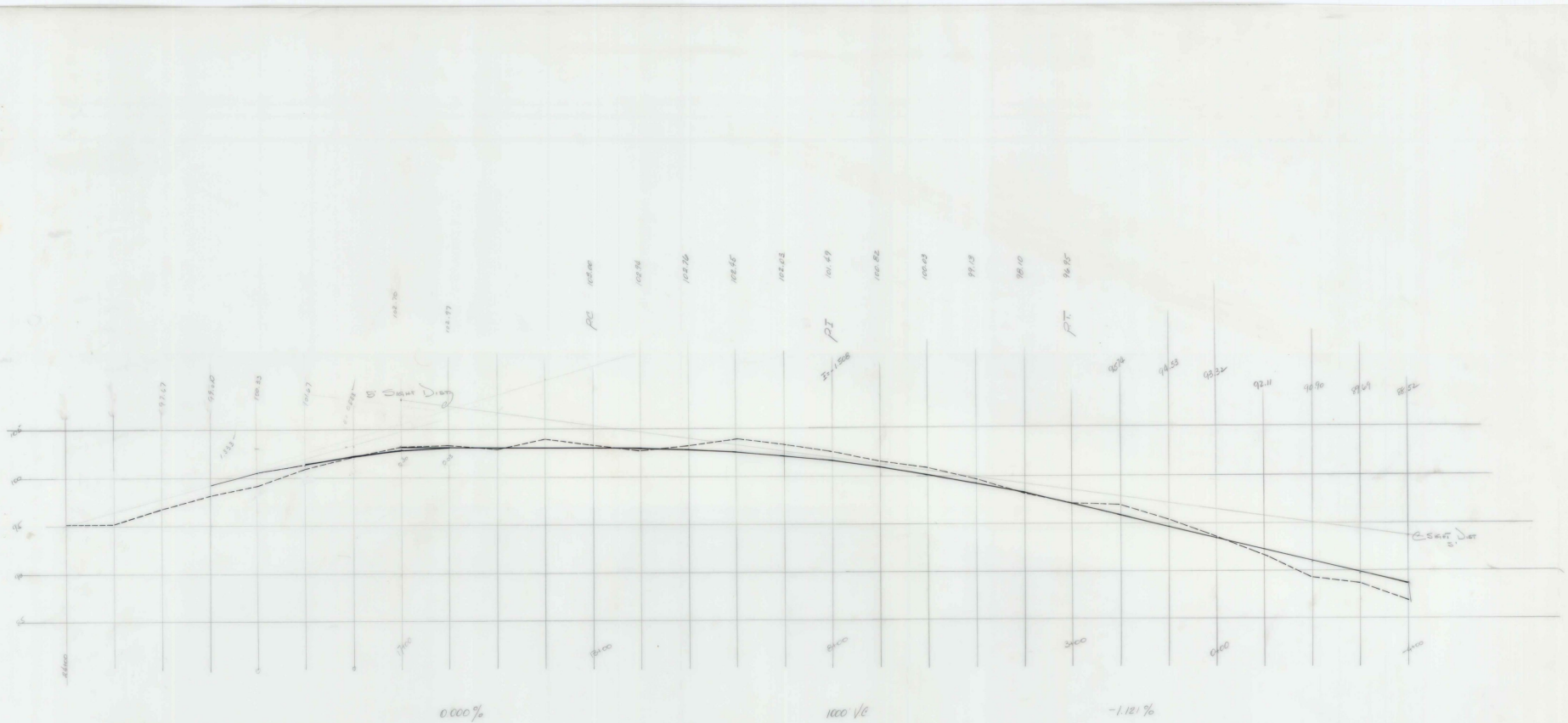


SAVAGE ISLAND
T. RIEHLE (OWNER)
VERMONT AERO BD
D. CUMMINGS P.E. #15660

EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

Fed. Road Division No.	State	Project No.	Fiscal Year	Sheet No.	Total Sheets
1	VT		Post War		

Station	Elevation On Tangent	Elevation On V Curves	Corr V.C.	Dist	Total Excavation Earth and Rock Area	Total Excavation Cu Yds	Embankment Area	Embankment Cu Yds	Base Area	Base Cu Yds	Station (right section)	Elevation On Tangent (right section)
					AB		AB	AB				
-4+06	88.45						0					
				.06			100	22 26	26		26	
-4+00	88.52				0		200					
				100	6	22	160	593 682	660		686	
-3+00	89.73				12		120					
				100	8.5	30	135	463 532	502		1188	
-2+00	90.93				5		130					
				100	4	15	102	379 435	420		1608	
-1+00	92.14				3		13					
				100	42.5	159	48	178 205	46		1654	
0+00	93.34				82		23					
				100	84	311	12	44 51		260	1394	
1+00	94.54				86		0					
				100	76.5	285				285	1109	
2+00	95.75				67							
				100	76.0	281				281	828	
3+00	96.95	96.95	0.000		86							
				100	42.5	159				159	669	
4+00	98.15	98.09	0.060		0							
				100	46.5	174				174	495	
5+00	99.35	99.11	0.241		93							
				100	111.5	414				414	81	
6+00	100.56	100.03	0.543		130							
				100	121.5	451				451		370
7+00	101.76	100.79	0.965		113							
				100	113	418				418		788
8+00	103.00	101.49	-1.508		113							
				100	114	422				422		1210
9+00	103.00	102.03	0.965		115							
				100	123	456				456		1666
10+00	103.00	102.45	0.543		131							
				100	91.5	340				340		2006
11+00	103.00	102.76	0.241		52		0					
				100	32	119	7	26 30		89		2095
12+00	103.00	102.94	0.060		12		14					
				100	32.5	85	11	41 47		38		2133
13+00	103.00	103.00	0.000		53		8					
				100	46.5	137	8	30 35		102		2235
14+00	103.00				40		8					
				100	20	74	21	74 85	11			2224
15+00	103.00	103.00	0.000		0		33					
				100	19	70	26	93 108	38			2186
16+00	103.00	102.97	0.033		38		18					
				100	31	115	33	126 145	30			2156
17+00	103.00	102.70	0.299		23		47					
				100	12	44	44	163 187	143			2013
18+00	103.00	102.18	0.833		0		41					
				100			112	230 265	265			1748
19+00	101.67	101.37	0.299				83					
				100			105	389 447	447			1301
20+00	100.33	100.30	0.033				127					
				100			125	463 532	532			769
21+00	99.00	99.00	0.000				122					
				100			108	396 455	455			314
22+00	97.67				0		93					
				100	12	44	177	655 753	709		395	
23+00	97.67				24		261					
				.06	12	3	131	29 33	30		425	
23+06	97.67				0		0					
Carried Forward / Column Footings						4628		5053				

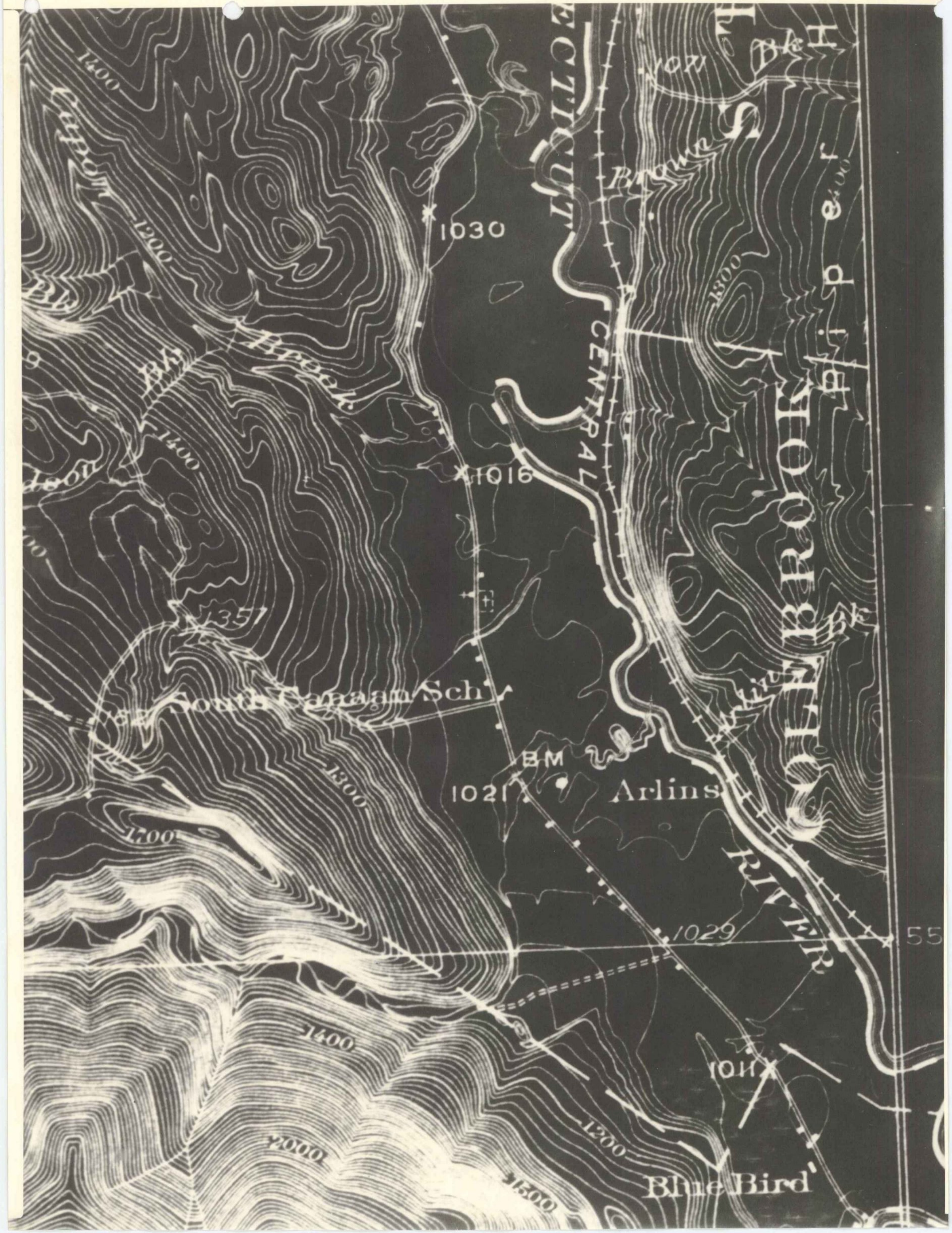
PROJECT SAVAGE ISLAND


CANADA
UNITED STATES
MAINE CENTRAL
Halls Stream
Tabor Notch
Comstock Hill
Indian Stream
Shatney Mountain
Leighton Bk
Perry Bk
Camp Bk
Moose Pond
Harris Pond
Middle Pond
Mud Pond
Jacquith Pond
Back Lake
Scott Bk
Spooner Hill
Cowen Hill
Pittsburg
CONNECTICUT
LAKE
Wheeler School
Indian Stream School
Stanton School
Coolidge Bk
Dead Water
Bear Mtn
Labrador
Clarksville Town Hall
Young Hill
Young School
Clarksville Pond
Halls Stream School
NEW HAMPSHIRE
VERMONT
CANAAN
Beecher Falls
Perry School
Favreau Brook
C L A R K S V
(Dixville)
STEWARTSTOWN HOLLOW 4.2 MI.
COLEBROOK 9 MI.
Scale 1/62500
Contour interval 20 feet
Datum is mean sea level
Topography by D.H.Watson, S.E.Clement, and F.R.Swearingen.
Surveyed in 1925
ROAD CLASSIFICATION
Heavy-duty
Medium-duty
Light-duty
Unimproved dirt
U. S. Route
State Route
APPROXIMATE MEAN DECLINATION, 1925
TRUE NORTH
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON

1" = 4000' 130%


Comstock
Hill
1700
1400
1200
1192
Chase
Indian Stream School
Brook
Coolidge
Stanton
1500
1900
Bk
1700
BM
1155

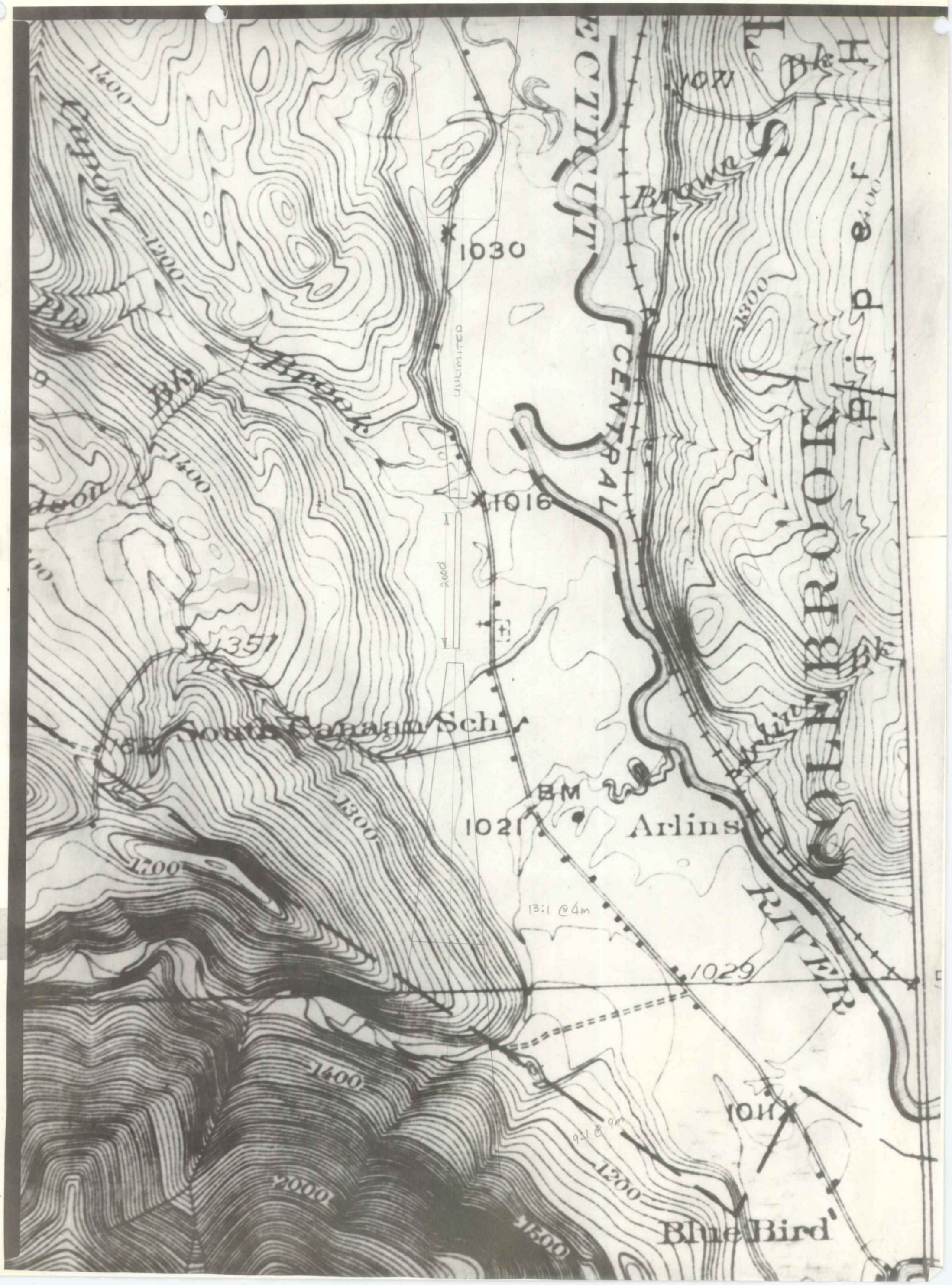
1" = 1000' 520 %

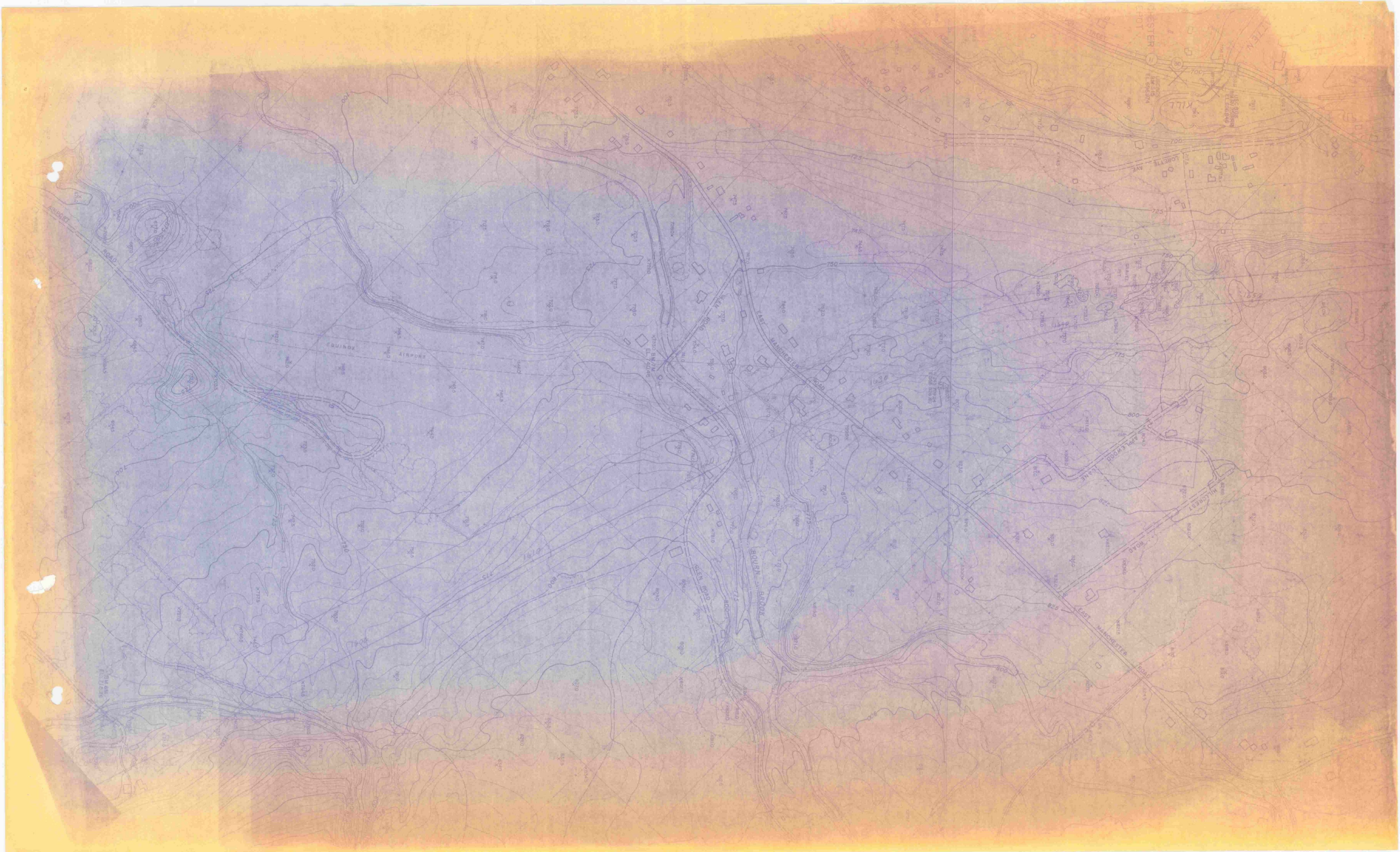


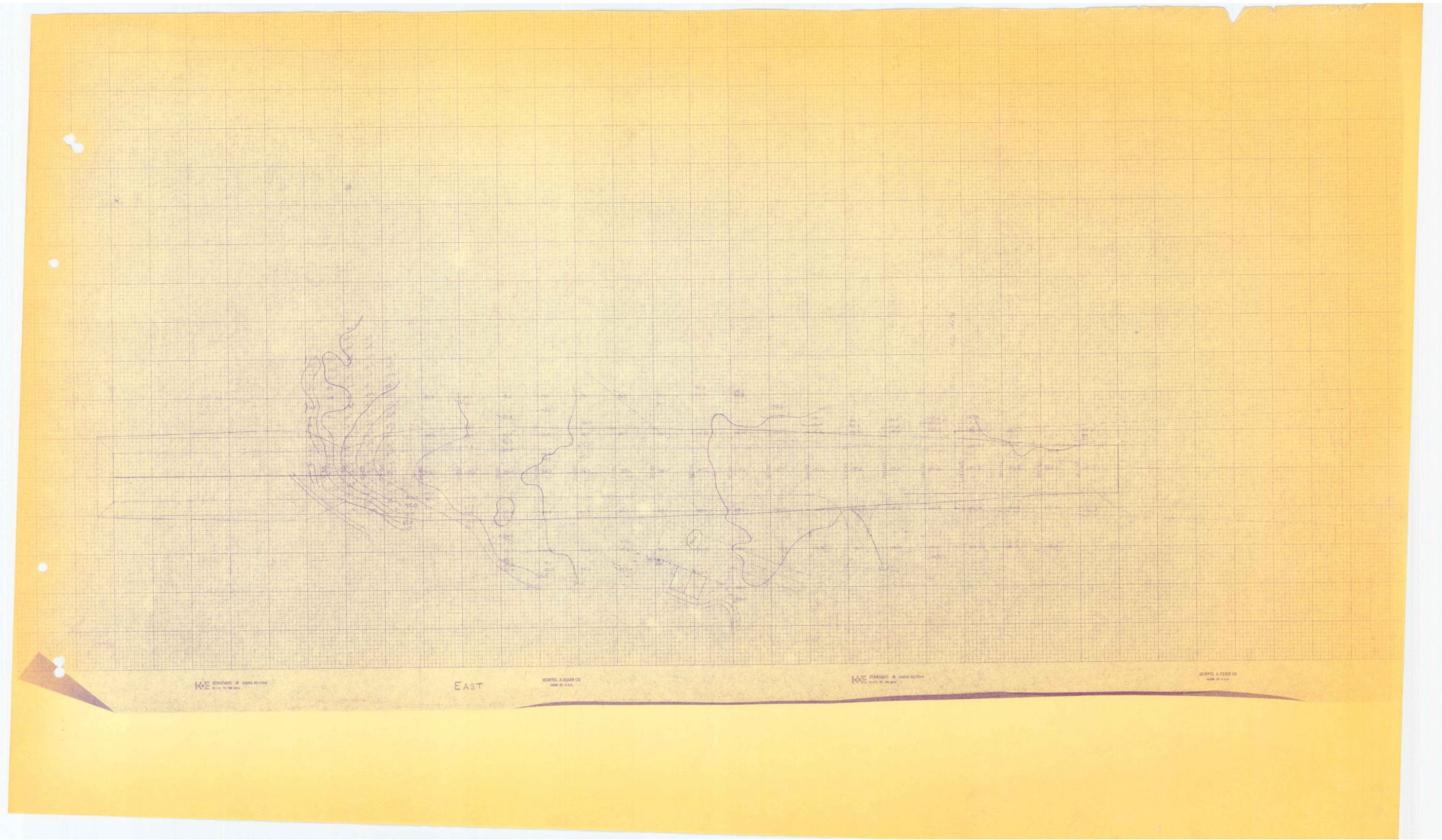
1030
Brook
1016
CENTRAL
1357
South Canaan Sch
BM
1021
Arlins
RIVER
1029
55
1300
1700
1400
1011
1200
2000
1500
Blue Bird

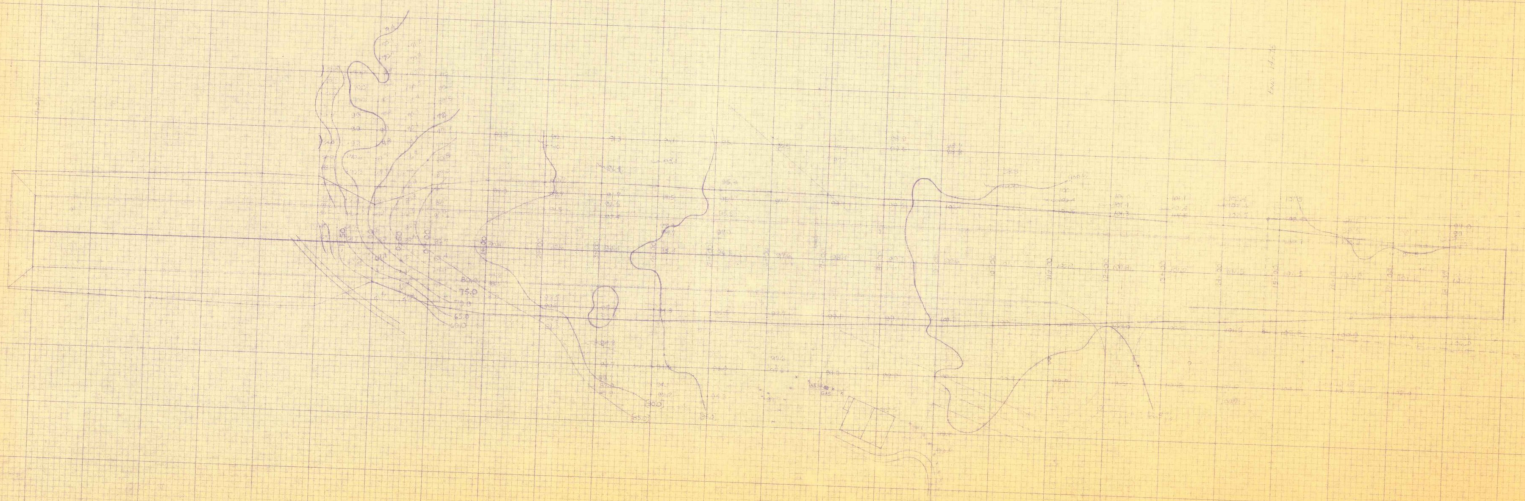
CANAAN

1" = 1000'
520.6%



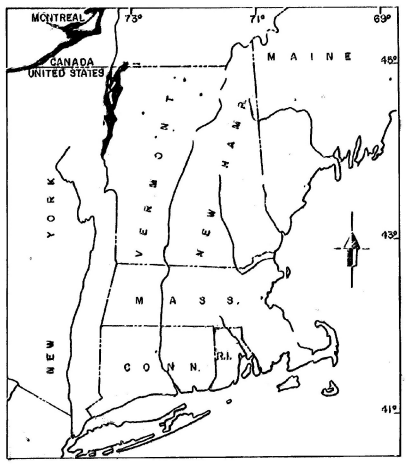

EAST MANCHESTER ROAD
GLEN ROAD
EQUINOX AIRPORT

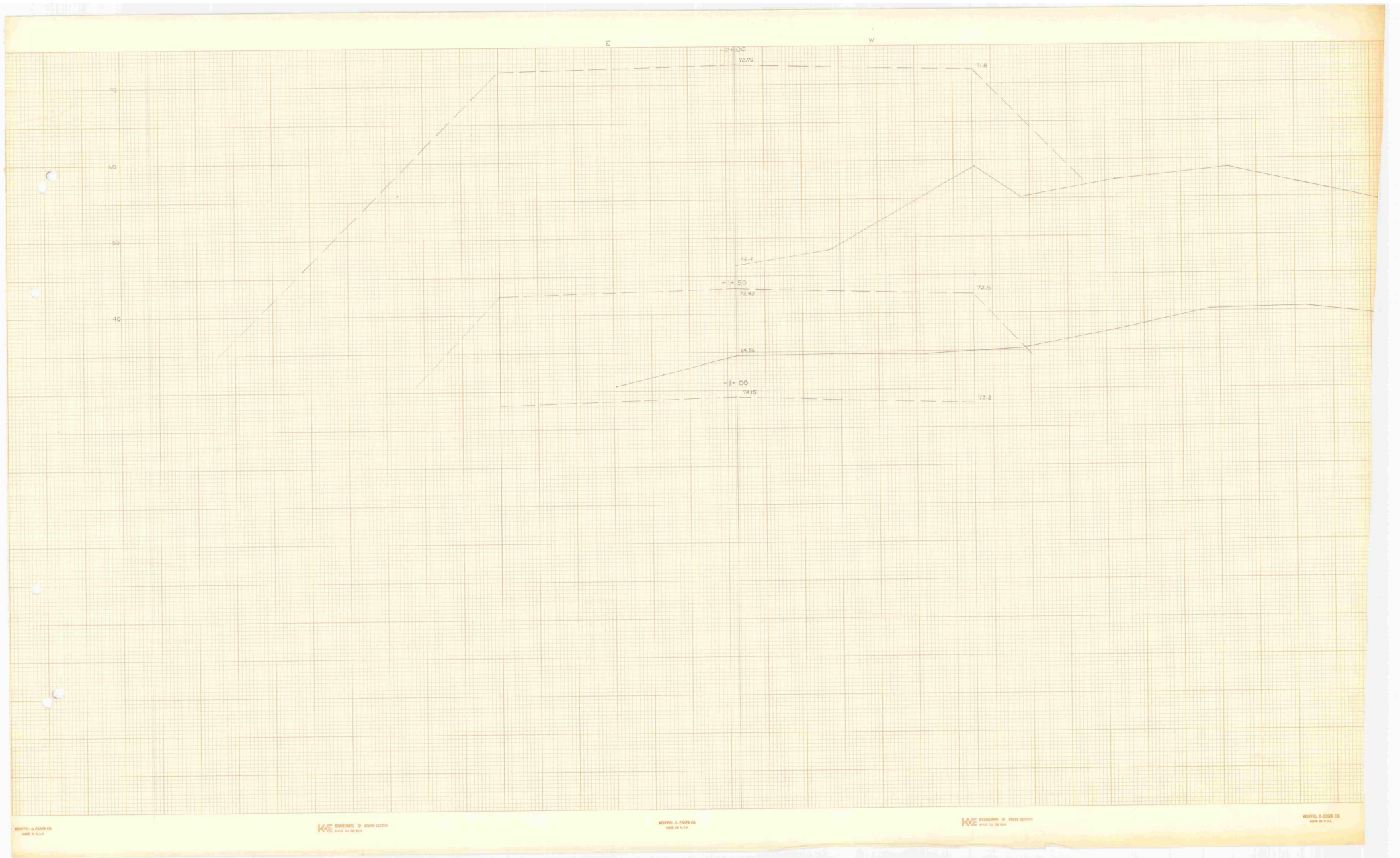

EAST



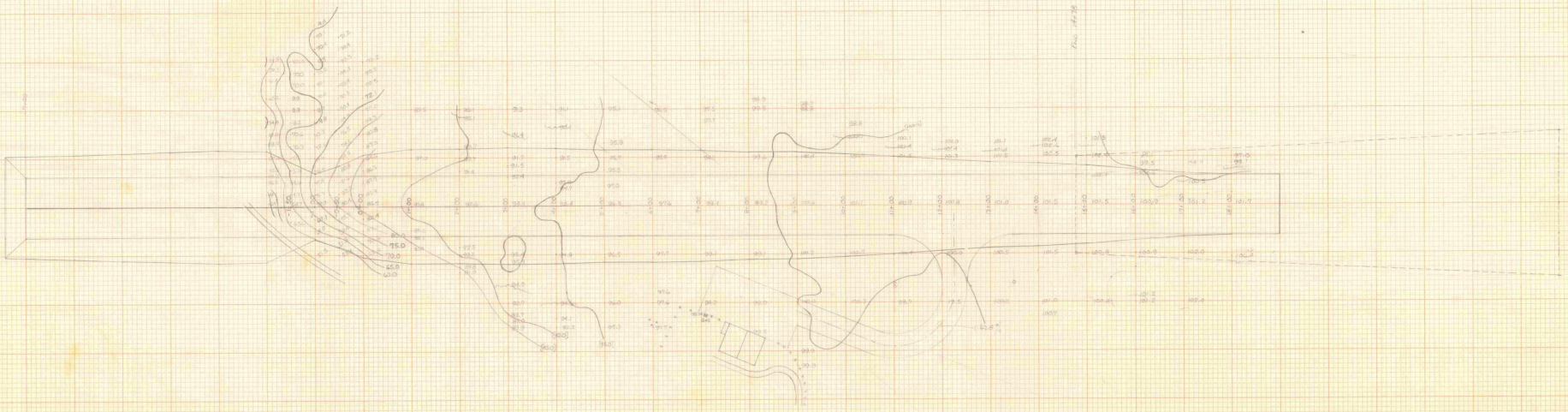
EAST

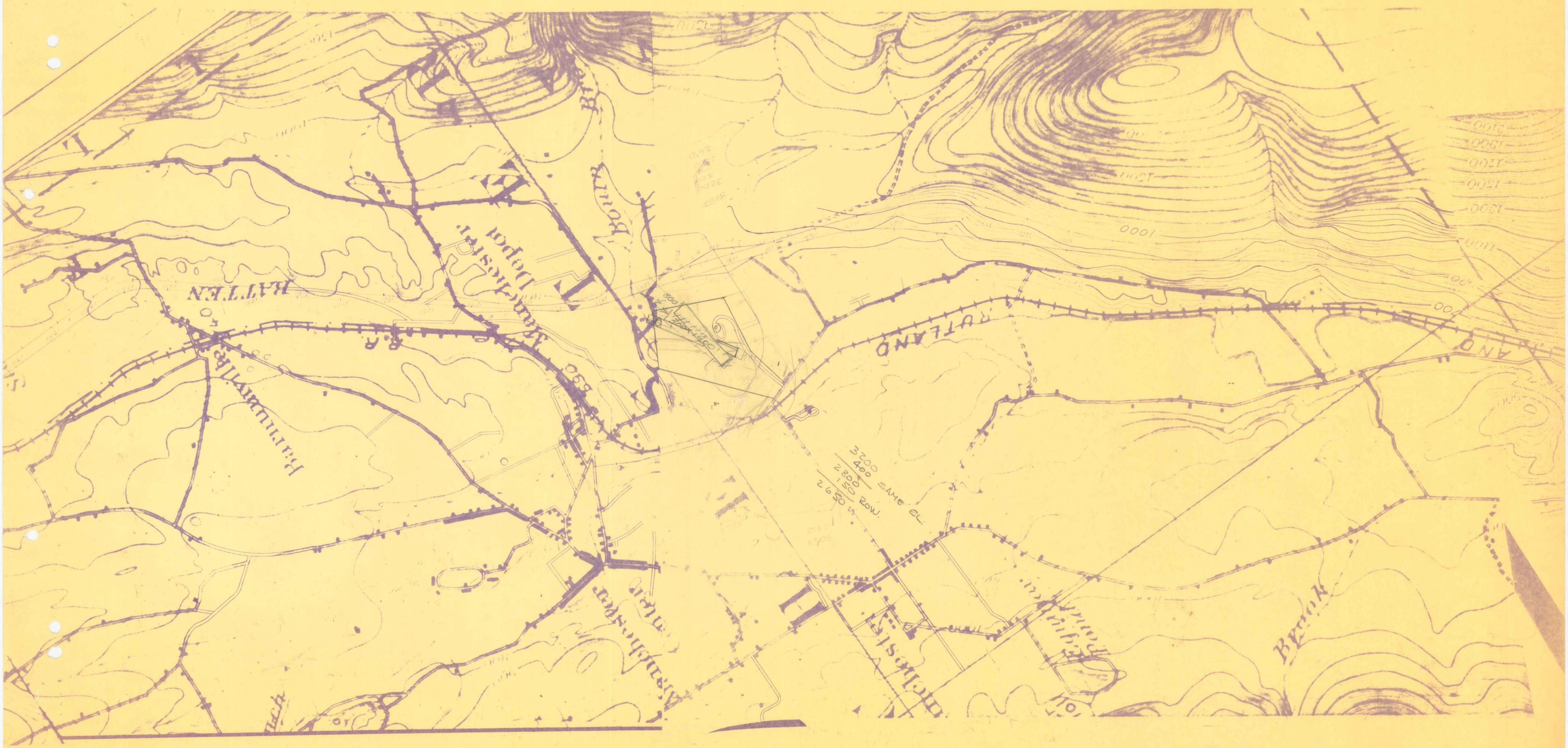
MANCHESTER AIRPORT *PLANS*

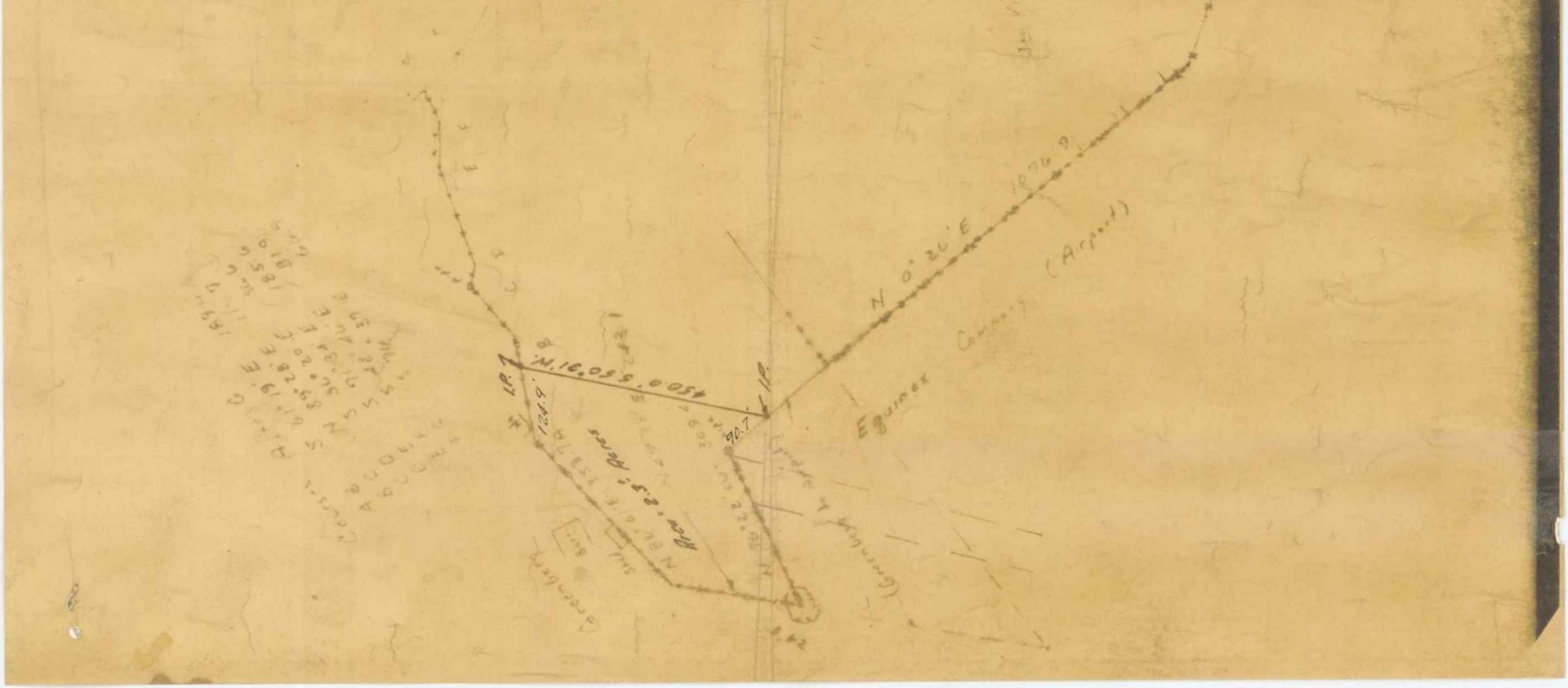



E
W
-2+00
72.70
71.8
70
60
50
66.4
-1+50
73.43
72.5
40
64.54
-1+00
74.15
73.2

WEST



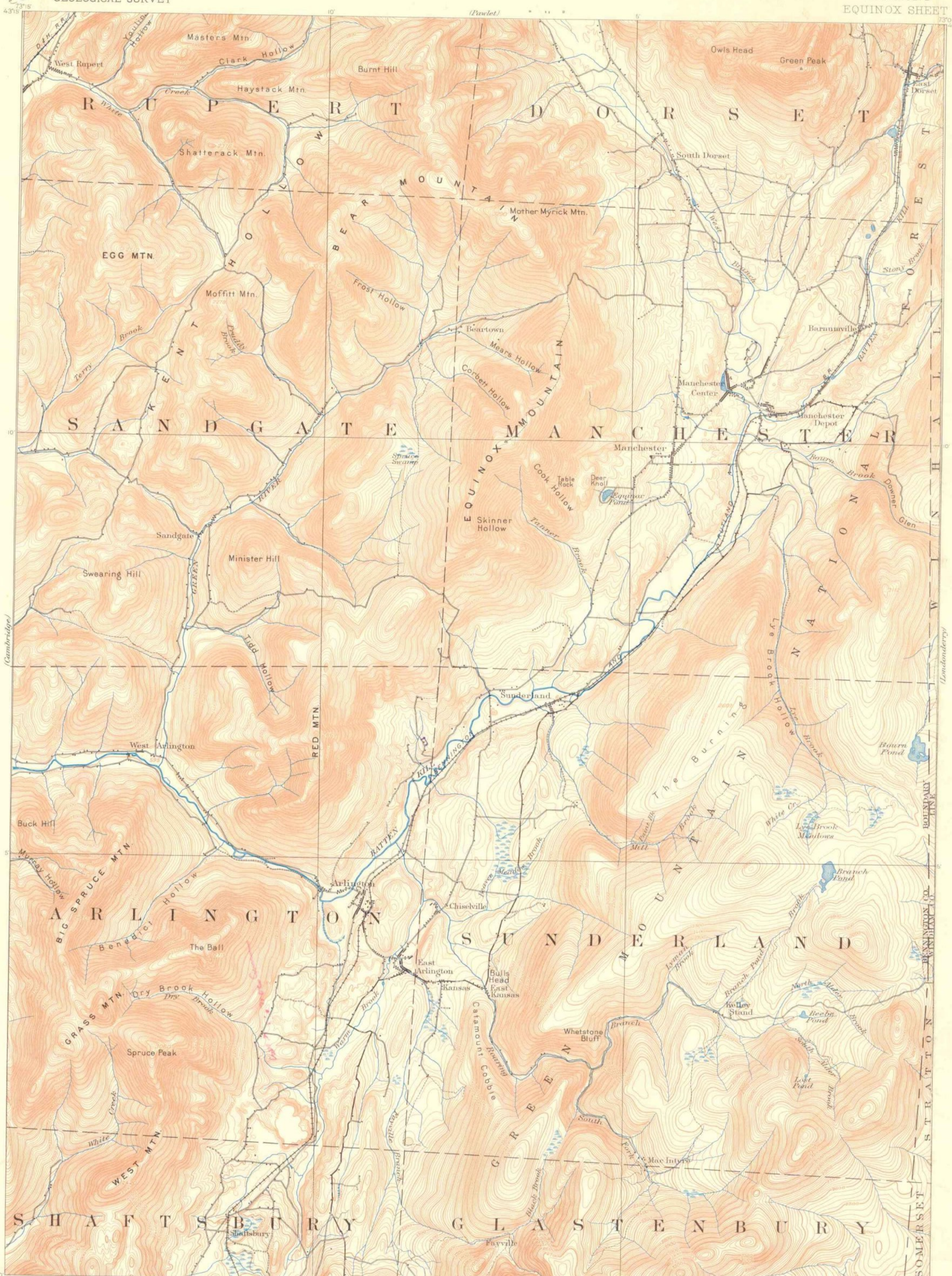

3200 SAME CL
400
2800
150 ROW
2650
Brook



I.P.
I.P.
90.7'
124.9'
Area 2.5 ± Acres
N 0° 20' E 1046.9
N 35° 33' W 805.7
Equinox Company (Airport)

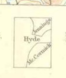
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

VERMONT
EQUINOX SHEET



(Pawlet)
(Wallingford)
(Cambridge)
(Londonderry)
(Bennington)
(Hoosick)
(Wilmington)
R U P E R T
D O R S E T
S A N D G A T E
M A N C H E S T E R
A R L I N G T O N
S U N D E R L A N D
S H A F T S B U R Y
G L A S T E N B U R Y
SOMERSET
Masters Mtn.
West Rupert
Clark Hollow
Burnt Hill
Haystack Mtn.
Owls Head
Green Peak
East Dorset
South Dorset
Shatterack Mtn.
BEAR MOUNTAIN
Mother Myrick Mtn.
EGG MTN
KENT HOLLOW
Moffitt Mtn.
Frost Hollow
Beartown
Mears Hollow
Corbett Hollow
EQUINOX MOUNTAIN
Barnumville
Manchester Center
Manchester Depot
Manchester
Table Rock
Dear Knoll
Equinox Pond
Cook Hollow
Skinner Hollow
Sandgate
Minister Hill
Swearing Hill
Tidd Hollow
Sunderland
West Arlington
RED MTN
Lye Brook Hollow
The Burning
Bourn Pond
Buck Hill
BIG SPRUCE MTN
Arlington
Chiselville
Benedict Hollow
The Ball
East Arlington
Kansas
Bulls Head
East Kansas
GRASS MTN
Dry Brook Hollow
Catamount Cobble
Whetstone Bluff
Kelley Stand
Branch Pond
Beebe Pond
Spruce Peak
Lost Pond
WEST MTN
Mac Intyre
Shaftsbury
Fayville

Henry Gannett, Chief Topographer
H.M. Wilson, Chief Geographer in charge.
Triangulation by U.S. Coast and Geodetic Survey and G.T. Hawkins.
Topography by J.H. Jennings, G.E. Hyde and Jas. Mc.Cormick
Surveyed in 1894.



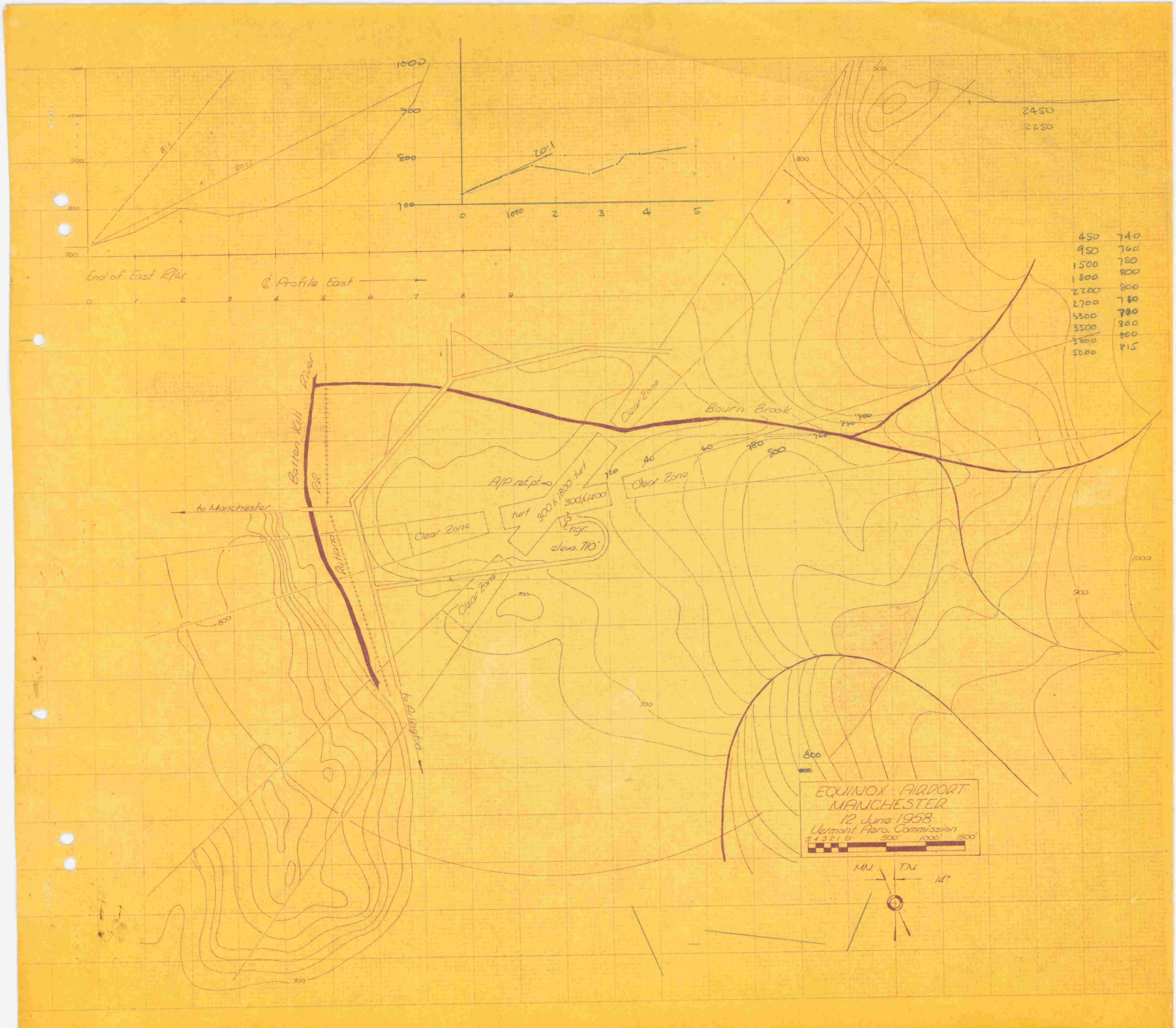
SCALE 1:62500

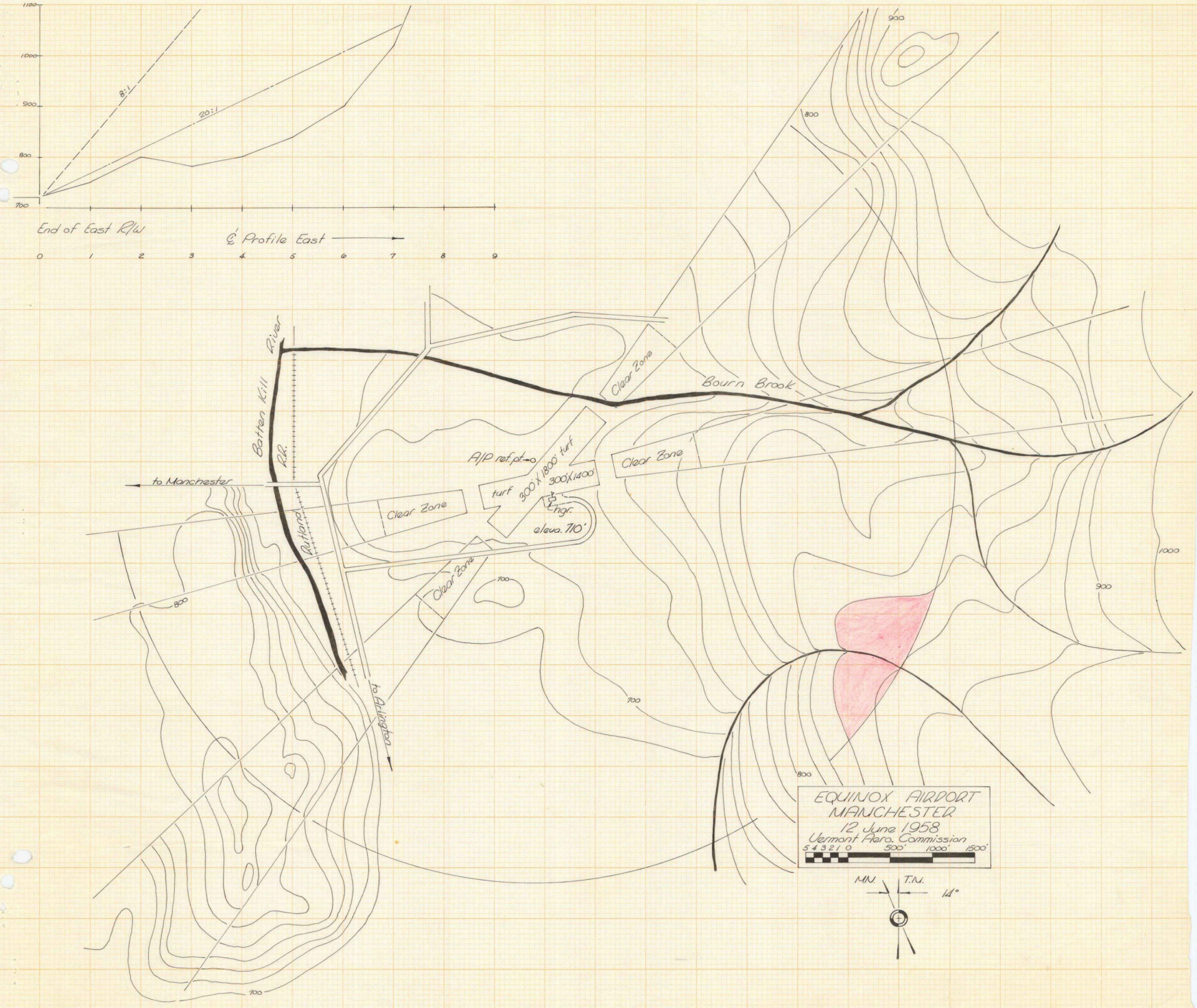
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

Edition of Nov. 1900, reprinted 1946
Polyconic projection
Surveyed by reconnaissance methods

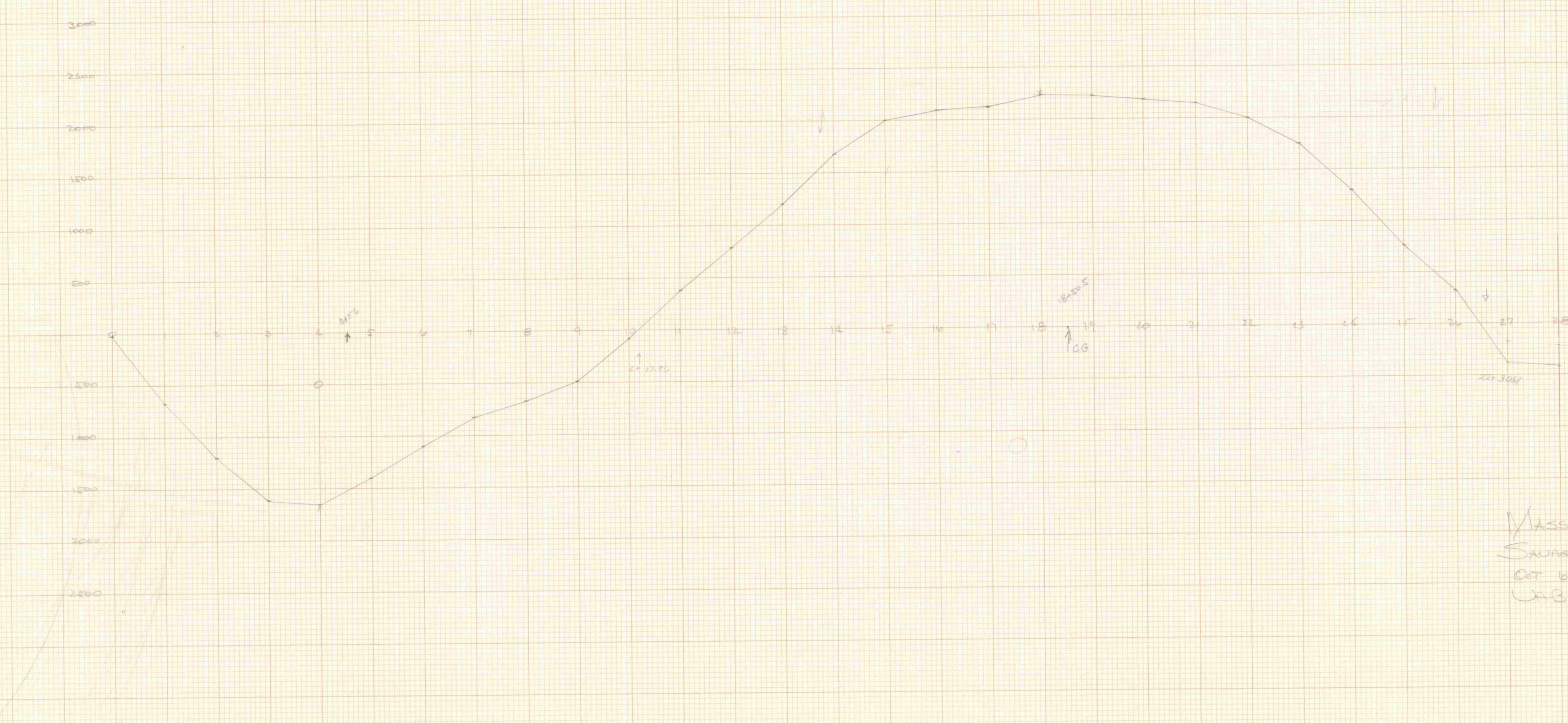
VT.
EQUINOX

N4300-W7300/15

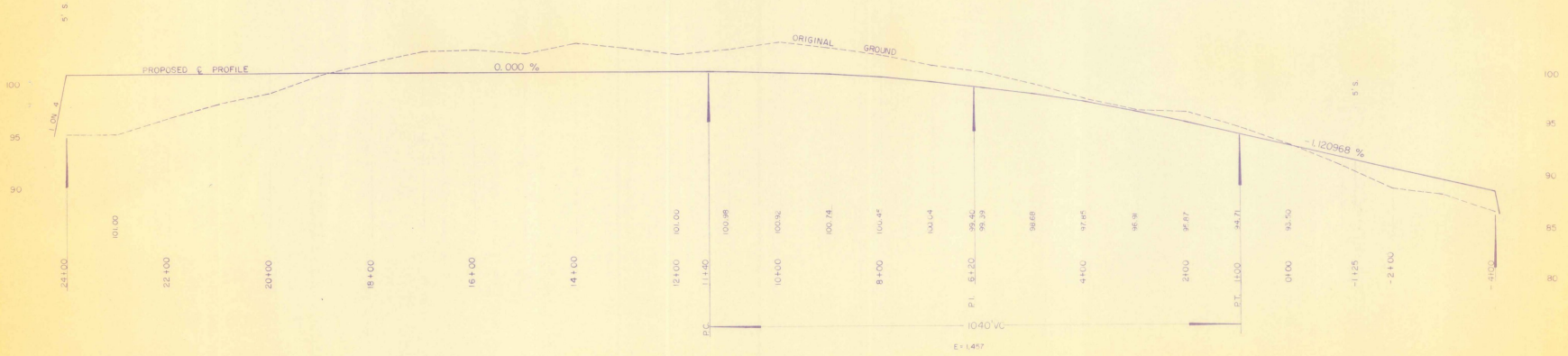

EQUINOX AIRPORT
MANCHESTER
12 June 1958
Vermont Aero. Commission
5 4 3 2 1 0 500 1000' 1500'
MN.
T.N.
14°
End of East R/W
℄ Profile East
20:1
8:1
2450
2250
450 740
950 760
1500 780
1800 800
2200 800
2700 780
3300 780
3500 800
3800 800
5000 815
Batten Kill River
R.R.
Rutland
to Manchester
to Arlington
Bourn Brook
Clear Zone
Clear Zone
Clear Zone
Clear Zone
A/P ref. pt.
turf 300 X 1800 turf
300 X 1400
hgr.
eleva. 710'


1100
1000
900
800
700
8:1
20:1
End of East R/W
℄ Profile East
0 1 2 3 4 5 6 7 8 9
900
800
Batten Kill River
R.R.
Clear Zone
Bourn Brook
A/P ref. pt.
turf
300'X1800' turf
300'X1400'
Engr.
elevo. 710'
Clear Zone
Clear Zone
to Manchester
Clear Zone
Airland
700
800
to Arlington
700
1000
900
800
EQUINOX AIRPORT
MANCHESTER
12 June 1958
Vermont Aero. Commission
5 4 3 2 1 0 500' 1000' 1500'
M.N.
T.N.
14°


8:1
20:1
End of East R/W
℄ Profile East
0 1 2 3 4 5 6 7 8 9
Batten Kill River
R.R.
Rutland
to Manchester
to Arlington
Bourn Brook
Clear Zone
Clear Zone
Clear Zone
Clear Zone
A/P ref. pt.
turf
300 X 1800 turf
300 X 1400
hgr.
elev. 710'
700
800
900
1000
EQUINOX AIRPORT
MANCHESTER
12 June 1958
Vermont Aero. Commission
5 4 3 2 1 0 500' 1000' 1500'
MN
T.N.
14°

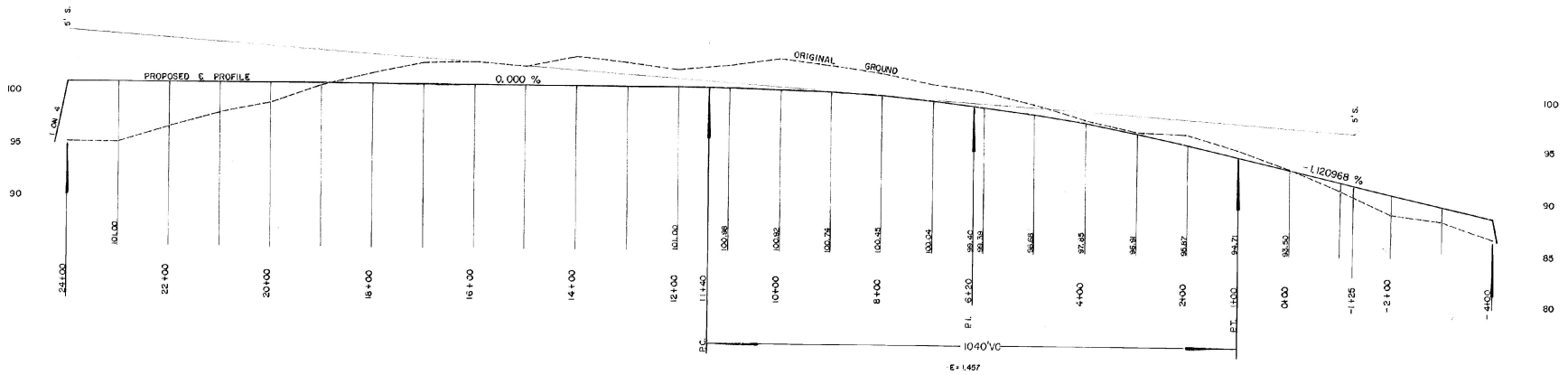


MASS DIAGRAM
SAVAGE ISLAND
OCT 64
UAB



SCALE: 1" = 100' HOR
1" = 5' VERT

SAVAGE ISLAND
THEODORE (OWNER) RIEHLE
VERMONT AERO BOARD
J. CUMMINGS, P.E. # 1564 10-64



SCALE: 1" = 100' HOR.
1" = 5' VERT.

SAVAGE ISLAND

THEODORE RIEHLE (OWNER)

VERMONT AERO. BOARD
O. CUMMINGS, RE # 1564 10-64

EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

STATION	TOTAL EXCAVATION EARTH AND ROCK AREA	CU YDS	EMBANKMENT AREA	EMBANKMENT CU YDS	BASE AREA
-2	AB		223		
			170	630	756
-1	0		118		
	27	100	85	315	378
0	54		52		
	59	219	39	144	173
1	63		26		
	65	241	13	48	58
2	67		0		
	76	281			
3	85				
	61	226			
4	38				
	103	381			
5	169				
	200	741			
6	231				
	228	844			
7	225				
	245	907			
8	265				
	282	1044			
9	298				
	289	1070			
10	279				
	274	1015			
11	267				
	246	911			
12	225				
	227	841			
13	230				
	252	933			
14	273				
	227	841			
15	182				
	195	722			
16	208			0	
	204	755			
17	199		0		
	164	607	2	7.4	9
18	129		3		
	65	241	33	122	146
19	0		63		
		0	187	693	832
20			212		
			280	1037	1244
21			348		
			453	1618	2014
22			558		
			552	2044	2453
23			547		
			562	2081	2497
24			577		
			289	257	308
+24			0		
					10868
		129200			
		5168			

STATION	ELEVATION ON TANGENT	ON V CURVES	CORR V C	CU YDS	EMBANKMENT AREA
+8	C AB	0 AB	C AB		
		146	43		
-4		292			-60
		220	815 ✓		
-3		147			-60
		185	685 ✓		
-2		222			-60
		170	630 ✓		
-1	0	118			-60
	27 100	85	315 ✓		
0	54	52			
	59 219	39	144 ✓		
1	63	26			
	43 167	28	104 ✓		
2	30	30			
	27 107	15	56 ✓		
3	27	0			
	13 48	25	63 ✓		
4	0	49		+60	-60
	15 50	41	152 ✓		
5	33	33		+60	
	58 215	16	59		
6	83	0		+60	
	79 293		0		
7	74	0		+60	
	78 289				
8	81	0		+60	
	333				
9	100				
	333			+60	
10	90	0			
	50 185	5	18 ✓	+60	
11	10	10			
	5 18	29	107 ✓		
12	0 +60	48		+60	
		44	16 ✓		
13		40			
		26	96 ✓		
14		11			
		52	193 ✓		
15		93		-60	
		74	274 ✓		
16		60		-60	
		61	226 ✓		
17		62		-60	
		31	9		
+8		0			
			0		

Σ = 2356
2776
2775

Σ =
4026
3600
3426

75
600
525

3306
4026
2800

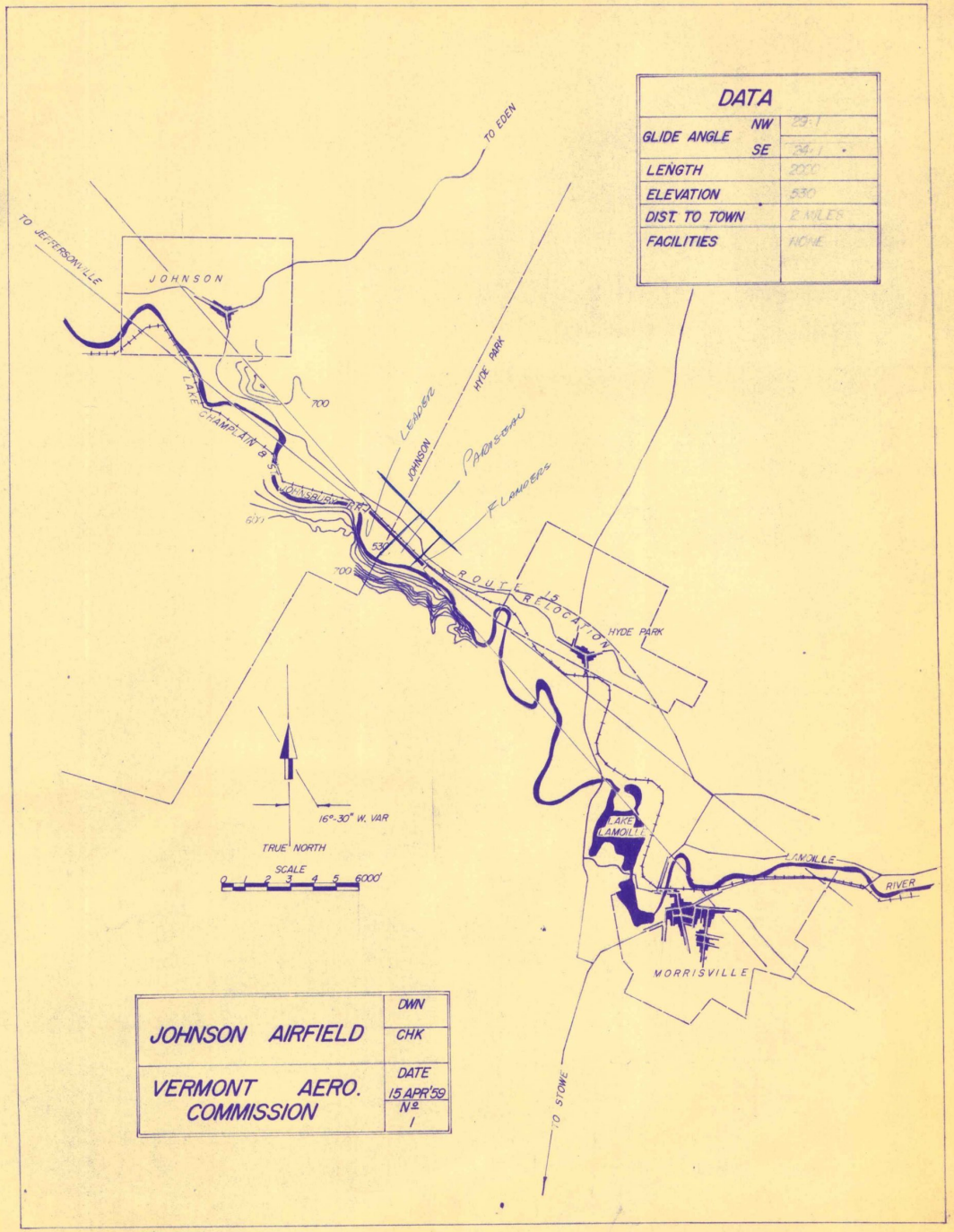
3200 yds

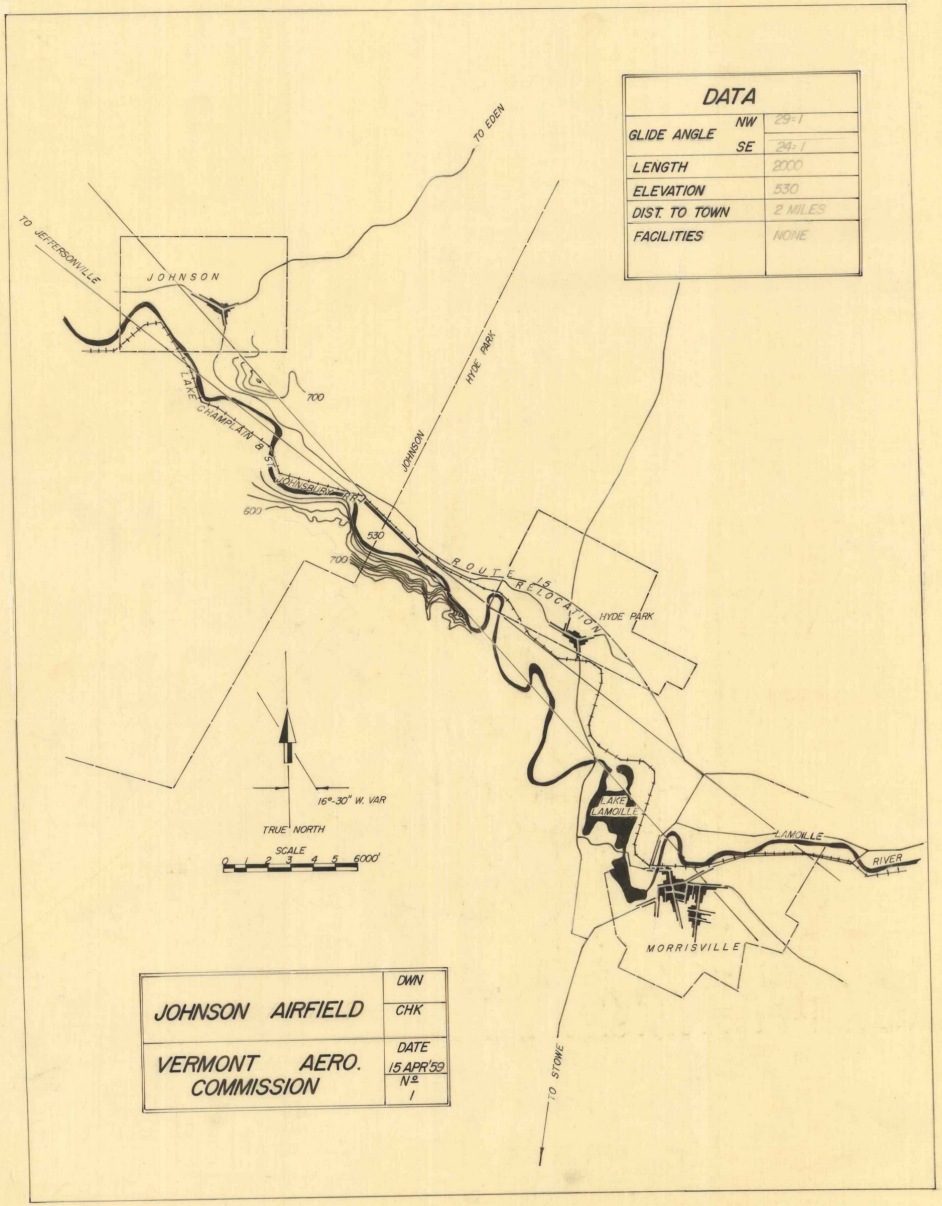
drop 6"

30
60
75
100
75

CARRIED FORWARD

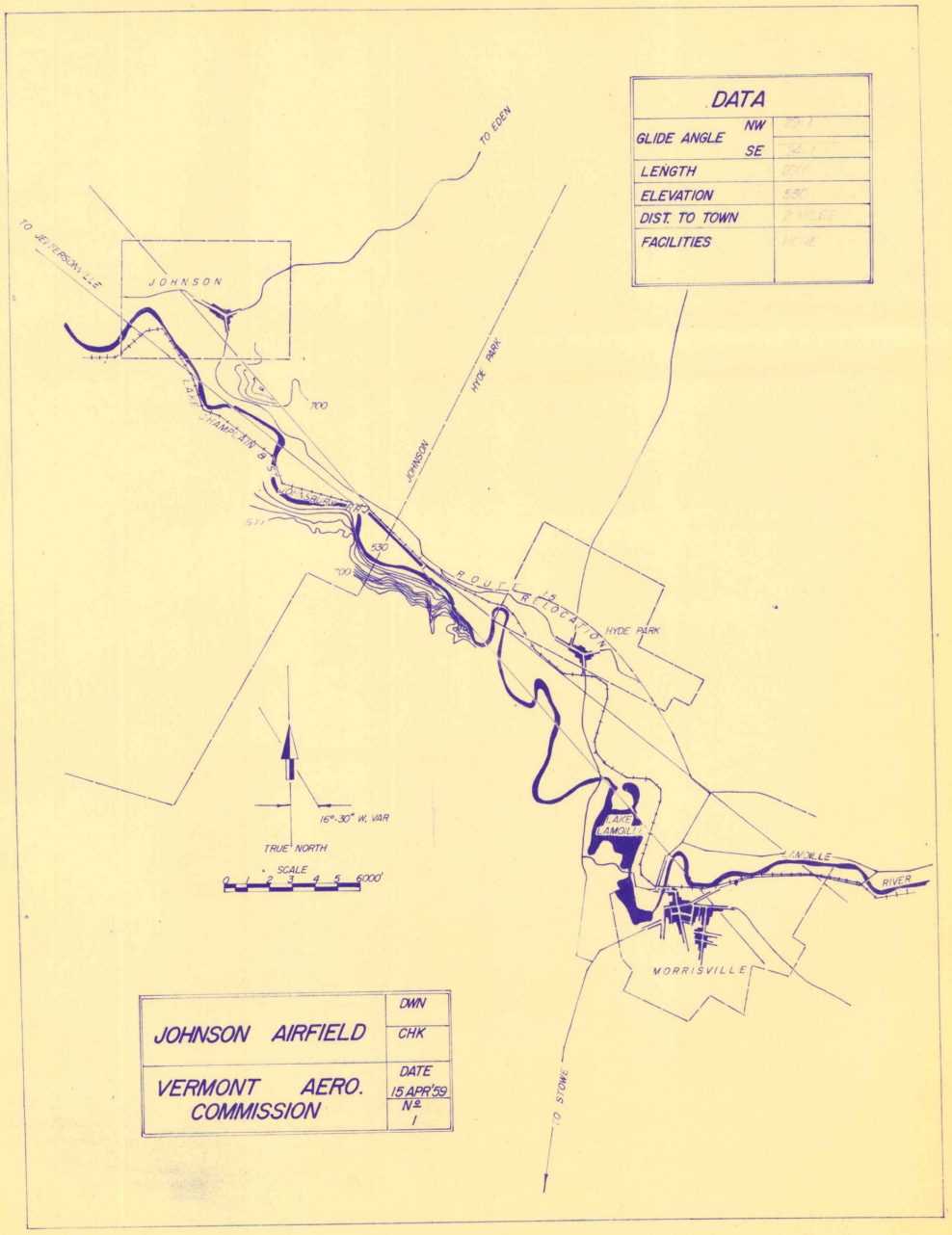
PROJECT Savage Island

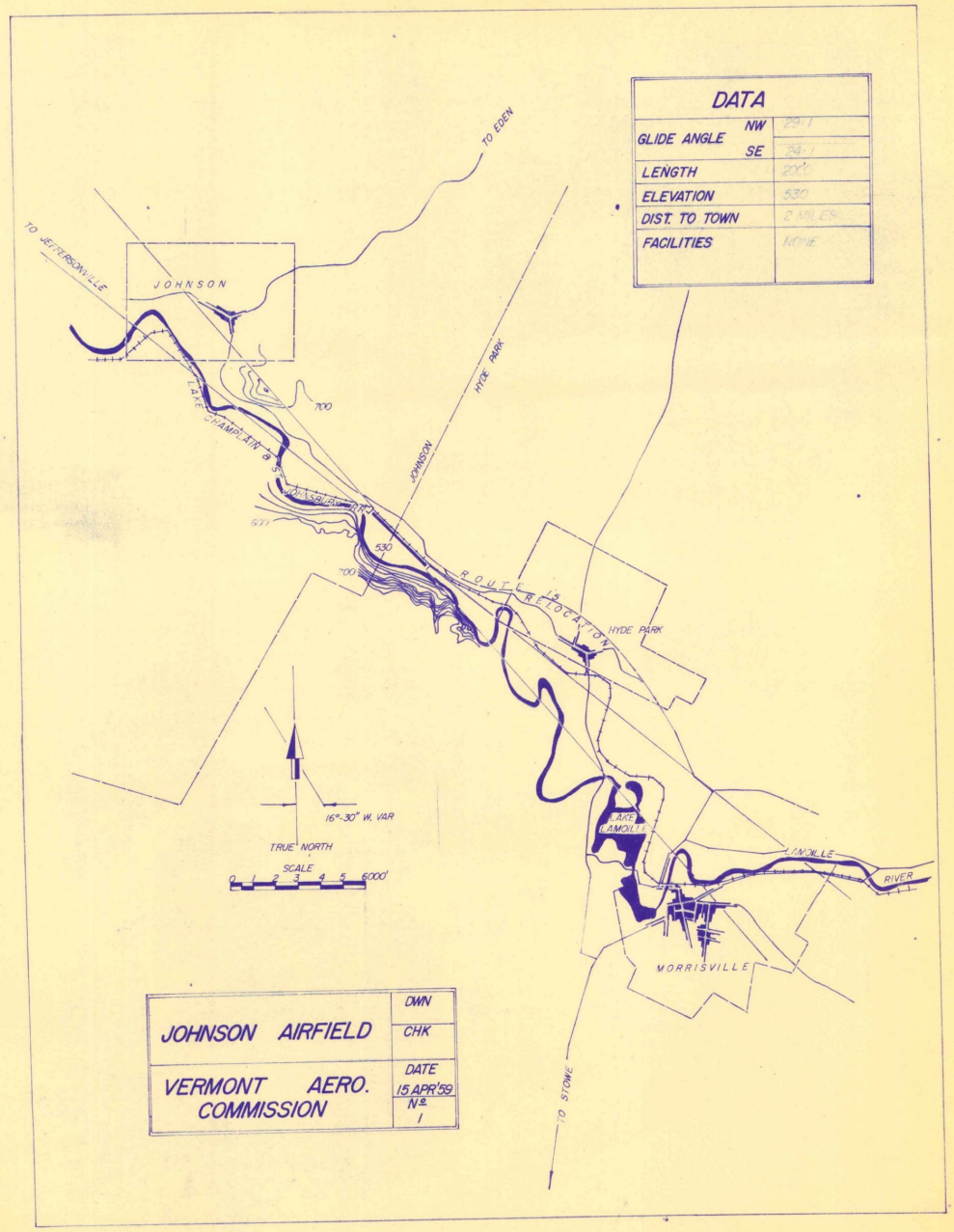

DATA
GLIDE ANGLE NW 29:1
SE 34:1
LENGTH 2000
ELEVATION 530
DIST. TO TOWN 2 MILES
FACILITIES NONE
TO EDEN
TO JEFFERSONVILLE
JOHNSON
LAKE CHAMPLAIN
700
LEMOISE
JOHNSON
HYDE PARK
PARISEAU
FLANDERS
ROUTE 15 RELOCATION
HYDE PARK
16°-30' W. VAR
TRUE NORTH
SCALE 0 1 2 3 4 5 6000'
LAKE LAMOILLE
LAMOILLE RIVER
MORRISVILLE
TO STOWE
JOHNSON AIRFIELD
VERMONT AERO. COMMISSION
DWN
CHK
DATE 15 APR'59
No. 1

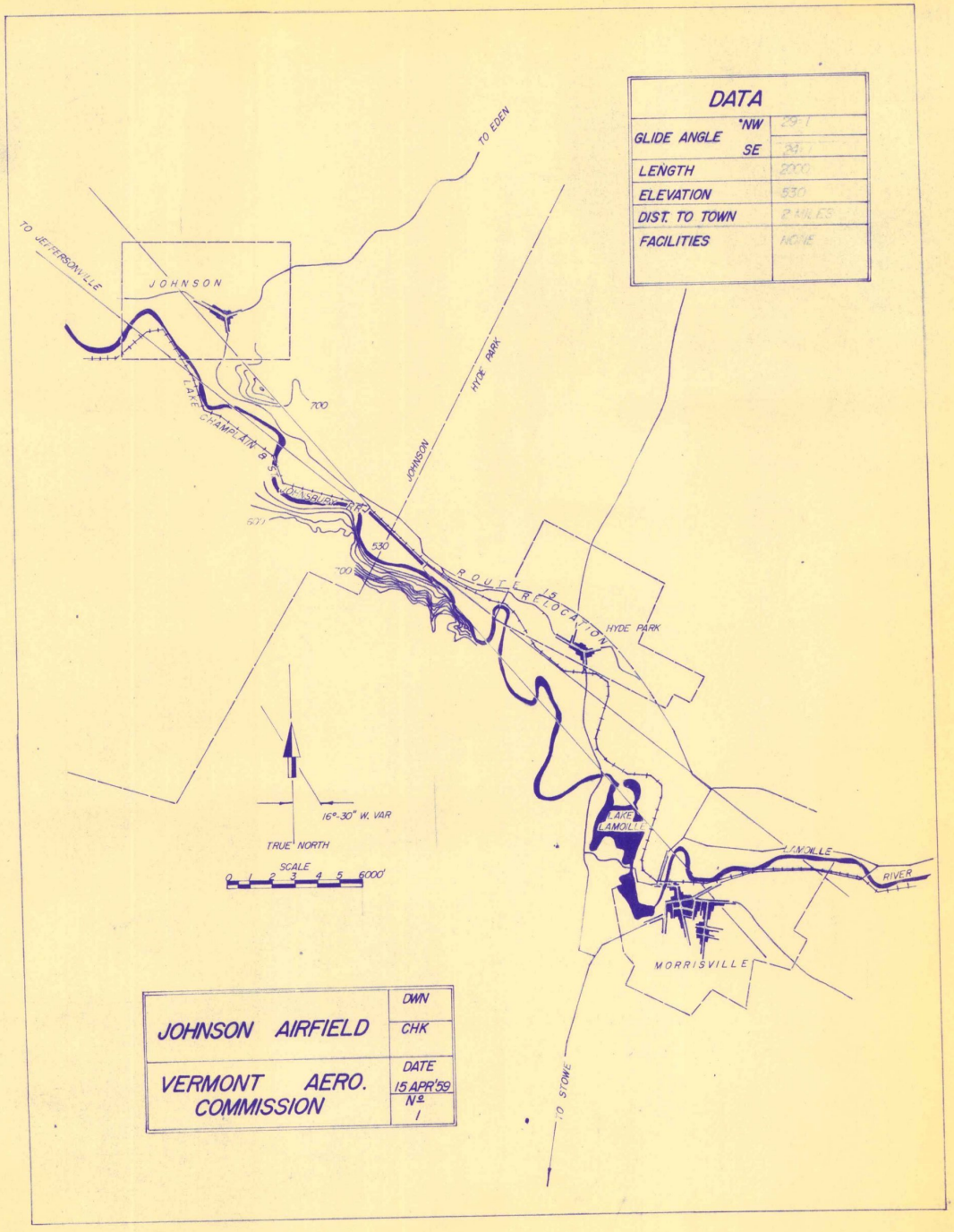


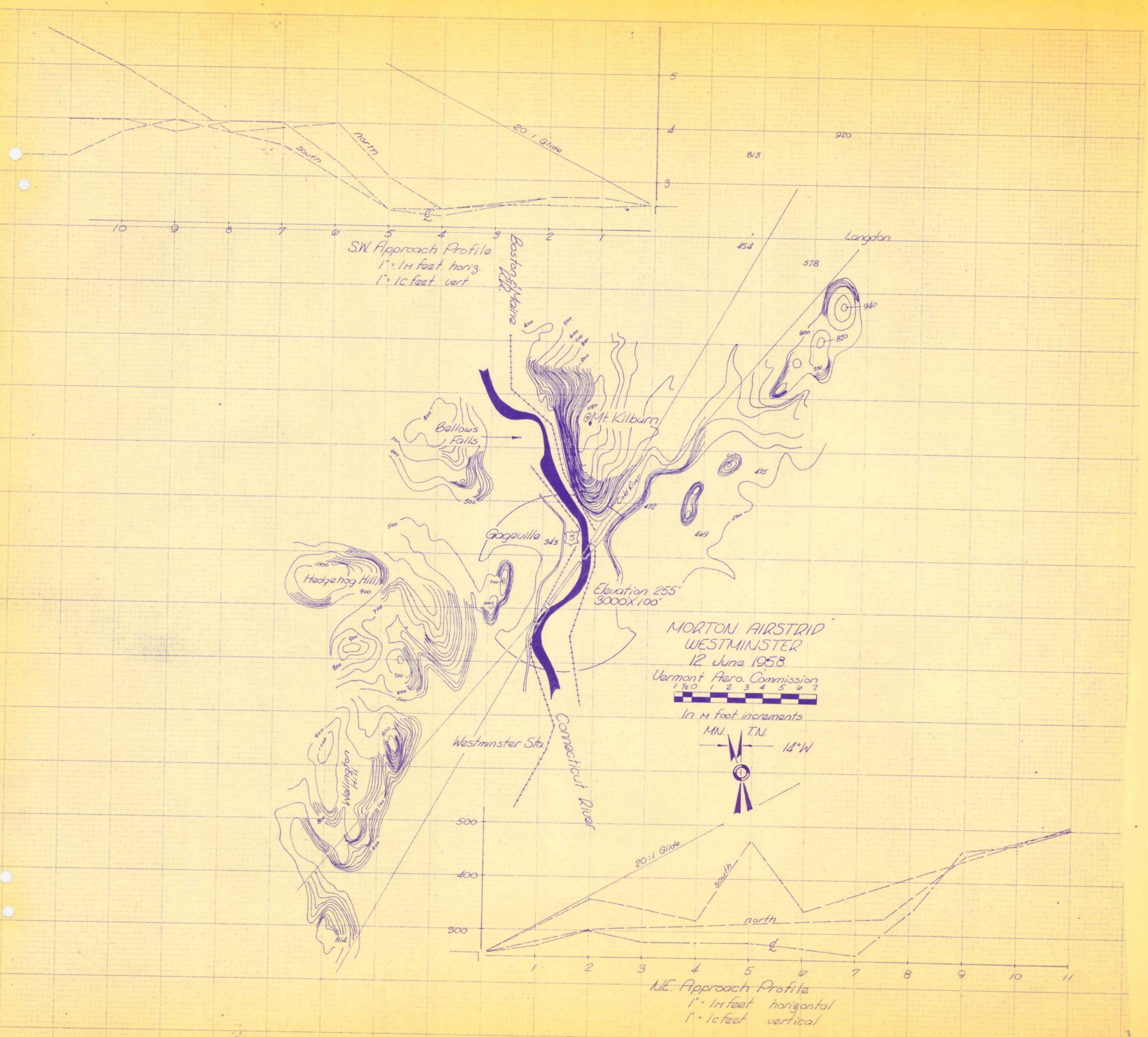
DATA		
GLIDE ANGLE	NW	29:1
	SE	24:1
LENGTH		2000
ELEVATION		530
DIST. TO TOWN		2 MILES
FACILITIES		NONE

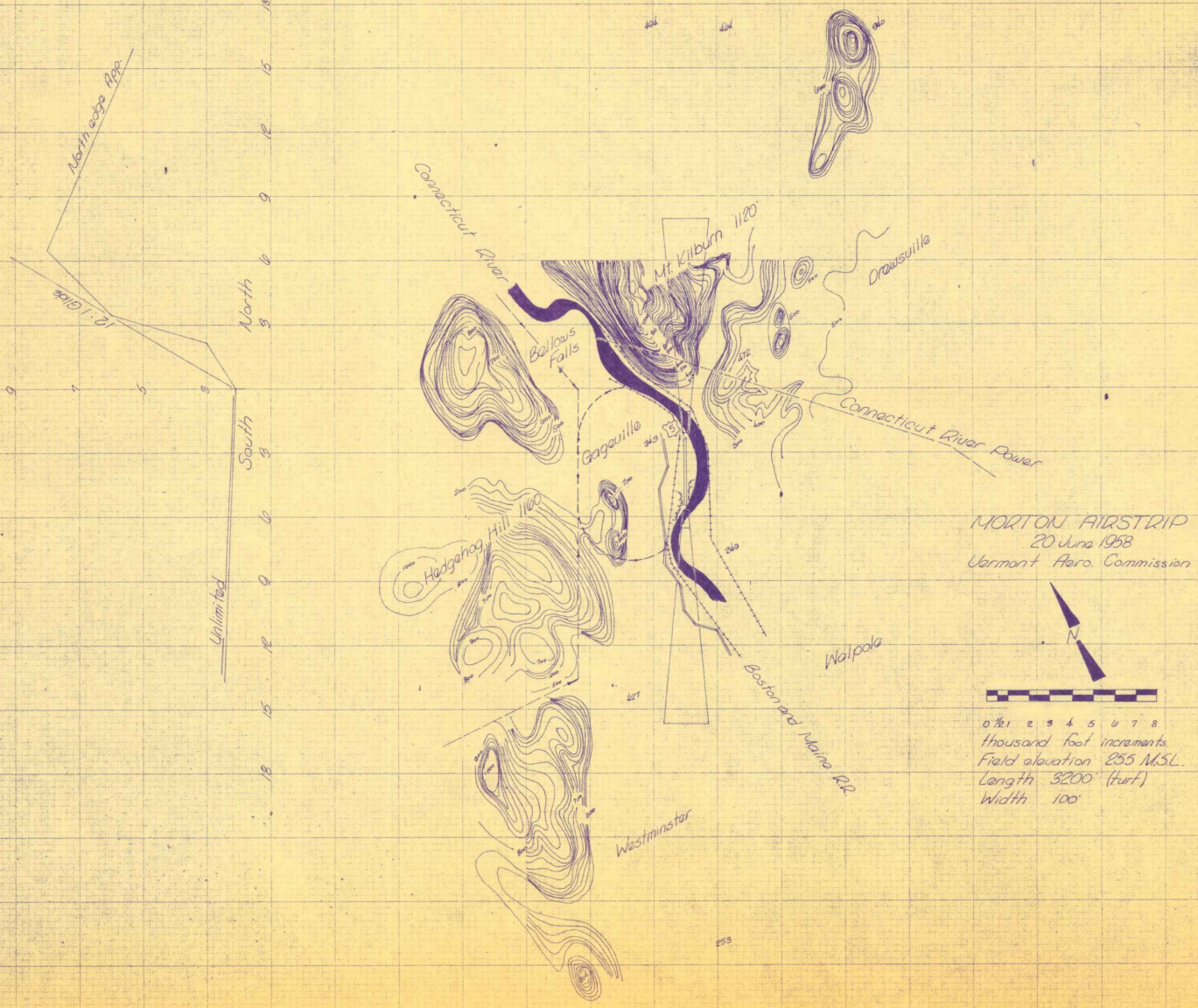
JOHNSON AIRFIELD	DWN
	CHK
VERMONT AERO. COMMISSION	DATE 15 APR'59
	No. 1

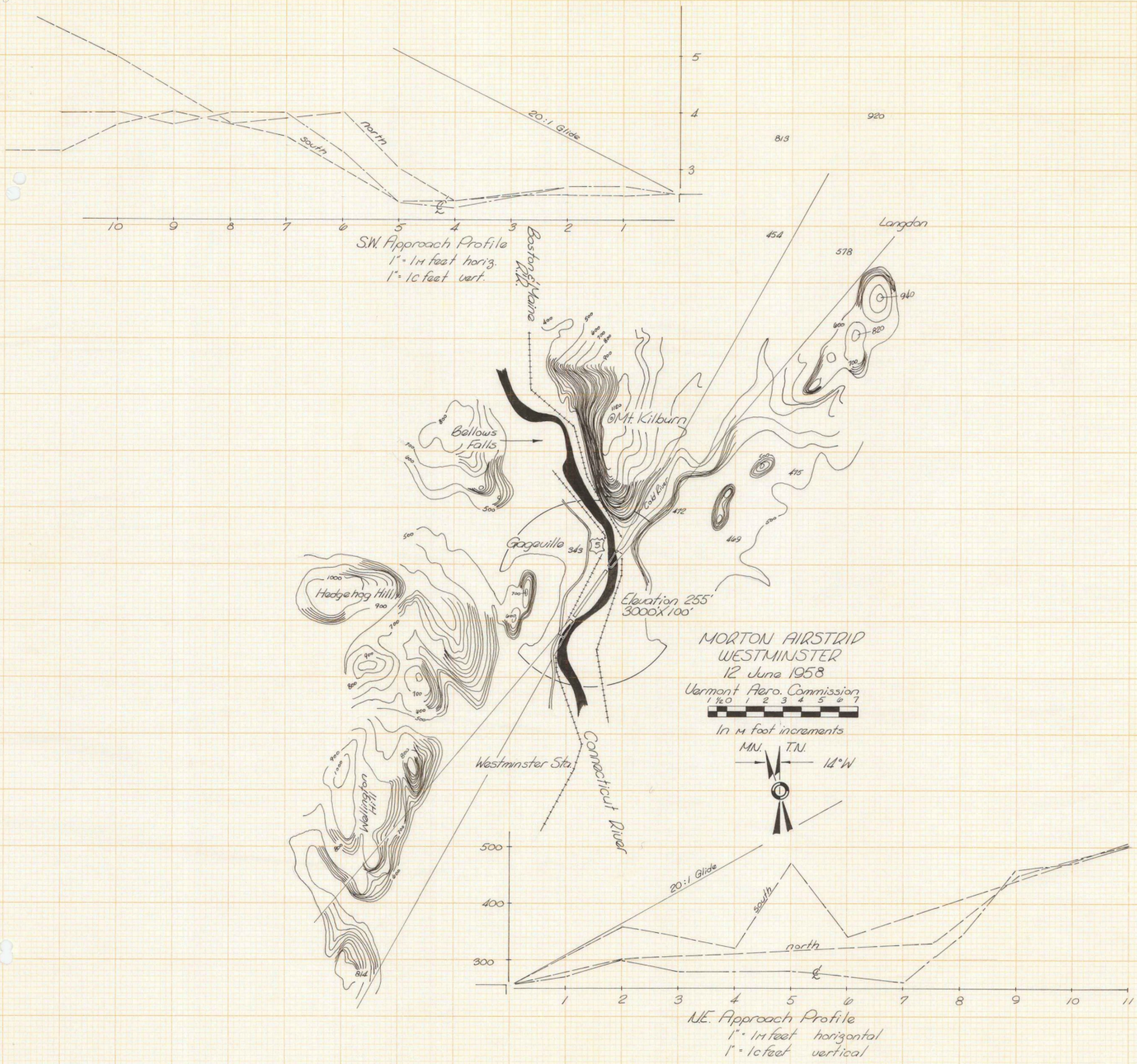

DATA
GLIDE ANGLE NW
SE
LENGTH
ELEVATION
DIST. TO TOWN
FACILITIES
TO EDEN
TO JEFFERSONVILLE
JOHNSON
HYDE PARK
JOHNSON
700
530
ROUTE 15 RELOCATION
HYDE PARK
16°-30" W. VAR
TRUE NORTH
SCALE
0 1 2 3 4 5 6000'
LAKE LAMOILLE
MORRISVILLE
RIVER
TO STOWE
JOHNSON AIRFIELD
VERMONT AERO. COMMISSION
DWN
CHK
DATE
15 APR '59
№
1


DATA
GLIDE ANGLE NW 29:1
SE 29:1
LENGTH 20'
ELEVATION 530
DIST. TO TOWN 2 MILES
FACILITIES NONE
TO EDEN
TO JEFFERSONVILLE
JOHNSON
LAKE CHAMPLAIN
700
JOHNSON
HYDE PARK
530
700
ROUTE 15 RELOCATION
HYDE PARK
16°-30° W. VAR
TRUE NORTH
SCALE
0 1 2 3 4 5 6000'
LAKE LAMOILLE
LAMOILLE RIVER
MORRISVILLE
TO STOWE
JOHNSON AIRFIELD
VERMONT AERO. COMMISSION
DWN
CHK
DATE
15 APR'59
No.
1

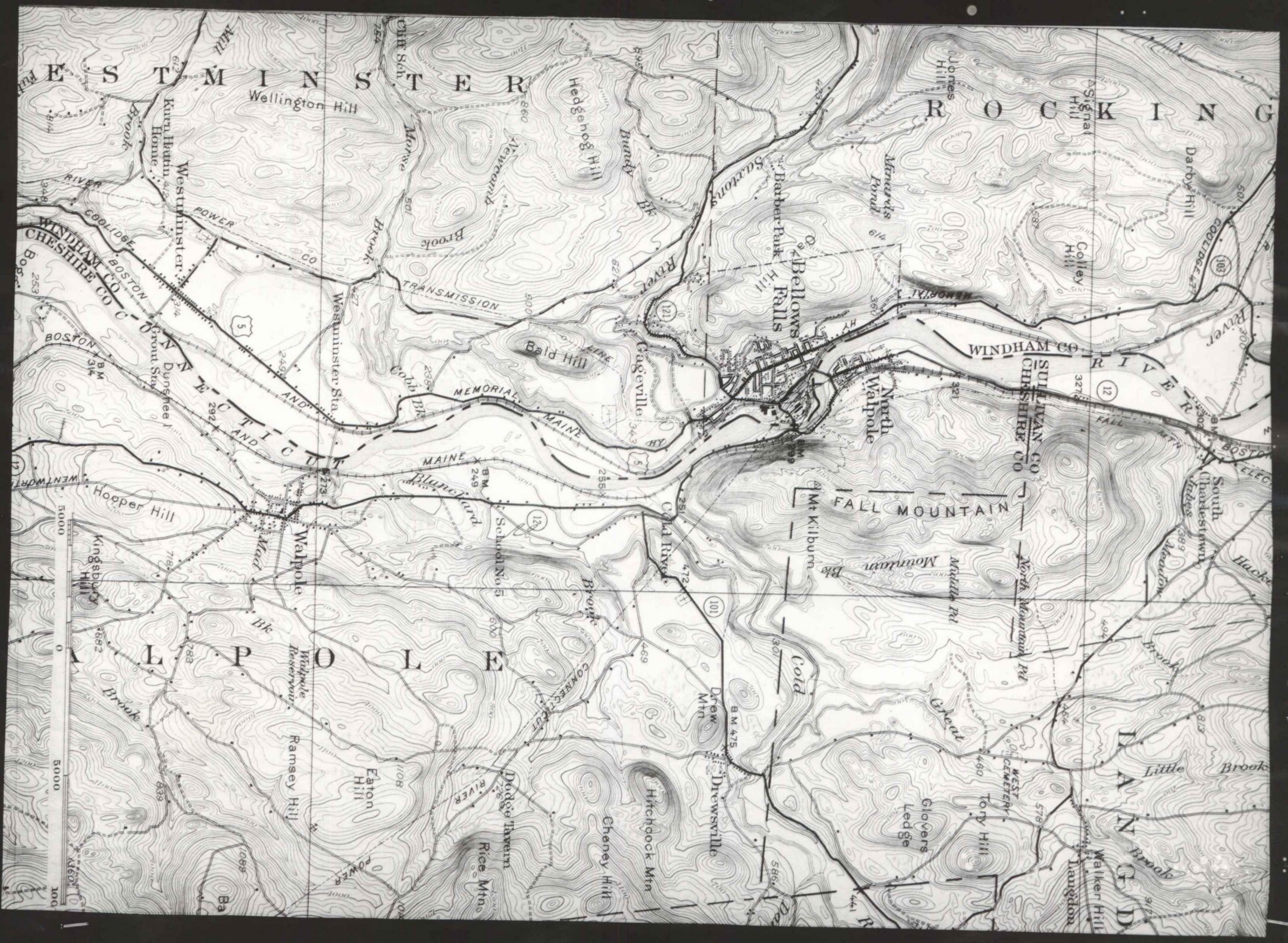

DATA
GLIDE ANGLE NW 29:1
SE 33:1
LENGTH 2000
ELEVATION 530
DIST. TO TOWN 2 MILES
FACILITIES NONE
TO EDEN
TO JEFFERSONVILLE
JOHNSON
LAKE CHAMPLAIN
JOHNSON
HYDE PARK
700
530
ROUTE 15 RELOCATION
HYDE PARK
16°-30" W. VAR
TRUE NORTH
SCALE
0 1 2 3 4 5 6000'
LAKE LAMOILLE
LAMOILLE RIVER
MORRISVILLE
TO STOWE
JOHNSON AIRFIELD
VERMONT AERO. COMMISSION
DWN
CHK
DATE
15 APR'59
No
1


SW Approach Profile
1" = 1M feet horiz.
1" = 1c feet vert
20:1 Glide
north
south
Boston & Maine R.R.
Langdon
Mt Kilburn
Bellows Falls
Gageville
Hedgehog Hill
Elevation 255'
3000 X 100'
Westminster Sta.
Connecticut River
MORTON AIRSTRIP
WESTMINSTER
12 June 1958
Vermont Aero. Commission
In M foot increments
M.N.
T.N.
14°W
NE Approach Profile
1" = 1M feet horizontal
1" = 1c feet vertical


North edge App.
12:1 Glide
North
South
Unlimited
Connecticut River
Mt. Kilburn 1120'
Drawsville
Bellows Falls
Gageville
Connecticut River Power
Hedgehog Hill 1160
Walpole
Boston and Maine R.R.
Westminster
MORTON AIRSTRIP
20 June 1958
Vermont Aero. Commission
N
0 1 2 3 4 5 6 7 8
thousand foot increments
Field elevation 255 M.S.L.
Length 3200' (turf)
Width 100'


20:1 Glide
north
south
10 9 8 7 6 5 4 3 2 1
S.W. Approach Profile
1" = 1M feet horiz.
1" = 1C feet vert.
Boston & Maine R.R.
Langdon
Mt. Kilburn
Bellows Falls
Gageville
Hedgehog Hill
Elevation 255'
3000'X100'
MORTON AIRSTRIP
WESTMINSTER
12 June 1958
Vermont Aero. Commission
In M foot increments
M.N.
T.N.
14°W
Westminster Sta.
Connecticut River
Wellington Hill
500
400
300
1 2 3 4 5 6 7 8 9 10 11
N.E. Approach Profile
1" = 1M feet horizontal
1" = 1C feet vertical

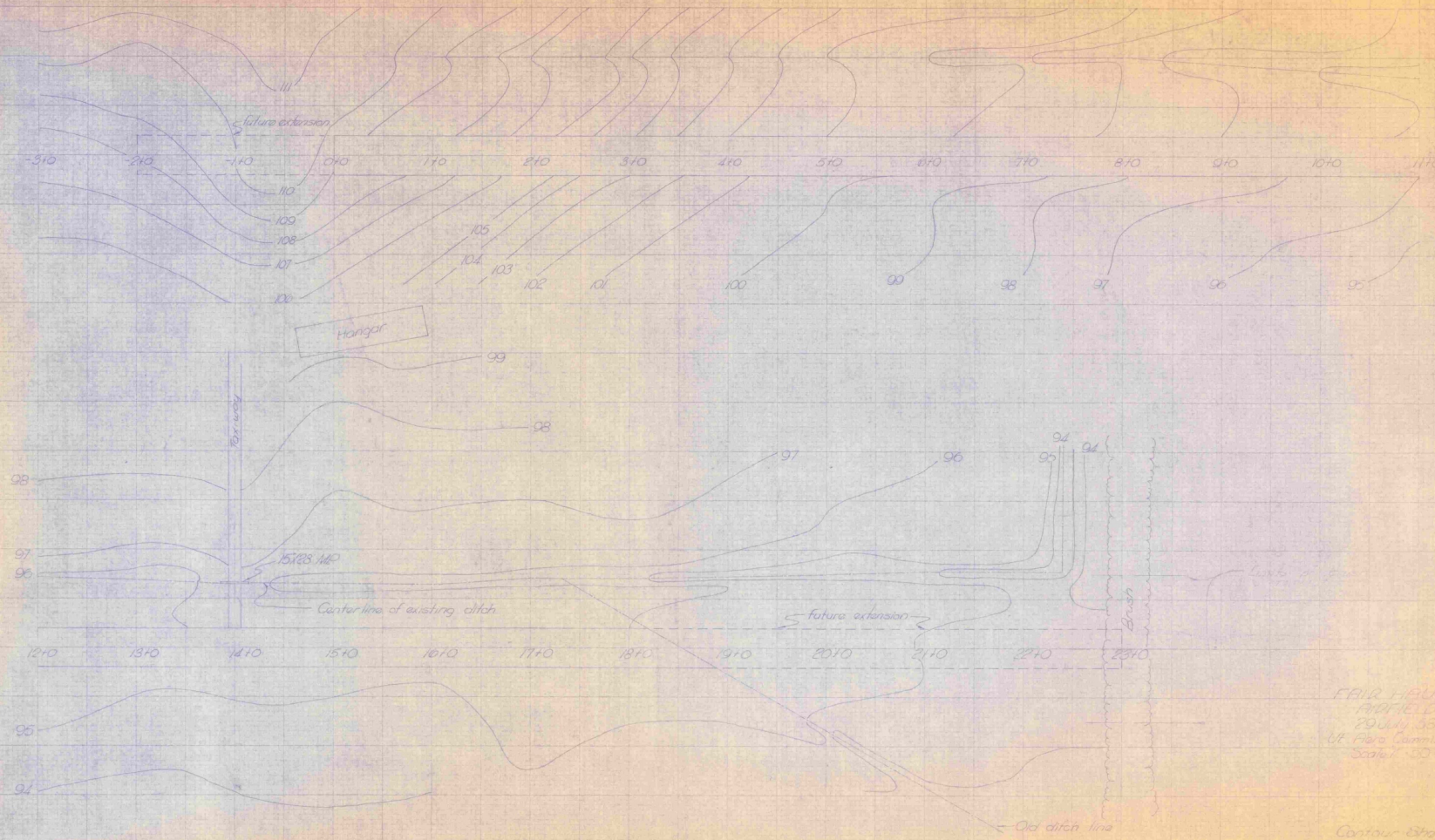

North edge App.
12:1 Glide
North
South
Unlimited
Connecticut River
Bellows Falls
Mt. Kilburn 1120'
Drewsville
Connecticut River Power
Gageville
Hedgehog Hill 1100
Walpole
Boston and Maine R.R.
Westminster
MORTON AIRSTRIP
20 June 1958
Vermont Aero. Commission
N
0 1/2 1 2 3 4 5 6 7 8
thousand foot increments
Field elevation 255 M.S.L.
Length 3200' (turf)
Width 100'



WESTMINSTER
ROCKING
Wellington Hill
Hedgehog Hill
Jones Hill
Signal Hill
Darby Hill
Colley Hill
Kurn Hattin Home
Westminster
Westminster Sta.
Barber Park Hill
Bellows Falls
Saxtons River
Minards Pond
COOLIDGE POWER CO TRANSMISSION LINE
BOSTON AND MAINE
WINDHAM CO
CHESHIRE CO
SULLIVAN CO
CONNECTICUT RIVER
Bald Hill
Gageville
North Walpole
MEMORIAL HY
Dunshee
Grout Sta.
Hooper Hill
Walpole
Kingsbury Hill
Cold River
School No. 5
Blanchard Brook
FALL MOUNTAIN
Mt Kilburn
Mountain Bk
Middle Pd
North Mountain Pd
South Charlestown
Meadow Brook
WALPOLE
Walpole Reservoir
Ramsey Hill
Eaton Hill
Dodge Tavern
Rice Mtn
Cheney Hill
Hitchcock Mtn
Drew Mtn
Drewsville
Glovers Ledge
Tory Hill
WEST CEMETERY
Langdon
Walker Hill
Great Brook
Little Brook


South Charlestown
Darby Hill
Signal Hill
Colley Hill
SULLIVAN CO
CHESHIRE CO
WINDHAM CO
North Mountain Pd
Middle Pd
FALL MOUNTAIN
Langdon
Walker Hill
Tory Hill
Glovers Ledge
Jones Hill
Minards Pond
North Walpole
Mt Kilburn
Bellows Falls
Barber Park
Cold
Drewsville
Drew Mtn
Cold River
Gageville
Hitchcock Mtn
Cheney Hill
Hedgehog Hill
School No 5
Dodge Tavern
Rice Mtn
Cliff Sch
Eaton Hill
Westminster Sta
Walpole
Walpole Reservoir
Ramsey Hill
Wellington Hill
Westminster
Kurn Hattin Home
Dunshee
Grout Sta
Hooper Hill
Kingsbury Hill
CONNECTICUT
TRANSMISSION
5000
0
5000

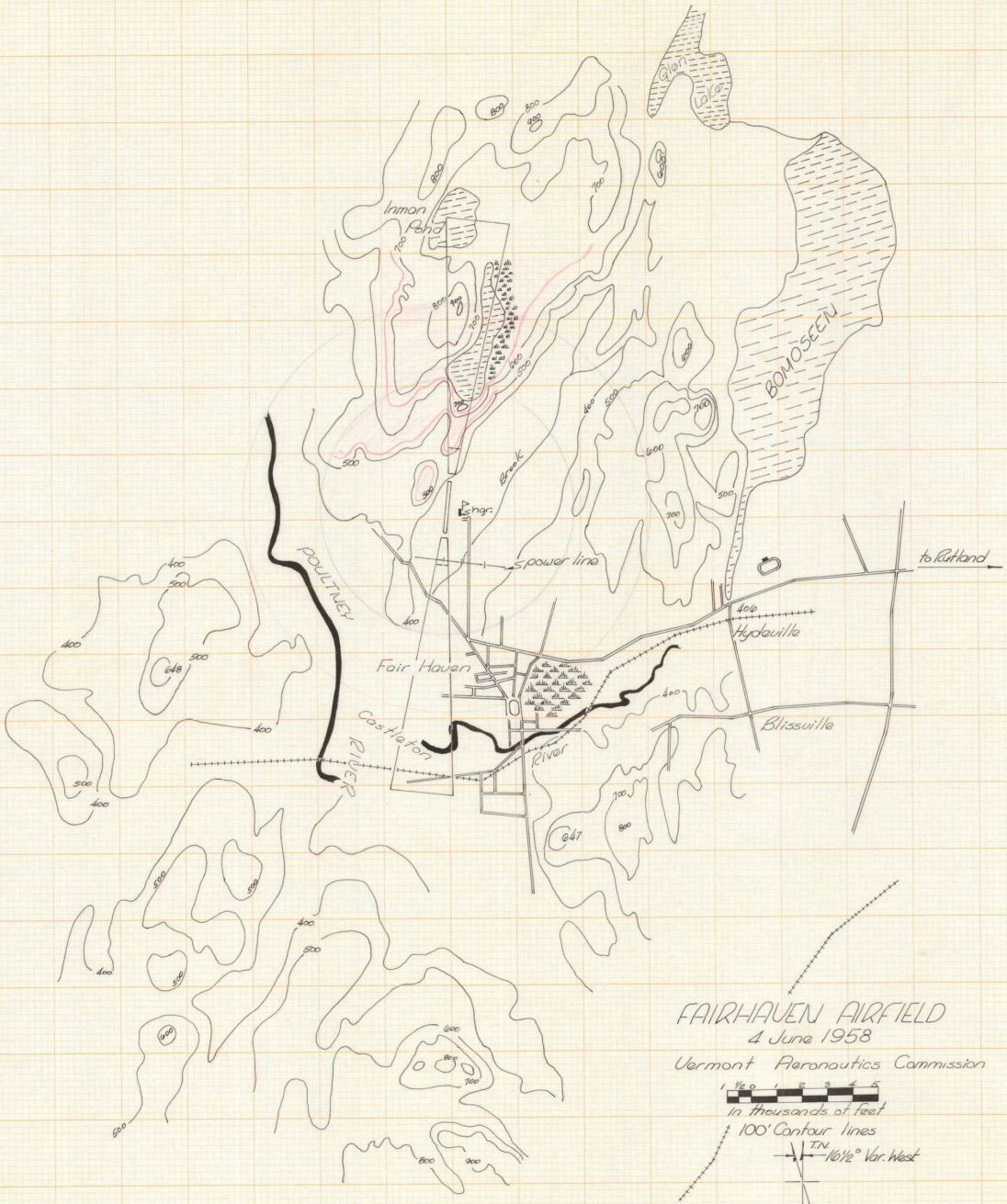
176.8%
1" = 3000

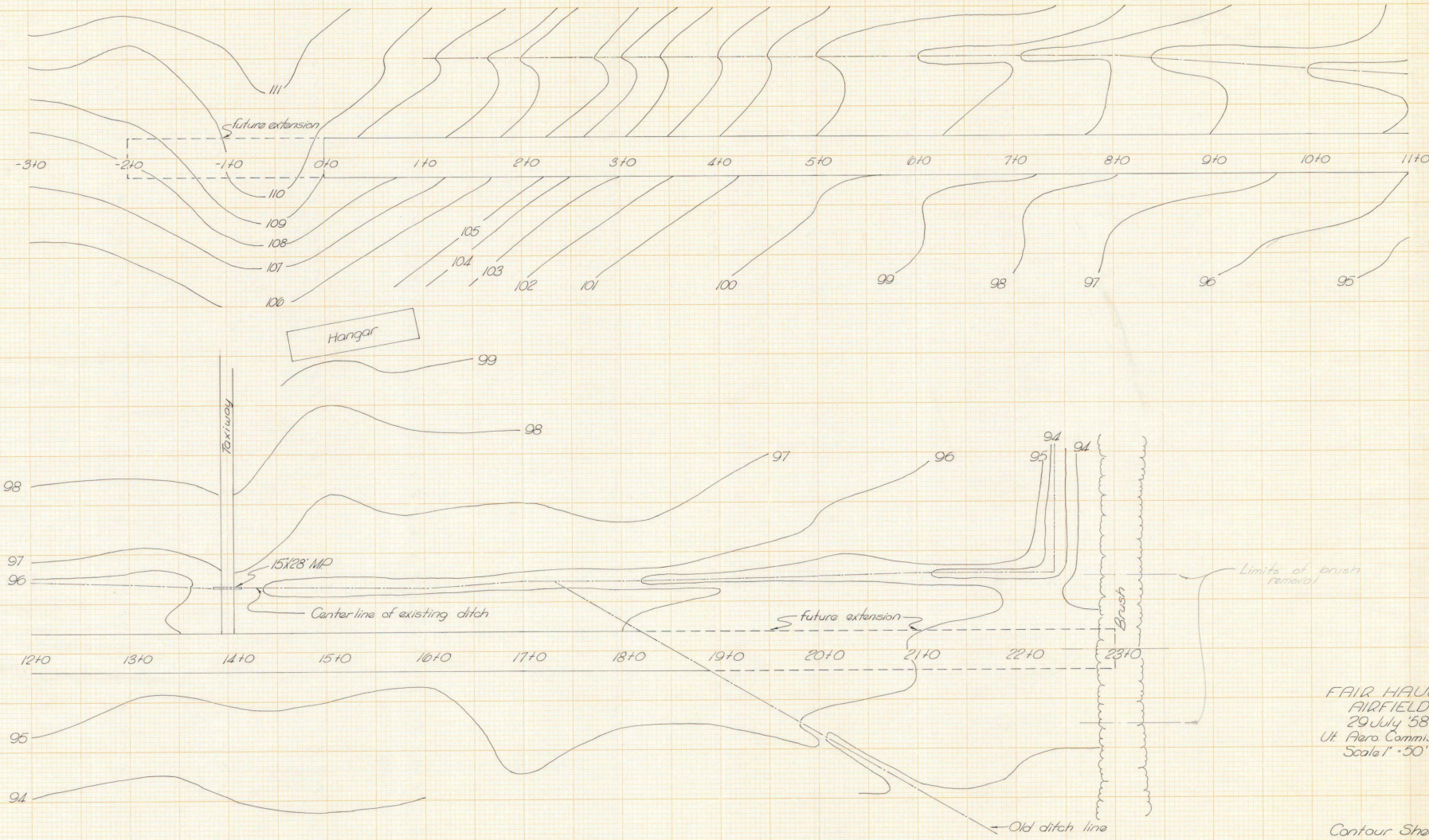

111
110
109
108
107
106
105
104
103
102
101
100
99
98
97
96
95
94
-3+10
-2+10
-1+10
0+10
1+10
2+10
3+10
4+10
5+10
6+10
7+10
8+10
9+10
10+10
11+10
12+10
13+10
14+10
15+10
16+10
17+10
18+10
19+10
20+10
21+10
22+10
23+10
future extension
Hangar
Taxiway
15/33 Rwy
Center line of existing ditch
future extension
Brush
Old ditch line
FAIR HAVEN
PROFILE
20 July 56
Vt. Flood Commission
Scale 1" = 50'
Contour Ethan

FAIR HAVEN

Vermont Aero. Commission

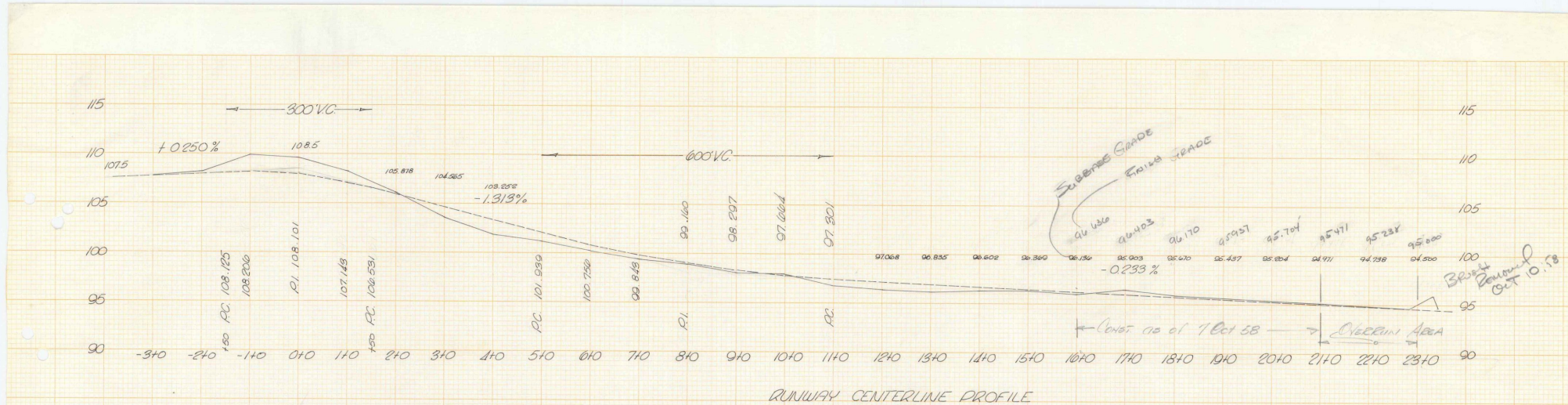
July 1958


Inman Pond
BOMOSEEN
Brook
Engr.
power line
to Rutland
Hydeville
Fair Haven
POULTNEY
Castleton
River
Blissville
FAIRHAVEN AIRFIELD
4 June 1958
Vermont Aeronautics Commission
1/2 0 1 2 3 4 5
In thousands of feet
100' Contour lines
T.N.
16½° Var. West
M.N.

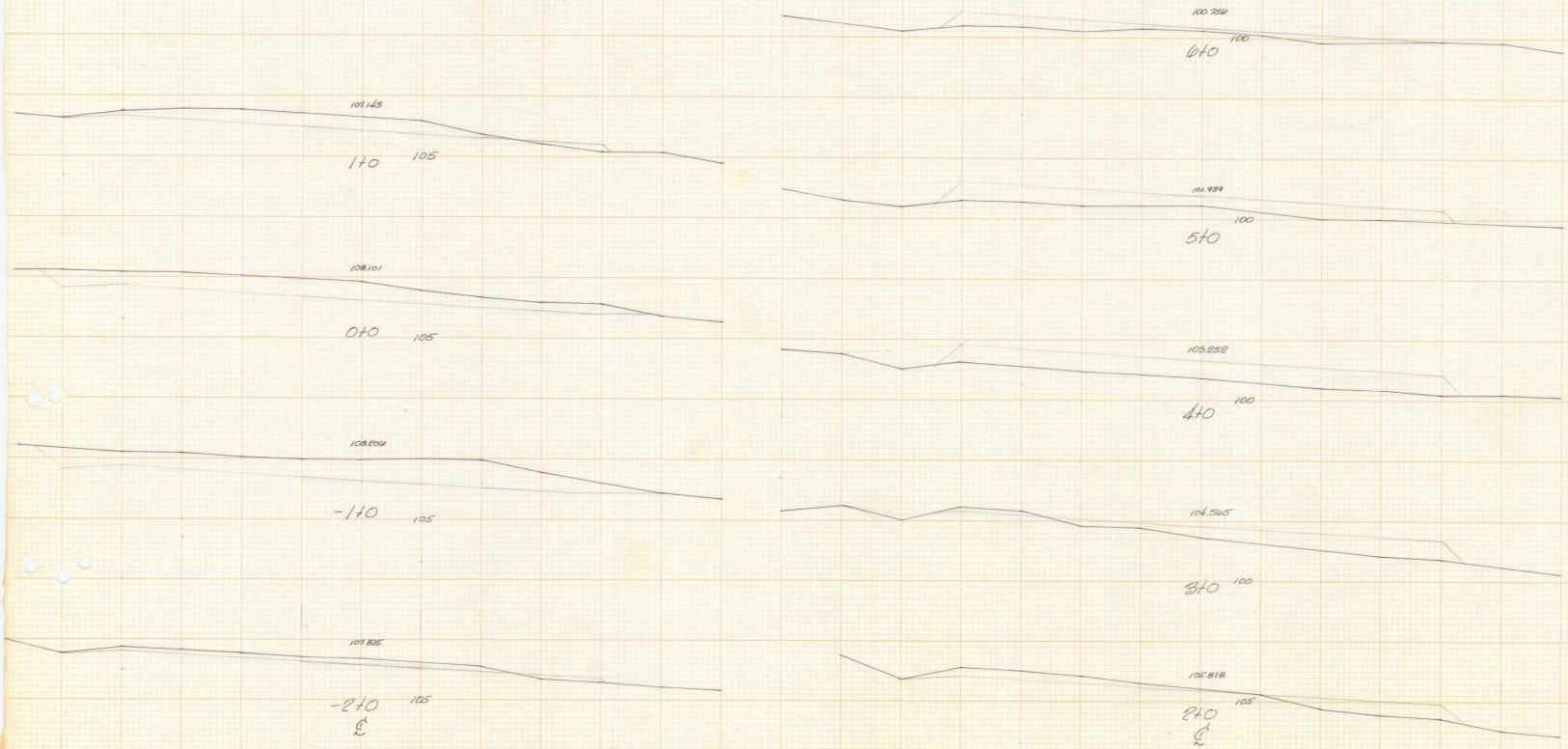


FAIR HAVEN
AIRFIELD
29 July '58
Ut Aero Commission
Scale 1" = 50'

Contour Sheet

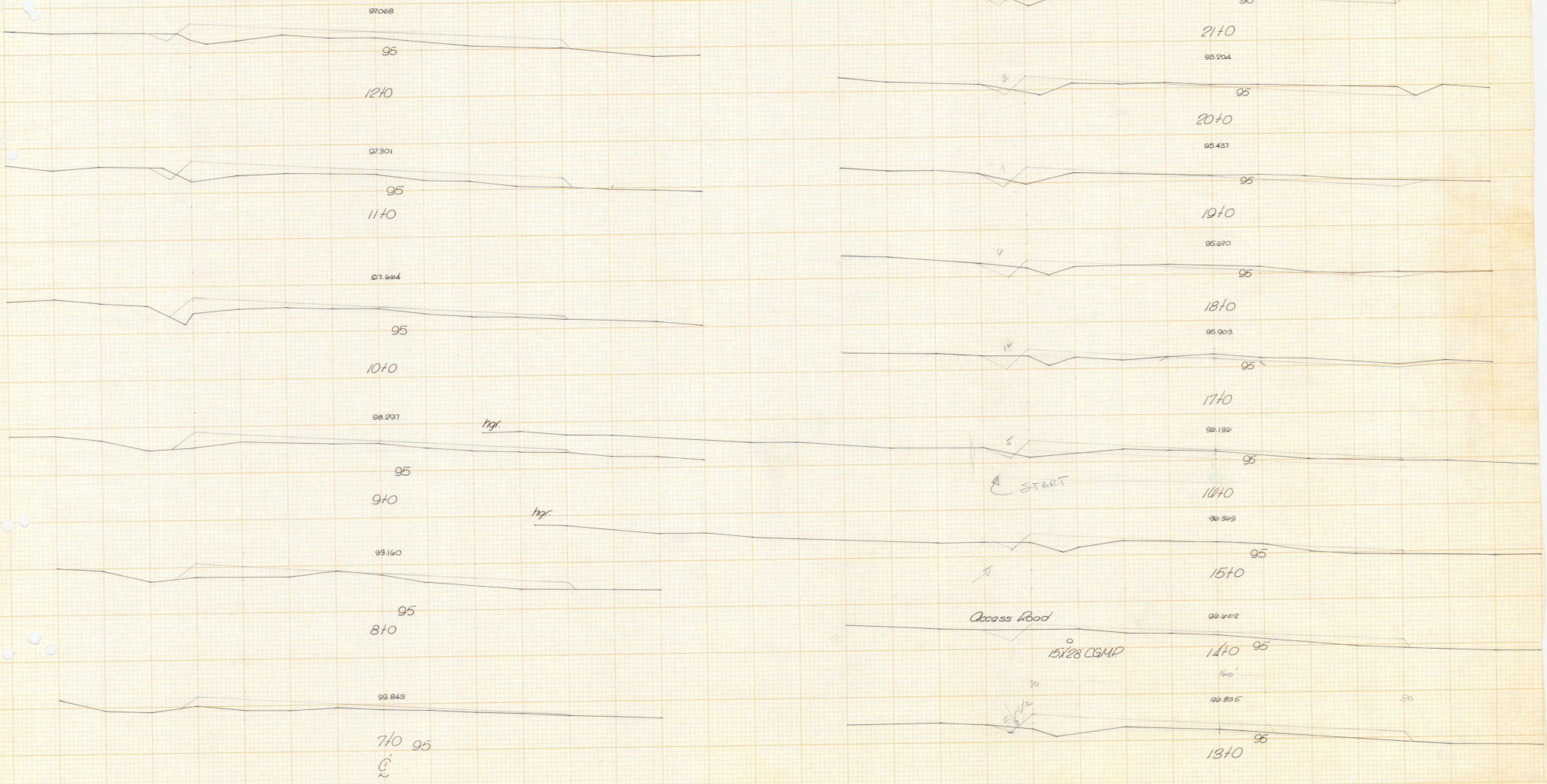


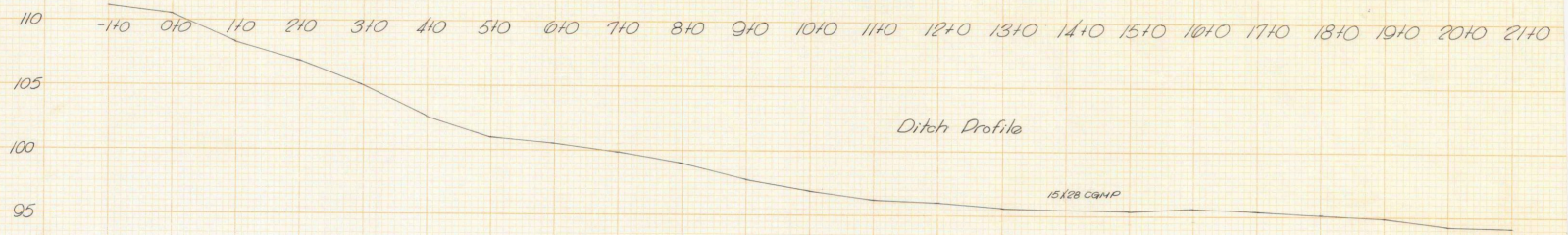
RUNWAY CENTERLINE PROFILE



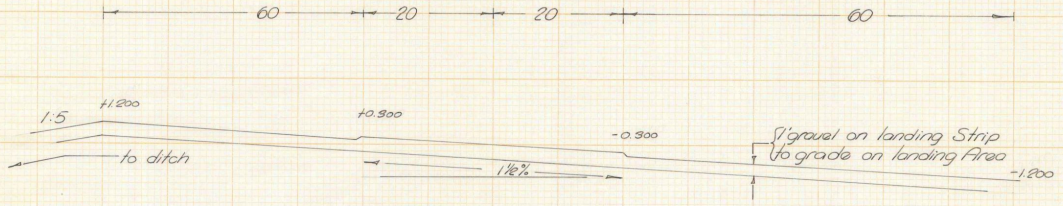
FAIR HAVEN
AIRFIELD
29 July 1958

X-SECTIONS
Hor 1" = 20'
Vert 1" = 5'

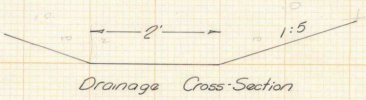

97.068
95
12+0
97.301
95
11+0
97.604
95
10+0
98.297
95
9+0
99.160
95
8+0
99.843
7+0 95
hgr.
hgr.
94.971
95
21+0
95.204
95
20+0
95.437
95
19+0
95.670
95
18+0
95.903
95
17+0
96.136
95
16+0
96.369
95
15+0
96.602
95
14+0
96.835
95
13+0
START
Access Road
15"x28 CGMP



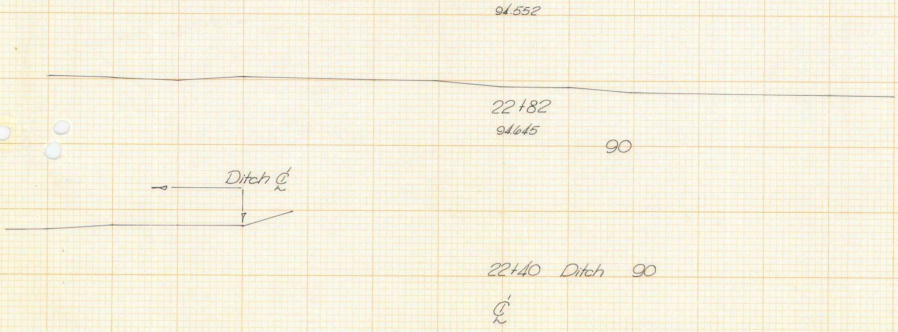
Ditch Profile



TYPICAL CROSS-SECTION

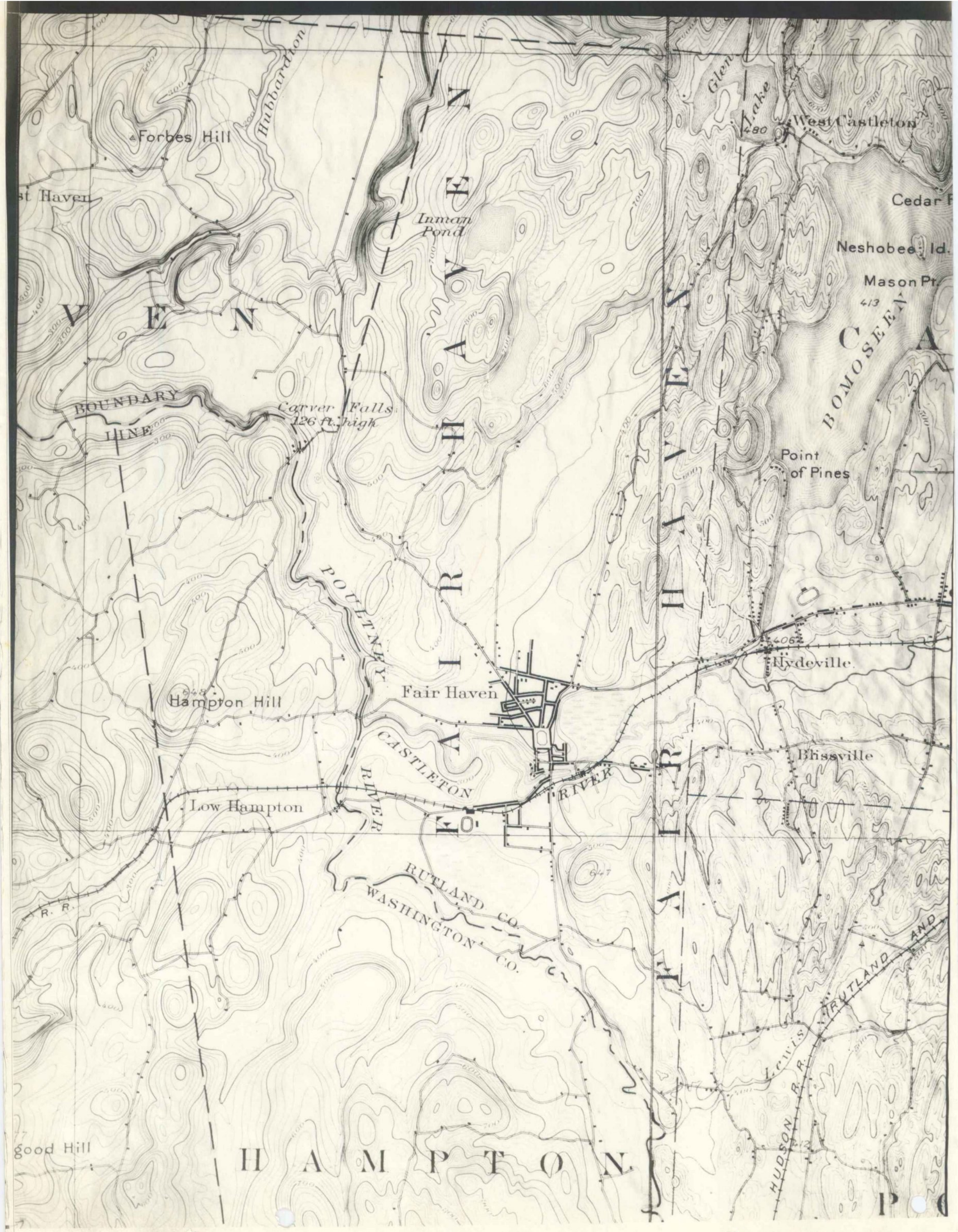


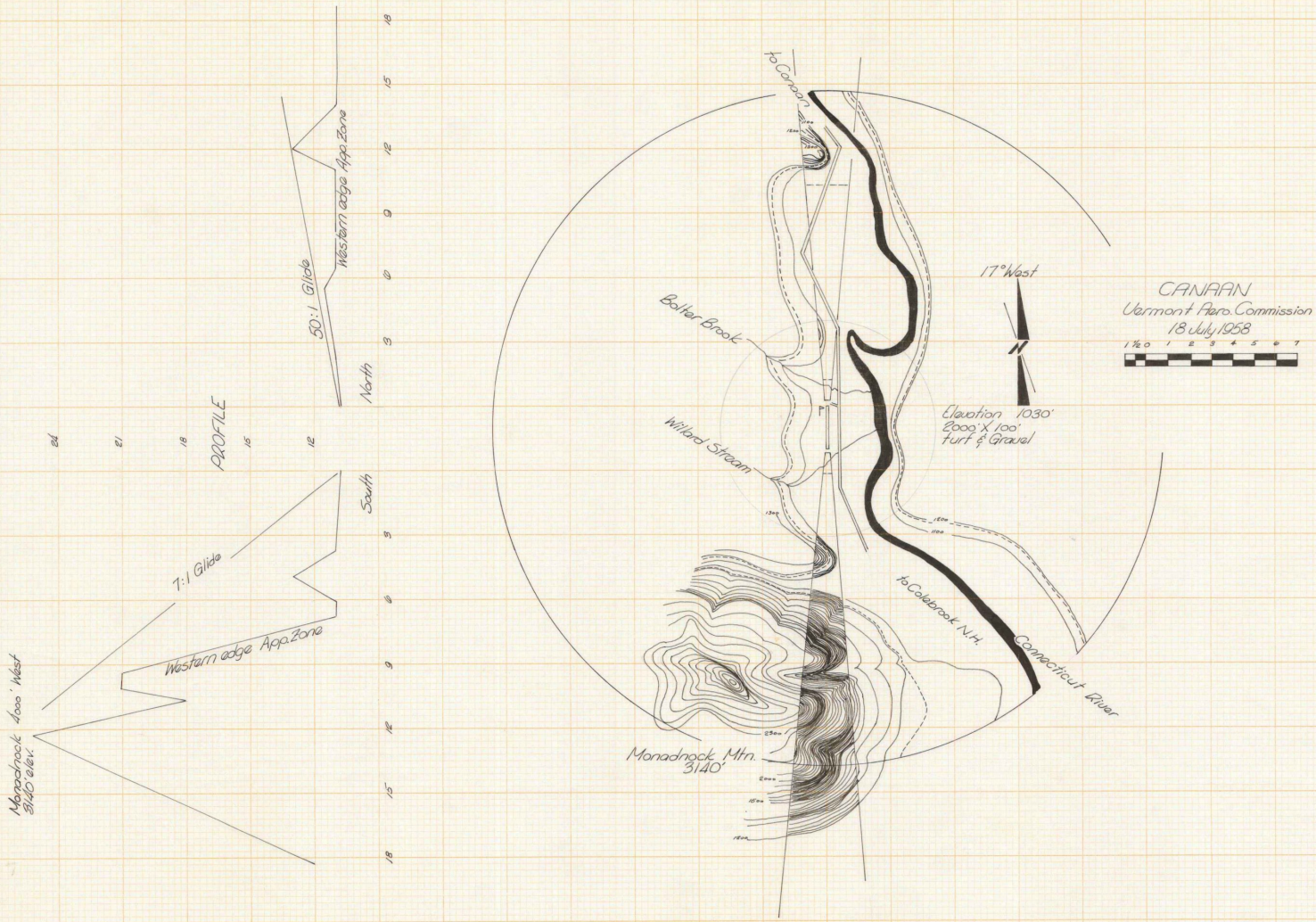
Drainage Cross-Section

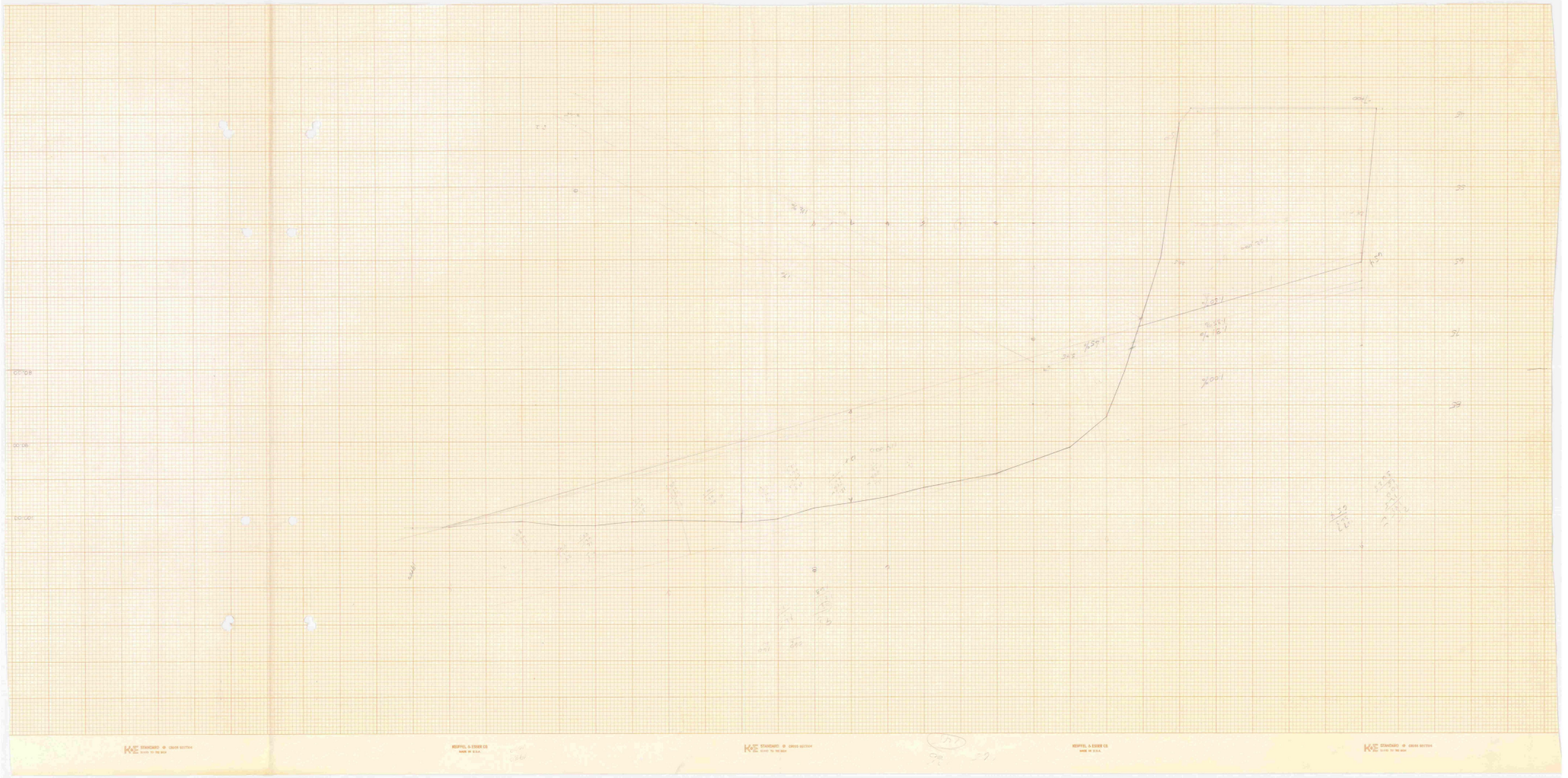


FAIR HAVEN
AIRFIELD
July 1958

DRAINAGE


Forbes Hill
Hubbardton
st Haven
Inman Pond
V E N
BOUNDARY LINE
Carver Falls 126 ft. high
F A I R H A V E N
Glen Lake
480
West Castleton
Cedar P
Neshobee Id.
Mason Pt.
413
C A
BOMOSEEN
Point of Pines
POULTNEY
Fair Haven
406
Hydeville
Hampton Hill
Blissville
CASTLETON RIVER
RIVER
Low Hampton
RUTLAND CO.
WASHINGTON CO.
R. R.
RUTLAND AND
Lewis
HUDSON R. R.
good Hill
H A M P T O N
P


to Canaan
Bolter Brook
Willard Stream
17° West
Elevation 1030'
2000' X 100'
turf & Gravel
CANAAN
Vermont Aero. Commission
18 July 1958
1/2 0 1 2 3 4 5 6 7
to Colebrook N.H.
Connecticut River
Monadnock Mtn.
3140'
PROFILE
North
South
50:1 Glide
Western edge App. Zone
7:1 Glide
Western edge App. Zone
Monadnock 4000' West
3140 elev.



Several projects

Misc. ~~Original Steel plans~~

~~6-24-74~~ AIRPORTS ~~1944-1958~~

Vermont Agency of
Transportation
Phase III- Interstate
#090303-01

INITIALS DONE Hanger 5012