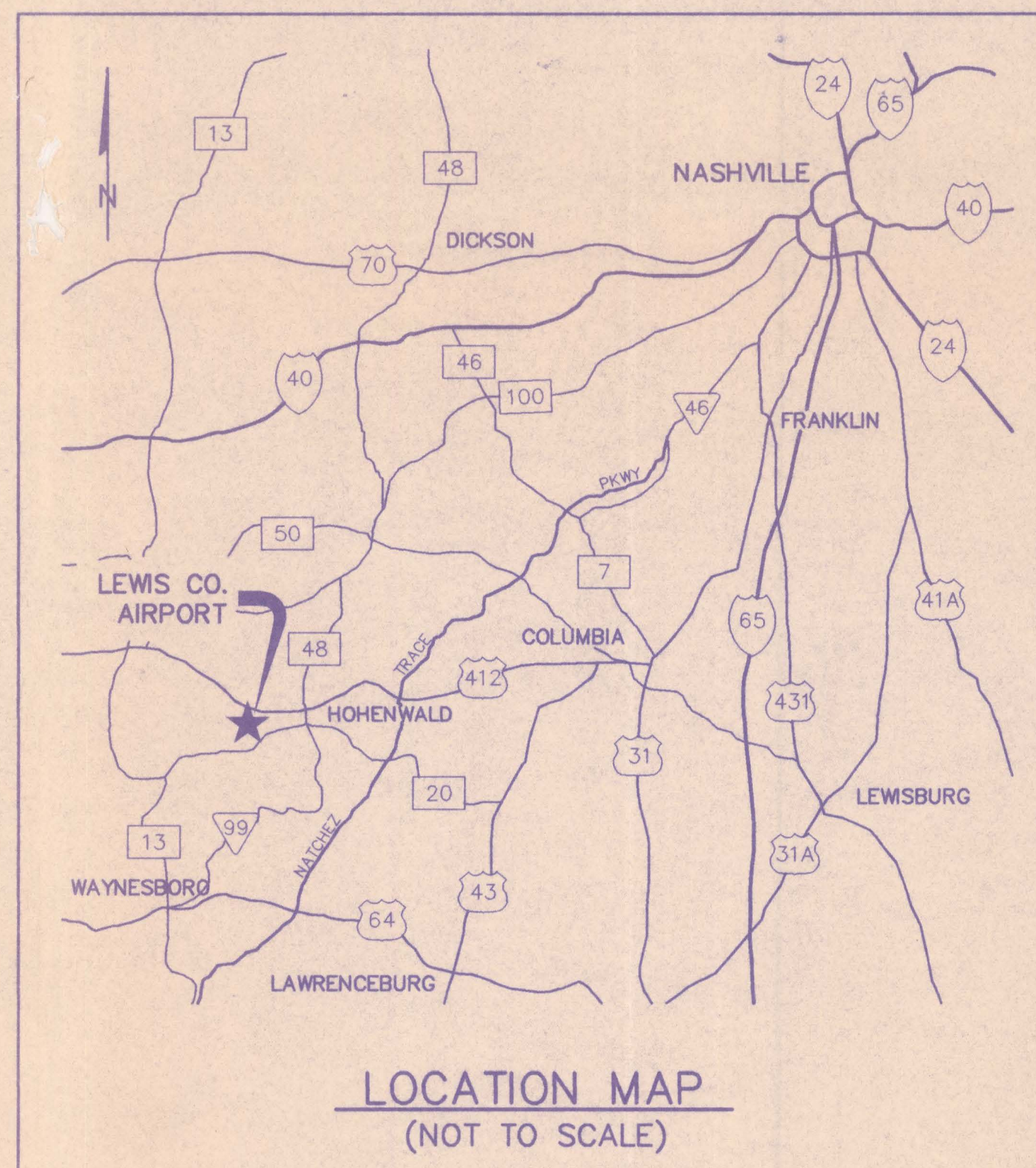


AIRPORT LAYOUT PLAN

LEWIS COUNTY AIRPORT HOHENWALD, TENNESSEE

TN PROJECT NO. 99-555-0274-04



INDEX OF DRAWINGS

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3. AIRSPACE PLAN
4. APPROACH PROFILE PLAN

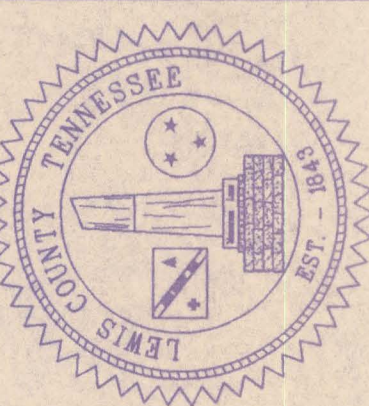
**TENNESSEE DEPARTMENT OF TRANSPORTATION
AERONAUTICS DIVISION
AND
FEDERAL AVIATION ADMINISTRATION**

ALL APPROVAL BLOCK

TENNESSEE DEPT. OF TRANSPORTATION
AERONAUTICS DIVISION

BY: WILLIAM J. HALL, P.E., CHIEF ENGINEER
LEWIS COUNTY AIRPORT

FEDERAL AVIATION ADMINISTRATION

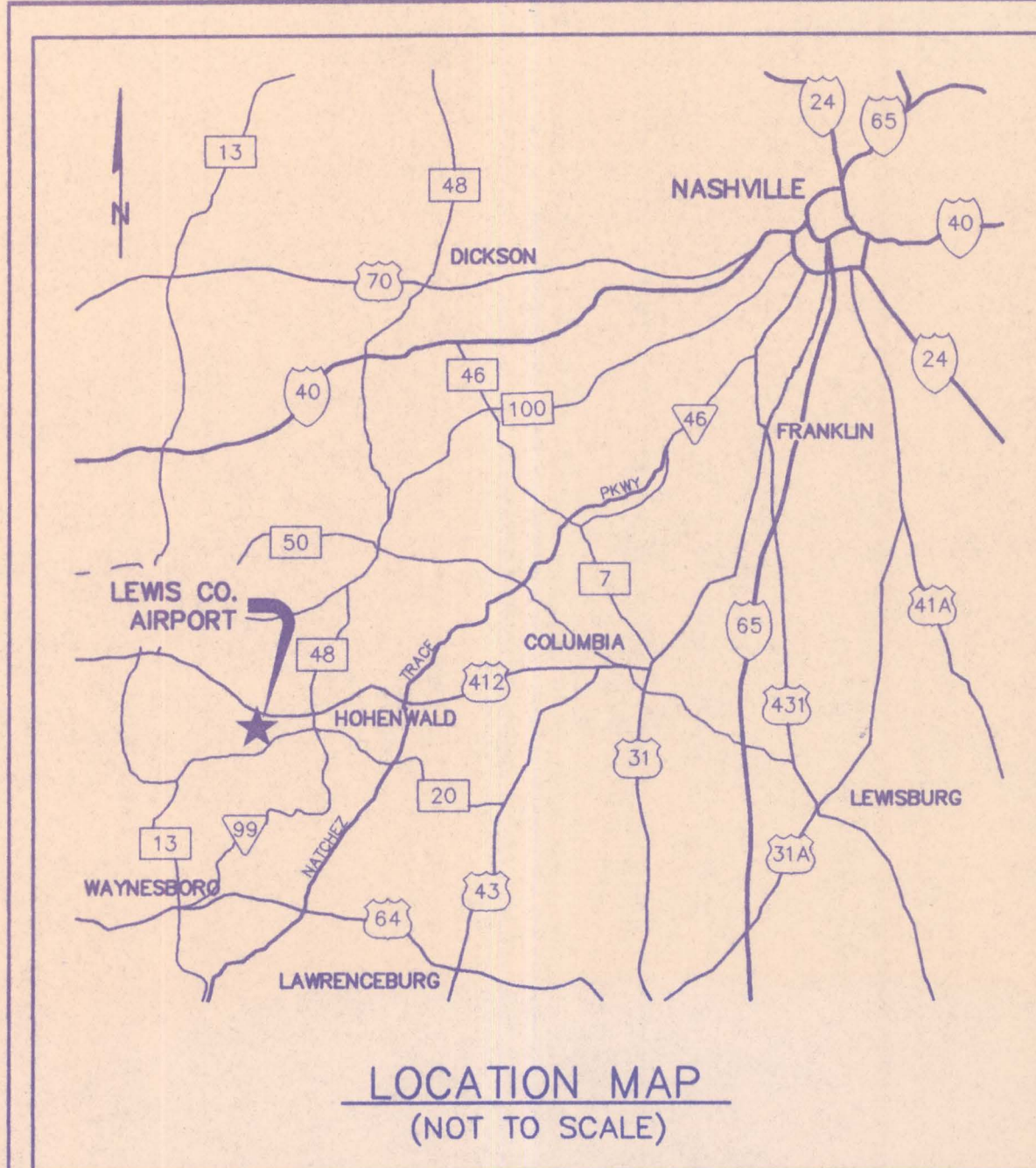


TITLE SHEET

LEWIS COUNTY AIRPORT
HOHENWALD, TENNESSEE

EHS
Espey, Huston & Associates, Inc.
Engineering & Environmental Consultants

PLANNING & PROGRAMMING
OFFICIAL COPY



RUNWAY DATA 2/20			
	EXISTING	PROPOSED	
AIRPORT REFERENCE CODE	B-II	B-II	
INSTRUMENT RUNWAY	NONE	2	
APPROACH SLOPE	20:1/20:1	34:1/20:1	
MARKINGS	NPI	NPI	
LIGHTING	LJRL	MIRL	
APPROACH AIDS	VASI	GVGI	
RUNWAY LENGTH	4000'	4000'	
RUNWAY WIDTH	75'	75'	
RUNWAY BEARING (TRUE)	18°36'14"/198°36'14"	SAME	
% WIND COVERAGE (16 KNOTS)	99.6%	SAME	
EFFECTIVE GRADIENT	0.005	SAME	
PAVEMENT CONSTRUCTION	ASPHALT	SAME	
PAVEMENT STRENGTH (LBS.)	28,000 D.W.L.	SAME	
CRITICAL AIRCRAFT	BEECH SUPER KING AIR 200	SAME	
RUNWAY END COORDINATES (NAD 83)	RWY 2	35°32'26.65"N 87°35'57.71"W	SAME
	RWY 20	35°33'04.35"N 87°35'43.02"W	SAME
	RWY 20	35°32'59.65"N 87°35'44.96"W	35°32'55.43"N 87°35'46.71"W
DISPLACED THRESHOLD COORDINATES (NAD 83)			

CLEARANCES	
NO.	CLEARANCE
C1	1.6'
C2	0.4'
C3	6.6'
C4	1.4'
C5	1.2'

ELEVATIONS	
NO.	ELEVATION
EL1	1001.0
EL2	977.2
EL3	998.4
EL4	988.7
EL5	998.4

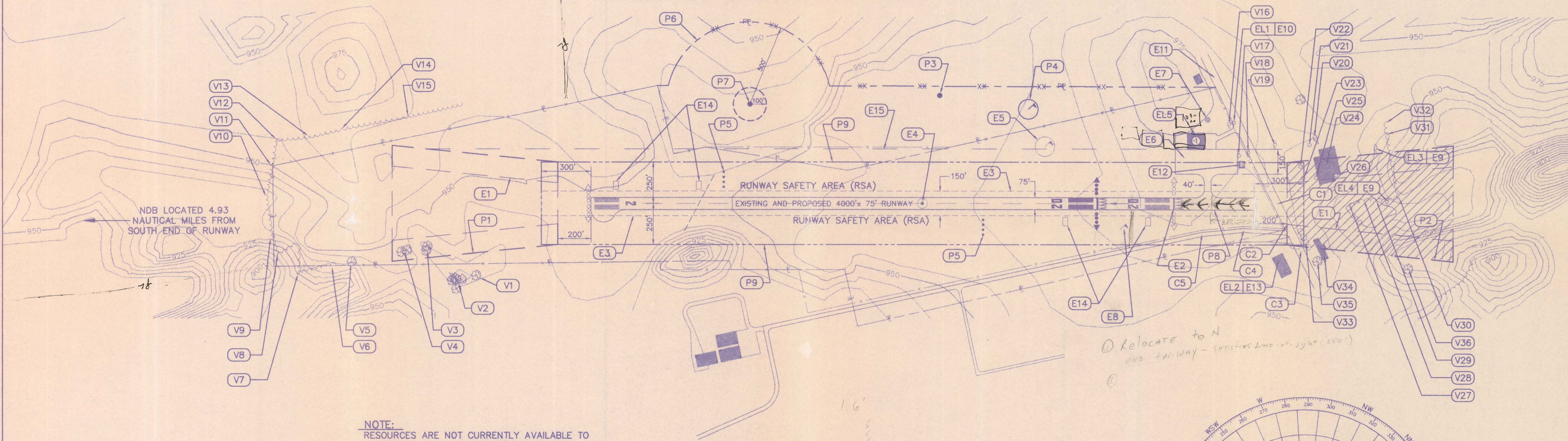
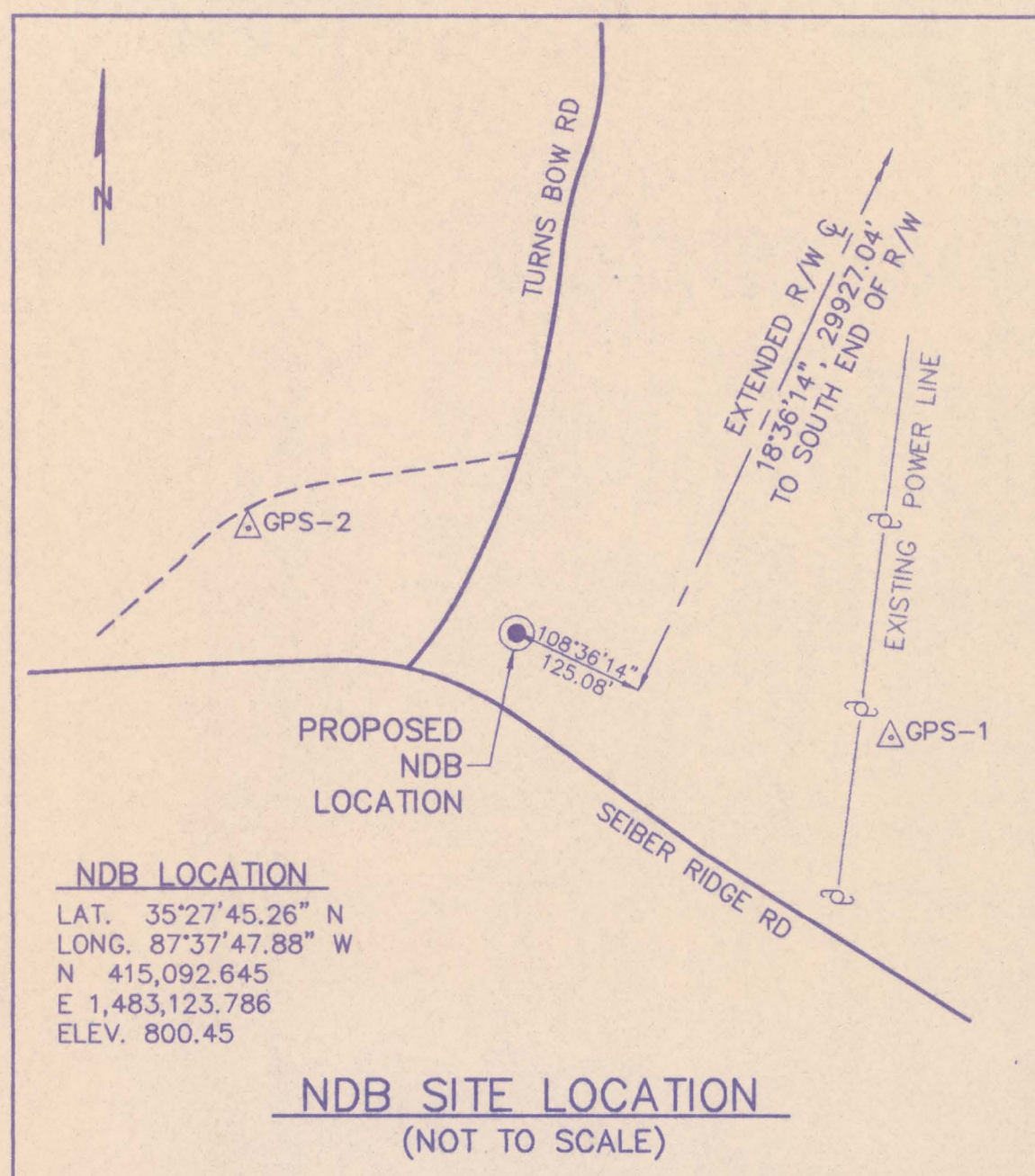
EXISTING	
NO.	FEATURE
E1	VISUAL RUNWAY PROTECTION ZONE (RPZ), APPROACH SLOPE 20:1
E2	THRESHOLD DISPLACED 500'
E3	RUNWAY SAFETY AREA (RSA)
E4	ARP
E5	WINDSOCK & SEGMENTED CIRCLE - TO BE RELOCATED
E6	APRON PARKING
E7	ROTATING BEACON - 10"
E8	WINDSOCK - TO BE REMOVED
E9	POWER POLE
E10	LIGHT POLE
E11	US HWY 412
E12	UNDERGROUND FUEL TANK
E13	BUILDING
E14	VASI (VISUAL APPROACH SLOPE INDICATOR) TO BE REPLACED BY GVGI
E15	BRL (BUILDING RESTRICTION LINE)

RUNWAY PROTECTION ZONE DIMENSIONS			
RWY END	EXISTING		PROPOSED
2	1000'L x 250'IW x 450'OW		1000'L x 500'IW x 700'OW
20	1000'L x 250'IW x 450'OW		1000'L x 500'IW x 700'OW
RUNWAY SAFETY AREA DIMENSIONS			
RUNWAY	EXISTING		PROPOSED
2	150'W x 300' BEYOND END OF RUNWAY		SAME
20	150'W x 300' BEYOND END OF RUNWAY		SAME

PROPOSED	
NO.	FEATURE
P1	INSTRUMENT RPZ, PLANNED APPROACH MINIMUMS NOT LOWER THAN 1 MILE, APPROACH SLOPE 34:1
P2	VISUAL RPZ, APPROACH SLOPE 20:1 (SEE NOTE)
P3	ROTATING BEACON - 36"
P4	LIGHTED WINDSOCK & SEGMENTED CIRCLE
P5	GVGI (GENERIC VISUAL GLIDESLOPE INDICATOR)
P6	PROPERTY LINE
P7	AWOS (AUTOMATED WEATHER OBSERVING SYSTEM)
P8	THRESHOLD DISPLACED 950'
P9	RUNWAY OBJECT FREE AREA (OFA) AND BRL COINCIDE

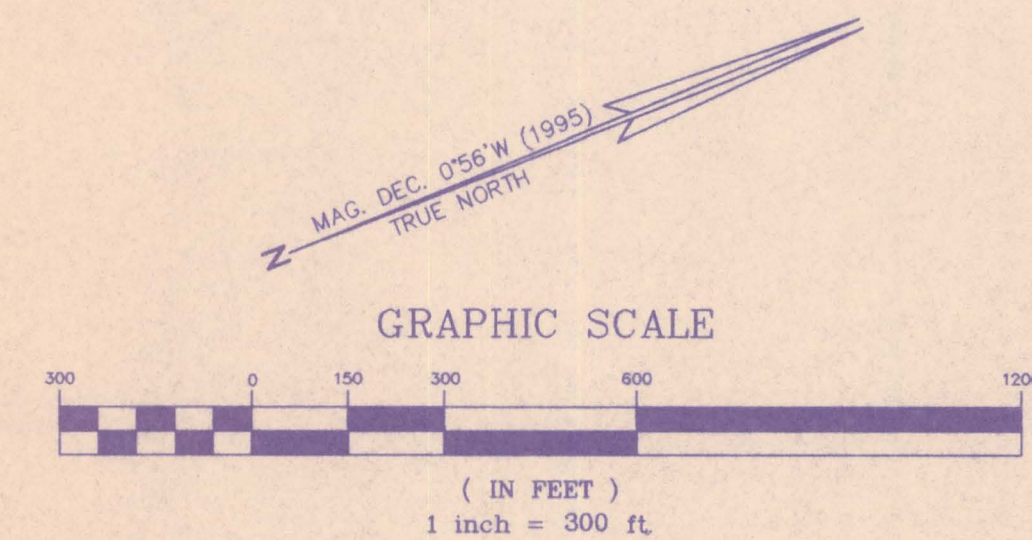
BUILDING DATA	
NO.	STRUCTURE
1	EXISTING 100'x100' HANGAR

AIRPORT DATA		
	EXISTING	PROPOSED
AIRPORT REFERENCE POINT COORD. (NAD 83)	35°32'45.58"N 87°35'50.79"W	SAME
MEAN MAX. TEMP. HOTTEST MONTH	95°F	95°F
AIRPORT ELEVATION	975'	SAME
NAVIGATIONAL AIDS	NONE	NDB

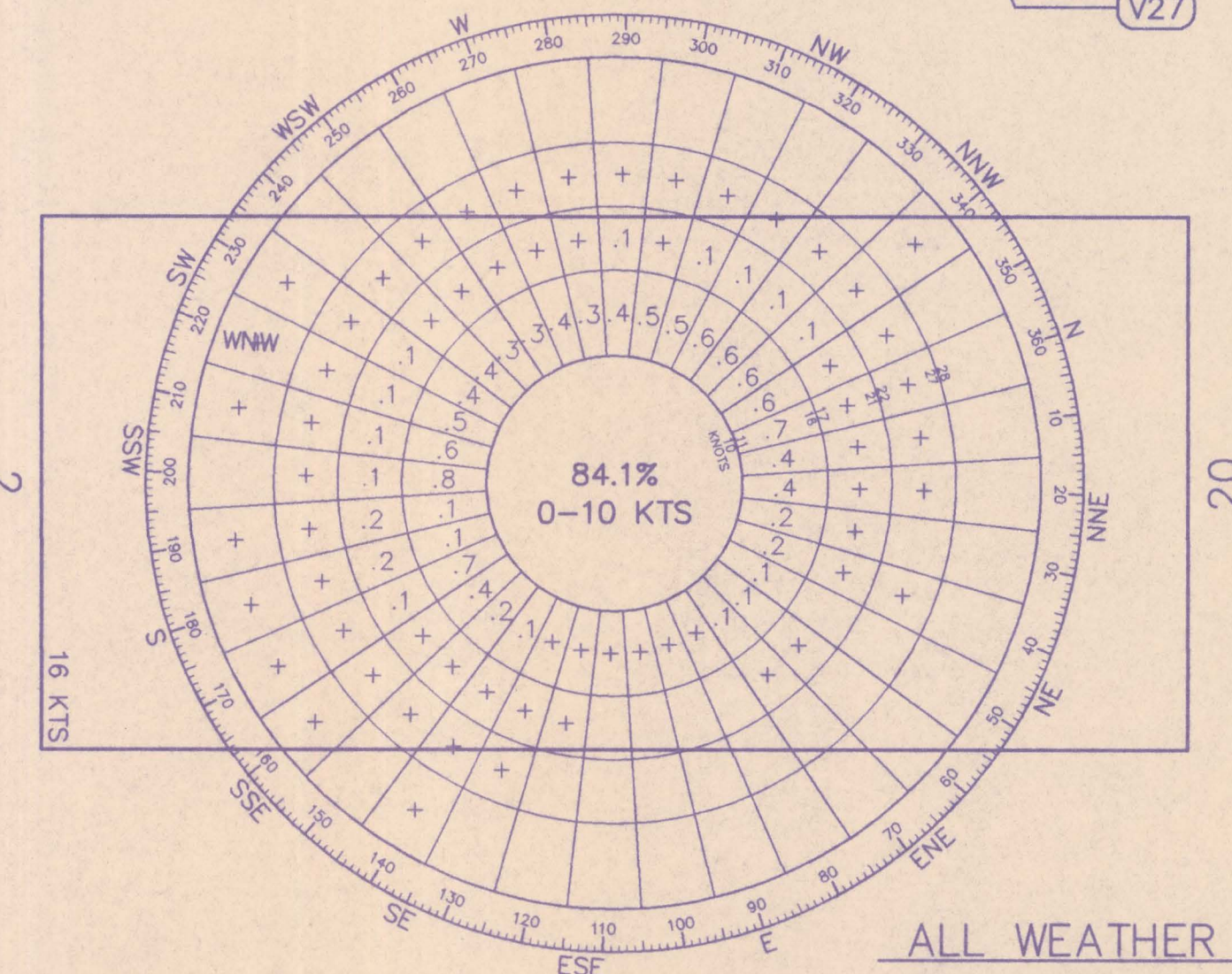


NOTE:
RESOURCES ARE NOT CURRENTLY AVAILABLE TO CONSTRUCT THE STANDARD RUNWAY SAFETY AREA (RSA) AS SHOWN. IF A FUTURE PROJECT IS PROPOSED TO IMPROVE THE RSA TO A CONDITION WHICH WOULD BE LESS THAN THE STANDARD SHOWN, THEN A REQUEST FOR MODIFICATION OF STANDARDS MUST BE SUBMITTED TO THE FAA FOR APPROVAL PRIOR TO PROJECT APPROVAL.

VIOLATIONS TO FAR PART 77 SURFACES											
EXISTING PART 77	PROPOSED PART 77	DESCRIPTION	ELEVATION	VIOLATION	PROPOSED DISPOSITION	EXISTING PART 77	PROPOSED PART 77	DESCRIPTION	ELEVATION	VIOLATION	PROPOSED DISPOSITION
V1	V1	TREE	987.7	8.2'	TO BE TRIMMED	V19	V19	POWER POLE	995.9	13.1'	MITIGATED BY THRESHOLD SITING SURFACE
V2	V2	TREES	1009.6	25.9'	TO BE TRIMMED	V20	V20	POWER POLE	999.0	3.1'	MITIGATED BY THRESHOLD SITING SURFACE
V3	V3	TREES	990.9	18.0'	TO BE REMOVED	V21	V21	LIGHT POLE	995.9	8.4'	MITIGATED BY THRESHOLD SITING SURFACE
V4	V4	TREES	993.6	16.5'	TO BE REMOVED	V22	V22	LIGHT POLE	994.4	22.9'	MITIGATED BY THRESHOLD SITING SURFACE
V5	V5	TREE	994.6	8.6'	TO BE REMOVED	V23	V23	LIGHT POLE	994.2	21.9'	MITIGATED BY THRESHOLD SITING SURFACE
V6	V6	TREES	1004.9	16.0'	TO BE REMOVED	V24	V24	BUILDING	990.2	13.5'	MITIGATED BY THRESHOLD SITING SURFACE
V7	V7	TREES	1010.6	14.9'	TO BE TRIMMED	V25	V25	FLAG POLE	993.6	17.3'	MITIGATED BY THRESHOLD SITING SURFACE
V8	V8	TREES	1004.3	5.0'	TO BE REMOVED	V26	V26	ANTENNA	1006.5	24.3'	MITIGATED BY THRESHOLD SITING SURFACE
V9	V9	TREES	1000.8	0.3'	TO BE TRIMMED	V27	V27	TREES	1021.2	35.2'	TO BE TRIMMED
V10	V10	TREES	1012.5	11.1'	TO BE TRIMMED	V28	V28	TREES	1025.0	34.3'	TO BE TRIMMED
V11	V11	TREES	1009.8	9.4'	TO BE TRIMMED	V29	V29	TREES	1027.9	33.4'	TO BE TRIMMED
V12	V12	TREES	1014.4	15.0'	TO BE TRIMMED	V30	V30	TREES	1026.0	24.6'	TO BE TRIMMED
V13	V13	TREES	1016.3	22.7'	TO BE TRIMMED	V31	V31	TREES	1019.5	5.8'	MITIGATED BY THRESHOLD SITING SURFACE
V14	V14	TREES	1022.6	33.3'	TO BE TRIMMED	V32	V32	TREES	1027.7	3.4'	MITIGATED BY THRESHOLD SITING SURFACE
V15	V15	TREES	1013.6	17.0'	TO BE TRIMMED	V33	V33	TREES	997.7	24.8'	MITIGATED BY THRESHOLD SITING SURFACE
V16	V16	POWER POLE	1004.1	2.4'	MITIGATED BY THRESHOLD SITING SURFACE	V34	V34	HOUSE	982.0	6.3'	MITIGATED BY THRESHOLD SITING SURFACE
V17	V17	LIGHT POLE	990.7	16.5'	MITIGATED BY THRESHOLD SITING SURFACE	V35	V35	TREE	1002.9	15.2'	MITIGATED BY THRESHOLD SITING SURFACE
V18	V18	POWER POLE	996.2	19.9'	MITIGATED BY THRESHOLD SITING SURFACE	V36	V36	TREE	1013.7	0.1'	MITIGATED BY THRESHOLD SITING SURFACE



LEGEND		
FEATURE	EXISTING	PROPOSED
GRADE CONTOURS	---	---
AIRPORT PROPERTY LINE	---	---
FENCE LINE	---	---
THRESHOLD LIGHTS	ooo ooo	ooo ooo
REIL	△	△
VASI	□	N/A
GVGI	N/A	---
PROPOSED AVIGATION EASEMENT ACQUISITION	N/A	---



SOURCE: National Climatic Data Center
Nashville, Tennessee
STATION: Nashville International Airport
PERIOD: Jan. 1981 - Dec. 1993
OBSERVATIONS: 87,622
COVERAGE: 99.6% for 16 KNOTS

ALP APPROVAL BLOCK

APPROVAL

DATE

BY

CONSTRUCTION NOTICE REQUIREMENT

TO PROTECT OPERATIONAL SAFETY AND FUTURE DEVELOPMENT, ALL PROPOSED CONSTRUCTION ON THE AIRPORT MUST BE COORDINATED BY THE AIRPORT OWNER WITH THE FAA AIRPORTS DISTRICT OFFICE PRIOR TO CONSTRUCTION. FAA'S REVIEW TAKES APPROXIMATELY 60 DAYS.

AIRPORT LAYOUT PLAN

LEWIS COUNTY AIRPORT

HOHENWALD, TENNESSEE

Espey, Huston & Associates, Inc.

Engineering & Environmental Consultants

DESIGNED: DEG

DATE: 09/09/96

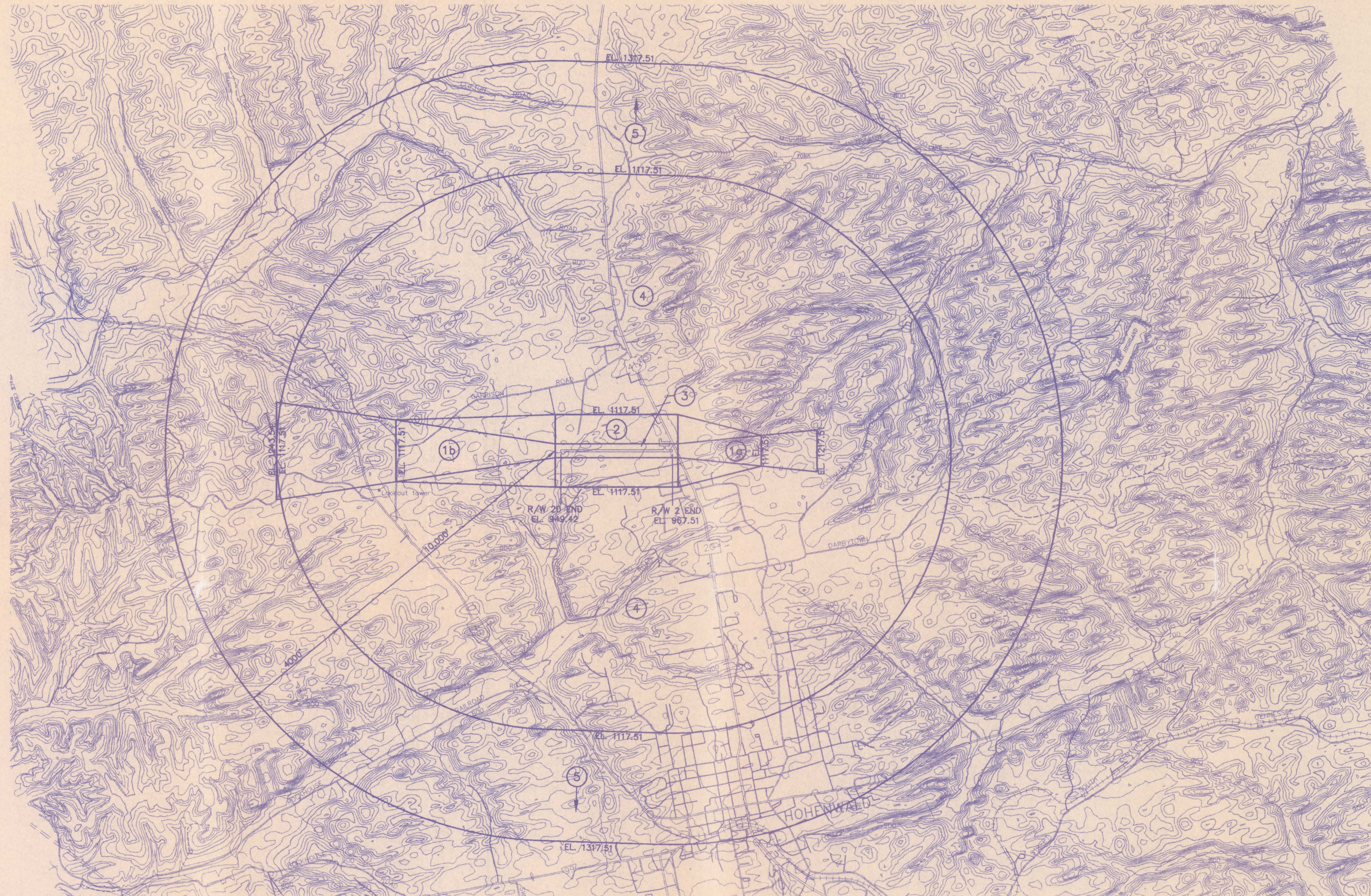
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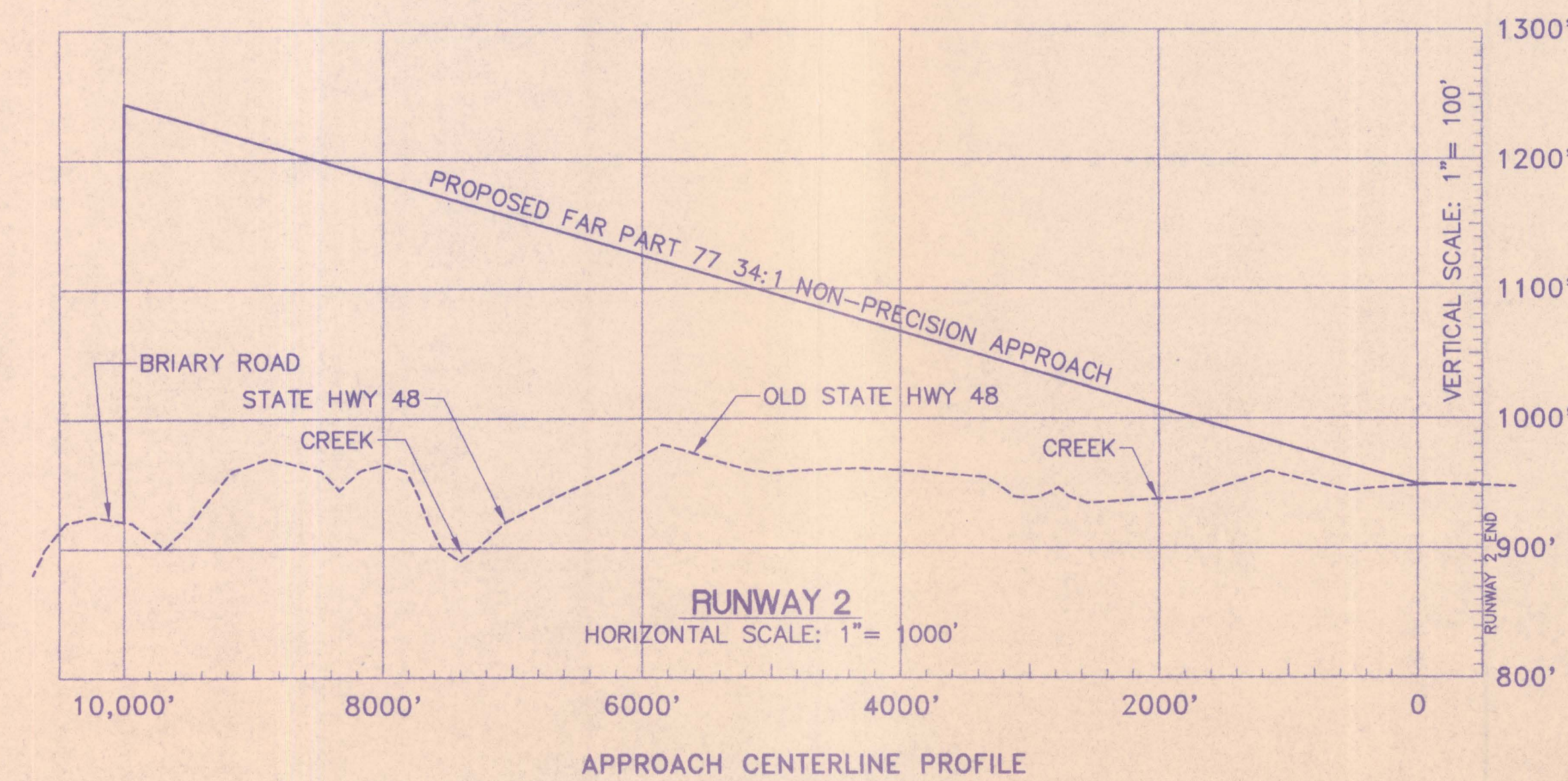
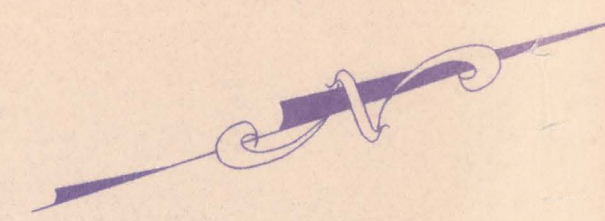
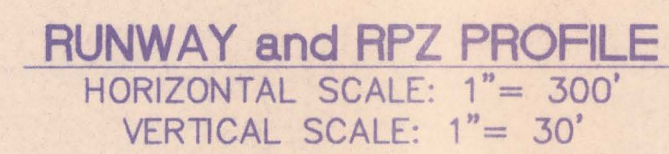
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SCALE: 1" = 300'

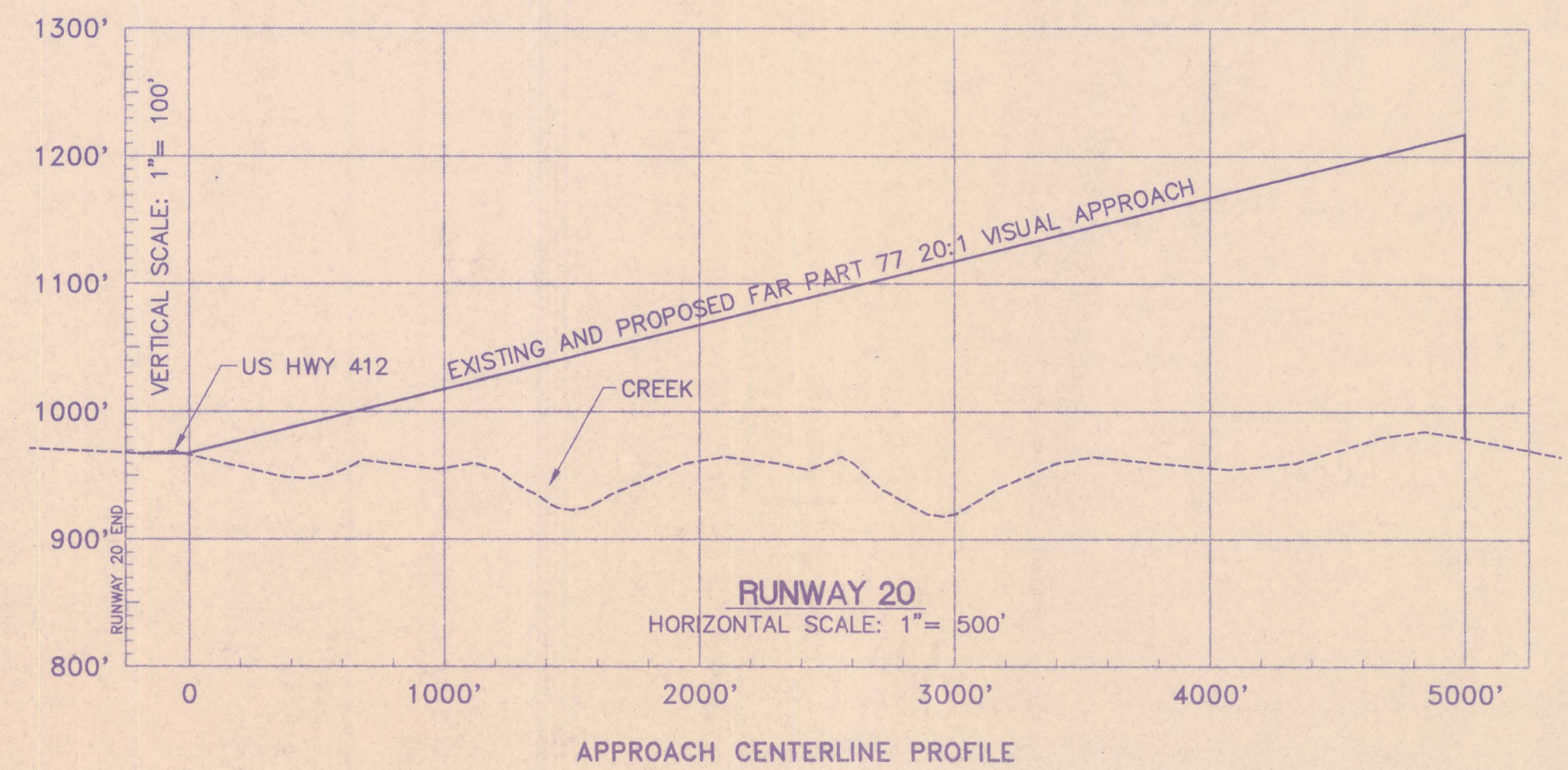
JOB NO.: 16123

2 OF 4





- NOTES:
1. SEE ALP FOR DETAILED OBSTRUCTION INFORMATION
2. PENETRATIONS OF THE FAR PART 77 SURFACES AND OBSTRUCTIONS IN THE RUNWAY PROTECTION ZONE FOR RUNWAY 20 ARE MITIGATED BY DISPLACEMENT OF THE RUNWAY THRESHOLD AND APPLICATION OF THRESHOLD SITING REQUIREMENTS DEFINED IN FAA ADVISORY CIRCULAR 150/5300-13 APPENDIX 2.



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APPROACH PROFILE PLAN

LEWIS COUNTY AIRPORT

HOHENWALD TENNESSEE

EHS
Espey,
Huston &
Associates, Inc.
Engineering & Environmental Consultants

DESIGNED:	DEG	DATE:	09/09/96
DRAWN:	RMG		
CHECKED:		SCALE:	AS SHOWN