

AIRPORT LAYOUT PLAN SET

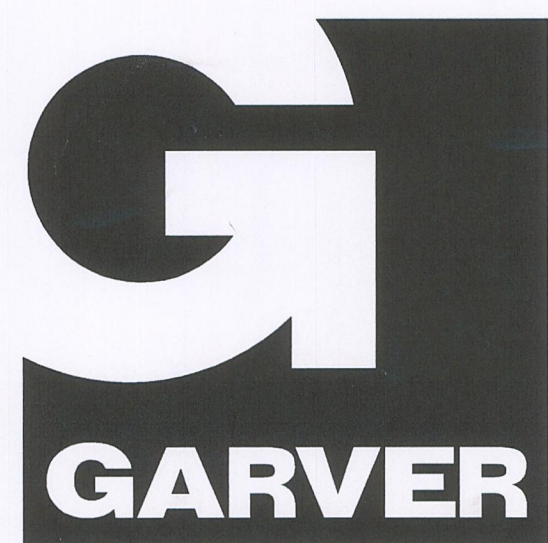
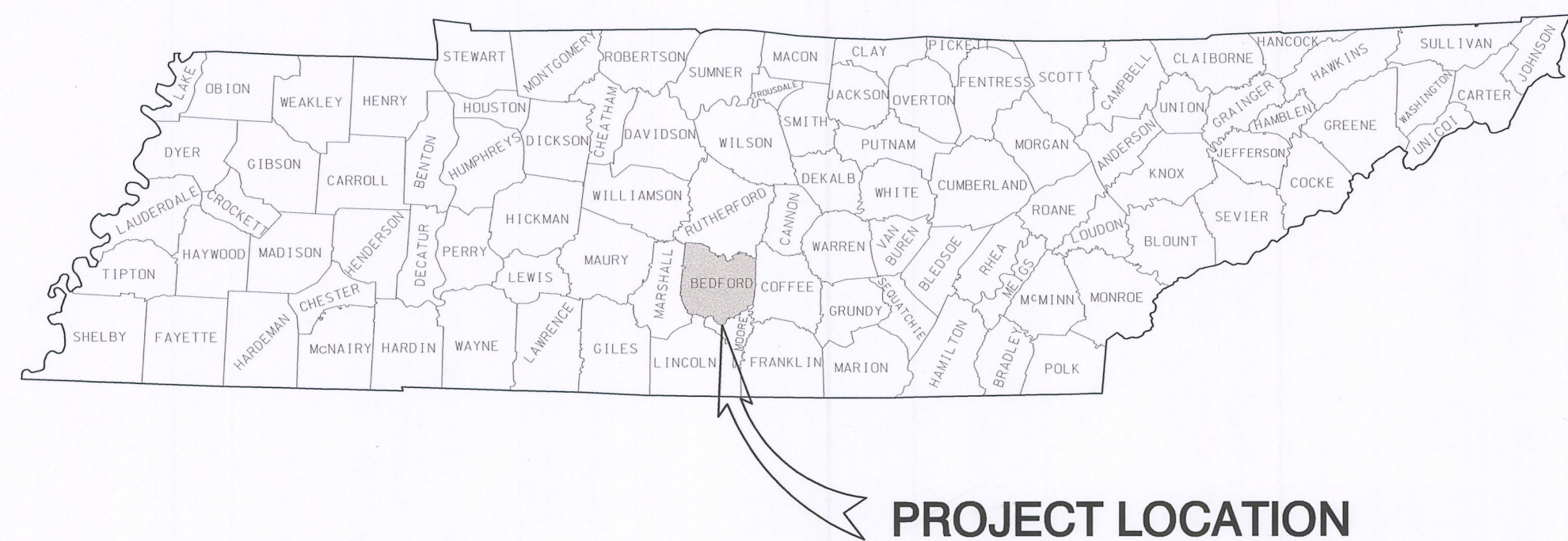
SHELBYVILLE MUNICIPAL AIRPORT

BOMAR FIELD

SHELBYVILLE, TENNESSEE



TAD NO. 2-555-0725-04
GARVER PROJECT NO. 09061060
APRIL 2010



361 Mallory Station Road
Suite 102
Franklin, TN 37067

SHEET INDEX	
SHEET	TITLE
1	AIRPORT LAYOUT DRAWING
2	RUNWAY PROFILE DRAWING
3	TERMINAL AREA DRAWING
4	PART 77 AIRPORT AIRSPACE DRAWING
5	INNER APPROACH SURFACE DRAWING
6	LAND USE DRAWING
7	AIRPORT PROPERTY MAP

Layout Plan Legend		
Item	Existing	Ultimate
Airfield Pavement		
Building		
Building Restriction Line		
Fence Line		
Airport Property Line		
Airport Easement Line		
Rotating Beacon		Same
Windcone and Segmented Circle		Same
Ground Contours		Same
Tree Line		Same
Tree		Same
Threshold Lights		
REILS/ODALS		
VASI/PAPI		
Airport Reference Point (ARP)		Same
Utility Pole		Same
Part 77 Violation No.		

Runway Safety Area Dimensions		
RW End	Width	Length Beyond RW Ends
Runway 18	Existing	400'
	Ultimate	400'
Runway 36	Existing	300'
	Ultimate	400'

Airport Data		
	Existing	Ultimate
Airport Reference Point (ARP)	N 35°33'33.80" W 86°26'32.90"	Same
Coordinates (NAD 83/NAVD 88)		
Mean Maximum Temperature Hottest Month	89°F	Same
Airport Elevation	800.6'	Same
Airport Acreage (Approximate)	536.0 +/-	Same
Airport Reference Code	C-II	Same
Critical Aircraft	Gulfstream III	Same
Navigation/Approach Aids	VOR, Beacon, PAPI REILS	Same
Automated Weather Observation System	N 35°33'31.00" W 86°26'27.00"	Same

Runway Protection Zone Dimensions		
RW End	Existing	Ultimate
18	1,000' IW x 1,510' OW x 1,700' L	Same
36	1,000' IW x 1,510' OW x 1,700' L	Same

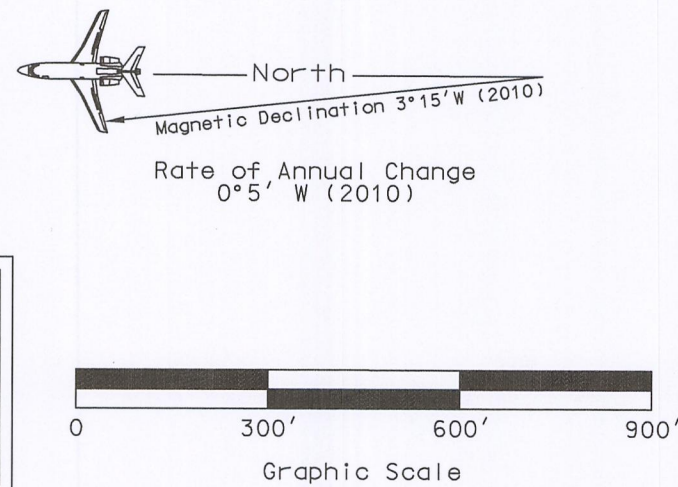
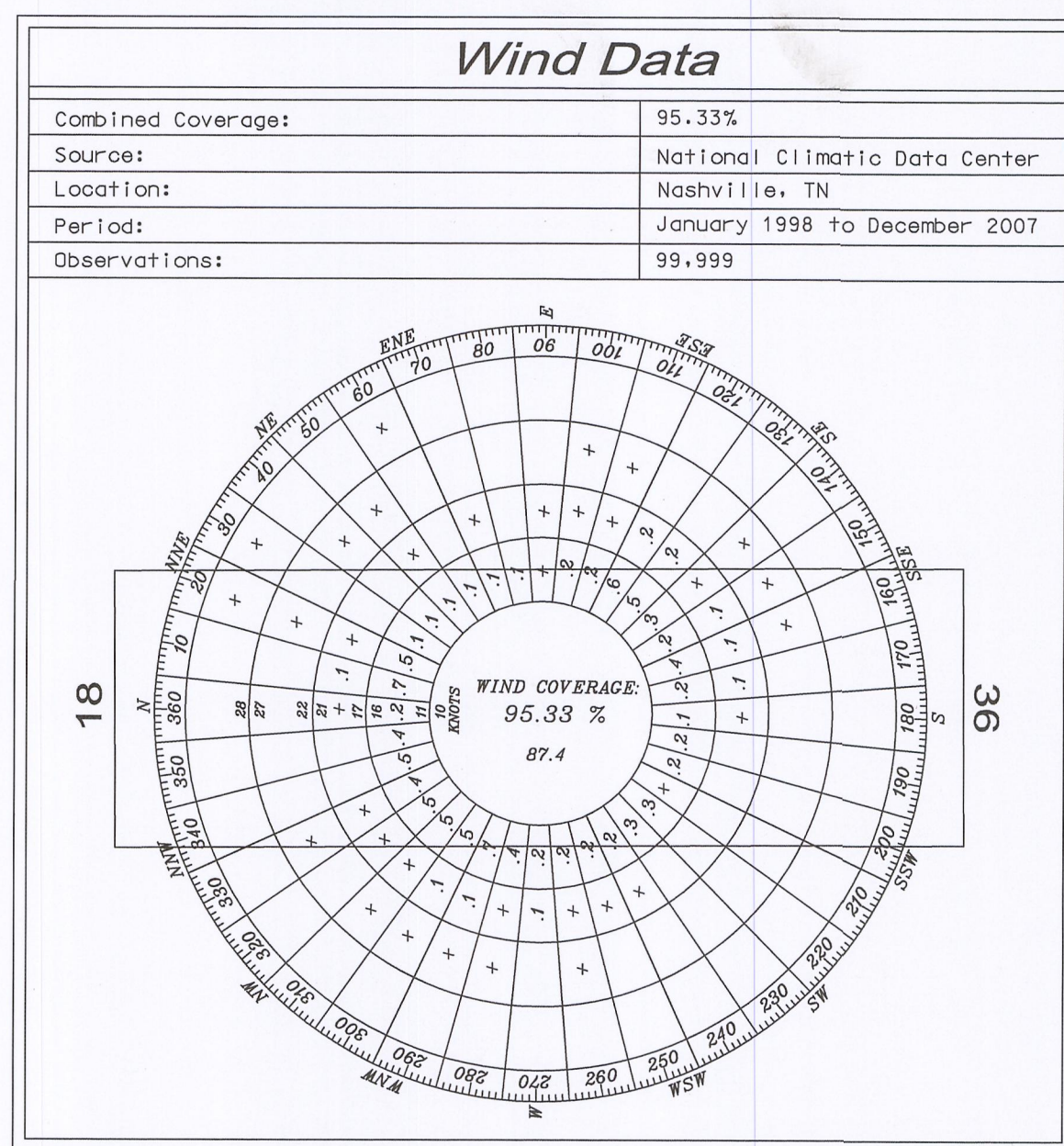
Traverse Way			
NO.	ROADWAY ELEVATION	APPROACH SURFACE ELEVATION	AMOUNT OF PENETRATION
C1	783.1'	842.6'	-
C2	775.0'	830.6'	-
C3	789.9'	848.0'	-

Runway Object Free Area		
RW End	Existing	Ultimate
18	800' x 7,503'	Same
36	800' x 7,503'	Same

Runway Data		
ITEM	Runway 18 - 36	
	Existing	Ultimate
Runway Dimensions	5,503' x 100'	Same
Runway Bearing (True)	N179°21'24.04"	Same
Approach Visibility Minimums	3/4 Mile	Same
Runway Approach	18NPL/36NP1	Same
Runway Safety Area (RSA)	400' x 7,503'	Same
Object Free Area (OFA)	800' x 7,503'	Same
Obstacle Free Zone (OFZ)	400' x 5,903'	Same
Runway Approach Surfaces	34:1	Same
Runway/Taxiway Lighting	MIRL / MITL	Same
Runway/Taxiway Marking	Non-precision	Same
Effective Runway Gradient (in %)	0.10	Same
Pavement Material (Surface)	Asphalt	Same
Pavement Strength (thousand lbs.)	42 SWL/49 DWL	Same
Instrument Runway	18-VOR/DME/RNAV/GPS 36-VOR/RNAV/GPS Z	Same
Runway End Coordinates (NAD 83/NAVD 88)	RW 18	N 35°34'01.0487" W 86°26'33.2840"
	RW 36	N 35°33'06.6307" W 86°26'32.5363"
Runway End Elevations	RW 18	799.1
	RW 36	793.3
Touch Down Zone (TDZ) Elevations	RW 18	799.6
	RW 36	800.6

Runway Safety Area Determination				
RW End	Width	Length Beyond RW	RSA Determination	Date Approved
Runway 36	Existing	300'	820'	Yes
	Ultimate	400'	1,000'	

Building Data	
No.	Structure
B1	Jabiru(85x120)
B2	Community Hangar
B3	Maint. Hangar(100x100)
B4	Maint. Hangar(60x60)
B5	Fire Hall
B6	Storage Hangar
B7	Terminal Bldg.
B8	Storage Hangar
B9	Storage Hangar
B10	10 Unit T-Hangar
P1	80x80 Hangar
P2	100x100 Hangar
P3	10 Unit T-Hangar(nested)
P4	Ultimate Jabiru Hangar
P5	60x60 Hangar
P6	Aircraft Display



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 Tennessee Department of Transportation, Aeronautics Division/FAA prior to construction. TDOT-AD's review takes approximately 60 days.

NOTES: AIRPORT VIOLATIONS AND DESCRIPTIONS ARE SHOWN ON SHEET 2
NO OBSTACLE FREE ZONE PENETRATIONS
NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS
BUILDINGS MAY REQUIRE LIGHTING DEPENDENT ON AS BUILT ELEVATIONS FOR BUILDINGS FIVE-STAR RUNWAY 36 THRESHOLD

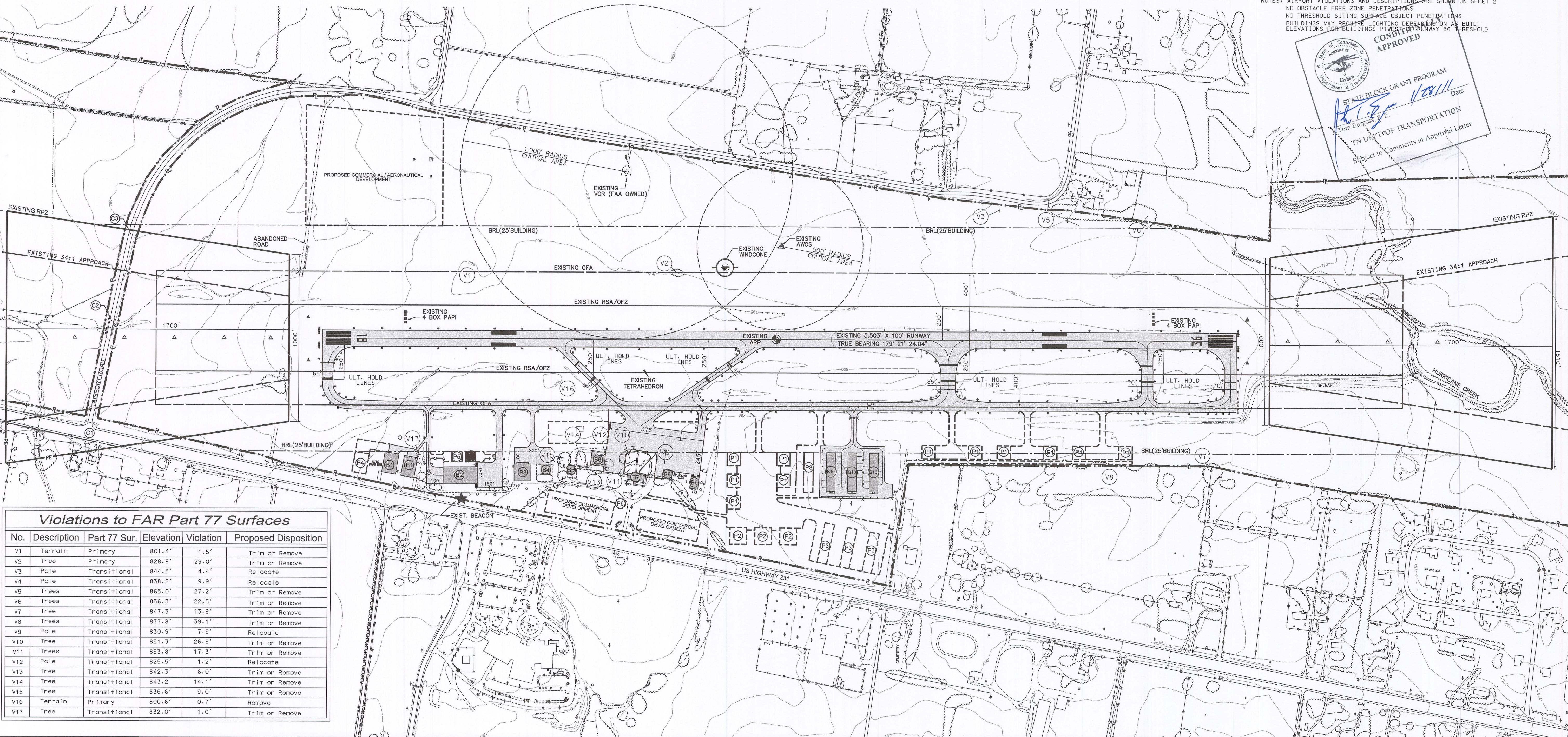
CONDITIONALLY APPROVED

STATE BLOCK GRANT PROGRAM

Tom Burgess, Jr. 1/28/11 Date

TN DEPT OF TRANSPORTATION

Subject to Comments in Approval Letter



Violations to FAR Part 77 Surfaces				
No.	Description	Part 77 Sur.	Elevation	Violation
V1	Terrain	Primary	801.4'	1.5'
V2	Tree	Primary	828.9'	29.0'
V3	Pole	Transitional	844.5'	4.4'
V4	Pole	Transitional	838.2'	9.9'
V5	Trees	Transitional	865.0'	27.2'
V6	Trees	Transitional	856.3'	22.5'
V7	Tree	Transitional	847.3'	13.9'
V8	Trees	Transitional	877.8'	39.1'
V9	Pole	Transitional	830.9'	7.9'
V10	Tree	Transitional	851.3'	26.9'
V11	Trees	Transitional	853.8'	17.3'
V12	Pole	Transitional	825.5'	1.2'
V13	Tree	Transitional	842.3'	6.0'
V14	Tree	Transitional	843.2'	14.1'
V15	Tree	Transitional	836.6'	9.0'
V16	Terrain	Primary	800.6'	0.7'
V17	Tree	Transitional	832.0'	1.0'



AIRPORT SPONSOR
APPROVAL BLOCK

Approved by:

James C. Williams 1/14/11 Date
City of Shelbyville

BY

DESCRIPTION

DATE

REV.

SHELBYVILLE MUNICIPAL AIRPORT
SHELBYVILLE, TENNESSEE

AIRPORT LAYOUT PLAN SET

AIRPORT LAYOUT
DRAWING

Scale: As Shown

Job No.: 09061060

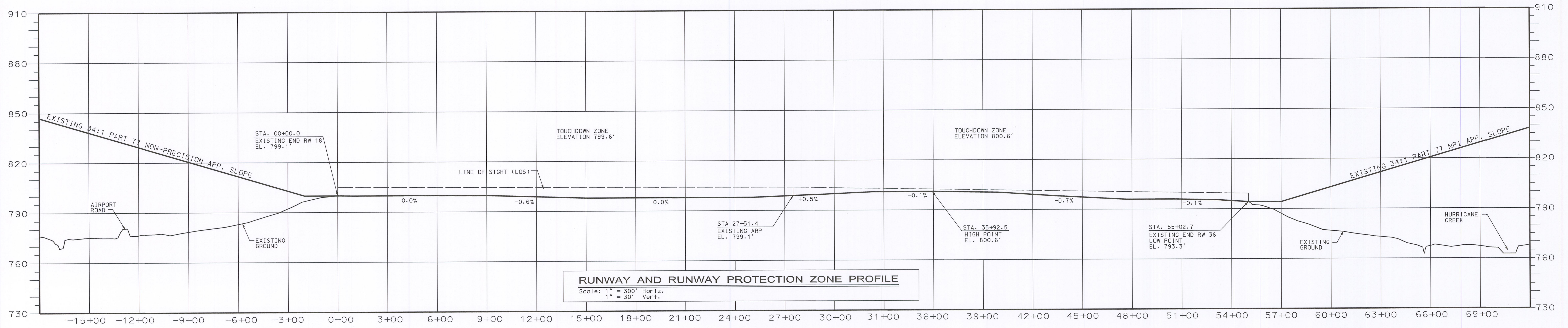
Date: April 2010

Designed by: RBH

Drawn by: DWD

Sheet Number

1 OF 7



REV.	DATE	DESCRIPTION	BY

SHELBYVILLE MUNICIPAL AIRPORT
SHELBYVILLE, TENNESSEE

AIRPORT LAYOUT PLAN SET

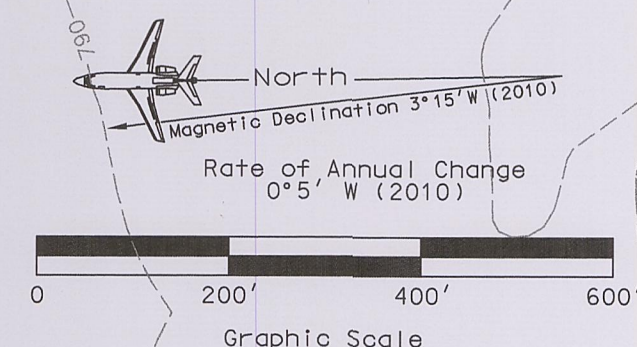
RUNWAY
PROFILE
DRAWING

Scale: As Shown

Job No.: 09081060
Date: April 2010
Designed by: RBH
Drawn by: DWD

Sheet Number

2 OF 7



REV.	DATE	DESCRIPTION	BY

SHELBYVILLE MUNICIPAL AIRPORT
SHELBYVILLE, TENNESSEE

AIRPORT LAYOUT PLAN SET

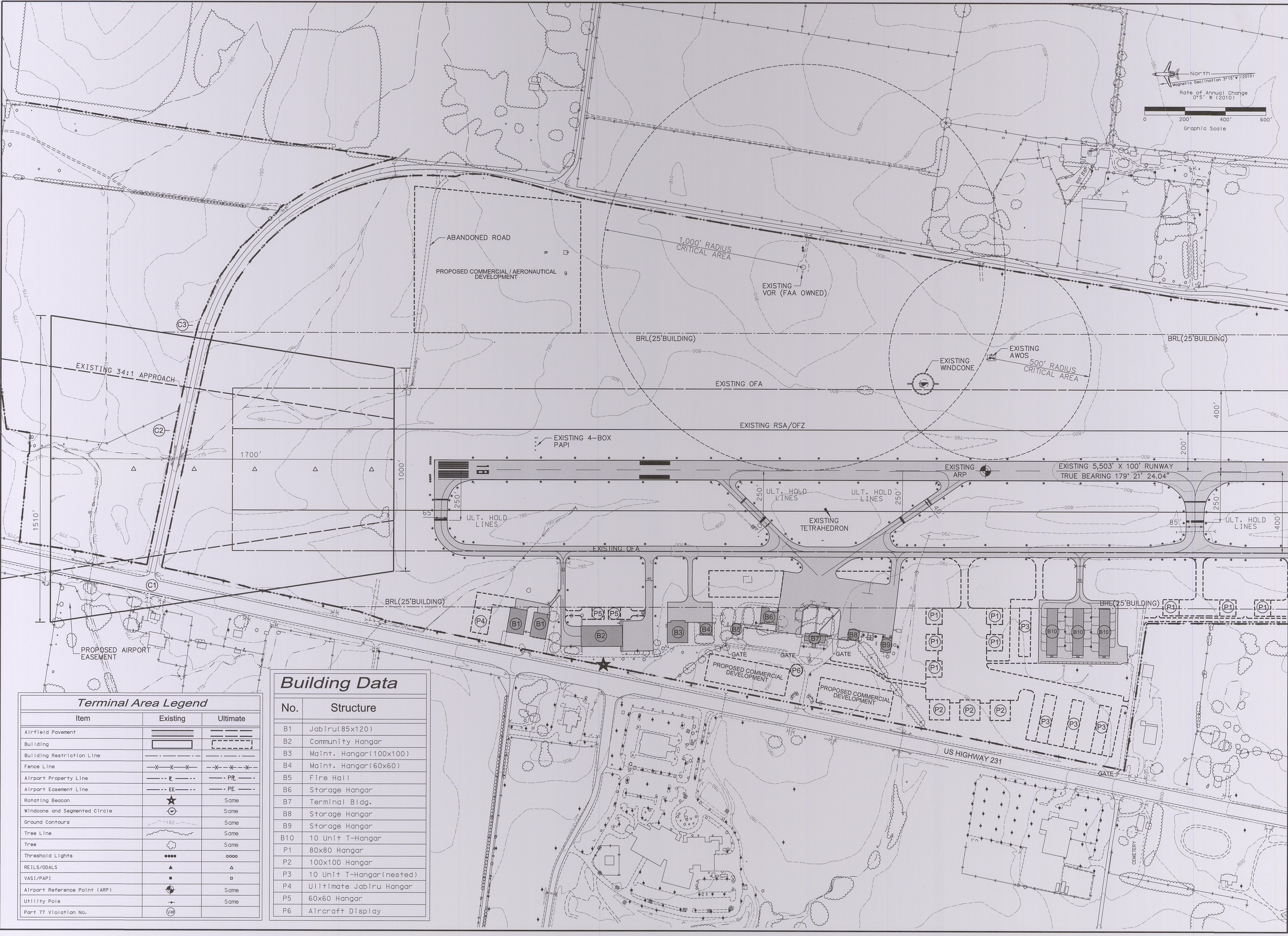
TERMINAL
AREA
DRAWING

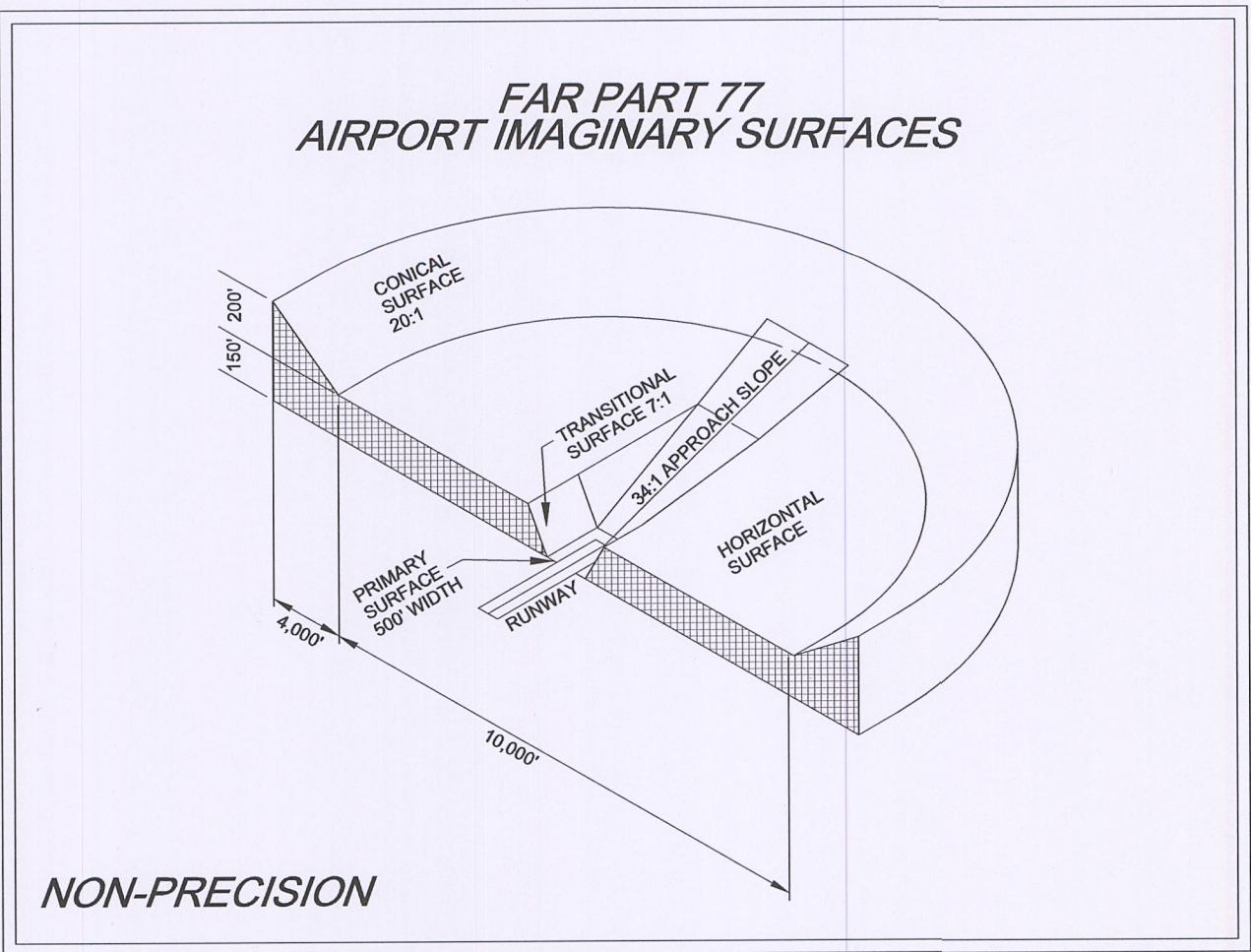
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Terminal Area Legend		
Item	Existing	Ultimate
Airfield Pavement		
Building		
Building Restriction Line		
Fence Line		
Airport Property Line		
Airport Easement Line		
Rotating Beacon		Same
Windcone and Segmented Circle		Same
Ground Contours		Same
Tree Line		Same
Tree		Same
Threshold Lights		
REILS/DDALS		
VASI/PAPI		
Airport Reference Point (ARP)		Same
Utility Pole		Same
Part 77 Violation No.		

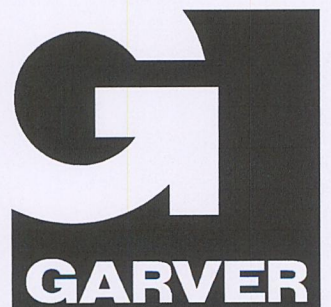
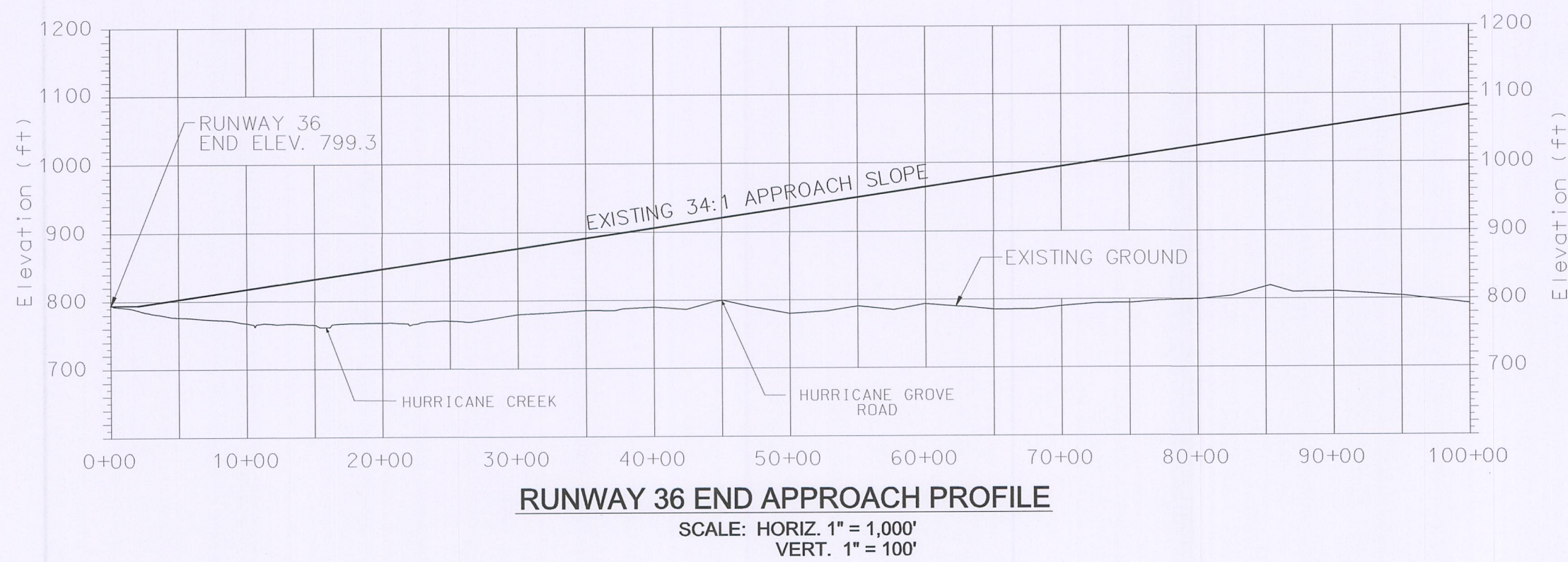
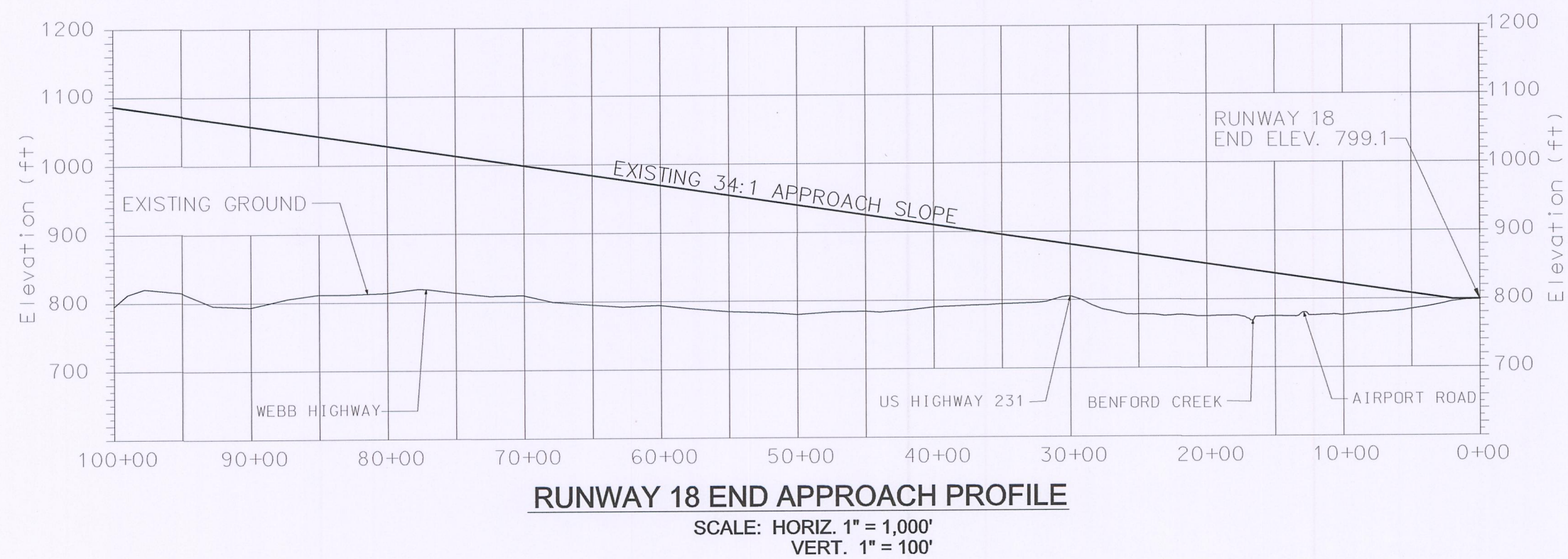
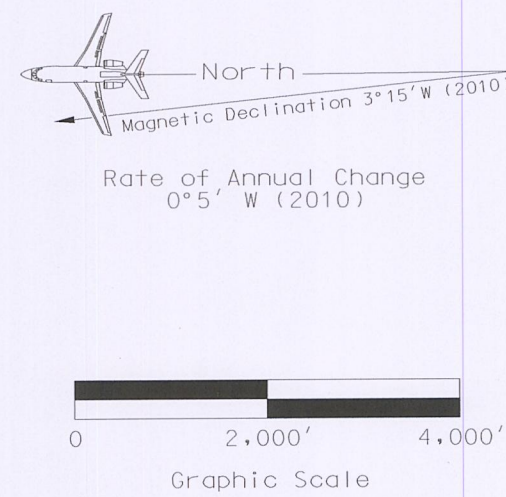
Building Data	
No.	Structure
B1	Jabiru(85x120)
B2	Community Hangar
B3	Maint. Hangar(100x100)
B4	Maint. Hangar(60x60)
B5	Fire Hall
B6	Storage Hangar
B7	Terminal Bldg.
B8	Storage Hangar
B9	Storage Hangar
B10	10 Unit T-Hangar
P1	80x80 Hangar
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Violations to FAR Part 77 Surfaces					
No.	Description	Part 77 Sur.	Elevation	Violation	Proposed Disposition
V18	Terrain	Horizontal	990.0	39.4	Light

● Water Tower -Water Tower is not a Part 77 violation



REV.	DATE	DESCRIPTION	BY

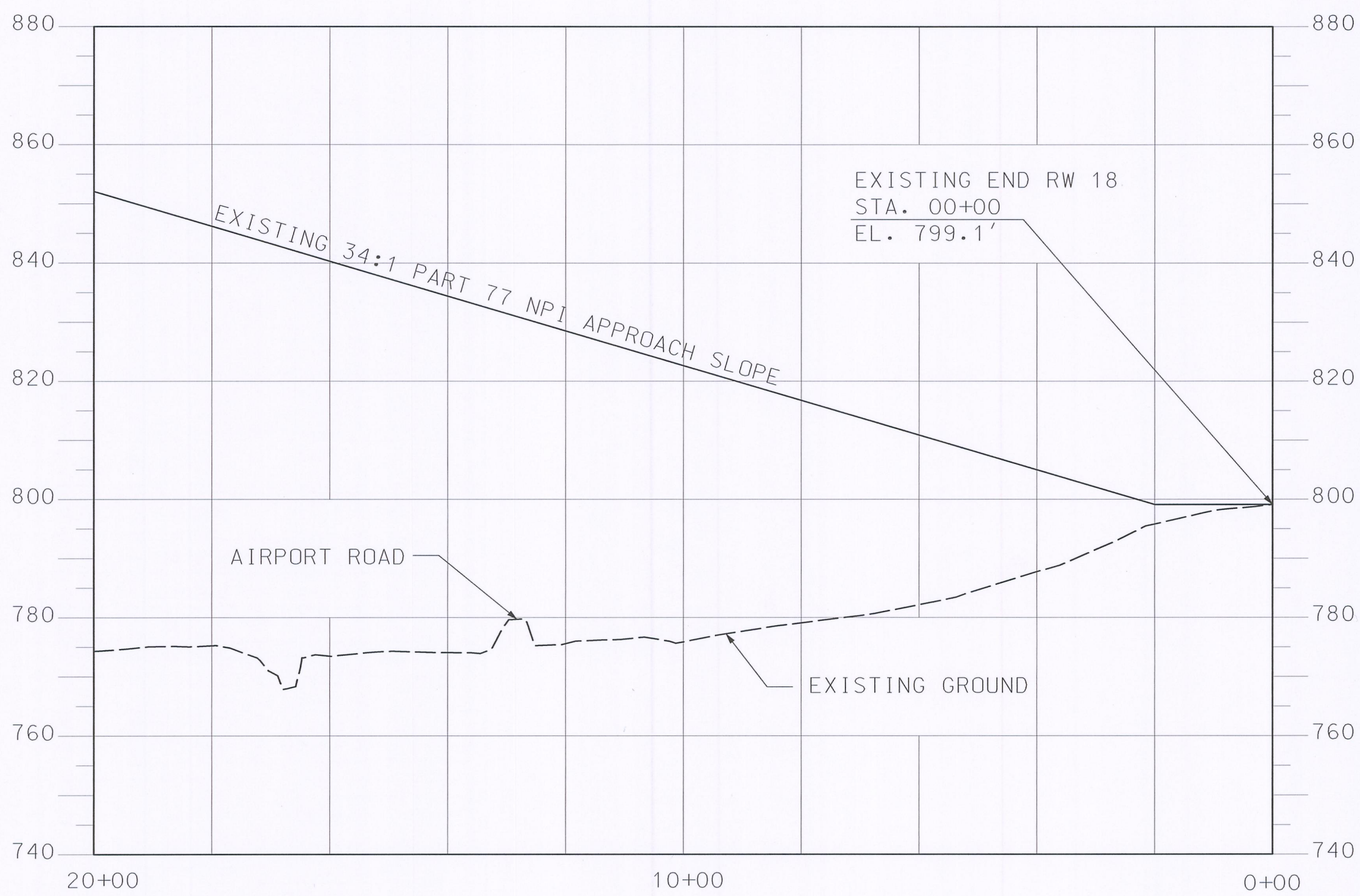
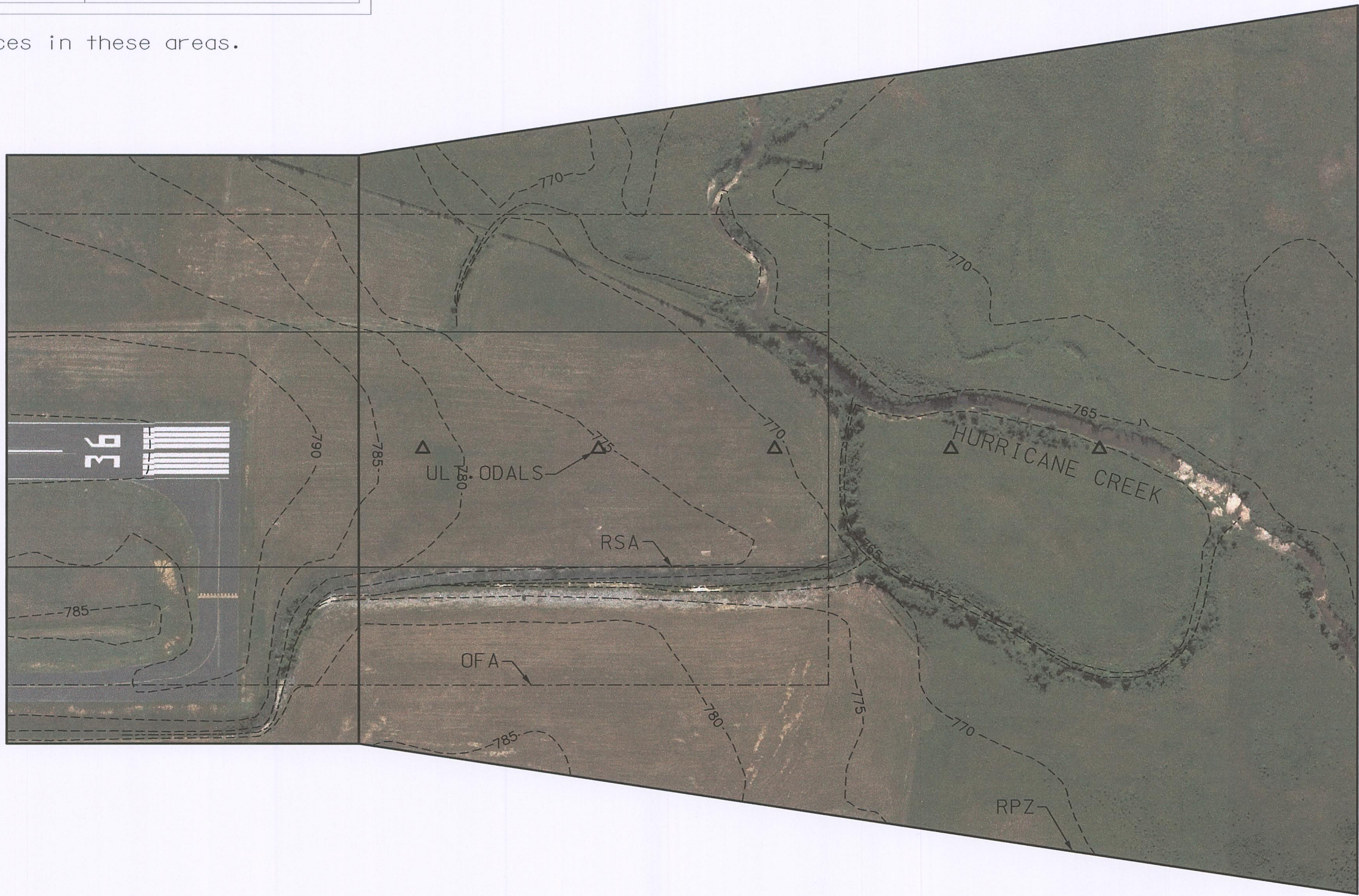
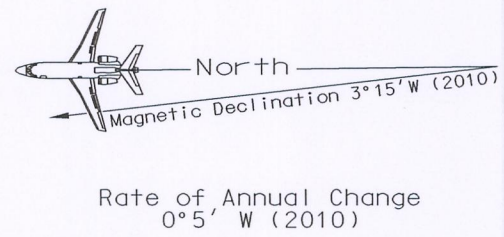
SHELBYVILLE MUNICIPAL AIRPORT
SHELBYVILLE, TENNESSEE
AIRPORT LAYOUT PLAN SET

PART 77
AIRPORT
AIRSPACE
DRAWING

Scale: As Shown
Job No.: 09061060
Date: April 2010
Designed by: RBH
Drawn by: DWD
Sheet Number

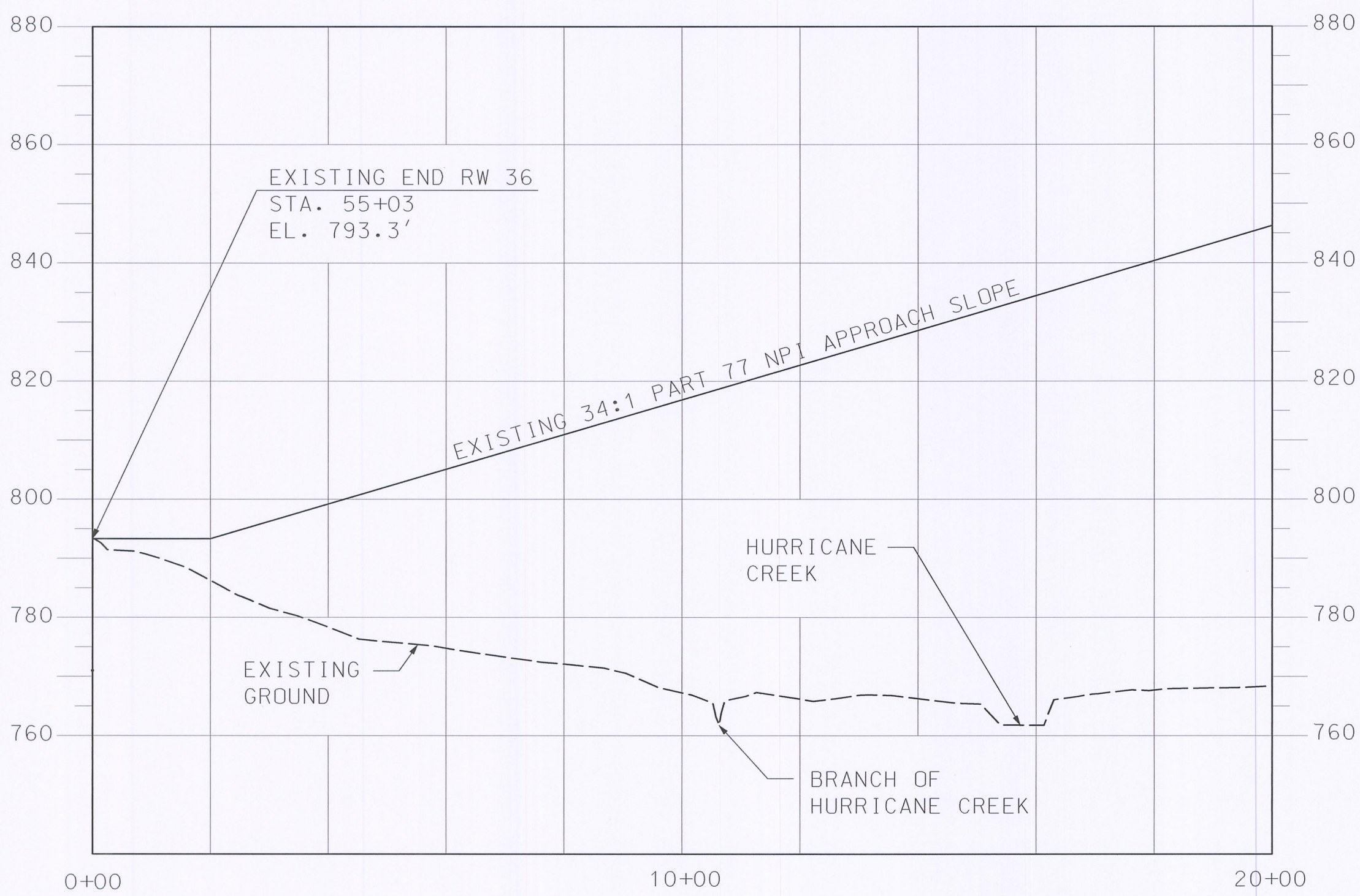
Traverse Way				
NO.	ROADWAY ELEVATION	APPROACH SURFACE ELEVATION	AMOUNT OF PENETRATION	PROPOSED ACTION
C1	783.1'	842.6'	-	None
C2	775.0'	830.6'	-	None
C3	789.9'	848.0'	-	None

* There are no violations to the Part 77 Surfaces in these areas.



RUNWAY 18 END PROFILE

SCALE: HORIZ.: 1"= 200'; VERT.: 1"= 20'



RUNWAY 36 END PROFILE

SCALE: HORIZ.: 1"= 200'; VERT.: 1"= 20'

REV.	DATE	DESCRIPTION	BY

SHELBYVILLE MUNICIPAL AIRPORT
SHELBYVILLE, TENNESSEE

AIRPORT LAYOUT PLAN SET

INNER
APPROACH
SURFACE
DRAWING

Scale: As Shown
Job No.: 09061060
Date: April 2010
Designed by: RBH
Drawn by: DWD

Sheet Number
5 OF 7