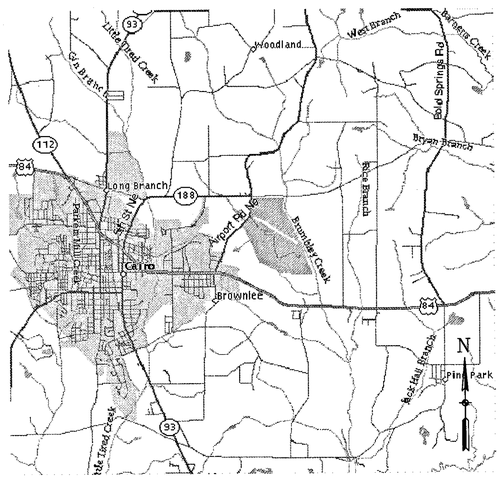
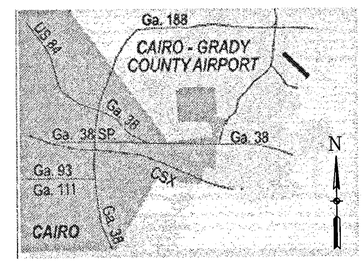
CAIRO - GRADY COUNTY AIRPORT
CAIRO, GEORGIA
AIRPORT LAYOUT PLAN



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

INDEX OF DRAWINGS:

1. COVER SHEET
2. AIRPORT LAYOUT PLAN
3. TERMINAL LAYOUT PLAN
4. AIRPORT AIRSPACE PLAN
5. RUNWAY 13 INNER APPROACH SURFACE
6. RUNWAY 31 INNER APPROACH SURFACE
7. AIRPORT PROPERTY MAP

CITY OF CAIRO
CAIRO, GEORGIA

SPONSOR'S APPROVAL

9/18/09

CITY OF CAIRO DATE

D.A. JONES ENGINEERING, LLC
1953 KENNARD DRIVE
SNELLVILLE, GEORGIA 30078
(770) 823-3080
D.A. JONES

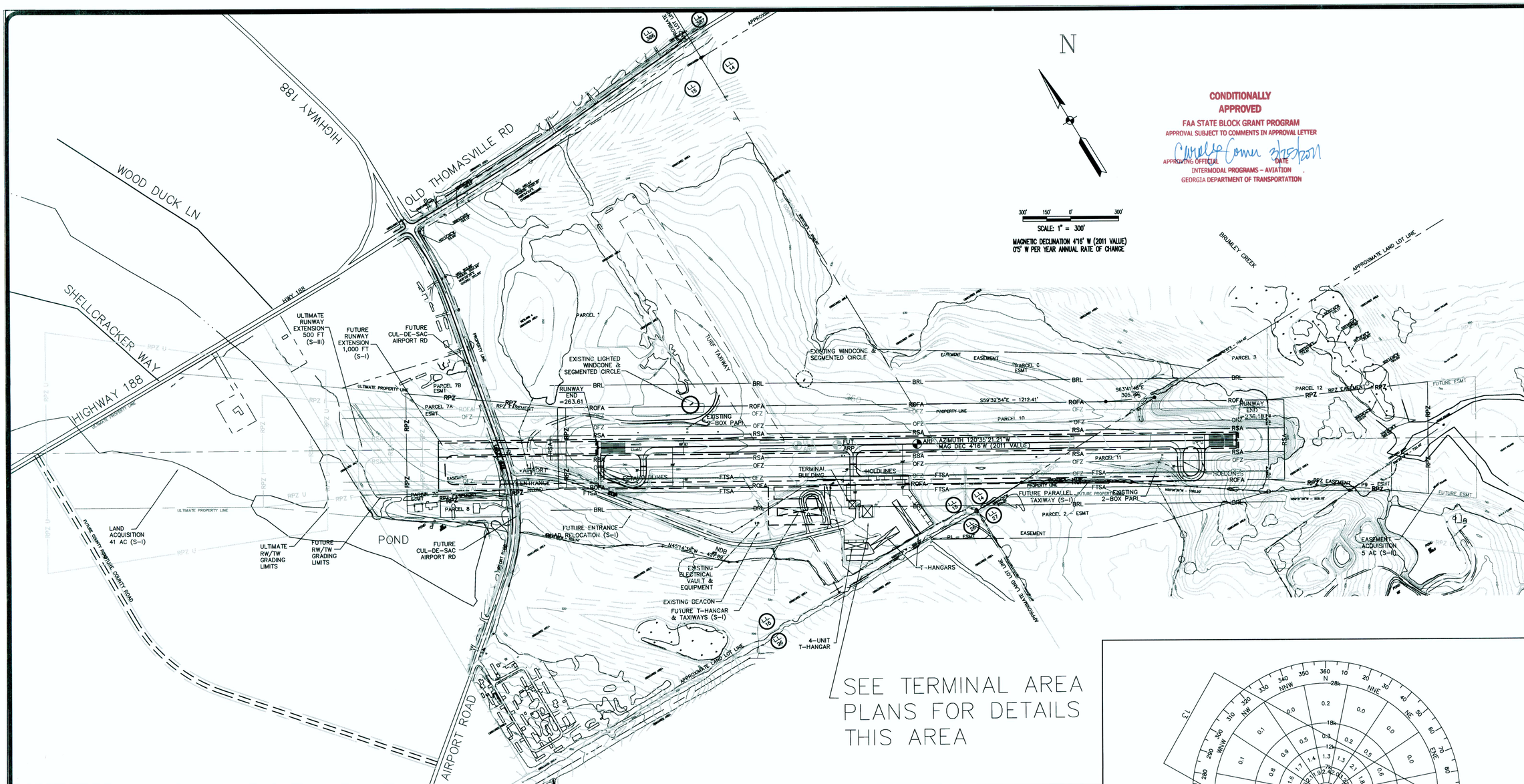
REV. NO.	DESCRIPTION	DATE
	REVISIONS	

COVER SHEET
AIRPORT LAYOUT PLAN
CAIRO AIPORT

CAIRO, GEORGIA

Designed	DAJ
Date	3/10/2011
Scale	N/A
Drawn	DAJ
Checked	DAJ
Project No.	PN

CAIRO



RUNWAY DATA

	RUNWAY 13 – 31		
	EXISTING	PHASE I	ULTIMATE
RUNWAY LENGTH	4000'	5000'	5500'
RUNWAY WIDTH	75'	75'	100'
TOUCHDOWN ZONE ELEVATION	13 263.61, 31 260.50	13 267.41, 31 260.50	13 269.31, 31 260.50
EFFECTIVE GRADIENT (%)	0.80%	0.80%	0.80%
PAVEMENT TYPE	ASPHALT	ASPHALT	ASPHALT
PAVEMENT STRENGTH	23,000 lb SWL	23,000 lb SWL	30,000 lb SWL
RUNWAY SAFETY AREA	150' X 300'*	150' X 300'*	150' X 300'*
RUNWAY OBJECT FREE AREA	500' X 300'*	500' X 300'*	500' X 300'*
OBSTACLE FREE ZONE	250' X 200'*	400' X 200'*	400' X 200'*
RUNWAY LIGHTING	MIRL	MIRL	MIRL
RUNWAY MARKING	NON-PRECISION	NON-PRECISION	PRECISION
TAXIWAY LIGHTING	MITL	MITL	MITL
NAVIGATIONAL AIDS	NDB, PAPI	NDB, PAPI	NDB, PAPI
CRITICAL AIRCRAFT	BEECH KING AIR	BEECH KING AIR	BEECH KING AIR
FAR PART 77 SURFACES	20:1/20:1	34:1/34:1	34:1/34:1
RUNWAY 13 END COORDINATES	LAT. 30° 53' 26.790" N LON. 84° 09' 36.801" W	LAT. 30° 53' 31.825" N LON. 84° 09' 46.681" W	LAT. 30° 53' 34.342" N LON. 84° 09' 61.621" W
RUNWAY 31 END COORDINATES	LAT. 30° 54' 06.643" N LON. 84° 08' 57.388" W	LAT. 30° 54' 06.643" N LON. 84° 08' 57.388" W	LAT. 30° 54' 06.643" N LON. 84° 08' 57.388" W
RW 13 APPROACH VISIBILTY MIN.	LNAV MDA 840'/1 MILE	LNAV MDA 400'/1 MILE	LNAV MDA 300'/ < 1 MILE
RW 31 APPROACH VISIBILTY MIN.	LNAV MDA 860'/1 MILE	LNAV MDA 400'/1 MILE	LNAV MDA 400'/1 MILE

* BEYOND RUNWAY END

LEGEND

	EXISTING	PHASE I	ULTIMATE
GROUND CONTOURS		N / A	N / A
BUILDINGS			
AIRPORT PROPERTY LINES			
AIRPORT EASEMENT			
RUNWAY PROTECTION ZONE (RPZ)	RPZ	RPZ	RPZ
RUNWAY SAFETY AREA (RSA)	RSA	RSA	RSA
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	ROFA	ROFA
TAXIWAY SAFETY AREA (TSA)	TSA	TSA	TSA
BUILDING RESTRICTION LINE (20' H) (BRL)	BRL	BRL	BRL
OBSTACLE FREE ZONE (OFZ)	OFZ	OFZ	OFZ
AIRPORT REFERENCE POINT (ARP)			
RUNWAY ℄			
POWER LINES	P	P	P
UNDERGROUND ELECTRIC LINE	UGE	UGE	UGE
FENCE			
GUIDANCE SIGNS	N / A	N / A	N / A

AIRPORT DATA

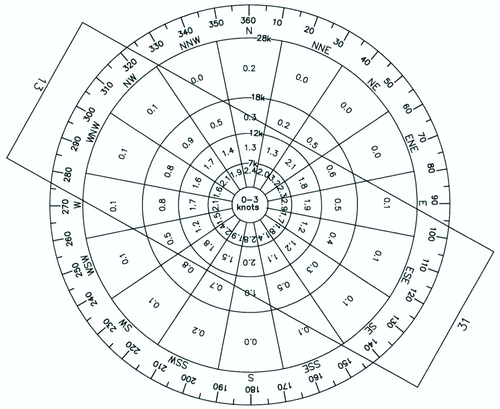
	EXISTING	PHASE I	ULTIMATE
AIRPORT ELEVATION	263.61'	267.41'	269.31'
AIRPORT REFERENCE POINT COORDINATES (ARP)	LAT. 30° 53' 16.716" N LONG. 84° 09' 17.047" W	LAT. 30° 53' 17.724" N LONG. 84° 09' 19.019" W	LAT. 30° 53' 18.383" N LONG. 84° 09' 20.313" W
MEAN MAX. TEMPERATURE OF HOTTEST MONTH	90.8 F	90.8 F	90.8 F
AIRPORT REFERENCE CODE	B-II	B-II	B-II

RUNWAY PROTECTION ZONE DATA

RUNWAY	RPZ	INNER WIDTH	OUTER WIDTH	LENGTH	TYPE OF APPROACH
13	EXISTING	500'	700'	1,000'	NON-PRECISION
	PHASE I	500'	700'	1,000'	NON-PRECISION
	ULTIMATE	1000'	1510'	1,700'	NON-PRECISION
31	EXISTING	500'	700'	1,000'	VISUAL
	PHASE I	500'	700'	1,000'	NON-PRECISION
	ULTIMATE	1000'	1510'	1,700'	NON-PRECISION

GENERAL NOTES FOR ALP

1. BEARINGS SHOWN ARE MAGNETIC UNLESS INDICATED OTHERWISE.
2. LOCAL AIRPORT ZONING TO BE ACCOMPLISHED ACCORDING TO FAR PART 77.
3. ALL SURVEY DATA NAD83.
4. RUNWAY 13 & 31 APPROACHES 20:1
   FUTURE AND ULTIMATE RUNWAY 13 AND 31 APPROACHES – REQUIRE 34:1
5. EXISTING TOPOGRAPHICAL INFORMATION TAKEN FROM AERIAL SURVEY.



WIND ROSE

SOURCE: U.S. AIR FORCE 1941–1946,1948–1965
TURNER AFB, ALBANY, GA. 195,791 OBSERVATIONS

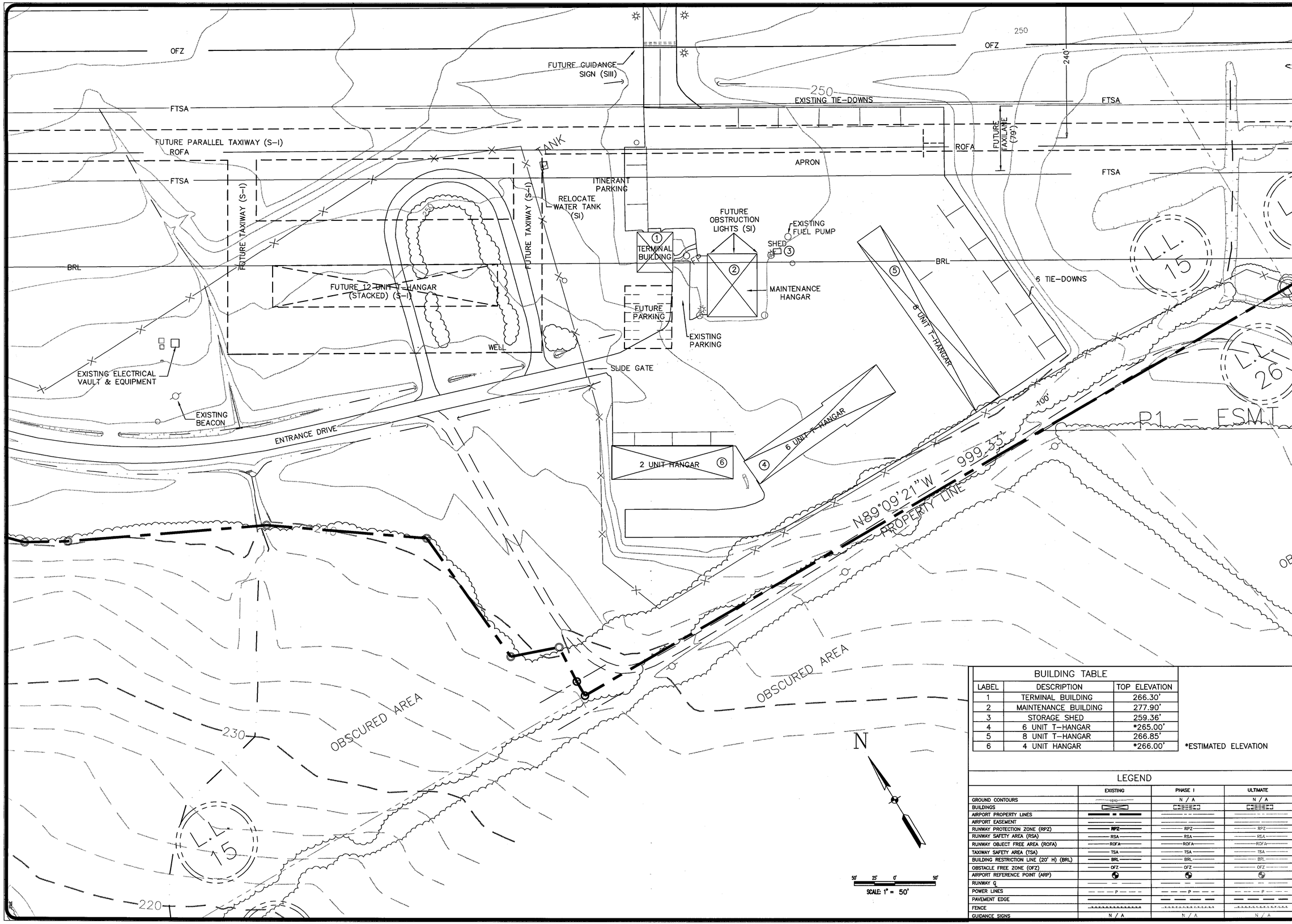
WIND COVERAGE (BASED UPON – 13 KNOTS CROSSWIND) – 96.7%

D.A. JONES ENGINEERING, LLC
1953 KENNARD DRIVE
SNELLVILLE, GEORGIA 30078
(770) 823-3080
D.A. JONES

REV. NO.	DESCRIPTION	DATE
	REVISIONS	

AIRPORT LAYOUT PLAN
AIRPORT LAYOUT PLAN
CAIRO AIPORT
CAIRO, GEORGIA

Designed	DAJ
Date	3/10/2011
Scale	1"=300'
Drawn	DAJ
Checked	DAJ
Project No.	PN
Sheet No.	2 OF 7



BUILDING TABLE		
LABEL	DESCRIPTION	TOP ELEVATION
1	TERMINAL BUILDING	266.30'
2	MAINTENANCE BUILDING	277.90'
3	STORAGE SHED	259.36'
4	6 UNIT T-HANGAR	*265.00'
5	8 UNIT T-HANGAR	266.85'
6	4 UNIT HANGAR	*266.00'

*ESTIMATED ELEVATION

LEGEND

	EXISTING	PHASE I	ULTIMATE
GROUND CONTOURS	250	N / A	N / A
BUILDINGS			
AIRPORT PROPERTY LINES			
AIRPORT EASEMENT			
RUNWAY PROTECTION ZONE (RPZ)	RPZ	RPZ	RPZ
RUNWAY SAFETY AREA (RSA)	RSA	RSA	RSA
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	ROFA	ROFA
TAXIWAY SAFETY AREA (TSA)	TSA	TSA	TSA
BUILDING RESTRICTION LINE (20' H) (BRL)	BRL	BRL	BRL
OBSTACLE FREE ZONE (OFZ)	OFZ	OFZ	OFZ
AIRPORT REFERENCE POINT (ARP)			
RUNWAY ℄			
POWER LINES	P	P	P
PAVEMENT EDGE			
FENCE			
GUIDANCE SIGNS	N / A	N / A	N / A

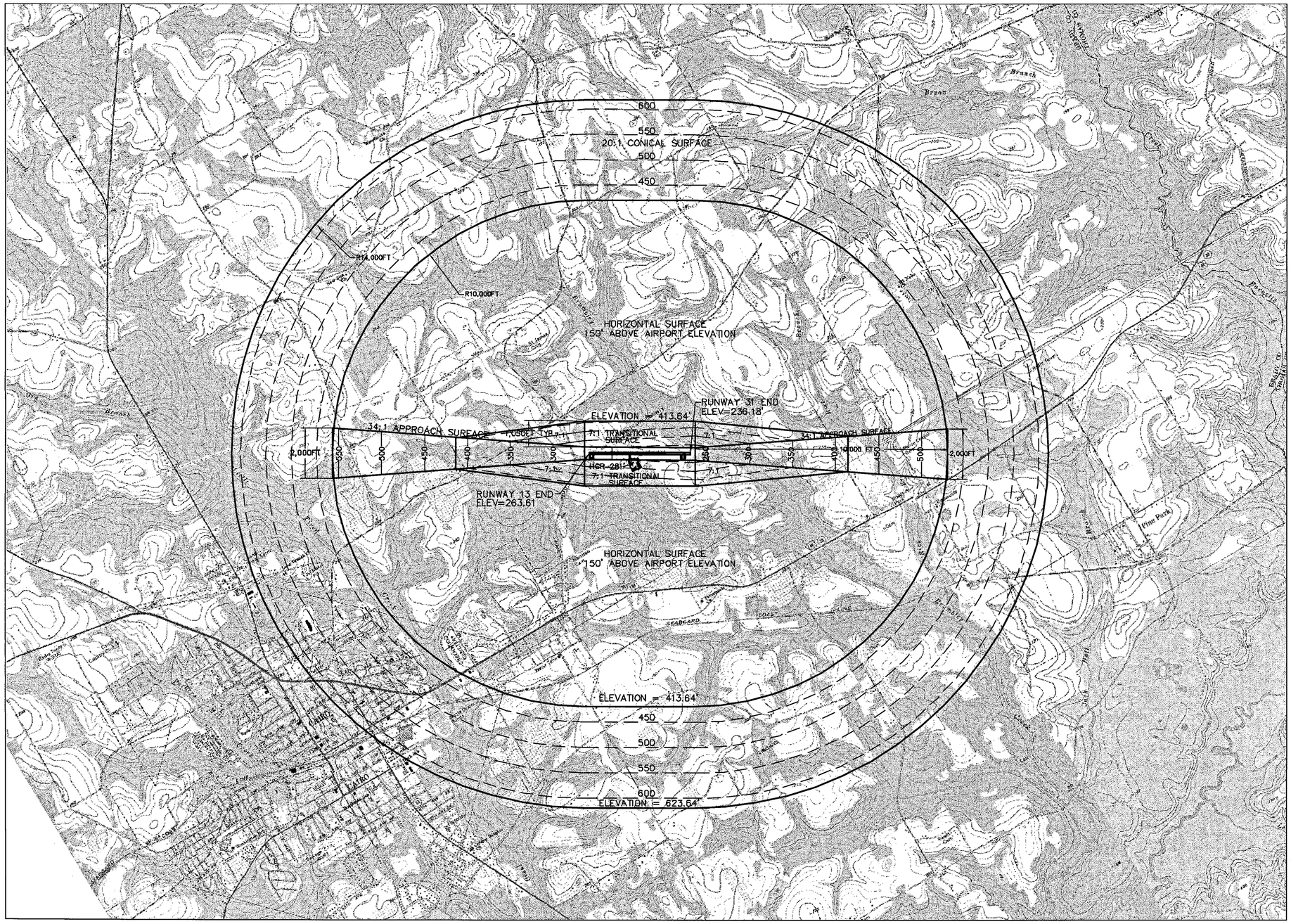
D.A. JONES ENGINEERING, LLC
1953 KENNARD DRIVE
SNELLVILLE, GEORGIA 30078
(770) 822-3080
D.A. JONES

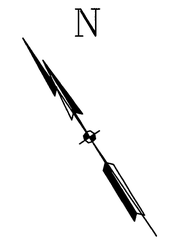
REV. NO.	DESCRIPTION	DATE
	REVISIONS	

TERMINAL AREA PLAN
AIRPORT LAYOUT PLAN
CAIRO AIPORT

CAIRO, GEORGIA

Designed	DAJ
Date	3/10/2011
Scale	1"=50'
Drawn	DAJ
Checked	DAJ
Project No.	PN
Sheet No.	3 OF 7

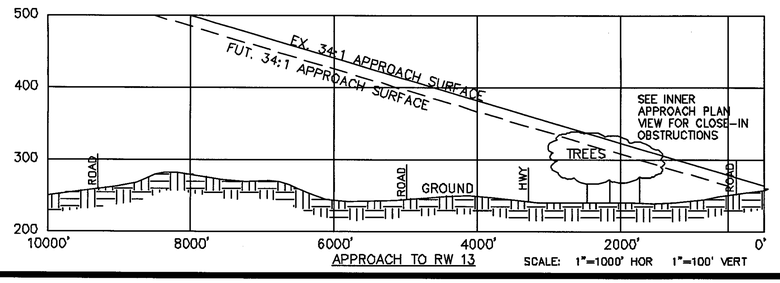




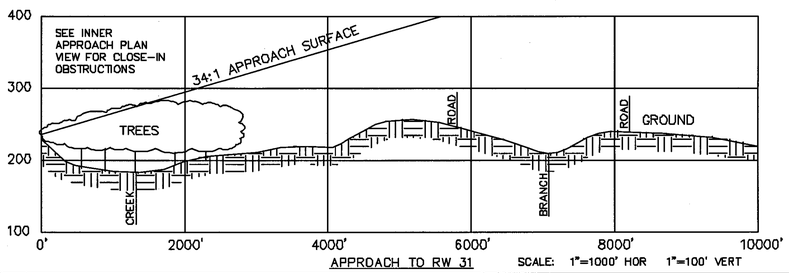
2000' 1000' 0' 2000'

SCALE: 1" = 2000'

MAGNETIC DECLINATION 4°16' (2011 VALUE)
0°5' W PER YEAR ANNUAL RATE OF CHANGE



APPROACH TO RW 13 SCALE: 1"=1000' HOR 1"=100' VERT



APPROACH TO RW 31 SCALE: 1"=1000' HOR 1"=100' VERT

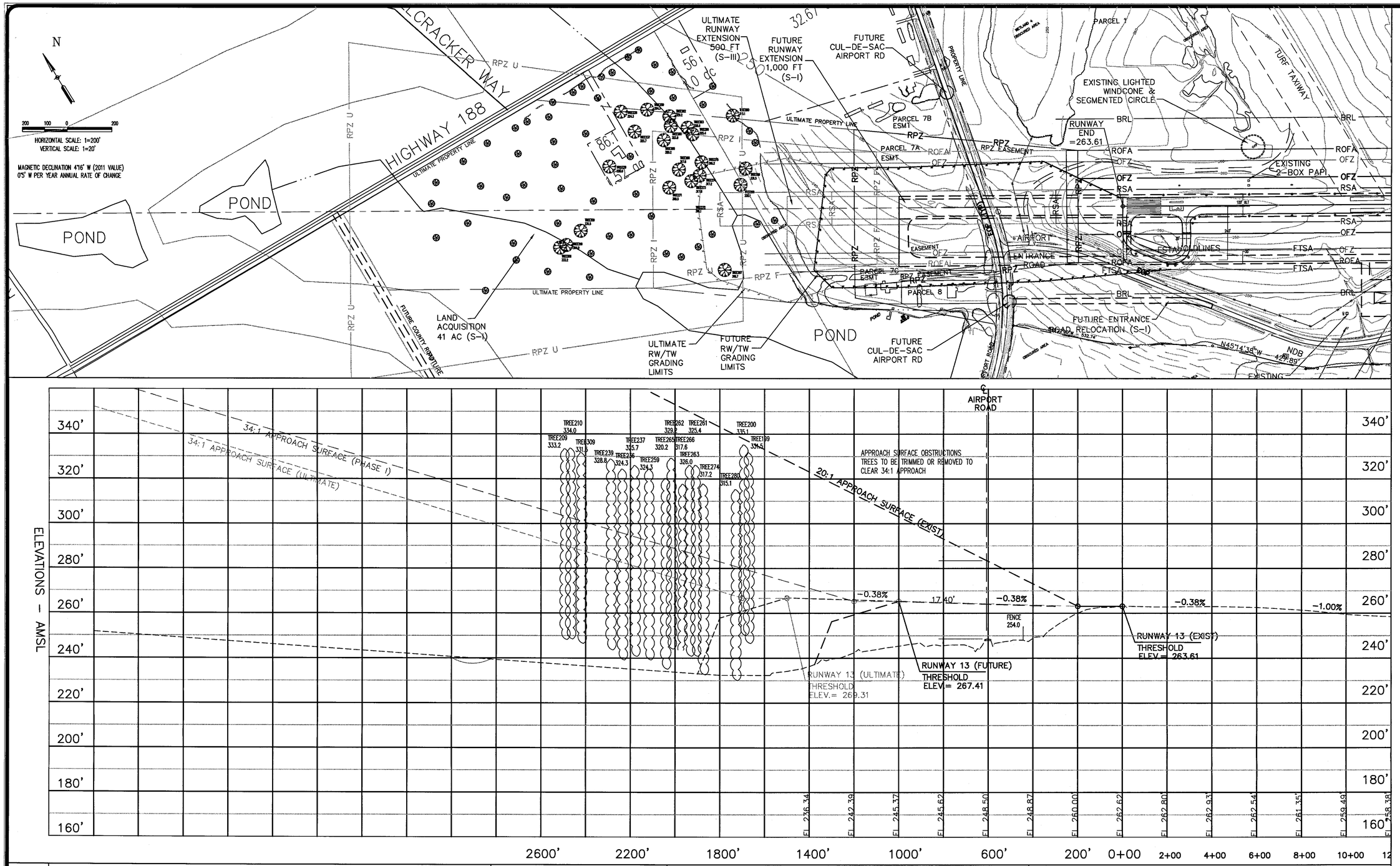
D A JONES ENGINEERING LLC
1165 EVANS MILL ROAD
SNELLVILLE, GEORGIA 30078
(770) 823-3095
D.A. JONES

REV. NO.	DESCRIPTION	DATE
	REVISIONS	

AIRSPACE ANALYSIS
AIRPORT LAYOUT PLAN
CAIRO AIPORT

CAIRO, GEORGIA

Designed	DAJ
Date	3/10/2011
Scale	1"=1500'
Drawn	DAJ
Checked	DAJ
Project No.	PN
Sheet No.	4
OF	7



OBSTRUCTION DATA TABLE

DESCRIPTION	ELEV	OBSTRUCTION SURFACE	PENETRATION	DISPOSITION	DESCRIPTION	ELEV	OBSTRUCTION SURFACE	PENETRATION	DISPOSITION
TREE 199	331.5	34:1 APPROACH	25'	TRIM/REMOVE	TREE 274	317.2	34:1 APPROACH	5'	TRIM/REMOVE
TREE 200	335.1	34:1 APPROACH	28'	TRIM/REMOVE	TREE 280	315.1	34:1 APPROACH	7'	TRIM/REMOVE
TREE 209	333.2	34:1 APPROACH	3'	TRIM/REMOVE	TREE 309	331.5	34:1 APPROACH	3'	TRIM/REMOVE
TREE 210	334.0	34:1 APPROACH	4'	TRIM/REMOVE					
TREE 236	324.3	34:1 APPROACH	1'	TRIM/REMOVE					
TREE 237	325.7	34:1 APPROACH	4'	TRIM/REMOVE					
TREE 239	328.8	34:1 APPROACH	4'	TRIM/REMOVE					
TREE 259	324.3	34:1 APPROACH	5'	TRIM/REMOVE					
TREE 261	325.4	34:1 APPROACH	13'	TRIM/REMOVE					
TREE 262	329.2	34:1 APPROACH	13'	TRIM/REMOVE					
TREE 263	326.0	34:1 APPROACH	12'	TRIM/REMOVE					
TREE 265	320.2	34:1 APPROACH	3'	TRIM/REMOVE					
TREE 266	317.0	34:1 APPROACH	3'	TRIM/REMOVE					

LEGEND

	EXISTING	FUTURE	ULTIMATE
GROUND CONTOURS	1045	N / A	N / A
BUILDINGS			
AIRPORT PROPERTY LINES			
AIRPORT EASEMENT			
RUNWAY PROTECTION ZONE (RPZ)	RPZ	RPZ	RPZ
RUNWAY SAFETY AREA (RSA)	RSA	RSA	RSA
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	ROFA	ROFA
TAXIWAY SAFETY AREA (TSA)	TSA	TSA	TSA
BUILDING RESTRICTION LINE (20' H) (BRL)	BRL	BRL	BRL
OBSTACLE FREE ZONE (OFZ)	OFZ	OFZ	OFZ
AIRPORT REFERENCE POINT (ARP)			
RUNWAY ℄			
POWER LINES	P	P	P
UNDERGROUND ELECTRIC LINE	UGE	UGE	UGE

LEGEND

	EXISTING	FUTURE	ULTIMATE
FENCE			
GUIDANCE SIGNS	N / A	N / A	N / A
TREE OBSTRUCTION			
TREE			

D.A. JONES ENGINEERING, LLC
1863 KELLY MILL DRIVE
SNELLVILLE, GEORGIA 30078
(770) 923-3090
D.A. JONES

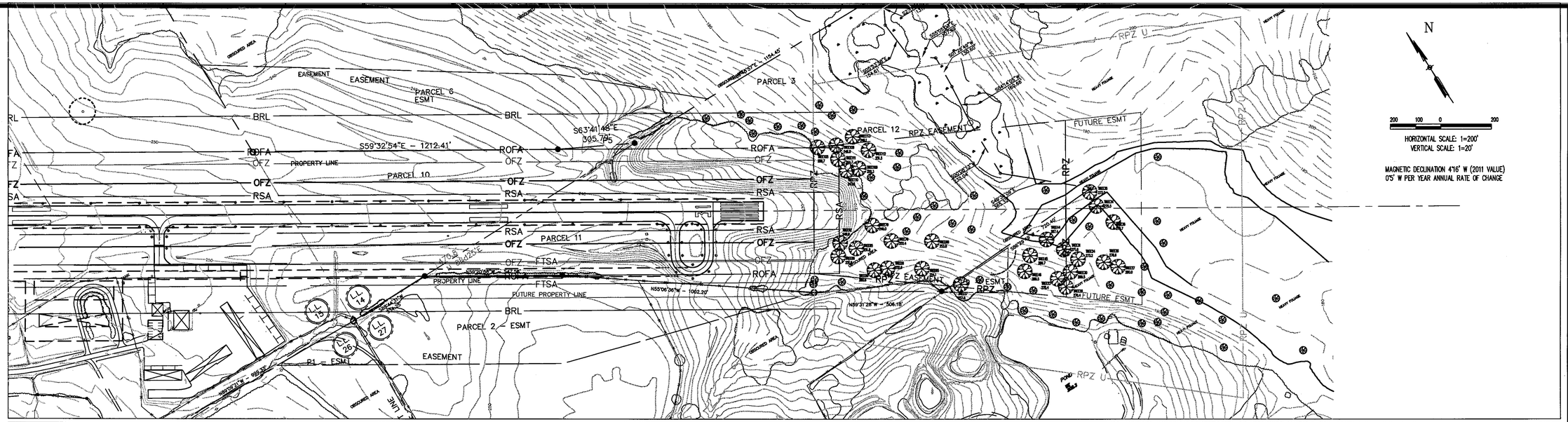
REV. NO.	DESCRIPTION	DATE
	REVISIONS	

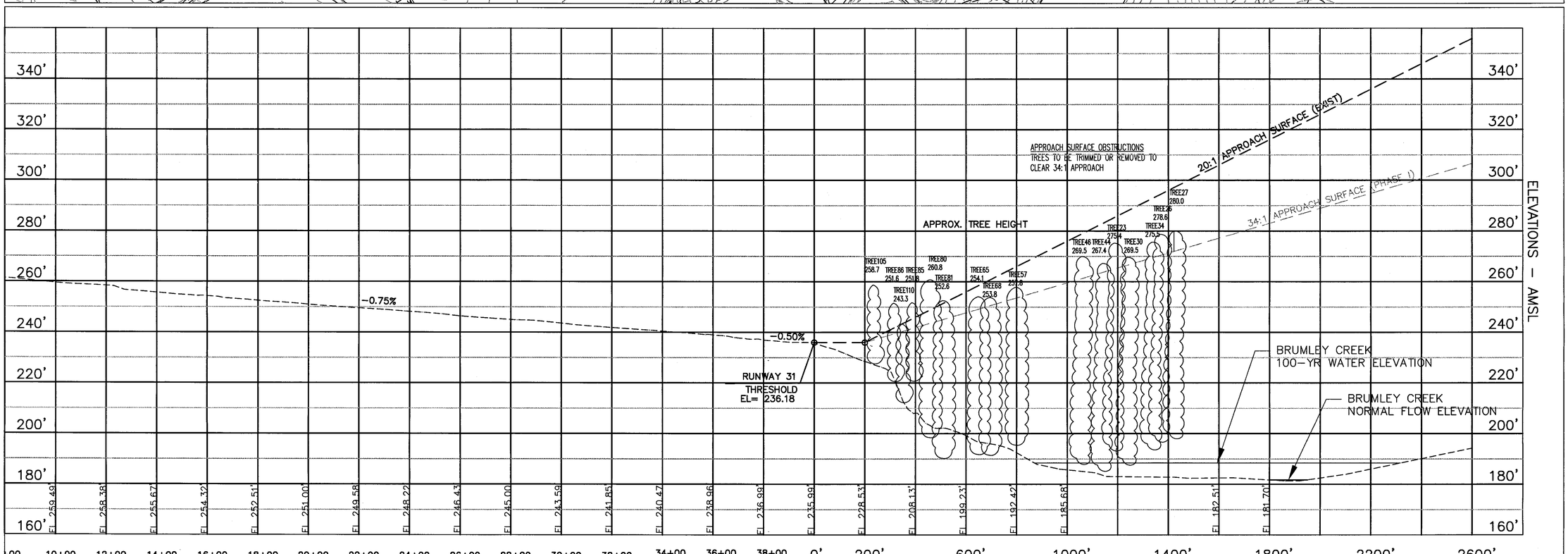
RUNWAY 13 APPROACH AIRPORT LAYOUT PLAN

CAIRO AIPORT

CAIRO, GEORGIA

Designed	DAJ
Date	3/10/2011
Scale	1"=200'
Drawn	DAJ
Checked	DAJ
Project No.	PN
Sheet No.	5 OF 7





OBSTRUCTION DATA TABLE

DESCRIPTION	ELEV	OBSTRUCTION SURFACE	PENETRATION	DISPOSITION	DESCRIPTION	ELEV	OBSTRUCTION SURFACE	PENETRATION	DISPOSITION
TREE 23	275.4	34:1 APPROACH	10'	TRIM/REMOVE	TREE 86	251.6	34:1 APPROACH	12'	TRIM/REMOVE
TREE 26	278.6	34:1 APPROACH	8'	TRIM/REMOVE	TREE 105	258.7	34:1 APPROACH	22'	TRIM/REMOVE
TREE 27	280.0	34:1 APPROACH	8'	TRIM/REMOVE	TREE 110	243.3	34:1 APPROACH	3'	TRIM/REMOVE
TREE 30	269.5	34:1 APPROACH	3'	TRIM/REMOVE					
TREE 34	275.5	34:1 APPROACH	6'	TRIM/REMOVE					
TREE 44	267.4	34:1 APPROACH	4'	TRIM/REMOVE					
TREE 46	269.5	34:1 APPROACH	9'	TRIM/REMOVE					
TREE 57	257.8	34:1 APPROACH	4'	TRIM/REMOVE					
TREE 65	254.1	34:1 APPROACH	5'	TRIM/REMOVE					
TREE 68	253.8	34:1 APPROACH	3'	TRIM/REMOVE					
TREE 80	260.8	34:1 APPROACH	17'	TRIM/REMOVE					
TREE 81	252.6	34:1 APPROACH	8'	TRIM/REMOVE					
TREE 85	251.8	34:1 APPROACH	10'	TRIM/REMOVE					

LEGEND

	EXISTING	FUTURE	ULTIMATE
GROUND CONTOURS	240	N / A	N / A
BUILDINGS			
AIRPORT PROPERTY LINES			
AIRPORT EASEMENT			
RUNWAY PROTECTION ZONE (RPZ)	RPZ	RPZ	RPZ
RUNWAY SAFETY AREA (RSA)	RSA	RSA	RSA
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	ROFA	ROFA
TAXIWAY SAFETY AREA (TSA)	TSA	TSA	TSA
BUILDING RESTRICTION LINE (20' H) (BRL)	BRL	BRL	BRL
OBSTACLE FREE ZONE (OFZ)	OFZ	OFZ	OFZ
AIRPORT REFERENCE POINT (ARP)			
RUNWAY ℄			
POWER LINES	P	P	P

LEGEND

	EXISTING	FUTURE	ULTIMATE
UNDERGROUND ELECTRIC LINE	UGE	UGE	UGE
FENCE			
GUIDANCE SIGNS	N / A	N / A	N / A

D.A. JONES ENGINEERING, LLC
1953 KENNARD DRIVE
SNELLVILLE, GEORGIA 30078
(770) 823-3080
D.A. JONES

REV. NO.	DESCRIPTION	DATE
	REVISIONS	

RUNWAY 31 APPROACH AIRPORT LAYOUT PLAN

CAIRO AIPORT

CAIRO, GEORGIA

Designed	DAJ
Date	3/10/2011
Scale	1"=200'
Drawn	DAJ
Checked	DAJ
Project No.	PN
Sheet No.	6 OF 7

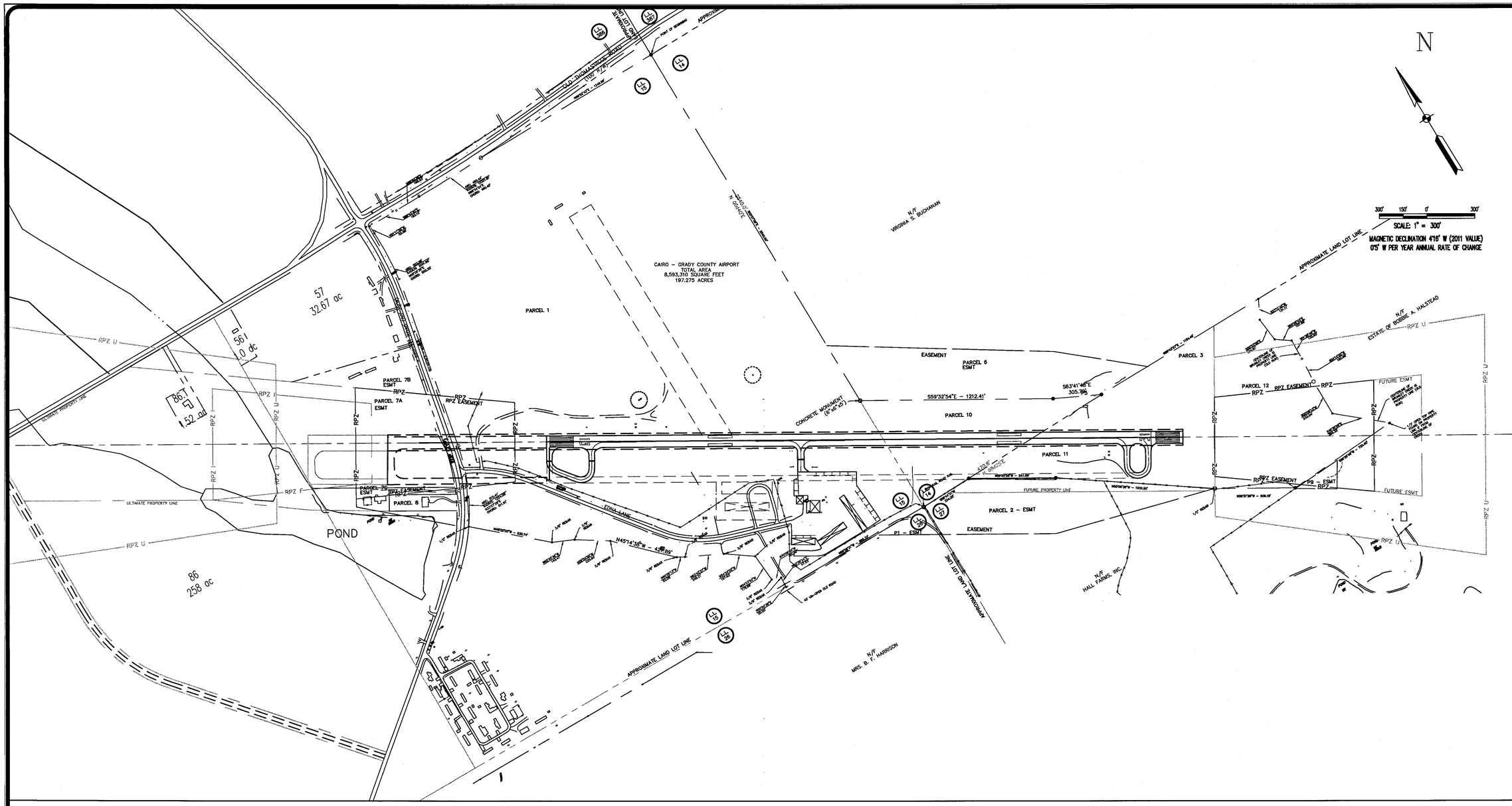


EXHIBIT A PROPERTY TABLE

PARCEL	OWNER	TYPE	AREA (AC)	ACQUISITION	DATE
0	CAIRO–GRADY COUNTY AIRPORT	FEE SIMPLE	218.2	LOCAL	N/A
1	MRS. S.F. HARRISON	ESMT	0.82	ADAP	04/20/1964
2	HALL FARMS, INC.	ESMT	9.92	ADAP	01/10/1990
3	HALL FARMS, INC.	FEE SIMPLE	13.20	ADAP	12/27/1980
4	N/A	N/A	N/A	N/A	N/A
5	HAZEL WHITE & H.P. HARPER	FEE SIMPLE	0.07	ADAP	04/20/1964
6	WALDO WHITE	ESMT	13.57	ADAP	04/20/1964
7A	CARL HUCKS	ESMT	4.91	FAAP	N/A
7B	JAMES JENKINS	ESMT	2.35	ADAP	10/02/1980
7C	JAMES JENKINS	ESMT	2.76	ADAP	10/02/1980
8	PEGGY HALL	ESMT	0.99	ADAP	02/26/1981
9	EDNA HALL	ESMT	0.67	N/A	01/10/1990
10	L.J. HARPER, H.P. HARPER, MRS. WALDO WHITE	FEE SIMPLE	11.5	N/A	04/20/1964
11	ALTON HALL	FEE SIMPLE	4.5	N/A	04/20/1964
12	HALL FARMS, INC.	FEE SIMPLE	18.67	N/A	01/10/1990

LEGEND

	EXISTING	PHASE I	ULTIMATE
GROUND CONTOURS	240	N / A	N / A
BUILDINGS			
AIRPORT PROPERTY LINES			
AIRPORT EASEMENT			
RUNWAY PROTECTION ZONE (RPZ)	RPZ	RPZ	RPZ
RUNWAY SAFETY AREA (RSA)	RSA	RSA	RSA
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	ROFA	ROFA
TAXIWAY SAFETY AREA (TSA)	TSA	TSA	TSA
BUILDING RESTRICTION LINE (20' H) (BRL)	BRL	BRL	BRL
OBSTACLE FREE ZONE (OFZ)	OFZ	OFZ	OFZ
AIRPORT REFERENCE POINT (ARP)			
RUNWAY ℄			
POWER LINES	P	P	P
UNDERGROUND ELECTRIC LINE	UGE	UGE	UGE
FENCE			
GUIDANCE SIGNS	N / A	N / A	N / A

D.A. JONES ENGINEERING, LLC
1953 KENNARD DRIVE
SNELLVILLE, GEORGIA 30078
(770) 822-3080

D.A. JONES

REV. NO.	DESCRIPTION	DATE
	REVISIONS	

PROPERTY MAP
AIRPORT LAYOUT PLAN
CAIRO AIPORT

CAIRO, GEORGIA

Designed	DAJ
Date	3/11/2011
Scale	1"=300'
Drawn	DAJ
Checked	DAJ
Project No.	PN
Sheet No.	7 OF 7

FILE