

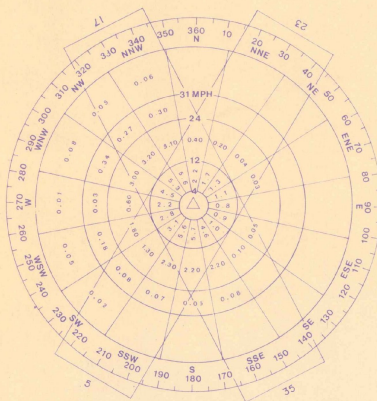
VERMONT AGENCY OF TRANSPORTATION

EDWARD F. KNAPP STATE AIRPORT

BERLIN, VERMONT

LAYOUT PLAN

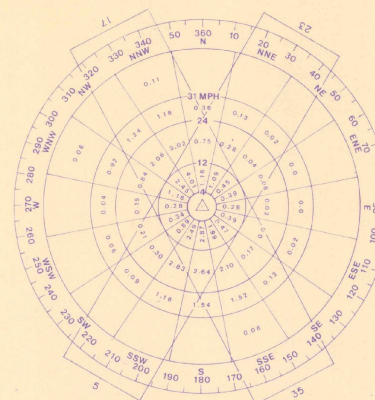
ALL WEATHER WIND ROSE



12 MPH CROSSWIND COVERAGE RWY 5-23 = 84.8%
12 MPH CROSSWIND COVERAGE RWY 17-35 = 92.2%
12 MPH CROSSWIND COVERAGE ALL RUNWAYS = 96.7%
Δ = 29.3% CALMS + 0-4 MPH
NO. OF OBSERVATIONS 51,840, PERIOD 1949-1954

SOURCE: U.S. WEATHER BUREAU, E.F. KNAPP AIRPORT, BERLIN, VERMONT

IFR WIND ROSE



12 MPH CROSSWIND COVERAGE RWY 5-23 = 85.6%
12 MPH CROSSWIND COVERAGE RWY 17-35 = 92.6%
12 MPH CROSSWIND COVERAGE ALL RUNWAYS = 98.2%
Δ = 55.3% CALMS + 0-4 MPH
NO. OF OBSERVATIONS 4,662, PERIOD 1950-1954

IFR WEATHER OCCURS 10.6% OF THE TIME

LIST OF DRAWINGS

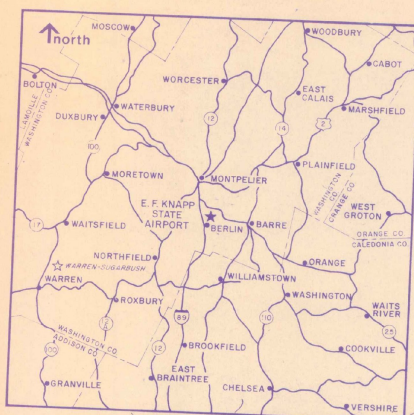
1. COVER SHEET
2. PROPOSED LAYOUT PLAN
3. TERMINAL AREA PLAN
4. PLAN & PROFILE RUNWAY 17-35
5. PLAN & PROFILE RUNWAY 5-23
6. AIRPORT SURFACES PART 77

RUNWAY DATA

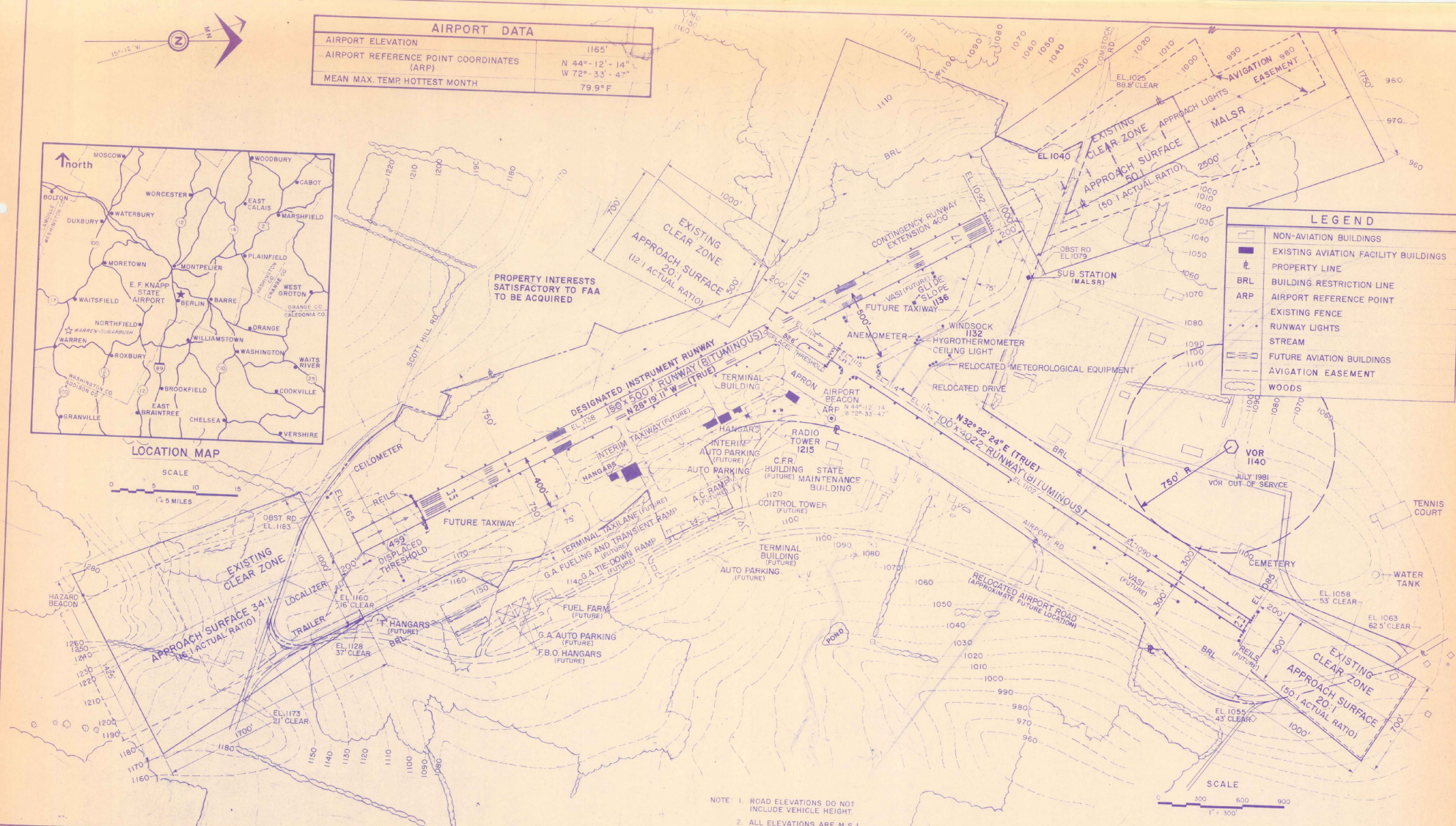
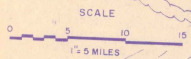
	R U N W A Y							
	5		23		17		35	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
EFFECTIVE GRADIENT (IN %)	0.79%	SAME	0.79%	SAME	1.46%	SAME	1.46%	SAME
RUNWAY DESIGNATION	BASIC	SAME	BASIC	SAME	PREC. INSTR.	SAME	PREC. INSTR.	SAME
APPROACH SURFACES	20:1	SAME	20:1	SAME	50:1	SAME	34:1	SAME
NAVIGATIONAL AIDS	NONE	SAME	NONE	SAME	ILS	SAME	VOR	SAME
VISUAL AIDS	—	REILS	—	VASI-2, REILS	MALSR	VASI-4	REILS	SAME
RUNWAY LIGHTING	—	MIRL	—	MIRL	MIRL	HIRL	MIRL	HIRL
RUNWAY MARKING	BASIC	SAME	BASIC	SAME	PREC. INSTR.	SAME	PREC. INSTR.	SAME
% WIND COVERAGE	ALL WEATHER 84.8% - IFR 85.6%				ALL WEATHER 92.2% - IFR 92.6%			
PAVEMENT STRENGTH	12,500 LBS.		12,500 LBS.		31,000 LBS.		31,000 LBS.	
GROSS AIRCRAFT WEIGHT-SINGLE WHEEL	12,500 LBS.		12,500 LBS.		31,000 LBS.		31,000 LBS.	



AIRPORT DATA	
AIRPORT ELEVATION	1165'
AIRPORT REFERENCE POINT COORDINATES (ARP)	N 44°-12'-14" W 72°-33'-47"
MEAN MAX. TEMP HOTTEST MONTH	79.9°F

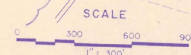


LOCATION MAP



LEGEND	
[Symbol]	NON-AVIATION BUILDINGS
[Symbol]	EXISTING AVIATION FACILITY BUILDINGS
[Symbol]	PROPERTY LINE
[Symbol]	BRL BUILDING RESTRICTION LINE
[Symbol]	ARP AIRPORT REFERENCE POINT
[Symbol]	EXISTING FENCE
[Symbol]	RUNWAY LIGHTS
[Symbol]	STREAM
[Symbol]	FUTURE AVIATION BUILDINGS
[Symbol]	AVIGATION EASEMENT
[Symbol]	WOODS

NOTE: 1. ROAD ELEVATIONS DO NOT INCLUDE VEHICLE HEIGHT.
2. ALL ELEVATIONS ARE M.S.L.



FEDERAL AVIATION ADMINISTRATION

Approved: _____
Chief of Airport Planning Branch
Date: _____

Approval Subject to Comments and Recommendations in Letter Dated _____

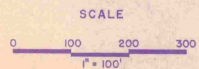
VERMONT AGENCY OF TRANSPORTATION

Approved: _____
Secretary of Transportation
Date: _____

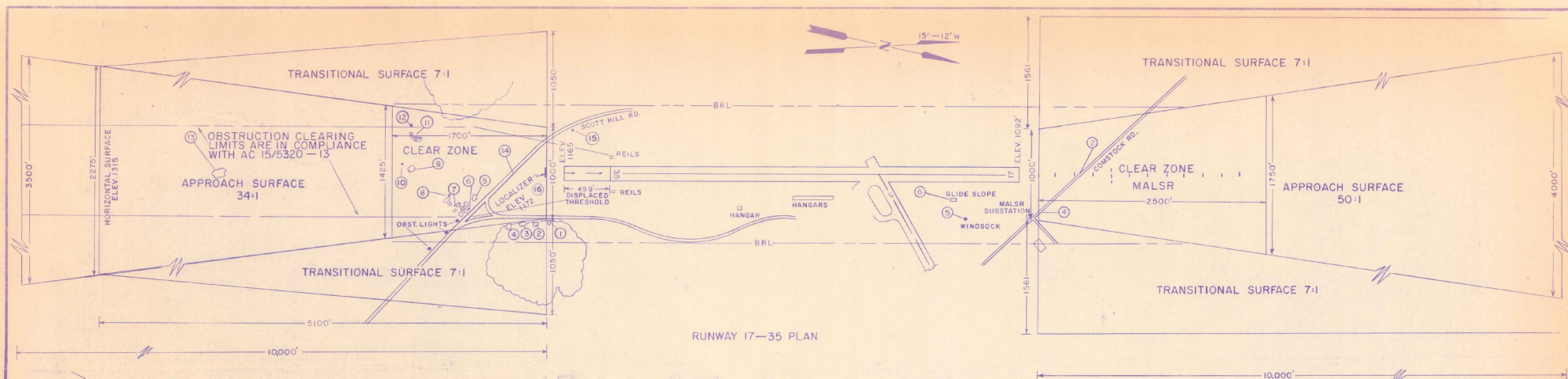
Approved: _____
Director Engineering and Construction
Date: _____

EDWARD F. KNAPP STATE AIRPORT
Proposed Airport Layout Plan

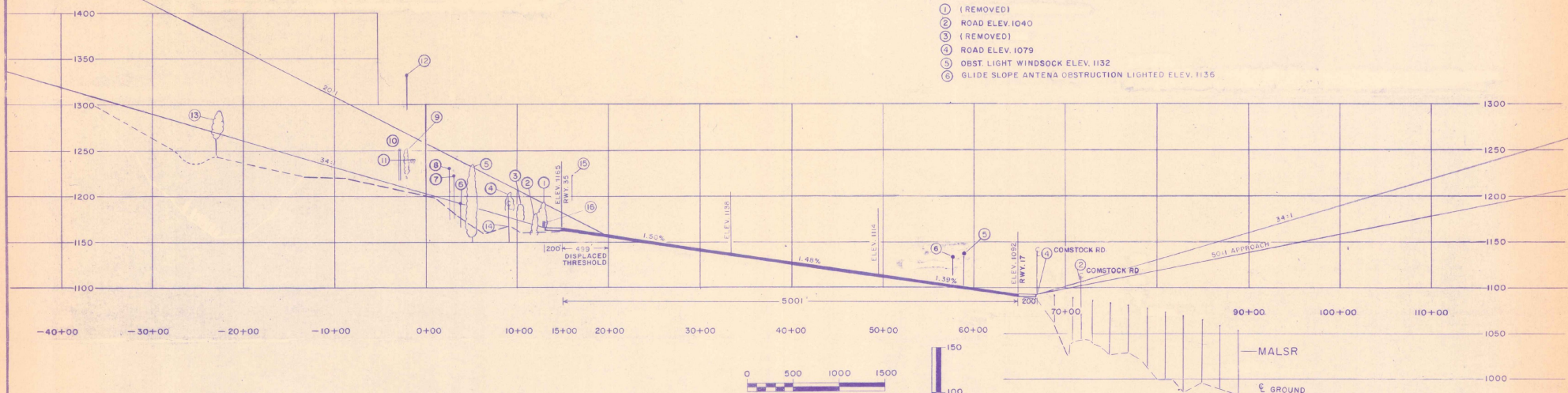
Date: Aug 1981



APR 6 1964



- ① (REMOVED)
- ② ROAD ELEV. 1040
- ③ (REMOVED)
- ④ ROAD ELEV. 1079
- ⑤ OBST. LIGHT WINDSOCK ELEV. 1132
- ⑥ GLIDE SLOPE ANTENNA OBSTRUCTION LIGHTED ELEV. 1136



- ① TREE ELEV. 1193
- ② TREE ELEV. 1181
- ③ TREE ELEV. 1192
- ④ TREES "CLUMP" ELEV. 1205
- ⑤ TREE ELEV. 1234
- ⑥ OBST. LIGHT POLE ELEV. 1193
- ⑦ OBST. LIGHT BARN ELEV. 1223
- ⑧ OBST. LIGHT BARN ELEV. 1231
- ⑨ TREE ELEV. 1255
- ⑩ UTILITY POLE ELEV. 1250
- ⑪ GROUND ELEV. 1234
- ⑫ HAZARD BEACON ELEV. 1333
- ⑬ TREE ELEV. 1290
- ⑭ ROAD ELEV. 1167
- ⑮ OBST. LIGHT POLE ELEV. 1223
- ⑯ OBST. LIGHTED LOCALIZER ANTENNA ELEV. 1172

NOTE 1 TOPOGRAPHICAL DATA SURVEYED BY THE V.A.O.T. IN OCT. 1978 AND JULY 1980

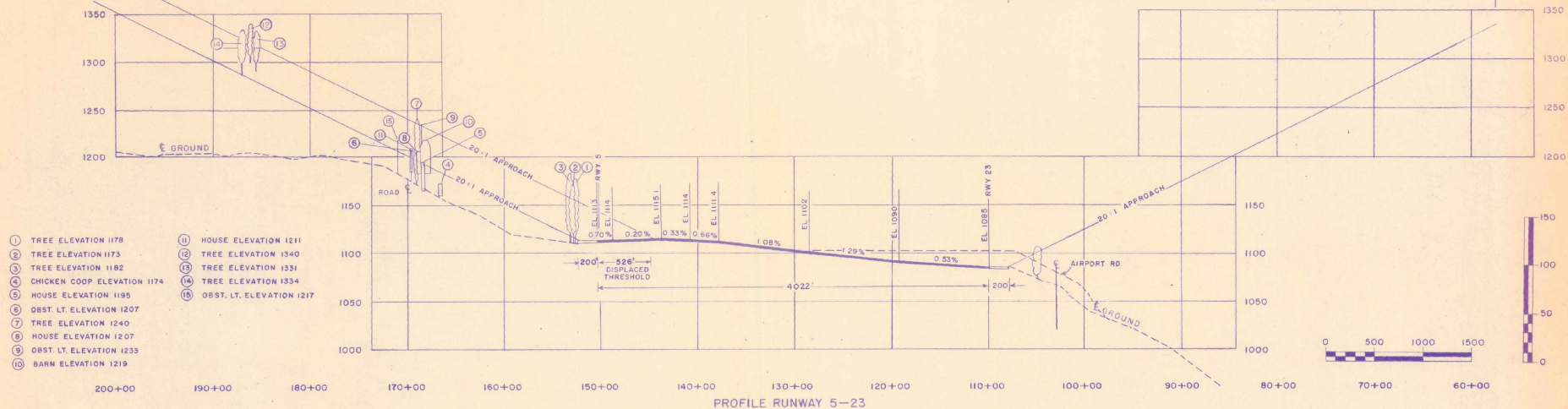
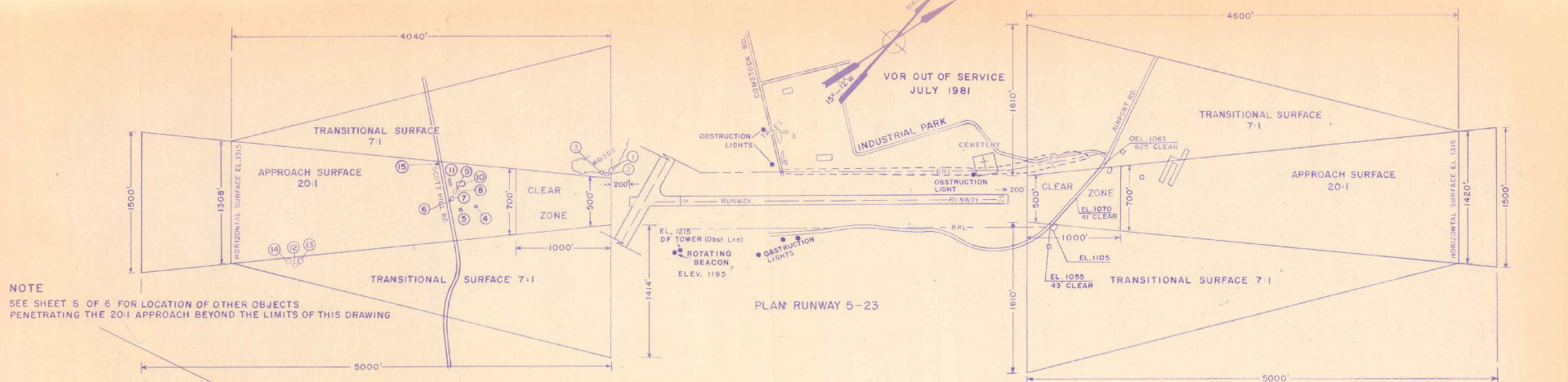
2 ROAD ELEVATIONS DO NOT INCLUDE VEHICLE HEIGHT

3 ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL

4 DISPLACED THRESHOLD DETERMINED BY FAA AC 150/5320-13

5 FOR SUPPLEMENTAL OBSTRUCTION DATA SEE NATIONAL OCEAN SURVEY OBSTRUCTION CHART 522 AND SHEET 6 OF 6

EDWARD F. KNAPP STATE AIRPORT BERLIN, VERMONT				
PLAN AND PROFILE RUNWAY 17-35 AND APPROACHES				
REV.	DATE	DRW. BY	CHKD. BY	APPR. BY
VERMONT AGENCY OF TRANSPORTATION PROJECT PLANNING DIVISION MONTPELIER, VERMONT 05602				
SCALE 1"=500' HORIZONTAL 1"=50' VERTICAL				
DES. BY	DRW. BY	CHKD. BY		
STEVENS	LAVIN	LEACH		
DATE AUG. 1981 SHEET 4 OF 6				



- NOTE 1. ROAD ELEVATIONS DO NOT INCLUDE VEHICLE HEIGHT
2. ALL ELEVATIONS REFER TO M.S.L.
3. DISPLACED APPROACH SLOPE CRITERIA—FAA AC 150/5320-13
4. FOR SUPPLEMENTAL OBSTRUCTION DATA SEE NATIONAL OCEAN SURVEY OBSTRUCTION CHART 522

							EDWARD F. KNAPP STATE AIRPORT BERLIN, VERMONT
							PLAN AND PROFILE RUNWAY 5-23 AND APPROACHES
REV.			DATE	DRW. BY	CHKD. BY	APPR. BY	
VERMONT AGENCY OF TRANSPORTATION PROJECT PLANNING DIVISION MONTPELIER, VERMONT 05602							SCALE 1 $\frac{1}{8}$ "=500' HORIZONTAL 1 $\frac{1}{8}$ "=50' VERTICAL
							DES. BY STEVENS
							DRW. BY LAVIN
							CHKD. BY LEACH
							DATE AUG. 1981 SHEET 5 OF 6

