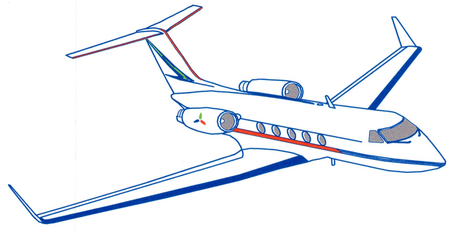
AIRPORT LAYOUT PLAN SET
AT THE
HUMPHREYS COUNTY AIRPORT
TAD NO. 43-555-0722-04
PREPARED FOR
HUMPHREYS COUNTY



STATE OF TENNESSEE

HONORABLE BILL HASLAM, GOVERNOR

DEPARTMENT OF TRANSPORTATION

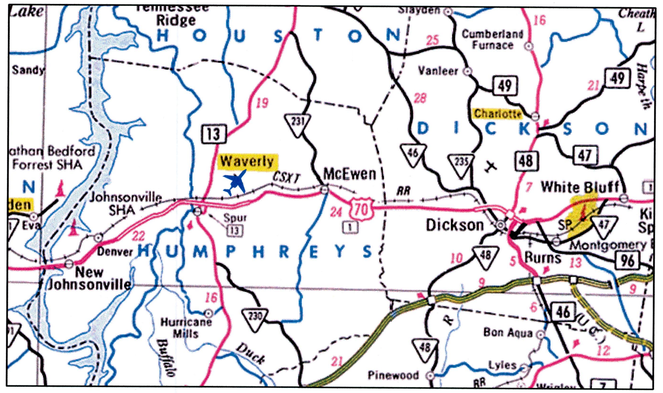
JOHN SCHROER, COMMISSIONER

TENNESSEE AERONAUTICS DIVISION

ROBERT V. WOODS, DIRECTOR
TOM BURGESS, P.E., CHIEF ENGINEER
BRIAN CALDWELL, CHIEF PLANNER

HUMPHREYS COUNTY

JESSIE R. WALLACE, COUNTY EXECUTIVE



SITE LOCATION MAP

1005 AIRPORT ROAD
WAVERLY, TN 37185

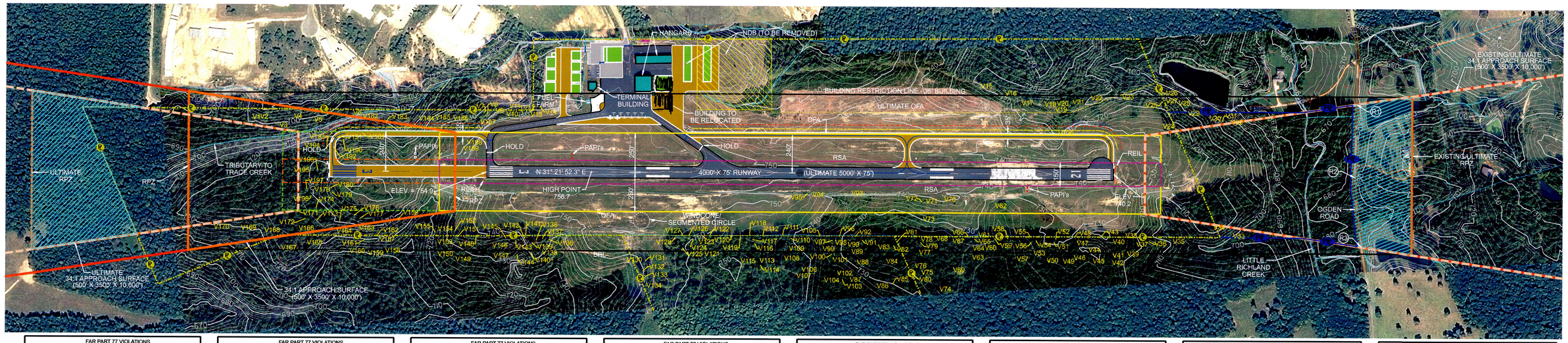
INDEX OF DRAWINGS

PLANNING DESIGN & CONSTRUCTION
CONSULTANTS

PDC CONSULTANTS, LLC.
133 Holiday Court
Suite 102
Franklin, TN 37067
Phone: (615) 614-0121
Fax: (615) 614-0124

NOVEMBER 2011

PDC JOB NUMBER : 11901-01



FAR PART 77 VIOLATIONS

SYMBOL	ELEVATION	VIOLATION		DISPOSITION
		EXISTING	ULTIMATE	
V1	772.72	-	2.2'	REMOVE
V2	773.25	-	2.6'	REMOVE
V3	770.65	-	8.8'	REMOVE
V4	779.21	-	9.9'	REMOVE
V5	768.03	-	1.9'	REMOVE
V6	777.77	-	3.9'	TRIM
V7	786.48	12.7'	12.9'	TRIM / REMOVE
V8	788.23	16.5'	16.7'	TRIM / REMOVE
V9	787.18	12.1'	12.2'	TRIM / REMOVE
V10	792.88	20.5'	20.5'	TRIM / REMOVE
V11	793.19	19.8'	19.8'	TRIM / REMOVE
V12	793.45	16.7'	16.7'	TRIM / REMOVE
V13	786.41	13.7'	13.7'	TRIM / REMOVE
V14	783.93	4.1'	4.1'	TRIM
V15	794.76	7.4'	7.4'	TRIM
V16	783.56	3.1'	3.1'	TRIM
V17	787.24	15.9'	15.9'	TRIM / REMOVE
V18	776.06	6.1'	6.1'	TRIM
V19	771.99	6.9'	6.9'	TRIM
V20	774.97	4.6'	4.6'	TRIM
V21	773.46	1.9'	1.9'	TRIM
V22	785.34	10.6'	10.6'	TRIM / REMOVE
V23	779.77	4.7'	4.7'	TRIM / REMOVE
V24	781.96	32.3'	32.3'	TRIM / REMOVE
V25	779.54	7.7'	7.7'	TRIM
V26	783.17	2.1'	2.1'	TRIM

FAR PART 77 VIOLATIONS

SYMBOL	ELEVATION	VIOLATION		DISPOSITION
		EXISTING	ULTIMATE	
V27	785.39	12.1'	12.1'	TRIM / REMOVE
V28	783.30	11.4'	11.4'	TRIM / REMOVE
V29	781.43	18.2'	18.2'	TRIM / REMOVE
V30	771.97	12.3'	12.3'	TRIM / REMOVE
V31	766.20	8.9'	8.9'	TRIM
V32	769.46	12.1'	12.1'	TRIM
V33	765.44	0.6'	0.6'	TRIM
V34	766.40	10.4'	10.4'	TRIM / REMOVE
V35	767.44	0.4'	0.4'	TRIM
V36	785.18	19.2'	19.2'	TRIM / REMOVE
V37	785.87	17.9'	17.9'	TRIM / REMOVE
V38	777.60	17.7'	17.7'	TRIM / REMOVE
V39	787.95	11.2'	11.2'	TRIM / REMOVE
V40	783.48	17.8'	17.8'	TRIM / REMOVE
V41	787.53	9.6'	9.6'	TRIM
V42	786.88	2.2'	2.2'	TRIM
V43	776.66	15.8'	15.8'	TRIM / REMOVE
V44	793.27	19.5'	19.5'	TRIM / REMOVE
V45	788.52	4.7'	4.7'	TRIM
V46	788.73	7.3'	7.3'	TRIM
V47	790.12	22.0'	22.0'	TRIM / REMOVE
V48	780.90	18.1'	18.1'	TRIM / REMOVE
V49	787.82	2.9'	2.9'	TRIM
V50	788.52	4.0'	4.0'	TRIM
V51	795.36	27.4'	27.4'	TRIM / REMOVE
V52	788.12	22.8'	22.8'	TRIM / REMOVE

FAR PART 77 VIOLATIONS

SYMBOL	ELEVATION	VIOLATION		DISPOSITION
		EXISTING	ULTIMATE	
V53	793.79	15.5'	15.5'	TRIM / REMOVE
V54	794.30	27.3'	27.3'	TRIM / REMOVE
V55	783.91	19.9'	19.9'	TRIM / REMOVE
V56	796.91	28.2'	28.2'	TRIM / REMOVE
V57	791.35	7.4'	7.4'	TRIM
V58	782.10	16.0'	16.0'	TRIM / REMOVE
V59	790.95	24.6'	24.6'	TRIM / REMOVE
V60	794.07	19.7'	19.7'	TRIM / REMOVE
V61	780.96	17.8'	17.8'	TRIM / REMOVE
V62	762.05	19.1'	19.1'	REMOVE
V63	798.25	14.5'	14.5'	TRIM / REMOVE
V64	799.17	23.7'	23.7'	TRIM / REMOVE
V65	792.47	25.1'	25.1'	TRIM / REMOVE
V66	775.20	9.6'	9.6'	TRIM
V67	787.37	17.8'	17.8'	TRIM / REMOVE
V68	792.33	23.9'	23.9'	TRIM / REMOVE
V69	807.02	11.2'	11.2'	TRIM / REMOVE
V70	751.74	7.1'	7.1'	REMOVE
V71	751.40	5.7'	5.7'	REMOVE
V72	748.28	2.1'	2.1'	REMOVE
V73	755.24	3.7'	3.7'	TRIM
V74	814.08	0.1'	0.1'	TRIM
V75	803.50	3.6'	3.6'	TRIM
V76	804.87	10.7'	10.7'	TRIM / REMOVE
V77	806.25	24.4'	24.4'	TRIM / REMOVE
V78	795.67	25.5'	25.5'	TRIM / REMOVE

FAR PART 77 VIOLATIONS

SYMBOL	ELEVATION	VIOLATION		DISPOSITION
		EXISTING	ULTIMATE	
V79	792.30	19.1'	19.1'	TRIM / REMOVE
V80	817.93	16.4'	16.4'	TRIM / REMOVE
V81	792.06	18.5'	18.5'	TRIM / REMOVE
V82	799.98	22.7'	22.7'	TRIM / REMOVE
V83	806.74	28.1'	28.1'	TRIM / REMOVE
V84	809.11	17.7'	17.7'	TRIM / REMOVE
V85	815.24	3.2'	3.2'	TRIM
V86	819.25	5.2'	5.2'	TRIM
V87	819.29	9.7'	9.7'	TRIM
V88	815.81	22.5'	22.5'	TRIM / REMOVE
V89	808.18	24.2'	24.2'	TRIM / REMOVE
V90	797.84	20.2'	20.2'	TRIM / REMOVE
V91	805.23	31.8'	31.8'	TRIM / REMOVE
V92	790.48	20.0'	20.0'	TRIM / REMOVE
V93	749.31	0.7'	0.7'	REMOVE
V94	758.87	8.8'	8.8'	REMOVE
V95	758.56	8.1'	8.1'	REMOVE
V96	793.77	22.9'	22.9'	TRIM / REMOVE
V97	802.40	27.5'	27.5'	TRIM / REMOVE
V98	799.78	23.3'	23.3'	TRIM / REMOVE
V99	803.91	21.2'	21.2'	TRIM / REMOVE
V100	805.89	18.5'	18.5'	TRIM / REMOVE
V101	813.20	21.1'	21.1'	TRIM / REMOVE
V102	818.32	14.2'	14.2'	TRIM / REMOVE
V103	814.96	4.9'	4.9'	TRIM
V104	818.41	7.3'	7.3'	TRIM

FAR PART 77 VIOLATIONS

SYMBOL	ELEVATION	VIOLATION		DISPOSITION
		EXISTING	ULTIMATE	
V105	799.32	28.0'	28.0'	REMOVE
V106	816.48	14.2'	14.2'	TRIM / REMOVE
V107	815.33	7.3'	7.3'	TRIM
V108	812.90	20.2'	20.2'	TRIM / REMOVE
V109	808.63	25.1'	25.1'	TRIM / REMOVE
V110	817.27	42.4'	42.4'	TRIM / REMOVE
V111	814.54	42.1'	42.1'	TRIM / REMOVE
V112	776.42	2.5'	2.5'	TRIM / REMOVE
V113	805.74	8.4'	8.4'	TRIM
V114	809.09	8.0'	8.0'	TRIM
V115	798.59	1.0'	1.0'	TRIM
V116	793.48	12.2'	12.2'	TRIM / REMOVE
V117	790.29	12.4'	12.4'	TRIM / REMOVE
V118	786.36	12.1'	12.1'	TRIM / REMOVE
V119	794.12	18.4'	18.4'	TRIM / REMOVE
V120	789.47	14.9'	14.9'	TRIM / REMOVE
V121	802.88	10.3'	10.3'	TRIM / REMOVE
V122	782.53	7.4'	7.4'	TRIM / REMOVE
V123	786.85	9.9'	9.9'	TRIM / REMOVE
V124	796.18	16.2'	16.2'	TRIM / REMOVE
V125	800.70	12.7'	12.7'	TRIM / REMOVE
V126	792.21	15.4'	15.4'	TRIM / REMOVE
V127	790.68	14.2'	14.2'	TRIM / REMOVE
V128	788.35	9.2'	9.2'	TRIM / REMOVE
V129	749.85	7.3'	7.3'	REMOVE
V130	807.66	8.0'	8.0'	TRIM

FAR PART 77 VIOLATIONS

SYMBOL	ELEVATION	VIOLATION		DISPOSITION
		EXISTING	ULTIMATE	
V131	818.92	18.0'	18.0'	TRIM / REMOVE
V132	811.74	1.7'	1.7'	TRIM
V133	823.57	8.5'	8.5'	TRIM
V134	825.01	2.2'	2.2'	TRIM
V135	800.82	7.1'	7.1'	TRIM
V136	805.85	24.0'	24.0'	TRIM / REMOVE
V137	803.82	22.8'	22.8'	TRIM / REMOVE
V138	815.20	32.9'	32.9'	TRIM / REMOVE
V139	815.39	30.9'	30.9'	TRIM / REMOVE
V140	811.61	18.6'	18.6'	TRIM / REMOVE
V141	798.45	21.3'	21.3'	TRIM / REMOVE
V142	810.72	30.1'	30.1'	TRIM / REMOVE
V143	805.31	23.0'	23.0'	TRIM / REMOVE
V144	810.84	16.1'	16.1'	TRIM / REMOVE
V145	810.76	31.1'	31.1'	TRIM / REMOVE
V146	809.68	23.5'	23.6'	TRIM / REMOVE
V147	807.89	12.3'	12.4'	TRIM
V148	798.70	21.3'	21.6'	TRIM / REMOVE
V149	800.16	0.9'	1.7'	TRIM
V150	797.89	2.8'	4.0'	TRIM
V151	807.78	29.0'	29.5'	TRIM / REMOVE
V152	792.04	18.6'	19.1'	TRIM / REMOVE
V153	803.35	19.6'	20.6'	TRIM / REMOVE
V154	789.08	17.4'	18.2'	TRIM / REMOVE
V155	793.29	17.7'	19.1'	TRIM / REMOVE
V156	800.50	34.3'	37.2'	REMOVE

* VIOLATIONS EXIST IN EXISTING APPROACH AND ULTIMATE TRANSITION / PRIMARY SURFACES.

FAR PART 77 VIOLATIONS

SYMBOL	ELEVATION	VIOLATION		DISPOSITION
		EXISTING	ULTIMATE	
V157	800.17	15.8'	19.6'	TRIM / REMOVE
V158	793.01	-	2.3'	TRIM
V159	793.20	-	0.2'	TRIM
V160	798.42	1.6'	7.0'	TRIM
V161	798.33	11.9'	16.8'	TRIM / REMOVE
V162	799.19	17.6'	21.8'	TRIM / REMOVE
V163	806.98	31.9'	36.5'	REMOVE
V164	801.54	23.2'	29.0'	REMOVE
V165	803.48	12.2'	19.5'	TRIM / REMOVE
V166 *	805.36	22.7'	33.6'	REMOVE
V167	804.68	7.3'	15.2'	TRIM / REMOVE
V168 *	793.52	4.3'	18.7'	REMOVE
V169 *	800.62	7.1'	27.6'	REMOVE
V170	793.69	-	19.9'	REMOVE
V171 *	797.98	13.4'	42.8'	REMOVE
V172 *	801.95	19.0'	39.6'	REMOVE
V173 *	800.19	19.4'	36.1'	REMOVE
V174 *	801.76	20.9'	46.9'	REMOVE
V175 *	806.73	30.2'	42.3'	REMOVE
V176 *	800.48	26.7'	41.2'	REMOVE
V177 *	800.12	27.4'	37.9'	REMOVE
V178 *	797.63	17.8'	42.8'	REMOVE
V179 *	794.77	16.9'	39.9'	REMOVE
V180 *	798.57	20.4'	43.7'	REMOVE
V181 *	788.99	16.8'	34.1'	REMOVE
V182	774.76	1.6'	7.1'	REMOVE

* VIOLATIONS EXIST IN EXISTING APPROACH AND ULTIMATE TRANSITION / PRIMARY SURFACES.

FAR PART 77 VIOLATIONS

SYMBOL	ELEVATION	VIOLATION		DISPOSITION
		EXISTING	ULTIMATE	
V183 *	780.69	12.9'	16.5'	REMOVE
V184	781.56	12.9'	14.5'	REMOVE
V185	792.39	24.6'	25.2'	REMOVE
V186	796.76	28.9'	29.1'	REMOVE
V187	770.02	5.6'	5.7'	REMOVE
V188	767.99	12.9'	12.9'	REMOVE
V189	762.34	7.5'	7.5'	REMOVE
V190 *	788.74	12.9'	33.9'	REMOVE
V191 *	788.64	11.7'	33.8'	REMOVE
V192 *	791.27	13.6'	36.4'	REMOVE
V193 *	793.93	15.0'	39.1'	REMOVE
V194 *	784.56	2.9'	29.7'	REMOVE
V195 *	793.19	9.5'	38.3'	REMOVE
V196 *	795.25	14.6'	40.4'	REMOVE
V197 *	801.32	18.7'	46.5'	REMOVE
V198 *	799.25	17.4'	44.4'	REMOVE

* VIOLATIONS EXIST IN EXISTING APPROACH AND ULTIMATE TRANSITION / PRIMARY SURFACES.

RUNWAY DATA

ITEM		RUNWAY 3		RUNWAY 21	
		EXISTING	ULTIMATE	EXISTING	ULTIMATE
EFFECTIVE GRADIENT (%)		0.41%	SAME	0.41%	SAME
MAXIMUM GRADE CHANGE		0.50%	SAME	0.50%	SAME
WIND COVERAGE (%)		99.8%	SAME	99.8%	SAME
MAX. ELEVATION (MSL)		756.7	SAME	756.7	SAME
RUNWAY LENGTH		4000'	5000'	4000'	5000'
RUNWAY WIDTH		75'	SAME	75'	SAME
DISPLACED THRESHOLD		NONE	NONE	NONE	NONE
USABLE RUNWAY LENGTH		4000'	5000'	4000'	5000'
SURFACE TYPE		ASPHALT	SAME	ASPHALT	SAME
PAVEMENT STRENGTH	SWL	30,000 LBS.	45,000 LBS.	30,000 LBS.	45,000 LBS.
	DWL	42,000 LBS.	60,000 LBS.	42,000 LBS.	60,000 LBS.
APPROACH SURFACE SLOPE		34:1	SAME	34:1	SAME
APPROACH VISIBILITY MINIMUMS		1 MILE	SAME	1 MILE	SAME
VISUAL APPROACH AIDS		REIL, PAPI	SAME	REIL, PAPI	SAME
INSTRUMENT APPROACH AID		VOR/DME, GPS	SAME	VOR/DME, NDB, GPS	VOR/DME, GPS
RUNWAY LIGHTING		MIRL, MITL	SAME	MIRL, MITL	SAME
RUNWAY MARKING		NON-PRECISION	SAME	NON-PRECISION	SAME
STAGE LENGTH		500 MILES	SAME	500 MILES	SAME
FAR PART 77 CATEGORY		NON-PRECISION	SAME	NON-PRECISION	SAME
RUNWAY END COORDINATES (NAD 83)		N 36° 06' 42.69" W 87° 44' 29.69"	N 36° 06' 34.15" W 87° 44' 35.85"	N 36° 07' 16.83" W 87° 44' 05.03"	SAME
RUNWAY END ELEVATIONS (MSL)		754.9	SAME	740.2	SAME
TDZ ELEVATION (MSL)		756.7	SAME	755.8	SAME

RUNWAY SAFETY AREA DIMENSIONS

	WIDTH	LENGTH BEYOND RUNWAY ENDS
EXISTING	150'	300'
ULTIMATE	SAME	SAME

RUNWAY OBJECT FREE AREA DIMENSIONS

	WIDTH	LENGTH BEYOND RUNWAY ENDS
EXISTING	500'	300'
ULTIMATE	SAME	SAME

RUNWAY PROTECTION ZONE DIMENSIONS

		INNER WIDTH	OUTER WIDTH	LENGTH
RUNWAY 3	EXISTING	500'	1,010'	1,700'
RUNWAY 3	ULTIMATE	SAME	SAME	SAME
RUNWAY 21	EXISTING	500'	1,010'	1,700'
RUNWAY 21	ULTIMATE	SAME	SAME	SAME

LEGEND

DESCRIPTION	EXISTING	ULTIMATE
RUNWAY CENTERLINE		
RUNWAY SAFETY AREA (RSA)		
RUNWAY OBJECT FREE AREA (ROFA)		
RUNWAY PROTECTION ZONE (RPZ)		
TAXIWAY OBJECT FREE AREA (TOFA)		
TAXIWAY SAFETY AREA		
BUILDING RESTRICTION LINE (BRL)		
AIRPORT PAVEMENT		
AIRPORT REFERENCE POINT	◎	◎
AIRPORT BUILDINGS		
AIRPORT PROPERTY LINES	PL	PL
EASEMENT LINES	---EE---	---UE---
FENCE		—×—×—×—
ROADS		
GROUND ELEVATIONS CONTOURS (2-FOOT)	—1025—	—1025—
THRESHOLD LIGHTS	●●●●	○○○○
REILS		
PAPIs		
ROTATING BEACON		
HOLD LINE		
PROPOSED AVIGATION EASEMENT		▨
PROPOSED PARACHUTE LANDING AREA		▨

NOTE

1. REFER TO TERMINAL AREA PLAN FOR ON-AIRPORT BUILDING IDENTIFICATION.
2. REFER TO INNER / OUTER APPROACH PLANS FOR PENETRATIONS TO APPROACH SURFACES.
3. ULTIMATE VIOLATIONS THAT WILL BE CLEARED TO CONSTRUCT ULTIMATE CONDITION ARE NOT SHOWN.
4. PROPERTY LINE LOCATION SHOWN IS APPROXIMATE.
5. ALL VIOLATIONS LISTED ARE TREES.
6. VIOLATIONS BELOW 10' WERE TRIMMED UNLESS LOCATED WITHIN RPZ, EXISTING OR PROPOSED SAFETY AREAS IN WHICH CASE THEY WERE REMOVED.
7. VIOLATIONS OVER 10' OUTSIDE THE PROPOSED RSA WERE DISPOSED BY EITHER TRIMMING OR REMOVAL.
8. NO OBSTACLE FREE ZONE PENETRATIONS.
9. NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
10. ULTIMATE RUNWAY END ELEVATIONS ESTIMATED, FINAL ELEVATION DETERMINED IN DESIGN.

CONDITIONALLY APPROVED

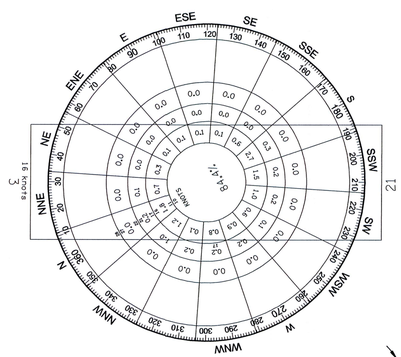
STATE BLOCK GRANT PROGRAM

2/1/12

J. Tom Burgess, P.E. Date

TN DEPT. OF TRANSPORTATION

Subject to Comments in Approval Letter



ALL WEATHER WIND ROSE

SOURCE: NATIONAL CLIMATIC CENTER
McKELLAR - SIPES REGIONAL AIRPORT
JACKSON, TN.

PERIOD: 1/01/2001 - 1/26/2011

OBSERVATIONS: 110,754

COVERAGE: 3/21
10 KNOTS=93.5%
13.5 KNOTS=97.3%
16 KNOTS=99.8%

north

2° 28'

MAGNETIC DECLINATION:
NOVEMBER 2010
2° 28'
CHANGE BY 0° 6' W
PER YEAR

0 300' 600' 900'

SCALE: 1"=300'

RUNWAY SAFETY AREA DETERMINATION

RUNWAY END NUMBER	STANDARD RSA		ACTUAL RSA			RSA DETERMINATION *	DATE APPROVED
	LENGTH BEYOND RWY	WIDTH	LENGTH BEYOND RWY	WIDTH	VIOLATIONS TO RSA * ALONG SIDE OF RUNWAY		
EXISTING RUNWAY 3	300'	150'	300'	150'	NONE	NO OBSTRUCTIONS	
ULTIMATE RUNWAY 3	SAME	SAME	SAME	SAME	NONE	SAME	
EXISTING RUNWAY 21	300'	150'	300'	150'	NONE	NO OBSTRUCTIONS	
ULTIMATE RUNWAY 21	SAME	SAME	SAME	SAME	NONE	SAME	

AIRPORT DATA

AIRPORT DATA	EXISTING	ULTIMATE
AIRPORT ELEVATION (MSL)	756.7'	756.7'
AIRPORT REFERENCE POINT COORDINATES (NAD 83)	LAT. N 36° 06' 59.76 " LONG. W 87° 44' 17.36 "	LAT. N 36° 06' 55.49 " LONG. W 87° 44' 20.44 "
MEAN MAX. TEMP. OF HOTTEST MONTH	91° F	SAME
AIRPORT TERMINAL AREA NAVAIDS	VOR/DME, NDB, GPS	VOR/DME, GPS
AIRPORT REFERENCE CODE / RUNWAY	B-II	SAME
DESIGN AIRCRAFT	KING AIR B100	FALCON 50
FUEL	JET A, 100LL	SAME

TRAVERSE WAY

NO.	OGDEN ROAD ELEVATION	APPROACH SURFACE ELEVATION	AMOUNT OF CLEARANCE	PROPOSED ACTION
R1	676	779.8	88.8'	NONE
R2	687	779.5	78.5'	NONE
R3	684	780.6	81.6'	NONE

G:\11\11901 Waverly ALP\11901-01\cadd\1190101ALD.DGN

PLANNING DESIGN & CONSTRUCTION
CONSULTANTS

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

DR.	CHK.	DATE	DESCRIPTION
ES	ABM	NOVEMBER 2011	FAA / TAD COMMENTS ADDRESSED
BC		June 2018	Hangar -

AIRPORT LAYOUT DRAWING

AIRPORT LAYOUT PLAN SET

HUMPHREYS COUNTY AIRPORT

WAVERLY, HUMPHREYS COUNTY, TENNESSEE
T.A.D. NO. 43-555-0722-04

APPROVAL BLOCK

JESSIE R. WALLACE, COUNTY EXECUTIVE

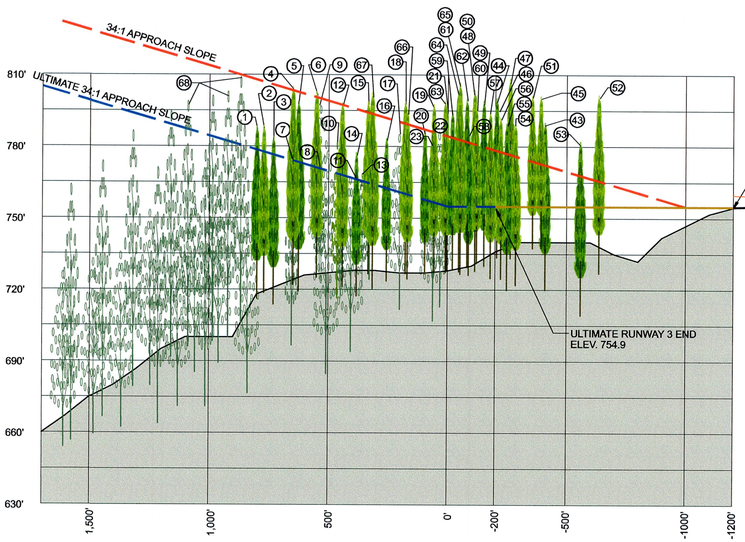
1/27/12
DATE

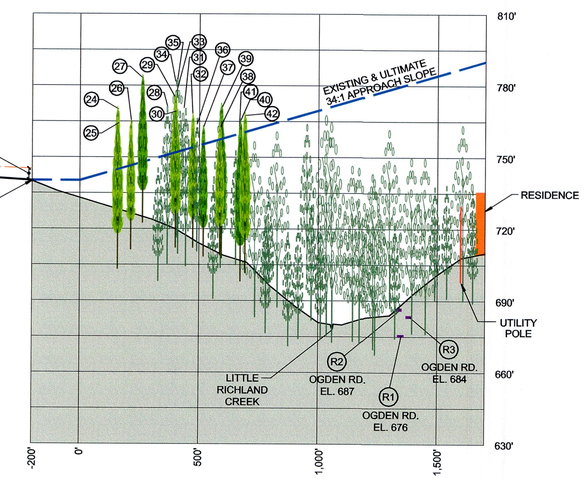
SHEET
C1

PROJECT NO:
11901-01

PLAN VIEW

SCALE: 1"=300'





PROFILE VIEW

SCALE: 1"=300' HORIZONTAL
1"=30' VERTICAL

OBSTRUCTION

PART 77 SURFACE: APPROACH

PART 77 SLOPE: EXISTING RW 3 = 34:1, EXISTING RW 21 = 34:1 ULTIMATE RW 3 AND RW 21 = 34:1

NO.	DESCRIPTION	TOP ELEVATION	EXISTING PENETRATION	ULTIMATE PENETRATION	PROPOSED ACTION
1	TREE	787.33	-	9.0'	TO BE REMOVED
2	TREE	786.57	-	9.1'	TO BE REMOVED
3	TREE	782.28	-	5.9'	TO BE REMOVED
4	TREES *	803.96	0.6'	30.0'	TO BE REMOVED
5	TREE	797.42	-	24.2'	TO BE REMOVED
6	TREE *	801.60	1.2'	30.6'	TO BE REMOVED
7	TREE	774.37	-	0.3'	TO BE REMOVED
8	TREE	770.91	-	0.3'	TO BE REMOVED
9	TREE	796.98	-	26.2'	TO BE REMOVED
10	TREE	781.42	-	12.9'	TO BE REMOVED
11	TREE	766.25	-	0.1'	TO BE REMOVED
12	TREE	796.72	-	28.9'	TO BE REMOVED
13	TREES	768.52	-	3.1'	TO BE REMOVED
14	TREE	775.71	-	9.6'	TO BE REMOVED
15	TREE *	797.35	3.3'	32.7'	TO BE REMOVED
16	TREE	781.80	-	19.4'	TO BE REMOVED
17	TREE	784.99	-	24.3'	TO BE REMOVED

* VIOLATIONS EXIST IN EXISTING APPROACH AND ULTIMATE TRANSITION / PRIMARY SURFACES.

OBSTRUCTION

PART 77 SURFACE: APPROACH

PART 77 SLOPE: EXISTING RW 3 = 34:1, EXISTING RW 21 = 34:1 ULTIMATE RW 3 AND RW 21 = 34:1

NO.	DESCRIPTION	TOP ELEVATION	EXISTING PENETRATION	ULTIMATE PENETRATION	PROPOSED ACTION
18	TREE *	797.35	7.9'	37.3'	TO BE REMOVED
19	TREES *	795.62	9.7'	39.1'	TO BE REMOVED
20	TREE	785.36	-	27.7'	TO BE REMOVED
21	TREE *	795.33	10.9'	40.3'	TO BE REMOVED
22	TREE *	786.81	1.5'	31.0'	TO BE REMOVED
23	TREE	780.61	-	23.8'	TO BE REMOVED
24	TREE	770.20	25.3'	25.3'	TO BE REMOVED
25	TREE	764.29	19.3'	19.3'	TO BE REMOVED
26	TREE	763.57	17.1'	17.1'	TO BE REMOVED
27	TREE	782.91	35.0'	35.0'	TO BE REMOVED
28	TREES	771.46	20.6'	20.6'	TO BE REMOVED
29	TREE	774.33	22.4'	22.4'	TO BE REMOVED
30	TREE	769.22	17.0'	17.0'	TO BE REMOVED
31	TREE	770.82	17.8'	17.8'	TO BE REMOVED
32	TREE	766.99	12.9'	12.9'	TO BE REMOVED
33	TREE	778.08	25.9'	25.9'	TO BE REMOVED
34	TREE	782.94	30.8'	30.8'	TO BE REMOVED

* VIOLATIONS EXIST IN EXISTING APPROACH AND ULTIMATE TRANSITION / PRIMARY SURFACES.

OBSTRUCTION

PART 77 SURFACE: APPROACH

PART 77 SLOPE: EXISTING RW 3 = 34:1, EXISTING RW 21 = 34:1 ULTIMATE RW 3 AND RW 21 = 34:1

NO.	DESCRIPTION	TOP ELEVATION	EXISTING PENETRATION	ULTIMATE PENETRATION	PROPOSED ACTION
35	TREE	781.79	29.9'	29.9'	TO BE REMOVED
36	TREE	763.59	9.0'	9.0'	TO BE REMOVED
37	TREE	762.25	6.9'	6.9'	TO BE REMOVED
38	TREE	762.43	5.0'	5.0'	TO BE REMOVED
39	TREE	770.35	12.7'	12.7'	TO BE REMOVED
40	TREE	765.42	5.4'	5.4'	TO BE REMOVED
41	TREE	761.52	1.7'	1.7'	TO BE REMOVED
42	TREE	767.47	6.9'	6.9'	TO BE REMOVED
43	TREE *	788.99	16.8'	34.1'	TO BE REMOVED
44	TREE *	798.57	20.4'	43.7	TO BE REMOVED
45	TREE *	800.12	27.4'	37.9'	TO BE REMOVED
46	TREE *	794.77	16.9'	39.9'	TO BE REMOVED
47	TREE *	806.73	30.2'	42.3'	TO BE REMOVED
48	TREE *	800.19	19.4'	36.1'	TO BE REMOVED
49	TREE *	797.63	17.8'	42.8'	TO BE REMOVED
50	TREE *	801.76	20.9'	46.9'	TO BE REMOVED
51	TREE *	800.48	26.7	41.2'	TO BE REMOVED

* VIOLATIONS EXIST IN EXISTING APPROACH AND ULTIMATE TRANSITION / PRIMARY SURFACES.

OBSTRUCTION

PART 77 SURFACE: APPROACH

PART 77 SLOPE: EXISTING RW 3 = 34:1, EXISTING RW 21 = 34:1 ULTIMATE RW 3 AND RW 21 = 34:1

NO.	DESCRIPTION	TOP ELEVATION	EXISTING PENETRATION	ULTIMATE PENETRATION	PROPOSED ACTION
52	TREE *	800.50	34.3'	37.2'	TO BE REMOVED
53	TREE *	780.69	12.9'	16.5'	TO BE REMOVED
54	TREE *	788.74	12.9'	33.9'	TO BE REMOVED
55	TREE *	788.64	11.7'	33.8'	TO BE REMOVED
56	TREE *	791.27	13.6'	36.4'	TO BE REMOVED
57	TREE *	793.93	15.0'	39.1'	TO BE REMOVED
58	TREE *	784.56	2.9'	29.7'	TO BE REMOVED
59	TREE *	793.19	9.5'	38.3'	TO BE REMOVED
60	TREE *	795.25	14.6'	40.4'	TO BE REMOVED
61	TREE *	801.32	18.7'	46.5'	TO BE REMOVED
62	TREE *	799.25	17.4'	44.4'	TO BE REMOVED
63	TREE *	797.98	13.4'	42.8'	TO BE REMOVED
64	TREE *	801.95	19.0'	39.6'	TO BE REMOVED
65	TREE *	805.36	22.7'	33.6'	TO BE REMOVED
66	TREE *	793.52	4.3'	18.7'	TO BE REMOVED
67	TREE *	800.62	7.1'	27.6'	TO BE REMOVED
68	TREES **	808.0	-	28.0'	TO BE REMOVED

* VIOLATIONS EXIST IN EXISTING APPROACH AND ULTIMATE TRANSITION / PRIMARY SURFACES.
** SEE NOTE 2.

NOTE

1. OBSTRUCTIONS TO PRIMARY SURFACE AND 7:1 TRANSITIONAL SURFACE SHOWN ON AIRPORT LAYOUT DRAWING, UNLESS NOTED OTHERWISE.
2. GRAPHIC SHOWING TREE OBSTRUCTION (ASSUMING 100-FT TREE HEIGHT); ARE IDENTIFYING TREES BEYOND THE LIMITS OF THE AERIAL SURVEY AND INSIDE THE ULTIMATE APPROACH.
3. ULTIMATE RUNWAY AND ESTIMATED, FINAL ELEVATION DETERMINED IN DESIGN.

MAGNETIC DECLINATION:
NOVEMBER 2010
2° 28'
CHANGE BY 0° 6' W
PER YEAR

PDC CONSULTANTS, LLC.
133 Holiday Court
Suite 102
Franklin, TN 37067
Phone: (615) 614-0121
Fax: (615) 614-0124

DR.	CHK.	DATE	DESCRIPTION
ES	ABM	NOVEMBER 2011	FAA / TAD COMMENTS ADDRESSED

INNER APPROACH SURFACE DRAWING

AIRPORT LAYOUT PLAN SET

HUMPHREYS COUNTY AIRPORT

WAVERLY, HUMPHREYS COUNTY, TENNESSEE

T.A.D. NO. 43-555-0722-04

APPROVAL BLOCK

JESSIE R. WALLACE, COUNTY EXECUTIVE

DATE

SHEET

C2

PROJECT NO: 11901-01

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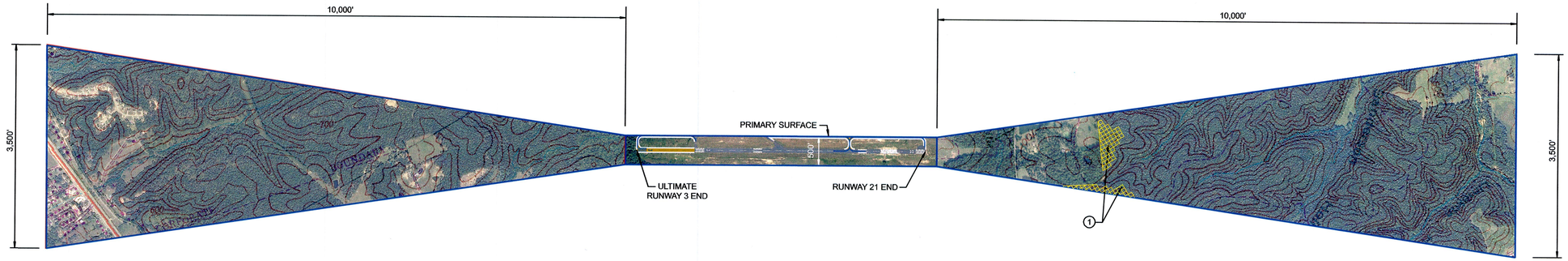
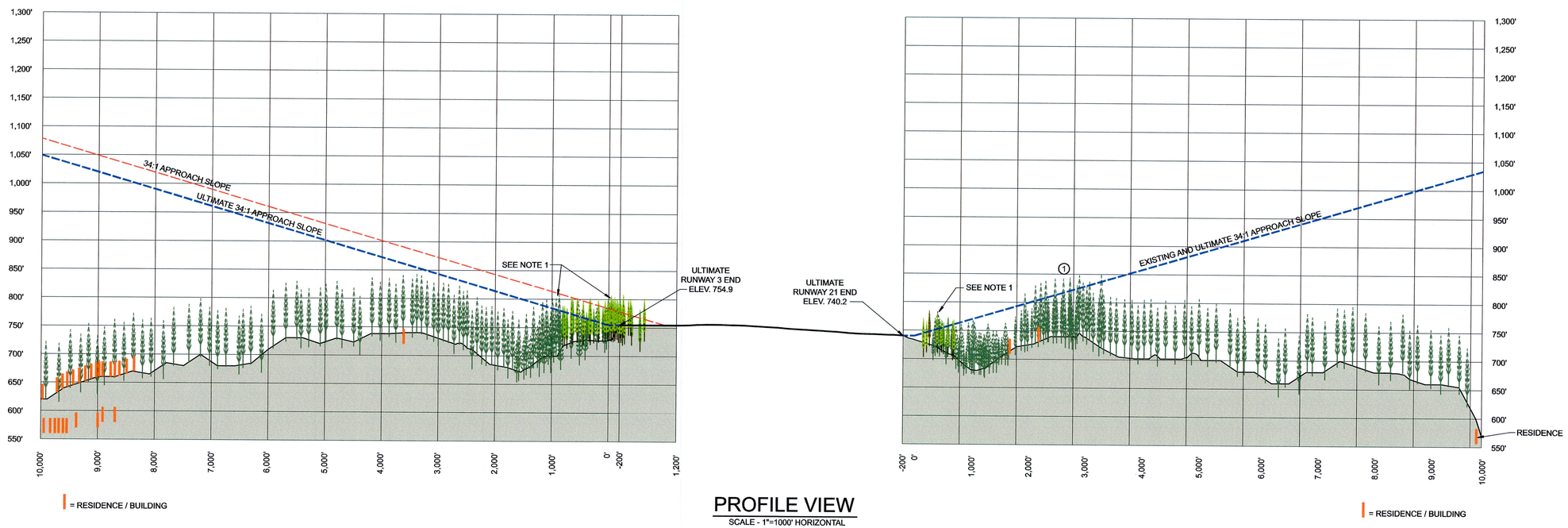


PLAN VIEW

SCALE: 1"=1000' HORIZONTAL



PROFILE VIEW

SCALE - 1"=1000' HORIZONTAL
1"=100' VERTICAL

OBSTRUCTION

PART 77 SURFACE: APPROACH

PART 77 SLOPE: EXISTING RW 3 = 34:1, EXISTING RW 21 = 34:1 ULTIMATE RW 3 AND RW 21 = 34:1

NO.	DESCRIPTION	TOP ELEVATION	EXISTING PENETRATION	ULTIMATE PENETRATION	PROPOSED ACTION
1	TREES*	849.5	25.0'	25.0'	TRIM OR REMOVE

* SEE NOTE 2.

NOTE

1. SEE ALD AND INNER APPROACH PLAN FOR MORE DETAIL OF OBSTRUCTIONS WITHIN PRIMARY SURFACE, 7:1 TRANSITIONAL SURFACE AND INNER APPROACH SURFACE.
2. GRAPHIC SHOWING TREE OBSTRUCTIONS (ASSUMING 100 FOOT TREE HEIGHT) ARE IDENTIFYING TREES BEYOND THE LIMITS OF THE AERIAL SURVEY AND INSIDE THE ULTIMATE APPROACH.

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DR.	CHK.	DATE	DESCRIPTION
ES	ABM	NOVEMBER 2011	FAA / TAD COMMENTS ADDRESSED

OUTER APPROACH SURFACE DRAWING

AIRPORT LAYOUT PLAN SET

HUMPHREYS COUNTY AIRPORT

WAVERLY, HUMPHREYS COUNTY, TENNESSEE

T.A.D. NO. 43-555-0722-04

APPROVAL BLOCK

JESSIE R. WALLACE, COUNTY EXECUTIVE

DATE

SHEET

C3

PROJECT NO: 11901-01

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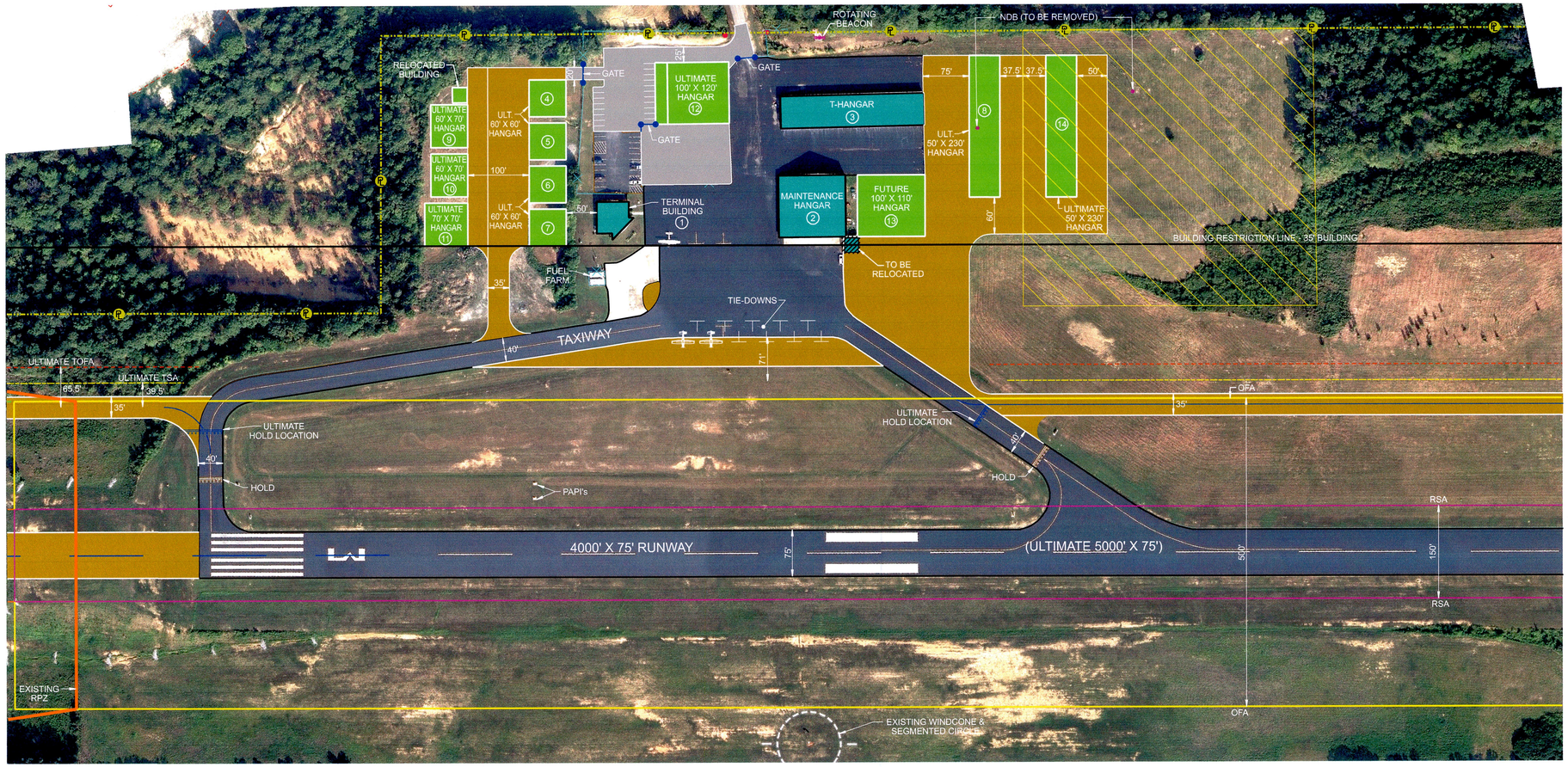

THIS AREA DESIGNATED FOR SKYDIVING ACTIVITIES. AREAS USED FOR SKYDIVING ACTIVITIES SHOULD BE UNOBSTRUCTED, WITH MINIMAL RADIAL DISTANCES TO THE NEAREST HAZARD PER THE UNITED STATES PARACHUTE ASSOCIATION RECOMMENDATIONS ALONG WITH FEDERAL AVIATION ADMINISTRATION APPROVAL. ALL HAZARDS SHALL BE REMOVED PRIOR TO SKYDIVING ACTIVITIES COMMENCING.

NOTES

1. FUTURE BUILDINGS ELEVATIONS ARE ESTIMATES ONLY.
2. FINAL CONFIGURATION OF TERMINAL AREA FACILITIES MAY DIFFER.
3. ALL EXISTING, ULTIMATE, AND FUTURE FACILITIES ARE BELOW FAA FAR PART 77 SURFACES.
4. OBSTRUCTIONS TO PART 77 SHOWN ON ALP.
5. PROPERTY LINE LOCATION SHOWN IS APPROXIMATE.

FACILITIES

EXISTING

#	FACILITY NAME	TOP ELEVATION
1	TERMINAL BLDG.	774.76
2	MAINT. HANGAR	784.78
3	T-HANGARS	768.92

FACILITIES

ULTIMATE			FUTURE		
#	FACILITY NAME	TOP ELEVATION	#	FACILITY NAME	TOP ELEVATION
4	CORP. HANGAR	778	9	CORP. HANGAR	778
5	CORP. HANGAR	778	10	CORP. HANGAR	778
6	CORP. HANGAR	778	11	CORP. HANGAR	778
7	CORP. HANGAR	778	12	CORP. HANGAR	789
8	T-HANGAR	768	13	CORP. HANGAR	785
			14	CORP. HANGAR	768

LEGEND

DESCRIPTION	EXISTING	ULTIMATE
RUNWAY CENTERLINE		
RUNWAY SAFETY AREA (RSA)		
RUNWAY OBJECT FREE AREA (ROFA)		
RUNWAY PROTECTION ZONE (RPZ)		
TAXIWAY OBJECT FREE AREA (TOFA)		
TAXIWAY SAFETY AREA		
BUILDING RESTRICTION LINE (BRL)		
AIRPORT PAVEMENT		
AIRPORT BUILDINGS		
OTHER BUILDINGS		
AIRPORT PROPERTY LINE		
RAILROAD		
FENCE		
ROADS		
ROTATING BEACON		
HOLD LINE		
PROPOSED PARACHUTE LANDING AREA		

MAGNETIC DECLINATION:
NOVEMBER 2010
2° 28'
CHANGE BY 0° 6' W
PER YEAR

0 100' 200' 300'

SCALE: 1"=100'

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TERMINAL AREA PLAN

AIRPORT LAYOUT PLAN SET

HUMPHREYS COUNTY AIRPORT

WAVERLY, HUMPHREYS COUNTY, TENNESSEE

T.A.D. NO. 43-555-0722-04

APPROVAL BLOCK

JESSIE R. WALLACE, COUNTY EXECUTIVE

DATE

SHEET

C4

PROJECT NO: 11901-01

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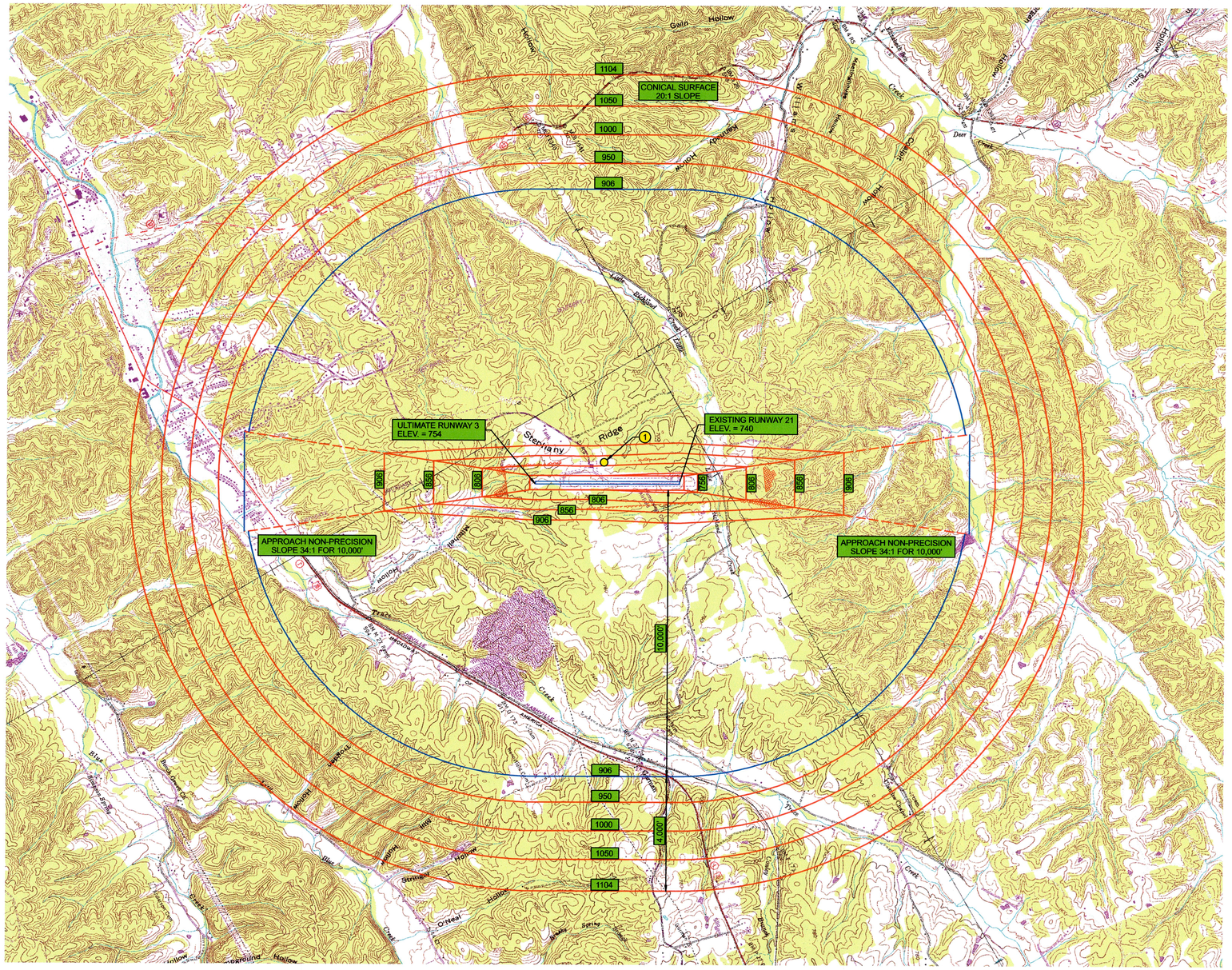
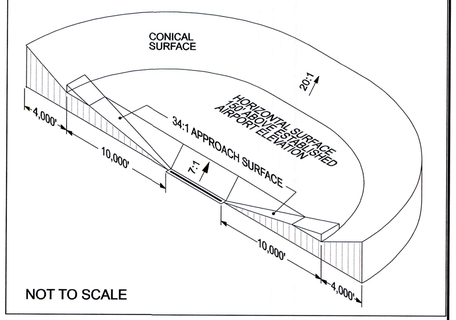


ISOMETRIC VIEW



NOT TO SCALE

LEGEND

DESCRIPTION	ULTIMATE
APPROACH SURFACE	
THRESHOLD SITING SURFACE	
TRANSITIONAL SURFACE	
PRIMARY SURFACE	
TREE OBSTRUCTION	
TOWERS	

OBSTRUCTION

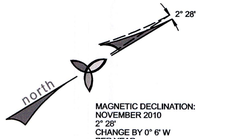
PART 77 SURFACE: TRANSITIONAL

PART 77 SLOPE: 7:1

#	DESCRIPTION	TOP ELEVATION	PENETRATION	PROPOSED ACTION
1	TOWER - NDB	794.4	31.6'	REMOVE

NOTES

1. GRID BASE, U.S.G.S. TOPOGRAPHICAL MAPS. 10' CONTOUR INTERVAL.
2. SEE ALP AND APPROACH PLAN FOR OBSTRUCTIONS WITHIN PRIMARY SURFACE, TRANSITIONAL SURFACES AND APPROACH SURFACES.
3. GRAPHIC SHOWING TREE OBSTRUCTIONS (ASSUMING 100 FT. TREE HEIGHT) ARE IDENTIFYING AREA BEYOND THE LIMITS OF THE AERIAL SURVEY AND INSIDE THE EXISTING AIRPORT AIRSPACE.
4. ULTIMATE RUNWAY END ELEVATIONS ESTIMATED, FINAL ELEVATION DETERMINED IN DESIGN.



MAGNETIC DECLINATION:
NOVEMBER 2010
2° 28'
CHANGE BY 0° 6' W
PER YEAR

0 2000' 4000' 6000'

SCALE: 1"=2000'

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ES	ABM	NOVEMBER 2011	FAA / TAD COMMENTS ADDRESSED

AIRSPACE DRAWING

AIRPORT LAYOUT PLAN SET

HUMPHREYS COUNTY AIRPORT

WAVERLY, HUMPHREYS COUNTY, TENNESSEE

T.A.D. NO. 43-555-0722-04

APPROVAL BLOCK

JESSIE R. WALLACE, COUNTY EXECUTIVE

DATE

SHEET

C5

PROJECT NO:
11901-01

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