HOLBROOK
MUNICIPAL AIRPORT

Appendix E
AIRPORT LAYOUT PLANS

AIRPORT LAYOUT PLANS
FOR
HOLBROOK MUNICIPAL AIRPORT
HOLBROOK, ARIZONA

Prepared for the

City of
Holbrook, Arizona

INDEX OF DRAWINGS

1. AIRPORT LAYOUT PLAN
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4. INNER PORTION OF RUNWAY 3 APPROACH SURFACE DRAWING
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6. INNER PORTION OF RUNWAY 11 APPROACH SURFACE DRAWING
7. INNER PORTION OF RUNWAY 29 APPROACH SURFACE DRAWING
8. TERMINAL AREA DRAWING
9. ON-AIRPORT LAND USE DRAWING
10. AIRPORT PROPERTY MAP

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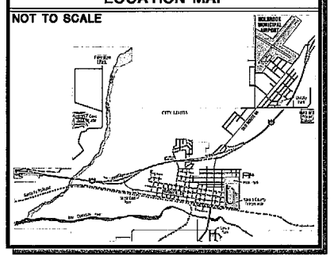
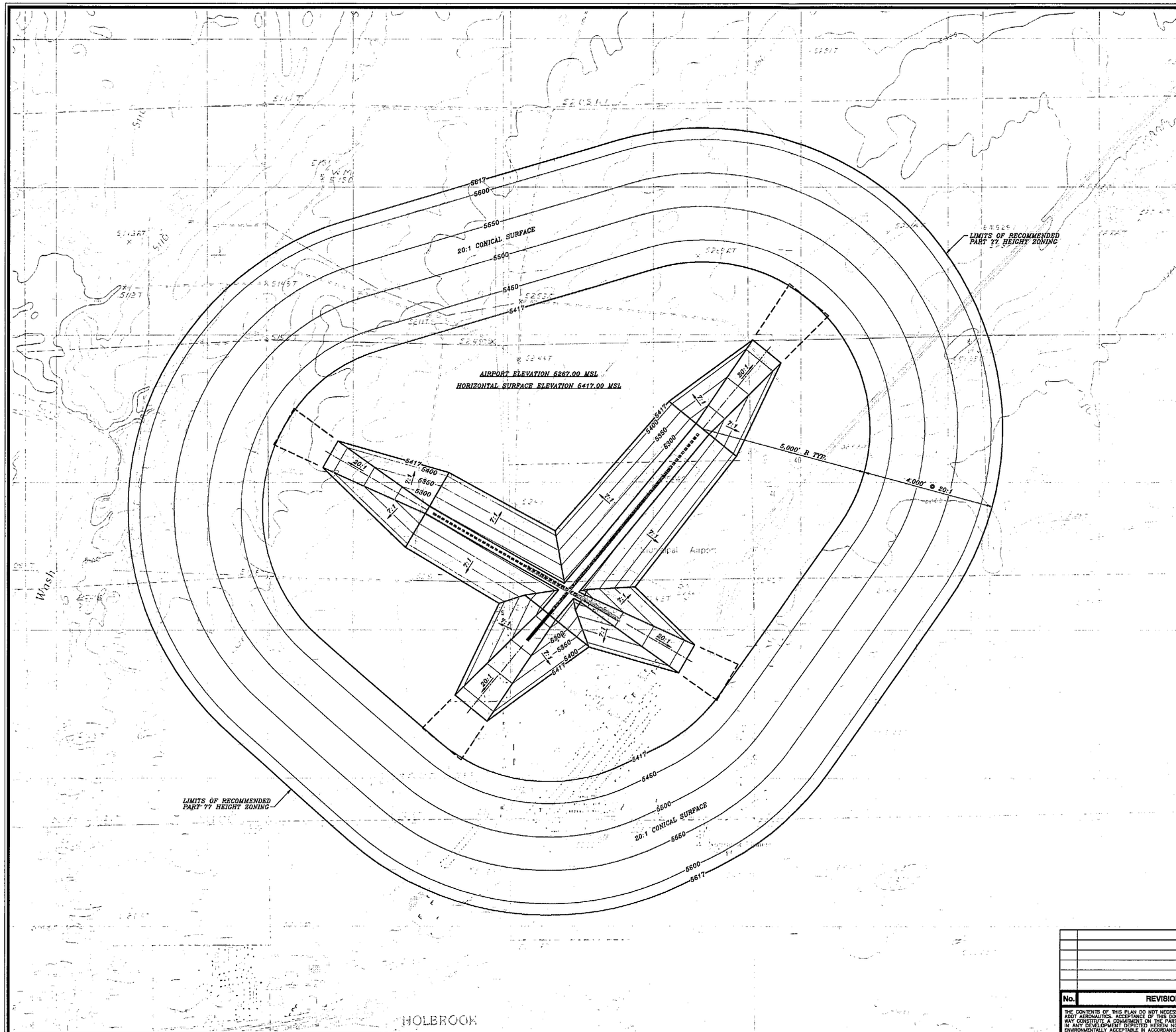
LOCATION MAP

NOT TO SCALE


HOLBROOK MUNICIPAL AIRPORT
CITY LIMITS
PINE AVE
HWY 77
BUSINESS 77
BNSF RAILROAD
HWY 180
HWY 180A
HWY 180B
HWY 180B
HWY 180A
HWY 180
HWY 180
HWY 180



OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE					

GENERAL NOTES:

1. Obstructions, clearances, and locations are calculated from ultimate runway end elevations and ultimate approach surfaces, unless otherwise noted.
2. Distance for road obstructions and clearances reflect a safety clearance of 15' for noninterstate roads, 17' for interstate roads, and 23' for railroads.
3. Depiction of features and objects within the outer portion of the approach surfaces, is illustrated on the RUNWAY APPROACH ZONES PROFILES, sheet 3 of these plans.
4. Depiction of features and objects within the inner portion of the approach surfaces, is illustrated on the INNER PORTION OF RUNWAY APPROACH SURFACE DRAWING, sheets 4, 5, 6 and 7 of these plans.
5. Existing and future height and hazard ordinances are to be amended and/or referenced upon approval of updated PART 77 AIRSPACE PLAN.
6. Base Map Source: Holbrook and Sun Valley USGS maps.

NORTH

0 1500 3000
SCALE IN FEET

No.	REVISIONS	DATE	BY	APP'D.

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Holbrook Municipal Airport

AIRPORT AIRSPACE DRAWING

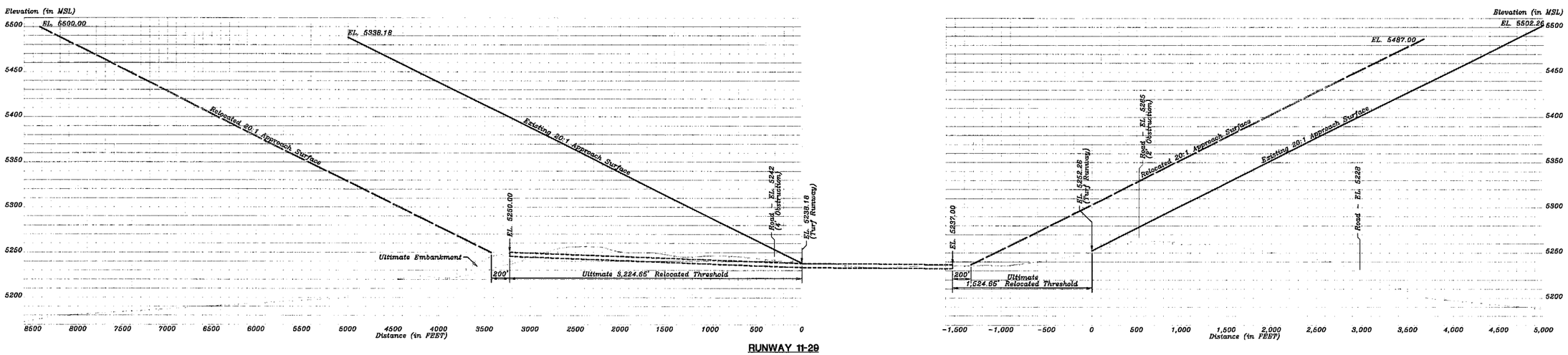
Holbrook, Arizona

PLANNED BY: Chris M. Hugunin
DETAILED BY: Richard A. Lally
APPROVED BY: Chris M. Hugunin

June 27, 2000 SHEET 2 OF 10

Coffman Associates
Airport Consultants
www.coffmanassociates.com

RUNWAY 3-21



RUNWAY 11-29

0 60 120
VERTICAL SCALE IN FEET

0 600 1200
HORIZONTAL SCALE IN FEET

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RUNWAY 3-21 OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE					

RUNWAY 11-29 OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE					

No.	REVISIONS	DATE	BY	APP'D.

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Holbrook Municipal Airport

RUNWAY APPROACH ZONE PROFILES

Holbrook, Arizona

PLANNED BY: Chris M. Ruguzin
DETAILED BY: Richard A. Lally
APPROVED BY: Chris M. Ruguzin

June 27, 2000

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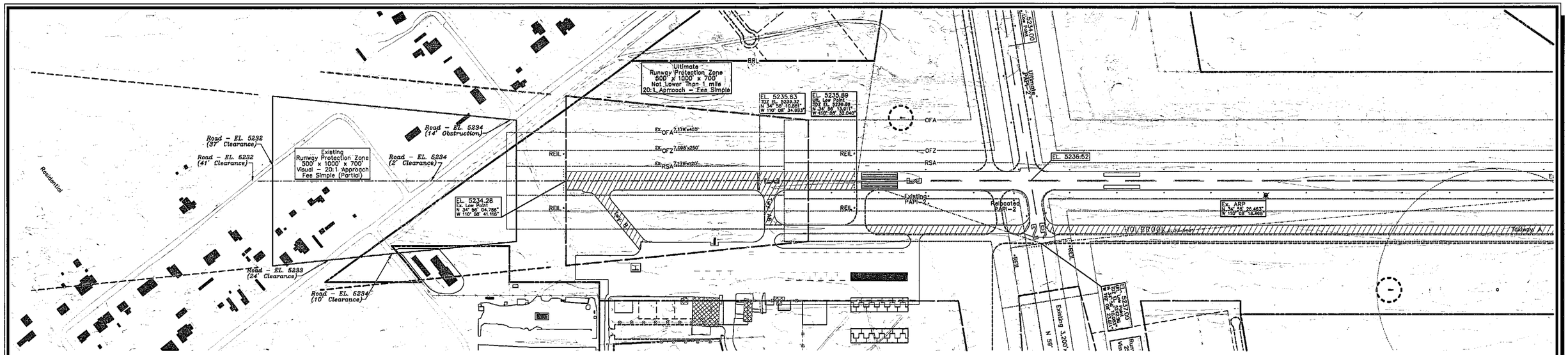

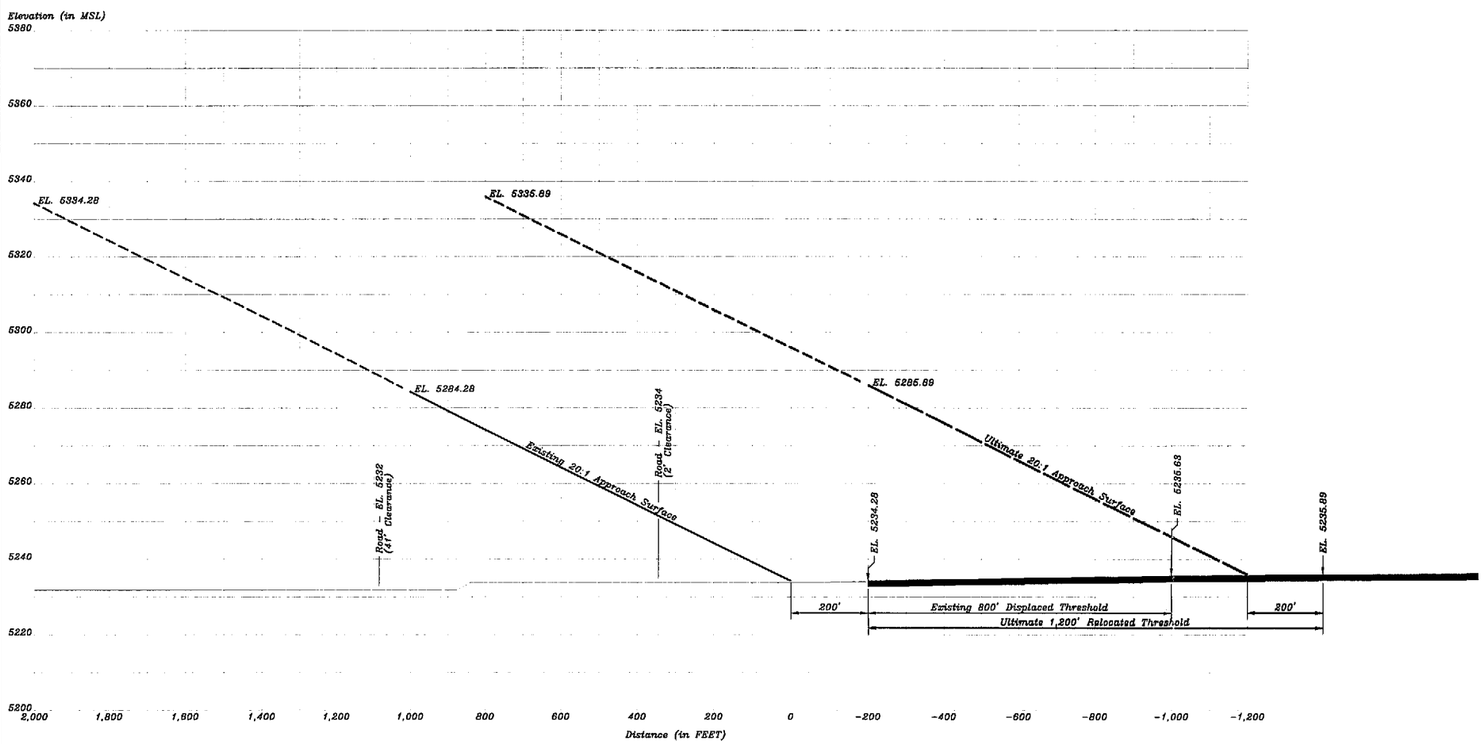

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RUNWAY 3 OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE					

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		ABANDONED/REMOVED PAVEMENT
		AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		BUILDING REMOVAL
		BUILDING CONSTRUCTION
	BRL	BUILDING RESTRICTION LINE (BRL)
		DIRT/GRAVEL ROAD
		FACILITY CONSTRUCTION
		FENCING
PAPI-2	PAPI-2	NAVIGATIONAL AID INSTALLATION
		RUNWAY EDGE LIGHTS
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
		SECTION CORNER
		SEGMENTED CIRCLE/WIND INDICATOR
		TOPOGRAPHY
		WIND INDICATOR (Lighted)

0 20 40
VERTICAL SCALE IN FEET

0 200 400
HORIZONTAL SCALE IN FEET

No.	REVISIONS	DATE	BY	APP'D.

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Holbrook Municipal Airport

INNER PORTION OF RUNWAY 3 APPROACH SURFACE DRAWING

Holbrook, Arizona

PLANNED BY: Chris M. Hugunin
DETAILED BY: Richard A. Lally
APPROVED BY: Chris M. Hugunin

June 27, 2000 SHEET 4 OF 10

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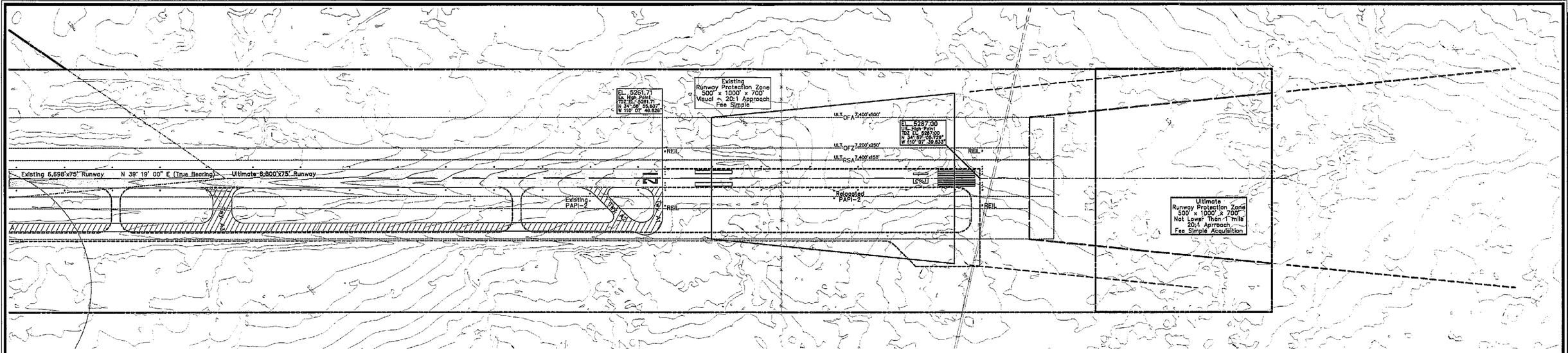

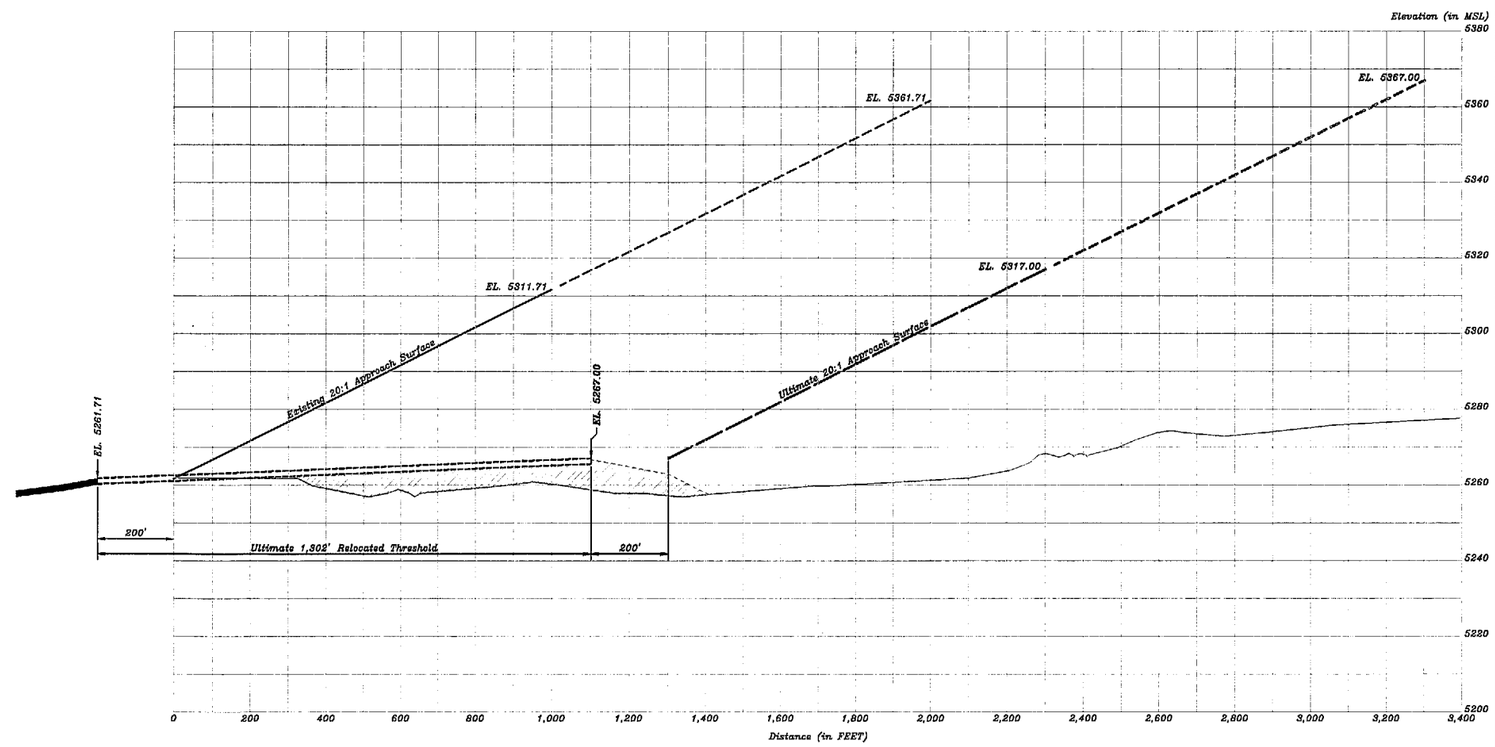

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		ABANDONED/REMOVED PAVEMENT
		AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		BUILDING REMOVAL
		BUILDING CONSTRUCTION
	BRL	*BUILDING RESTRICTION LINE (BRL)*
		DIRT/GRAVEL ROAD
		FACILITY CONSTRUCTION
		FENCING
PAPI-2	PAPI-2	*NAVIGATIONAL AID INSTALLATION*
		RUNWAY EDGE LIGHTS
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
34 T22 33		*SECTION CORNER*
		SEGMENTED CIRCLE/WIND INDICATOR
1067		*TOPOGRAPHY*
		WIND INDICATOR (Lighted)

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RUNWAY 21 OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE					

0 20 40
VERTICAL SCALE IN FEET

0 200 400
HORIZONTAL SCALE IN FEET

No.	REVISIONS	DATE	BY	APP'D.

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Holbrook Municipal Airport

INNER PORTION OF RUNWAY 21 APPROACH SURFACE DRAWING

Holbrook, Arizona

PLANNED BY: Chris M. Hugunin
DETAILED BY: Richard A. Lolly
APPROVED BY: Chris M. Hugunin

June 27, 2000 SHEET 5 OF 10

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Airport Consultants
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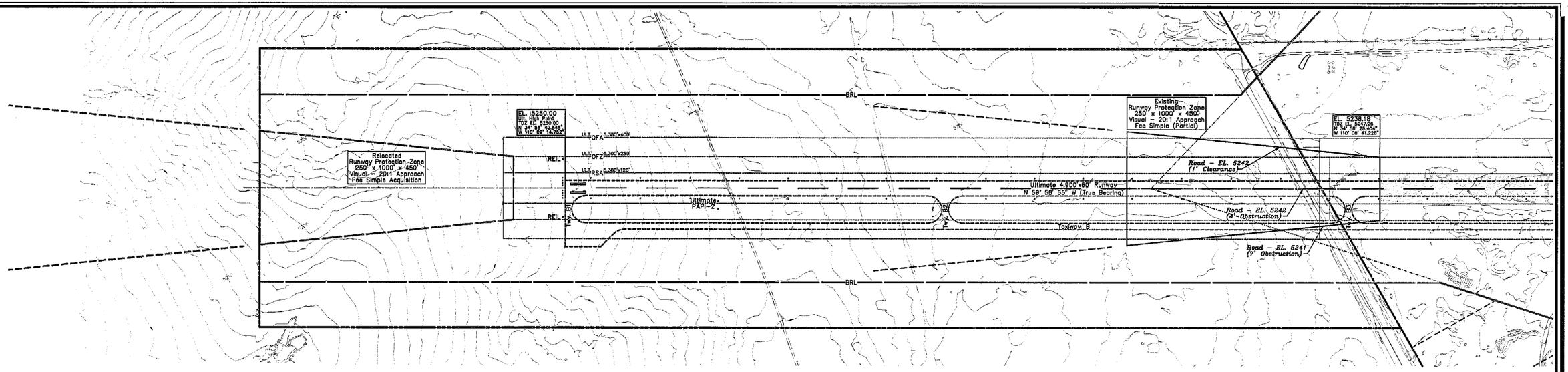

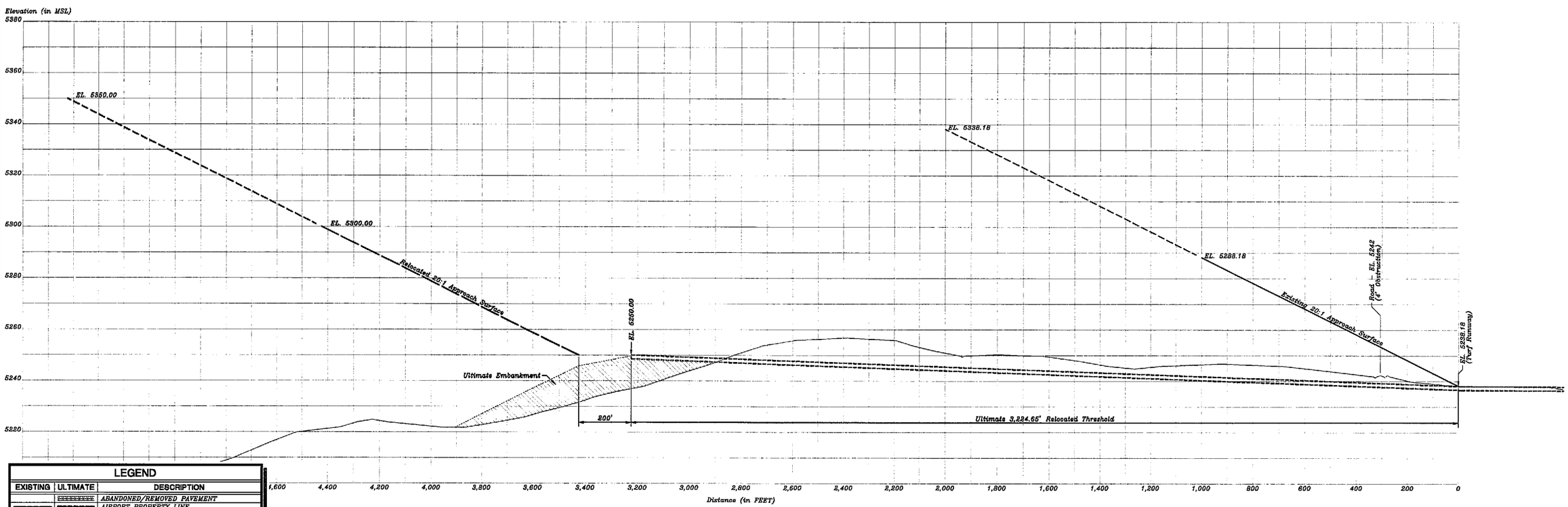

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		ABANDONED/REMOVED PAVEMENT
		AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		BUILDING REMOVAL
		BUILDING CONSTRUCTION
	BRL	BUILDING RESTRICTION LINE (BRL)
		DIRT/GRAVEL ROAD
		FACILITY CONSTRUCTION
		FENCING
PAPI-2	PAPI-2	NAVIGATIONAL AID INSTALLATION
		RUNWAY EDGE LIGHTS
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
		SECTION CORNER
		SEGMENTED CIRCLE/WIND INDICATOR
100		TOPOGRAPHY
		WIND INDICATOR (Lighted)

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RUNWAY 11 OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE					

0 20 40
VERTICAL SCALE IN FEET

0 200 400
HORIZONTAL SCALE IN FEET

No.	REVISIONS	DATE	BY	APP'D.

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Holbrook Municipal Airport

INNER PORTION OF RUNWAY 11 APPROACH SURFACE DRAWING

Holbrook, Arizona

PLANNED BY: Chris M. Hugunin
DETAILED BY: Richard A. Lally
APPROVED BY: Chris M. Hugunin

June 27, 2000

SHEET 6 OF 10

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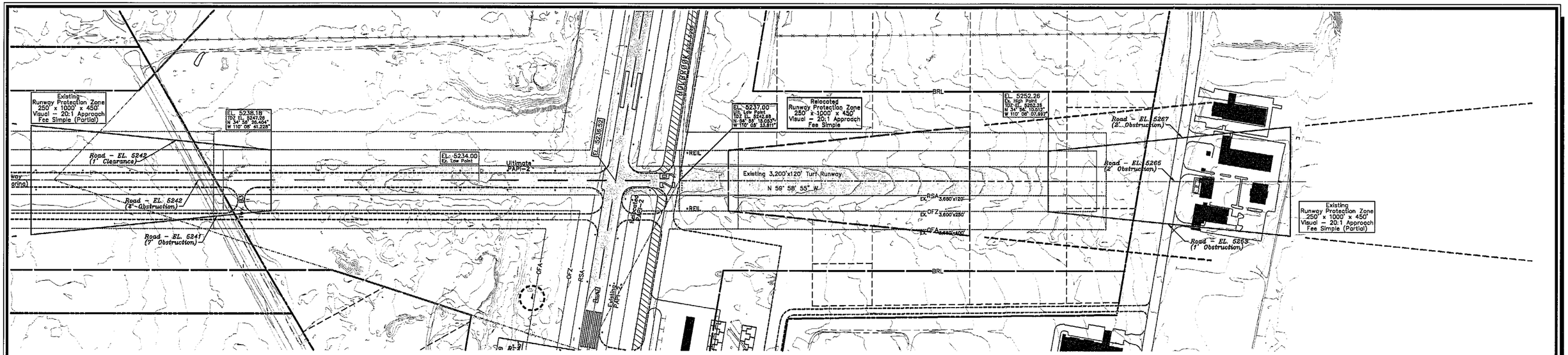

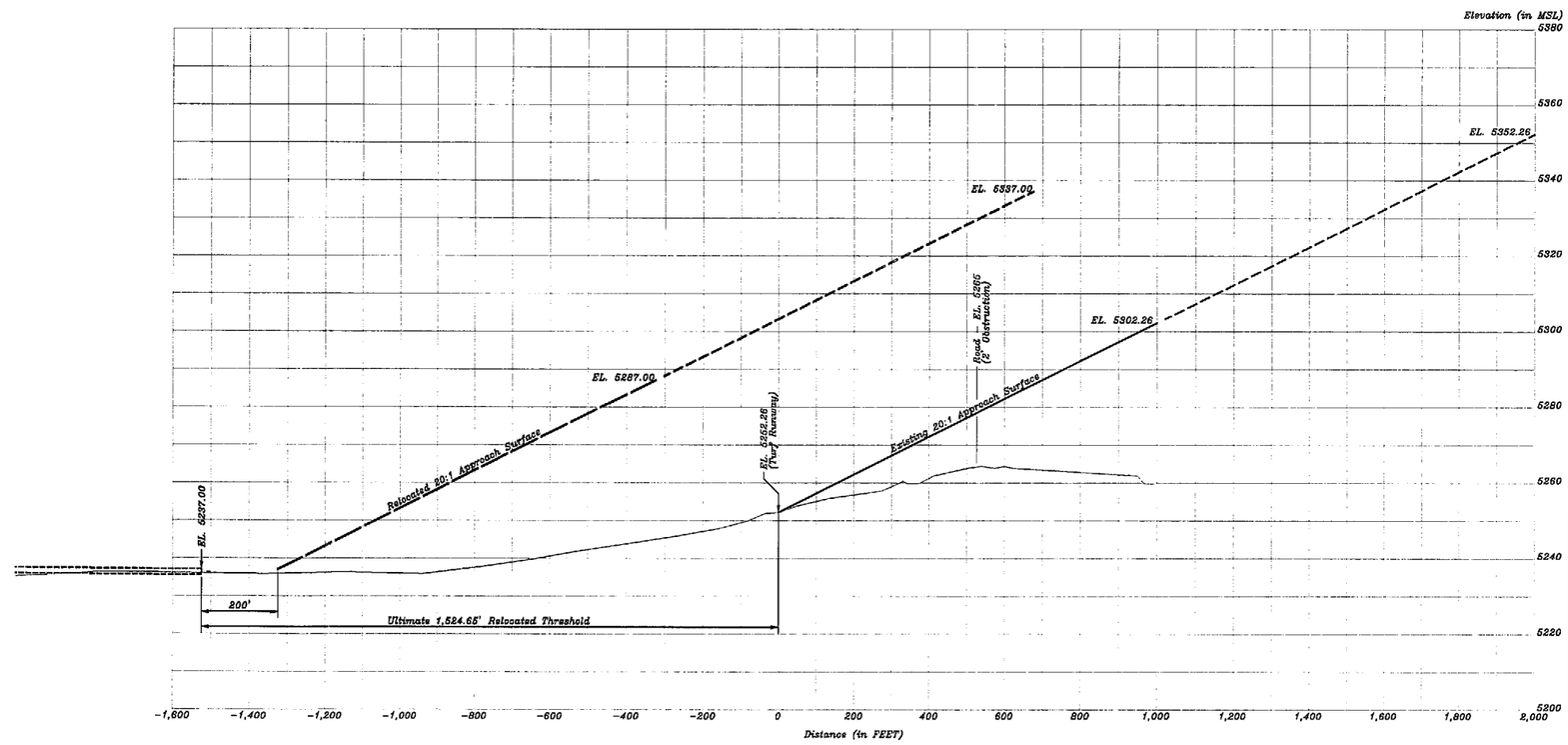

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		ABANDONED/REMOVED PAVEMENT
		AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		BUILDING REMOVAL
		BUILDING CONSTRUCTION
	BRL	BUILDING RESTRICTION LINE (BRL)
		DIRT/GRAVEL ROAD
		FACILITY CONSTRUCTION
		FENCING
PAPI-2	PAPI-2	NAVIGATIONAL AID INSTALLATION
		RUNWAY EDGE LIGHTS
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
34 TR 11		SECTION CORNER
		SEGMENTED CIRCLE/WIND INDICATOR
12C		TOPOGRAPHY
		WIND INDICATOR (Lighted)

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RUNWAY 29 OBSTRUCTION TABLE

Object Description	Object Elevation	Obstructed Part 77 Surface	Surface Elevation	Object Penetration	Proposed Object Disposition
NONE					

0 20 40
VERTICAL SCALE IN FEET

0 200 400
HORIZONTAL SCALE IN FEET

No.	REVISIONS	DATE	BY	APP'D.

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Holbrook Municipal Airport

INNER PORTION OF RUNWAY 29 APPROACH SURFACE DRAWING

Holbrook, Arizona

PLANNED BY: Chris M. Hugunin
DETAILED BY: Richard A. Lally
APPROVED BY: Chris M. Hugunin

June 27, 2000

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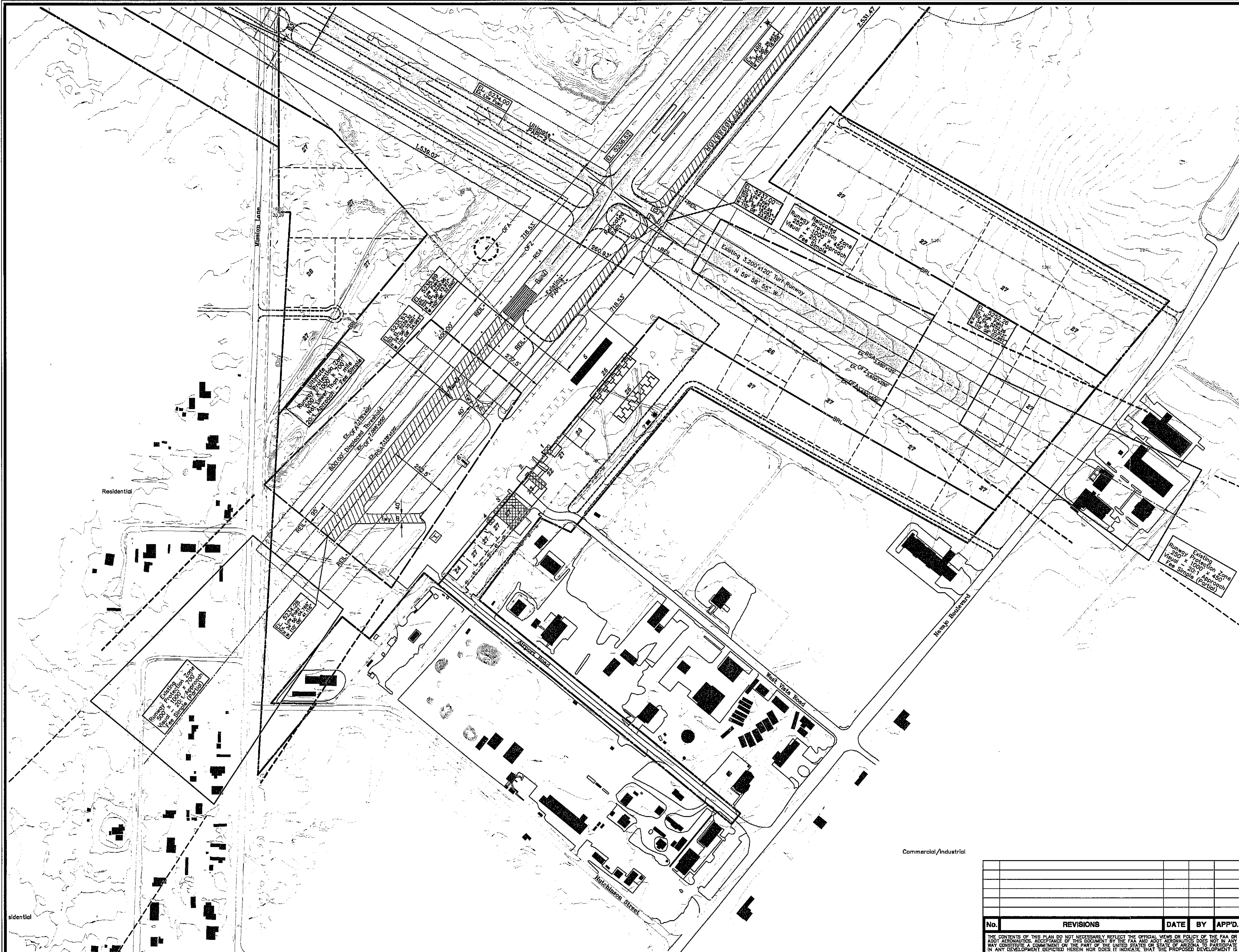

0 200 400
SCALE IN FEET

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		ABANDONED/REMOVED PAVEMENT
		AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		BUILDING REMOVAL
		BUILDING CONSTRUCTION
	BRL	BUILDING RESTRICTION LINE (BRL)
		DIRT/GRAVEL ROAD
		FACILITY CONSTRUCTION
		FENCING
PAPI-2	PAPI-2	NAVIGATIONAL AID INSTALLATION
		RUNWAY EDGE LIGHTS
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
34/35 3/2		SECTION CORNER
		SEGMENTED CIRCLE/WIND INDICATOR
1060		TOPOGRAPHY
		WIND INDICATOR (Lighted)

EXISTING BUILDINGS/FACILITIES

NO.	DESCRIPTION	ELEV
1	PORT-A-PORT HANGAR	5247
2	3-UNIT HANGAR	5249
3	HANGAR/TERMINAL	5247
4	RESIDENCE	5251
5	T-HANGAR	5248
6	FUEL STORAGE (100LL)	5240
7	ELECTRICAL VAULT	5245

ULTIAMTE BUILDINGS/FACILITIES

NO.	DESCRIPTION
21	TERMINAL BUILDING
22	FUEL STORAGE
23	CONVENTIONAL HANGAR
24	WASH RACK/AIRCRAFT MAINTENANCE
25	T-HANGAR (10 UNIT-NESTED)
26	RECREATIONAL PARCEL
27	AVIATION RELATED PARCEL
28	NONAVIATION RELATED PARCEL
29	AUTOMATED WEATHER OBSERVING STATION (AWOS)

No.	REVISIONS	DATE	BY	APP'D.

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Holbrook Municipal Airport

TERMINAL AREA DRAWING

Holbrook, Arizona

PLANNED BY: Chris M. Hugunin
DETAILED BY: Richard A. Lally
APPROVED BY: Chris M. Hugunin

June 27, 2000 — SHEET 8 OF 10

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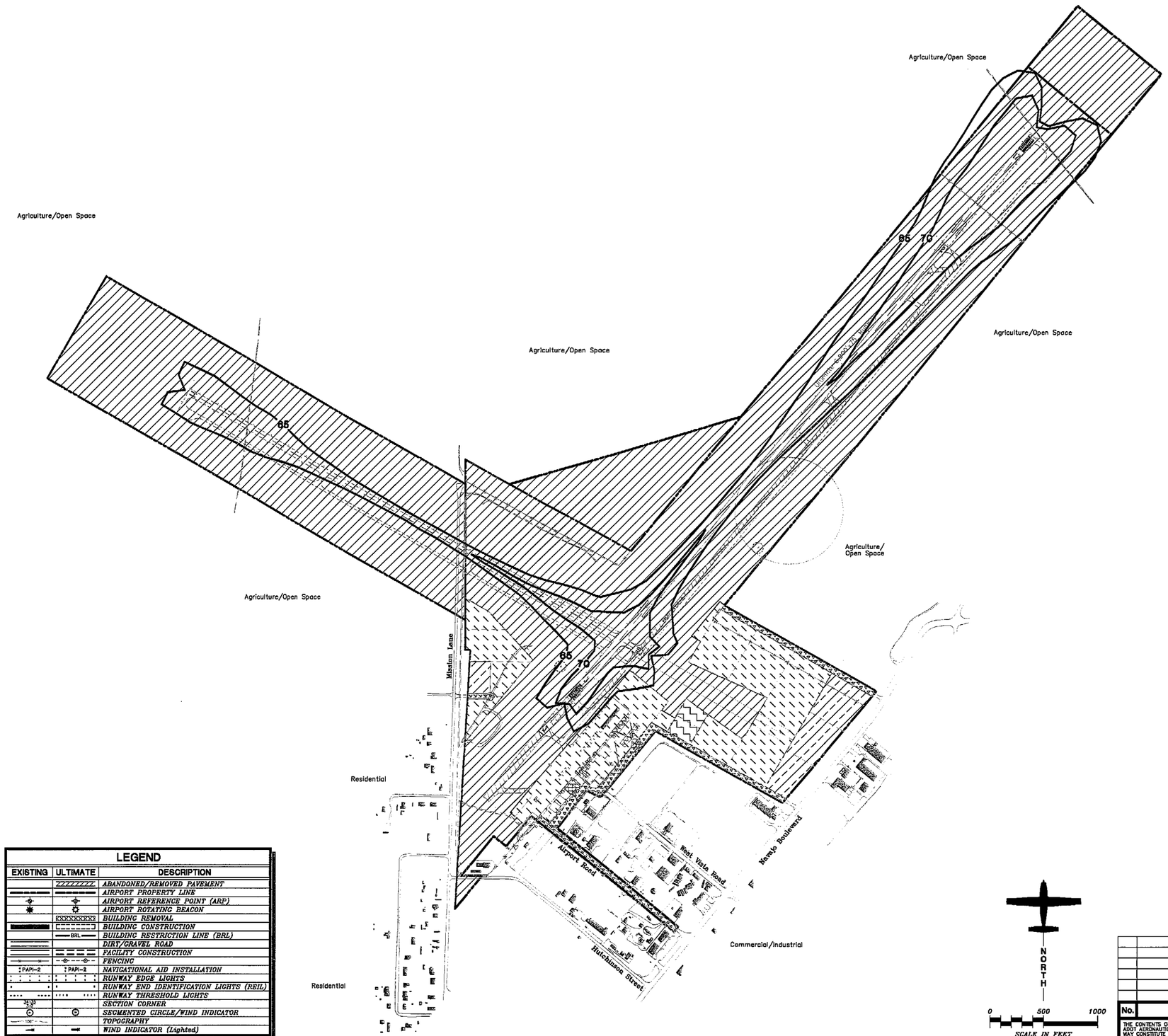

LEGEND

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		DIRT/GRAVEL ROAD
		FACILITY CONSTRUCTION
		FENCING
PAPI-2	PAPI-2	NAVIGATIONAL AID INSTALLATION
		RUNWAY EDGE LIGHTS
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
42 1/2S 33E		SECTION CORNER
		SEGMENTED CIRCLE/WIND INDICATOR
106'		TOPOGRAPHY
		WIND INDICATOR (Lighted)

Land Use Guidelines	Yearly Day-Night Average Sound Level (DNL) In Decibels (dB)					
RESIDENTIAL	Below 65	65-70	70-75	75-80	80-85	Over 85
Residential, other than mobile homes and transient lodgings	Y	N[1]	N[1]	N	N	N
Mobile home parks	Y	N	N	N	N	N
Transient lodgings	Y	N[1]	N[1]	N[1]	N	N
PUBLIC USE						
Schools	Y	N[1]	N[1]	N	N	N
Hospitals and nursing homes	Y	25	30	N	N	N
Churches, auditoriums, and concert halls	Y	25	30	N	N	N
Government services	Y	Y	25	30	N	N
Transportation	Y	Y	Y[2]	Y[2]	Y[4]	Y[4]
Parking	Y	Y	Y[3]	Y[3]	Y[4]	N
COMMERCIAL USE						
Offices, business and professional	Y	Y	25	30	N	N
Wholesale and retail-building materials, hardware and farm equipment	Y	Y	Y[3]	Y[3]	Y[4]	N
Retail trade-general	Y	Y	25	30	N	N
Utilities	Y	Y	Y[3]	Y[3]	Y[4]	N
Communication	Y	Y	25	30	N	N
MANUFACTURING AND PRODUCTION						
Manufacturing, general	Y	Y	Y[3]	Y[3]	Y[4]	N
Photographic and optical	Y	Y	25	30	N	N
Agriculture (except livestock) and forestry	Y	Y[8]	Y[7]	Y[8]	Y[8]	Y[8]
Livestock farming and breeding	Y	Y[8]	Y[7]	N	N	N
Mining and fishing, resource production and extraction	Y	Y	Y	Y	Y	Y
RECREATIONAL						
Outdoor sports arenas and spectator sports	Y	Y[5]	Y[5]	N	N	N
Outdoor music shells, amphitheaters	Y	N	N	N	N	N
Nature exhibits and zoos	Y	Y	N	N	N	N
Amusements, parks, resorts, and camps	Y	Y	Y	N	N	N
Golf courses, riding stables, and water recreation	Y	Y	25	30	N	N

The designations contained in this table do not constitute a Federal determination that any use of land covered by the program is acceptable under, Federal, State, or local law. The responsibility for determining the acceptable and permissible land uses and the relationship between specific properties and specific noise contours rests with the local authorities. FAA determinations under F.A.R. Part 150 are not intended to substitute federally determined land uses for those determined to be appropriate by local authorities in response to locally determined needs and values in achieving noise compatible land uses.

KEY

Y (YES)	Land Use and related structures compatible without restrictions.
N (No)	Land Uses and related structures are not compatible and should be prohibited.
NLR	Noise Level Reduction (outdoor to indoor) to be achieved through incorporation of noise attenuation into the design and construction of the structure.
25, 30, 35	Land Uses and related structures generally compatible; measures to achieve NLR 25, 30 or 35 Db must be incorporated into design and construction of structure.

NOTES

1. Where the community determines that residential or school uses must be allowed, measures to achieve outdoor to indoor Noise Level Reduction (NLR) of at least 25 dB and 30 dB should be incorporated into building codes and be considered in individual approvals. Normal residential construction can be expected to provide a NLR of 20 dB, thus, the reduction requirements areoften stated as 5, 10, 15, dB over standard construction and normally assume mechanical ventilation and closed windows all year round. However, the use of NLR criteria will not eliminate outdoor noise problems.
2. Measures to achieve NLR of 25 dB must be incorporated into the design and construction of portions of these buildings where the public is recieved, office areas, noise sensitive areas, or where the normal noise level is low.
3. Measures to achieve NLR of 30 dB must be incorporated into the design and construction of portions of these buildings where the public is recieved, office areas, noise sensitive areas, or where the normal noise level is low.
4. Measures to achieve NLR of 30 dB must be incorporated into the design and construction of portions of these buildings where the public is recieved, office areas, noise sensitive areas, or where the normal noise level is low.
5. Land use compatible provided special sound reinforcement systems are installed.
6. Residential buildings require a NLR of 25.
7. Residential buildings require a NLR of 30.
8. Residential buildings not permitted.

SOURCE: F.A.R. Part 150, Appendix A, Table 1.

AIRPORT LAND USE LEGEND

- AIRFIELD OPERATIONS
- AVIATION RELATED REVENUE SUPPORT
- NONAVIATION RELATED REVENUE SUPPORT
- RECREATION AREA
- GROUND ACCESS/VEHICLE CIRCULATION

-65- DNL CONTOUR

NORTH

0 500 1000

SCALE IN FEET

No.	REVISIONS	DATE	BY	APP'D.

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Holbrook Municipal Airport

ON-AIRPORT LAND USE DRAWING

Holbrook, Arizona

PLANNED BY: Chris M. Hugunin
DETAILED BY: Richard A. Lally
APPROVED BY: Chris M. Hugunin

June 27, 2000 SHEET 9 OF 10

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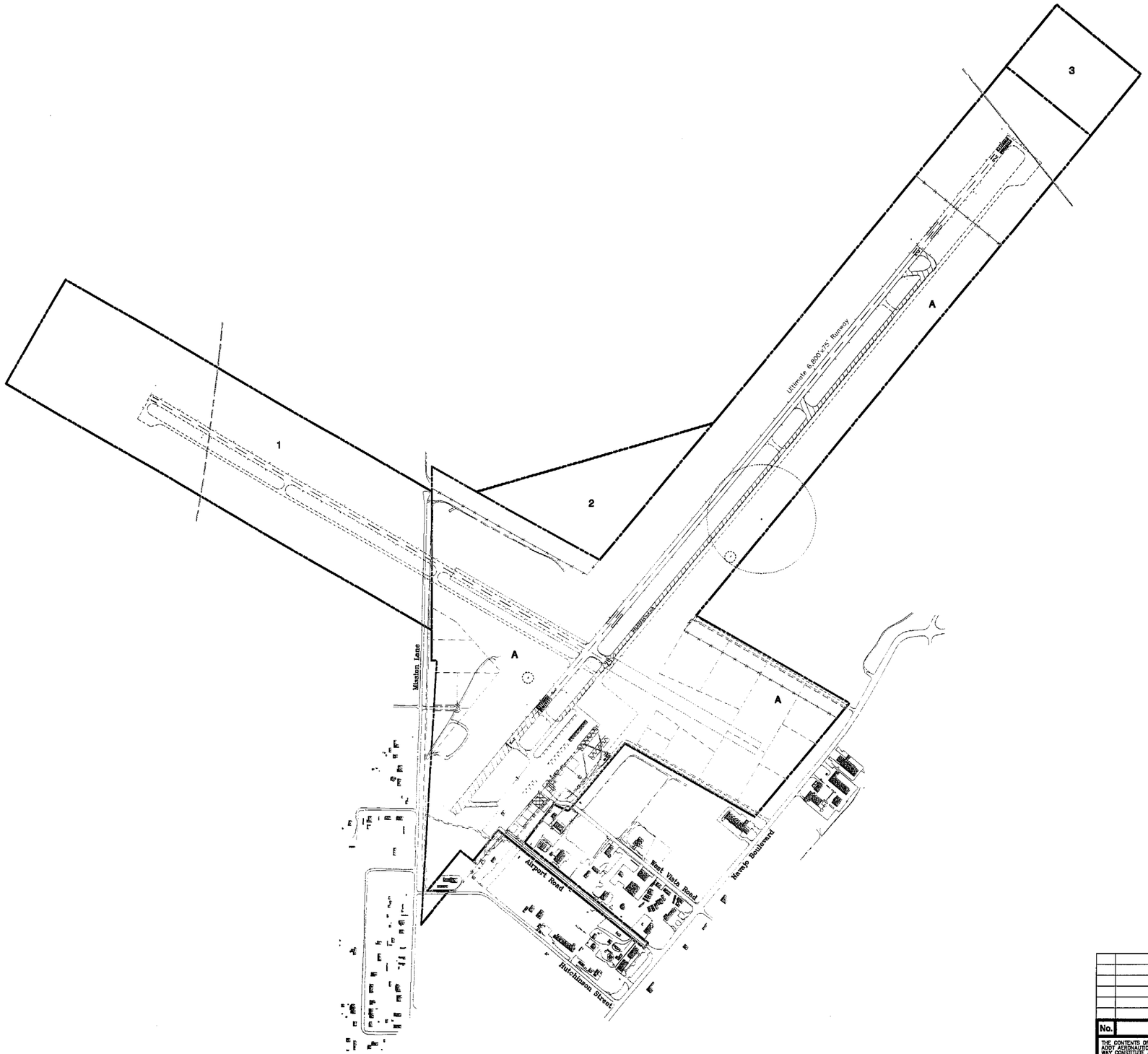

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		ABANDONED/REMOVED PAVEMENT
		AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		BUILDING REMOVAL
		BUILDING CONSTRUCTION
	BRL	BUILDING RESTRICTION LINE (BRL)
		DIRT/GRAVEL ROAD
		FACILITY CONSTRUCTION
		FENCING
PAPI-2	PAPI-2	NAVIGATIONAL AID INSTALLATION
		RUNWAY EDGE LIGHTS
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
		SECTION CORNER
		SEGMENTED CIRCLE/WIND INDICATOR
15ft		TOPOGRAPHY
		WIND INDICATOR (Lighted)

EXISTING AIRPORT PROPERTY

PARCEL NO.	ACERAGE	PROPOERTY INTEREST
A	305±	FEE SIMPLE

PROPOSED AIRPORT PROPERTY ACQUISITION

PARCEL NO.	ACERAGE
1	106±
2	23 ±
3	17 ±

NORTH

0 500 1000

SCALE IN FEET

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Holbrook Municipal Airport

AIRPORT PROPERTY MAP

Holbrook, Arizona

PLANNED BY: Chris M. Hugunin

DETAILED BY: Richard A. Lally

APPROVED BY: Chris M. Hugunin

June 27, 2000

SHEET 10 OF 10

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