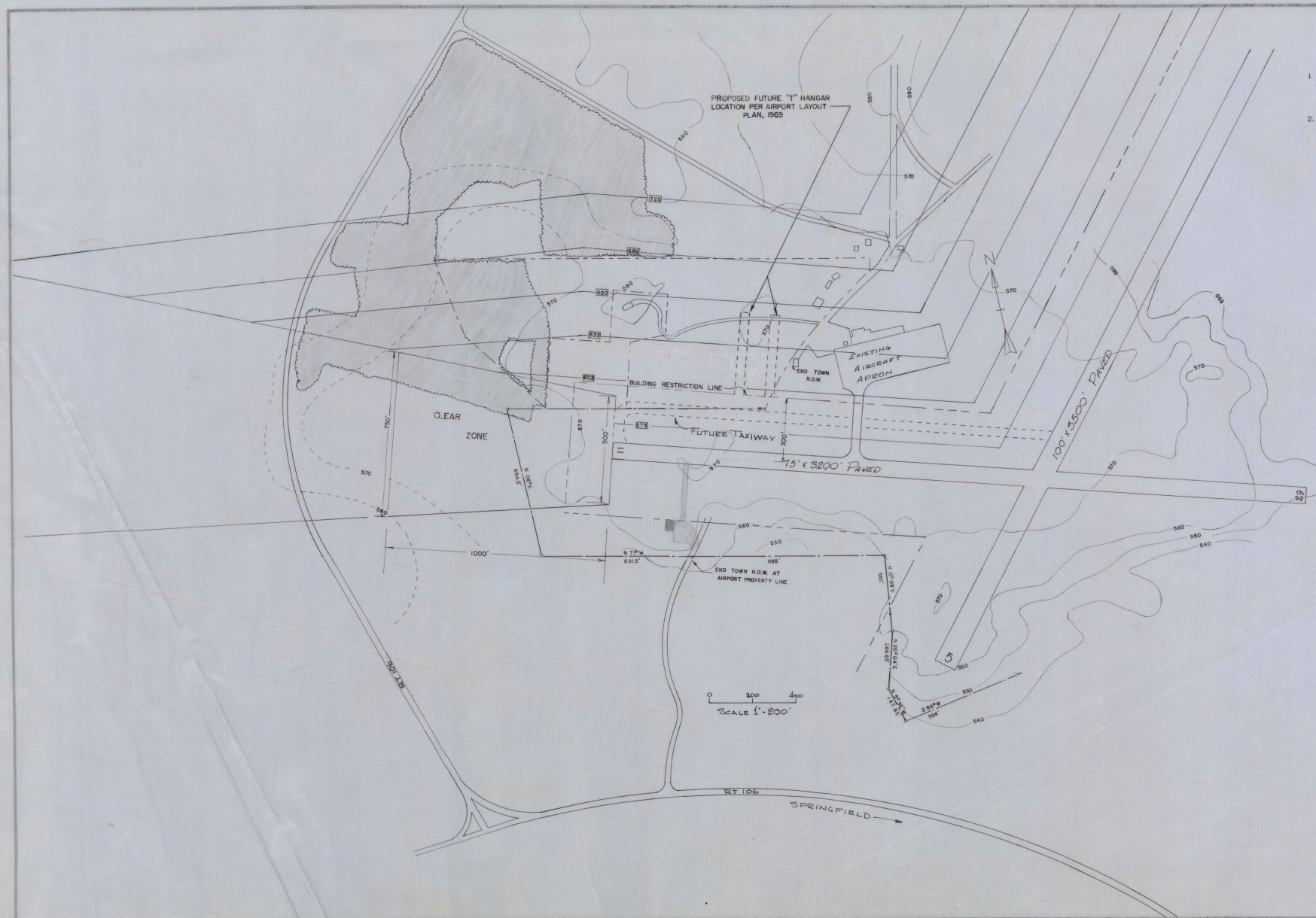




- NOTES
1. CONTOURS WERE OBTAINED FROM PREVIOUS AIRPORT RELATED LAYOUTS AND FROM UNITED STATES COAST & GEODETIC SURVEY SHEETS.
 2. APPROXIMATE PROPERTY LINES FOR ADJACENT LANDS PROVIDED TO V.A.B. BY OTHERS — BOUNDARY LINES SHOULD BE SUBSTANTIATED BY AN ACCURATED FIELD SURVEY

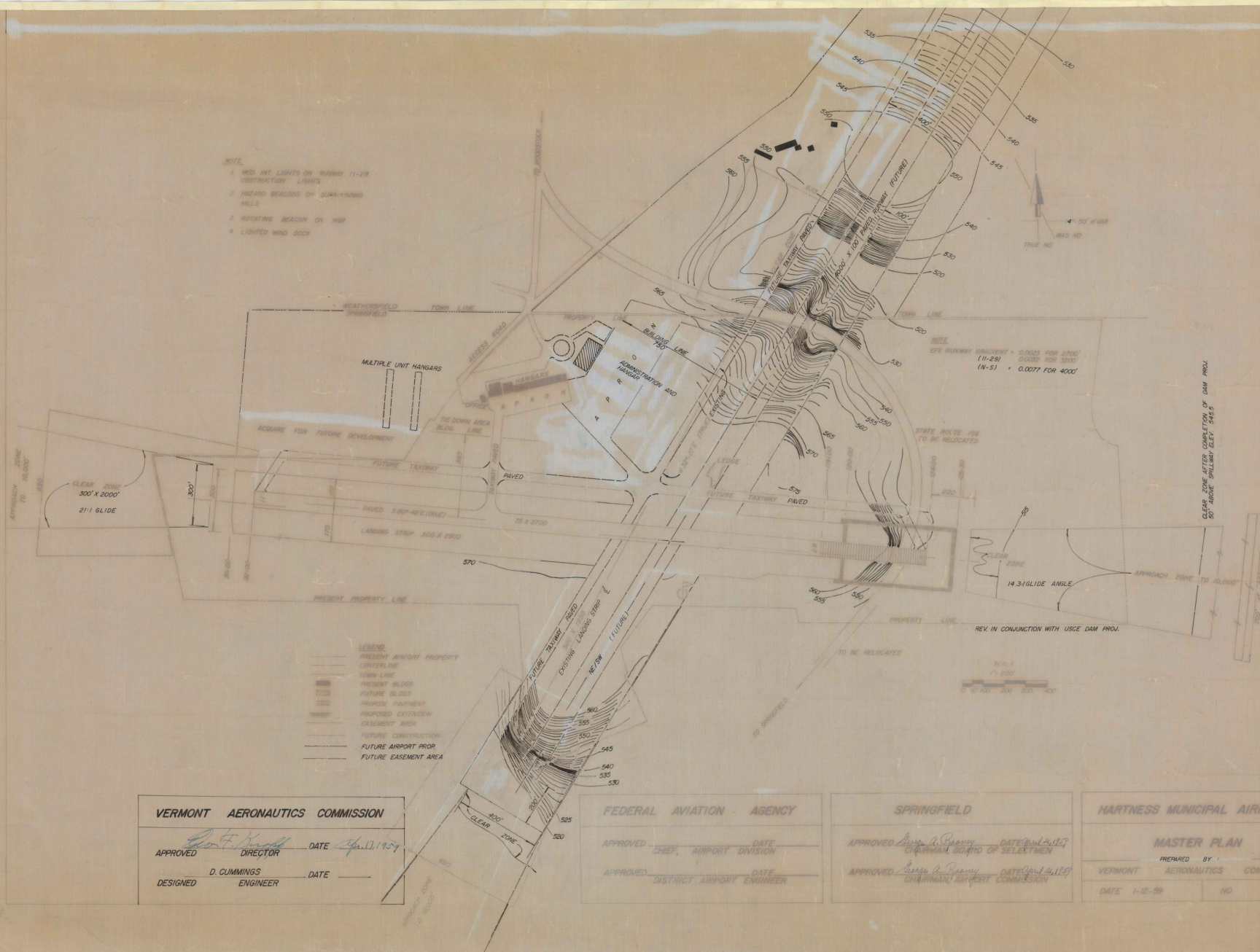
SPRINGFIELD STATE
AIRPORT (HARTNESS)
NORTH SPRINGFIELD, VT.

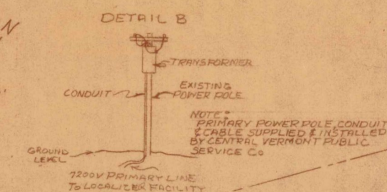
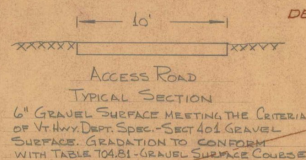
LAYOUT PLAN
ADJACENT PROPERTY

VERMONT AERONAUTICS BOARD
G. SHEPARDSON - AERPT ENGR
SEPT '72

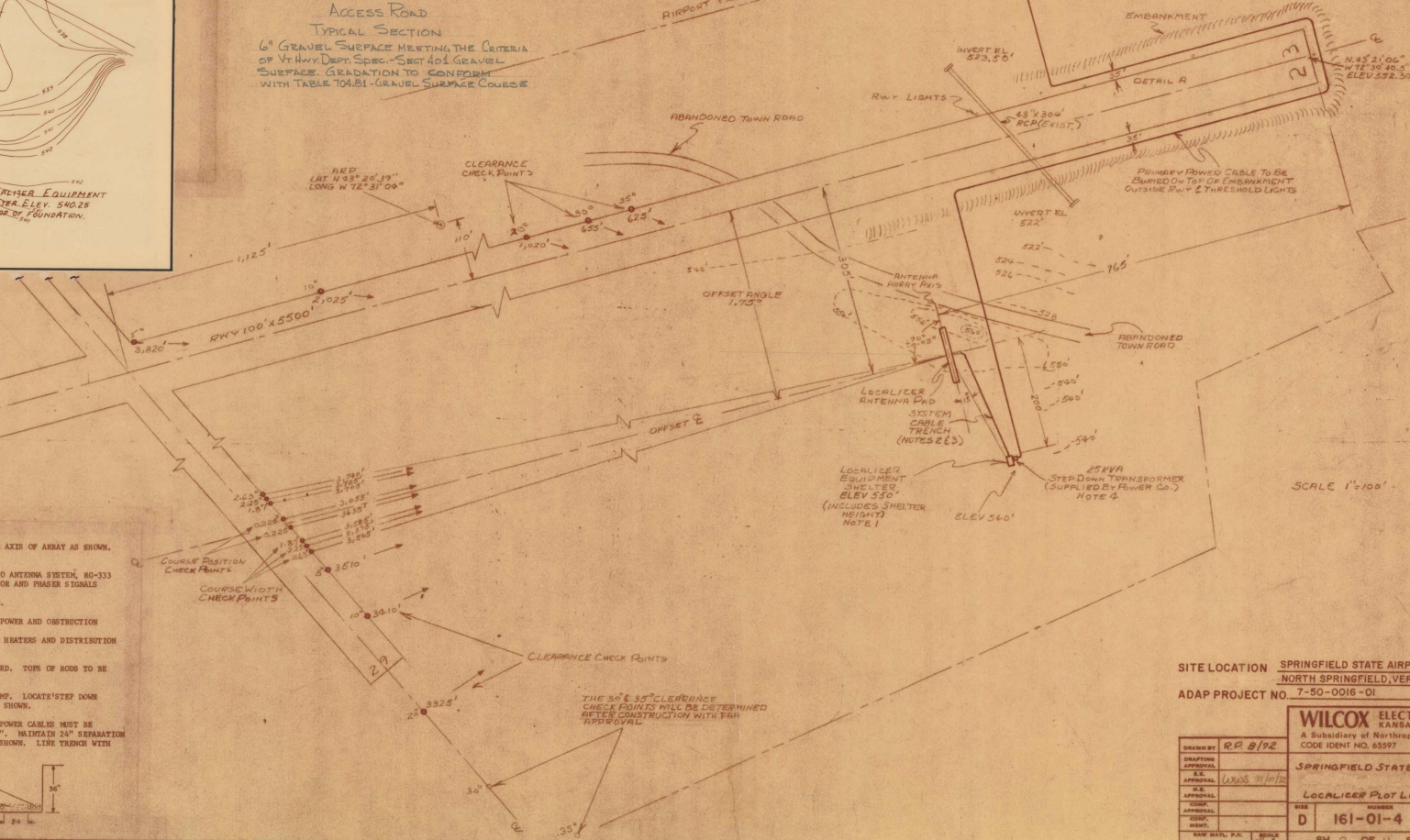
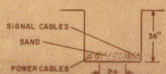
NOTE

1. MID INT LIGHTS ON RUNWAY 11-29
2. OBSTRUCTION LIGHTS
3. HAZARD BEACONS ON SURROUNDING HILLS
4. ROTATING BEACON ON HQR
5. LIGHTED WIND SOCK





- NOTES:
1. LOCATE FRONT CORNER OF BUILDING 15° FROM LONG AXIS OF ARBAT AS SHOWN.
 2. SYSTEM CABLES:
 - 2 A. CABLE - ALUMINUM COAX - TRANSMITTER SET TO ANTENNA SYSTEM, RD-333
 - 1 EACH - 6 FE. 191 SHIELDED - FIELD DETECTOR AND PHASER SIGNALS
 - 1 EQUIPMENT TETHERING COLDWAVE 1940
 - 2 EACH - #6 BARE SOLID COPPER - SYSTEM GND
 - 2 EACH - #6 XLPE - V-RING ELEMENT BRACERS.
 - 1 EACH - 3/16" W/DO CABLE - FIELD DETECTOR POWER AND OBSTRUCTION LIGHT POWER.
 - 1 EACH - 3/16" W/DO CABLE - MONITOR DIAPHORE HEATERS AND DISTRIBUTION UNIT CONVEYANCE UNIT
 3. INSTALL 5/8" X 8" NIP AT EACH END OF SYSTEM GND. TIPS OF ROOBS TO BE 6" BELOW SURFACE OF GROUND.
 4. POWER FACILITY TO BE 120/240 110V, 60 HZ 100 AMP. LOCATE STEP DOWN TRANSFORMER ADJACENT TO EQUIPMENT BUILDING AS SHOWN.
 5. 5000V POWER CABLE MUST BE BURIED 48", 4000V POWER CABLES MUST BE BURIED 36". CONTROL CABLES MUST BE BURIED 24". INITIALLY 24" SEPARATION BETWEEN POWER AND SIGNAL CABLES IN TRENCH AS SHOWN. LIFT TRENCH WITH SAND FOR CABLE PROTECTION.

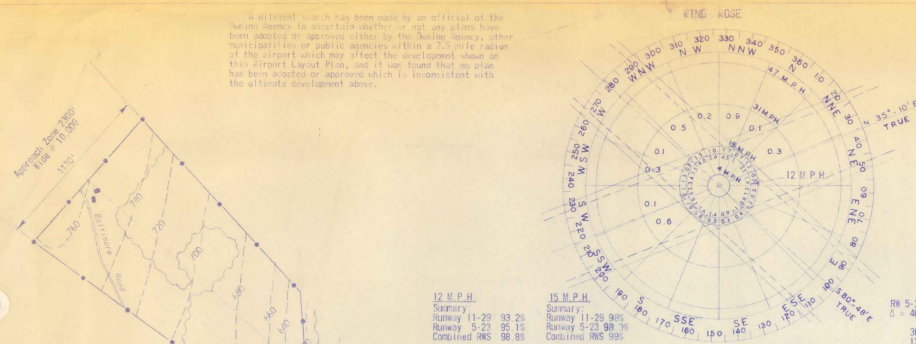


SITE LOCATION SPRINGFIELD STATE AIRPORT
NORTH SPRINGFIELD, VERMONT
ADAP PROJECT NO. 7-50-0016-01

WILCOX ELECTRIC, INC.
KANSAS CITY, MO.
A Subsidiary of Northrop Corporation
CODE IDENT NO. 65597

DRAWN BY	RP 8/92	A Subsidiary of Northrop Corporation	
DRAFTING APPROVAL		CODE IDENT NO. 65597	
APPROVAL	WWS 8/10/92	SPRINGFIELD STATE AIRPORT	
APPROVAL		LOCALIZER PLOT LAYOUT	
COMP. APPROVAL		SIZE	NUMBER
COMP. APPROVAL		D	161-01-4
DATE		SHEET	
NO. MAIL P.K.	SPALS	SH 2 OF 11 SHEETS	

A detailed check has been made by an official of the Bureau of Aeronautics to ascertain whether or not any plans have been adopted or approved either by the State, Federal, or other authorities, or public agencies within a 5.5 mile radius of the airport which may affect the development shown on this Airport Layout Plan, and it is found that no plan has been adopted or approved which is inconsistent with the ultimate development shown.



12 M.P.H.
Summary
Runway 11-29 93.2%
Runway 5-23 95.1%
Combined RMS 96.8%

15 M.P.H.
Summary
Runway 11-29 98%
Runway 5-23 98.3%
Combined RMS 99%

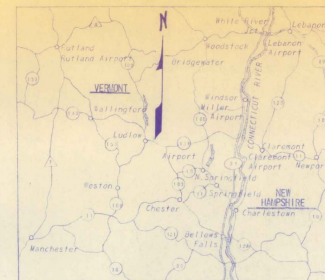
RN 5-23 & RN 11-29
0 - 46.4% Calms
0.3 MPH
36.7% 4-12 MPH
13.8% 13-15 MPH
3.1% 16-31 MPH
100.0%

SPRINGFIELD STATE AIRPORT (HARTNESS)

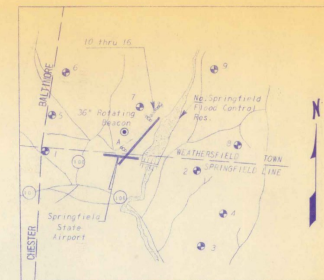
NO. SPRINGFIELD, VERMONT

Surface Wind Velocity Over A Period of 5 Years And 6 Months, At U.S. Weather Bureau Airport Station.

Remarks: Observations compiled at Lebanon, N.H. 48, 125 Observations (Jan. 1941 thru July 1943) and (Jan. 1944 thru Dec. 1946) White River Mt. Vermont records (Jan. 1941 thru July 1943) (Oct. 1942 Missing)



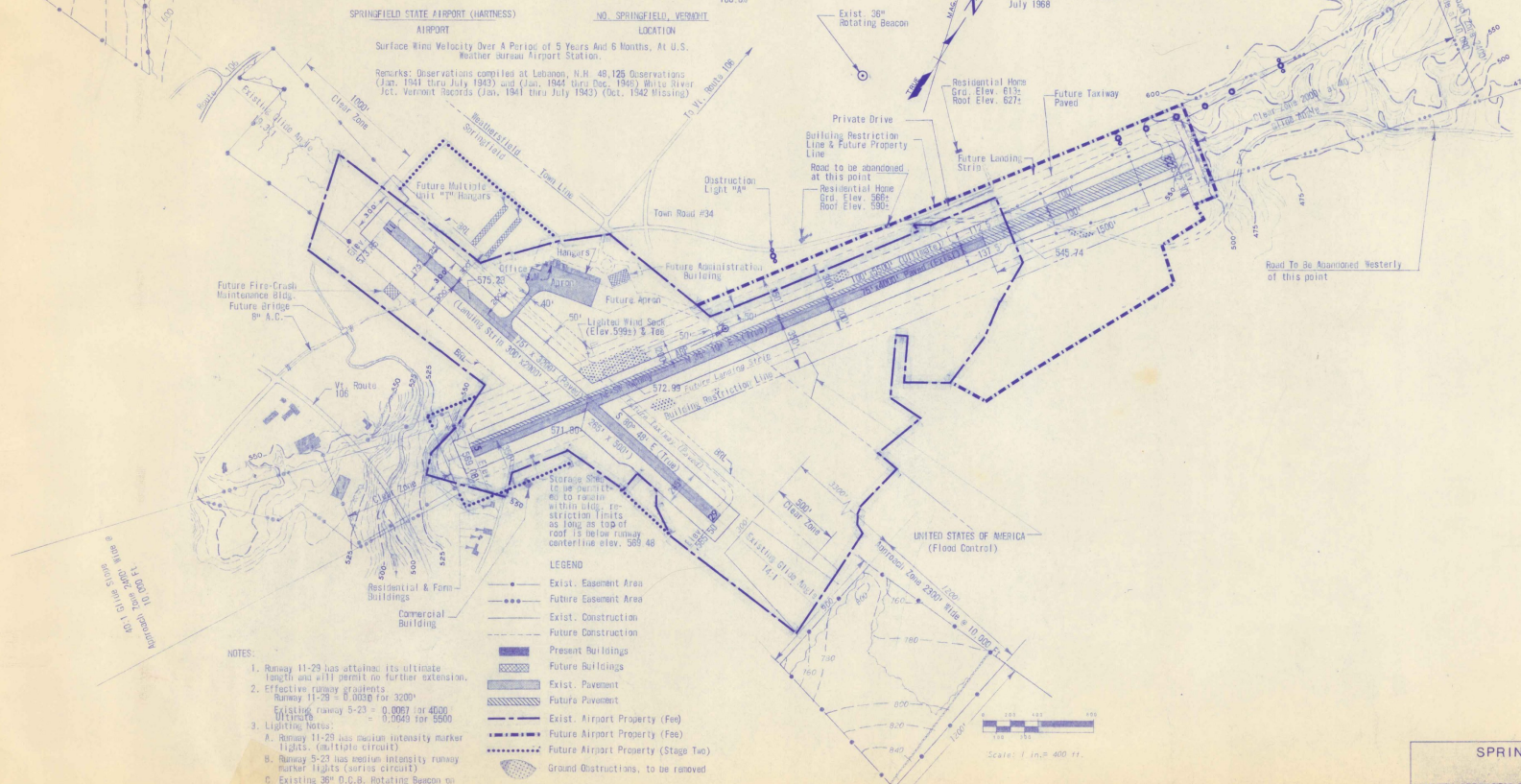
LOCATION MAP



VICINITY MAP

LEGEND

- Existing Hazard Beacons
- Exist. 36° Rotating Beacon
- Proposed Obstruction Lights (Double and Single)



LEGEND

- Exist. Easement Area
- Future Easement Area
- Exist. Construction
- Future Construction
- Present Buildings
- Future Buildings
- Exist. Pavement
- Future Pavement
- Exist. Airport Property (Fee)
- Future Airport Property (Fee)
- Future Airport Property (Stage Two)
- Ground Obstructions, to be removed

NOTES:

- Runway 11-29 has attained its ultimate length and will permit no further extension.
- Effective runway standards:
Runway 11-29 - 0.0036 for 5000'
Existing runway 5-23 - 0.0027 for 4000'
Ultimate - 0.0045 for 5500'
- Lighting Notes:
A. Runway 11-29 has medium intensity marker lights (multiple circuit).
B. Runway 5-23 has medium intensity runway marker lights (curb circuit).
C. Existing 36° O.C.B. Rotating Beacon on 21' steel tower on hill approx. 3000' NE of runway intersection.
D. 9 hazard lights on surrounding hills.
E. Lighted wind sock and wind tee North of runway intersection.
- General:
Airport Elev. 575.23
Airport Reference Point (ARP)
Lat. N 42° 20' - 30"
Long. W 72° 31' - 04"
Class - Large Class
General Utility
(Business Jet)

Good Obs. Temp. 70.7° F
Soil Classification - C-1, E-2
Pave. design strength (Gross St.)
Runway 11-29 - 2500 lbs.
Runway 5-23 - 2500 lbs. (Final)

U.S. DEPT. OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPROVED: _____
DATE: _____
CHIEF, AIRPORTS BRANCH

VERMONT AERONAUTICS BOARD

APPROVED: _____
DATE: _____
COMMISSIONER

APPROVED: _____
DATE: _____
ENGINEER

DATE: _____
REVISION: _____
BY: _____

SPRINGFIELD STATE AIRPORT
(HARTNESS)
NORTH SPRINGFIELD, VERMONT

AIRPORT LAYOUT PLAN

DUFRESNE-HENRY
Engineering Corporation
REGISTERED PROFESSIONAL
CIVIL & LANDSCAPE ARCHITECTS
VERMONT

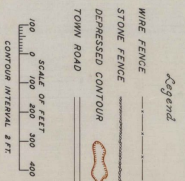
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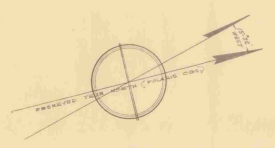
Sheet 1 of 2

MAY 7, 1965

VERMONT STATE PLANNING BOARD
1939

1939

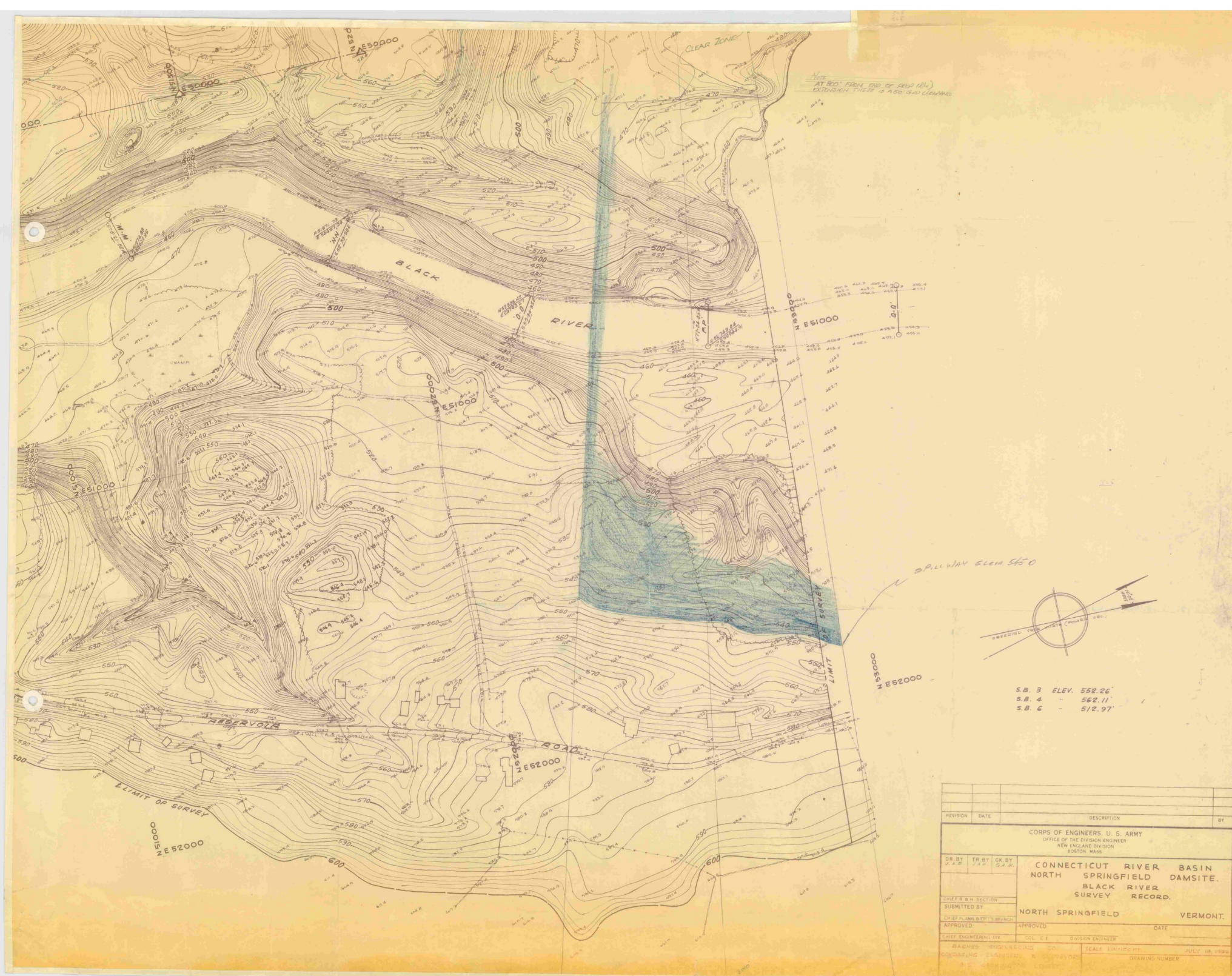


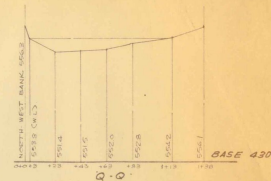
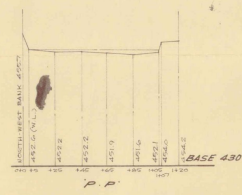
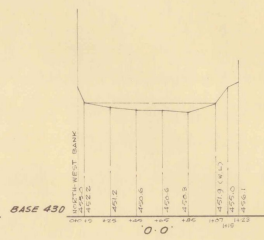
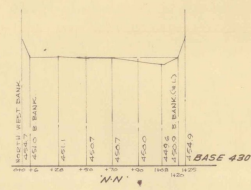
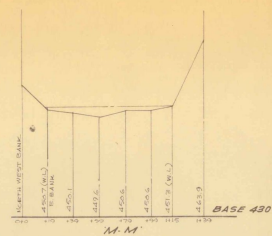
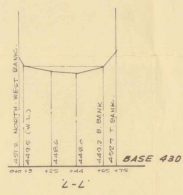
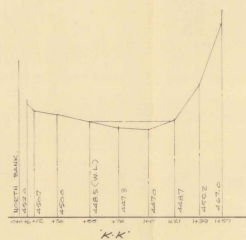
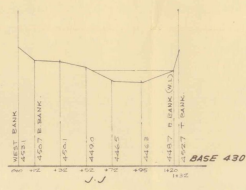
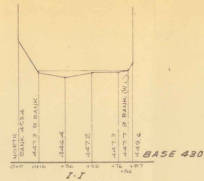
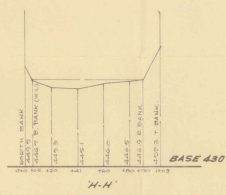
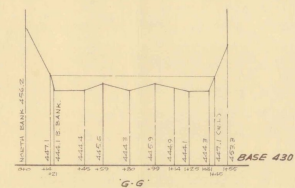
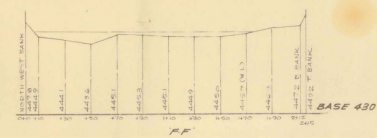
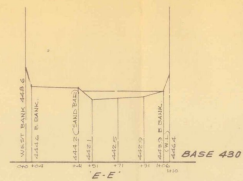
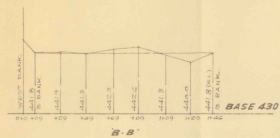
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58 5 ELEV. 474.30
58 7 ELEV. 481.50

REVISION	DATE	DESCRIPTION
CORPS OF ENGINEERS, U.S. ARMY		
OFFICE OF THE DIVISION ENGINEER		
NEW ENGLAND DIVISION		
BOSTON, MASS.		
CONNECTICUT RIVER BASIN		
NORTH SPRINGFIELD DAMSITE		
BLACK RIVER		
SURVEY RECORD		
NORTH SPRINGFIELD		
MASSACHUSETTS		



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SPRINGFIELD STATE AIRPORT (HARTNESS)
VERMONT

AIRPORT LAYOUT PLAN

DATE: MAY 7 1969

DESIGNED BY: DURENE-HENRY

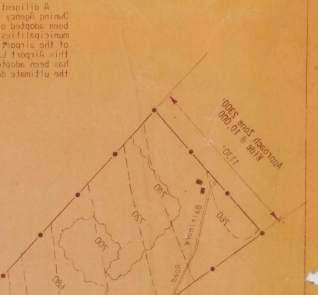
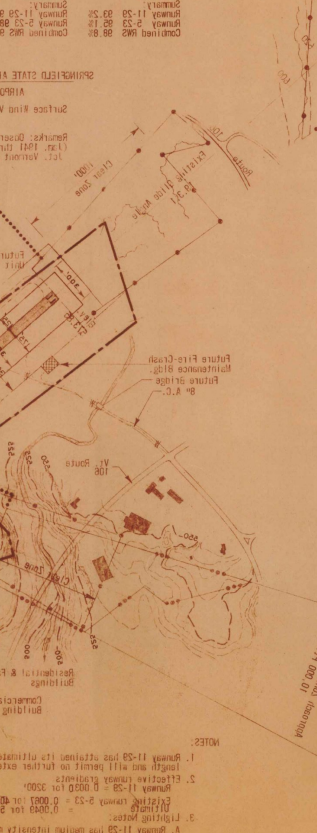
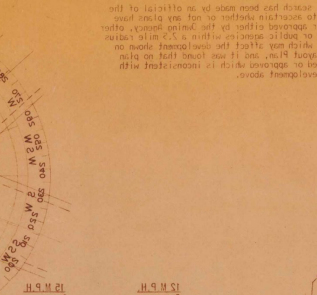
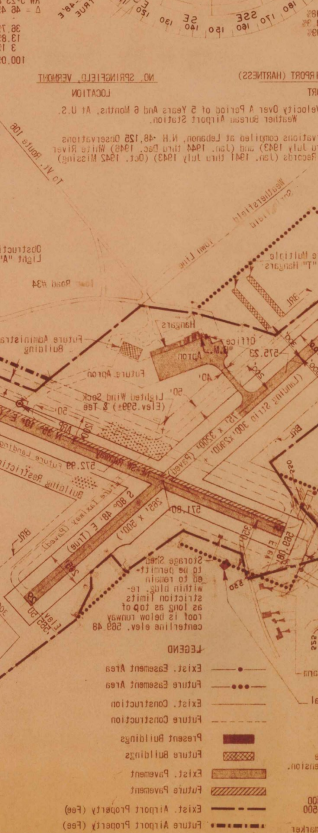
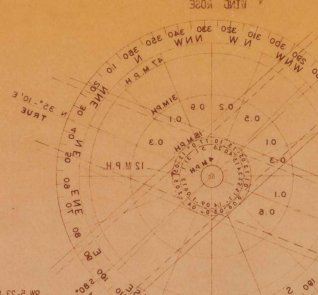
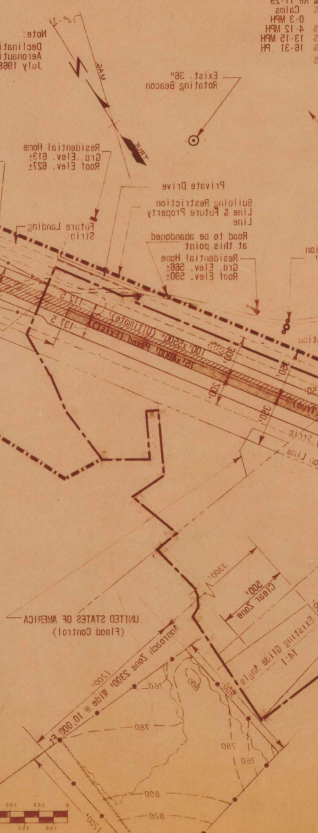
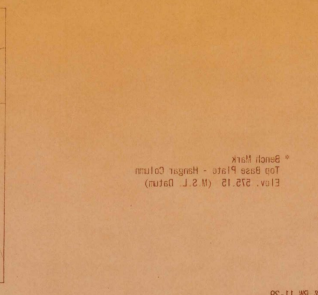
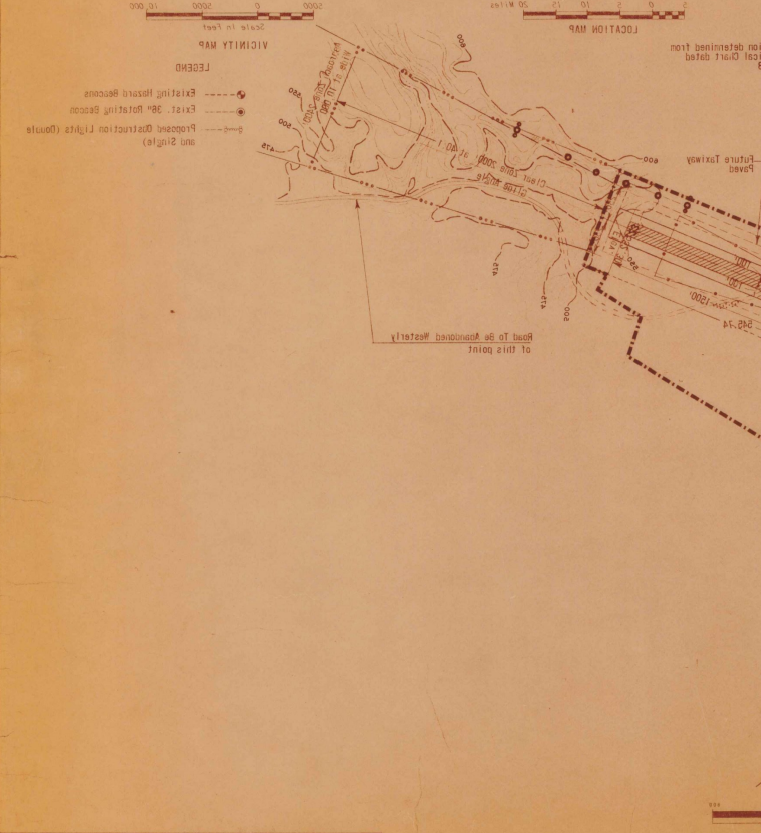
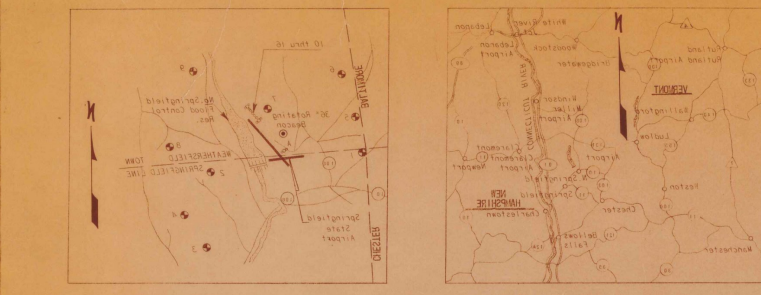
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APPROVED: [Signature]

DATE: [Blank]

REVISION: [Blank]

DATE: [Blank]



SPRINGFIELD STATE AIRPORT (HARTNESS)
VERMONT

AIRPORT LAYOUT PLAN

DATE: MAY 7 1969

DESIGNED BY: DURENE-HENRY

ENGINEER: DURENE-HENRY

APPROVED: [Signature]

DATE: [Blank]

REVISION: [Blank]

DATE: [Blank]