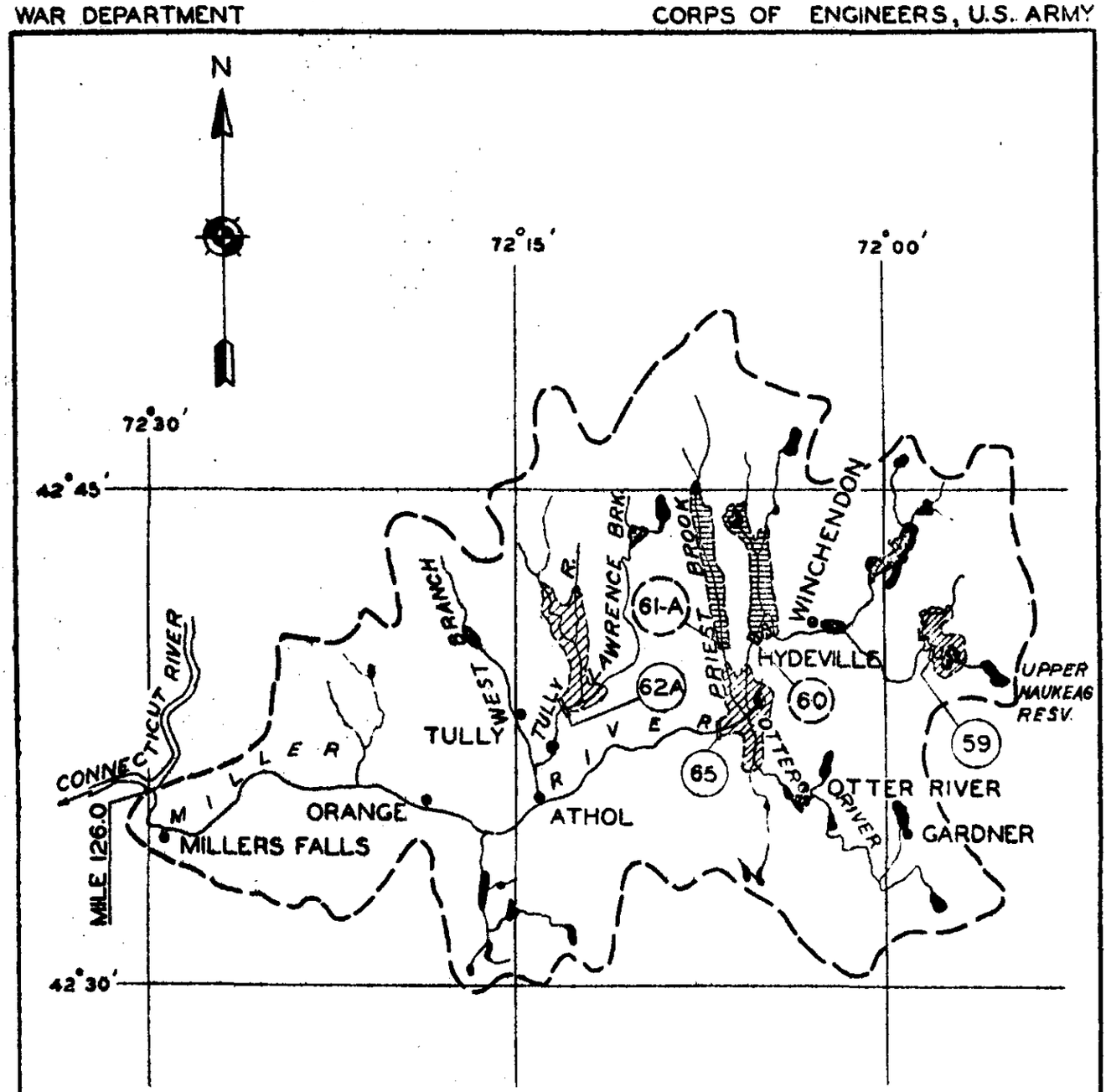
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.

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

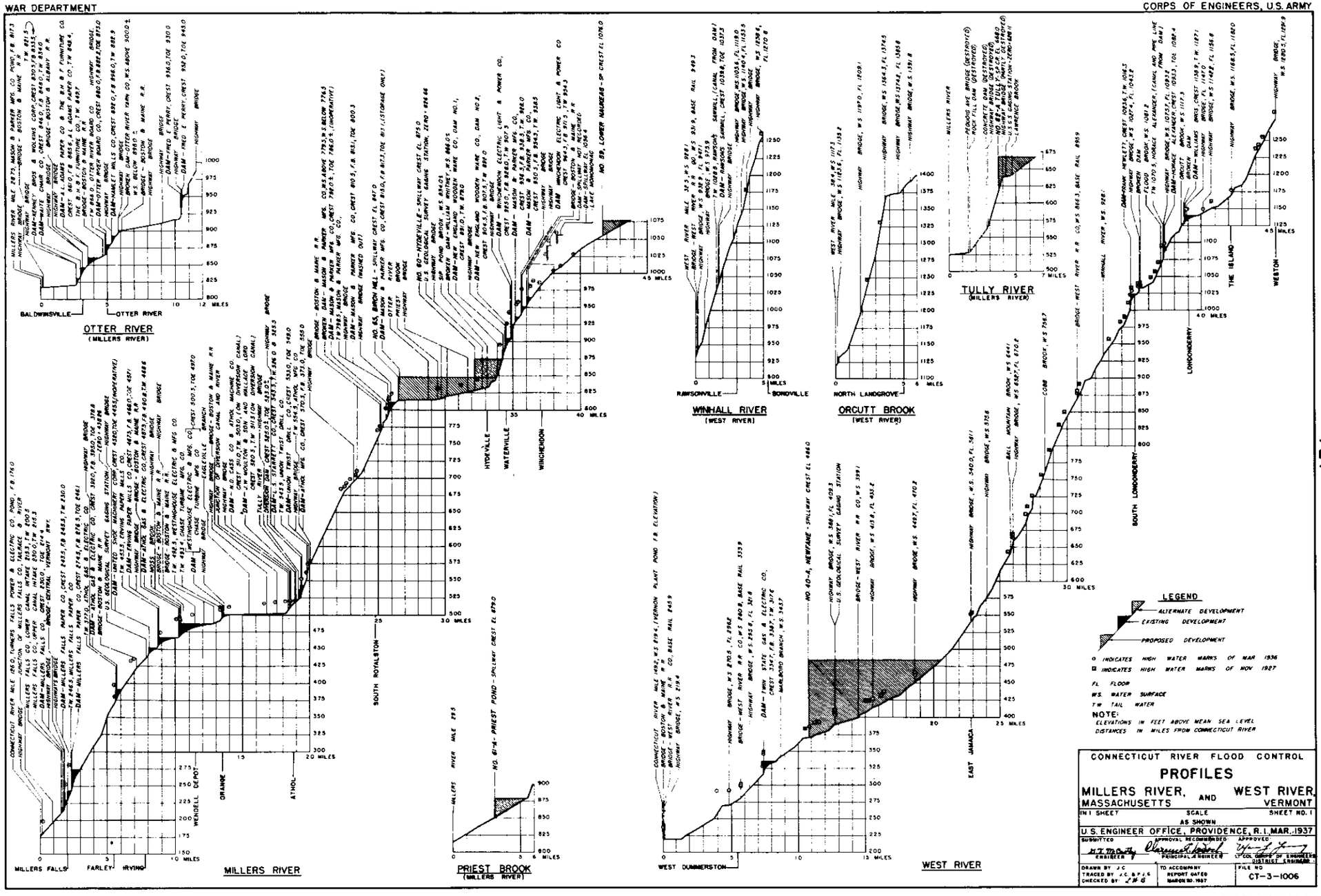
MAP OF WATERSHED

MILLERS RIVER, MASS.

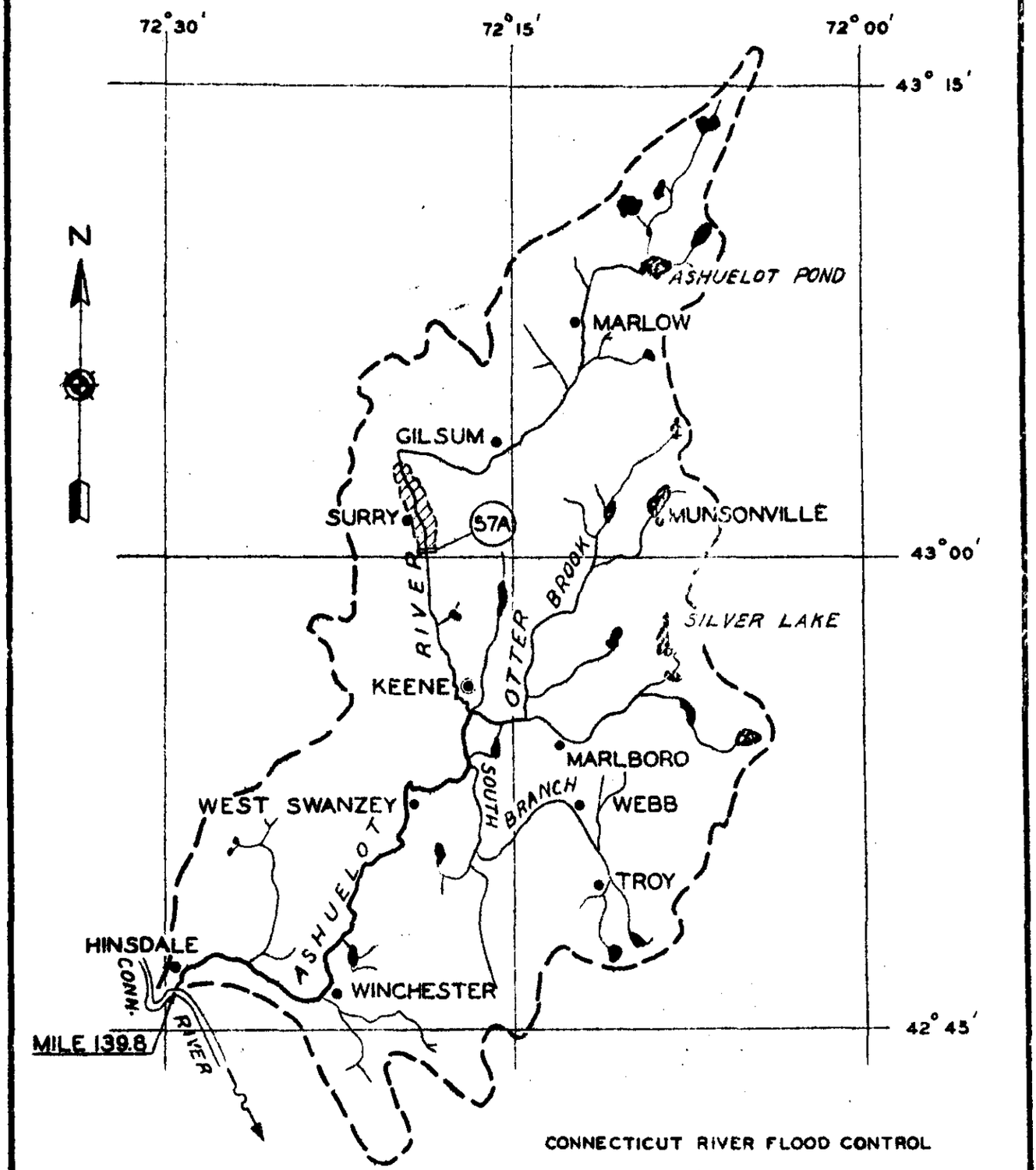
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE

5 0 5 10 MI.



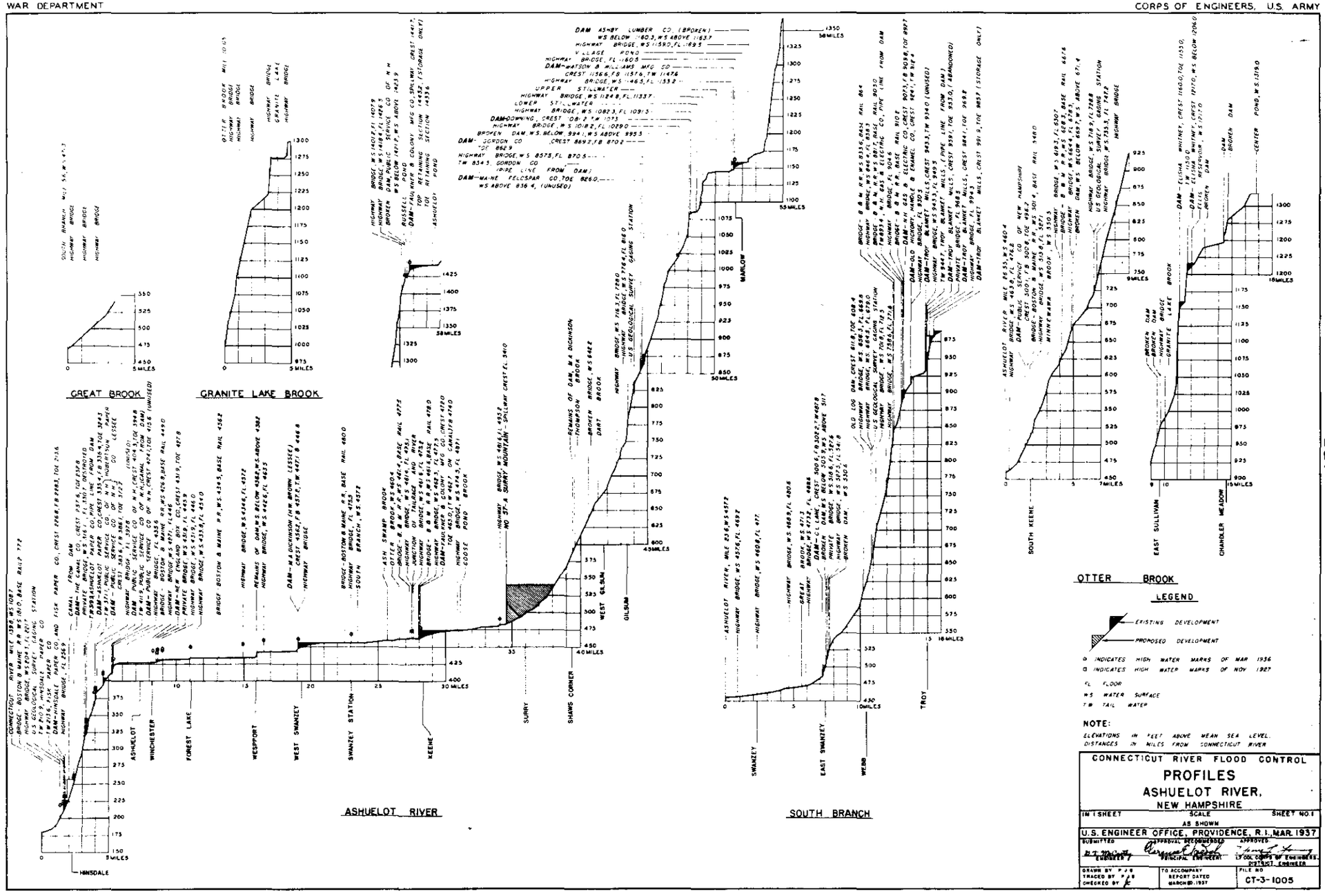
SEC. 7 — PLATE NO. 189

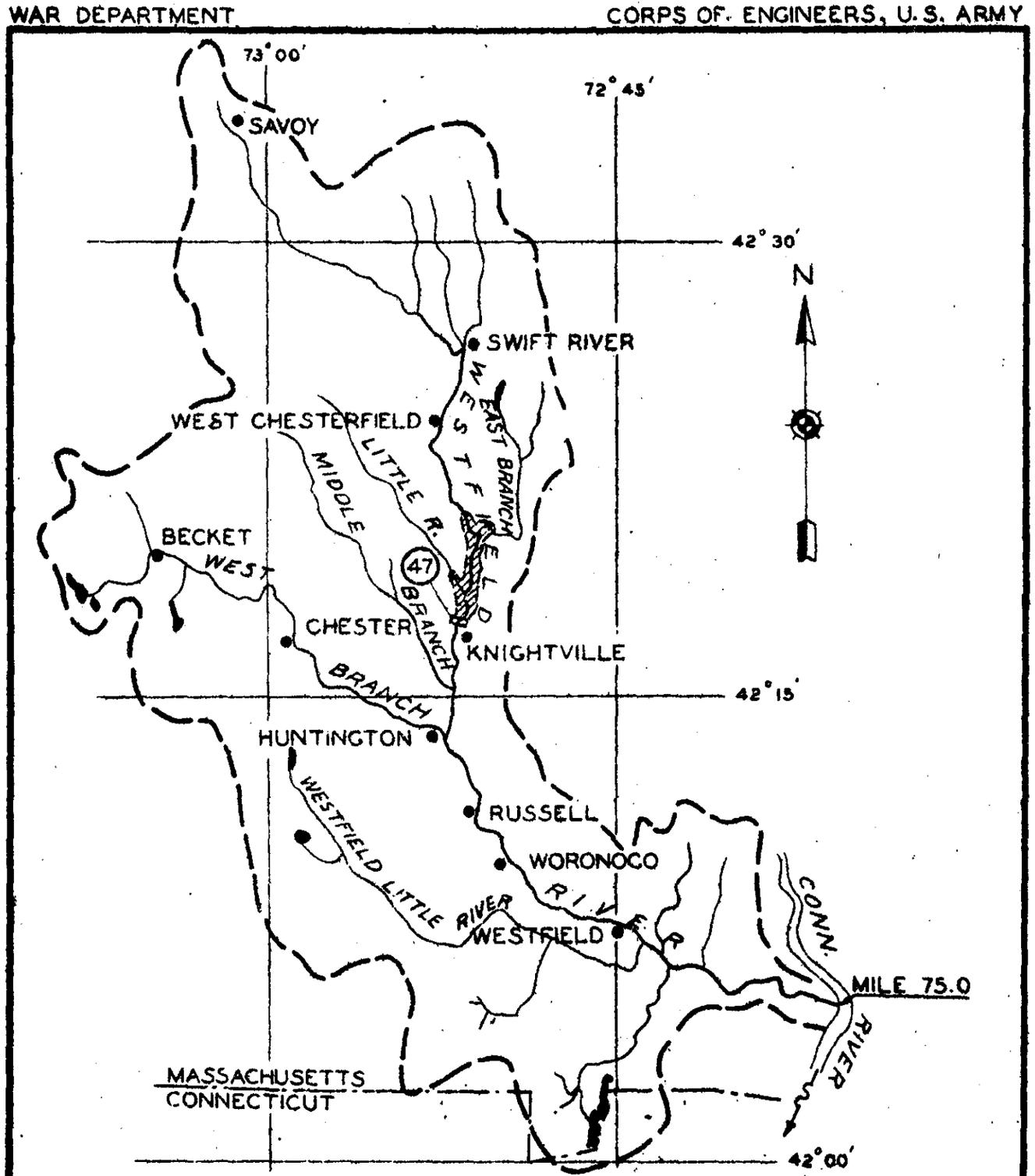


PROPOSED DEVELOPMENT
57A SURRY MOUNTAIN

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

LEGEND
←PROPOSED DEVELOPMENT
57A ←DAM IDENTIFICATION NUMBER


GREAT BROOK
GRANITE LAKE BROOK
ASHUELOT RIVER
SOUTH BRANCH
OTTER BROOK
LEGEND
EXISTING DEVELOPMENT
PROPOSED 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 CONNECTICUT RIVER
CONNECTICUT RIVER FLOOD CONTROL
PROFILES
ASHUELOT RIVER,
NEW HAMPSHIRE
SCALE
AS SHOWN
U.S. ENGINEER OFFICE, PROVIDENCE, R.I., MAR. 1937
APPROVED
CT-3-1005



PROPOSED DEVELOPMENT
47 KNIGHTVILLE

CONNECTICUT RIVER FLOOD CONTROL

MAP OF WATERSHED

WESTFIELD RIVER, MASS.

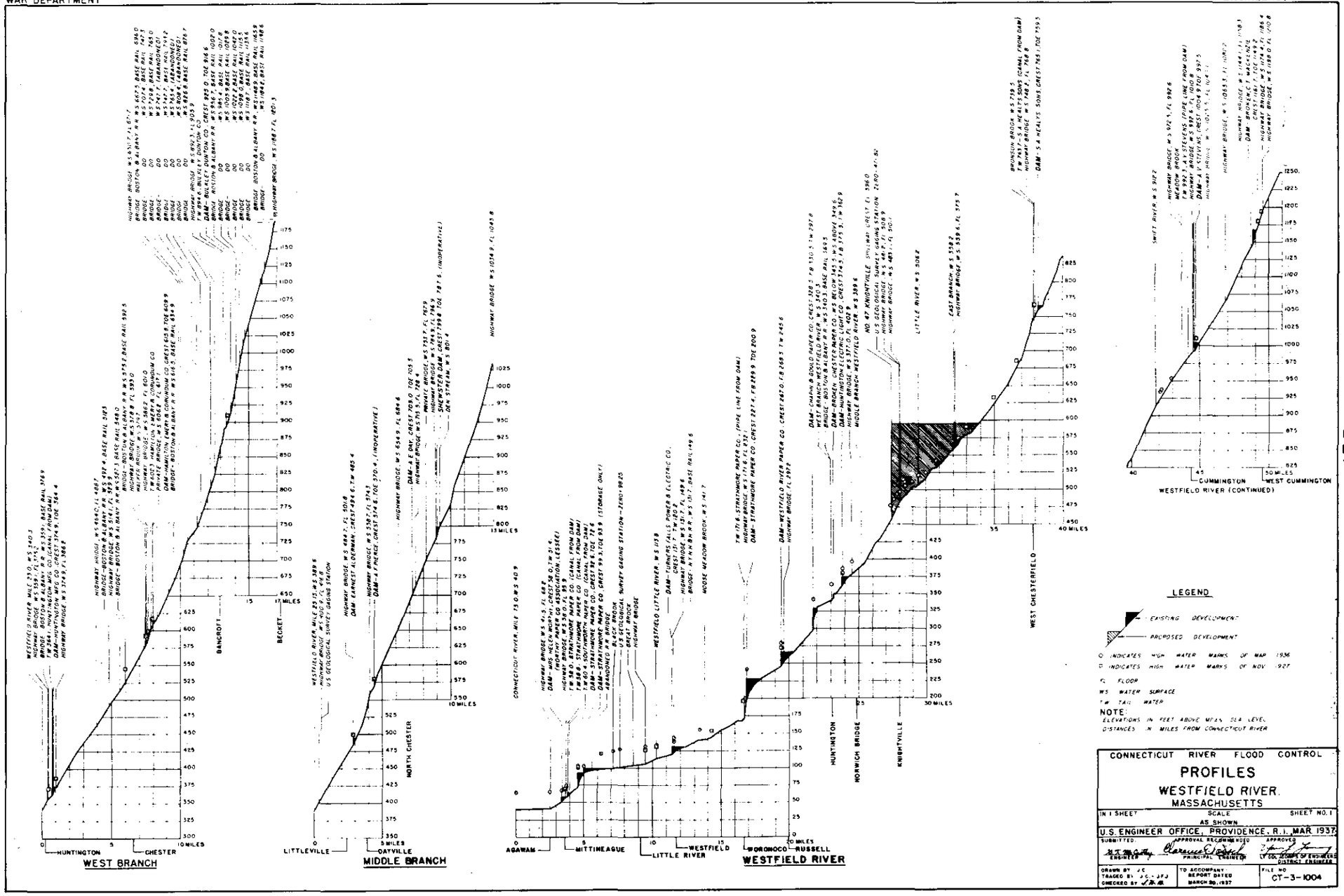
U. S. ENGINEER OFFICE
PROVIDENCE, R. I.

SCALE
5 0 5 10 MI.

LEGEND

PROPOSED DEVELOPMENT

47 DAM IDENTIFICATION NUMBER


WEST BRANCH
HUNTINGTON
CHESTER
BANCROFT
BECKET
MIDDLE BRANCH
LITTLEVILLE
OATVILLE
NORTH CHESTER
WESTFIELD RIVER
AGAWAM
MITTIMEAGUE
LITTLE RIVER
WESTFIELD
WOROCOCO
RUSSELL
HUNTINGTON
NORWICH BRIDGE
KNIGHTVILLE
WEST CHESTERFIELD
WESTFIELD RIVER (CONTINUED)
CUMMINGTON
WEST CUMMINGTON
LEGEND
EXISTING DEVELOPMENT
PROPOSED 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 CONNECTICUT RIVER
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
LT. COL. 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