

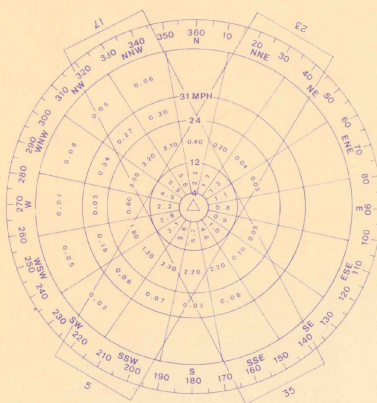
VERMONT AGENCY OF TRANSPORTATION

EDWARD F. KNAPP STATE AIRPORT

BERLIN, VERMONT

LAYOUT PLAN

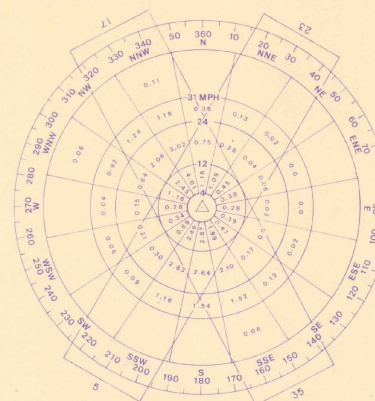
ALL WEATHER WIND ROSE



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%
△ = 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%
△ = 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

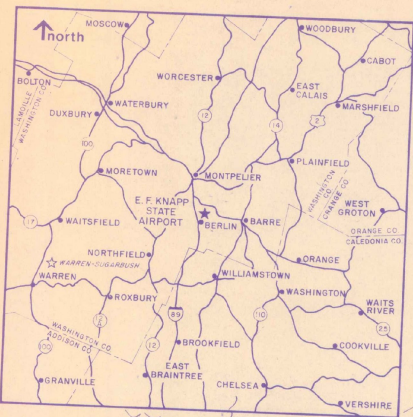
1. COVER SHEET
2. PROPOSED LAYOUT PLAN
3. TERMINAL AREA PLAN
4. PLAN & PROFILE RUNWAY 17-35
5. PLAN & PROFILE RUNWAY 5-23
6. AIRPORT SURFACES PART 77

RUNWAY DATA

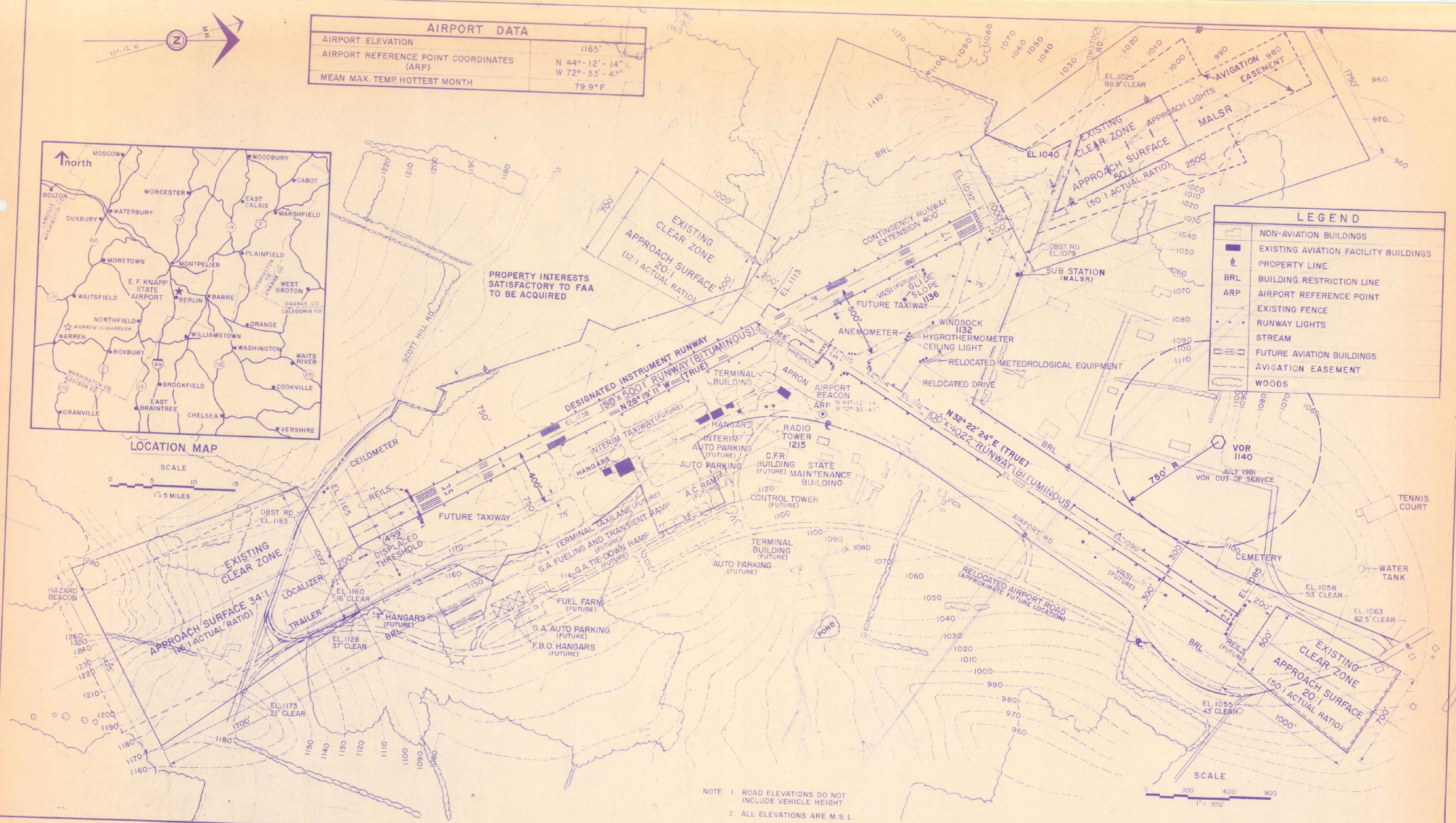
	R U N W A Y							
	5		23		17		35	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
EFFECTIVE GRADIENT (IN %)	0.79%	SAME	0.79%	SAME	1.46%	SAME	1.46%	SAME
RUNWAY DESIGNATION	BASIC	SAME	BASIC	SAME	PREC. INSTR.	SAME	PREC. INSTR.	SAME
APPROACH SURFACES	20:1	SAME	20:1	SAME	50:1	SAME	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

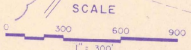


LOCATION MAP



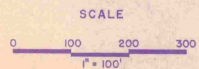
LEGEND	
[Symbol]	NON-AVIATION BUILDINGS
[Symbol]	EXISTING AVIATION FACILITY BUILDINGS
[Symbol]	PROPERTY LINE
[Symbol]	BRL BUILDING RESTRICTION LINE
[Symbol]	ARP AIRPORT REFERENCE POINT
[Symbol]	EXISTING FENCE
[Symbol]	RUNWAY LIGHTS
[Symbol]	STREAM
[Symbol]	FUTURE AVIATION BUILDINGS
[Symbol]	AVIGATION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

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



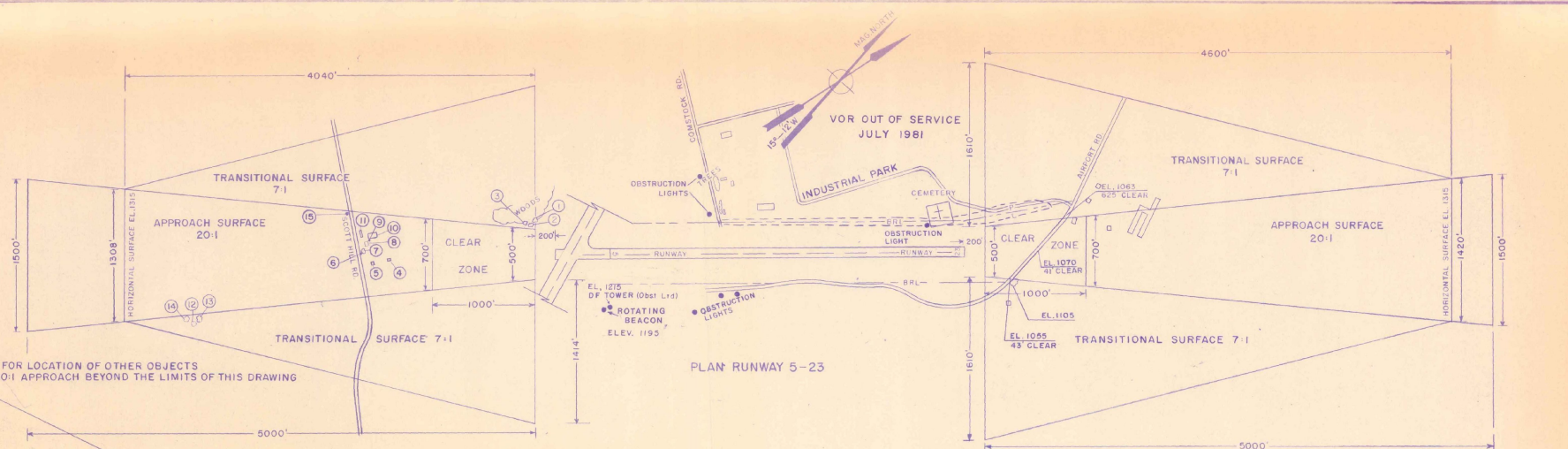
FEDERAL AVIATION ADMINISTRATION		VERMONT AGENCY OF TRANSPORTATION	
Approved: _____	Chief of Airport Planning Branch	Approved: _____	Secretary of Transportation
Date: _____		Date: _____	
Approval Subject to Comments and Recommendations in Letter Dated _____		Approved: _____	
		Director Engineering and Construction	
		Date: _____	

EDWARD F. KNAPP STATE AIRPORT
Proposed Airport Layout Plan

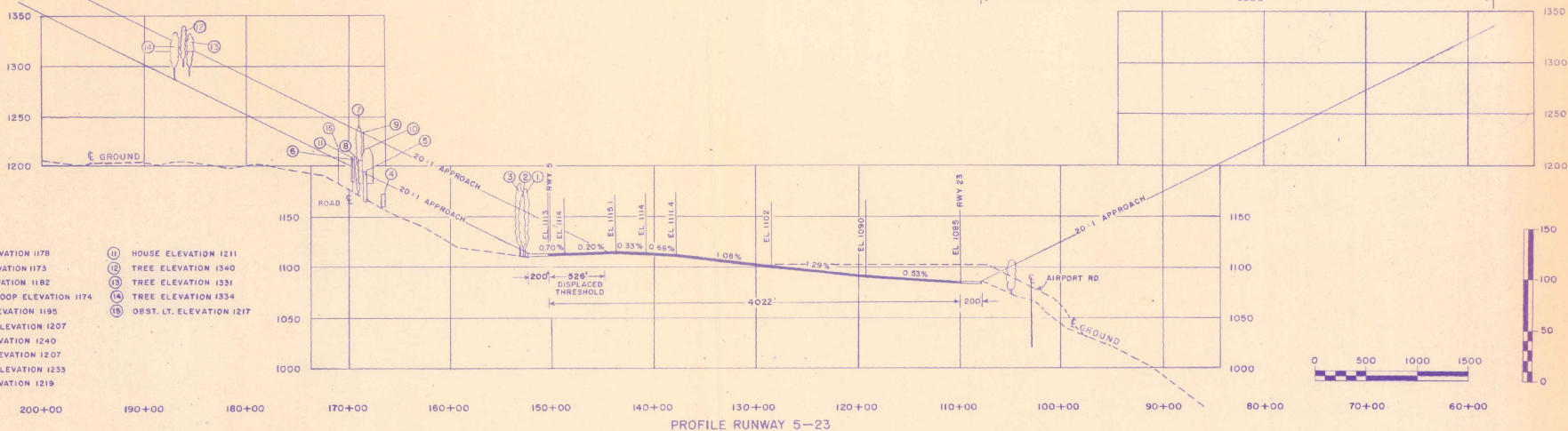


APR 6 1964

NOTE
SEE SHEET 6 OF 6 FOR LOCATION OF OTHER OBJECTS
PENETRATING THE 20:1 APPROACH BEYOND THE LIMITS OF THIS DRAWING

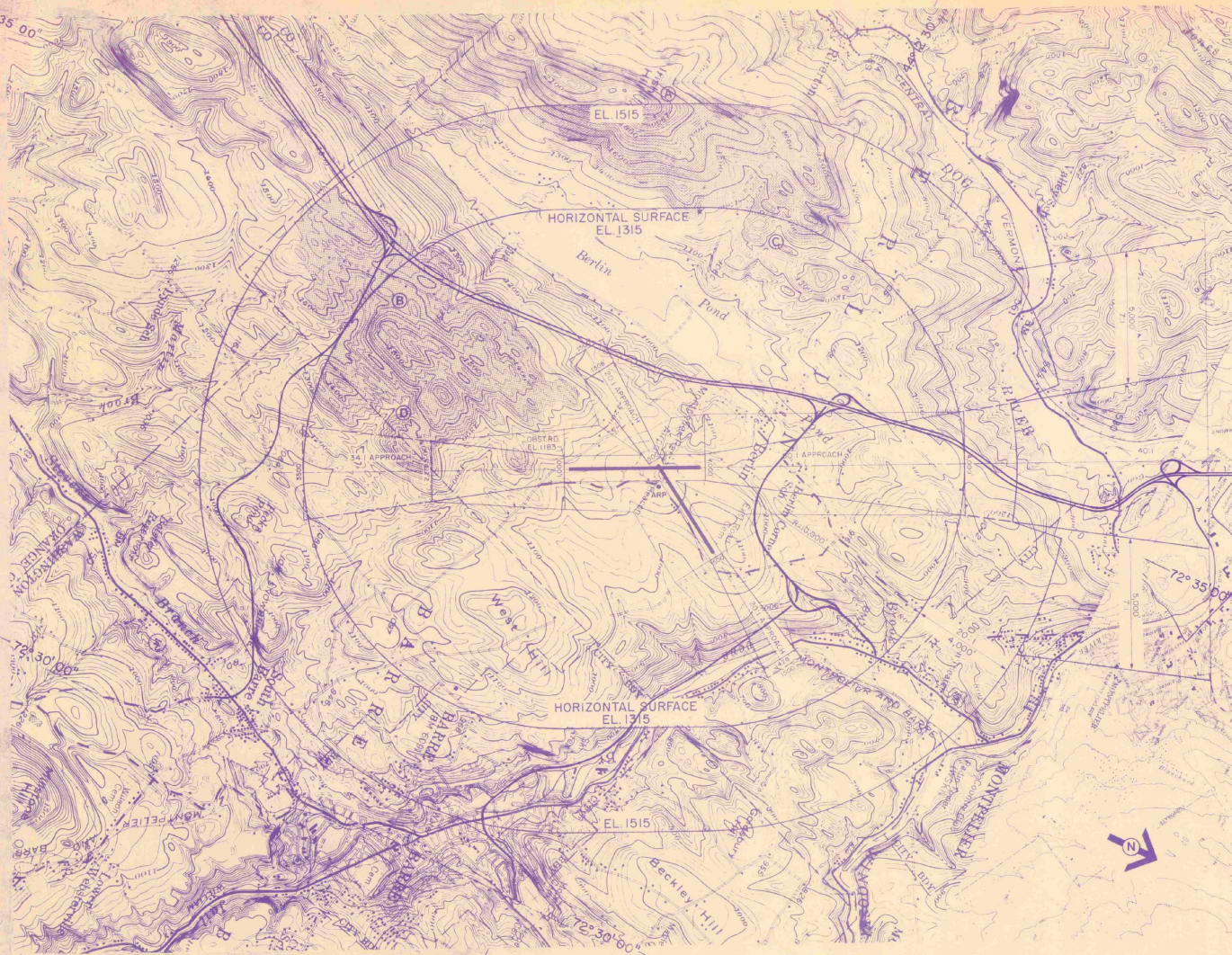


- ① TREE ELEVATION 1178
- ② TREE ELEVATION 1173
- ③ TREE ELEVATION 1182
- ④ CHICKEN COOP ELEVATION 1174
- ⑤ HOUSE ELEVATION 1195
- ⑥ OBST. LT. ELEVATION 1207
- ⑦ TREE ELEVATION 1240
- ⑧ HOUSE ELEVATION 1207
- ⑨ OBST. LT. ELEVATION 1233
- ⑩ BARN ELEVATION 1219
- ⑪ HOUSE ELEVATION 1211
- ⑫ TREE ELEVATION 1340
- ⑬ TREE ELEVATION 1231
- ⑭ TREE ELEVATION 1334
- ⑮ OBST. LT. ELEVATION 1217



- 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

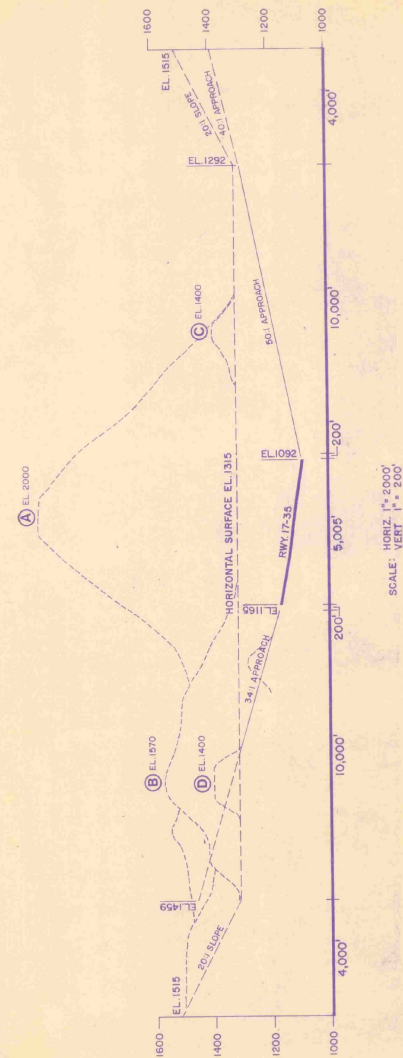
REV.				DATE				DRW. BY				CHKD. BY				APPR. BY															
VERMONT AGENCY OF TRANSPORTATION PROJECT PLANNING DIVISION MONTPELIER, VERMONT 05602																EDWARD F. KNAPP STATE AIRPORT BERLIN, VERMONT PLAN AND PROFILE RUNWAY 5-23 AND APPROACHES SCALE 1"=500' HORIZONTAL 1"=50' VERTICAL DES. BY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



 HILLS PENETRATING PART 77
 NAVIGABLE AIRSPACE

EDWARD F. KNAPP STATE AIRPORT
 AIRPORT SURFACES-PART 77
 GROUND OBSTRUCTION STUDY

SCALE: 1"=2000'



SCALE: HORIZ 1"=2000'
 VERT 1"=200'