Plan Room

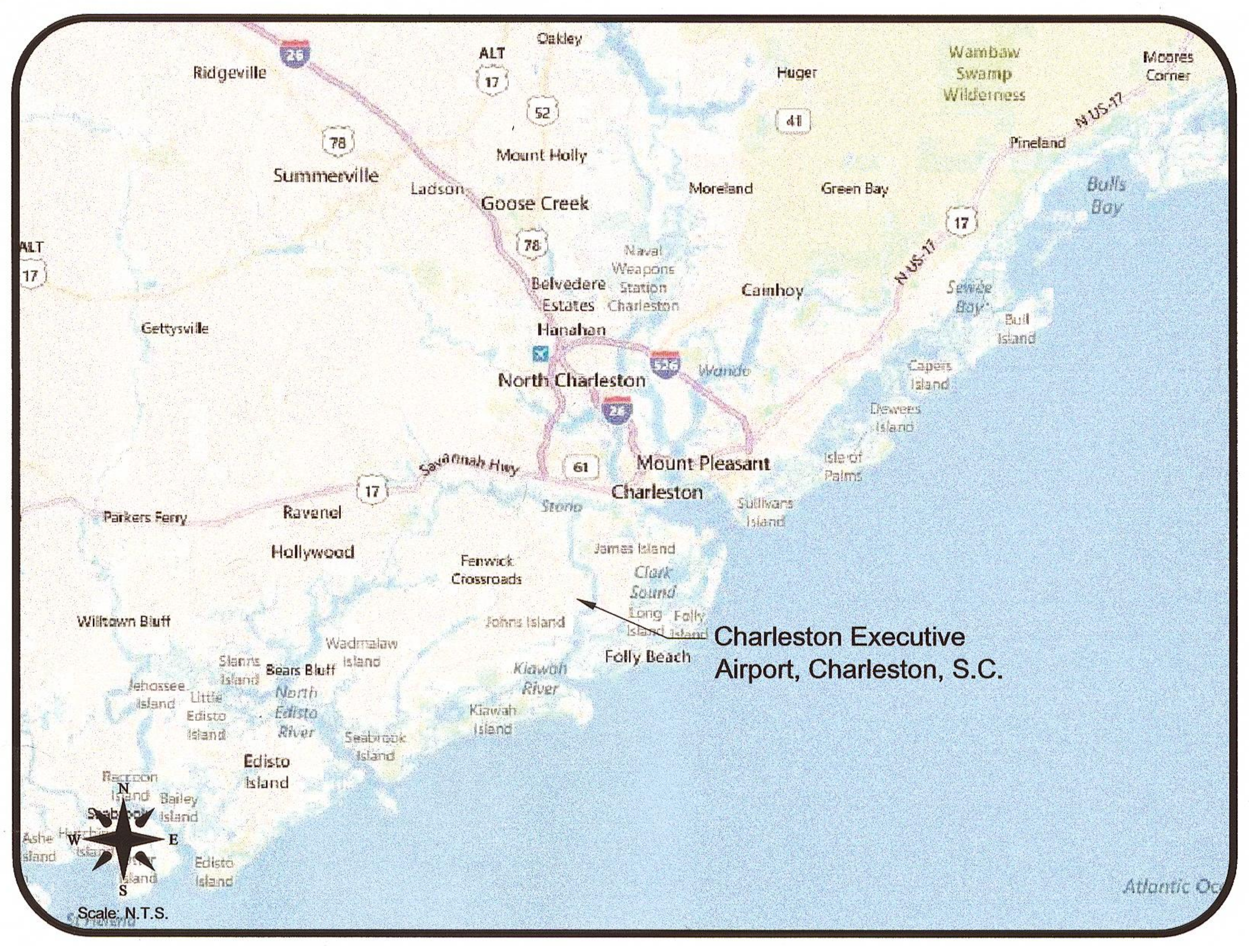
AIRPORT LAYOUT PLAN

Charleston Executive Airport, Charleston, S.C.

OPERATED BY:

Charleston County Aviation Authority - CCAA

CHARLESTON COUNTY AIRPORT DISTRICT SEAL SOUTH CAROLINA 1970 CHARLESTON COUNTY AVIATION AUTHORITY



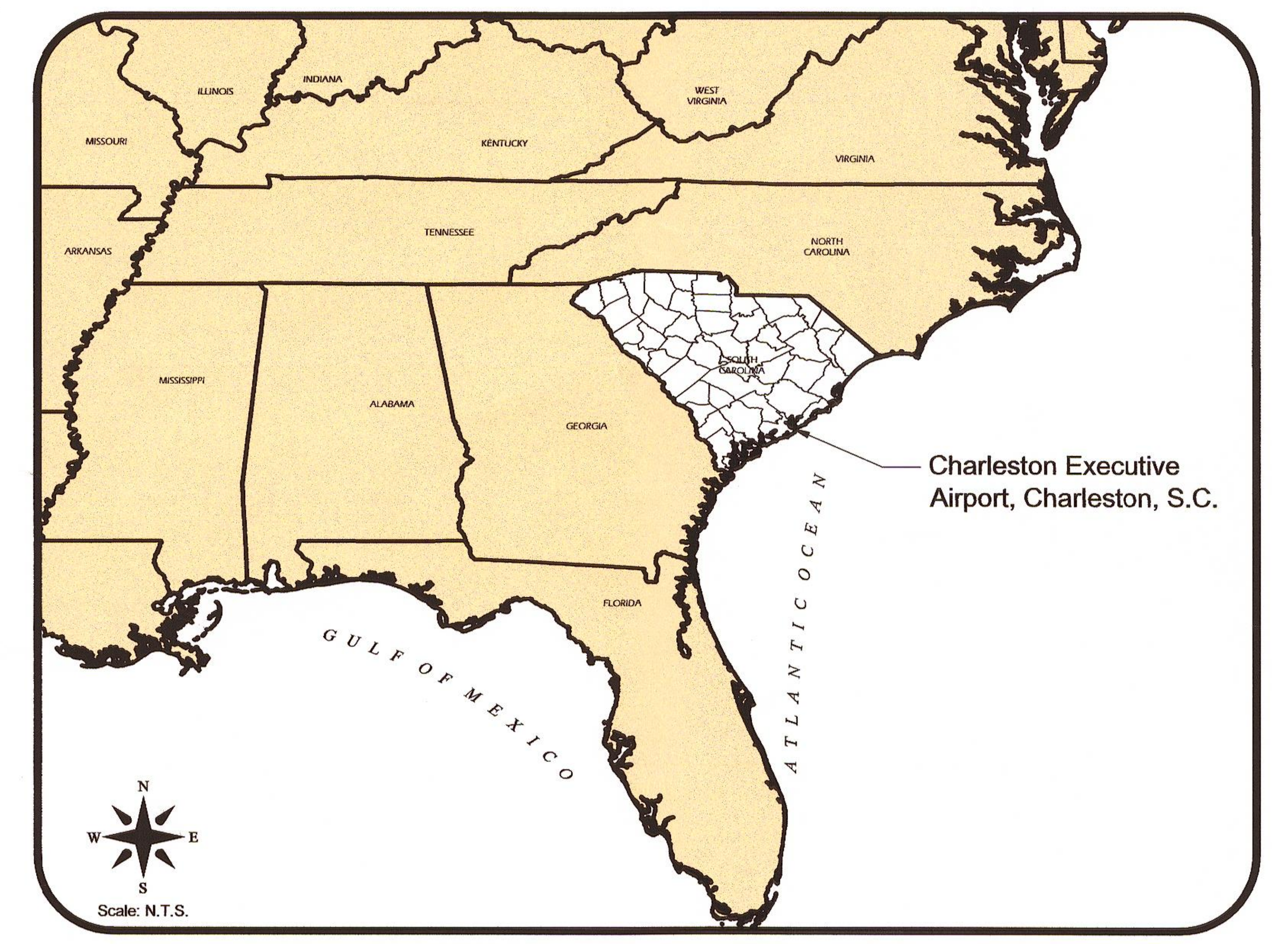
VICINITY MAP

PREPARED BY

ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

ADC
ENGINEERING SPECIALISTS

APRIL 2013



LOCATION MAP

INDEX OF DRAWINGS

TITLE	SHEET NO.
COVER SHEET	1 OF 13
EXISTING FACILITIES	2 OF 13
AIRPORT LAYOUT PLAN	3 OF 13
DATA SHEET	4 OF 13
TERMINAL AREA PLAN A	5 OF 13
TERMINAL AREA PLAN B	6 OF 13
RUNWAY 9 INNER PORTION OF THE APPROACH	7 OF 13
RUNWAY 27 INNER PORTION OF THE APPROACH	8 OF 13
RUNWAY 4-22 INNER PORTION OF THE APPROACH	9 OF 13
AIRSPACE PLAN - PART 77	10 OF 13
PART-77 AIRSPACE OBSTRUCTION DATA	11 OF 13
EXISTING AIRPORT LAND USE PLAN	12 OF 13
AIRPORT PROPERTY MAP	13 OF 13

EXISTING BUILDINGS		
BUILDING ID	DESCRIPTION	BUILDING HEIGHT (MSL)
1	FBO BUILDING	44'
2	STORAGE HANGAR	44'
3	STORAGE HANGAR	44'
4	STORAGE HANGAR	54'
5	STORAGE HANGAR	44'
6	US COAST GUARD ANNEX	52'
7	CORPORATE HANGAR	34'
8	CORPORATE HANGAR	36'
9	T-HANGAR (10 UNIT)	34'
10	T-HANGAR	34'
11	CORPORATE HANGAR	36'
12	PORT A PORTS (INDIVIDUAL T-HANGARS)	30'
13	AIRCRAFT MAINTENANCE	41'
14	T-HANGAR	33'
15	FBO - TERMINAL	50'
16	AIRPORT MAINTENANCE BUILDING	33'
17	AIRPORT SELF FUELING STATION	31'
18	MOSQUITO ABATEMENT	35'
19	MOSQUITO ABATEMENT	41'
20	MOSQUITO ABATEMENT	25'

FAA DISCLAIMER

THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICIES OF THE FAA. THE ACCEPTANCE OF THIS PLAN BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS.

LEGEND	
DESCRIPTION	EXISTING
RUNWAY CENTERLINE	
RUNWAY SAFETY AREA (RSA)	RSA
RUNWAY OBJECT FREE AREA (ROFA)	ROFA
RUNWAY OBJECT FREE ZONE (ROFZ)	ROFZ
RUNWAY PROTECTION ZONE (RPZ)	RPZ
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA
BUILDING RESTRICTION LINE (35')	BRL
APPROACH SLOPE	AS
AIRPORT PROPERTY LINE	PL
PAVED AIRFIELD SURFACES	
AIRPORT REFERENCE POINT	
AIRPORT BUILDINGS	
FENCE	
ROADS	
TREE LINE	
CONTOUR LINES	10
GENERIC VISUAL GLIDE SLOPE INDICATOR	
THRESHOLD LIGHTS	
RUNWAY END IDENTIFIER LIGHTS (REILS)	
WINDCONE	
TAXIWAY OBJECT FREE ZONE	TOFZ
ROTATING BEACON	
PRECISION APPROACH EQUIPMENT CRITICAL AREAS	
CULTURAL RESOURCE AREA	

REVISIONS	
DATE	DESCRIPTION

CLIENT

CHARLESTON COUNTY AVIATION AUTHORITY

PROJECT

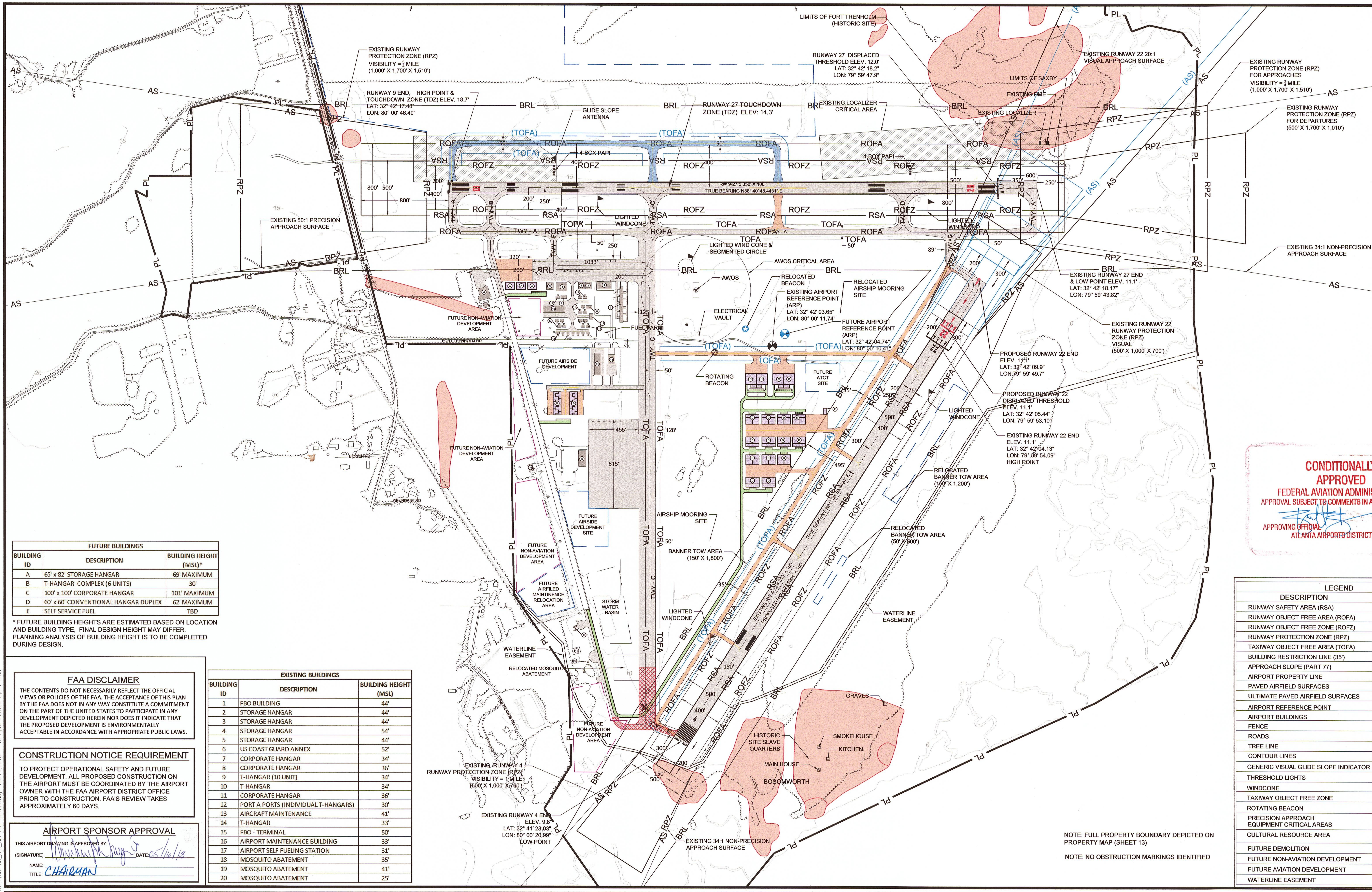
CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

SHEET TITLE

EXISTING FACILITIES

ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.:	063028502
DRAWN:	AMM
DESIGN:	AMM
CHECKED:	JDH
DATE:	APRIL 2013



FUTURE BUILDINGS		
BUILDING ID	DESCRIPTION	BUILDING HEIGHT (MSL)*
A	65' x 82' STORAGE HANGAR	69' MAXIMUM
B	T-HANGAR COMPLEX (6 UNITS)	30'
C	100' x 100' CORPORATE HANGAR	101' MAXIMUM
D	60' x 60' CONVENTIONAL HANGAR DUPLEX	62' MAXIMUM
E	SELF SERVICE FUEL	TBD

* FUTURE BUILDING HEIGHTS ARE ESTIMATED BASED ON LOCATION AND BUILDING TYPE, FINAL DESIGN HEIGHT MAY DIFFER. PLANNING ANALYSIS OF BUILDING HEIGHT IS TO BE COMPLETED DURING DESIGN.

FAA DISCLAIMER

THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICIES OF THE FAA. THE ACCEPTANCE OF THIS PLAN BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS.

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 FAA AIRPORT DISTRICT OFFICE PRIOR TO CONSTRUCTION. FAA'S REVIEW TAKES APPROXIMATELY 60 DAYS.

AIRPORT SPONSOR APPROVAL

THIS AIRPORT DRAWING IS APPROVED BY:

(SIGNATURE) DATE: 05/16/13

NAME:

TITLE: CHAIRMAN

EXISTING BUILDINGS		
BUILDING ID	DESCRIPTION	BUILDING HEIGHT (MSL)
1	FBO BUILDING	44'
2	STORAGE HANGAR	44'
3	STORAGE HANGAR	44'
4	STORAGE HANGAR	54'
5	STORAGE HANGAR	44'
6	US COAST GUARD ANNEX	52'
7	CORPORATE HANGAR	34'
8	CORPORATE HANGAR	36'
9	T-HANGAR (10 UNIT)	34'
10	T-HANGAR	34'
11	CORPORATE HANGAR	36'
12	PORT A PORTS (INDIVIDUAL T-HANGARS)	30'
13	AIRCRAFT MAINTENANCE	41'
14	T-HANGAR	33'
15	FBO - TERMINAL	50'
16	AIRPORT MAINTENANCE BUILDING	33'
17	AIRPORT SELF FUELING STATION	31'
18	MOSQUITO ABATEMENT	35'
19	MOSQUITO ABATEMENT	41'
20	MOSQUITO ABATEMENT	25'

LEGEND		
DESCRIPTION	EXISTING	FUTURE
RUNWAY SAFETY AREA (RSA)	RSA	(RSA)
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	(ROFA)
RUNWAY OBJECT FREE ZONE (ROFZ)	ROFZ	(ROFZ)
RUNWAY PROTECTION ZONE (RPZ)	RPZ	(RPZ)
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA	(TOFA)
BUILDING RESTRICTION LINE (35')	BRL	(BRL)
APPROACH SLOPE (PART 77)	AS	(AS)
AIRPORT PROPERTY LINE	PL	FPL
PAVED AIRFIELD SURFACES		
ULTIMATE PAVED AIRFIELD SURFACES	N/A	
AIRPORT REFERENCE POINT		
AIRPORT BUILDINGS		
FENCE		
ROADS		
TREE LINE		N/A
CONTOUR LINES	10	N/A
GENERIC VISUAL GLIDE SLOPE INDICATOR		N/A
THRESHOLD LIGHTS		N/A
WINDCONE		
TAXIWAY OBJECT FREE ZONE	TOFZ	(TOFZ)
ROTATING BEACON		
PRECISION APPROACH EQUIPMENT CRITICAL AREAS		N/A
CULTURAL RESOURCE AREA		N/A
FUTURE DEMOLITION	N/A	
FUTURE NON-AVIATION DEVELOPMENT	N/A	
FUTURE AVIATION DEVELOPMENT	N/A	
WATERLINE EASEMENT		N/A

REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT

CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

SHEET TITLE

AIRPORT LAYOUT PLAN

ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.: 063028502
DRAWN: AMM
DESIGN: AMM
CHECKED: JDH
DATE: APRIL 2013

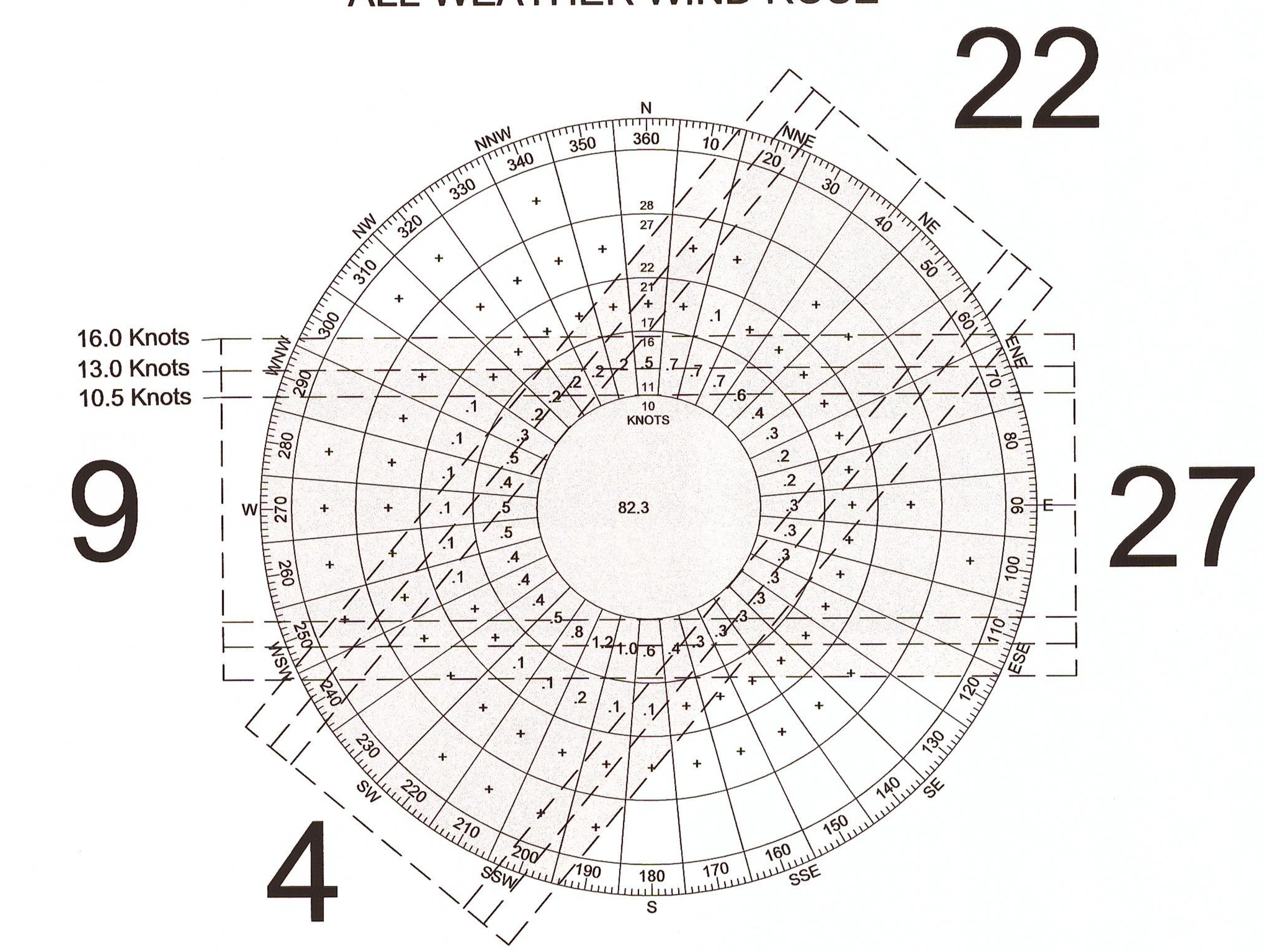
RUNWAY DATA

RUNWAY DATA		RUNWAY 9/FUTURE RUNWAY 10 EXISTING	RUNWAY 9/FUTURE RUNWAY 10 ULTIMATE	RUNWAY 27/ FUTURE RUNWAY 28 EXISTING	RUNWAY 27/ FUTURE RUNWAY 28 ULTIMATE
EFFECTIVE GRADIENT		0.14%	SAME	0.14%	SAME
% WIND COVERAGE	10.5 KNOTS	90.65%	SAME	90.65	SAME
	13.0 KNOTS	94.89%	SAME	94.89	SAME
	16.0 KNOTS	98.83%	SAME	98.83	SAME
MAXIMUM ELEVATION (MSL.)		18.7'	SAME	18.7'	SAME
RUNWAY LENGTH		5,350'	SAME	5,350'	SAME
RUNWAY WIDTH		100'	SAME	100'	SAME
DISPLACED THRESHOLD		NONE	SAME	350'	SAME
SURFACE TYPE		CONCRETE	SAME	CONCRETE	SAME
PAVEMENT STRENGTH (LBS.)	SINGLE WHEEL	60,000	SAME	60,000	SAME
	DUAL WHEEL	100,000	SAME	100,000	SAME
PART 77 APPROACH SURFACE SLOPE		50:1	SAME	34:1	SAME
APPROACH VISIBILITY MINIMUMS		3/4 MILE	SAME	3/4 MILE	SAME
VISUAL APPROACH AIDS		PAPI 4-L	SAME	PAPI 4-R	SAME
INSTRUMENT APPROACH AIDS		ILS, DME, GPS	SAME	GPS	SAME
RUNWAY LIGHTING		HIRL	SAME	HIRL	SAME
TAXIWAY LIGHTING		MITL	SAME	MITL	SAME
RUNWAY MARKING		PIR	SAME	NPI	SAME
AIRPORT REFERENCE CODE		D-III	SAME	D-III	SAME
CRITICAL AIRCRAFT		GULFSTREAM V	SAME	GULFSTREAM V	SAME
RUNWAY OBJECT FREE AREA	BEYOND RUNWAY	800*	1,000'	600*	1,000'
	WIDTH	800	SAME	800	SAME
RUNWAY SAFETY AREA	BEYOND RUNWAY	800*	SAME	600*	SAME
	WIDTH	500	SAME	500	SAME
FAR PART 77 CATEGORY		PIR	SAME	D(NP)	SAME
RUNWAY END COORDINATES (NAD 1983)		LAT: 32°42'17.5" LONG: 80°00'46.4"	SAME	LAT: 32°41'18.2" LONG: 79°59'43.7"	SAME
RUNWAY END ELEVATIONS (MSL)		18.7'	SAME	11.1'	SAME
DISPLACED THRESHOLD ELEVATION (MSL)		N/A	N/A	12.0'	SAME
TDZ ELEVATION (MSL)		18.7'	SAME	14.19'	SAME
RUNWAY TRUE BEARING		N88°40'48.4431"E	SAME	N268°40'48.4431"E	SAME

RUNWAY DATA

RUNWAY DATA		RUNWAY 4 EXISTING	RUNWAY 4 FUTURE	RUNWAY 22 EXISTING	RUNWAY 22 FUTURE
EFFECTIVE GRADIENT		0.02%	0.03%	0.02%	0.03%
% WIND COVERAGE	10.5 KNOTS	94.28%	SAME	94.28%	SAME
	13.0 KNOTS	97.18%	SAME	97.18%	SAME
	16.0 KNOTS	99.40%	SAME	99.40%	SAME
MAXIMUM ELEVATION (MSL.)		11.1'	SAME	11.1'	SAME
RUNWAY LENGTH		4,313'	5,004'	4,313'	5,004'
RUNWAY WIDTH		150'	SAME	150'	SAME
DISPLACED THRESHOLD		NONE	SAME	NONE	530'
SURFACE TYPE		CONCRETE	SAME	CONCRETE	SAME
PAVEMENT STRENGTH (LBS.)	SINGLE WHEEL	45,000	SAME	45,000	SAME
	DOUBLE WHEEL	56,000	SAME	56,000	SAME
PART 77 APPROACH SURFACE SLOPE		34:1	SAME	20:1	SAME
APPROACH VISIBILITY MINIMUMS		1 MILE	SAME	VFR	SAME
VISUAL APPROACH AIDS		NONE	SAME	NONE	SAME
INSTRUMENT APPROACH AIDS		GPS	SAME	NONE	SAME
RUNWAY LIGHTING		MIRL	SAME	MIRL	SAME
TAXIWAY LIGHTING		MITL	SAME	MITL	SAME
RUNWAY MARKING		NPI	SAME	VISUAL	SAME
AIRPORT REFERENCE CODE		B-II	SAME	B-II	SAME
CRITICAL AIRCRAFT		CITATION III	SAME	CITATION III	SAME
RUNWAY OBJECT FREE AREA	BEYOND RUNWAY	300	SAME	300	SAME
	WIDTH	500	SAME	500	SAME
RUNWAY SAFETY AREA	BEYOND RUNWAY	300	SAME	300	SAME
	WIDTH	150	SAME	150	SAME
FAR PART 77 CATEGORY		C(NP)	SAME	B(V)	SAME
RUNWAY END COORDINATES (NAD 1983)		LAT: 32°41'28.0" LONG: 80°00'20.9"	SAME	LAT: 32°42'04.1" LONG: 79°59'54.1"	LAT: 32°42'09.9" LONG: 79°59'49.7"
RUNWAY END ELEVATIONS (MSL)		9.8'	SAME	11.1'	11.1'
DISPLACED THRESHOLD ELEVATION (MSL)		N/A	SAME	N/A	11.1'
TDZ ELEVATION (MSL)		11.1'	SAME	N/A	N/A
RUNWAY BEARING		N31°38'54.6424"E	SAME	N31°38'54.6424"E	SAME

ALL WEATHER WIND ROSE



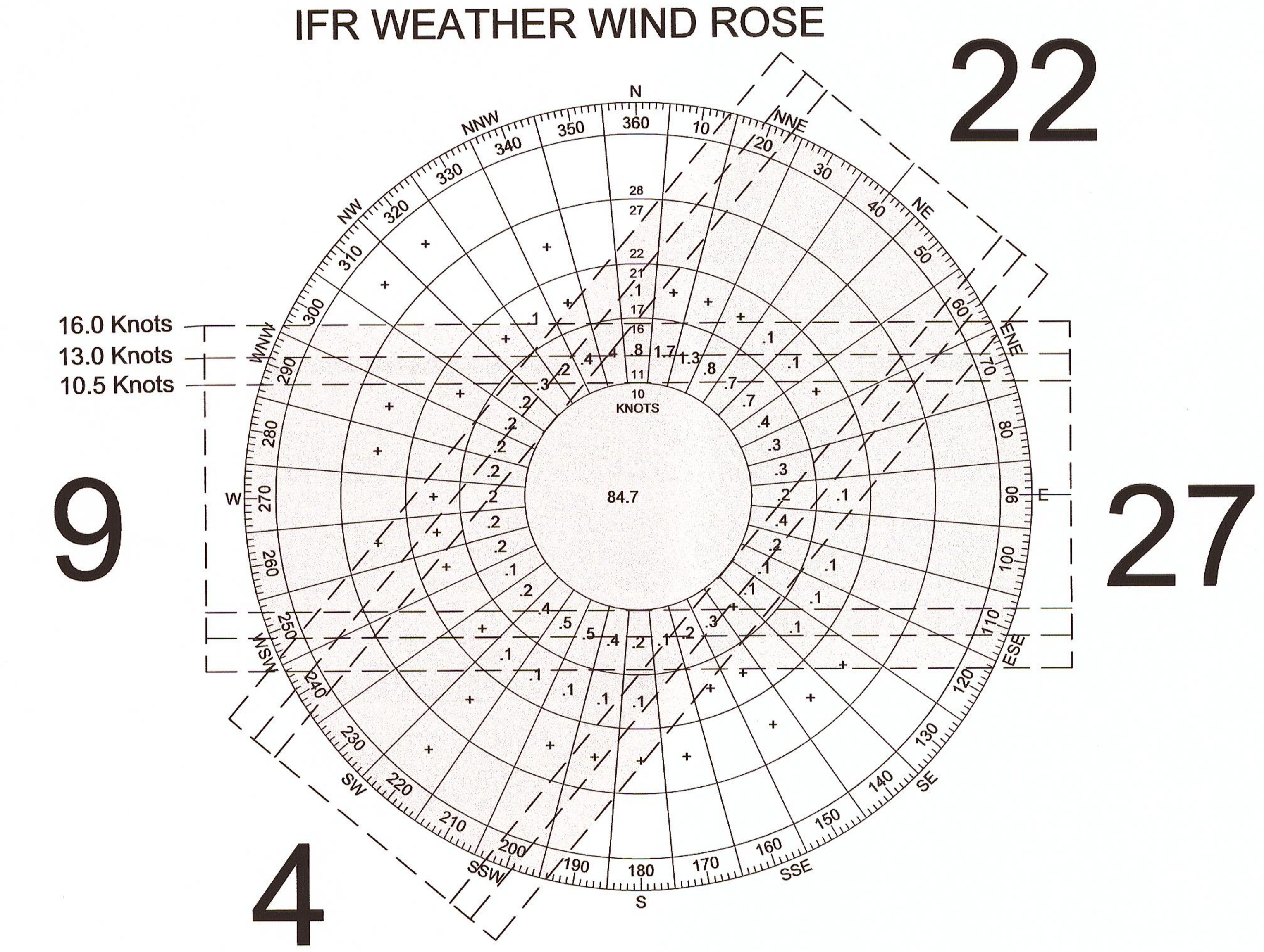
AIRPORT DATA

AIRPORT DATA		EXISTING	FUTURE
AIRPORT ELEVATION (MSL)		18.6'	18.6'
AIRPORT REFERENCE POINT	(NAD 1983)		
	LATITUDE	32° 42' 03.66"	32° 42' 04.74"
	LONGITUDE	80° 00' 11.74"	80° 00' 10.41"
MEAN MAX. TEMP OF HOTTEST MONTH		88°	88°
AIRPORT TERMINAL NAVAIDS		CAT-I ILS, DME, GPS, BEACON	CAT-I ILS, DME, GPS, BEACON
AIRPORT REFERENCE CODE / RUNWAY		D-III / RWY 9-27	D-III / RWY 9-27
		B-II/RWY 4-22	B-II/RWY 4-22
DESIGN AIRCRAFT	RWY 9-27	GULFSTREAM V	GULFSTREAM V
	RWY 4-22	CITATION III	CITATION III
NPIAS SERVICE LEVEL		GENERAL AVIATION	GENERAL AVIATION
ASSET CATEGORY		REGIONAL	REIGONAL

DECLARED DISTANCES

RUNWAY	PROPOSED TORA	PROPOSED TODA	PROPOSED ASDA	PROPOSED LDA	FUTURE TORA	FUTURE TODA	FUTURE ASDA	FUTURE LDA
RUNWAY 9	5350'	5350'	4600'	4600'	5350'	5350'	4600'	4600'
RUNWAY 27	5350'	5350'	5150'	4800'	5350'	5350'	5150'	4800'
RUNWAY 4	4313'	4313'	4313'	4313'	5004'	5004'	5004'	5004'
RUNWAY 22	4313'	4313'	4313'	4313'	5004'	5004'	5004'	4474'

IFR WEATHER WIND ROSE



RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS

APPROACH RUNWAY END	EXISTING	PROPOSED
RUNWAY 9	1700'L x 1000'IW x 1510'OW	SAME
RUNWAY 27 APPROACH	1700'L x 1000'IW x 1510'OW	SAME
RUNWAY 27 DEPARTURE	1700'L x 500'IW x 1010OW	SAME
RUNWAY 4	1000'L x 500'IW x 700'OW	SAME
RUNWAY 22 APPROACH	1000'L x 500'IW x 700'OW'	SAME
RUNWAY 22 DEPARTURE	1000'L x 500'IW x 700'OW'	SAME

RUNWAY SAFTEY AREA (RSA) DIMENSIONS

RUNWAY END	EXISTING	PROPOSED
RUNWAY 9	500'W x 800' BEYOND RUNWAY END *	500'W x 1000' BEYOND ASDA + LDA
RUNWAY 27	500'W x 600' BEYOND RUNWAY END *	500'W x 1000' BEYOND RUNWAY ASDA + LDA
RUNWAY 4	150'W x 300' BEYOND RUNWAY END	150'W x 300' BEYOND RUNWAY END
RUNWAY 22	150'W x 300' BEYOND RUNWAY END	150'W x 300' BEYOND RUNWAY END

* FAA STANDARD ROFA/RSA LENGTH BEYOND RUNWAY END FOR ARC D-III IS 1,000'. THE AIRPORT HAS CONDUCTED AN RSA DETERMINATION STUDY. THIS DEFICIENCY WILL REQUIRE IMPLEMENTATION OF DECLARED DISTANCES

ALL WEATHER

CROSS WIND COMPONENT	9-27	4-22	COMBINED
10.5 Knots / 12 MPH	90.65%	94.28%	97.88%
13.0 Knots / 15 MPH	94.89%	97.18%	99.33%
16.0 Knots / 18.5 MPH	98.83%	99.40%	99.86%

IFR WEATHER

CROSS WIND COMPONENT	9-27	4-22	COMBINED
10.5 Knots / 12 MPH	90.68%	95.65%	97.85%
13.0 Knots / 15 MPH	94.81%	97.67%	99.15%
16.0 Knots / 18.5 MPH	98.78%	99.17%	99.68%

Station: Charleston International Airport, Charleston, South Carolina
Source: National Climatic Data Center/National Oceanic and Atmospheric Administration
Period of Observation: 2000 - 2009
All Weather Observations: 83,171
IFR Weather Observations: 4,231 (5.09% of the time)

FAA DISCLAIMER

THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICIES OF THE FAA. THE ACCEPTANCE OF THIS PLAN BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS.

REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT
CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

SHEET TITLE
DATA SHEET

ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.: 063028502
DRAWN: AMM
DESIGN: AMM
CHECKED: JDH
DATE: APRIL 2013

LEGEND		
DESCRIPTION	EXISTING	FUTURE
RUNWAY SAFETY AREA (RSA)	RSA	(RSA)
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	(ROFA)
RUNWAY OBJECT FREE ZONE (ROFZ)	ROFZ	(ROFZ)
RUNWAY PROTECTION ZONE (RPZ)	RPZ	(RPZ)
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA	(TOFA)
BUILDING RESTRICTION LINE (35')	BRL	(BRL)
APPROACH SLOPE (PART 77)	AS	(AS)
AIRPORT PROPERTY LINE	PL	FPL
PAVED AIRFIELD SURFACES		
ULTIMATE PAVED AIRFIELD SURFACES	N/A	
AIRPORT REFERENCE POINT		
AIRPORT BUILDINGS		
FENCE		
ROADS		
TREE LINE		N/A
CONTOUR LINES	10	N/A
GENERIC VISUAL GLIDE SLOPE INDICATOR		N/A
THRESHOLD LIGHTS		N/A
WINDCONE		
TAXIWAY OBJECT FREE ZONE	TOFZ	(TOFZ)
ROTATING BEACON		
PRECISION APPROACH EQUIPMENT CRITICAL AREAS		N/A
CULTURAL RESOURCE AREA		N/A
FUTURE DEMOLITION	N/A	
FUTURE NON-AVIATION DEVELOPMENT	N/A	
FUTURE AVIATION DEVELOPMENT	N/A	

EXISTING BUILDINGS		
BUILDING ID	DESCRIPTION	BUILDING HEIGHT (MSL)
1	FBO BUILDING	44'
2	STORAGE HANGAR	44'
3	STORAGE HANGAR	44'
4	STORAGE HANGAR	54'
5	STORAGE HANGAR	44'
6	US COAST GUARD ANNEX	52'
7	CORPORATE HANGAR	34'
8	CORPORATE HANGAR	36'
9	T-HANGAR (10 UNIT)	34'
10	T-HANGAR	34'
11	CORPORATE HANGAR	36'
12	PORT A PORTS (INDIVIDUAL T-HANGARS)	30'
13	AIRCRAFT MAINTENANCE	41'
14	T-HANGAR	33'
15	FBO - TERMINAL	50'
16	AIRPORT MAINTENANCE BUILDING	33'
17	AIRPORT SELF FUELING STATION	31'
18	MOSQUITO ABATEMENT	35'
19	MOSQUITO ABATEMENT	41'
20	MOSQUITO ABATEMENT	25'

FUTURE BUILDINGS		
BUILDING ID	DESCRIPTION	BUILDING HEIGHT (MSL)*
A	65' x 82' STORAGE HANGAR	69' MAXIMUM
B	T-HANGAR COMPLEX (6 UNITS)	30'
C	100' x 100' CORPORATE HANGAR	101' MAXIMUM
D	60' x 60' CONVENTIONAL HANGAR DUPLEX	62' MAXIMUM
E	SELF SERVICE FUEL	TBD

NOTE: NO OBSTRUCTION MARKINGS IDENTIFIED

DECLINATION 7° 32' W
MAGNETIC
TRUE NORTH
AIRFIELD SURVEY: 2008
REFERENCE DATUM FOR ALL COORDINATES & ELEVATIONS
NAD 83/NAVD 88
0 100' 200'
MARCH 2013
ANNUAL RATE OF CHANGE
0° 4' W

REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT

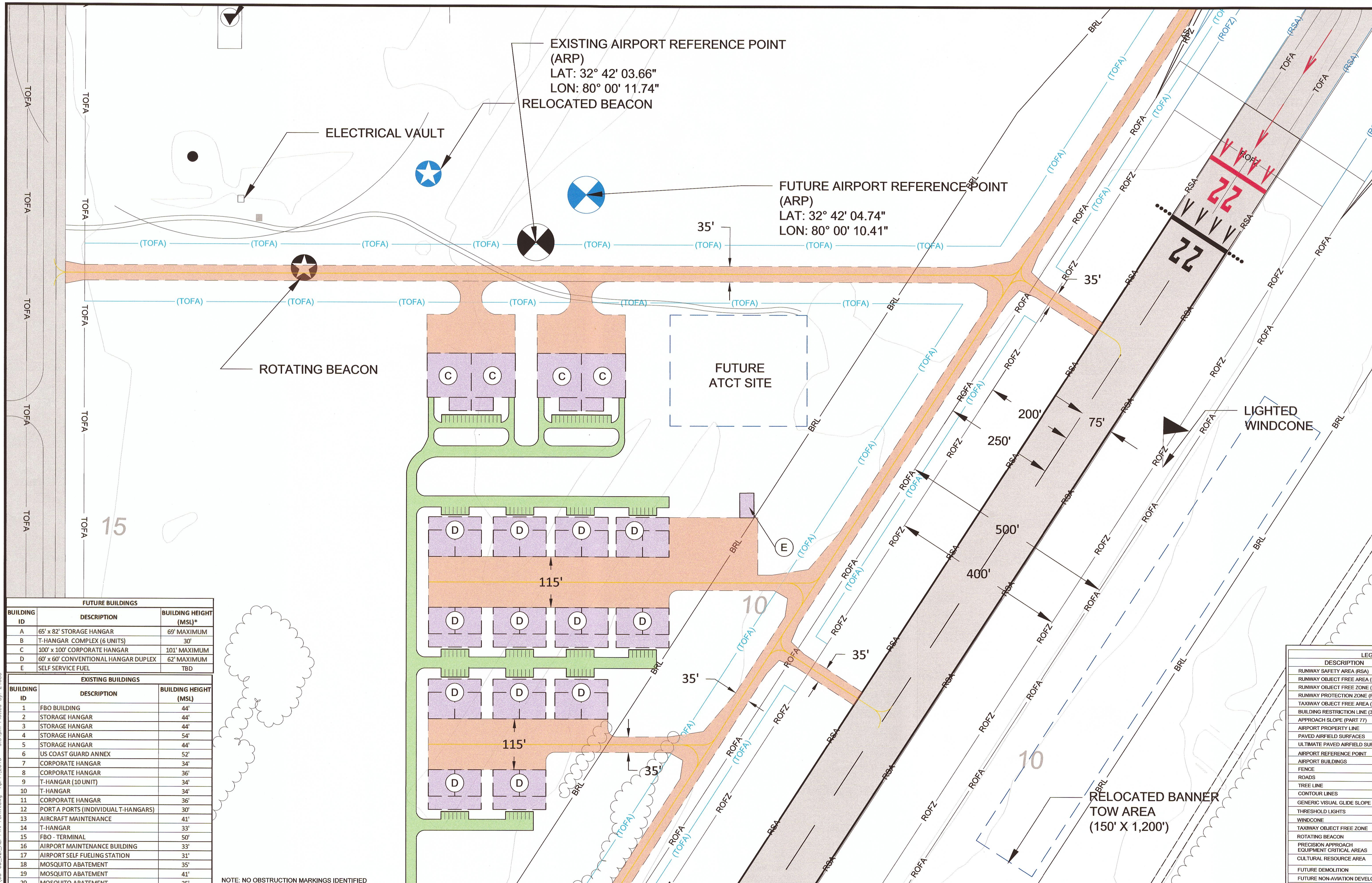
CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

SHEET TITLE

TERMINAL AREA PLAN A
EXISTING TERMINAL AREA

ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.:	063028502
DRAWN:	AMM
DESIGN:	AMM
CHECKED:	JDH
DATE:	APRIL 2013



FUTURE BUILDINGS		
BUILDING ID	DESCRIPTION	BUILDING HEIGHT (MSL)*
A	65' x 82' STORAGE HANGAR	69' MAXIMUM
B	T-HANGAR COMPLEX (6 UNITS)	30'
C	100' x 100' CORPORATE HANGAR	101' MAXIMUM
D	60' x 60' CONVENTIONAL HANGAR DUPLEX	62' MAXIMUM
E	SELF SERVICE FUEL	TBD

EXISTING BUILDINGS		
BUILDING ID	DESCRIPTION	BUILDING HEIGHT (MSL)
1	FBO BUILDING	44'
2	STORAGE HANGAR	44'
3	STORAGE HANGAR	44'
4	STORAGE HANGAR	54'
5	STORAGE HANGAR	44'
6	US COAST GUARD ANNEX	52'
7	CORPORATE HANGAR	34'
8	CORPORATE HANGAR	36'
9	T-HANGAR (10 UNIT)	34'
10	T-HANGAR	34'
11	CORPORATE HANGAR	36'
12	PORT A PORTS (INDIVIDUAL T-HANGARS)	30'
13	AIRCRAFT MAINTENANCE	41'
14	T-HANGAR	33'
15	FBO - TERMINAL	50'
16	AIRPORT MAINTENANCE BUILDING	33'
17	AIRPORT SELF FUELING STATION	31'
18	MOSQUITO ABATEMENT	35'
19	MOSQUITO ABATEMENT	41'
20	MOSQUITO ABATEMENT	25'

DECLINATION 7° 32' W
MAGNETIC
N
TRUE NORTH

REFERENCE DATUM FOR ALL COORDINATES & ELEVATIONS
NAD 83/NAVD 88
AIRFIELD SURVEY: 2008

0 100' 200'

MARCH 2013
ANNUAL RATE OF CHANGE
0° 4' W

LEGEND		
DESCRIPTION	EXISTING	FUTURE
RUNWAY SAFETY AREA (RSA)	RSA	(RSA)
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	(ROFA)
RUNWAY OBJECT FREE ZONE (ROFZ)	ROFZ	(ROFZ)
RUNWAY PROTECTION ZONE (RPZ)	RPZ	(RPZ)
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA	(TOFA)
BUILDING RESTRICTION LINE (35')	BRL	(BRL)
APPROACH SLOPE (PART 77)	AS	(AS)
AIRPORT PROPERTY LINE	PL	FPL
PAVED AIRFIELD SURFACES		
ULTIMATE PAVED AIRFIELD SURFACES	N/A	
AIRPORT REFERENCE POINT		
AIRPORT BUILDINGS		
FENCE		
ROADS		
TREE LINE		N/A
CONTOUR LINES	10	N/A
GENERIC VISUAL GLIDE SLOPE INDICATOR		N/A
THRESHOLD LIGHTS		N/A
WINDCONE		
TAXIWAY OBJECT FREE ZONE	TOFZ	(TOFZ)
ROTATING BEACON		
PRECISION APPROACH EQUIPMENT CRITICAL AREAS		N/A
CULTURAL RESOURCE AREA		N/A
FUTURE DEMOLITION	N/A	
FUTURE NON-AVIATION DEVELOPMENT	N/A	
FUTURE AVIATION DEVELOPMENT	N/A	

REVISIONS	
DATE	DESCRIPTION

CLIENT

CHARLESTON COUNTY AIRPORT DISTRICT
CHARLESTON COUNTY AVIATION AUTHORITY

PROJECT

CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

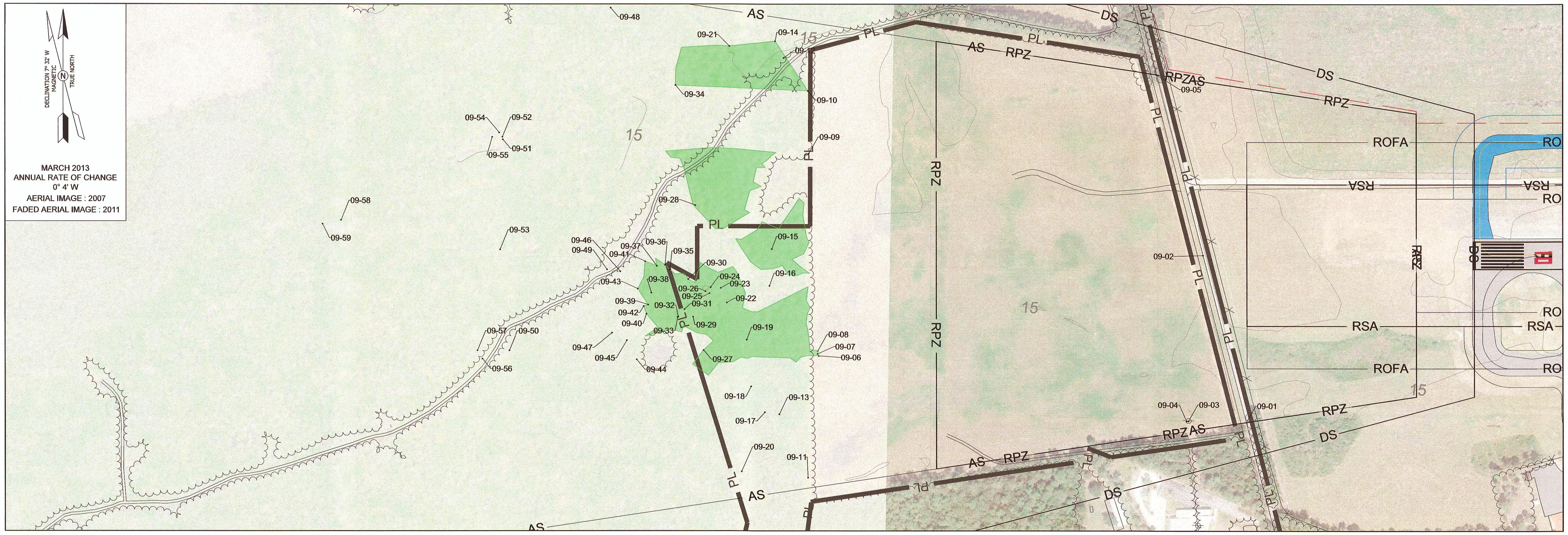
SHEET TITLE

TERMINAL AREA PLAN B
MIDFIELD

ATKINS

482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

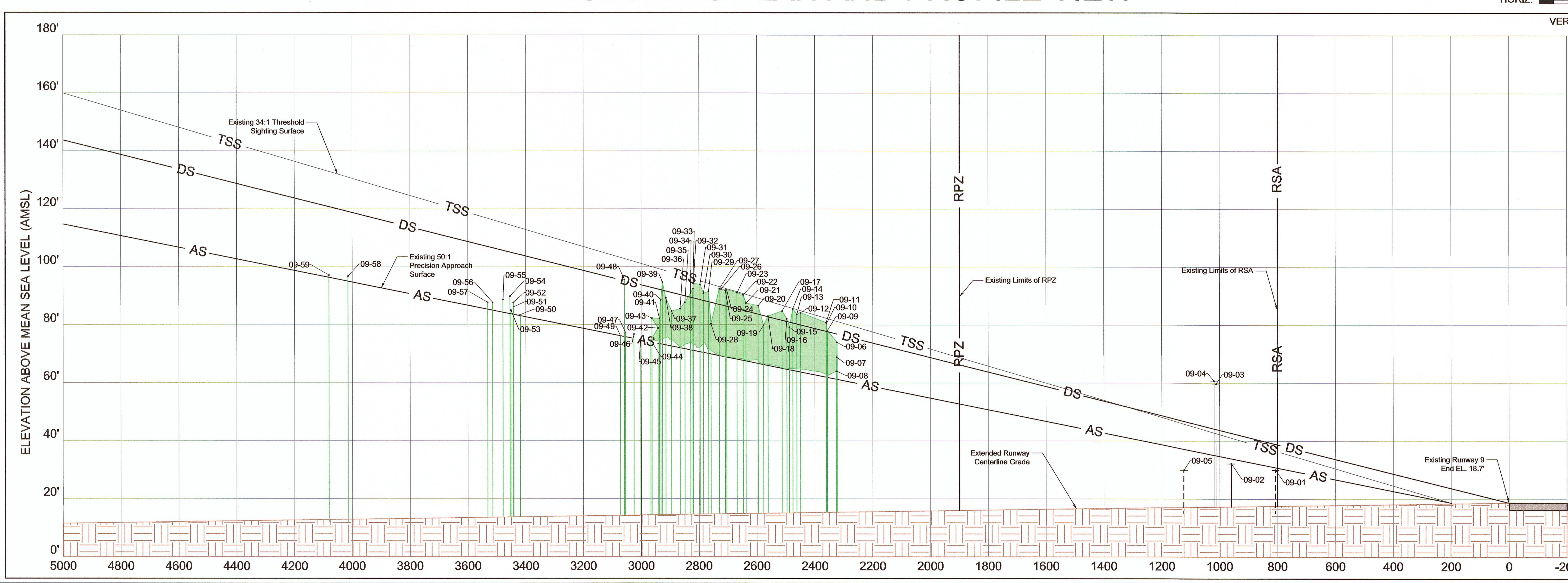
JOB NO.: 063028502
DRAWN: AMM
DESIGN: AMM
CHECKED: JDH
DATE: APRIL 2013



RUNWAY 9 PLAN AND PROFILE VIEW

HORIZ: 0 200'

VERT: 20' 0'



RUNWAY 09-50:1 PRECISION APPROACH OBSTRUCTION DATA					
OBJECT I.D.	OBJECT DESCRIPTION	OBJECT TOP ELEVATION (A.M.S.L.)	EXISTING 50:1 APPROACH SURFACE ELEVATION	EXISTING 50:1 APPROACH SURFACE PENETRATION	PROPOSED MITIGATION
09-01	ROAD	30.1	30.86	-0.76	NONE
09-02	ROAD	32.31	33.90	-1.59	NONE
09-03	POWER POLE	59.8	34.95	24.85	APPLY TSS
09-04	POWER POLE	60.85	35.08	25.77	APPLY TSS
09-05	ROAD	30	37.18	-7.18	NONE
09-06	TREE	73.93	61.16	12.77	APPLY TSS
09-07	TREE	68.86	61.19	7.67	APPLY TSS
09-08	TREE	64.04	61.23	2.81	APPLY TSS
09-09	TREE	78.04	61.83	16.21	APPLY TSS
09-10	TREE	80.42	61.90	18.52	APPLY TSS
09-11	TREE	80.78	61.92	18.86	APPLY TSS
09-12	TREE	84.19	63.70	20.49	APPLY TSS
09-13	TREE	83.65	63.95	19.70	APPLY TSS
09-14	TREE	85.52	64.23	21.29	APPLY TSS
09-15	TREE	79.2	64.46	14.74	APPLY TSS
09-16	TREE	82.06	64.64	17.42	APPLY TSS
09-17	TREE	84.8	64.97	19.83	APPLY TSS
09-18	TREE	83	65.94	17.06	APPLY TSS
09-19	TREE	79.87	66.25	13.62	APPLY TSS
09-20	TREE	86.53	66.62	19.91	APPLY TSS
09-21	TREE	87.43	67.46	19.97	APPLY TSS
09-22	TREE	90.28	67.65	22.63	APPLY TSS
09-23	TREE	90.98	68.08	22.90	APPLY TSS
09-24	TREE	92.03	68.79	23.24	APPLY TSS
09-25	TREE	91.9	68.89	23.01	APPLY TSS
09-26	TREE	92.3	69.18	23.12	APPLY TSS
09-27	TREE	92.33	69.31	23.02	APPLY TSS
09-28	TREE	80.27	69.88	10.39	APPLY TSS
09-29	TREE	91.51	70.05	21.46	APPLY TSS
09-30	TREE	90.82	70.40	20.42	APPLY TSS
09-31	TREE	93.91	70.64	23.27	APPLY TSS
09-32	TREE	94.18	71.10	23.08	APPLY TSS
09-33	TREE	92.44	71.13	21.31	APPLY TSS
09-34	TREE	90.85	71.29	19.56	APPLY TSS
09-35	TREE	87.75	71.68	16.07	APPLY TSS
09-36	TREE	85.45	72.02	13.43	APPLY TSS
09-37	TREE	84.65	72.61	12.04	APPLY TSS
09-38	TREE	89.21	73.00	16.21	APPLY TSS
09-39	TREE	94.71	73.23	21.48	APPLY TSS
09-40	TREE	88.54	73.35	15.19	APPLY TSS
09-41	TREE	82.1	73.44	8.66	APPLY TSS
09-42	TREE	78.82	73.54	5.28	APPLY TSS
09-43	TREE	82.23	73.96	8.27	APPLY TSS
09-44	TREE	74.58	74.04	0.54	APPLY TSS
09-45	TREE	75.12	74.74	0.38	APPLY TSS
09-46	TREE	76.73	75.21	1.52	APPLY TSS
09-47	TREE	77.26	75.79	1.47	APPLY TSS
09-48	TREE	95.64	75.87	19.77	APPLY TSS
09-49	TREE	76.19	76.14	0.05	APPLY TSS
09-50	TREE	83.44	83.08	0.36	APPLY TSS
09-51	TREE	86.25	83.53	2.72	APPLY TSS
09-52	TREE	87.73	83.56	4.17	APPLY TSS
09-53	TREE	85.05	83.73	1.32	APPLY TSS
09-54	TREE	89.88	83.80	6.08	APPLY TSS
09-55	TREE	88.67	84.28	4.39	APPLY TSS
09-56	TREE	87.73	84.99	2.74	APPLY TSS
09-57	TREE	87.73	85.34	2.40	APPLY TSS
09-58	TREE	96.78	95.00	1.78	APPLY TSS
09-59	TREE	97.12	96.32	0.80	APPLY TSS

*OBSTRUCTIONS DEPICTED IN PLAN AND PROFILE, AND OUTLINED IN THE TABLE ABOVE REPRESENT HIGH POINTS WITHIN CLUSTERS OF APPROACH PENETRATIONS. IN TOTAL THERE ARE 337 OBJECTS PENETRATING THE APPROACH FOR RUNWAY 9.

LEGEND

	ROADWAYS
	POWER POLES
	AREA OF MULTIPLE TREE OBSTRUCTIONS, HIGHPOINTS DEPICTED
	TREES
	GROUND PROFILE
—x—x—x—	EXISTING FENCE
— PL —	EXISTING PROPERTY LINE
— RSA —	EXISTING RUNWAY SAFETY AREA
— RPZ —	EXISTING RUNWAY PROTECTION ZONE
— ROFA —	EXISTING RUNWAY OBJECT FREE AREA
— AS —	EXISTING APPROACH SURFACE
— TSS —	THRESHOLD SITING SURFACE
— DS —	DEPARTURE SURFACE

REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT

CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

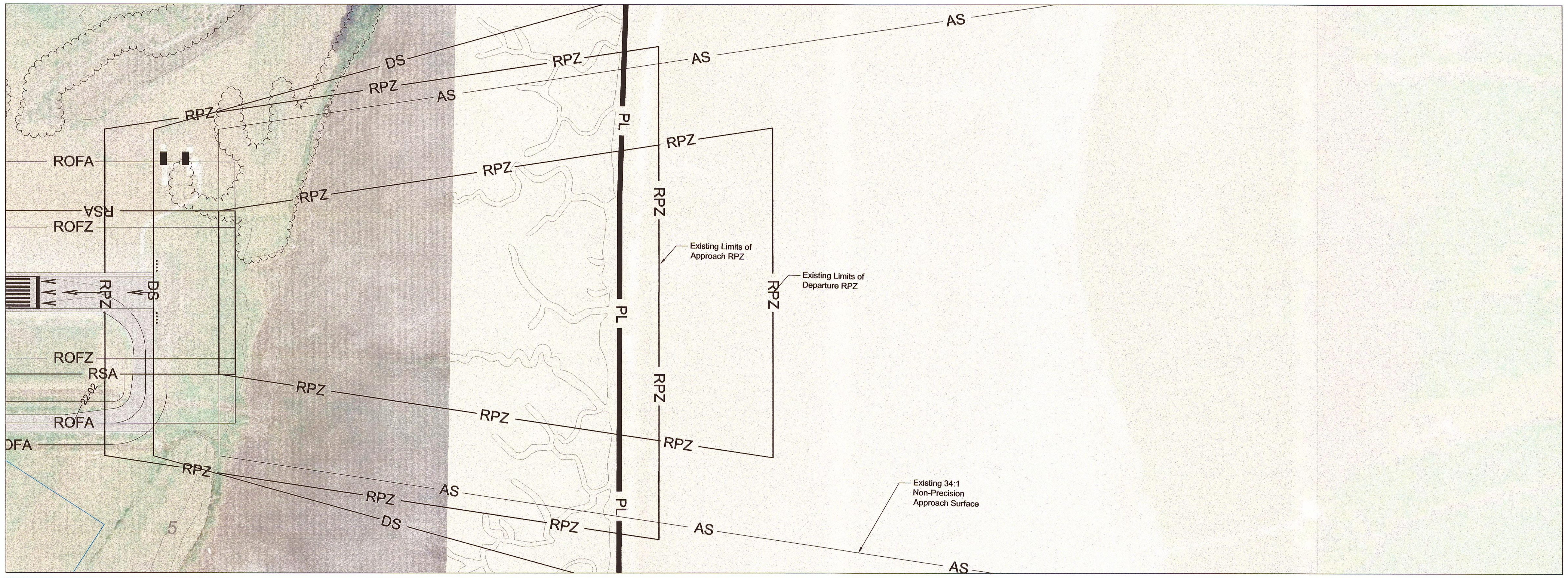
SHEET TITLE

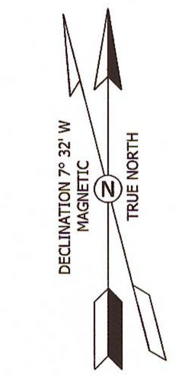
RUNWAY 9 INNER PORTION OF THE APPROACH

ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.: 063028502
DRAWN: AMM
DESIGN: AMM
CHECKED: JDH
DATE: APRIL 2013

RUNWAY 27 PLAN VIEW





MARCH 2013
ANNUAL RATE OF CHANGE
0° 4' W

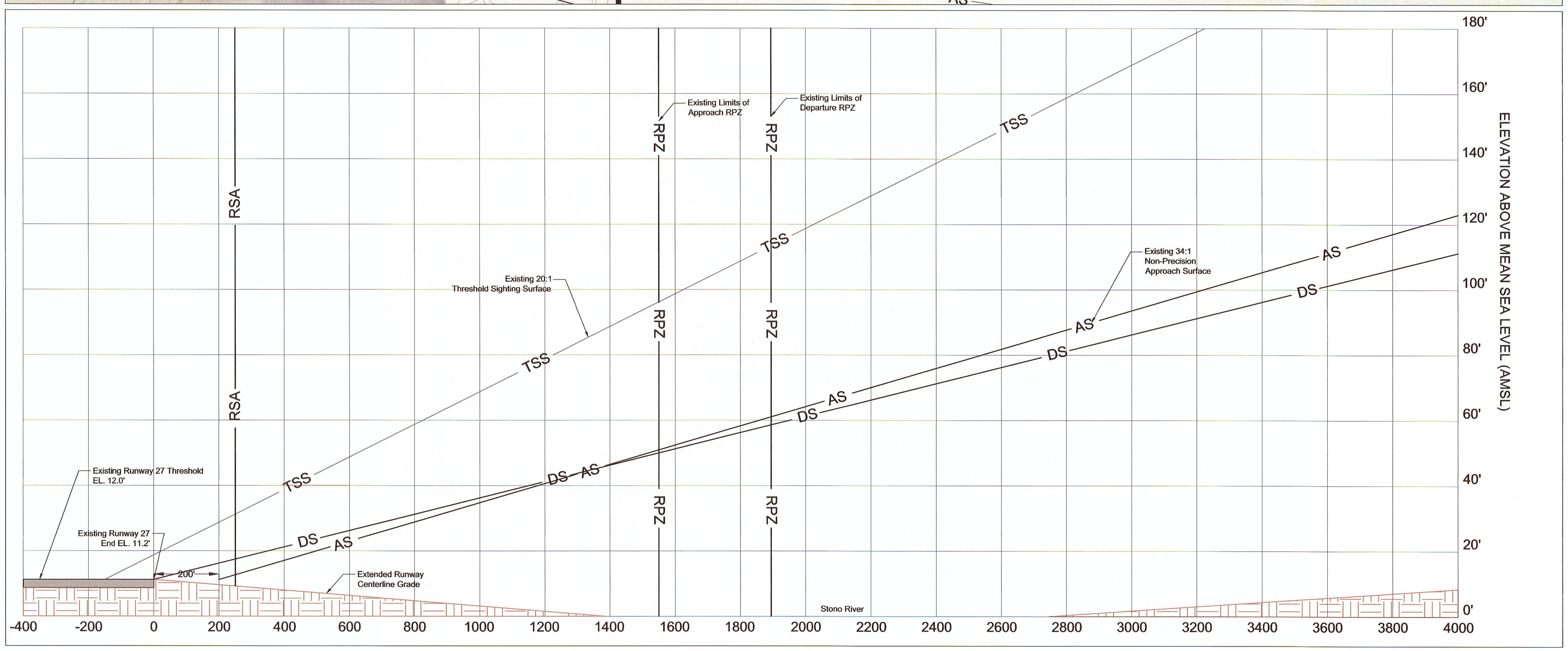
AERIAL IMAGE : 2007
FADED AERIAL IMAGE (USGS): 2011

NO IDENTIFIED OBSTRUCTIONS

VERT: 0' – 20'

HORIZ: 0 – 200'

REFERENCE DATUM FOR ALL COORDINATES & ELEVATIONS NAD 83/NAVD 88



RUNWAY 27 PROFILE VIEW

LEGEND	
	ROADWAYS
	POWER POLES
	TREES
	GROUND PROFILE
—x—x—x—x—	EXISTING FENCE
— PL —	EXISTING PROPERTY LINE
— RSA —	EXISTING RUNWAY SAFETY AREA
— RPZ —	EXISTING RUNWAY PROTECTION ZONE
— ROFA —	EXISTING RUNWAY OBJECT FREE AREA
— AS —	EXISTING APPROACH SURFACE
— (RSA) —	FUTURE RUNWAY SAFETY AREA
— (ROFA) —	FUTURE RUNWAY OBJECT FREE AREA
— (RPZ) —	FUTURE RUNWAY PROTECTION ZONE
— (AS) —	FUTURE APPROACH SURFACE
— TSS —	THRESHOLD SITING SURFACE
— (TSS) —	FUTURE THRESHOLD SITING SURFACE
— DS —	DEPARTURE SURFACE

REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT

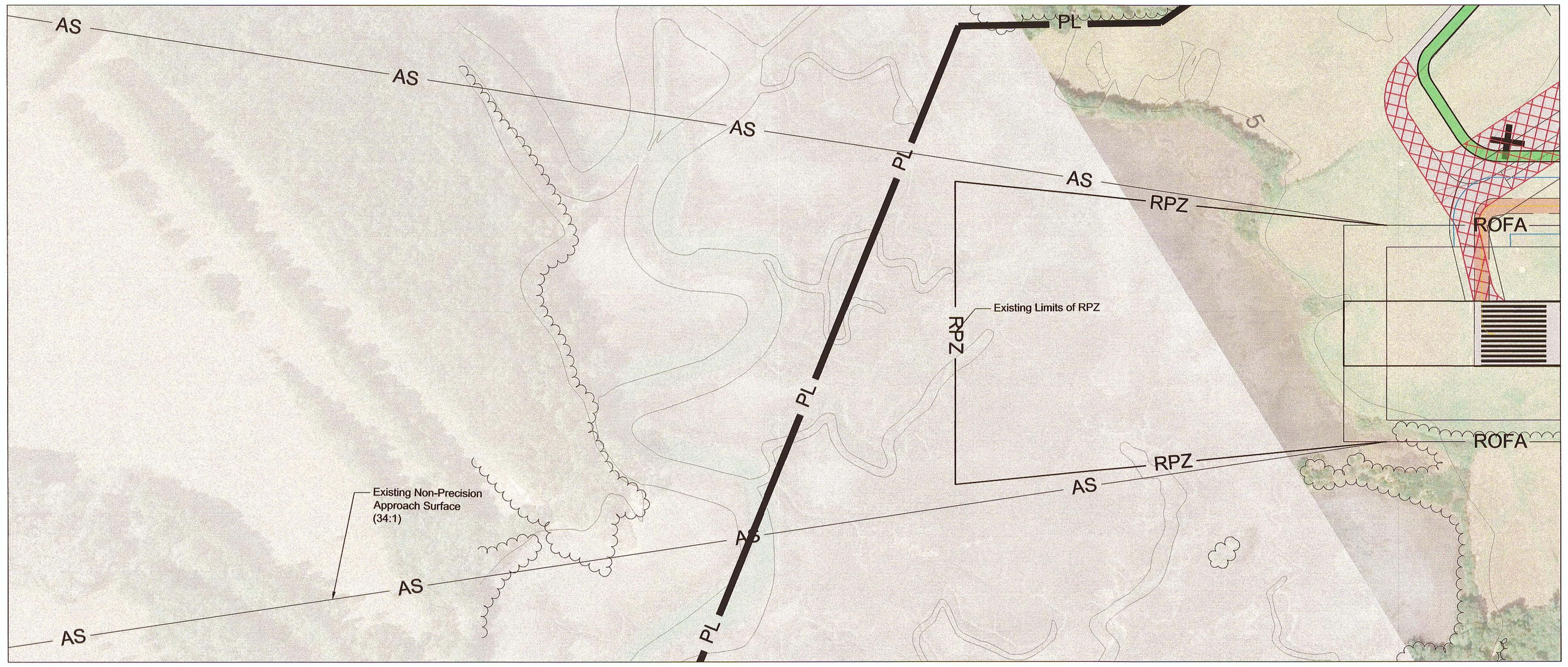
CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

SHEET TITLE

RUNWAY 27 INNER PORTION OF THE APPROACH

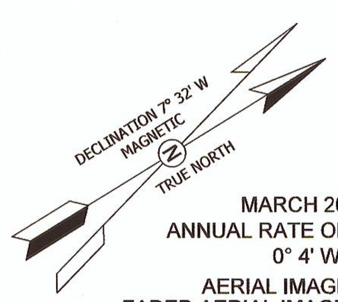
ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.: 063028502
DRAWN: AMM
DESIGN: AMM
CHECKED: JDH
DATE: APRIL 2013



RUNWAY 4 PLAN VIEW

NO IDENTIFIED OBSTRUCTIONS

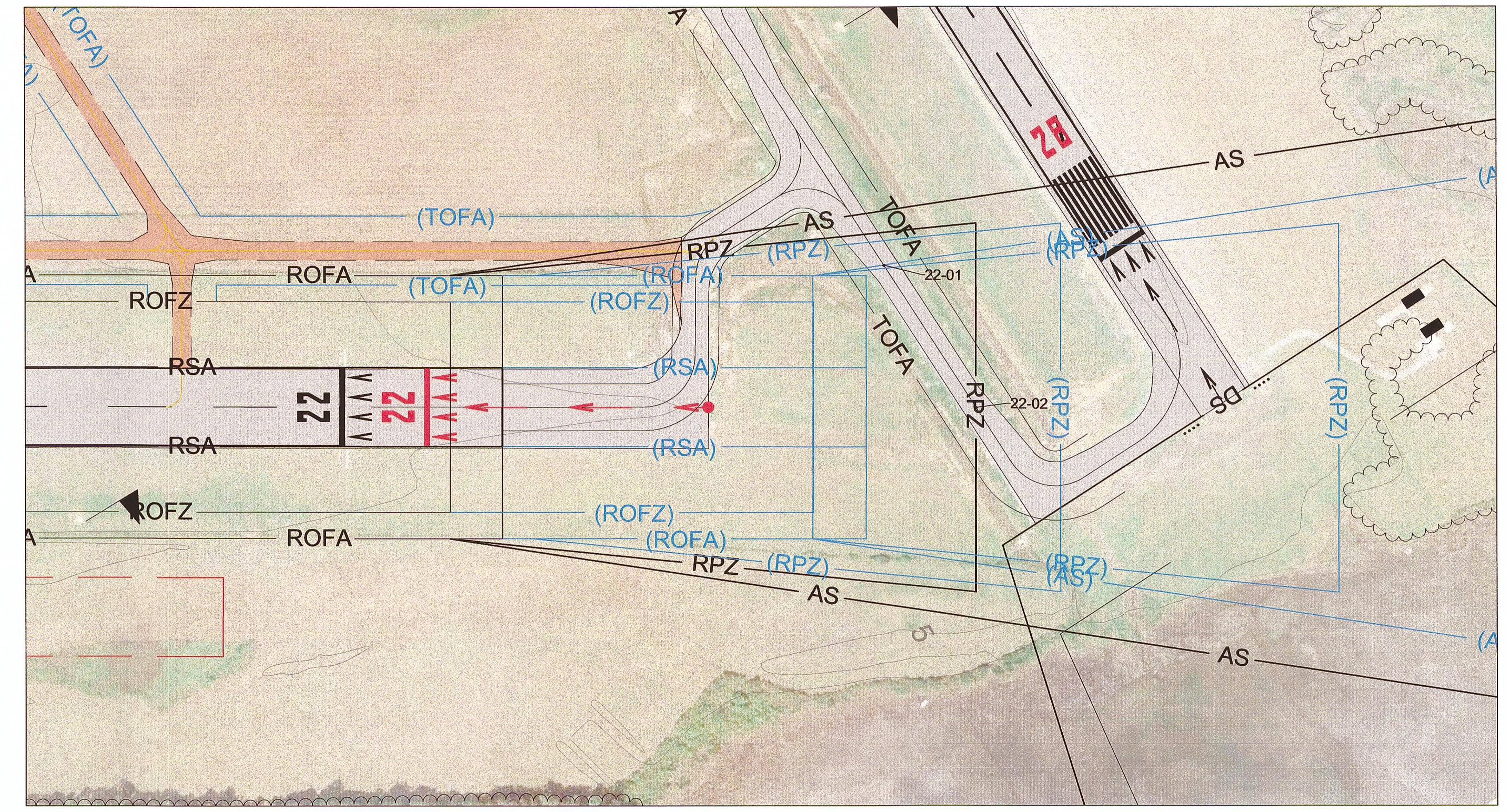


MARCH 2013
ANNUAL RATE OF CHANGE
0° 4' W
AERIAL IMAGE : 2007
FADED AERIAL IMAGE (USGS) : 2011

VERT: 0' 20'

HORIZ: 0 200'

REFERENCE DATUM FOR ALL COORDINATES & ELEVATIONS NAD 83/NAVD 88

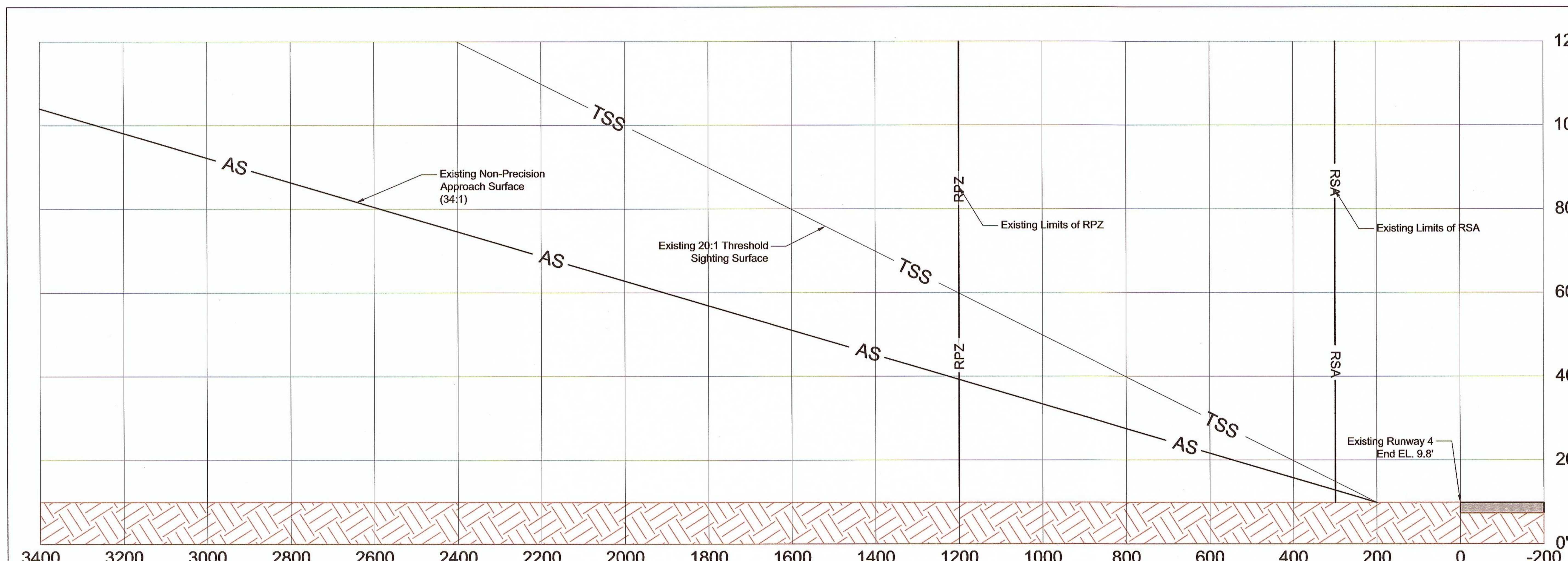


RUNWAY 22 PLAN VIEW

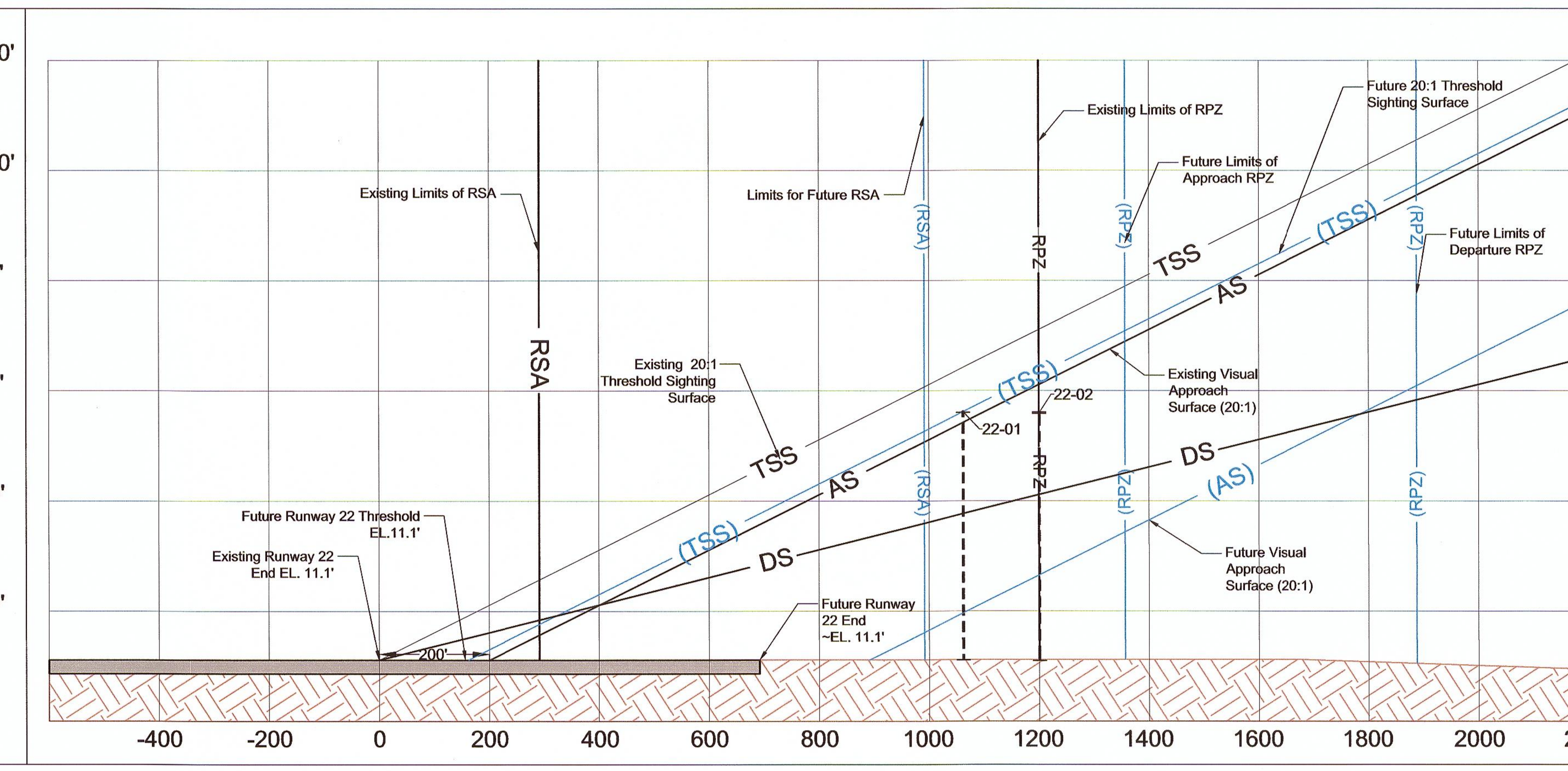
LEGEND	
	TAXIWAYS
	POWER POLES
	TREES
	FENCES
	GROUND PROFILE
—X—X—X—X—	EXISTING FENCE
—— PL ——	EXISTING PROPERTY LINE
—— RSA ——	EXISTING RUNWAY SAFETY AREA
—— RPZ ——	EXISTING RUNWAY PROTECTION ZONE
—— ROFA ——	EXISTING RUNWAY OBJECT FREE AREA
—— AS ——	EXISTING APPROACH SURFACE
—— (RSA) ——	FUTURE RUNWAY SAFETY AREA
—— (RPZ) ——	FUTURE RUNWAY PROTECTION ZONE
—— (AS) ——	FUTURE APPROACH SURFACE
—— TSS ——	THRESHOLD SITING SURFACE
—— (TSS) ——	FUTURE THRESHOLD SITING SURFACE
—— DS ——	DEPARTURE SURFACE

RUNWAY 22-20:1 VISUAL APPROACH OBSTRUCTION DATA											
OBJECT I.D.	OBJECT DESCRIPTION	OBJECT TOP ELEVATION (A.M.S.L.)	EXISTING 20:1 PART 77 SURFACE ELEVATION	EXISTING 20:1 APPROACH SURFACE PENETRATION	EXISTING 20:1 THRESHOLD SITING SURFACE ELEVATION	EXISTING 20:1 THRESHOLD SITING PENETRATION	FUTURE 20:1 PART 77 SURFACE ELEVATION	FUTURE 20:1 APPROACH SURFACE PENETRATION	FUTURE 20:1 THRESHOLD SITING SURFACE ELEVATION	FUTURE 20:1 THRESHOLD SITING PENETRATION	PROPOSED DISPOSTION
22-01	Taxiway A	56	54.22	1.78	64.22	-8.22	19.61	36.39	56.14	-0.14	APPLY TSS
22-02	Taxiway A	56	61.13	-5.13	71.13	-15.13	26.52	29.48	63.05	-7.05	APPLY TSS

RUNWAY 4 PROFILE VIEW



RUNWAY 22 PROFILE VIEW



REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT

CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

SHEET TITLE

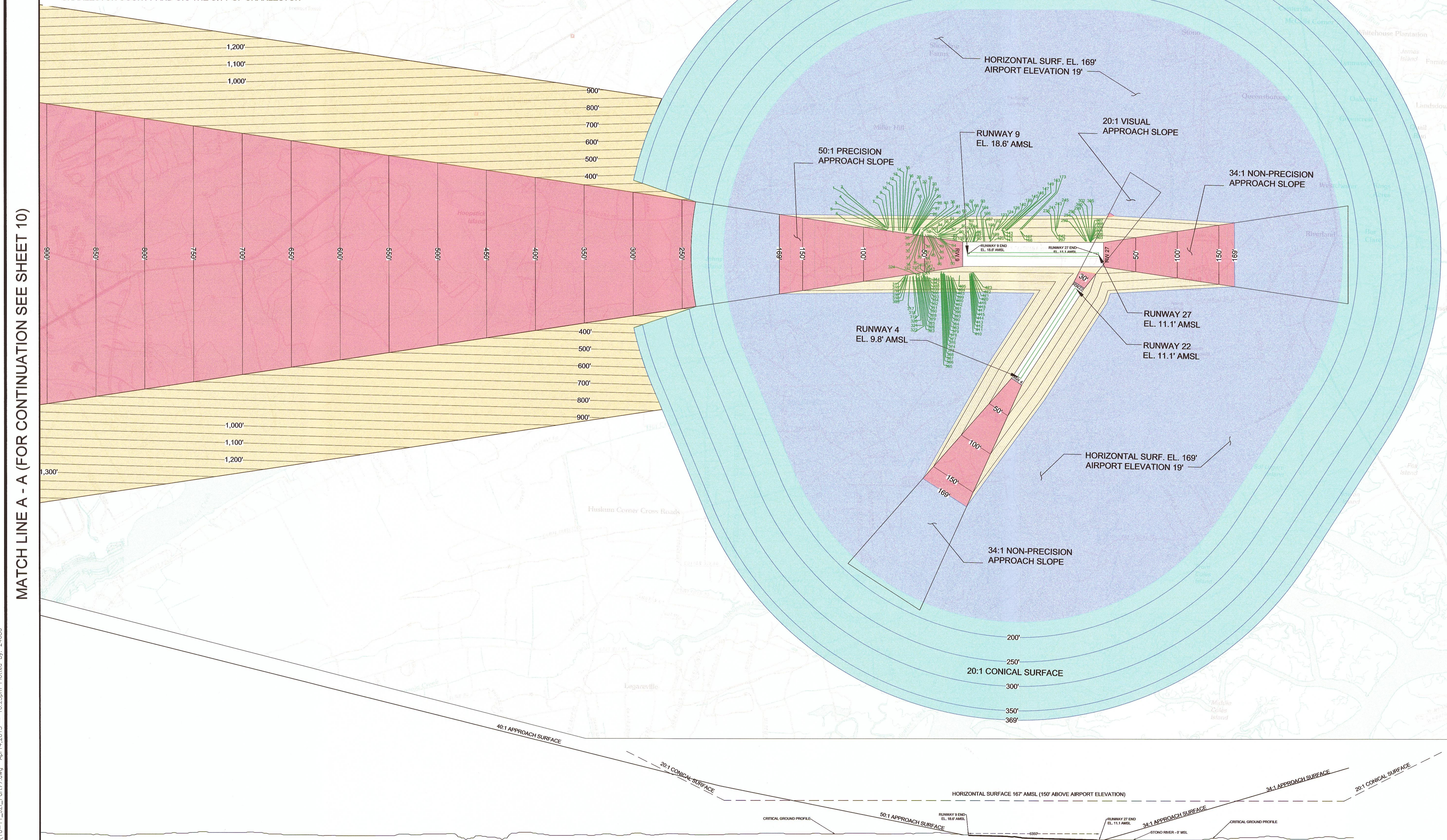
RUNWAY 4-22 INNER PORTION OF THE APPROACH

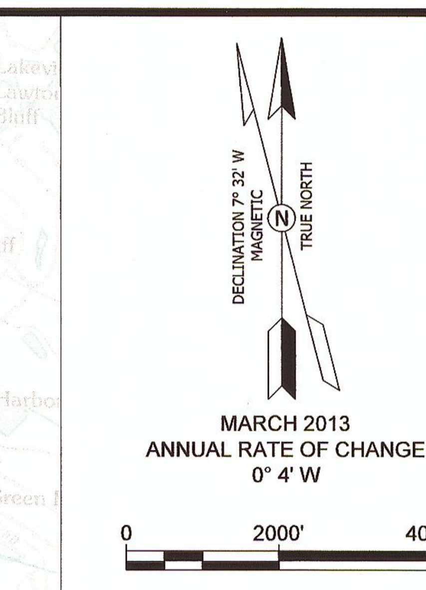
ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.:	063028502
DRAWN:	AMM
DESIGN:	AMM
CHECKED:	JDH
DATE:	APRIL 2013

NOTES:

1. OBJECT LOCATIONS ARE BASED OFF OF THE NOAA PUBLISHED OBSTRUCTION SURVEY MAP. SEE SHEET 11 FOR OBSTRUCTION TABLES.
2. ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL IN FEET.
3. REFER TO SHEETS 7 AND 8 FOR DETAIL ON OBSTRUCTIONS IN THE INNER PORTION OF THE APPROACH
4. NO HEIGHT RESTRICTION ZONING IS IN PLACE WITH CHARLESTON COUNTY AND OR/ THE CITY OF CHARLESTON





Legend

Description	Item
Approach Surface	
Transitional Surface	
Horizontal Surface	
Conical Surface	
Obstruction	

REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT

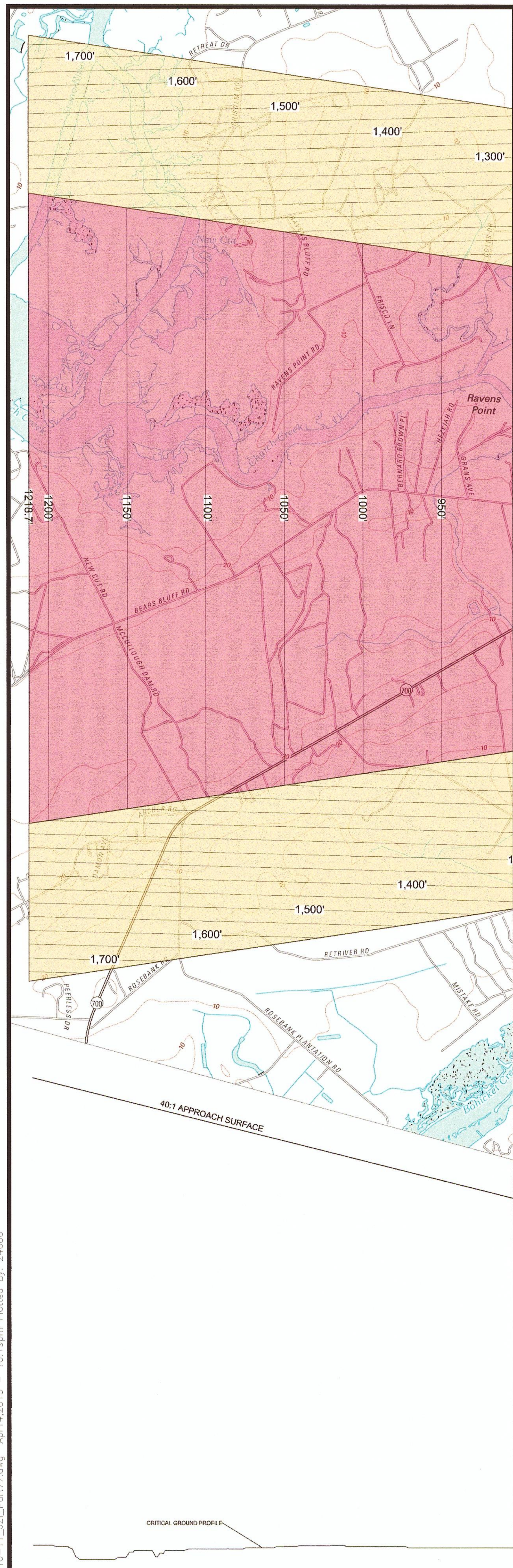
CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

SHEET TITLE

AIRSPACE PLAN - PART 77

ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.:	063028502
DRAWN:	AMM
DESIGN:	AMM
CHECKED:	JDH
DATE:	APRIL 2013



MATCH LINE A - A (FOR CONTINUATION SEE SHEET 10)

PART 77 - OBSTRUCTION TABLE - SHEET 10

OBJECT I.D.	OBJECT DESCRIPTION	OBJECT TOP ELEVATION (A.M.S.L.)	PART 77 ELEV. (FT. AMSL)	PENETRATION
1	TREE	109.66	107.00	2.66
2	TREE	110.59	105.00	5.59
3	TREE	108.67	96.00	12.67
4	TREE	112.31	100.00	12.31
5	TREE	102.18	84.00	18.18
6	TREE	105.69	83.00	22.69
7	TREE	108.21	89.00	19.21
8	TREE	102.78	94.00	8.78
9	TREE	112.31	110.00	2.31
10	TREE	95.64	76.00	19.64
11	TREE	98.95	82.00	16.95
12	TREE	100.67	81.00	19.67
13	TREE	95.11	78.00	17.11
14	TREE	95.9	95.00	0.9
15	TREE	89.55	79.00	10.55
16	TREE	89.15	68.00	21.15
17	TREE	93.13	73.00	20.13
18	TREE	94.31	73.00	21.31
19	TREE	88.56	84.00	4.56
20	TREE	92.33	87.00	5.33
21	TREE	90.82	72.00	18.82
22	TREE	90.08	84.00	6.08
23	TREE	91.6	72.00	19.6
24	TREE	90.26	65.00	25.26
25	TREE	91.67	64.00	27.67
26	TREE	86.31	49.00	37.31
27	TREE	77.62	62.00	15.62
28	TREE	88.02	74.00	14.02
29	TREE	85.76	72.00	13.76
30	TREE	82.04	62.00	20.04
31	TREE	76.33	67.00	9.33
32	TREE	89.34	84.00	5.34
33	TREE	96.65	94.00	2.65
34	TREE	84.7	61.00	23.7
35	TREE	103.89	75.00	28.89
36	TREE	97.71	89.00	8.71
37	TREE	105.85	64.00	41.85
38	TREE	107.21	64.00	43.21
39	TREE	108.31	76.00	32.31
40	TREE	110.53	78.00	32.53
41	TREE	113.1	84.00	29.1
42	TREE	115.84	84.00	31.84
43	TREE	109.73	99.00	10.73
44	TREE	94.72	49.00	45.72
45	TREE	89.01	49.00	40.01
46	TREE	89.94	49.00	40.94
47	TREE	89.41	57.00	32.41
48	TREE	91.14	55.00	36.14
49	TREE	83.83	52.00	31.83
50	TREE	88.02	54.00	34.02
51	TREE	85.43	49.00	36.43
52	TREE	66.9	58.00	8.9
53	TREE	89.81	73.00	16.81
54	TREE	88.91	69.00	19.91
55	TREE	85.77	48.00	37.77
56	TREE	88.35	48.00	40.35
57	TREE	77.52	62.00	15.52
58	TREE	89.74	69.00	20.74
59	TREE	81.31	55.00	26.31
60	TREE	80.28	54.00	26.28
61	TREE	75	73.00	2
62	TREE	80.31	37.00	43.31
63	TREE	79.05	66.00	13.05
64	TREE	72.87	42.00	30.87
65	TREE	68.76	37.00	31.76
66	TREE	90.74	90.00	0.74
67	TREE	93.42	93.00	0.42
68	TREE	89.81	88.00	1.81
69	TREE	98.71	94.00	4.71
70	TREE	23.97	18.00	5.97
71	TREE	21.68	20.00	1.68
72	TREE	22.89	19.00	3.89
73	TREE	25.51	18.00	7.51
74	TREE	19	18.00	1
75	TREE	23.16	18.00	5.16
76	TREE	19.8	19.00	0.8
77	TREE	22.09	18.00	4.09
78	TREE	22.56	18.00	4.56
79	TREE	21.82	20.00	1.82
80	TREE	27.93	18.00	9.93
81	TREE	27.6	18.00	9.6
82	TREE	22.83	18.00	4.83
83	TREE	19.87	18.00	1.87
84	TREE	23.43	19.00	4.43
85	TREE	22.29	18.00	4.29
86	TREE	25.38	19.00	6.38
87	TREE	25.18	20.00	5.18
88	TREE	23.03	18.00	5.03
89	TREE	21.48	18.00	3.48
90	TREE	22.22	21.00	1.22

PART 77 - OBSTRUCTION TABLE - SHEET 10

OBJECT I.D.	OBJECT DESCRIPTION	OBJECT TOP ELEVATION (A.M.S.L.)	PART 77 ELEV. (FT. AMSL)	PENETRATION
91	TREE	22.42	18.00	4.42
92	TREE	23.77	18.00	5.77
93	TREE	95.38	95.00	0.38
94	TREE	25.31	18.00	7.31
95	TREE	19	18.00	1
96	TREE	20.61	18.00	2.61
97	TREE	25.72	18.00	7.72
98	TREE	23.83	18.00	5.83
99	TREE	21.95	18.00	3.95
100	TREE	24.57	18.00	6.57
101	TREE	23.43	18.00	5.43
102	TREE	25.11	18.00	7.11
103	TREE	25.72	18.00	7.72
104	TREE	26.46	22.00	4.46
105	TREE	22.56	18.00	4.56
106	TREE	24.04	21.00	3.04
107	TREE	36.67	35.00	1.67
108	TREE	35.73	34.00	1.73
109	TREE	32.77	20.00	12.77
110	TREE	35.73	24.00	11.73
111	TREE	22.09	18.00	4.09
112	TREE	23.16	18.00	5.16
113	TREE	21.08	21.00	0.08
114	TREE	26.25	18.00	8.25
115	TREE	26.12	18.00	8.12
116	TREE	32.84	18.00	14.84
117	TREE	28.4	18.00	10.4
118	TREE	21.21	18.00	3.21
119	TREE	22.56	18.00	4.56
120	TREE	31.16	28.00	3.16
121	TREE	19.94	18.00	1.94
122	TREE	21.21	18.00	3.21
123	TREE	87	85.00	2
124	TREE	89.69	84.00	5.69
125	TREE	20.14	18.00	2.14
126	TREE	91.55	87.00	4.55
127	ILS	58.74	17.00	41.74
128	NAV	17.05	17.00	0.05
129	NAV	17.05	17.00	0.05
130	NAV	17.18	17.00	0.18
131	BLDG	23.26	17.00	6.26
132	BLDG	23.26	17.00	6.26
133	BLDG	23.26	17.00	6.26
134	NAV	17.22	17.00	0.22
135	BLDG	23.47	17.00	6.47
136	BLDG	23.26	17.00	6.26
137	BLDG	23.26	17.00	6.26
138	SIGN	18.27	17.00	1.27
139	TREE	94.59	84.00	10.59
140	TREE	97.37	94.00	3.37
141	TREE	93.76	86.00	7.76
142	TREE	97.9	87.00	10.9
143	TREE	89.69	84.00	5.69
144	TREE	82.28	132.00	-49.72
145	TREE	96.84	92.00	4.84
146	TREE	92.47	85.00	7.47
147	TREE	88.88	85.00	3.88
148	TREE	86.12	123.00	-36.88
149	TREE	87.7	84.00	3.7
150	TREE	89.29	132.00	-42.71
151	TREE	94.06	122.00	-27.94
152	TREE	91.68	130.00	-38.32
153	TREE	91.94	129.00	-37.06
154	TREE	97.67	124.00	-26.33
155	TREE	94.85	124.00	-29.15
156	TREE	94.36	120.00	-25.64
157	TREE	92.83	120.00	-27.17
158	GRD	15.74	15.00	0.74
159	GRD	16.01	15.00	1.01
160	TREE	86.26	126.00	-39.74
161	GRD	16.47	16.00	0.47
162	GRD	16.54	16.00	0.54
163	TREE	91.83	88.00	3.83
164	GRD	15.94	15.00	0.94
165	GRD	15.48	15.00	0.48
166	TREE	90.64	81.00	9.64
167	TREE	90.39	81.00	9.39
168	GRD	15.14	15.00	0.14
169	TREE	92.76	81.00	11.76
170	GRD	15.48	15.00	0.48
171	GRD	15.74	15.00	0.74
172	TREE	93.83	115.00	-21.17
173	TREE	91.7	90.00	1.7
174	TREE	90.77	123.00	-32.23
175	TREE	90.09	121.00	-30.91
176	TREE	94.36	120.00	-25.64
177	TREE	15.39	15.00	0.39
178	TREE	15.72	15.00	0.72
179	TREE	15.26	15.00	0.26
180	TREE	18.25	15.00	3.25

PART 77 - OBSTRUCTION TABLE - SHEET 10

OBJECT I.D.	OBJECT DESCRIPTION	OBJECT TOP ELEVATION (A.M.S.L.)	PART 77 ELEV. (FT. AMSL)	PENETRATION
181	TREE	16.45	15.00	1.45
182	TREE	17.65	15.00	2.65
183	TREE	15.72	15.00	0.72
184	TREE	17.02	15.00	2.02
185	TREE	16.82	15.00	1.82
186	TREE	16.19	15.00	1.19
187	TREE	15.76	15.00	0.76
188	TREE	15.56	15.00	0.56
189	TREE	14.77	15.00	-0.23
190	TREE	76.7	118.00	-41.3
191	TREE	82.72	116.00	-33.28
192	TREE	82.54	116.00	-33.46
193	TREE	87.97	123.00	-35.03
194	TREE	95.51	121.00	-25.49
195	TREE	91.67	121.00	-29.33
196	TREE	14.9	14.00	0.9
197	TREE	16.29	14.00	2.29
198	TREE	16.55	14.00	2.55
199	TREE	75.54	121.00	-45.46
200	TREE	14.97	14.00	0.97
201	TREE	77.21	112.00	-34.79
202	TREE	14.9	14.00	0.9
203	TREE	16.69	14.00	2.69
204	TREE	15.3	14.00	1.3
205	TREE	13.71	14.00	-0.29
206	TREE	14.7	14.00	0.7
207	TREE	14.7	14.00	0.7
208	TREE	14.7	14.00	0.7
209	TREE	15.3	14.00	1.3
210	TREE	15.56	14.00	1.56
211	TREE	80.43	116.00	-35.57
212	TREE	16.42	14.00	2.42
213	TREE	15.03	14.00	1.03
214	TREE	14.9	14.00	0.9
215	TREE	17.15	14.00	3.15
216	TREE	15.63	14.00	1.63
217	TREE	18.41	14.00	4.41
218	TREE	18.27	14.00	4.27
219	TREE	20.79	14.00	6.79
220	TREE	16.69	14.00	2.69
221	TREE	17.22	14.00	3.22
222	TREE	77.26	117.00	-39.74
223	TREE	20.92	14.00	6.92
224	TREE	18.8	14.00	4.8
225	TREE	22.24	14.00	8.24
226	TREE	20.26	14.00	6.26
227	TREE	20.99	14.00	6.99
228	TREE	70.91	115.00	-44.09
229	TREE	19.13	14.00	5.13
230	TREE	20.66	15.00	5.66
231	TREE	68.39	107.00	-38.61
232	TREE	69.05	116.00	-46.95
233	MISC-PNT	13.84	14.00	-0.16
234	TREE	75.1	120.00	-44.9
235	TREE	75.23	115.00	-39.77
236	TREE	83.56	82.00	1.56
237	TREE	81.67	81.00	0.67
238	TREE	90.18	122.00	-31.82
239	TREE	88.81	121.00	-32.19
240	TREE	88.86	111.00	-22.14
241	TREE	85.42	81.00	4.42
242	TREE	84.99	80.00	4.99
243	TREE	83.99	81.00	2.99
244	TREE	83.74	113.00	-29.26
245	TREE	95.74	95.00	0.74
246	TREE	99.57	115.00	-15.43
247	TREE	100.63	117.00	-16.37
248	TREE	98.86	117.00	-18.14
249	TREE	94.12	127.00	-32.88
250	TREE	96.27	127.00	-30.73
251	TREE	16.29	13.00	3.29
252	TREE	17.94	13.00	4.94
253	TREE	19.99	13.00	6.99
254	TREE	16.49	13.00	3.49
255	TREE	88.24	117.00	-28.76
256	TREE	19.33	13.00	6.33
257	TREE	18.21	13.00	5.21
258	TREE	18.94	13.00	5.94
259	TREE	20.99	13.00	7.99
260	TREE	17.02	13.00	4.02
261	TREE	16.95	13.00	3.95
262	TREE	19.73	13.00	6.73
263	TREE	20.06	13.00	7.06
264	TREE	22.51	13.00	9.51
265	TREE	76.6	115.00	-38.4
266	TREE	19.13	13.00	6.13
267	TREE	19.2	13.00	6.2
268	TREE	22.51	13.00	9.51
269	TREE	82.11	121.00	-38.89
270	TREE	16.09	13.00	3.09

PART 77 - OBSTRUCTION TABLE - SHEET 10

OBJECT I.D.	OBJECT DESCRIPTION	OBJECT TOP ELEVATION (A.M.S.L.)	PART 77 ELEV. (FT. AMSL)	PENETRATION
271	TREE	21.52	13.00	8.52
272	TREE	21.52	13.00	8.52
273	TREE	17.88	13.00	4.88
274	TREE	23.57	13.00	10.57
275	TREE	21.12	13.00	8.12
276	TREE	77.61	116.00	-38.39
277	TREE	25.29	13.00	12.29
278	TREE	23.1	13.00	10.1
279	TREE	22.31	13.00	9.31
280	TREE	18.94	13.00	5.94
281	TREE	21.32	13.00	8.32
282	TREE	20.52	13.00	7.52
283	TREE	71	120.00	-49
284	TREE	16.55	13.00	3.55
285	TREE	16.16	13.00	3.16
286	TREE	74.7	108.00	-33.3
287	TREE	69.81	110.00	-40.19
288	TREE	31.17	81.00	-49.83
289	TREE	41.03	80.00	-38.97
290	TREE	43.61	81.00	-37.39
291	TREE	63.49	82.00	-18.51
292	TREE	65.11	82.00	-16.89
293	TREE	22.26	18.00	4.26
294	TREE	23.32	18.00	5.32
295	TREE	53.07	80.00	-26.93
296	GRD	20.21	18.00	2.21
297	TREE	37.46	81.00	-43.54
298	TREE	60.48	83.00	-22.52
299	GRD	22.34	18.00	4.34
300	TREE	24.63	18.00	6.63
301	TREE	36.8	83.00	-46.2
302	TREE	15.56	14.00	1.56
303	TREE	23.35	15.00	8.35
304	GRD	17.37	16.00	1.37
305	TREE	24.23	20.00	4.23
306	TREE	14.48	13.00	1.48
307	TREE	24.02	19.00	5.02
308	TREE	22.34	16.00	6.34
309	TREE	15.76	14.00	1.76
310	TREE	69.92	115.00	-45.08
311	TREE	85.93	75.00	10.93
312	TREE	84.13	82.00	2.13
313	TREE	87.32	66.00	21.32
314	TREE	88.8	66.00	22.8
315	TREE	87.93	77.00	10.93
316	TREE	86.02	67.00	19.02
317	TREE	82.27	75.00	7.27
318	TREE	83	76.00	7
319	TREE	81	70.00	11
320	TREE	86.86	74.00	12.86
321	TREE	83.4	64.00	19.4
322	TREE	87.2	84.00	3.2
323	TREE	90.73	78.00	12.73
324	TREE	92.19	67.00	25.19
325	TREE	88.39	63.00	25.39
326	TREE	94.33	84.00	10.33
327	TREE	80.07	61.00	19.07
328	TREE	82.07	71.00	11.07
329	TREE	92.79	92.00	0.79
330	TREE	87.46	82.00	5.46
331	TREE	80.13	63.00	17.13
332	TREE	75.54	49.00	26.54
333	TREE	80.8	64.00	16.8
334	TREE	81.4	73.00	8.4
335	TREE	68.61	63.00	5.61
336	TREE	83.53	77.00	6.53
337	TREE	75.14	56.00	19.14
338	TREE	79.74	71.00	8.74
339	TREE	82.2	81.00	1.2
340	TREE	86.86	63.00	23.86
341	TREE	65.27	54.00	11.27
342	TREE	92.33	82.00	10.33
343	TREE	81.89	62.00	19.89
344	TREE	90.19	83.00	7.19
345	TREE	88.73	69.00	19.73
346	TREE	82.07	76.00	6.07
347	TREE	74.87	56.00	18.87
348	TREE	75.9	69.00	6.9
349	TREE	87.46	52.00	35.46
350	TREE	80.6	60.00	20.6
351	TREE	75.8	63.00	12.8
352	TREE	76.53	52.00	24.53
353	TREE	57.34	42.00	15.34
354	TREE	72.14	48.00	24.14
355	TREE	65.47	58.00	7.47
356	TREE	77.07	47.00	30.07
357	TREE	67.96	61.00	6.96
358	TREE	78.66	44.00	34.66
359	TREE	83.44	50.00	33.44
360	TREE	82.73	49.00	33.73

PART 77 - OBSTRUCTION TABLE - SHEET 10

OBJECT I.D.	OBJECT DESCRIPTION	OBJECT TOP ELEVATION (A.M.S.L.)	PART 77 ELEV. (FT. AMSL)	PENETRATION
361	TREE	82.23	55.00	27.23
362	TREE	70.99	43.00	27.99
364	TELEGRAPHPY LINE	62.93	49.00	13.93
365	TELEGRAPHPY LINE	62.93	49.00	13.93
366	TREE	82.8	56.00	26.8
367	TREE	81.67	46.00	35.67
368	TREE	77.87	49.00	28.87
369	TREE	80.53	51.00	29.53
370	POLE	65.49	64.00	1.49
371	TELEGRAPHPY LINE	65.49	64.00	1.49
372	TELEGRAPHPY LINE	65.49	64.00	1.49
373	TELEGRAPHPY LINE	65.49	64.00	1.49
374	TREE	80	58.00	22
375	TREE	62.94	42.00	20.94
376	TREE	86.45	53.00	33.45
377	TREE	87.33	53.00	34.33
378	TREE	83.32	63.00	20.32
379	TREE	85.2	63.00	22.2
380	TREE	78.93	55.00	23.93
381	TREE	70.27	40.00	30.27
382	TREE	58.84	49.00	9.84
383	TREE	90.6	71.00	19.6
384	TREE	91.78	71.00	20.78
385	TREE	65.4	55.00	10.4
386	TREE	72.2	40.00	32.2
387	TREE	67.76	48.00	19.76
388	TREE	70.4	44.00	26.4
389	TREE	72.34	49.00	23.34
390	TREE	84.26	70.00	14.26
391	TREE	74.87	34.00	40.87
392	TREE	76.47	34.00	42.47
393	TREE	91.59	79.00	12.59
394	TREE	86.86	75.00	11.86
395	TREE	75.07	47.00	28.07
396	TREE	91.55	79.00	12.55
397	TREE	76.2	65.00	11.2
398	TREE	61.14	60.00	1.14
399	TREE	84.46	73.00	11.46
400	TREE	93.06	86.00	7.06
401	TREE	94.29	91.00	3.29
402	TREE	95.19	91.00	4.19
403	TREE	87.61	83.00	4.61
404	TREE	86.13	83.00	3.13
405	TREE	73.39	71.00	2.39
406	TREE	18.8	18.00	0.8
407	TREE	23.57	18.00	5.57
408	TREE	18.8	18.00	0.8
409	TREE	19.07	18.00	1.07
410	TREE	77.33	49.00	28.33
411	TREE	76.1	49.00	27.1
412	TREE	82.58	75.00	7.58
413	TREE	81.57	56.00	25.57
414	TREE	80.1	56.00	24.1
415	TREE	78.07	70.00	8.07
416	TREE	76.73	55.00	21.73
417	TREE	79.68	64.00	15.68
418	TREE	81.9	57.00	24.9
419	TREE	81.93	57.00	24.93
420	TREE	71.35	63.00	8.35
421	TREE	78	53.00	25
422	TREE	79.21	53.00	26.21
423	TREE	74.11	52.00	22.11
424	OL WSK	24.55	16.00	8.55
425	NAV	22.78	16.00	6.78
426	SIGN	15.29	15.00	0.29
427	TREE	13.51	14.00	-0.49
428	TREE	13.11	14.00	-0.89
429	TREE	20.4	19.00	1.4
430	OL WSK	19.96	12.00	7.96
431	NAV	18.7	12.00	6.7
432	NAV	12.66	12.00	0.66
433	NAV	12.52	12.00	0.52
434	NAV	12.45	12.00	0.45
435	NAV	12.66	12.00	0.66

REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT
CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

SHEET TITLE
PART 77 - AIRSPACE OBSTRUCTION DATA

ATKINS
482 South Keller Road
Orlando, Florida 32810
Tel. (407) 647-7275
Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.: 063028502
DRAWN: AMM
DESIGN: AMM
CHECKED: JDH
DATE: APRIL 2013

LEGEND

—PL— Existing Airport Property Line

—65dnl— Existing 65dnl Noise Contour

ON AIRPORT LAND USE

- Airfield
- Aviation Use
- Non-Aviation
- Airfield Support
- Cultural Resource
- Green Space
- Deed Restricted Wetland

CH1972 Cultural Resource Area ID

NOTE: CULTURAL RESOURCE AREA ID CORRESPONDS WITH RESOURCES OUTLINED IN THE 2011 S&ME REPORT TITLED "ASSESSMENT OF ARCHAEOLOGICAL SITES AT JOHNS ISLAND EXECUTIVE AIRPORT CHARLESTON COUNTY, SOUTH CAROLINA".

OFF AIRPORT LAND USE

City of Charleston Land Use

- C - Commercial
- LI - Light Industrial
- PUD - Planned Unit Development
- C (Landmark) -
- RR-1 - Residential
- No Land Use Identified

Charleston County Land Use

- AG-8 - Agricultural Preservation
- OG - General Office
- R4 - Residential (Single Family)
- S3 - Special Management D3
- AGR - Agricultural / Residential

NOTE: OFF AIRPORT LAND USE PROVIDED BY THE CITY OF CHARLESTON (2011) & COUNTY OF CHARLESTON.

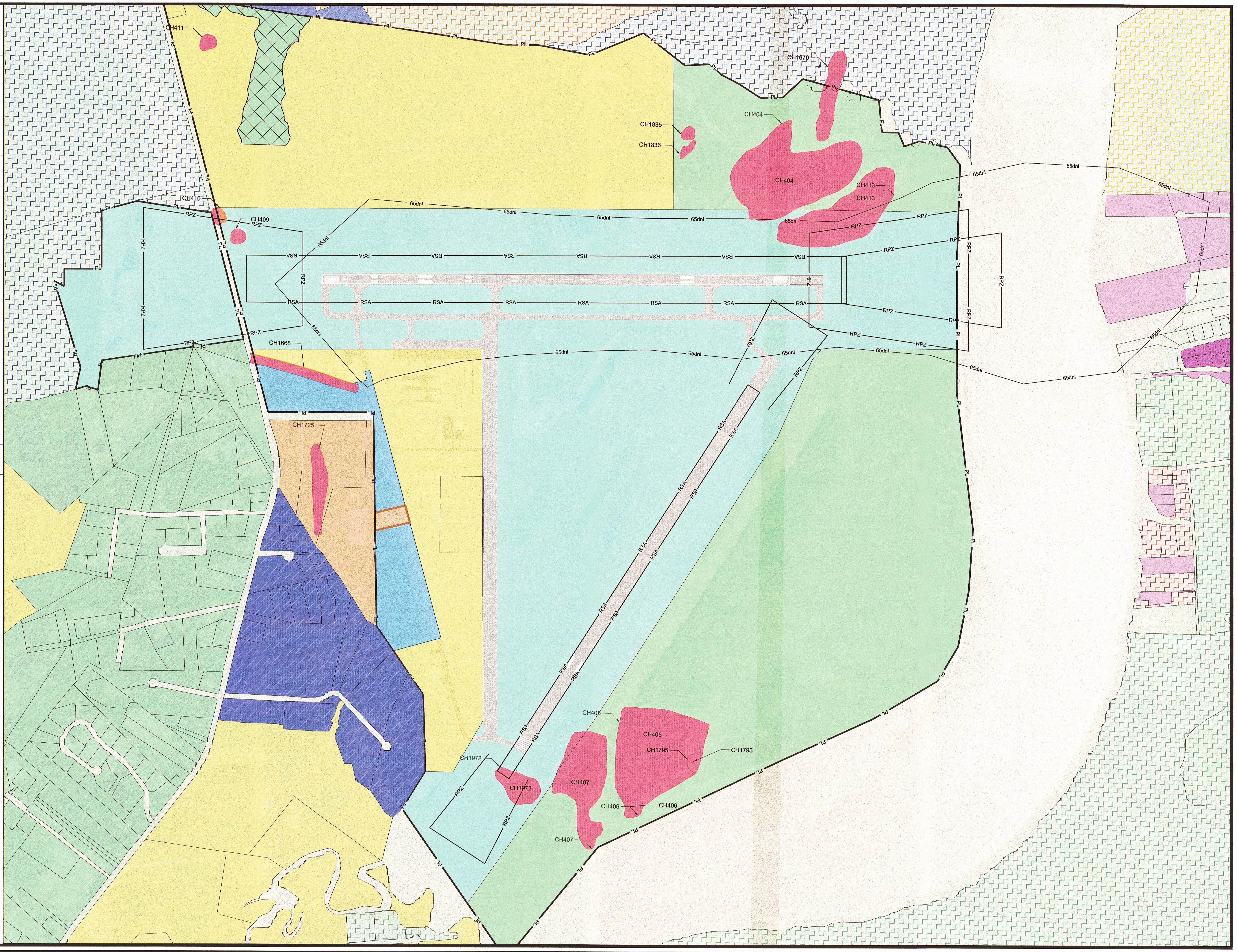
NOTE: NO LOCAL AIRPORT RELATED HEIGHT, HAZARD, AND COMPATIBLE LAND USE ORDINANCES OR ZONING LAWS IN PLACE.

DECLINATION 7° 32' W
MAGNETIC
N
TRUE NORTH

REFERENCE DATUM FOR ALL COORDINATES & ELEVATIONS NAD 83/NAVD 88

0 500' 1000'

MARCH 2013
ANNUAL RATE OF CHANGE
0° 4' W



REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT

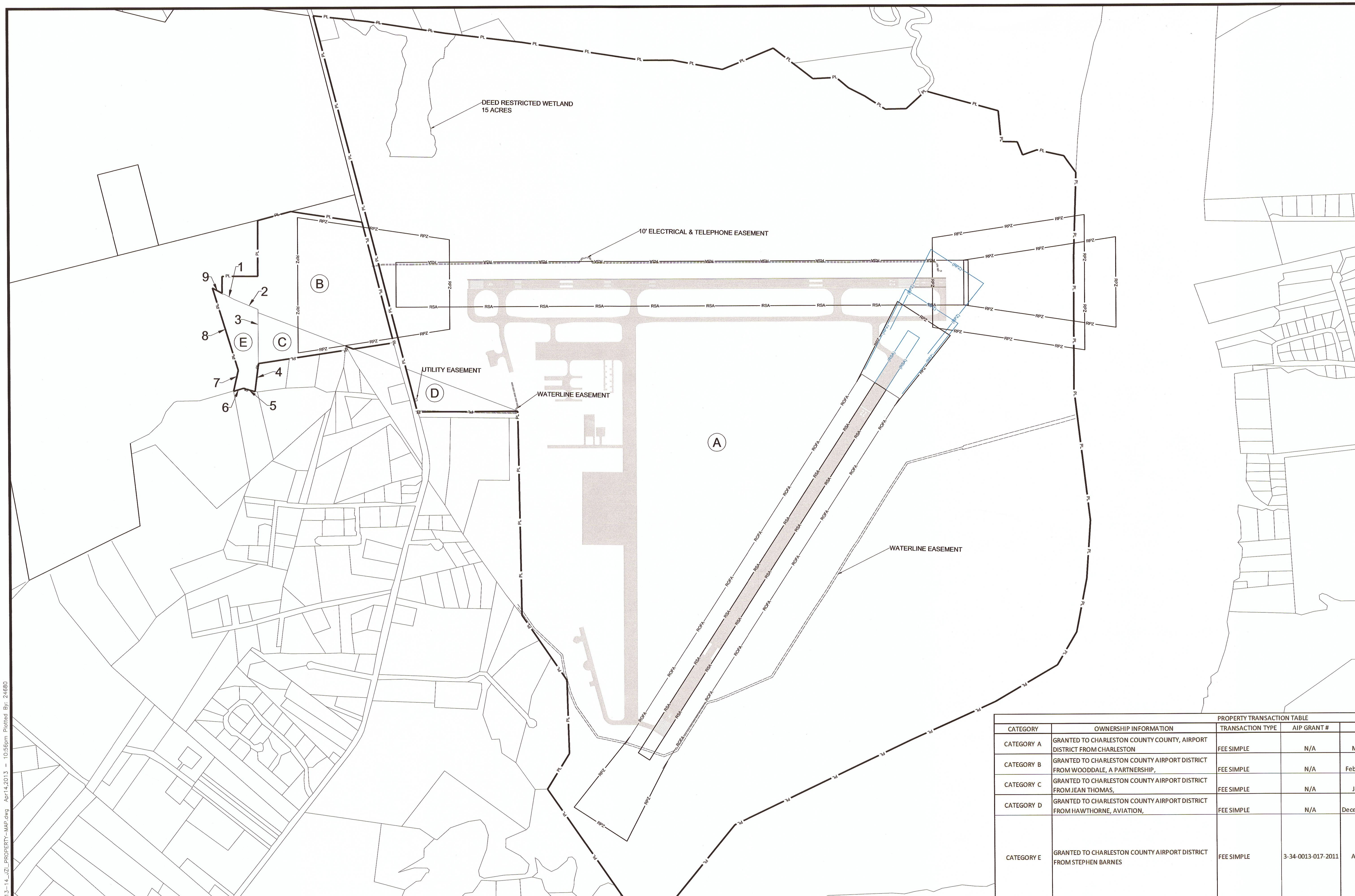
CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

SHEET TITLE

EXISTING AIRPORT LAND USE PLAN

ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.:	063028502
DRAWN:	AMM
DESIGN:	AMM
CHECKED:	JDH
DATE:	APRIL 2013



DECLINATION 7° 32' W
MAGNETIC
TRUE NORTH

REFERENCE DATUM FOR ALL COORDINATES & ELEVATIONS NAD 83/NAVD 88

0 500' 1000'

MARCH 2013
ANNUAL RATE OF CHANGE
0° 4' W

NOTE:
1) RE-SURVEY OF A PLAT OF JOHNS ISLAND AIRPORT PROPERTY BY CALVERT SURVEYING CO., INC. DATED MAY 7, 1973.
2) PLAT OF C, D, G, H FOR THE CHARLESTON EXECUTIVE AIRPORT BY ENWRITE ASSOCIATES, INC., DATED OCT. 2, 1981.

LEGEND

PL	PROPERTY LINE
RSA	RUNWAY SAFETY AREA
RPZ	RUNWAY PROTECTION ZONE
(RSA)	FUTURE RUNWAY SAFETY AREA
(RPZ)	FUTURE RUNWAY PROTECTION ZONE

PROPERTY TRANSACTION TABLE

CATEGORY	OWNERSHIP INFORMATION	TRANSACTION TYPE	AIP GRANT #	DATE	ACREAGE	SEGMENT	METES	BOUNDS
CATEGORY A	GRANTED TO CHARLESTON COUNTY COUNTY, AIRPORT DISTRICT FROM CHARLESTON	FEE SIMPLE	N/A	May 6, 1975	1333	N/A	N/A	N/A
CATEGORY B	GRANTED TO CHARLESTON COUNTY AIRPORT DISTRICT FROM WOODDALE, A PARTNERSHIP,	FEE SIMPLE	N/A	February 1, 1982	41.05	N/A	N/A	N/A
CATEGORY C	GRANTED TO CHARLESTON COUNTY AIRPORT DISTRICT FROM JEAN THOMAS,	FEE SIMPLE	N/A	July 1, 1982	7.28	N/A	N/A	N/A
CATEGORY D	GRANTED TO CHARLESTON COUNTY AIRPORT DISTRICT FROM HAWTHORNE, AVIATION,	FEE SIMPLE	N/A	December 19, 1973	6.8	N/A	N/A	N/A
CATEGORY E	GRANTED TO CHARLESTON COUNTY AIRPORT DISTRICT FROM STEPHEN BARNES	FEE SIMPLE	3-34-0013-017-2011	April 4, 2011	7.37	1	S62°52'03"E	125.55'
						2	S68°29'04"E	289.95'
						3	N01°20'52"W	602.98'
						4	S05°58'15"W	312.81'
						5	S75°38'25"E	136.97'
						6	S71°45'39"W	112.06'
						7	N11°19'30"E	240.42'
						8	N18°28'47"W	961.25'
						9	S62°43'23"E	124.67'

REVISIONS	
DATE	DESCRIPTION

CLIENT

CHARLESTON COUNTY AIRPORT DISTRICT
CHARLESTON COUNTY AVIATION AUTHORITY

PROJECT

CHARLESTON EXECUTIVE AIRPORT
CHARLESTON, SOUTH CAROLINA
AIRPORT LAYOUT PLAN

SHEET TITLE

AIRPORT PROPERTY MAP

ATKINS
482 South Keller Road | Tel. (407) 647-7275
Orlando, Florida 32810 | Fax (407) 806-4500
www.atkinsglobal.com/northamerica

JOB NO.: 063028502
DRAWN: AMM
DESIGN: AMM
CHECKED: JDH
DATE: APRIL 2013