

AIRPORT LAYOUT PLAN SET

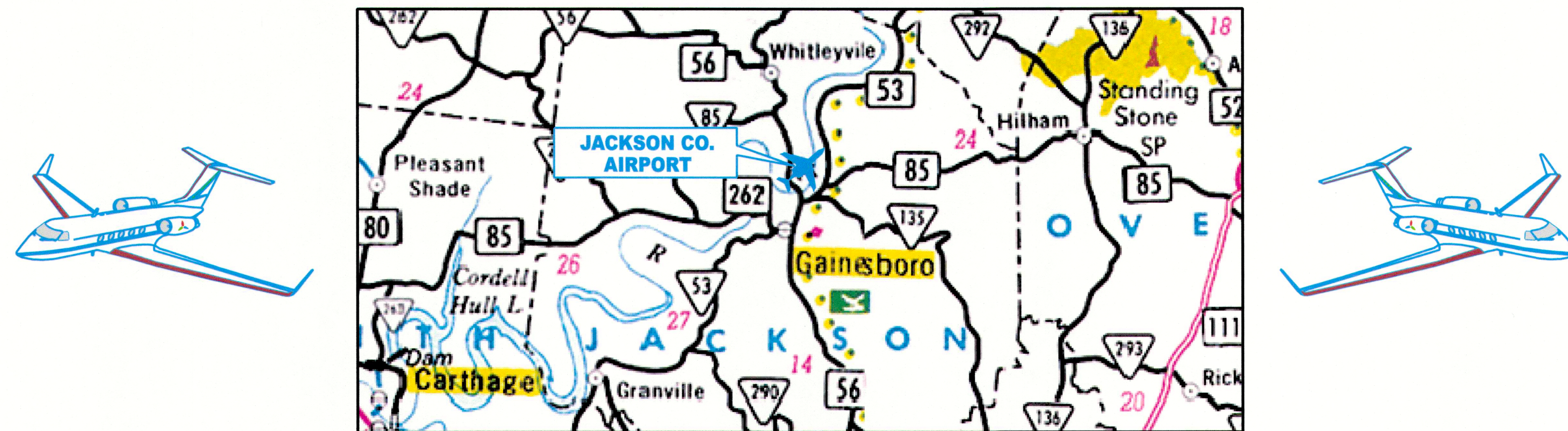
FOR THE

JACKSON COUNTY AIRPORT

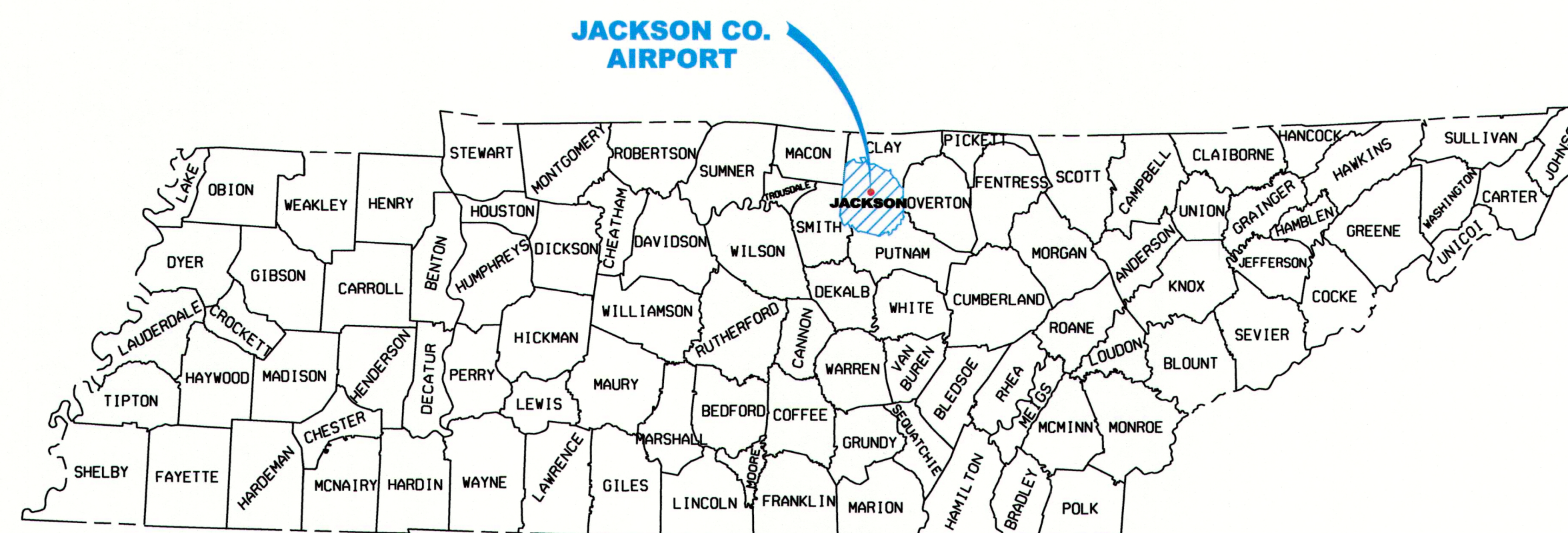
TAD NO. 44-555-0115-18

PREPARED FOR

JACKSON COUNTY, TENNESSEE



VICINITY MAP
860 BIG BOTTOM ROAD
GAINESBORO, TN 38562



LOCATION MAP

STATE OF TENNESSEE

HONORABLE BILL LEE, GOVERNOR

DEPARTMENT OF TRANSPORTATION

CLAY BRIGHT, COMMISSIONER

TENNESSEE AERONAUTICS DIVISION

MICHELLE FRAZIER, DIRECTOR
J. P. SAALWAECHTER, P.E., CHIEF ENGINEER

JACKSON COUNTY

RANDY HEADY, COUNTY MAYOR

TOWN OF GAINESBORO

LLOYD WILLIAMS, MAYOR

JACKSON COUNTY AIRPORT

JIM YOUNG, MANAGER

INDEX OF DRAWINGS

SHEET NO.

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COVER SHEET
AIRPORT LAYOUT DRAWING
TERMINAL AREA PLAN
AIRSPACE DRAWING
INNER APPROACH SURFACE DRAWING - RUNWAY
INNER APPROACH SURFACE DRAWING - RUNWAY
LAND USE MAP
AIRPORT CAPITAL IMPROVEMENT PLAN
EXHIBIT "A" AIRPORT PROPERTY INVENTORY MAP

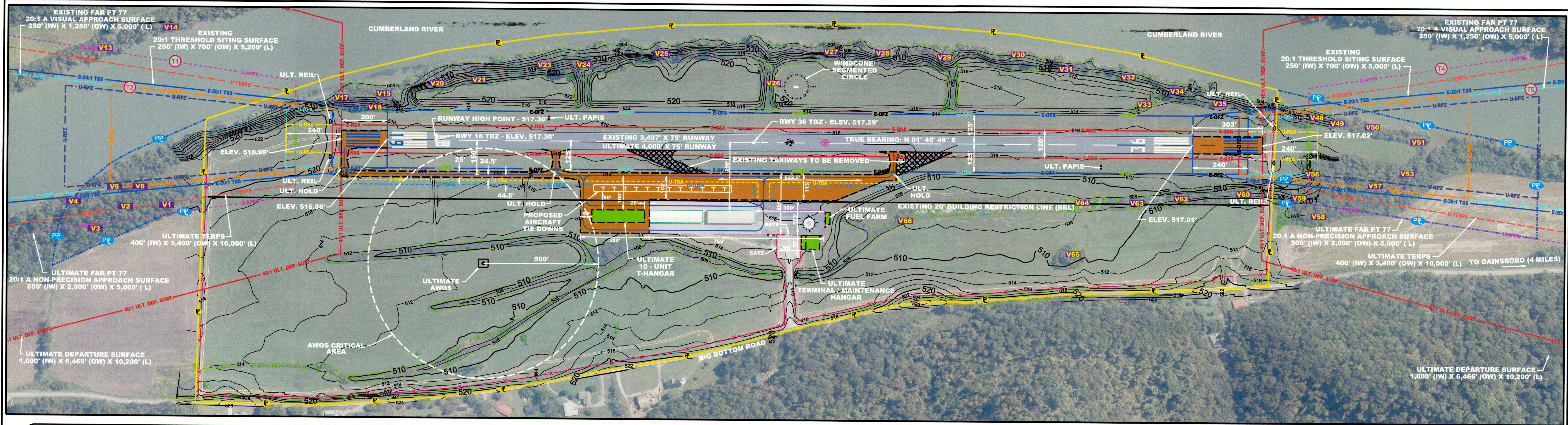


CONSULTANTS

PDC CONSULTANTS, LLC.

133 Holiday Court
Suite 102
Franklin, TN 37067

Phone: (615) 614-0121
Fax: (615) 614-0124



RUNWAY DATA					
		RUNWAY 18 (ULT. - RUNWAY 19)		RUNWAY 36 (ULT. - RUNWAY 1)	
ITEM		EXISTING	ULTIMATE	EXISTING	ULTIMATE
EFFECTIVE GRADIENT (%)		0.0%	0.0%	0.0%	0.0%
WIND COVERAGE (%)		97.81%	SAME	97.81%	SAME
MAX. ELEVATION (NAVD88)		517.30'	SAME	517.30'	SAME
RUNWAY LENGTH		3,497.14'	4,000'	3,497.14'	4,000'
RUNWAY WIDTH		75'	SAME	75'	SAME
DISPLACEMENT		NONE	NONE	NONE	NONE
SURFACE TYPE		ASPHALT	SAME	ASPHALT	SAME
PAVEMENT STRENGTH	SWL	21,000	SAME	21,000	SAME
	DWL	31,000	SAME	31,000	SAME
APPROACH SURFACE SLOPE		20:1	SAME	20:1	SAME
APPROACH VISIBILITY MINIMUMS		VISUAL ONLY	NOT LOWER THAN 1 MILE	VISUAL ONLY	NOT LOWER THAN 1 MILE
VISUAL APPROACH AIDS		WINDCONE	PAPI	WINDCONE	PAPI
RUNWAY DEPARTURE SURFACE		N/A	YES	N/A	YES
INSTRUMENT APPROACH AID		NONE	RNAV / GPS	NONE	RNAV / GPS
LIGHTING		NONE	MIRL ★	NONE	MIRL ★
RUNWAY MARKING		BASIC	NON-PRECISION	BASIC	NON-PRECISION
FAR PART 77 CATEGORY		A(V)	A(NP)	A(V)	A(NP)
RUNWAY END COORDINATES (NAD 83)	LATITUDE LONGITUDE	N 36° 24' 05.82" W 85° 38' 28.04"	N 36° 24' 09.5" W 85° 38' 29.6"	N 36° 23' 31.26" W 85° 38' 29.51"	N 36° 23' 29.9" W 85° 38' 30.2"
RUNWAY END ELEVATIONS (NAVD88)		516.98'	516.99'	517.01'	517.02'
TDZ ELEVATION (NAVD88)		517.30'	SAME	517.29'	SAME
RUNWAY DESIGN CODE (RDC)		B / 1(S) / VIS	B / 1(S) / 5000	B / 1(S) / VIS	B / 1(S) / 5000
APPROACH REFERENCE CODE (APRC)		B / 1(S) / VIS	B / 1(S) / 5000	B / 1(S) / VIS	B / 1(S) / 5000
DEPARTURE REFERENCE CODE (DPRC)		B-1(S)	SAME	B-1(S)	SAME

* RUNWAY LIGHTING SYSTEM IS REQUIRED FOR INSTRUMENT APPROACHES WITH NIGHT MINIMUMS OR FOR STRAIGHT IN APPROACHES > 1 MILE VISIBILITY.

RUNWAY SAFETY INVENTORY					
RUNWAY END NUMBER	STANDARD RSA		ACTUAL RSA		
	LENGTH BEYOND RWY	WIDTH	LENGTH BEYOND RWY	WIDTH	VIOLATIONS TO RSA ALONG SIDE OF RUNWAY
EXISTING RUNWAY 18	240'	120'	240'	120'	NO VIOLATIONS
ULTIMATE RUNWAY 19	240'	120'	240'	120'	GRADE TO MEET STANDARDS / CLEARING
EXISTING RUNWAY 36	240'	120'	240'	120'	NO VIOLATIONS
ULTIMATE RUNWAY 1	240'	120'	240'	120'	GRADE TO MEET STANDARDS

NO RUNWAY SAFETY DETERMINATION WAS COMPLETED IN CONJUNCTION WITH ALP UPDATE.

TRAVERSE WAY					
#	NAME	* GROUND ELEVATION (FT.)	EXIST. / ULT. APPROACH SURFACE ELEVATION (FT.)	EXIST. / ULT. PENETRATION (FT.)	EXIST. / ULT. PROPOSED ACTION
T1	RWY 19 ULTIMATE APPROACH-CUMBERLAND RIVER	509' + 41' = 550'	544'	6'	NOTAM AS NEEDED
T2	RWY 18 EXISTING APPROACH-CUMBERLAND RIVER	509' + 41' = 550'	564'	NONE	NONE
T4	RWY 1 ULTIMATE APPROACH-CUMBERLAND RIVER	509' + 41' = 550'	544'	6'	NOTAM AS NEEDED
T5	RWY 36 EXISTING APPROACH-CUMBERLAND RIVER	509' + 41' = 550'	584'	NONE	NONE

* GROUND ELEVATION IS REPRESENTATIVE OF NORMAL POOL WATER ELEVATION BUT CAN FLUCTUATE DAILY BASED ON UP RIVER RESERVOIRS OPERATIONS. SEE ALP NARRATIVE FOR ADDITIONAL INFORMATION.

MODIFICATIONS OF DESIGN STANDARDS			
NO.	STANDARD MODIFIED	FAA STANDARDS	EXISTING CONDITION
	NONE REQUIRED	N/A	N/A

RUNWAY SAFETY AREA DIMENSIONS	
EXISTING	120'
ULTIMATE	120'

RUNWAY OBJECT FREE AREA DIMENSIONS	
EXISTING	250'
ULTIMATE	250'

RUNWAY PROTECTION ZONE DIMENSIONS				
		— E-RPZ —	— U-RPZ —	
RUNWAY 18	EXISTING	250'	450'	1,000'
	ULTIMATE	250'	450'	1,000'
RUNWAY 36	EXISTING	250'	450'	1,000'
	ULTIMATE	250'	450'	1,000'

NOTE: STARTS 200' BEYOND END OF RUNWAY

RUNWAY OBSTACLE FREE ZONE DIMENSIONS		
EXISTING	WIDTH	LENGTH BEYOND RUNWAY ENDS
EXISTING	250'	200'
ULTIMATE	250'	200'

AIRPORT DATA			
		EXISTING	ULTIMATE
AIRPORT ELEVATION (MSL)		517.30'	517.30'
AIRPORT REFERENCE POINT COORDINATES (NAD 83)		LAT. N 36° 23' 48.5" LONG. W 85° 38' 28.8"	LAT. N 36° 23' 48.7" LONG. W 85° 38' 29.9"
MEAN MAX. TEMP. OF HOTTEST MONTH		90° F - JULY	SAME
AIRPORT TERMINAL AREA NAVAIDS		WINDCONE / SEG. CIRCLE	WINDCONE, SEG. CIRCLE, AWOS
AIRPORT REFERENCE CODE		B-1 (S)	B-1 (S)
TAXIWAY DESIGN GROUP		1	SAME
DESIGN AIRCRAFT		BEECH BARON	BEECH BARON
FUEL		NONE	100 LL
NPAS SERVICE LEVEL		GA - BASIC	SAME

DECLARED DISTANCES				
RUNWAY END ID	TORA	TODA	ASDA	LDA
RW 18	3,497'	3,497'	3,497'	3,497'
RW 36	3,497'	3,497'	3,497'	3,497'

PART 77 OBSTRUCTION DATA				
#	DESCRIPTION	OBJECT ELEVATION	EXISTING PENETRATION	PROPOSED DISPOSITION
V1	TREE	605.85'	51'	TRIM / REMOVE
V2	TREE	617.50'	54'	TRIM / REMOVE
V3	TREE	611.95'	42'	TRIM / REMOVE
V4	TREE	607.41'	32'	TRIM / REMOVE
V5	TREE	591.90'	26'	TRIM / REMOVE
V6	TREE	604.10'	43'	TRIM / REMOVE
V13	TREE	588.09'	20'	TRIM / REMOVE
V14	TREE	576.81'	4'	TRIM / REMOVE
V17	TREE	563.10'	46'	TRIM / REMOVE
V18	TREE	546.55'	30'	TRIM / REMOVE
V19	TREE	576.92'	60'	TRIM / REMOVE
V20	TREE	591.00'	73'	TRIM / REMOVE
V21	TREE	582.85'	63'	TRIM / REMOVE
V23	TREE	570.85'	42'	TRIM / REMOVE
V24	TREE	585.50'	56'	TRIM / REMOVE
V25	TREE	609.78'	73'	TRIM / REMOVE
V26	TREE	535.65'	17'	TRIM / REMOVE
V27	TREE	570.99'	32'	TRIM / REMOVE
V28	TREE	571.45'	34'	TRIM / REMOVE
V29	TREE	571.10'	36'	TRIM / REMOVE
V30	TREE	580.18'	43'	TRIM / REMOVE
V31	TREE	550.70'	22'	TRIM / REMOVE
V32	TREE	564.20'	41'	TRIM / REMOVE
V33	BUSH	524.60'	8'	TRIM / REMOVE
V34	TREE	570.25'	53'	TRIM / REMOVE
V35	TREE	560.03'	43'	TRIM / REMOVE
V47	TREE	629.10'	5'	TRIM / REMOVE
V48	TREE	556.68'	23'	TRIM / REMOVE
V49	TREE	543.25'	5'	TRIM / REMOVE
V50	TREE	550.07'	4'	TRIM / REMOVE
V51	TREE	557.28'	2'	TRIM / REMOVE
V53	TREE	565.30'	12'	TRIM / REMOVE
V56	TREE	545.10'	12'	TRIM / REMOVE
V57	TREE	556.70'	11'	TRIM / REMOVE
V58	TREE	582.01'	48'	TRIM / REMOVE
V59	TREE	552.68'	23'	TRIM / REMOVE
V60	TREE	537.62'	20'	TRIM / REMOVE
V62	TREE	534.58'	18'	TRIM / REMOVE
V63	TREE	533.98'	17'	TRIM / REMOVE
V64	TREE	527.90'	11'	TRIM / REMOVE
V65	TREE	564.57'	14'	TRIM / REMOVE
V66	TREE	538.53'	10'	TRIM / REMOVE

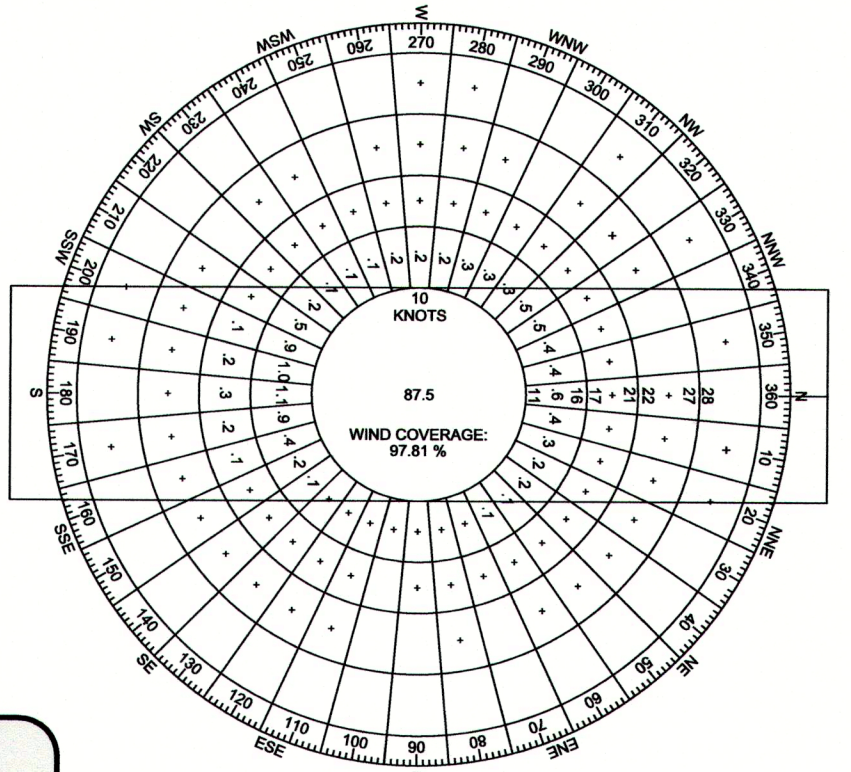
NOTE: OBSTRUCTION DATA SHOWN IS BASED ON A(V) PART 77 SURFACES AT EXISTING RUNWAY ENDS.

APPROVAL BLOCK	
	3/17/2021
RANDY HEADLY, COUNTY MAYOR	DATE

GENERAL NOTES	
1.	REFER TO TERMINAL AREA PLAN FOR ON-AIRPORT BUILDING IDENTIFICATION.
2.	REFER TO INNER APPROACH PLANS FOR PENETRATIONS TO APPROACH SURFACES.
3.	PROPERTY IS OWNED BY THE U.S. ARMY CORPS OF ENGINEERS, AIRPORT PROPERTY LINE INDICATES LIMITS OF AIRPORT LEASE.
4.	PROPERTY LINE LOCATION SHOWN IS APPROXIMATE.
5.	ALL PROPOSED GVGS SITINGS MUST BE IN ACCORDANCE WITH FAA GUIDANCE.
6.	ALL COORDINATES BASED ON NAD 83; ELEVATIONS BASE ON NAVD 88.
7.	PAVEMENT STRENGTH IS LISTED AS SHOWN ON PRIOR ALP / MASTER RECORD.
8.	RUNWAY MEETS LINE OF SIGHT REQUIREMENTS, PER FAA AC 150/5300-13A.
9.	TYPE OF AERONAUTICAL SURVEY REQUIRED FOR ULTIMATE INSTRUMENT APPROACH: NOT VERTICALLY GUIDED.
10.	SEE ALP NARRATIVE REPORT FOR TRAVERSE WAY INFORMATION.
11.	EXISTING 75' RUNWAY WIDTH EXCEEDS FAA-B(S) STANDARD NON AIP ELIGIBLE PORTION WILL REQUIRE ADDITIONAL FUNDING CONSIDERATION.
12.	RUNWAY END IDENTIFICATION NUMBERS ARE INTENDED TO BE CHANGED TO 01/19.
13.	SEE TERMINAL AREA DRAWING FOR WETLAND FEATURES.

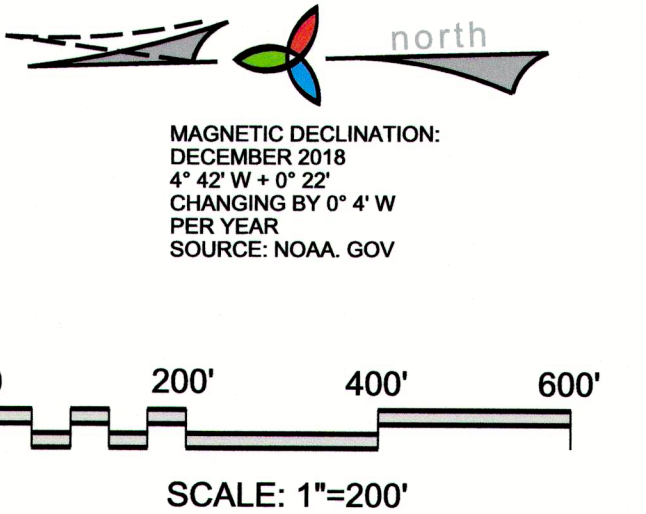
TAD APPROVAL BLOCK	
CONDITIONALLY APPROVED	
	3-19-21
John Paul Seaberg	DATE
State Block Grant Program Tennessee Dept. of Transportation Subject to comments in Approval Letter	

LEGEND		
	EXISTING	ULTIMATE
RUNWAY CENTERLINE		
RUNWAY SAFETY AREA (RSA)		
RUNWAY OBJECT FREE AREA (ROFA)		
RUNWAY OBSTACLE FREE ZONE (ROFZ)		
RUNWAY PROTECTION ZONE (RPZ)		
APPROACH SURFACE		
TAXIWAY SAFETY AREA (TSA)		
TAXIWAY OBJECT FREE AREA (TOFA)		
40:1 INSTRUMENT DEPARTURE SURFACE	N/A	
20' BUILDING RESTRICTION LINE (BRL)	N/A	
AIRPORT PAVEMENT		
AIRPORT REFERENCE POINT		
AIRPORT BUILDINGS		
AIRPORT PROPERTY LINE / EASEMENTS		
FENCE - 10' HEIGHT		
* GROUND ELEVATIONS CONTOURS		
PAVEMENT OR BUILDING TO BE REMOVED		
GVGS (PAPTS)		
RUNWAY END IDENTIFIER LIGHTS (REILs)		
WINDCONE		
RUNWAY LIGHTS (PROPOSED)		
TAXIWAY LIGHTS (PROPOSED)		
WINDCONE AND SEGMENTED CIRCLE		
AVIGATION EASEMENTS		
PART 77 VIOLATIONS		
* 2 - FOOT CONTOUR INTERVAL		



ALL WEATHER WIND ROSE

SOURCE: NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NC
NASHVILLE INTERNATIONAL AIRPORT
NASHVILLE, TN
2008 - 2017
OF OBSERVATIONS - 130,805
COVERAGE: 10.5 KNOTS = 97.81%



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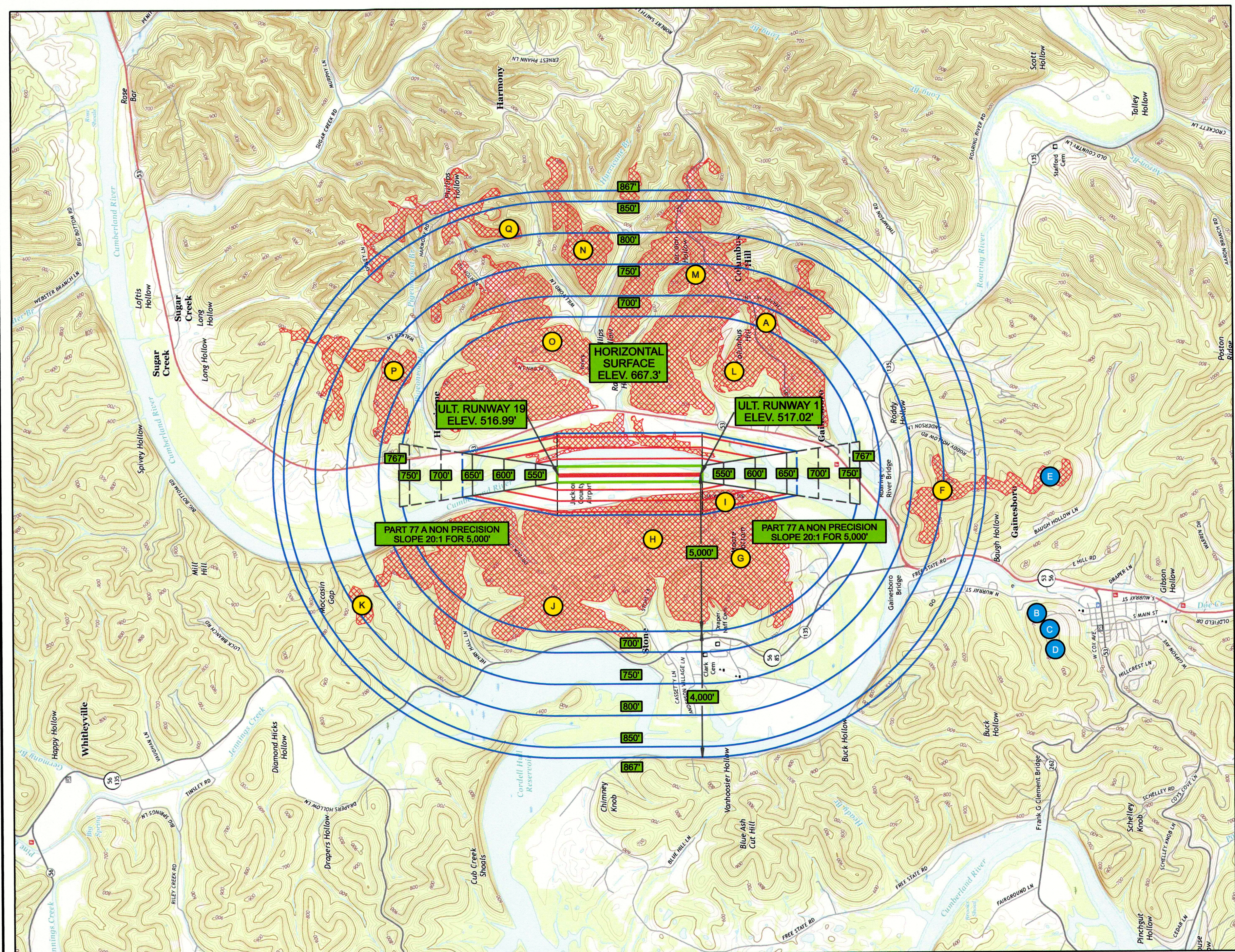
DR.	CHK.	DATE	DESCRIPTION
ES	TO	NOV. 2018	30% REVIEW
ES	TO	AUGUST 2019	60% REVIEW
ES	TO	APRIL 2020	90% REVIEW
ES	TO	APRIL 2020	FINAL TAD REVIEW
ES	TO	JUNE 2020	FINAL

AIRPORT LAYOUT DRAWING
AIRPORT LAYOUT PLAN SET
JACKSON COUNTY AIRPORT
GAINESBORO, JACKSON COUNTY, TENNESSEE
T.A.D. NO. 44-555-0115-18

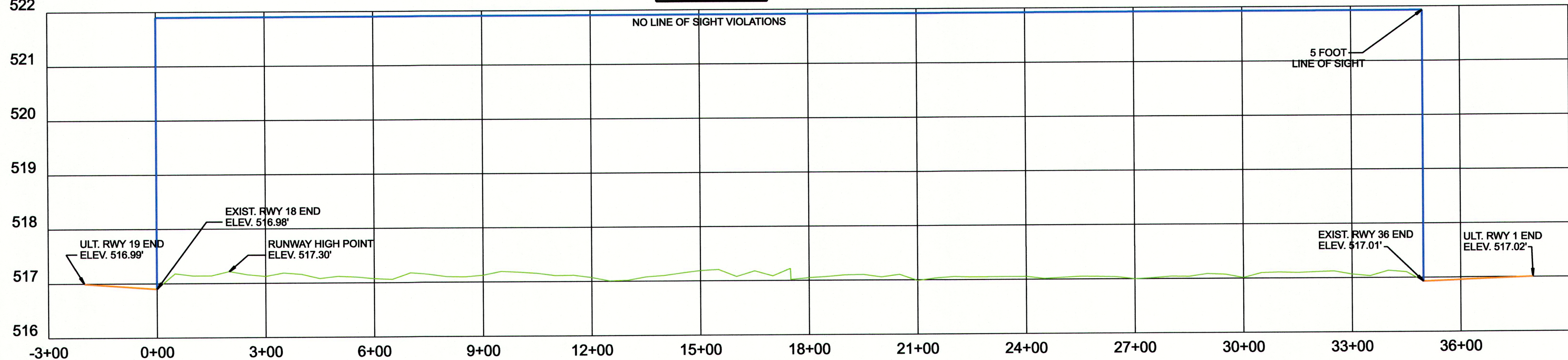
SHEET

1

PROJECT NO:
13704-01

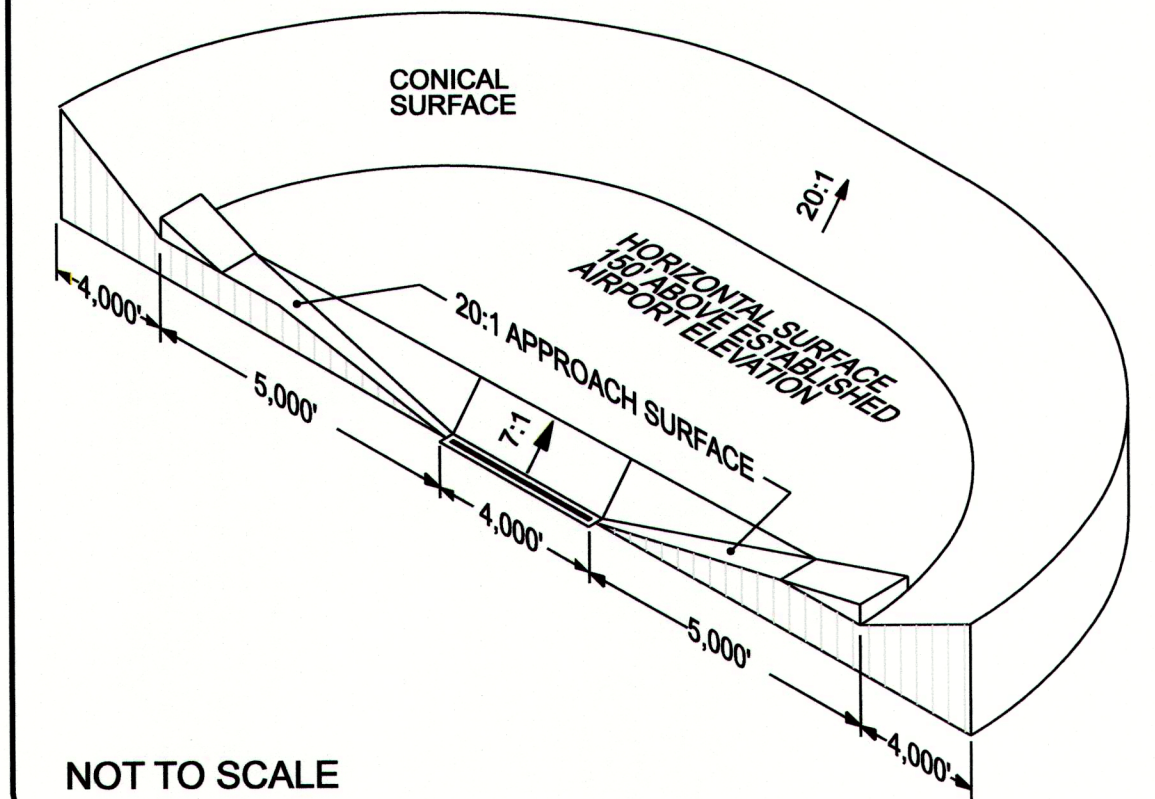


PLAN VIEW



RUNWAY PROFILE

ISOMETRIC VIEW



OBSTACLES

ITEMS WITHIN VICINITY OF AIRPORT WITH NO PENETRATION TO PART 77

#	DESCRIPTION	TOP ELEVATION	GROUND ELEVATION	STRUCTURE HEIGHT	PT. 77 SURFACE LOCATION
B	TOWER	906'	850'	56'	NONE
C	TOWER	1,073'	910'	163'	NONE
D	TOWER	1,132'	872'	260'	NONE
E	TREES	1,070.9'	N/A	N/A	OUTER APPR.

FAR PART 77 OBSTRUCTIONS

#	DESCRIPTION	TOP ELEVATION	SURFACE ELEVATION	PENETRATION AMOUNT	PART 77 SURFACE
A	TOWER	995'	688'	307'	CONICAL
F	TREES	1,046.0'	927.9'	218'	CONICAL
G	TREES	1,054.3'	667.3'	388'	HORIZONTAL
H	TREES	1,041.3'	667.3'	374'	HORIZONTAL
I	TREES	988.9'	665.1'	324'	TRANSITIONAL
J	TREES	1,057.0'	667.3'	390'	HORIZONTAL
K	TREES	1,060.7'	808.8'	252'	CONICAL
L	TREES	940.0'	667.3'	273'	HORIZONTAL
M	TREES	1,012.2'	752.5'	260'	CONICAL
N	TREES	1,067.2'	760.7'	307'	CONICAL
O	TREES	998.7'	667.3'	331'	HORIZONTAL
P	TREES	1,027.0'	730.9'	296'	CONICAL
Q	TREES	1,028.0'	815.4'	213'	CONICAL

NOTES

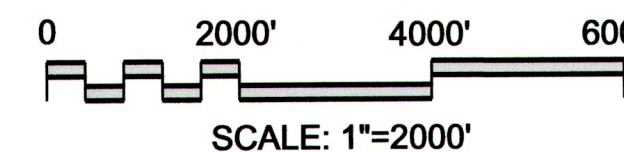
- PART 77 AIRSPACE SHOWN REFLECTS A (NP) APPROACH SURFACES.
- DATE OF OBSTRUCTION SURVEY: SEPT. 30, 2018.
- RED HATCHING SHOWING PART 77 TREE AND TERRAIN OBSTRUCTIONS (CAPTURED DURING AGIS SURVEY) IDENTIFYING AREAS INSIDE OF THE AIRPORTS EXISTING AIRSPACE.
- SEE AFD AND INNER APPROACH PLANS FOR OBSTRUCTIONS WITHIN PRIMARY, APPROACH, AND TRANSITIONAL PART 77 SURFACES.
- OBSTRUCTION DATA SHOWN REFLECTS A (V) OBSTRUCTION ANALYSIS.

LEGEND

DESCRIPTION	ULTIMATE
APPROACH SURFACE	
CONICAL SURFACE / HORIZONTAL SURFACE	
TRANSITIONAL SURFACE	
PRIMARY SURFACE	
PART 77 OBSTRUCTIONS	
OBSTACLES	
PART 77 PENETRATIONS	



MAGNETIC DECLINATION:
DECEMBER 2018
4° 42' W ± 0° 21'
CHANGING BY 0° 5' W
PER YEAR
SOURCE: NOAA.GOV



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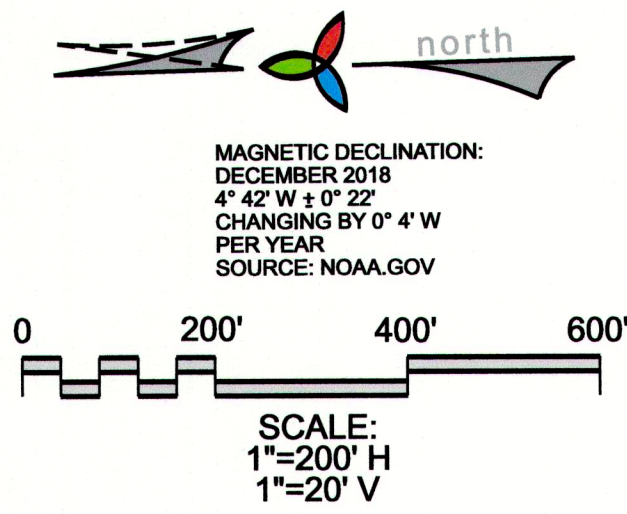
DR.	CHK.	DATE	DESCRIPTION
ES	TO	NOV. 2018	30% REVIEW
ES	TO	AUGUST 2019	60% REVIEW
ES	TO	APRIL 2020	90% REVIEW
ES	TO	APRIL 2020	FINAL TAD REVIEW
ES	TO	JUNE 2020	FINAL

AIRSPACE DRAWING
AIRPORT LAYOUT PLAN SET
JACKSON COUNTY AIRPORT
GAINESBORO, JACKSON COUNTY, TENNESSEE
T.A.D. NO. 44-555-0115-18

SHEET

3

PROJECT NO:
13704-01



LEGEND	
SYMBOL	DESCRIPTION
	TREE
	BUILDING
	ROAD
	CREEK

LEGEND		
	EXISTING	ULTIMATE
RUNWAY CENTERLINE		
RUNWAY SAFETY AREA (RSA)		
RUNWAY OBJECT FREE AREA (ROFA)		
RUNWAY OBSTACLE FREE ZONE (ROFZ)		
RUNWAY PROTECTION ZONE (RPZ)		
APPROACH SURFACE		
40:1 ULTIMATE DEPARTURE SURFACE		
TAXIWAY OBJECT FREE AREA (TOFA)		
TAXIWAY SAFETY AREA (TSA)		
BUILDING RESTRICTION LINE (BRL)		
AIRPORT PAVEMENT		
OTHER BUILDINGS		
AIRPORT PROPERTY LINE		
FENCE		
GROUND ELEVATIONS CONTOURS *		
RUNWAY END IDENTIFIER LIGHTS (REILs)		
PART 77 VIOLATIONS		

* 2-FT CONTOUR INTERVAL

NOTES

- SEE AIRPORT LAYOUT DRAWING FOR INFORMATION OF PART 77 VIOLATIONS SHOWN ABOVE TO TRANSITIONAL SURFACES.
- DATE OF OBSTRUCTION SURVEY: SEPT. 30, 2018.
- ULT. TERPS AND ULT. PT 77 SHOWN ON PROFILE VIEW ARE COINCIDENT.
- COMPOSITE GROUND PROFILE DERIVED FROM EXISTING APPROACH SURFACE LIMIT.

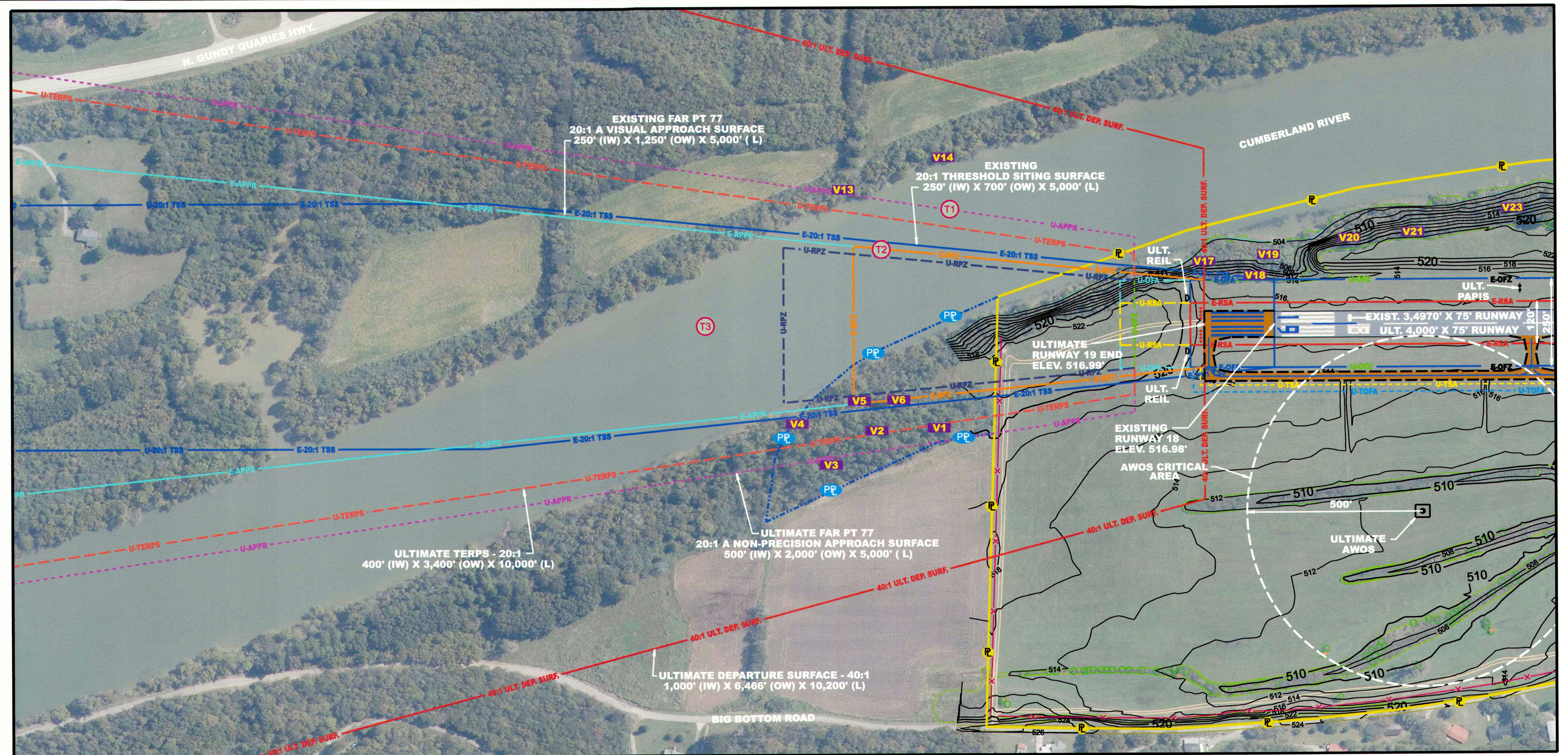
TRAVERSE WAY

#	NAME	* GROUND ELEVATION (FT.)	EXIST. / ULT. APPROACH SURFACE ELEVATION (FT.)	EXIST. / ULT. PENETRATION (FT.)	EXIST. / ULT. PROPOSED ACTION
T1	RWY 19 ULTIMATE APPROACH-CUMBERLAND RIVER	509'	544'	6'	NOTAM AS NEEDED
T2	RWY 18 EXISTING APPROACH-CUMBERLAND RIVER	509'	584'	NONE	NONE
T3	RWY 18 CENTERLINE-CUMBERLAND RIVER	509'	588'	NONE	NONE

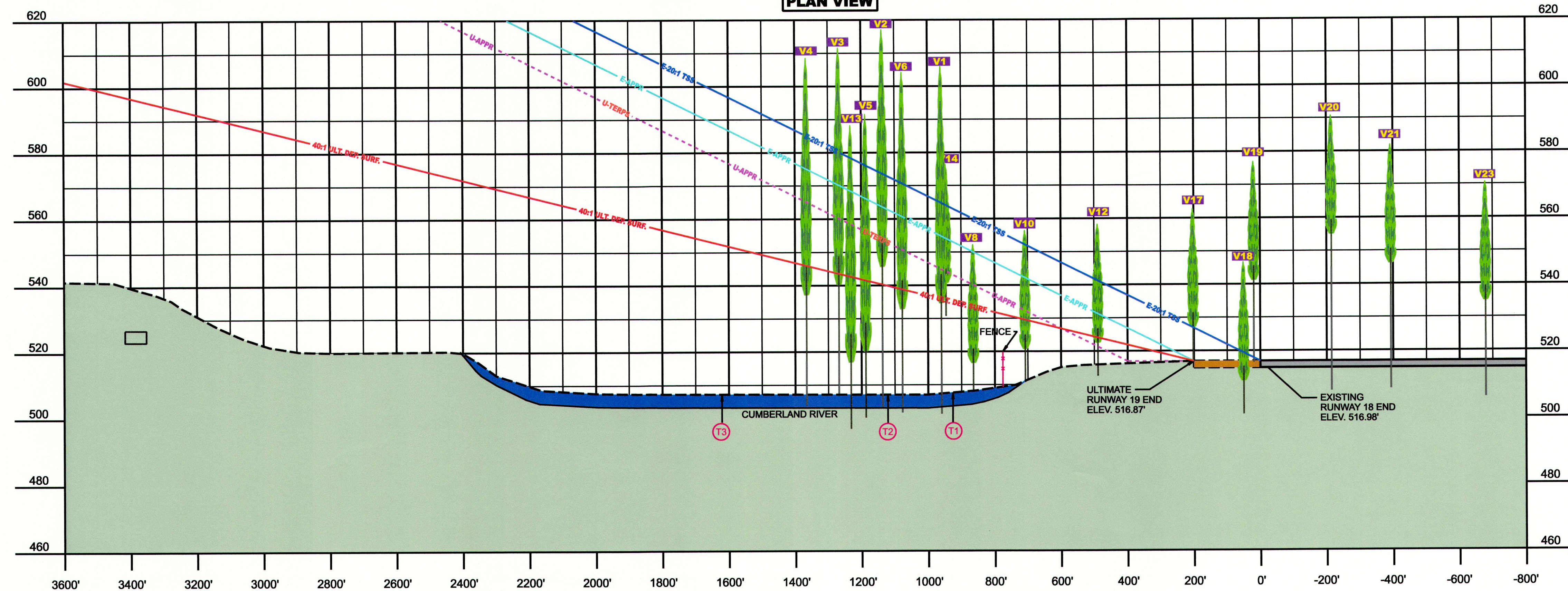
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OBSTRUCTION DATA

PART 77 20:1 APPROACH SURFACE & TRANSITIONAL SURFACE				
#	DESCRIPTION	OBJECT ELEVATION	EXISTING PENETRATION	PROPOSED DISPOSITION
V1	TREE	605.85'	51'	TRIM / REMOVE
V2	TREE	617.50'	54'	TRIM / REMOVE
V3	TREE	611.95'	42'	TRIM / REMOVE
V4	TREE	607.41'	32'	TRIM / REMOVE
V5	TREE	591.90'	26'	TRIM / REMOVE
V6	TREE	604.10'	43'	TRIM / REMOVE
V13	TREE	588.09'	20'	TRIM / REMOVE
V14	TREE	576.81'	4'	TRIM / REMOVE
V17	TREE	563.10'	46'	TRIM / REMOVE
V18	TREE	546.55'	30'	TRIM / REMOVE
V19	TREE	576.92'	60'	TRIM / REMOVE
V20	TREE	591.00'	73'	TRIM / REMOVE
V21	TREE	582.85'	63'	TRIM / REMOVE
V23	TREE	570.85'	42'	TRIM / REMOVE



PLAN VIEW



PROFILE VIEW



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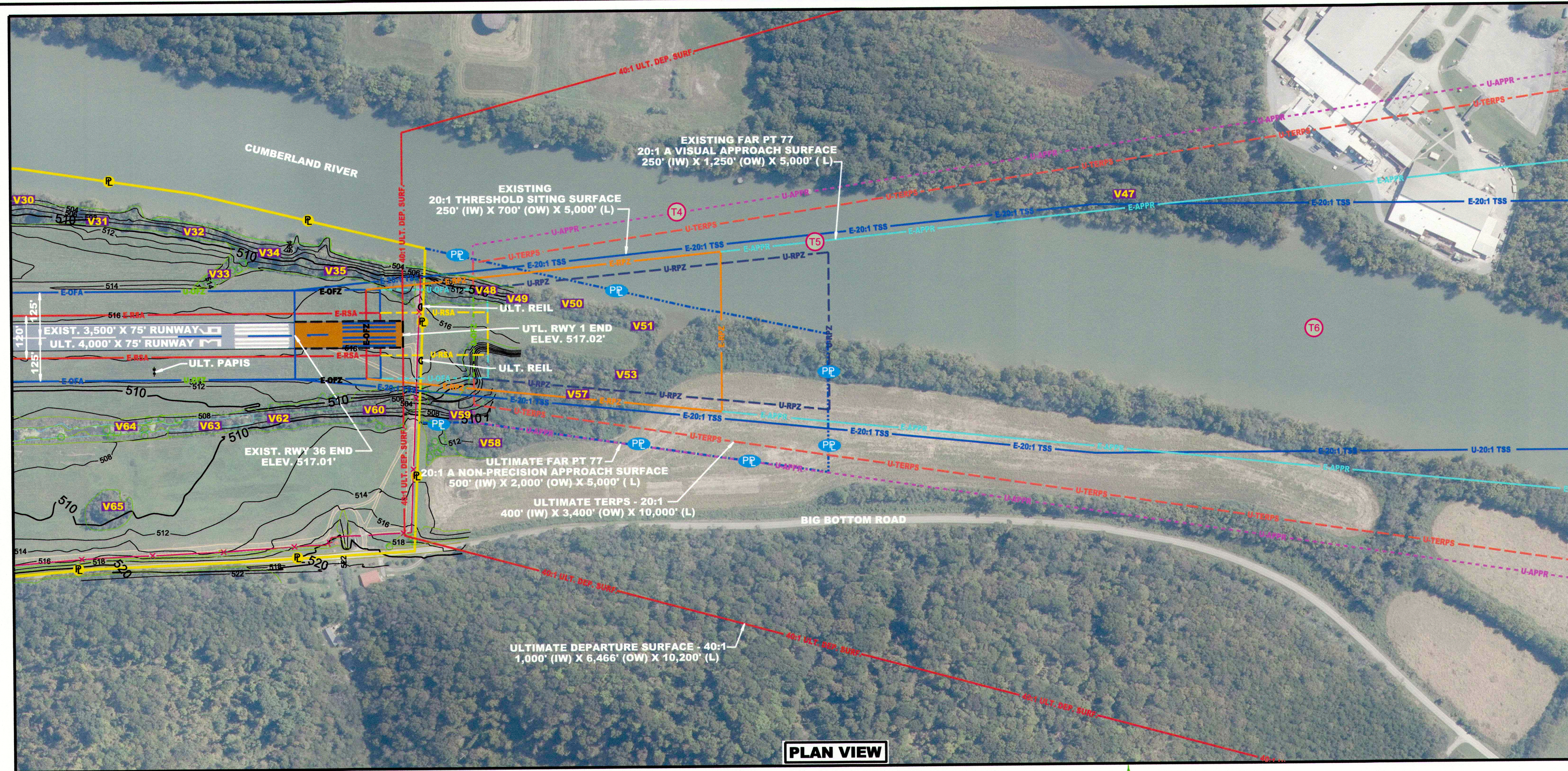
INNER APPROACH SURFACE DRAWING - RUNWAY 18

AIRPORT LAYOUT PLAN SET
JACKSON COUNTY AIRPORT
GAINESBORO, JACKSON COUNTY, TENNESSEE
T.A.D. NO. 44-555-0115-18

SHEET

4

PROJECT NO:
13704-01



MAGNETIC DECLINATION:
DECEMBER 2018
4° 42' W ± 0° 22'
CHANGING BY 0° 4' W
PER YEAR
SOURCE: NOAA.GOV

0 200' 400' 600'

SCALE:
1"=200' H
1"=20' V

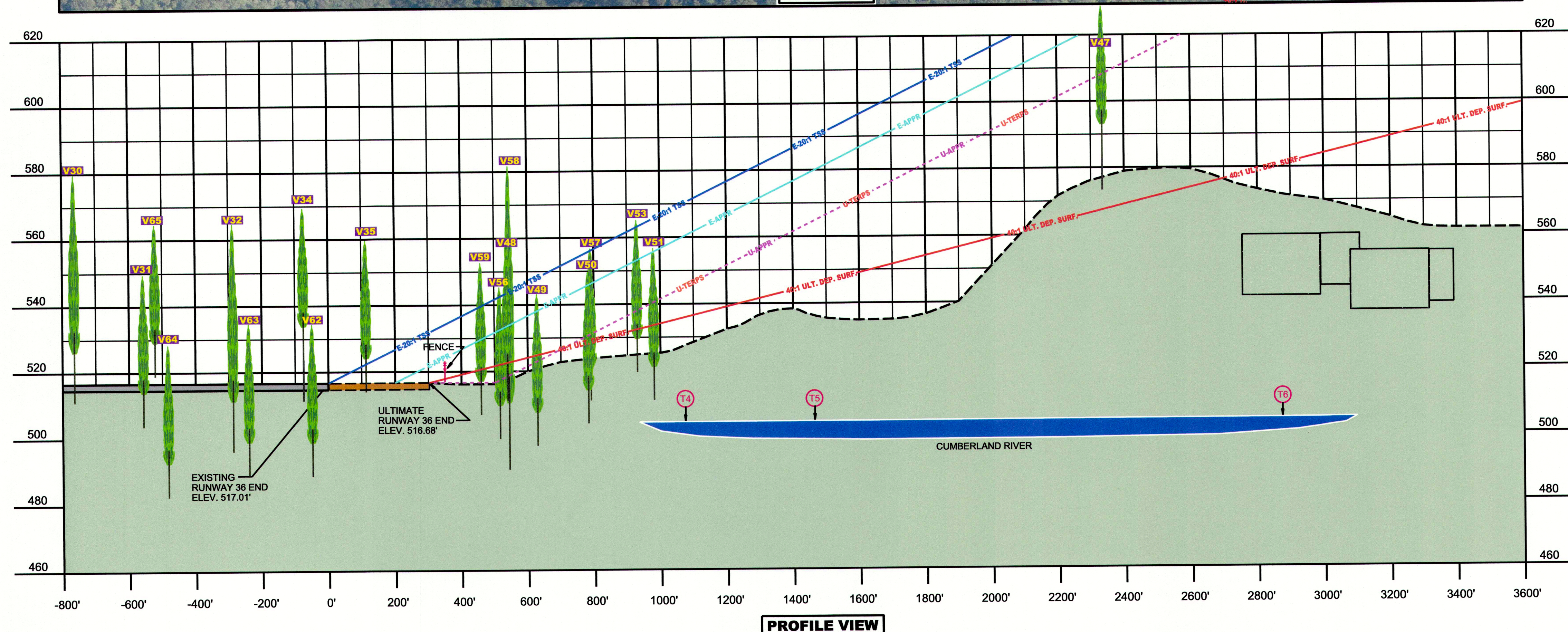
	LEGEND	
	EXISTING	ULTIMATE
RUNWAY CENTERLINE	E-RSA	U-RSA
RUNWAY SAFETY AREA (RSA)	E-RSA	U-RSA
RUNWAY OBJECT FREE AREA (ROFA)	E-OFZ	U-OFZ
RUNWAY OBSTACLE FREE ZONE (ROFZ)	E-OFZ	U-OFZ
RUNWAY PROTECTION ZONE (RPZ)	E-RPZ	U-RPZ
APPROACH SURFACE	E-ASA	U-ASA
40:1 ULTIMATE DEPARTURE SURFACE	N/A	40:1 ULT. DEP. SURF.
TAXIWAY OBJECT FREE AREA (TOFA)	E-TOFA	U-TOFA
TAXIWAY SAFETY AREA (TSA)	E-TSA	U-TSA
BUILDING RESTRICTION LINE (BRL)	E-BRL	U-BRL
AIRPORT PAVEMENT	E-PAV	U-PAV
OTHER BUILDINGS	E-BLDG	U-BLDG
AIRPORT PROPERTY LINE	E-APL	U-APL
FENCE	E-FENCE	U-FENCE
GROUND ELEVATIONS CONTOURS *	E-CONTOUR	U-CONTOUR
RUNWAY END IDENTIFIER LIGHTS (REILs)	E-REIL	U-REIL
PART 77 VIOLATIONS	E-VIOL	U-VIOL

* 2-FT CONTOUR INTERVAL

LEGEND	
SYMBOL	DESCRIPTION
	TREE
	BUILDING
	ROAD
	CREEK

TRAVERSE WAY					
#	NAME	* GROUND ELEVATION (FT.)	EXIST. / ULT. APPROACH SURFACE ELEVATION (FT.)	EXIST. / ULT. PENETRATION (FT.)	EXIST. / ULT. PROPOSED ACTION
T4	RWY 1 ULTIMATE APPROACH-CUMBERLAND RIVER	509'	544'	6'	NOTAM AS NEEDED
T5	RWY 36 EXISTING APPROACH-CUMBERLAND RIVER	509'	584'	NONE	NONE
T6	RWY 36 CENTERLINE - CUMBERLAND RIVER	509'	650'	NONE	NONE

* GROUND ELEVATION IS REPRESENTATIVE OF NORMAL POOL WATER ELEVATION BUT CAN FLUCTUATE DAILY BASED ON UP RIVER RESERVOIRS OPERATIONS. SEE ALP NARRATIVE FOR FURTHER INFORMATION.



OBSTRUCTION DATA				
PART 77 20:1 APPROACH SURFACE & TRANSITIONAL SURFACE				
#	DESCRIPTION	OBJECT ELEVATION	EXISTING PENETRATION	PROPOSED DISPOSITION
V30	TREE	580.18'	43'	TRIM / REMOVE
V31	TREE	550.70'	22'	TRIM / REMOVE
V32	TREE	564.20'	41'	TRIM / REMOVE
V33	TREE	524.60'	8'	TRIM / REMOVE
V34	TREE	570.25'	53'	TRIM / REMOVE
V35	TREE	560.03'	43'	TRIM / REMOVE
V47	TREE	629.10'	5'	TRIM / REMOVE
V48	TREE	556.68'	23'	TRIM / REMOVE
V49	TREE	543.25'	5'	TRIM / REMOVE
V50	TREE	550.07'	4'	TRIM / REMOVE
V51	TREE	557.28'	2'	TRIM / REMOVE
V53	TREE	565.30'	12'	TRIM / REMOVE
V56	TREE	545.10'	12'	TRIM / REMOVE
V57	TREE	556.70'	11'	TRIM / REMOVE
V58	TREE	582.01'	48'	TRIM / REMOVE
V59	TREE	552.68'	23'	TRIM / REMOVE
V60	TREE	537.62'	20'	TRIM / REMOVE
V62	TREE	534.58'	18'	TRIM / REMOVE
V63	TREE	533.98'	17'	TRIM / REMOVE
V64	TREE	527.90'	11'	TRIM / REMOVE
V65	TREE	564.57'	14'	TRIM / REMOVE
V66	TREE	538.53'	10'	TRIM / REMOVE

NOTES

- SEE AIRPORT LAYOUT DRAWING FOR INFORMATION OF PART 77 VIOLATIONS SHOWN ABOVE TO TRANSITIONAL SURFACES.
- DATE OF OBSTRUCTION SURVEY: SEPT. 30, 2018.
- ULT. TERPS AND ULT. PT 77 SHOWN ON PROFILE VIEW ARE COINCIDENT.
- COMPOSITE GROUND PROFILE DERIVED FROM EXISTING APPROACH SURFACE LIMIT.



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DR.	CHK.	DATE	DESCRIPTION
ES	TO	NOV. 2018	30% REVIEW
ES	TO	AUGUST 2019	60% REVIEW
ES	TO	APRIL 2020	90% REVIEW
ES	TO	APRIL 2020	FINAL TAD REVIEW
ES	TO	JUNE 2020	FINAL

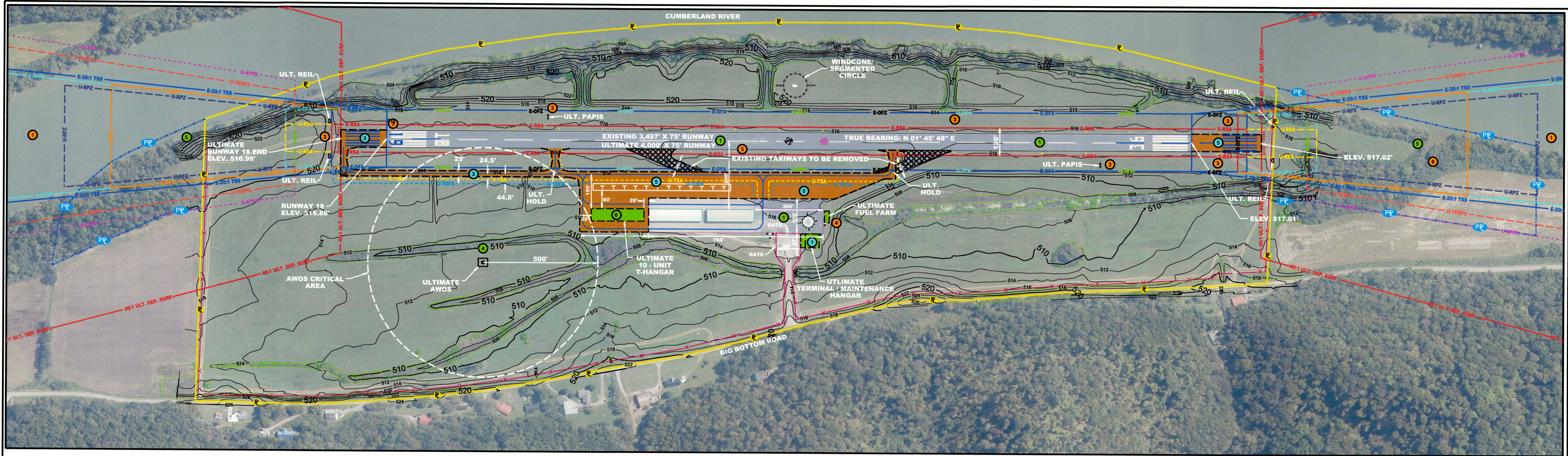
INNER APPROACH SURFACE DRAWING - RUNWAY 36

AIRPORT LAYOUT PLAN SET
JACKSON COUNTY AIRPORT
GAINESBORO, JACKSON COUNTY, TENNESSEE
T.A.D. NO. 44-555-0115-18

SHEET

5

PROJECT NO:
13704-01



PROPOSED AIRPORT CAPITAL IMPROVEMENT PLAN PROJECTS					
STAGE I = YEAR 0-3		STAGE II = YEAR 4-6		STAGE III = YEAR 7+	
PROJECT	COST	PROJECT	COST	PROJECT	
1 AIRFIELD PAVEMENT MAINTENANCE The proposed project includes seal coat and re-marking activities for the runway, taxiway, and apron pavement surfaces at the Jackson County Airport.	\$200,000	1 APPROACH DEVELOPMENT This project will confirm the previous obstruction clearing survey and include federal coordination with the development of existing and ultimate instrument approach procedures at 1A7 and determine if any additional clearing is required.	\$25,000	1 TERMINAL / MAINT. HANGAR - PHASE II CONSTRUCTION This project would consist of the construction of the new 60' x 60' maintenance hangar and 20' x 20' terminal lean-to. It would include site preparation, hangar erection and utility installation.	
2 PHASE I T-HANGAR - ENVIRONMENTAL AMENDMENT This amendment will extend the existing preliminary grant period and add additional funding for an environmental assessment for the T-hangar location.	\$120,000	2 PHASE I AIRFIELD LIGHTING - PRE-DESIGN THRU BID Pending the findings and the out come of the approach development project, this project will be for the preliminary engineering and environmental investigation of a runway lighting system, including rels and papis on both runway ends. It also includes final design thru bid of lighting system.	\$70,000	2 200' RW EXTENSION / PARTIAL PARALLEL TAXIWAY - NORTH This would cover the preliminary design thru bid including environmental evaluation for a 200' runway extension to Runway 36 and partial parallel taxiway. The project would also include design of RSA and OFA improvements and taxiway lighting and signage.	
3 PHASE II T-HANGAR - FINAL DESIGN THRU BID Upon completion of the environmental assessment, this grant will include the final design thru bid portion of the planned T-hangar construction.	\$70,000	3 PHASE II AIRFIELD LIGHTING - CONSTR. PHASE This phase of the project is for the construction phase of the airfield lighting system, and includes the installation of runway lights, papis, and rels.	\$650,000	3 200' RW EXTENSION / PARTIAL PARALLEL TAXIWAY - NORTH This project includes the construction of the 200' Runway Extension to Runway 36 and partial parallel taxiway.	
4 AUTOMATED WEATHER OBSERVATION SYSTEM In order to provide accurate and reliable meteorological data, the Jackson County Airport is proposing installation of an Automated Weather Observation System (AWOS) Type III or similar. This will improve aircraft safety as well as provide public access to critical weather data via UNICOM, internet, and telephone.	\$125,000	4 4,000 GALLON FUEL FARM - 100LL The Jackson County Airport currently has no fueling capabilities. A proposed project to install a 100 low lead tank and dispensing cabinet with card reader is suggested in order to provide fueling for both permanent and itinerant aircraft.	\$375,000	4 APRON EXPANSION / 303' RUNWAY EXTENSION - SOUTH This would cover the preliminary design thru bid including environmental evaluation for a 303' Runway Extension to Runway 18 and expansion of the terminal area parking ramp. The project would include design for the grading of the RSA and OFA and would correct the direct access of the bullhorn taxiways to the aircraft parking ramp.	
5 OBSTRUCTION CLEARING This project will entail additional obstruction clearing to the limits of a future A (NP) PT 77 approach on or near airport property in preparation for future approach development.	\$75,000	5 TERMINAL / MAINT. HANGAR - DESIGN THRU BID While the airport should be supported with adequate T-Hangar aircraft storage facilities, there are no current facilities to satisfy aircraft maintenance needs or provide services for itinerant users of the airfield. A terminal maintenance hangar would provide this needed improvement to the airport. This project would provide for the design thru bid of a new 60' x 60' maintenance hangar with a 20' x 60' terminal lean-to.	\$85,000	5 APRON EXPANSION / 303' RUNWAY EXTENSION - SOUTH This project would cover the construction of the 303' Runway Extension, RSA and OFA grading, ramp expansion and taxiway modifications.	
6 PHASE III T-HANGAR - CONSTRUCTION Phase III of this project will be for the construction portion of the planned T-hangar project and will include site preparation, permitting, and erection of a 10-unit T-hangar and associated hangar apron with construction observation.	\$900,000	6 ADDITIONAL LAND LEASE FOR APPROACH CONTROL This project is for the coordination and acquisition of the lease needed to provide for the future runway extension and control the approach/rp.	\$0	6 OBSTRUCTION REMOVAL This project is a placeholder for vital future obstruction removal of any penetrations to state or federal approach surfaces.	
STAGE I TOTAL	\$1,495,000	STAGE II TOTAL	\$1,205,000		

PROJECTS LISTED ABOVE THAT CONTAIN NO ON-AIRPORT CONSTRUCTION ARE NOT SHOWN ON DRAWING.

NOTES

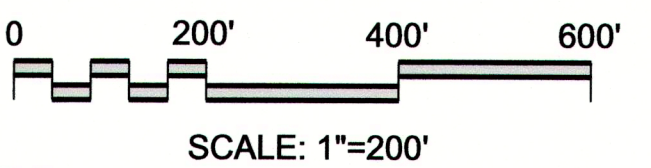
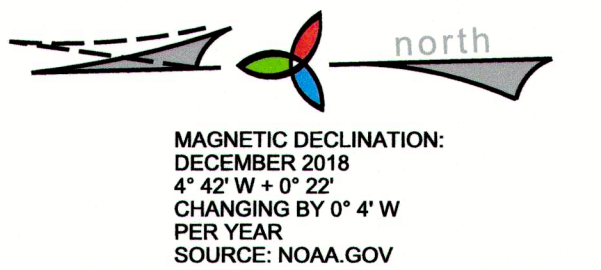
1. ESTIMATED COST NOT BASED ON DETAILED DESIGN.
2. ALL COSTS ARE SHOWN IN TERMS OF 2020 DOLLARS.
3. AIRPORT CAPITAL IMPROVEMENT PLAN UPDATES REQUIRED ON AN ANNUAL BASIS.
4. SEE ALP NARRATIVE REPORT FOR MORE DESCRIPTIVE PROJECT DETAILS AND JUSTIFICATION.

AVIATION ACTIVITY SUMMARY - 2019			
BASED AIRCRAFT	#	OPERATIONS	#
SINGLE ENGINE	16	AIR TAXI	
MULTI-ENGINE	-	GA LOCAL	3,100
TURBINE	-	GATINERANT	150
OTHER	-	MILITARY	200
TOTAL:	16	TOTAL:	3,450
T-HANGAR WAITING LIST	28	INSTRUMENT OPERATIONS	N/A
CRITICAL AIRCRAFT	BEECH BARON	CRITICAL AIRCRAFT OPS (B-I FLEET MIX)	500+
ULTIMATE CRITICAL AIRCRAFT	SAME	ULTIMATE CRITICAL AIRCRAFT OPS	SAME
		EXISTING	ULTIMATE
RUNWAY DESIGN CODE	B/I(S)/VIS	B/I(S)/5000	
APPROACH REFERENCE CODE	B/I(S)/VIS	B/I(S)/5000	
DEPARTURE REFERENCE CODE	B/I(S)	B/I(S)	

NOTE:
BASED AIRCRAFT AND OPERATIONAL COUNTS PULLED FROM AIRPORTS 5010 MASTER RECORD
DATED MARCH 2020; AIRFIELD FACILITY DATA EFFECTIVE 02-27-20.

LEGEND		
	EXISTING	ULTIMATE
RUNWAY CENTERLINE	— E-BSA —	— U-BSA —
RUNWAY SAFETY AREA (RSA)	— E-BSA —	— U-BSA —
RUNWAY OBJECT FREE AREA (ROFA)	— E-OFZ —	— U-OFZ —
RUNWAY OBSTACLE FREE ZONE (ROFZ)	— E-OFZ —	— U-OFZ —
RUNWAY PROTECTION ZONE (RPZ)	— E-RPZ —	— U-RPZ —
APPROACH SURFACE	— E-APPS —	— U-APPS —
TAXIWAY SAFETY AREA (TSA)	— E-TSA —	— U-TSA —
TAXIWAY OBJECT FREE AREA (TOFA)	— E-TOFA —	— U-TOFA —
40:1 ULTIMATE DEPARTURE SURFACE	N/A	— 40:1 ULT. DEP. SURF. —
35' BUILDING RESTRICTION LINE (BRL)		SAME
AIRPORT PAVEMENT		
AIRPORT REFERENCE POINT		
AIRPORT BUILDINGS	SEE PHOTO	
AIRPORT PROPERTY LINE / EASEMENTS	— P —	— PP —
FENCE - 10' HEIGHT		
* GROUND ELEVATIONS CONTOURS	— 510 —	— 510 —
PAVEMENT OR BUILDING TO BE REMOVED	N/A	XXXXXX
GVCSI (PAPs)	N/A	
RUNWAY END IDENTIFIER LIGHTS (REILs)	N/A	
WINDCONE		
RUNWAY LIGHTS (PROPOSED)	N/A	
TAXIWAY LIGHTS (PROPOSED)	N/A	
WINDCONE AND SEGMENTED CIRCLE		
PART 77 VIOLATIONS	— V21 —	— V21 —

* 2 - FOOT CONTOUR INTERVAL



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