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Airport Layout Plan

AIRPORT LAYOUT PLAN

BRUNSWICK EXECUTIVE AIRPORT, MAINE

MIDCOAST REGIONAL REDEVELOPMENT AUTHORITY
2010

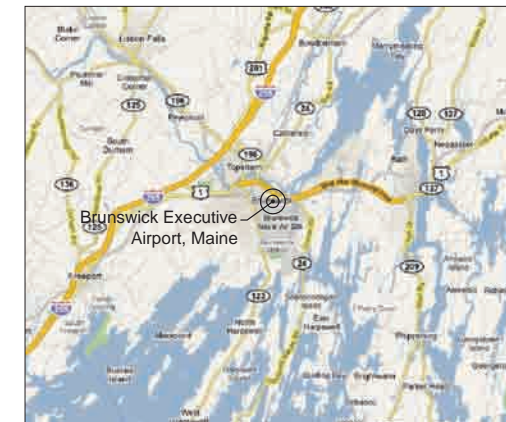
LOCATION MAP



SHEET INDEX

1. COVER SHEET
2. EXISTING AIRPORT LAYOUT PLAN
3. ULTIMATE AIRPORT LAYOUT PLAN
4. TERMINAL AREA PLAN
5. RUNWAY 01R-19L INNER APPROACH SURFACES
6. RUNWAY 01L-19R INNER APPROACH SURFACES
7. PART 77 AIRSPACE SURFACES
8. LAND USE PLAN WITH 2031 NOISE CONTOURS
9. AIRPORT PROPERTY MAP

VICINITY MAP



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AECOM

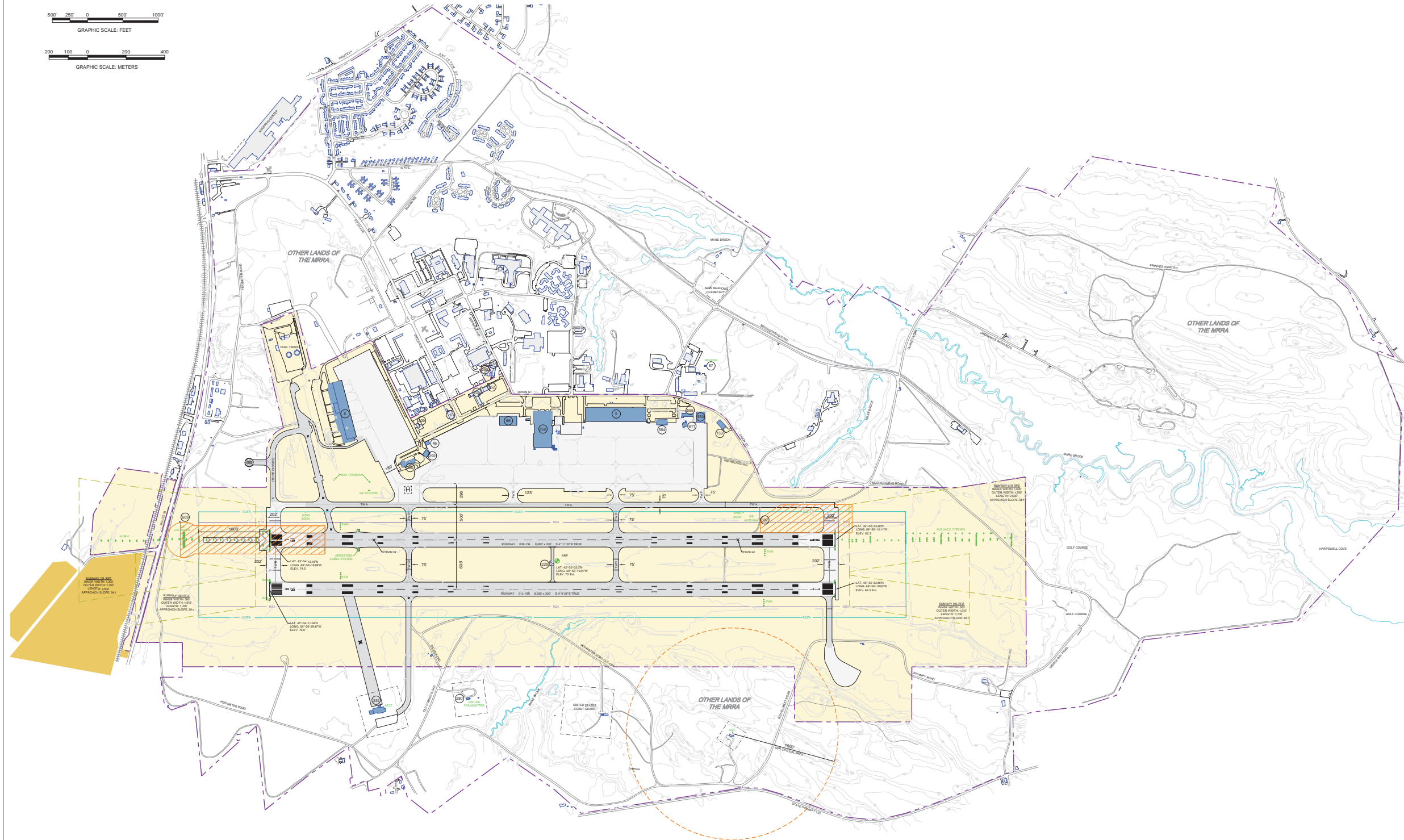
1700 Market Street Suite 1600
Philadelphia, PA 19103
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MAG. DECLINATION 16°10' W (Dec 2009)
Source: NGDC

500' 250' 0 500' 1000'
GRAPHIC SCALE: FEET

200 100 0 200 400
GRAPHIC SCALE: METERS



BUILDINGS			
NO.	FACILITY NAME	NO.	FACILITY NAME
5	HANGAR 5	202	AUTO EQUIP REPAIR SHOP
6	HANGAR 6	203	TRANSFER BUILDING W/SLIP
7	ADMINISTRATIVE SPACE (VACANT)	204	COMPASS ROSE
40	HAZMAT TRANSFER FACILITY	205	ARFF FACILITY
67	AIRPORT ROTATING BEACON TOWER	206	RESERVOR / PUMPHOUSE
86	MECHANICAL SHOP	538	GAS STATION
103	RECYCLING CENTER	603	AIRFIELD SUPPORT BUILDING
200	FBO / TERMINAL BUILDING	604	P3 SUPPORT FACILITY
208	ELECTRIC DISTRIBUTION BLDG/SHELTER	607	SNOWBLOW / VEHICLE STORAGE
226	AUTOMOTIVE EQUIP REPAIR SHOP	608	GRUE SLOPE EQUIPMENT SHELTER
229	GCA TURNTABLE	609	LOCALIZER EQUIPMENT SHELTER
231	AIR TRAFFIC CONTROL TOWER (ATCT)	611	1 ENGINE TEST FACILITY
250	HANGAR 4		

LEGEND	
EXISTING	DESCRIPTION
	RUNWAY CENTERLINE
	RUNWAY SAFETY AREA (RSA)
	RUNWAY OBJECT FREE AREA (ROFA)
	RUNWAY PROTECTION ZONE (RPZ)
	ILS CRITICAL AREA
	PAVEMENT - CONCRETE (PC)
	PAVEMENT - ASPHALT (P)
	AIRPORT REFERENCE POINT
	AIRPORT BUILDINGS
	OTHER BUILDINGS
	AIRPORT BOUNDARY
	OTHER LANDS OF THE MRRRA
	NON MRRRA PROPERTIES
	EXISTING AVIATION EASEMENT
	ROADS
	RAILROAD
	STREAM
	GROUND ELEVATION CONTOURS
	THRESHOLD LIGHTS

Note:
1. Ground contour intervals are 10 feet (shown) based on 2-foot contour intervals (not shown). Topographic mapping provided by the MRRRA.

DATE: 08/09/2010
SCALE: 1" = 500'
DATE: 08/09/2010
SCALE: 1" = 500'

ENGINEER'S SEAL

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Hoyle, Tanner & Associates, Inc.
DESIGNED BY: BAO
CHECKED BY: JDM
CREATED BY: JDM

BRUNSWICK EXECUTIVE AIRPORT
BRUNSWICK, MAINE
EXISTING AIRPORT LAYOUT PLAN

DATE: 08/09/2010
SCALE: 1" = 500'

REVISIONS
NO. BY DATE DESCRIPTION

FILE NO.: 351101
2814-FL001-ALP
DRAWING NO.

SHEET 2 OF 3



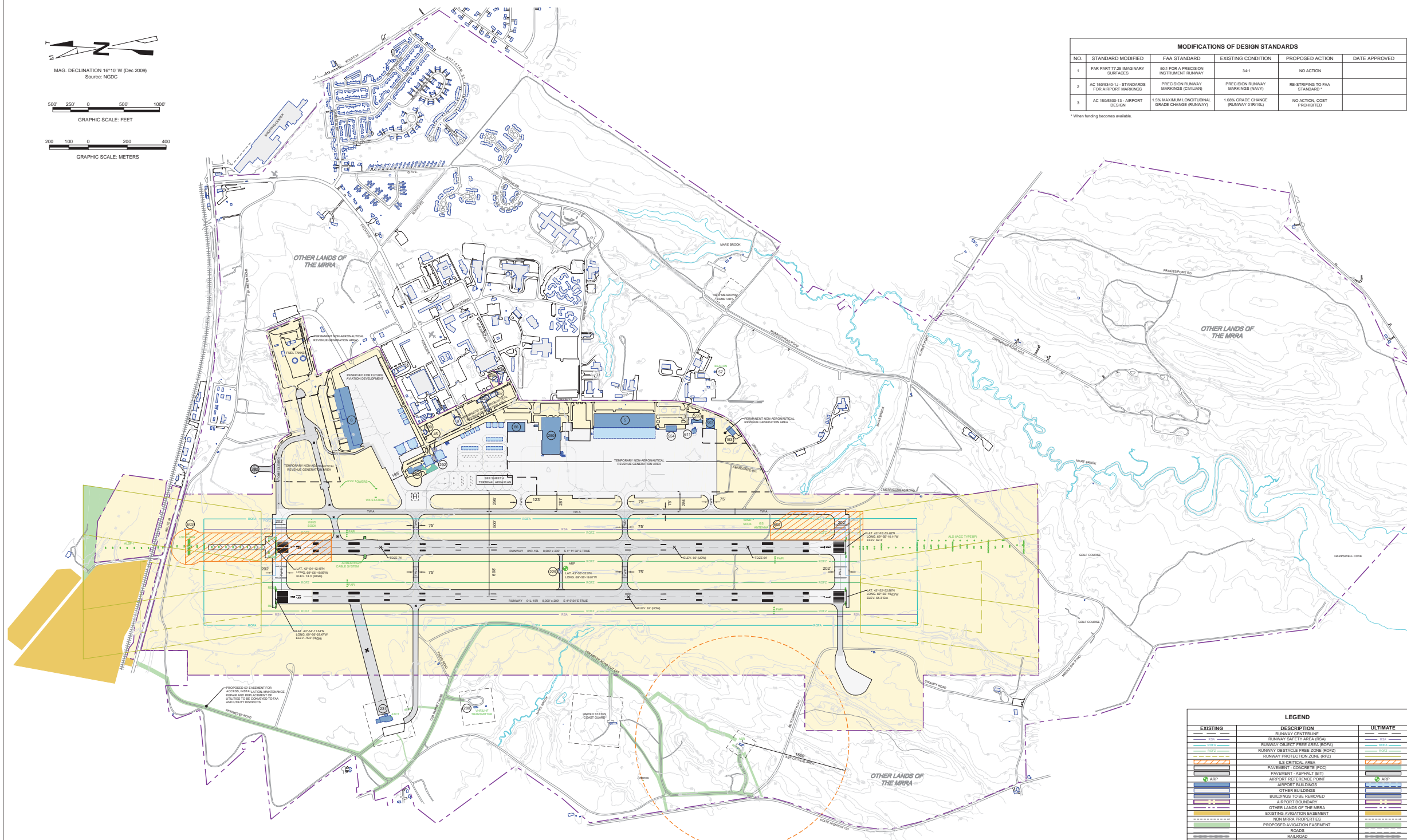
MAG. DECLINATION 16°10' W (Dec 2009)
Source: NGDC

500 250 0 500 1000
GRAPHIC SCALE: FEET

200 100 0 200 400
GRAPHIC SCALE: METERS

MODIFICATIONS OF DESIGN STANDARDS					
NO.	STANDARD MODIFIED	FAA STANDARD	EXISTING CONDITION	PROPOSED ACTION	DATE APPROVED
1	FAA PART 77.30 IMAGINARY SURFACES	34:1 FOR A PRECISION INSTRUMENT RUNWAY	34:1	NO ACTION	
2	AC 150/540-1.1 STANDARDS FOR AIRPORT MARKINGS	PRECISION RUNWAY MARKINGS (CIVILIAN)	PRECISION RUNWAY MARKINGS (NAVY)	RE-STRIP TO FAA STANDARD*	
3	AC 150/5300-13 AIRPORT DESIGN	1.5% MAXIMUM LONGITUDINAL GRADE CHANGE (RUNWAY)	1.68% GRADE CHANGE (RUNWAY) (DTM)	NO ACTION, COST PROHIBITED	

*When funding becomes available.



LEGEND		
EXISTING	DESCRIPTION	ULTIMATE
[Symbol]	RUNWAY CENTERLINE	[Symbol]
[Symbol]	RUNWAY SAFETY AREA (RSA)	[Symbol]
[Symbol]	RUNWAY OBJECT FREE AREA (ROFA)	[Symbol]
[Symbol]	RUNWAY OBSTACLE FREE AREA (ROFZA)	[Symbol]
[Symbol]	RUNWAY PROTECTION ZONE (RPZ)	[Symbol]
[Symbol]	ILS CRITICAL AREA	[Symbol]
[Symbol]	PAVEMENT - CONCRETE (FPC)	[Symbol]
[Symbol]	PAVEMENT - ASPHALT (BT)	[Symbol]
[Symbol]	AIRPORT REFERENCE POINT	[Symbol]
[Symbol]	AIRPORT BUILDINGS	[Symbol]
[Symbol]	OTHER BUILDINGS	[Symbol]
[Symbol]	BUILDINGS TO BE REMOVED	[Symbol]
[Symbol]	AIRPORT BOUNDARY	[Symbol]
[Symbol]	OTHER LANDS OF THE MRRRA	[Symbol]
[Symbol]	EXISTING AVIATION EASEMENT	[Symbol]
[Symbol]	NON MRRRA PROPERTIES	[Symbol]
[Symbol]	PROPOSED AVIATION EASEMENT	[Symbol]
[Symbol]	ROADS	[Symbol]
[Symbol]	RAILROAD	[Symbol]
[Symbol]	STREAM	[Symbol]
[Symbol]	GROUND ELEVATION CONTOURS	[Symbol]
[Symbol]	THRESHOLD LIGHTS	[Symbol]

AIRPORT DATA		
ITEM	EXISTING	ULTIMATE
AIRPORT ELEVATION (MSL)	75	75
AIRPORT REFERENCE POINT (ARP)		
LATITUDE	43° 53' 32" N	43° 53' 32" N
LONGITUDE	69° 59' 10" W	69° 59' 10" W
MEAN MAX TEMPERATURE (JULY)	78.9 F	78.9 F
AIRPORT TERMINAL AREA NAME(S)	ROTARY BEACON	SAFETY
NPAS SERVICE LEVEL	GENERAL AVIATION	SAFETY
STATE SERVICE LEVEL	LEVEL 1	SAFETY
AIRPORT REFERENCE CODE	4-7	4-7
DESIGN AIRCRAFT	B747	B737-800
AIRPORT BOUNDARY (ACRES)	974	974

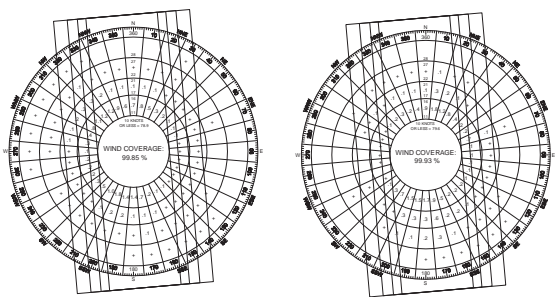
Reference: Horizontal Datum - NAD 83
Vertical Datum - NAVD 88

Note:
1. Ground contour intervals are 10 feet (shown based on 2-foot contour intervals (not shown). Topographic mapping provided by the MRRRA.

ITEM	RUNWAY 01R/19L		RUNWAY 01L/19R	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
RUNWAY LENGTH	8,000	SAME	8,000	8,000
RUNWAY WIDTH	200	150	200	150
SURFACE TYPE	ASPHALT PCL 58 W. C. / W. U	SAME	ASPHALT PCL 58 W. C. / W. U	SAME
PAVEMENT STRENGTH (ksi)				
SINGLE WHEEL	75,000	SAME	75,000	SAME
DUAL WHEEL	200,000	SAME	200,000	SAME
DUAL TANDUM	400,000	SAME	400,000	SAME
OBSTACLE FREE ZONE	NO OPS PENETRATIONS	SAME	NO OPS PENETRATIONS	SAME
TRUCK BEARINGS	5' 4" 13' 32" E	SAME	5' 4" 13' 32" E	SAME
RUNWAY HIGH POINT ELEVATION	74	SAME	75	SAME
LINE OF SIGHT VARIATION	NO	SAME	NO	SAME
EFFECTIVE GRADE (REL)	0.15%	SAME	0.14%	SAME
MAXIMUM GRADE CHANGE	1.68%	SAME	1.1%	SAME
MAXIMUM GRADE	0.97%	SAME	1.50%	SAME
FAA PART 77 CATEGORY	PRECISION INSTRUMENT RUNWAY (PIR)	SAME	VISUAL	PRECISION INSTRUMENT RUNWAY (PIR)
DISPLACED THRESHOLD	N/A	SAME	N/A	SAME
APPROACH SLOPE	34:1	SAME	20:1	34:1
APPROACH MARKING	200 FT / 1/2 MILE	SAME	200 FT / 1/2 MILE	200 FT / 1/2 MILE
VISUAL APPROACH AIDS	ALSF 1 / PAR	SAME	PAR	PAR
INSTRUMENT APPROACH AIDS	PRECISION PVI	SAME	PRECISION PVI	PRECISION PVI
RUNWAY LIGHTING	HR/L / CL / TDZ / REL	SAME	HR/L / REL / PCL	SAME
RUNWAY MARKING	PRECISION (NON-STD)	SAME	PRECISION (NON-STD)	PRECISION (STD)
RUNWAY OBJECT FREE AREA (ROFA)	1,000'	SAME	1,000'	SAME
LENGTH BEYOND RUNWAY END	500'	SAME	500'	SAME
WIDTH	1,000'	SAME	1,000'	SAME
RUNWAY END COORDINATES (NAD 83)	43° 52' 53.479" N 69° 58' 10.115" W	SAME	43° 52' 53.479" N 69° 58' 10.115" W	SAME
LONGITUDE	69° 58' 10.115" W	SAME	69° 58' 10.115" W	SAME
RUNWAY END ELEVATION (MSL)	62.3	SAME	64.7	SAME
DISPLACED THRESHOLD ELEVATION (MSL)	N/A	SAME	N/A	SAME
TOZ ELEVATION (MSL)	64	SAME	79	SAME
RUNWAY PROTECTION ZONE (RPZ)	1,000'	SAME	500'	1,000'
INNER WIDTH	1,000'	SAME	500'	1,000'
OUTER WIDTH	2,500'	SAME	1,700'	2,500'

BUILDINGS	
NO.	FACILITY NAME
5	HANGAR 5
6	HANGAR 6
9	COMMERCIAL BUILDING (CASH)
45	HANGAR TRANSFER FACILITY
53	AIRPORT ROTATING BEACON TOWER
58	MECHANICAL SHOP
153	RECYCLING CENTER
200	PRO TERMINAL BUILDING
209	ELECTRIC DISTRIBUTION BLDG/SHELTER
225	AUTOMATIC EQUIP REPAIR SHOP
227	SOIL THERMIST
231	AIR TRAFFIC CONTROL TOWER (ATCT)
232	HANGAR 2

Note:
1. To Be Removed



ALL WEATHER WIND COVERAGE				
CROSSWIND COMPONENT (KTS)	10-15	13	14	20
WIND COVERAGE	98.41%	97.83%	98.33%	99.85%

IMC WIND COVERAGE				
CROSSWIND COMPONENT (KTS)	10-15	13	14	20
WIND COVERAGE	97.33%	98.73%	99.70%	99.93%

Source: U.S. Department of Commerce, National Climatic Data Center (NCDC)
Station: New England Region, ME, Station 74302
Period: 1999-2008 (7,883 observations)
Note: Wind Coverage Categories are as follows:
VWC (84.29%), IMC (11.98%), Closed (2.97%)

FEDERAL AVIATION ADMINISTRATION NEW ENGLAND REGION AIRPORTS DIVISION	MAINE DEPARTMENT OF TRANSPORTATION	MIDCOAST REGIONAL REDEVELOPMENT AUTHORITY
APPROVED: _____	APPROVED: _____	APPROVED: _____
DATE: _____	DATE: _____	DATE: _____
REFERENCE LETTER		
DATED: _____		

FAA's approval of this Airport Layout Plan (ALP) represents acceptance of the general location of future facilities depicted. During the preliminary design phase, the airport owner is required to locate the final locations, heights, and outer fringes of structures. FAA's concern is obstructions, impact on electronic aids or adverse effects on controller view of aircraft approach and ground movement areas which would adversely affect the safety, efficiency or utility of the airport.

ENGINEER'S SEAL

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BRUNSWICK EXECUTIVE AIRPORT
BRUNSWICK, MAINE

ULTIMATE AIRPORT LAYOUT PLAN

DATE: 08/09/2010

SCALE: 1" = 500'

DO NOT SCALE DRAWING

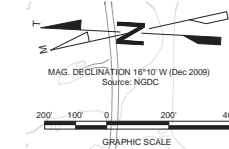
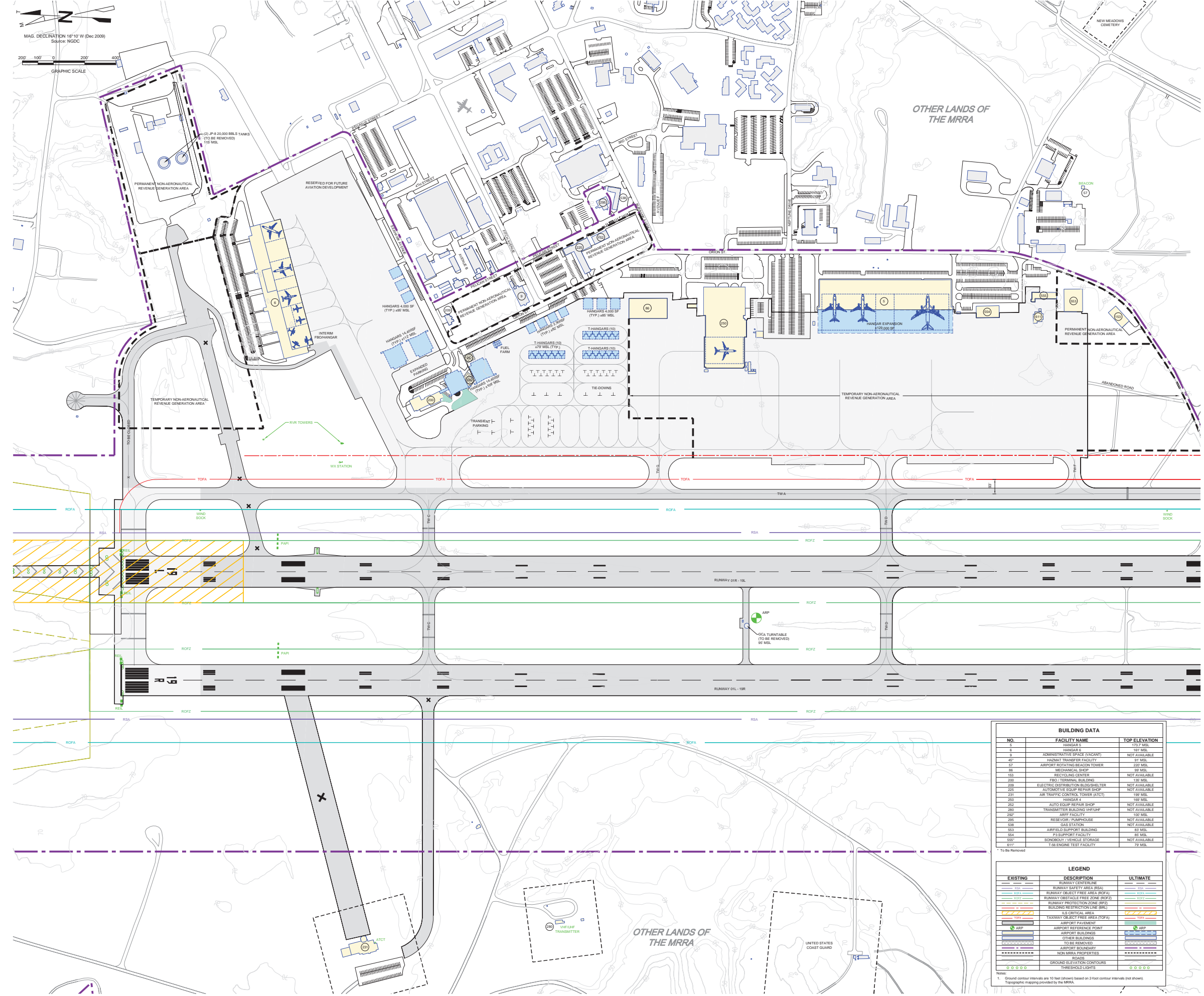
DESIGNED BY: BAO
CHECKED BY: JDM
DRAWN BY: RAM

REVISIONS

NO.	DESCRIPTION
1	
2	
3	
4	
5	

DRAWING NO.

SHEET 3 OF 3



GRAPHIC SCALE

LAYOUT BY: [Redacted]

BUILDING DATA		
NO.	FACILITY NAME	TOP ELEVATION
6	HANGAR 6	173 MSL
6	HANGAR 6	167 MSL
41	ADMINISTRATIVE SPACE (VACANT)	NOT AVAILABLE
45*	HONARI TRANSFER FACILITY	87 MSL
67	AIRPORT ROTATING BEACON TOWER	220 MSL
85	MECHANICAL SHOP	87 MSL
163	RECYCLING CENTER	NOT AVAILABLE
200	PRO/TERMINAL BUILDING	120 MSL
209	ELECTRIC DISTRIBUTION BUILDING/HELPER	NOT AVAILABLE
225	AUTOMOTIVE EQUIP REPAIR SHOP	NOT AVAILABLE
231	AIR TRAFFIC CONTROL TOWER (ATCT)	150 MSL
250	HANGAR 4	168 MSL
262	AUTO EQUIP REPAIR SHOP	NOT AVAILABLE
260	TRANSITER BUILDING (VHLP)	NOT AVAILABLE
262*	DRIF FACILITY	100 MSL
265	RESEARCH BUILDING	NOT AVAILABLE
638	GAS STATION	NOT AVAILABLE
653	AIRFIELD SUPPORT BUILDING	85 MSL
654	F1 SUPPORT FACILITY	85 MSL
655*	SONOROUS VEHICLE STORAGE	NOT AVAILABLE
611*	T-28 ENGINE TEST FACILITY	78 MSL

* To Be Removed

LEGEND		
EXISTING	DESCRIPTION	ULTIMATE
—	RUNWAY CENTERLINE	—
---	RUNWAY SAFETY AREA (RSA)	---
---	RUNWAY OBSTACLE FREE AREA (ROFA)	---
---	RUNWAY OBSTACLE FREE ZONE (ROFZ)	---
---	RUNWAY PROTECTION ZONE (RPZ)	---
---	BUILDING RESTRICTION LINE (BRL)	---
---	TAXIWAY OBSTACLE FREE AREA (TOFA)	---
○	AIRPORT PAVEMENT	○
○	AIRPORT REFERENCE POINT	○
□	AIRPORT BUILDINGS	□
□	OTHER BUILDINGS	□
□	TO BE REMOVED	□
---	AIRPORT BOUNDARY	---
---	NON-MRRA PROPERTIES	---
---	ROADS	---
○	GROUND ELEVATION CONTOURS	○
○	THRESHOLD LIGHTS	○

Note:
1. Ground contour intervals are 10 feet (shown) based on 2-foot contour intervals (not shown).
Topographic mapping provided by the MRRRA.

ENGINEER'S SEAL

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HoyleTanner
Associates, Inc.

BRUNSWICK EXECUTIVE AIRPORT
BRUNSWICK, MAINE

TERMINAL AREA PLAN

DATE: 08/09/2010

SCALE: 1" = 200'

DO NOT SCALE DRAWING

DESIGNED BY: JDM
CHECKED BY: RAM
DRAWN BY: BAO

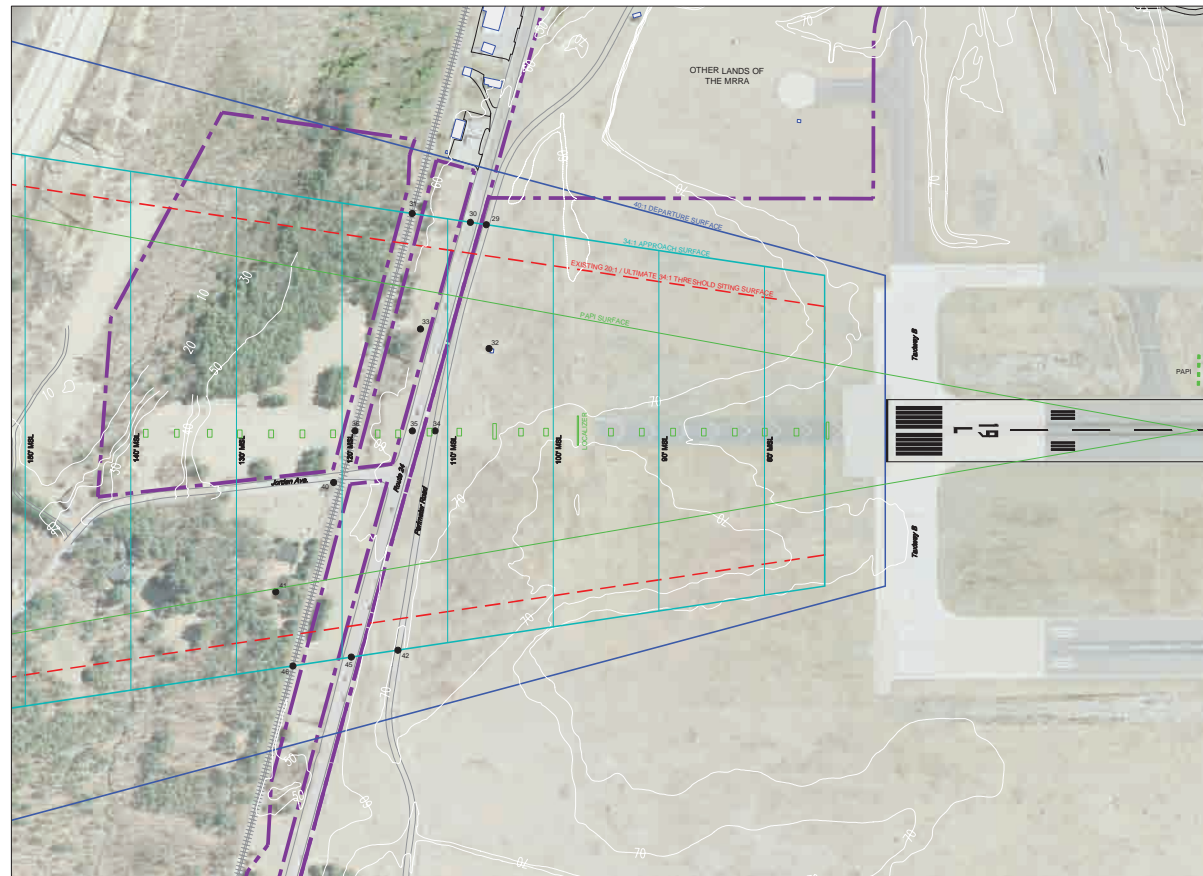
BY: [Redacted]

DATE: [Redacted]

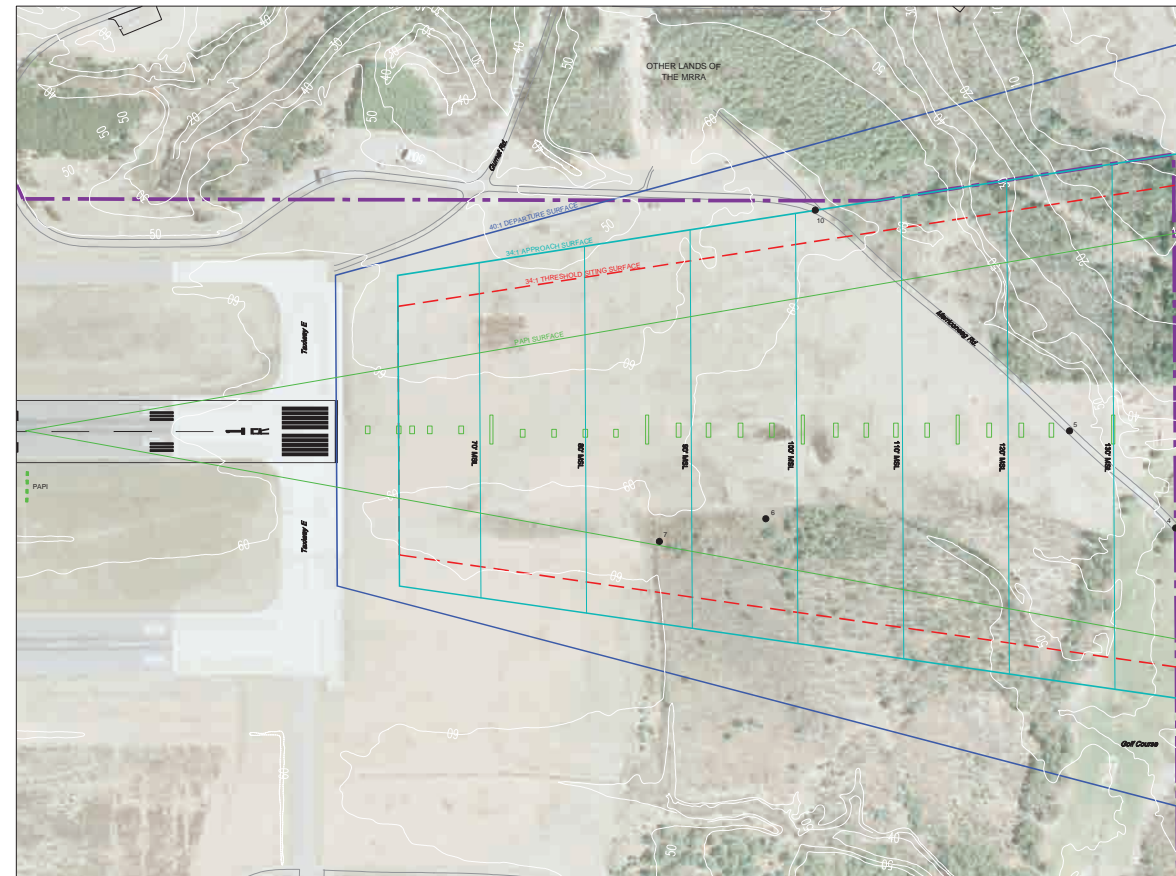
FILE NO.: 2814-PL201-TERM

DRAWING NO. [Redacted]

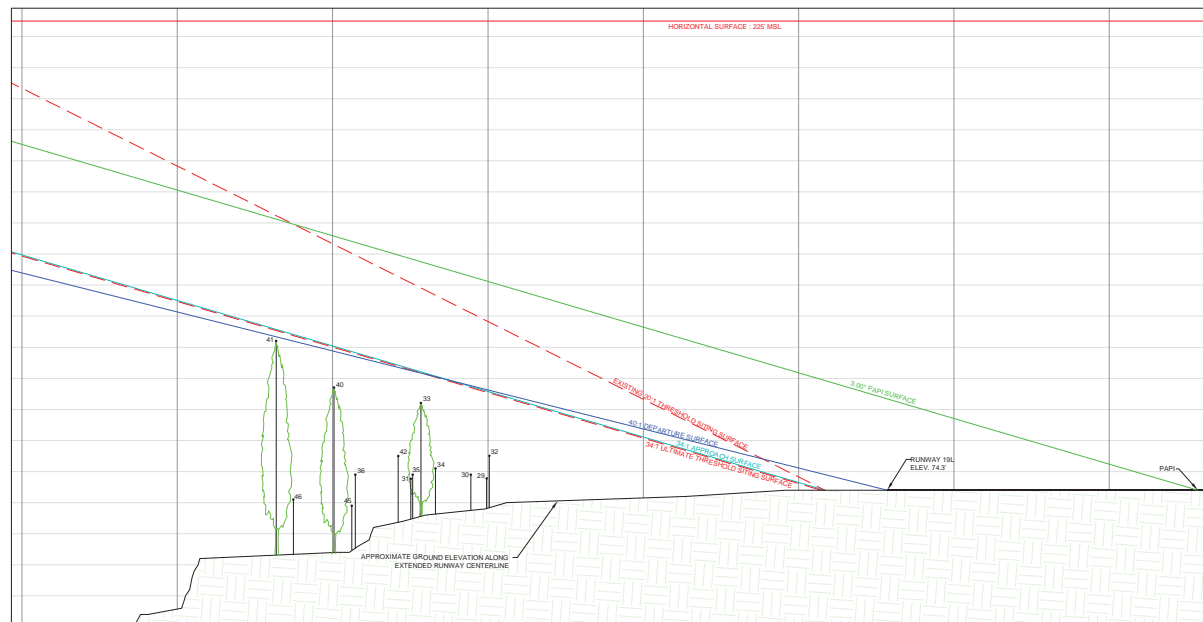
SHEET 4 OF 8



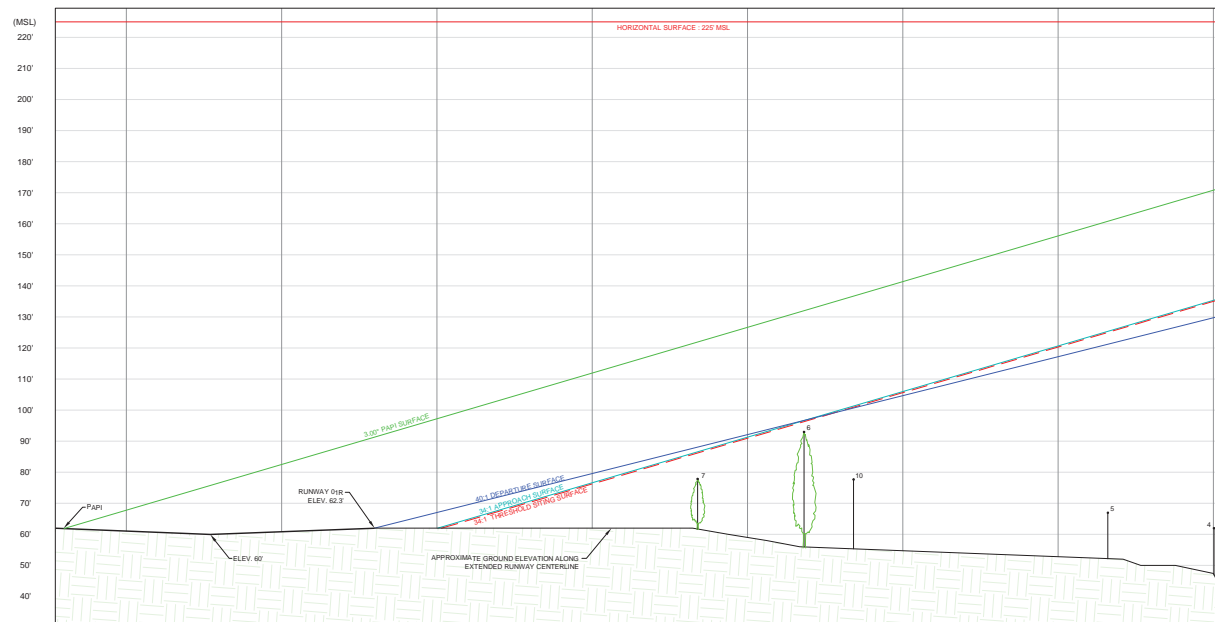
RUNWAY 19L PLAN VIEW
SCALE 1" = 200'



RUNWAY 01R PLAN VIEW
SCALE 1" = 200'



RUNWAY 19L PROFILE VIEW
VERTICAL SCALE 1" = 20'
HORIZONTAL SCALE 1" = 200'



RUNWAY 01R PROFILE VIEW
VERTICAL SCALE 1" = 20'
HORIZONTAL SCALE 1" = 200'

RUNWAY 19L OBSTRUCTION DISPOSITION CHART					
NO.	DESCRIPTION	TOP ELEVATION (MSL)	PART 77 HEIGHT	PENETRATION	DISPOSITION
29	PERIMETER RD	76	105.2	-29.2	NO ACTION
30	ROUTE 24	79	107.8	-28.8	NO ACTION
31	RAILROAD	77	113.4	-36.4	NO ACTION
32	NEW ILS DME ANTENNA (DE)	80.8	106.1	-25.3	NO ACTION
33	TREES (DE)	102.8	112.6	-9.8	NO ACTION
34	PERIMETER RD	81	111.2	-29.2	NO ACTION
35	ROUTE 24	79	113.3	-34.3	NO ACTION
36	RAILROAD	77	118.8	-41.8	NO ACTION
40	TREES (DE)	107.4	120.8	-13.4	NO ACTION
41	TREES (DE)	122.4	126.3	-3.9	NO ACTION
42	PERIMETER RD	85	114.2	-29.2	NO ACTION
43	ROUTE 24	89	119.1	-30.1	NO ACTION
46	RAILROAD	71	124.7	-53.7	NO ACTION

Note: Positive values denote penetration; negative values (-) denote clearance.
(DE) designates obstruction data provided by the Navy.

LEGEND		
EXISTING	DESCRIPTION	ULTIMATE
	OTHER BUILDINGS	
	SUPPORT BOUNDARY	
	OTHER LANDS OF THE MRRRA	
	ROAD	
	RAILROAD	
	GROUND ELEVATION CONTOURS	
	APPROACH LIGHT SYSTEM	

RUNWAY 01R OBSTRUCTION DISPOSITION CHART					
NO.	DESCRIPTION	TOP ELEVATION (MSL)	PART 77 HEIGHT	PENETRATION	DISPOSITION
4	MERRICKS ROAD	62	125.0	-63.0	NO ACTION
6	MERRICKS ROAD	67	126.8	-59.8	NO ACTION
7	TREES (DE)	62	97	-35	NO ACTION
7	TREES (DE)	79.7	89.8	-9.1	NO ACTION
10	MERRICKS ROAD	77	101.8	-24.8	NO ACTION

Note: Positive values denote penetration; negative values (-) denote clearance.
(DE) designates obstruction data provided by the Navy.



MAG. DECLINATION 16°10' W (Dec 2009)
Source: NCEC

Reference: Horizontal Datum - NAVD83
Vertical Datum - NAVD 88

Notes:
1. Ground contour intervals are 10 feet (shown) based on 2-foot contour intervals (not shown). Aerial photography and topographic mapping provided by the MRRRA.
2. 10 feet are used for utility roadway.
3. 25 feet for a Railroad.

Part 77 Obstruction:
1. 17 feet for an Interstate Highway
2. 10 feet for any other public roadway
3. 25 feet for a Railroad

ENGINEER'S SEAL

TRANSPORTATION
PROJECT NO. 2814-PL401-APP-1R
DATE: 08/09/2010

DESIGNED BY: JDM
CHECKED BY: RAM
SCALE: AS SHOWN
DATE: 08/09/2010

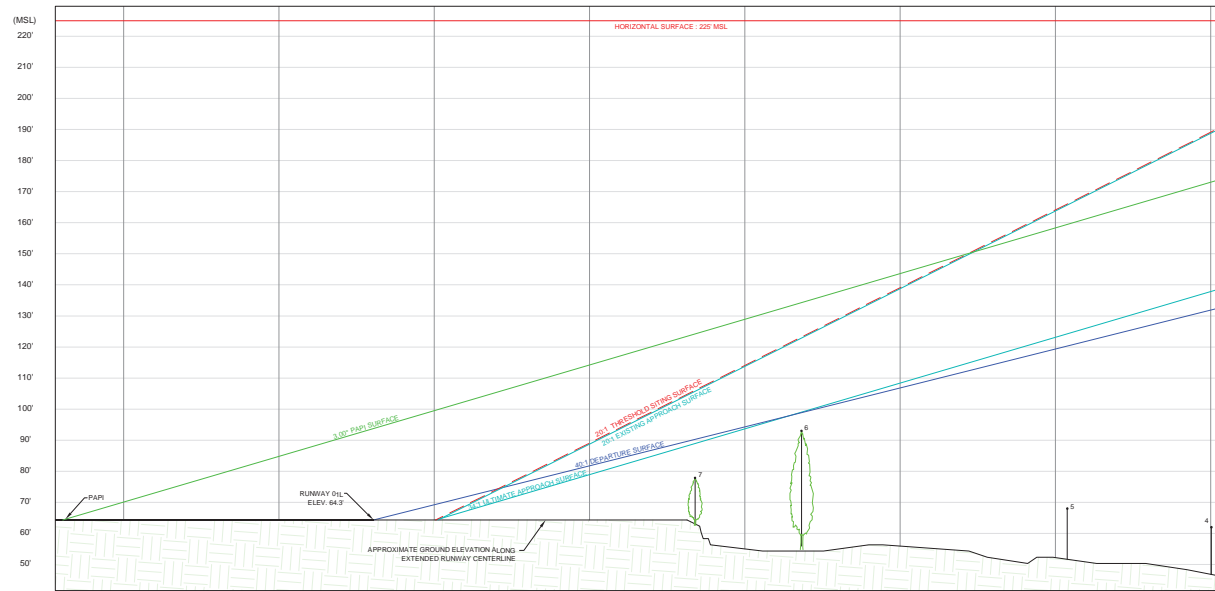
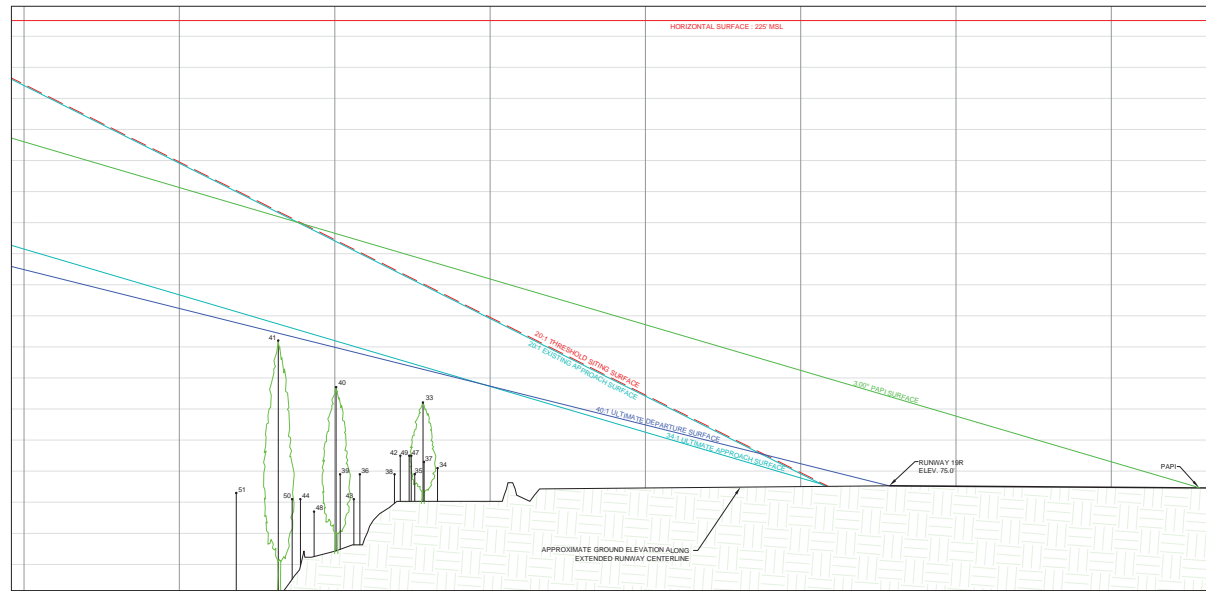
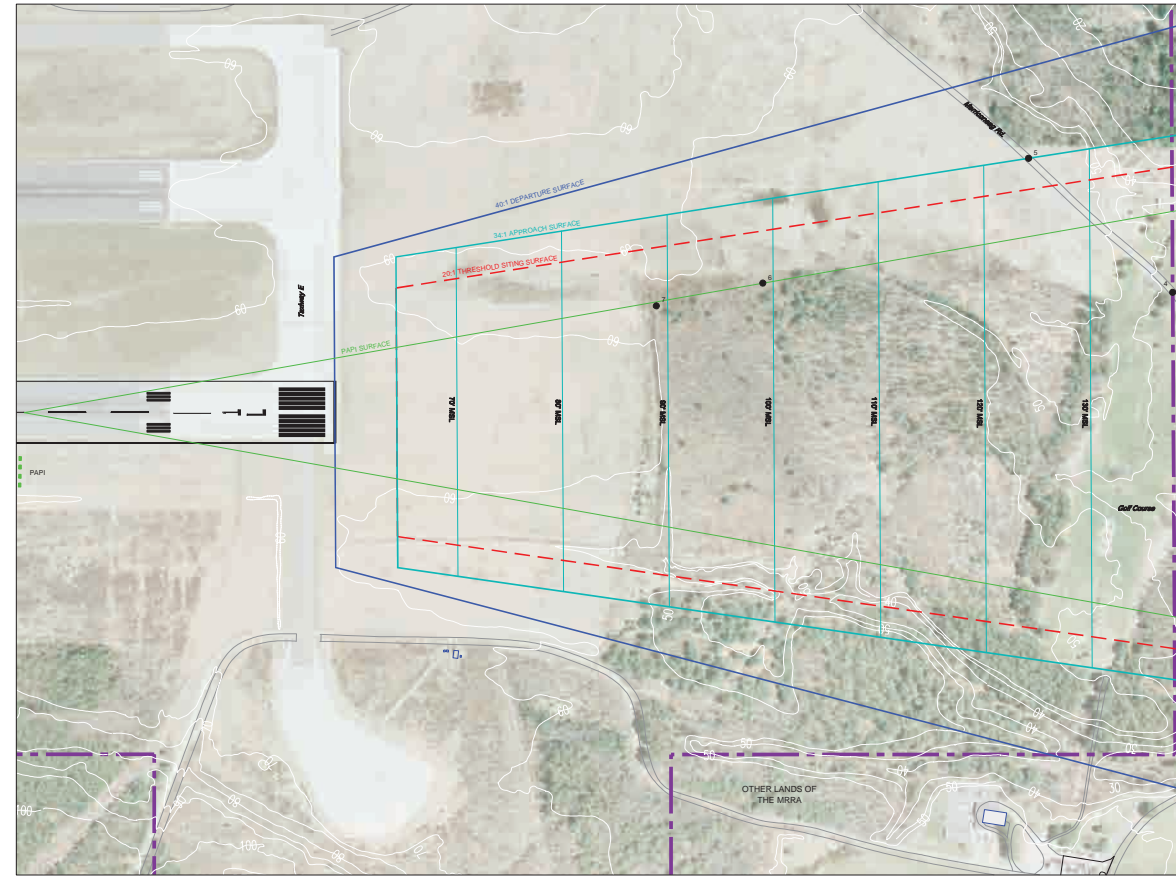
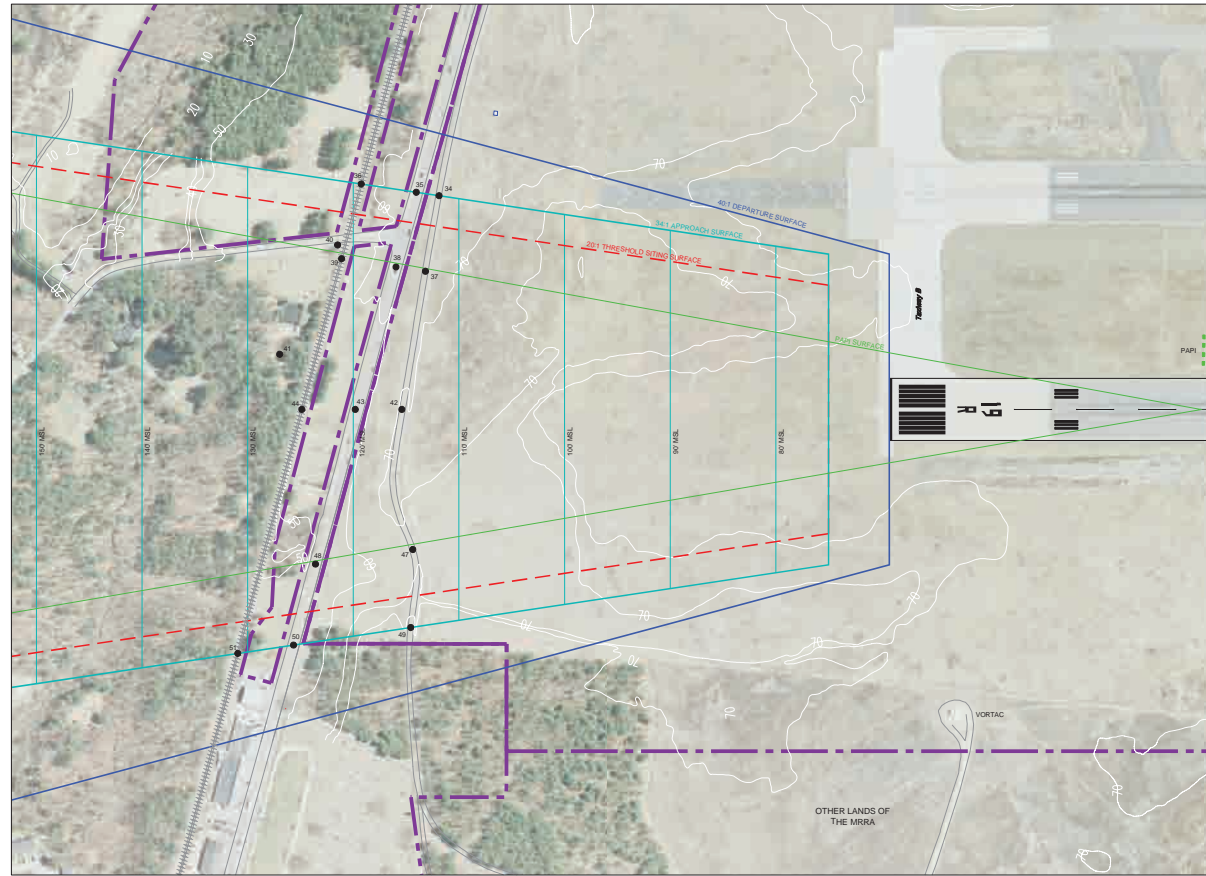
BRUNSWICK EXECUTIVE AIRPORT
BRUNSWICK, MAINE

RUNWAY 01R-19L INNER APPROACH SURFACES

REVISIONS

NO.	DATE	DESCRIPTION
1	08/09/2010	ISSUED FOR PERMITTING

DRAWING NO. 2814-PL401-APP-1R
SHEET 5 OF 8



RUNWAY 19L OBSTRUCTION DISPOSITION CHART

NO.	DESCRIPTION	TOP ELEVATION (MSL)	PART 77 HEIGHT	PENETRATION	DISPOSITION
34	PERIMETER RD	87	115.8	-30.8	NO ACTION
35	ROUTE 24	79	114.0	-35	NO ACTION
36	RAILROAD	79	119.2	-40.2	NO ACTION
37	PERIMETER RD	83	113.2	-30.2	NO ACTION
38	ROUTE 24	79	116.0	-37	NO ACTION
39	RAILROAD	79	121.0	-42.0	NO ACTION
40	TREES (DE)	107.4	121.5	-14.1	NO ACTION
41	TREES (DE)	122.4	127.0	-4.6	NO ACTION
42	PERIMETER RD	86	114.4	-28.4	NO ACTION
43	ROUTE 24	71	118.8	-47.8	NO ACTION
44	RAILROAD	71	126.8	-55.8	NO ACTION
47	PERIMETER RD	85	114.4	-29.4	NO ACTION
48	ROUTE 24	87	122.0	-35.0	NO ACTION
49	PERIMETER RD	86	114.6	-28.6	NO ACTION
50	ROUTE 24	71	125.7	-54.7	NO ACTION
51	RAILROAD	72	130.9	-58.9	NO ACTION

Note: Positive values denote penetration; negative values (-) denote clearance.
(DE) designates obstruction data provided by the Navy.

LEGEND

EXISTING	DESCRIPTION	ULTIMATE
[Symbol]	OTHER BUILDINGS	[Symbol]
[Symbol]	AIRPORT BUILDINGS	[Symbol]
[Symbol]	OTHER LANDS OF THE MRRRA	[Symbol]
[Symbol]	RAILROAD	[Symbol]
[Symbol]	GROUND ELEVATION CONTOURS	[Symbol]

RUNWAY 01R OBSTRUCTION DISPOSITION CHART

NO.	DESCRIPTION	TOP ELEVATION (MSL)	PART 77 HEIGHT	PENETRATION	DISPOSITION
4	MERRICONEAG ROAD	62	123.6	-61.6	NO ACTION
5	MERRICONEAG ROAD	68	124.1	-56.1	NO ACTION
6	TREES (DE)	82	88.0	-6.0	NO ACTION
7	TREES (DE)	78.7	88.0	-9.3	NO ACTION

Note: Positive values denote penetration; negative values (-) denote clearance.
(DE) designates obstruction data provided by the Navy.



Reference: Horizontal Datum - NAD 83
Vertical Datum - NAD 83

Notes:
1. Ground contour intervals are 10 feet (shown) based on 2-foot contour intervals (not shown). Aerial photography and topographic mapping provided by the MRRRA.
2. 10 for any other public roadway
3. 25 for a Railroad

Part 77 Additional Elevations:
1. 17 for an Interstate Highway
2. 10 for any other public roadway
3. 25 for a Railroad

ENGINEER'S SEAL

ACCOM

TRANSPORTATION
PROJECT NO. 2014-001
PROJECT NAME: BRUNSWICK EXECUTIVE AIRPORT
SHEET NO. 01L-19R
DATE: 08/09/2010

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Manchester, NH 03103-1227
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HoyleTanner Associates, Inc.

DESIGNED BY: BAO
CHECKED BY: JDM
CREATED BY: JDM

DO NOT SCALE DRAWING

BRUNSWICK EXECUTIVE AIRPORT
BRUNSWICK, MAINE

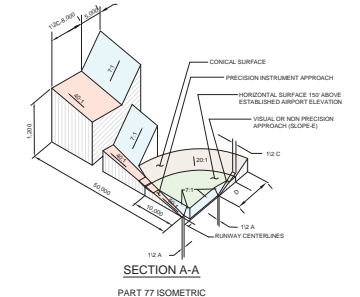
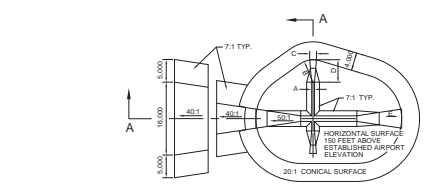
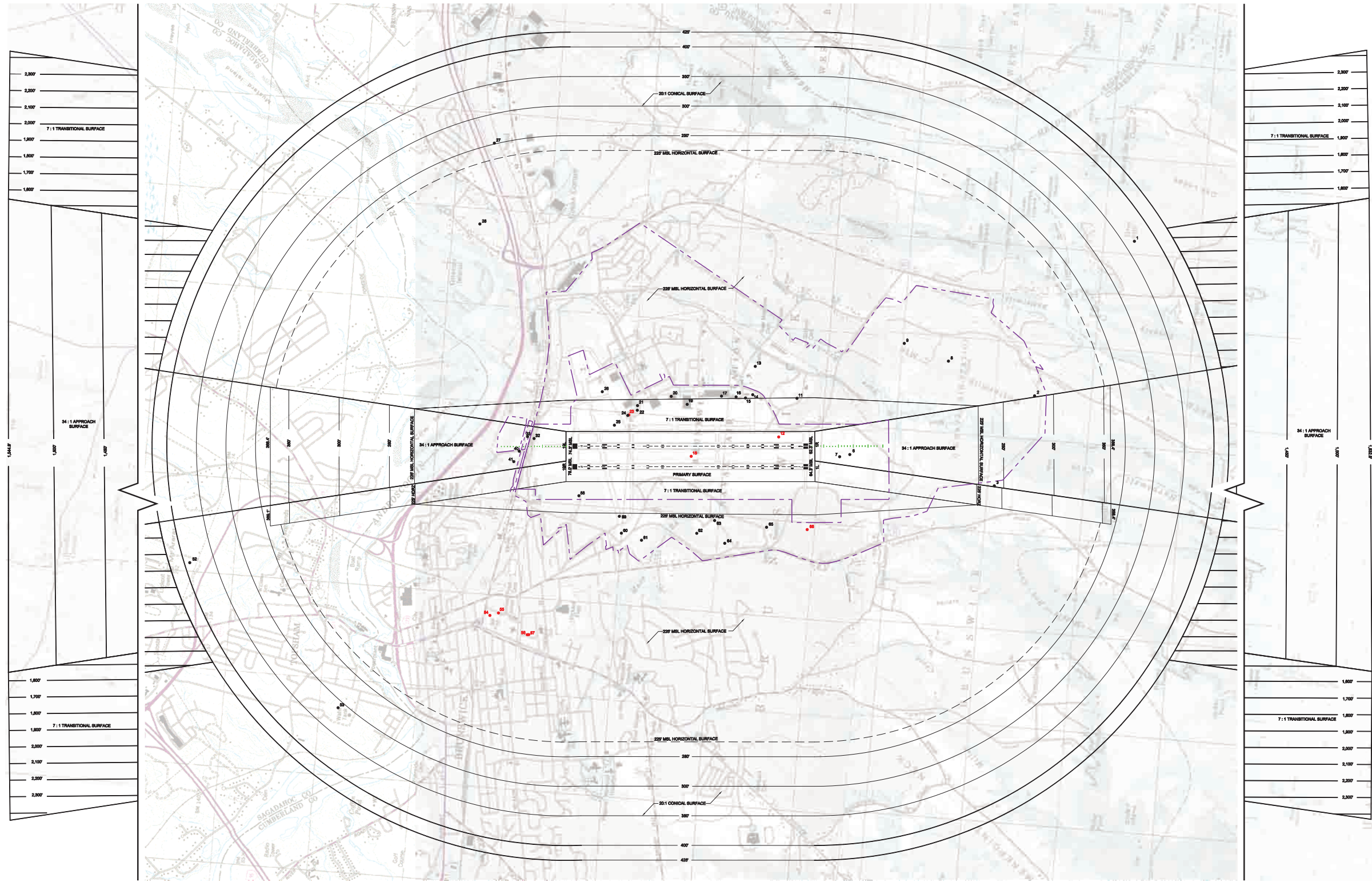
RUNWAY 01L-19R INNER APPROACH SURFACES

SCALE: AS SHOWN
DATE: 08/09/2010

NO.	DESCRIPTION	DATE	BY
1			

DRAWING NO.

SHEET 6 OF 8

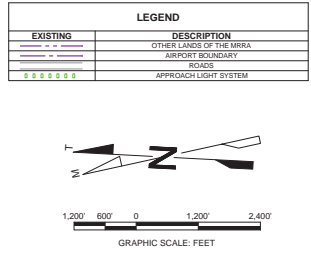


DIM	ITEM	DIMENSIONAL STANDARDS (FEET)				PRECISION INSTRUMENT RUNWAY
		A	B	C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	10,000	10,000	
C	APPROACH SURFACE WIDTH AT END	A	B	C	D	
D	APPROACH SURFACE LENGTH	5,000	5,000	10,000	10,000	
E	APPROACH SLOPE	30:1	30:1	30:1	30:1	

A. UTILITY RUNWAYS
 B. RUNWAYS LARGER THAN UTILITY
 C. VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
 D. VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
 E. PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 60:1 FOR AN ADDITIONAL 40,000 FEET
 Source: FAA AC 150/5300-13
 Note: See Sheet 3: Airport Layout Plan depicting modification to standard for approach surface slopes.

OBSTRUCTIONS											
NO.	DESCRIPTION	TOP ELEVATION (MSL)	PART 77 HEIGHT	PENETRATION	DISPOSITION	NO.	DESCRIPTION	TOP ELEVATION (MSL)	PART 77 HEIGHT	PENETRATION	DISPOSITION
1	ORIS HILL TREES (OE)	254	368.9	-112.9	NO ACTION	26	HANGAR 6 (OE)	161	225	-64	NO ACTION
2	WYA TREES (OE)	154	225	-71	NO ACTION	27	TOWER 2008 ANE - 1058 - (OE)	249	225	-24	NO ACTION
3	WYA TREES (OE)	154	240.8	-86.8	NO ACTION	28	POWER PYLON (OE)	207	225	-18	NO ACTION
4	TREES (OE)	85	97	-12	NO ACTION	29	NEW VLF/DME ANTENNA (OE)	85.86	108.1	-22.24	NO ACTION
5	TREES (OE)	79.7	89.9	-10.2	NO ACTION	30	TREES (OE)	102.9	112.6	-9.7	NO ACTION
6	BUTTERMILK MOUNTAIN TREES (OE)	214	225	-11	NO ACTION	40	TREES (OE)	107.4	130.8	-23.4	NO ACTION
7	TOWER ANTENNA (OE)	181	225	-44	NO ACTION	41	TREES (OE)	122.4	136.8	-14.4	NO ACTION
8	TOWER ANTENNA (OE)	181	222.1	-41.1	NO ACTION	42	TREES (OE)	122.4	131	-8.6	NO ACTION
9	TOWER ANTENNA (OE)	181	222.1	-41.1	NO ACTION	43	TREES (OE)	122.4	131	-8.6	NO ACTION
10	TOWER ANTENNA (OE)	181	222.1	-41.1	NO ACTION	44	TREES (OE)	122.4	131	-8.6	NO ACTION
11	TOWER ANTENNA (OE)	181	222.1	-41.1	NO ACTION	45	TREES (OE)	122.4	131	-8.6	NO ACTION
12	CRANE (SLOPE ANTENNA) (OE)	107.5584	42	45.5584	NO ACTION	53	TOWER 2008 ANE - 1058 - (OE)	252	311.4	-59.4	NO ACTION
13	AIRPORT ROTARY BEACON TOWER (OE)	200	225	-25	NO ACTION	54	TOWER	200	225	-25	TBD
14	AIRFIELD SUPPORT BUILDING (OE)	83	225	-142	NO ACTION	55	CRANE (TOWER) (SLOPE ANE - 1458 - (OE)	319	225	-90	TBD
15	FIS ENGINE TEST FACILITY (OE)	79	225	-146	TO BE REMOVED	56	ANTENNA (SLOPE ANE - 1058 - (OE)	225	225	0	TBD
16	PS SUPPORT FACILITY (OE)	85	225	-140	NO ACTION	57	STUDENT UNION BUILDING	253	225	-28	TBD
17	HANGAR 1 (OE)	173.7	225	-51.3	NO ACTION	58	TOP VORTAC	126.9	178.2	-51.3	NO ACTION
18	OCA TOWER (OE)	90	48	42	TO BE REMOVED	59	ATC TOWER (USE CORNER)	199	225	-26	NO ACTION
19	HANGAR 4 (OE)	169	197	-28	NO ACTION	60	ANTENNA	199	225	-26	NO ACTION
20	MECHANICAL SHOP BUILDING (OE)	89	225	-136	NO ACTION	61	ANTENNA	222	225	-3	NO ACTION
21	HAZMAT TRANSFER FACILITY (OE)	91	196.8	-104.8	TO BE REMOVED	62	ANTENNA	213.2	225	-11.8	NO ACTION
22	GAFF 3RD FACILITY (OE)	100	173	-73	TO BE REMOVED	63	SMITH POLE	160	225	-65	NO ACTION
23	FBO TOWER (ANTENNA) (OE)	159.7	159.9	-0.2	NO ACTION	64	ANTENNA	249	225	-24	NO ACTION
24	FBO TOWER (ROOF) (OE)	139	148.8	-13.8	NO ACTION	65	ASR ANTENNA	183.9	225	-41.1	NO ACTION
25	WEATHER STATION (SLOPE) (OE)	88.9	102.1	-13.2	NO ACTION	66	ANTENNA	248.9	225	-23.9	TBD

Note: Positive values denote penetration; negative values (-) denote clearance.
 * Power Pylons are 79' AGL in multiple rows surrounding the Northern side of the airport; obstruction # 28 is the most critical.
 † Ret Turb denotes object penetration of surfaces.
 Source: USGS Digital Elevation Graphs (DEMs) data received for the following quadrangle locations: Bowdoinham, Brunswick, Oms Island, and Bailey Island. Obstruction data points provided by the U.S. Navy.



ENGINEER'S SEAL

TRANSPORTATION
 PROJECT NO. 2814-PL404-AIRS
 PROJECT NAME: BRUNSWICK EXECUTIVE AIRPORT
 SHEET NO. 7 OF 8

DESIGNED BY: JDM
 CHECKED BY: JDM
 RAIN
 BAO
 DO NOT SCALE DRAWING

BRUNSWICK EXECUTIVE AIRPORT
 BRUNSWICK, MAINE

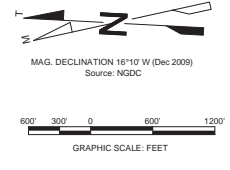
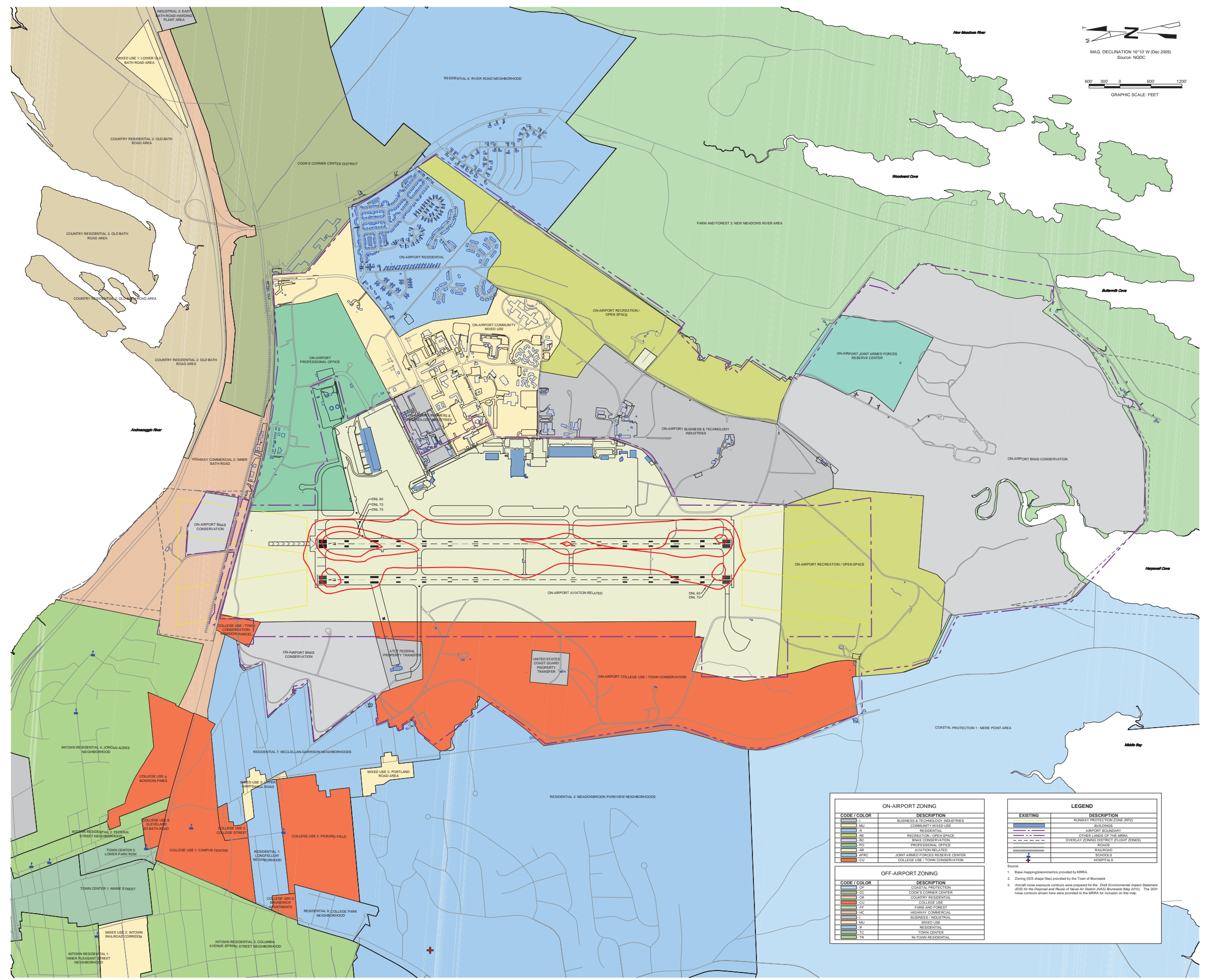
PART 77 AIRSPACE SURFACES

SCALE: 1" = 1,200'
 DATE: 08/06/2010

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

FILE NO.: 391101
 DRAWING NO.: 2814-PL404-AIRS
 SHEET 7 OF 8



ON-AIRPORT ZONING		LEGEND	
CODE / COLOR	DESCRIPTION	EXISTING	DESCRIPTION
BI	BUSINESS & TECHNOLOGY INDUSTRIES	—	RUNWAY PROTECTION ZONE (RPZ)
CMU	COMMUNITY MIXED USE	—	BUILDINGS
R	RESIDENTIAL	—	AIRPORT BOUNDARY
OS	RECREATION / OPEN SPACE	—	OTHER LANDS OF THE MBRRA
BC	BIAS CONSERVATION	—	OVERLAY ZONING DISTRICT (FLIGHT ZONES)
PO	PROFESSIONAL OFFICE	—	ROADS
AR	AVIATION RELATED	—	RAILROAD
JAFRC	JOINT ARMED FORCES RESERVE CENTER	—	SCHOOLS
CU	COLLEGE USE / TOWN CONSERVATION	—	HOSPITALS

OFF-AIRPORT ZONING	
CODE / COLOR	DESCRIPTION
CP	COASTAL PROTECTION
CC	COOK'S CORNER CENTER
CR	COUNTRY RESIDENTIAL
CU	COLLEGE USE
FT	FARM AND FOREST
HC	HIGHWAY COMMERCIAL
HI	BUSINESS / INDUSTRIAL
MU	MIXED USE
R	RESIDENTIAL
TC	TOWN CENTER
TR	IN-TOWN RESIDENTIAL

- Source:
1. Base mapping/planimetrics provided by MBRRA.
 2. Zoning (GIS shape files) provided by the Town of Brunswick.
 3. Aircraft noise exposure contours were prepared for the Draft Environmental Impact Statement (EIS) for the Disposal and Route of Noise At Station (RAS) Brunswick (May 2010). The 2031 noise contours shown here were provided to the MBRRA for inclusion on this map.

ENGINEER'S SEAL

ALCOM

TRANSPORTATION
 PROJECT NO. 2814-PL501-LAND-NOIS
 PROJECT NAME: BRUNSWICK EXECUTIVE AIRPORT
 PROJECT LOCATION: BRUNSWICK, MAINE
 DATE: 08/09/2010
 SCALE: 1" = 600'

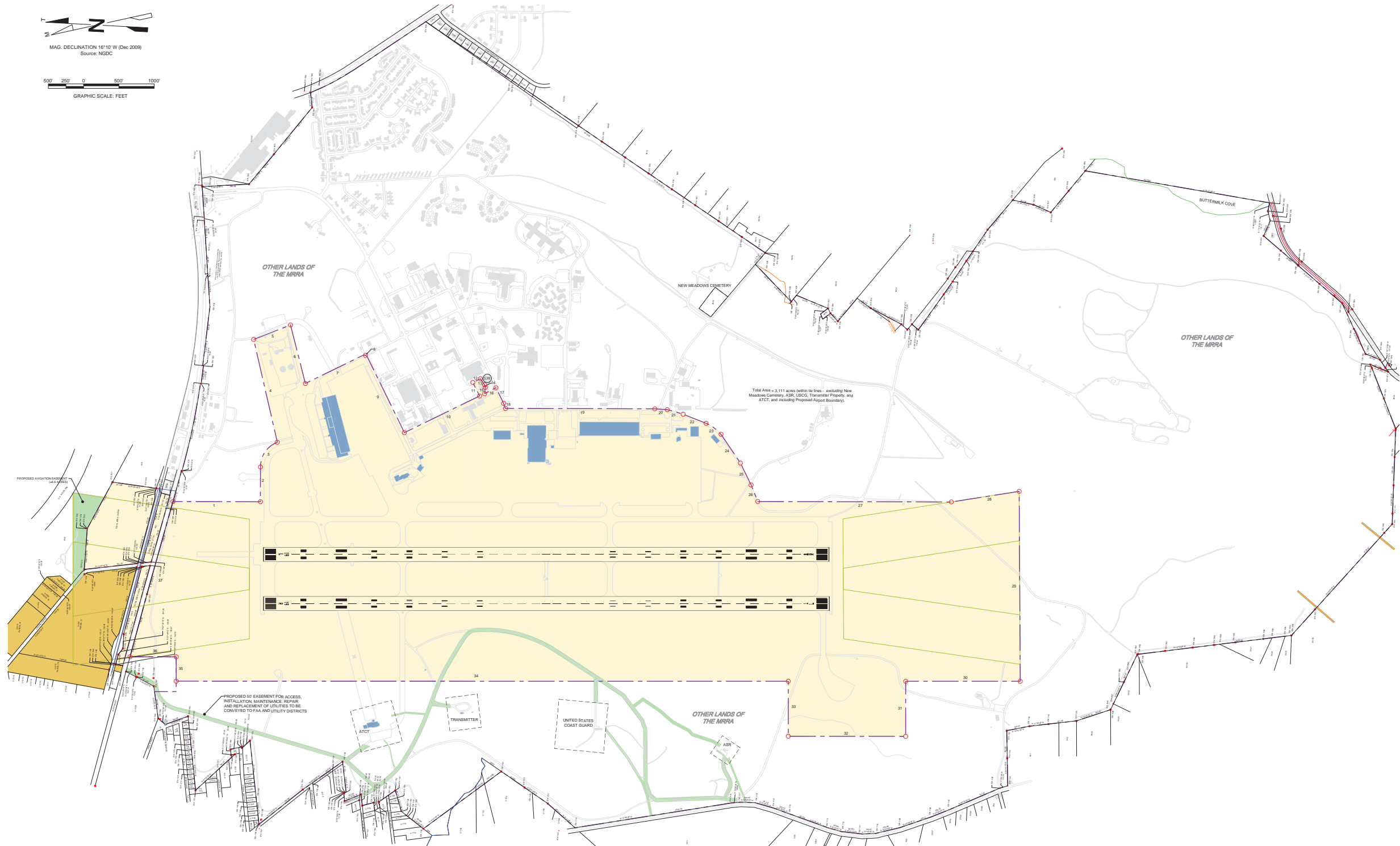
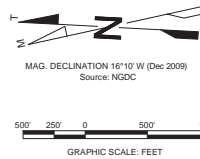
Hoyle, Tanner & Associates, Inc.

DESIGNED BY: BAO
 CHECKED BY: JDM
 DRAWN BY: RAM

BRUNSWICK EXECUTIVE AIRPORT
 BRUNSWICK, MAINE
 LAND USE PLAN WITH
 2031 NOISE CONTOURS
 DATE: 08/09/2010
 SCALE: 1" = 600'

NO.	DATE	DESCRIPTION

FILE NO. 351101
 FILE NAME: 2814-PL501-LAND-NOIS
 AIP NO. 2814-PL501-LAND-NOIS
 DRAWING NO. SHEET 8 OF 8



AIRPORT BOUNDARY MAP DATA

TYPE OF DATA	POINT	NORTHING	EASTING	DISTANCE / ARC LENGTH	COURSE	RADIUS	DELTA
Line	1	80910.2506	65693.3527	1235.1193	S 4° 3' 49" E		
Line	2	89674.2467	65781.1674	491.3896	N 88° 58' 11" E		
ARC	3	89708.0696	656271.3276	1827.1762		387.6181	288° 32' 3"
Line	4	89636.6150	65628.2777	1486.7827	N 72° 53' 12" E		
Line	5	89636.6342	65668.8844	561.2989	S 25° 39' 25" E		
Line	6	89433.4776	65930.9160	855.2532	S 11° 35' 41" W		
Line	7	89165.9154	65739.2546	813.5362	S 30° 4' 2" E		
ARC	8	88314.8488	65742.5805	81.0458		84.4294	68° 19' 38"
Line	9	88314.8692	65742.5806	1200.2897	S 59° 44' 52" W		
Line	10	87716.0388	65665.7184	1186.2709	S 30° 7' 37" E		
Line	11	86684.9209	65700.6287	214.2962	N 59° 11' 50" E		
Line	12	86734.8588	65734.6952	125.0942	S 30° 31' 58" E		
Line	13	86681.2160	65745.7050	105.9162	S 59° 59' 22" W		
Line	14	86625.1181	65764.1088	37.8311	S 72° 44' 58" W		
Line	15	86613.8967	65727.9796	89.3006	N 88° 26' 9" W		
Line	16	86616.3865	65738.4531	181.3009	S 11° 49' 15" E		
Line	17	86462.2880	65733.9701	246.3817	S 59° 30' 32" W		
Line	18	86337.6438	65741.4431	76.7484	S 62° 44' 47" W		
Line	19	86261.1172	65751.4688	215.3844	S 4° 42' 52" E		
Line	20	84184.9178	65749.6868	178.1768	S 0° 17' 42" E		
ARC	21	84215.7434	65750.5846	11459.0722		1860.7721	352° 50' 27"
Line	22	83718.4853	65745.1955	369.4328	S 17° 16' 38" W		
ARC	23	83455.8195	65748.4158	3562.1064		609.09	330° 4' 47"
Line	24	83333.2144	65728.8709	492.789	S 51° 54' 22" W		
Line	25	82927.2602	65665.8609	344.2725	S 54° 47' 58" W		
Line	26	82756.0176	65623.3187	253.2049	S 63° 30' 51" W		
Line	27	82434.9875	65626.3943	2742.862	S 4° 2' 11" E		
Line	28	7987.8292	65648.4462	373.2881	S 13° 2' 47" E		
Line	29	7969.8782	65670.1330	290.6587	S 85° 30' 29" W		
Line	30	78748.9913	65626.7889	163.0849	N 4° 9' 54" W		
Line	31	80267.7463	65598.8644	781.0241	S 85° 51' 58" W		
Line	32	80311.4665	65325.9122	1663.8120	N 4° 8' 25" W		
Line	33	81073.9696	65321.7530	779.1381	N 85° 40' 22" E		
Line	34	82027.2602	65378.0387	8074.7959	N 4° 12' 54" W		
Line	35	80678.6458	65357.9688	345.1420	N 85° 49' 48" E		
Line	36	80728.7432	65350.1071	854.0348	N 4° 4' 39" W		
Line	37	81202.2344	65400.6017	2891.8502	S 78° 42' 15" E		

LEGEND

EXISTING	DESCRIPTION
	AIRPORT BOUNDARY
	OTHER LANDS OF THE MRRRA
	EXISTING AVIATION EASEMENT
	PROPOSED AVIATION EASEMENT
	RUNWAY PROTECTION ZONE (RPZ)

Notes:

- The proposed Airport Boundary (as shown) is presented in the following geospatial coordinates:
 - Horizontal datum (State Plane) - NAD 83 - 1801 Maine East (1983)
 - Vertical datum - NAVD 88
- The proposed Airport Boundary (as shown) is approximately 974 acres.
- The underlying base map (as shown) was provided by the MRRRA and is not dated.
- The Other Lands of the MRRRA is property data provided by the U.S. Navy.

Disclaimer:
This Airport Property Map is a graphic illustration for airport planning and discussion purposes only. This map should not be used for conveyances or for any other legal use without the signature and seal of a licensed professional engineer or land surveyor.

ENGINEER'S SEAL

ALCOM

TRANSPORTATION
PROJECT NO. 2014-001
PROJECT NAME: BRUNSWICK EXECUTIVE AIRPORT
DATE: 08/09/2010
SCALE: 1" = 500'

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DESIGNED BY: BAO
CHECKED BY: JDM
DRAWN BY: RAM
DATE: 08/09/2010

**BRUNSWICK EXECUTIVE AIRPORT
BRUNSWICK, MAINE**

AIRPORT PROPERTY MAP

SCALE: 1" = 500'
DATE: 08/09/2010

NO.	DATE	DESCRIPTION
1		

DRAWING NO. 2814-PL601-PMAP

SHEET 9 OF 9