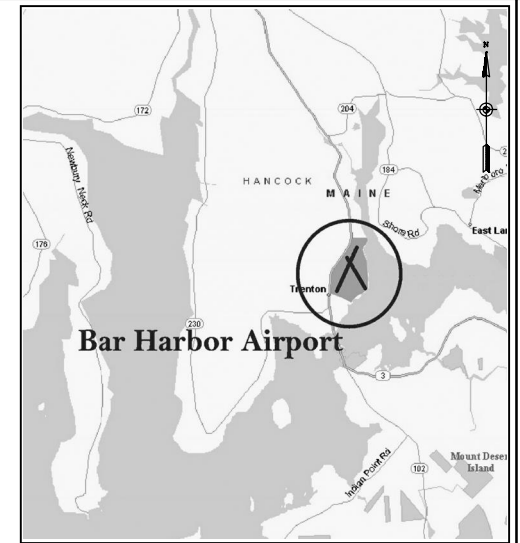


VICINITY MAP
NOT TO SCALE

Hancock County Bar Harbor Airport (BHB) Trenton, Maine

MASTER PLAN UPDATE



LOCATION MAP
NOT TO SCALE

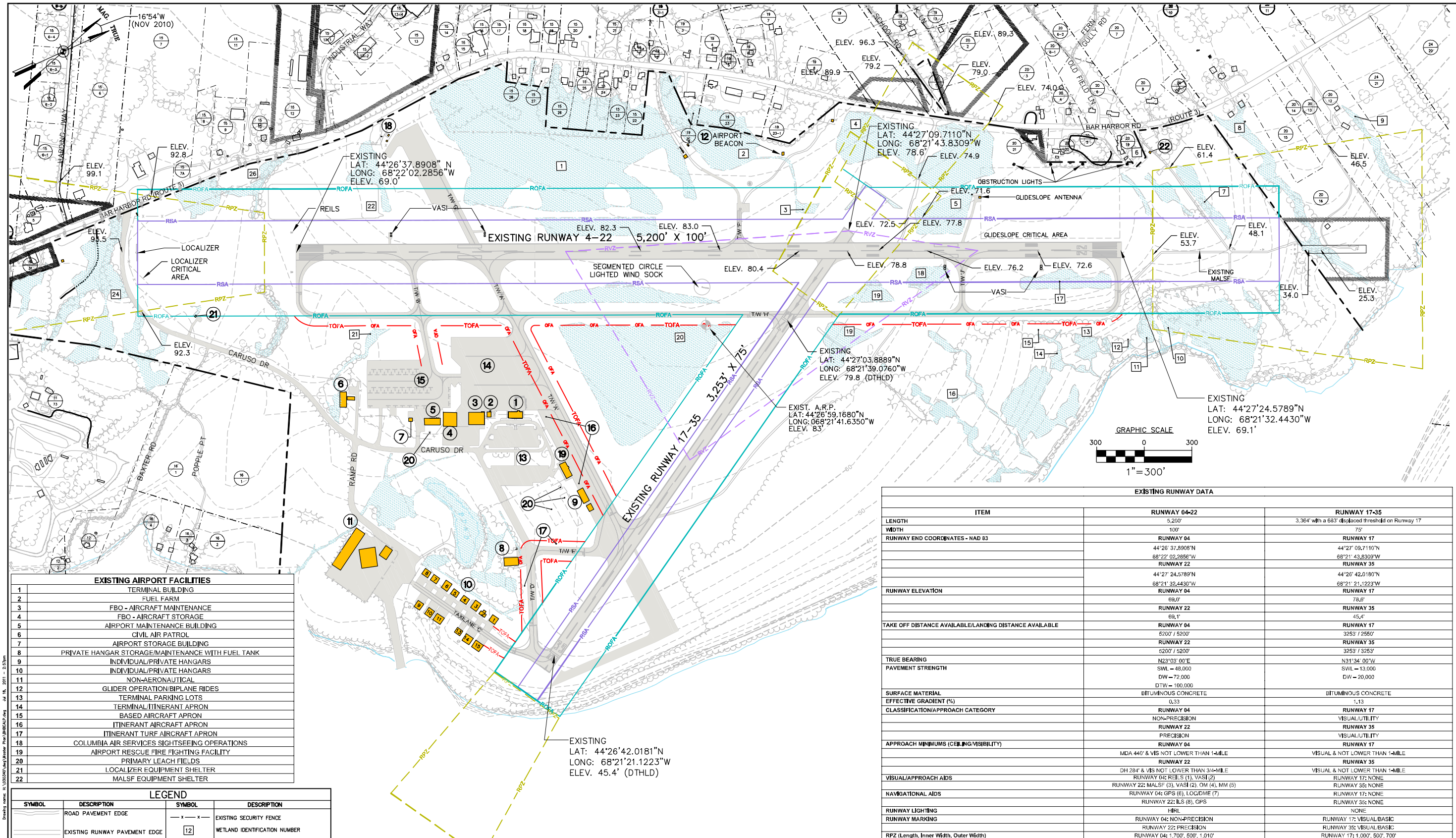
FEDERAL/STATE PROJECT NO.
AIP 3-23-0006-30-2010
HOYLE, TANNER PROJECT NO. 030340

INDEX TO DRAWINGS

1. COVER/TITLE SHEET
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3. ALP (ULTIMATE FACILITIES)
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5. ALP DATA SHEET
6. TERMINAL AREA PLAN
7. RUNWAY 04-22 PLAN AND PROFILE
8. RUNWAY 17-35 PLAN AND PROFILE
9. FAR PART 77 AIRSPACE SURFACES (SHEET 1 OF 2)
10. FAR PART 77 AIRSPACE SURFACES (SHEET 2 OF 2)
11. LAND USE AND NOISE CONTOUR PLAN
12. EXHIBIT A - PROPERTY MAP

May, 2011

REVISIONS	DATE	DESCRIPTION	BY
REV. NO.			
<p>PROJECT DESIGNER Hoyle, Tanner & Associates, Inc.</p> <p>150 Dow Street Manchester, NH 03101-0227 Tel 603-669-5555 Fax 603-669-4168 Web Page: www.hoyletanner.com</p>			
SCALE: AS SHOWN	DATE: MAY, 2011	DES. BY: TLM	DR. BY: DWH
			CHKD. BY: ERM
<p>HANCOCK COUNTY, BAR HARBOR AIRPORT AIRPORT MASTER PLAN UPDATE</p>			
<p>COVER/TITLE SHEET</p>			
<p>HTA PROJ. No.: 030340</p>			
<p>FILE: BHBCOVR</p>			
<p>AIP No.: AIP3-23-0006-30-2010</p>			
<p>DRAWING NO.</p>			
<p>1</p>			
<p>SHEET 1 OF 12</p>			



EXISTING AIRPORT FACILITIES
1 TERMINAL BUILDING
2 FUEL FARM
3 FBO - AIRCRAFT MAINTENANCE
4 FBO - AIRCRAFT STORAGE
5 AIRPORT MAINTENANCE BUILDING
6 CIVIL AIR PATROL
7 AIRPORT STORAGE BUILDING
8 PRIVATE HANGAR STORAGE/MAINTENANCE WITH FUEL TANK
9 INDIVIDUAL PRIVATE HANGARS
10 INDIVIDUAL PRIVATE HANGARS
11 NON-AERONAUTICAL
12 GLIDER OPERATION/BIPLANE RIDES
13 TERMINAL PARKING LOTS
14 TERMINAL/ITINERANT APRON
15 BASED AIRCRAFT APRON
16 ITINERANT AIRCRAFT APRON
17 ITINERANT TURF AIRCRAFT APRON
18 COLUMBIA AIR SERVICES SIGHTSEEING OPERATIONS
19 AIRPORT RESCUE FIRE FIGHTING FACILITY
20 PRIMARY LEACH FIELDS
21 LOCALIZER EQUIPMENT SHELTER
22 MALSFP EQUIPMENT SHELTER

LEGEND	
	ROAD PAVEMENT EDGE
	EXISTING RUNWAY PAVEMENT EDGE
	EXISTING PAVEMENT
	EXISTING TREE LINE
	EXISTING CONTOUR (TYP)
	BUILDINGS ON AIRPORT PROPERTY
	AIRPORT PROPERTY LINE
	ABUTTING PROPERTY LINES
	EXISTING AVIGATION EASEMENT AREA
	EXISTING SECURITY FENCE
	WETLAND IDENTIFICATION NUMBER
	EXISTING WETLANDS
	MAP & LOT NUMBERS FOR ABUTTING PROPERTIES TO THE AIRPORT. NOTE: ALL ABUTTER INFO IS NOT COMPLETELY SHOWN. SEE DATA SHEET (SHEET 4 OF 12) FOR COMPLETE LIST.
	AIRPORT REFERENCE POINT
	EXISTING TIE DOWN
	RUNWAY PROTECTION ZONE
	RUNWAY SAFETY AREA
	RUNWAY OBJECT FREE AREA
	TAXIWAY OBJECT FREE AREA
	RUNWAY VISIBILITY ZONE

EXISTING AIRPORT DATA	
ITEM	EXISTING
AIRPORT ELEVATION (U.S.G.S. - M.S.L.)	83'
AIRPORT REFERENCE POINT (ARP)	44° 26' 59.1680" N 068° 21' 41.6350" W
MEAN MAX TEMPERATURE HOTTEST MONTH	77°F
NAVIGATIONAL AIDS	ILS, LOC/DME, GPS
DISTANCE FROM TOWN OF BAR HARBOR	8 mi. NW
LAND OWNED (ACRES)/AIRPORT AREA FEE	468
AIRPORT AREA EASEMENTS (ACRES)	67.68 +/-
OWNER	HANCOCK COUNTY
OPERATIONAL ROLE (NPIAS)	NON-HUB PRIMARY
MAG. DECLINATION NOV 2010	16° 54' 00" W (2010)
AIRPORT REFERENCE CODE/AIRPORT DESIGN CODE	C-II

EXISTING RUNWAY DATA		
ITEM	RUNWAY 04-22	RUNWAY 17-35
LENGTH	5,200'	3,364' with a 683' displaced threshold on Runway 17
WIDTH	100'	75'
RUNWAY END COORDINATES - NAD 83	RUNWAY 04 44°26'37.8908"N 68°22'02.2856"W RUNWAY 22 44°27'24.5789"N 68°21'32.4430"W	RUNWAY 17 44°27'09.7110"N 68°21'43.8309"W RUNWAY 35 44°26'42.0181"N 68°21'21.1223"W
RUNWAY ELEVATION	RUNWAY 04 69.0' RUNWAY 22 69.1'	RUNWAY 17 78.6' RUNWAY 35 45.4'
TAKE OFF DISTANCE AVAILABLE/LANDING DISTANCE AVAILABLE	RUNWAY 04 5200' / 5200' RUNWAY 22 5200' / 5200'	RUNWAY 17 3253' / 2550' RUNWAY 35 3253' / 3253'
TRUE BEARING	N23°03'00"E	N31°34'00"W
PAVEMENT STRENGTH	SWL - 48,000 DW - 72,000 DTW - 100,000	SWL - 13,000 DW - 20,000
SURFACE MATERIAL	BITUMINOUS CONCRETE	BITUMINOUS CONCRETE
EFFECTIVE GRADIENT (%)	0.33	1.13
CLASSIFICATION/APPROACH CATEGORY	RUNWAY 04 NON-PRECISION RUNWAY 22 PRECISION	RUNWAY 17 VISUAL UTILITY RUNWAY 35 VISUAL UTILITY
APPROACH MINIMUMS (CEILING/VISIBILITY)	RUNWAY 04 MDA 440' & VIS NOT LOWER THAN 1/4-MILE	RUNWAY 17 VISUAL & NOT LOWER THAN 1/4-MILE
VISUAL/APPROACH AIDS	RUNWAY 04: REILS (1), VASI (2) RUNWAY 22: MALSFP (3), VASI (2), OM (4), MM (5)	RUNWAY 17: NONE RUNWAY 35: NONE
NAVIGATIONAL AIDS	RUNWAY 04: GPS (6), LOC/DME (7) RUNWAY 22: ILS (8), GPS	RUNWAY 17: NONE RUNWAY 35: NONE
RUNWAY LIGHTING	HIRL	NONE
RUNWAY MARKING	RUNWAY 04: NON-PRECISION RUNWAY 22: PRECISION	RUNWAY 17: VISUAL BASIC RUNWAY 35: VISUAL BASIC
RPZ (Length, Inner Width, Outer Width)	RUNWAY 04: 1,700', 500', 1,010' RUNWAY 22: 1,700', 1,000', 1,510'	RUNWAY 17: 1,000', 500', 700' RUNWAY 35: 1,000', 500', 700'
DESIGNATED INSTRUMENT RUNWAY	N/A	N/A
AIRPORT REFERENCE CODE/AIRPORT DESIGN CODE	C-II	C-II
CRITICAL AIRCRAFT	GRUMMAN GULFSTREAM III	BEECHCRAFT KING AIR 350
CRITICAL AIRCRAFT (WING SPAN)	77.8'	57.9'
CRITICAL AIRCRAFT APPROACH SPEED (KNOTS)	136	115
CRITICAL AIRCRAFT MTOW (POUNDS)	69,700	15,000
PARALLEL TAXIWAY	H	NONE
TAXIWAY LIGHTING	MITL	NONE

- NOTES:
- (1) REILS - RUNWAY END IDENTIFIER LIGHTS
 - (2) VASI - VISUAL APPROACH SLOPE INDICATOR
 - (3) MALSFP - 1,400-FOOT MEDIUM INTENSITY APPROACH LIGHTING SYSTEM WITH SEQUENCED FLASHERS, OR FLASHING LIGHTS
 - (4) OM - OUTER MARKER
 - (5) MM - MIDDLE MARKER
 - (6) GPS - GLOBAL POSITIONING SYSTEM APPROACH
 - (7) LOC/DME - LOCALIZER APPROACH WITH DISTANCE MEASURING EQUIPMENT
 - (8) ILS - INSTRUMENT LANDING SYSTEM

PROJECT DESIGNER
Hoyle, Tanner & Associates, Inc.

HANCOCK COUNTY, BAR HARBOR AIRPORT
AIRPORT MASTER PLAN UPDATE

AIRPORT LAYOUT PLAN
(EXISTING FACILITIES)

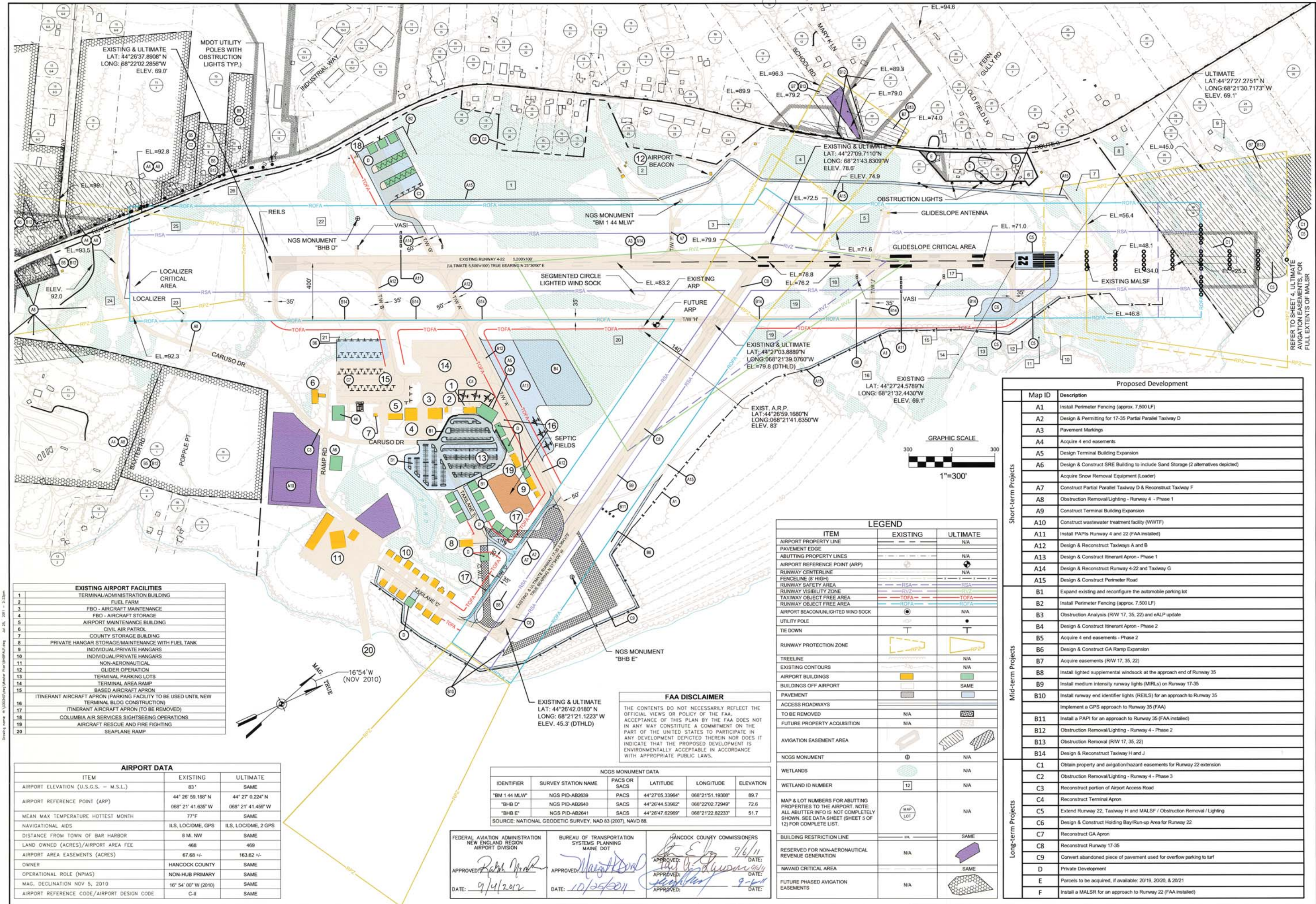
HTA PROJ. No.: 030340
FILE: BHBEALP
AIP No.: AIP3-23-0006-30-2010
DRAWING NO. **2**

SCALE: AS SHOWN DATE: MAY, 2011

DES. BY: TLM
CHKD. BY: ERM

REV. NO. DATE DESCRIPTION

150 Dow Street
Manchester, NH 03101-1227
Tel 603-669-5555
Fax 603-669-4168
Web Page: www.hoyletanner.com
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EXISTING AIRPORT FACILITIES
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2 FUEL FARM
3 FBO - AIRCRAFT MAINTENANCE
4 FBO - AIRCRAFT STORAGE
5 AIRPORT MAINTENANCE BUILDING
6 CIVIL AIR PATROL
7 COUNTY STORAGE BUILDING
8 PRIVATE HANGAR STORAGE/MAINTENANCE WITH FUEL TANK
9 INDIVIDUAL/PRIVATE HANGARS
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17 ITINERANT AIRCRAFT APRON (TO BE REMOVED)
18 COLUMBIA AIR SERVICES SIGHTSEEING OPERATIONS
19 AIRCRAFT RESCUE AND FIRE FIGHTING
20 SEAPLANE RAMP

AIRPORT DATA		
ITEM	EXISTING	ULTIMATE
AIRPORT ELEVATION (U.S.G.S. - M.S.L.)	83'	SAME
AIRPORT REFERENCE POINT (ARP)	44° 26' 59.168" N 068° 21' 41.635" W	44° 27' 0.224" N 068° 21' 41.459" W
MEAN MAX TEMPERATURE HOTTEST MONTH	77°F	SAME
NAVIGATIONAL AIDS	ILS, LOC/DME, GPS	ILS, LOC/DME, 2 GPS
DISTANCE FROM TOWN OF BAR HARBOR	8 MI. NW	SAME
LAND OWNED (ACRES)/AIRPORT AREA FEE	468	469
AIRPORT AREA EASEMENTS (ACRES)	67.88 +/-	163.82 +/-
OWNER	HANCOCK COUNTY	SAME
OPERATIONAL ROLE (NPIAS)	NON-HUB PRIMARY	SAME
MAG. DECLINATION NOV 5, 2010	16° 54' 00" W (2010)	SAME
AIRPORT REFERENCE CODE/AIRPORT DESIGN CODE	C-II	SAME

NCGS MONUMENT DATA					
IDENTIFIER	SURVEY STATION NAME	PACS OR SACS	LATITUDE	LONGITUDE	ELEVATION
"BM 1 44 MLW"	NGS PID-AB2639	PACS	44° 27' 05.33964"	068° 21' 51.19308"	89.7
"BHB D"	NGS PID-AB2640	SACS	44° 26' 44.53962"	068° 22' 02.72949"	72.6
"BHB E"	NGS PID-AB2641	SACS	44° 26' 47.62969"	068° 21' 22.82233"	51.7

FEDERAL AVIATION ADMINISTRATION
NEW ENGLAND REGION
AIRPORT DIVISION

BUREAU OF TRANSPORTATION
SYSTEMS PLANNING
MAINE DOT

HANCOCK COUNTY COMMISSIONERS

APPROVED: *[Signature]* DATE: 9/4/2012

APPROVED: *[Signature]* DATE: 10/25/2011

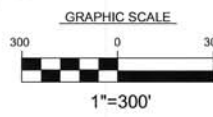
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LEGEND		
ITEM	EXISTING	ULTIMATE
AIRPORT PROPERTY LINE	---	N/A
PAVEMENT EDGE	---	N/A
ABUTTING PROPERTY LINES	---	N/A
AIRPORT REFERENCE POINT (ARP)	●	N/A
RUNWAY CENTERLINE	---	N/A
FENCELINE (8' HIGH)	---	N/A
RUNWAY SAFETY AREA	---	N/A
RUNWAY VISIBILITY ZONE	---	N/A
TAXIWAY OBJECT FREE AREA	---	N/A
RUNWAY OBJECT FREE AREA	---	N/A
AIRPORT BEACON/UNLIGHTED WIND SOCK	●	N/A
UTILITY POLE	●	N/A
TIE DOWN	---	N/A
RUNWAY PROTECTION ZONE	---	N/A
TREELINE	---	N/A
EXISTING CONTOURS	---	N/A
AIRPORT BUILDINGS	■	N/A
BUILDINGS OFF AIRPORT	■	SAME
PAVEMENT	■	SAME
ACCESS ROADWAYS	---	N/A
TO BE REMOVED	---	---
FUTURE PROPERTY ACQUISITION	---	---
AVIGATION EASEMENT AREA	---	---
NCGS MONUMENT	⊕	N/A
WETLANDS	---	N/A
WETLAND ID NUMBER	12	N/A
MAP & LOT NUMBERS FOR ABUTTING PROPERTIES TO THE AIRPORT. NOTE: ALL ABUTTER INFO IS NOT COMPLETELY SHOWN. SEE DATA SHEET (SHEET 5 OF 12) FOR COMPLETE LIST.	---	N/A
BUILDING RESTRICTION LINE	---	SAME
RESERVED FOR NON-AERONAUTICAL REVENUE GENERATION	---	N/A
NAVAID CRITICAL AREA	---	SAME
FUTURE PHASED AVIGATION EASEMENTS	---	N/A



Proposed Development	
Map ID	Description
A1	Install Perimeter Fencing (approx. 7,500 LF)
A2	Design & Permitting for 17-35 Partial Parallel Taxiway D
A3	Pavement Markings
A4	Acquire 4 end easements
A5	Design Terminal Building Expansion
A6	Design & Construct SRE Building to include Sand Storage (2 alternatives depicted)
A7	Acquire Snow Removal Equipment (Loader)
A8	Construct Partial Parallel Taxiway D & Reconstruct Taxiway F
A9	Construct Terminal Building Expansion
A10	Construct wastewater treatment facility (WWTF)
A11	Install PAPIs Runway 4 and 22 (FAA installed)
A12	Design & Reconstruct Taxiways A and B
A13	Design & Construct Itinerant Apron - Phase 1
A14	Design & Reconstruct Runway 4-22 and Taxiway G
A15	Design & Construct Perimeter Road
B1	Expand existing and reconfigure the automobile parking lot
B2	Install Perimeter Fencing (approx. 7,500 LF)
B3	Obstruction Analysis (RW 17, 35, 22) and eALP update
B4	Design & Construct Itinerant Apron - Phase 2
B5	Acquire 4 end easements - Phase 2
B6	Design & Construct GA Ramp Expansion
B7	Acquire easements (RW 17, 35, 22)
B8	Install lighted supplemental windsock at the approach end of Runway 35
B9	Install medium intensity runway lights (MIRLS) on Runway 17-35
B10	Install runway end identifier lights (REILS) for an approach to Runway 35
B11	Implement a GPS approach to Runway 35 (FAA)
B12	Install a PAPI for an approach to Runway 35 (FAA installed)
B13	Obstruction Removal/Lighting - Runway 4 - Phase 2
B14	Obstruction Removal (RW 17, 35, 22)
C1	Design & Reconstruct Taxiway H and J
C2	Obtain property and aviation/hazard easements for Runway 22 extension
C3	Obstruction Removal/Lighting - Runway 4 - Phase 3
C4	Reconstruct portion of Airport Access Road
C5	Reconstruct Terminal Apron
C6	Extend Runway 22, Taxiway H and MALSF / Obstruction Removal / Lighting
C7	Design & Construct Holding Bay/Run-up Area for Runway 22
C8	Reconstruct GA Apron
C9	Reconstruct Runway 17-35
D	Convert abandoned piece of pavement used for overflow parking to turf
E	Private Development
F	Parcels to be acquired, if available: 2019, 2020, & 2021
F	Install a MALSF for an approach to Runway 22 (FAA installed)

PROJECT DESIGNER
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HANCOCK COUNTY, BAR HARBOR AIRPORT
AIRPORT MASTER PLAN UPDATE

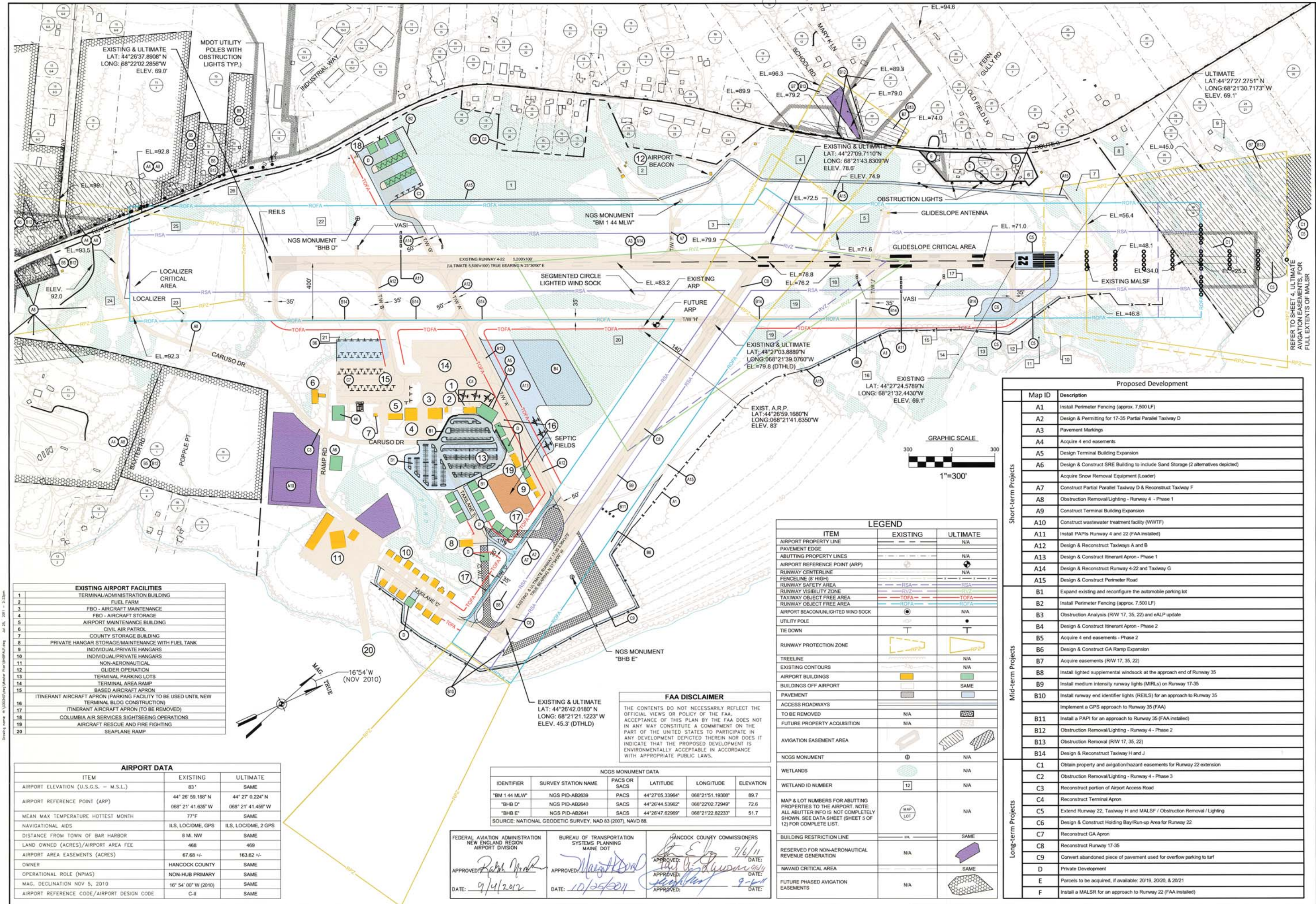
AIRPORT LAYOUT PLAN
(ULTIMATE FACILITIES)

HTA PROJ. No.: 030340
FILE: BHPALP
AIP No.: AIP3-23-0006-30-2010
DRAWING NO. 3

SHEET 3 OF 12

REV. NO.	DATE	DESCRIPTION

DES. BY: TLM
CHKD. BY: ERM
DATE: MAY, 2011
SCALE: AS SHOWN



EXISTING AIRPORT FACILITIES	
1	TERMINAL/ADMINISTRATION BUILDING
2	FUEL FARM
3	FBO - AIRCRAFT MAINTENANCE
4	FBO - AIRCRAFT STORAGE
5	AIRCRAFT MAINTENANCE BUILDING
6	CIVIL AIR PATROL
7	COUNTY STORAGE BUILDING
8	PRIVATE HANGAR STORAGE/MAINTENANCE WITH FUEL TANK
9	INDIVIDUAL/PRIVATE HANGARS
10	INDIVIDUAL/PRIVATE HANGARS
11	NON-AERONAUTICAL
12	GLIDER OPERATION
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OWNER	HANCOCK COUNTY	SAME
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SOURCE: NATIONAL GEODETIC SURVEY, NAD 83 (2007), NAVD 88.

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AIRPORT DIVISION

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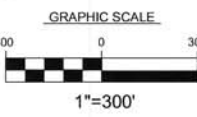
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LEGEND		
ITEM	EXISTING	ULTIMATE
AIRPORT PROPERTY LINE	---	N/A
PAVEMENT EDGE	---	N/A
ABUTTING PROPERTY LINES	---	N/A
AIRPORT REFERENCE POINT (ARP)	●	N/A
RUNWAY CENTERLINE	---	N/A
FENCELINE (8' HIGH)	---	N/A
RUNWAY SAFETY AREA	---	N/A
RUNWAY VISIBILITY ZONE	---	N/A
TAXIWAY OBJECT FREE AREA	---	N/A
RUNWAY OBJECT FREE AREA	---	N/A
AIRPORT BEACON/UNLIGHTED WIND SOCK	●	N/A
UTILITY POLE	●	N/A
TIE DOWN	---	N/A
RUNWAY PROTECTION ZONE	---	N/A
TREELINE	---	N/A
EXISTING CONTOURS	---	N/A
AIRPORT BUILDINGS	■	N/A
BUILDINGS OFF AIRPORT	■	SAME
PAVEMENT	■	SAME
ACCESS ROADWAYS	---	N/A
TO BE REMOVED	---	---
FUTURE PROPERTY ACQUISITION	---	---
AVIGATION EASEMENT AREA	---	---
NGCS MONUMENT	⊕	N/A
WETLANDS	---	N/A
WETLAND ID NUMBER	12	N/A
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BUILDING RESTRICTION LINE	---	SAME
RESERVED FOR NON-AERONAUTICAL REVENUE GENERATION	---	N/A
NAVAID CRITICAL AREA	---	SAME
FUTURE PHASED AVIGATION EASEMENTS	---	N/A



Proposed Development	
Map ID	Description
A1	Install Perimeter Fencing (approx. 7,500 LF)
A2	Design & Permitting for 17-35 Partial Parallel Taxiway D
A3	Pavement Markings
A4	Acquire 4 end easements
A5	Design Terminal Building Expansion
A6	Design & Construct SRE Building to include Sand Storage (2 alternatives depicted) Acquire Snow Removal Equipment (Loader)
A7	Construct Partial Parallel Taxiway D & Reconstruct Taxiway F
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B3	Obstruction Analysis (RW 17, 35, 22) and eALP update
B4	Design & Construct Itinerant Apron - Phase 2
B5	Acquire 4 end easements - Phase 2
B6	Design & Construct GA Ramp Expansion
B7	Acquire easements (RW 17, 35, 22)
B8	Install lighted supplemental windsock at the approach end of Runway 35
B9	Install medium intensity runway lights (MIRLS) on Runway 17-35
B10	Install runway end identifier lights (REILS) for an approach to Runway 35 Implement a GPS approach to Runway 35 (FAA)
B11	Install a PAPI for an approach to Runway 35 (FAA installed)
B12	Obstruction Removal/Lighting - Runway 4 - Phase 2
B13	Obstruction Removal (RW 17, 35, 22)
B14	Design & Reconstruct Taxiway H and J
C1	Obtain property and avigation/hazard easements for Runway 22 extension
C2	Obstruction Removal/Lighting - Runway 4 - Phase 3
C3	Reconstruct portion of Airport Access Road
C4	Reconstruct Terminal Apron
C5	Extend Runway 22, Taxiway H and MALSF / Obstruction Removal / Lighting
C6	Design & Construct Holding Bay/Run-up Area for Runway 22
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AIRPORT MASTER PLAN UPDATE

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(ULTIMATE FACILITIES)**

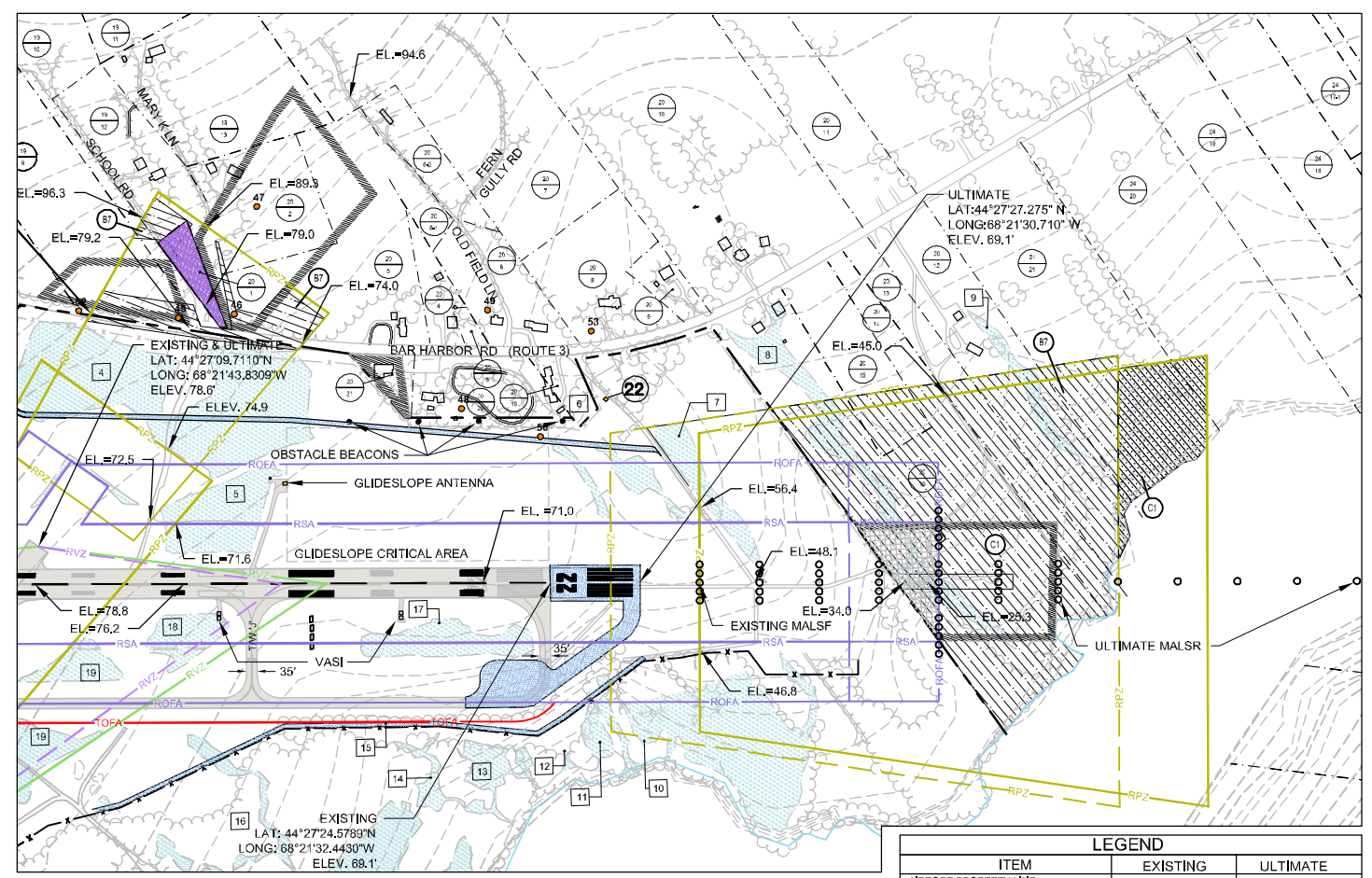
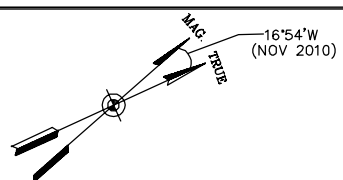
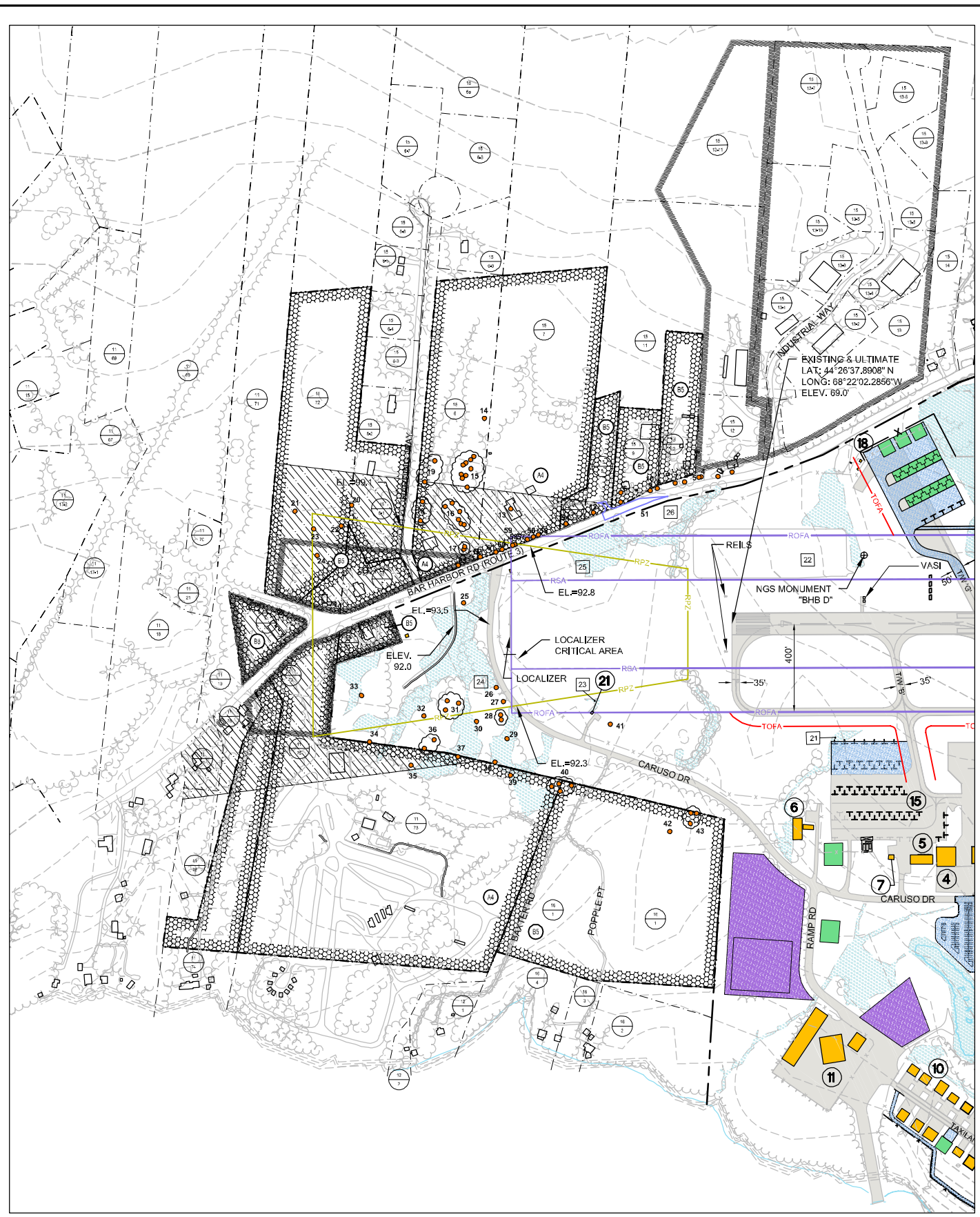
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AIP No.: AIP3-23-0006-30-2010
DRAWING NO. **3**

SHEET 3 OF 12

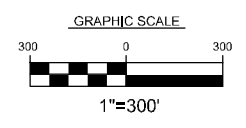
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DES. BY: TLM
CHKD. BY: ERM
DATE: MAY, 2011
SCALE: AS SHOWN

Drawing name: H:\030340\030340\030340 Master Plan\BHP\AIP\AIP3.dwg Jul 25, 2011 - 2:01pm



LEGEND		
ITEM	EXISTING	ULTIMATE
AIRPORT PROPERTY LINE	---	N/A
PAVEMENT EDGE	---	N/A
ABUTTING PROPERTY LINES	---	N/A
AIRPORT REFERENCE POINT (ARP)	+	+
RUNWAY CENTERLINE	---	---
FENCELINE (6' HIGH)	---	---
RUNWAY SAFETY AREA	--- RSA ---	--- RSA ---
RUNWAY MOBILITY ZONE	--- RMZ ---	--- RMZ ---
TAXIWAY OBJECT FREE AREA	--- TOFA ---	--- TOFA ---
RUNWAY OBJECT FREE AREA	--- ROFA ---	--- ROFA ---
AIRPORT BEACON/UNLIGHTED WIND SOCK	○	○
UTILITY POLE	○	○
TIE DOWN	T	T
RUNWAY PROTECTION ZONE	RPZ	RPZ
TREELINE	~	N/A
EXISTING CONTOURS	~	N/A
AIRPORT BUILDINGS	■	■
BUILDINGS OFF AIRPORT	■	SAME
PAVEMENT	■	■
ACCESS ROADWAYS	---	---
TO BE REMOVED	N/A	■
FUTURE PROPERTY ACQUISITION	N/A	■
AVIGATION EASEMENT AREA	■	■
NGCS MONUMENT	⊕	N/A
WETLANDS	■	N/A
WETLAND ID NUMBER	12	N/A
MAP & LOT NUMBERS FOR ABUTTING PROPERTIES TO THE AIRPORT. NOTE: ALL ABUTTER INFO IS NOT COMPLETELY SHOWN. SEE DATA SHEET (SHEET 5 OF 12) FOR COMPLETE LIST.	MAP LOT	N/A
BUILDING RESTRICTION LINE	---	SAME
RESERVED FOR NON-AERONAUTICAL REVENUE GENERATION	N/A	■
NAVAID CRITICAL AREA	---	SAME
FUTURE PHASED AVIGATION EASEMENTS	N/A	■



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PROJECT
 HANCOCK COUNTY, BAR HARBOR AIRPORT
 AIRPORT MASTER PLAN UPDATE

DRAWING NO.
4

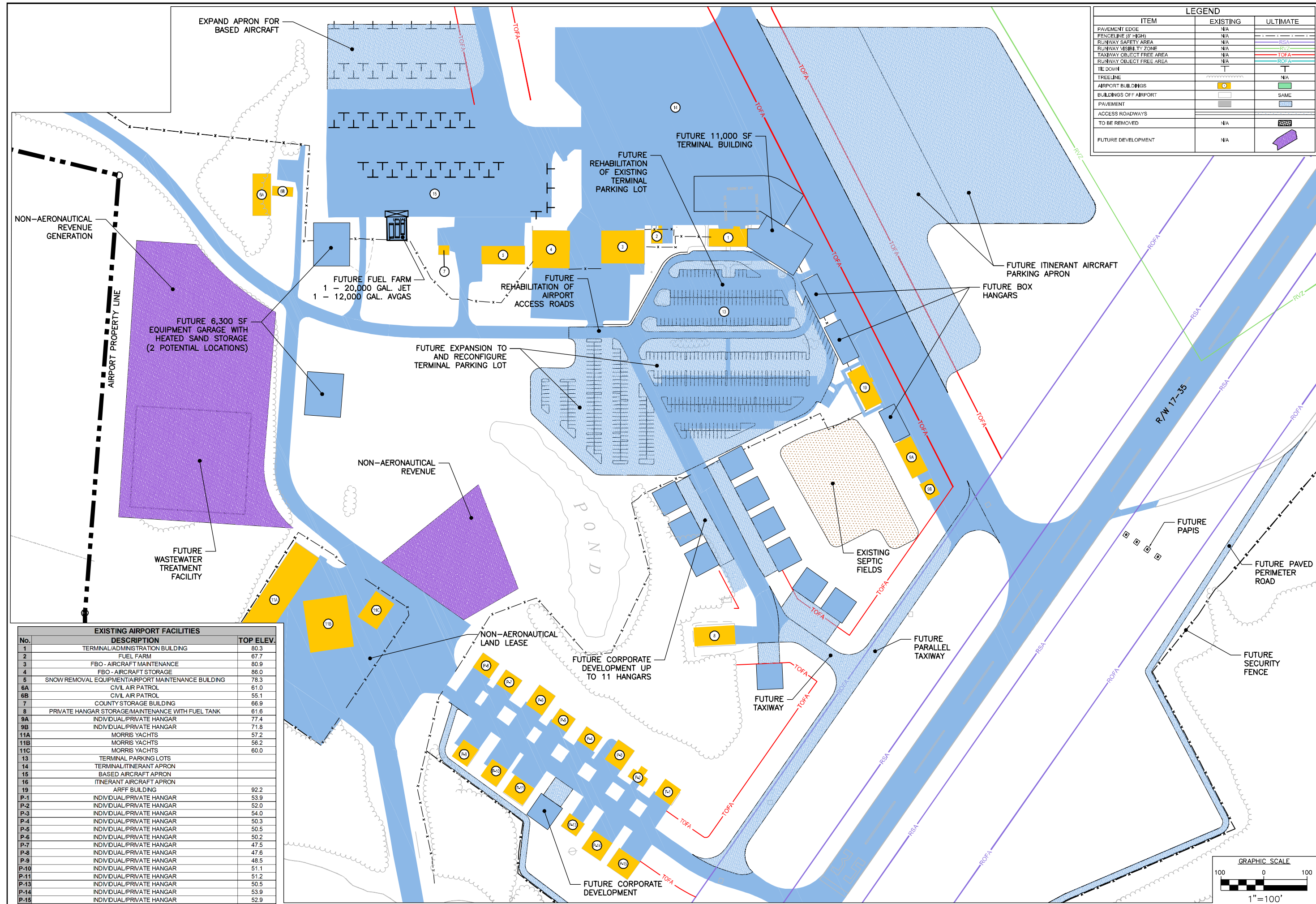
SHEET 4 OF 12

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DESIGNER: DR. BY: CHKD. BY: TLM DWH ERM

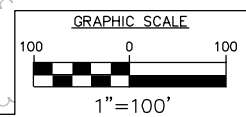
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HTA PROJ. No.: 030340
FILE: BHPAVES
AIP No.: AIP3-23-0006-30-2010



LEGEND		
ITEM	EXISTING	ULTIMATE
PAVEMENT EDGE	NA	---
FENCELINE (6'-HIGH)	NA	---
RUNWAY SAFETY AREA	NA	---
RUNWAY VISIBILITY ZONE	NA	---
TAXIWAY OBJECT FREE AREA	NA	---
RUNWAY OBJECT FREE AREA	NA	---
TIE DOWN	---	---
TREELINE	---	---
AIRPORT BUILDINGS	■	■
BUILDINGS OFF AIRPORT	■	■
PAVEMENT	■	■
ACCESS ROADWAYS	---	---
TO BE REMOVED	NA	---
FUTURE DEVELOPMENT	NA	■

No.	DESCRIPTION	TOP ELEV.
1	TERMINAL/ADMINISTRATION BUILDING	80.3
2	FUEL FARM	67.7
3	FBO - AIRCRAFT MAINTENANCE	80.9
4	FBO - AIRCRAFT STORAGE	86.0
5	SNOW REMOVAL EQUIPMENT/AIRPORT MAINTENANCE BUILDING	78.3
6A	CIVIL AIR PATROL	61.0
6B	CIVIL AIR PATROL	55.1
7	COUNTY STORAGE BUILDING	66.9
8	PRIVATE HANGAR STORAGE/MAINTENANCE WITH FUEL TANK	81.6
9A	INDIVIDUAL/PRIVATE HANGAR	77.4
9B	INDIVIDUAL/PRIVATE HANGAR	71.8
11A	MORRIS YACHTS	57.2
11B	MORRIS YACHTS	56.2
11C	MORRIS YACHTS	60.0
13	TERMINAL PARKING LOTS	
14	TERMINAL/ITINERANT APRON	
15	BASED AIRCRAFT APRON	
16	ITINERANT AIRCRAFT APRON	
19	ARFF BUILDING	92.2
P-1	INDIVIDUAL/PRIVATE HANGAR	53.9
P-2	INDIVIDUAL/PRIVATE HANGAR	52.0
P-3	INDIVIDUAL/PRIVATE HANGAR	54.0
P-4	INDIVIDUAL/PRIVATE HANGAR	50.3
P-5	INDIVIDUAL/PRIVATE HANGAR	50.5
P-6	INDIVIDUAL/PRIVATE HANGAR	50.2
P-7	INDIVIDUAL/PRIVATE HANGAR	47.5
P-8	INDIVIDUAL/PRIVATE HANGAR	47.6
P-9	INDIVIDUAL/PRIVATE HANGAR	48.5
P-10	INDIVIDUAL/PRIVATE HANGAR	51.1
P-11	INDIVIDUAL/PRIVATE HANGAR	51.2
P-13	INDIVIDUAL/PRIVATE HANGAR	50.5
P-14	INDIVIDUAL/PRIVATE HANGAR	53.9
P-15	INDIVIDUAL/PRIVATE HANGAR	52.9



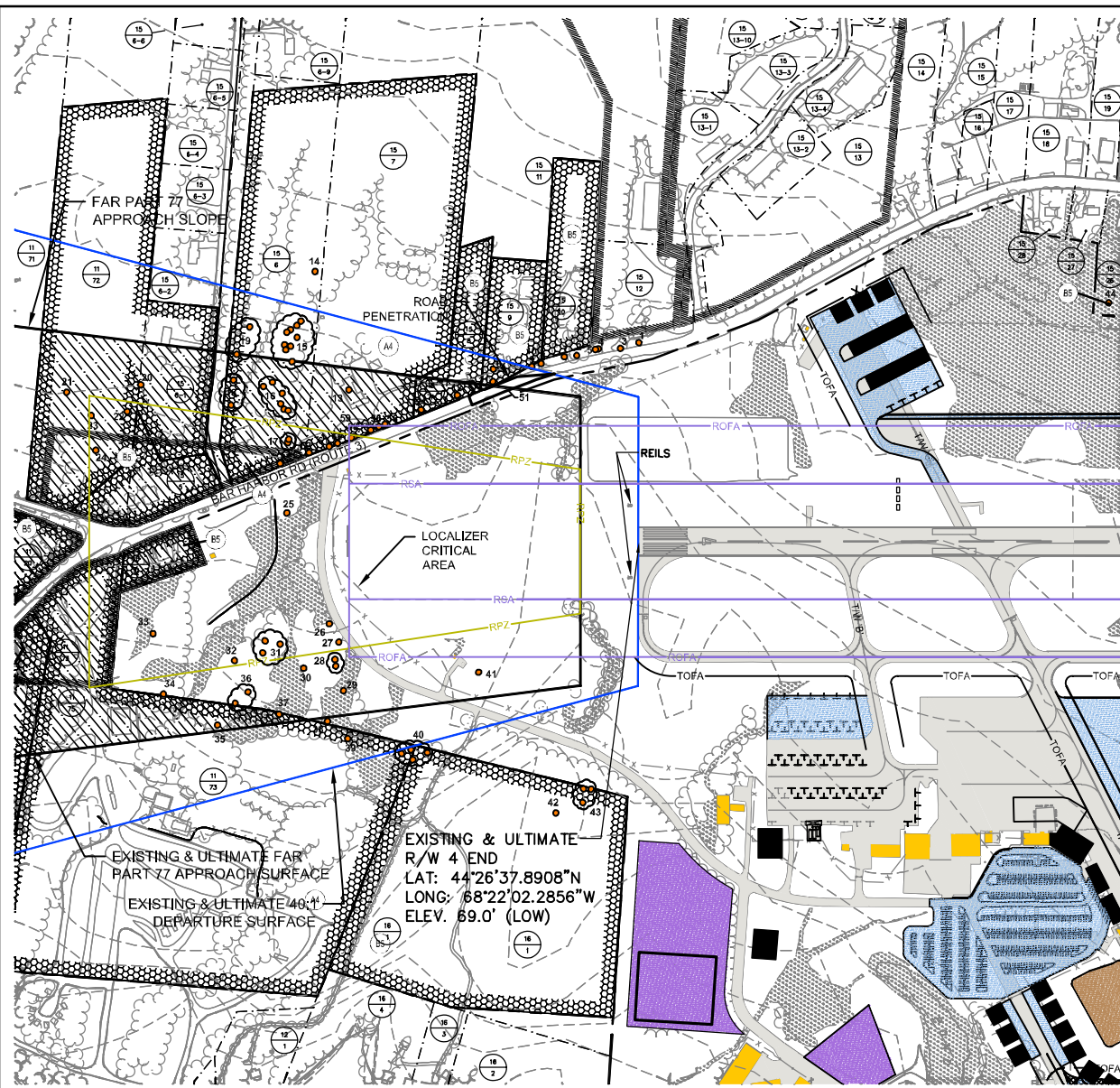
PROJECT DESIGNER
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 PROJECT: HANCOCK COUNTY, BAR HARBOR AIRPORT AIRPORT MASTER PLAN UPDATE
 DRAWING NO. **6**
 SHEET 6 OF 12

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 FILE: BHBTA01
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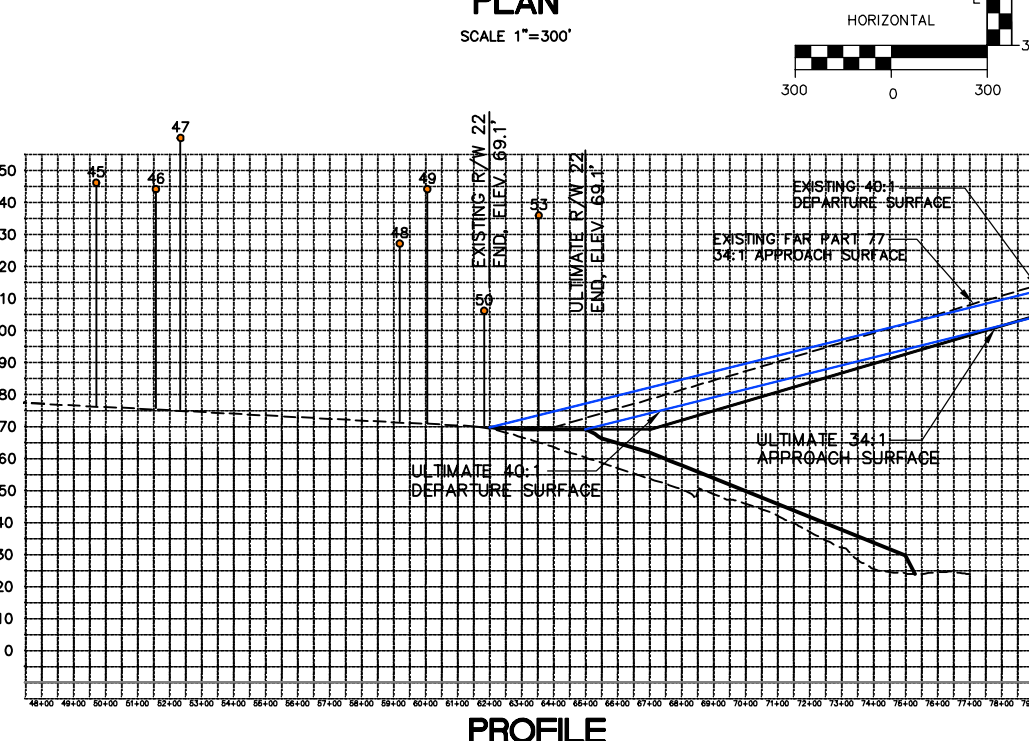
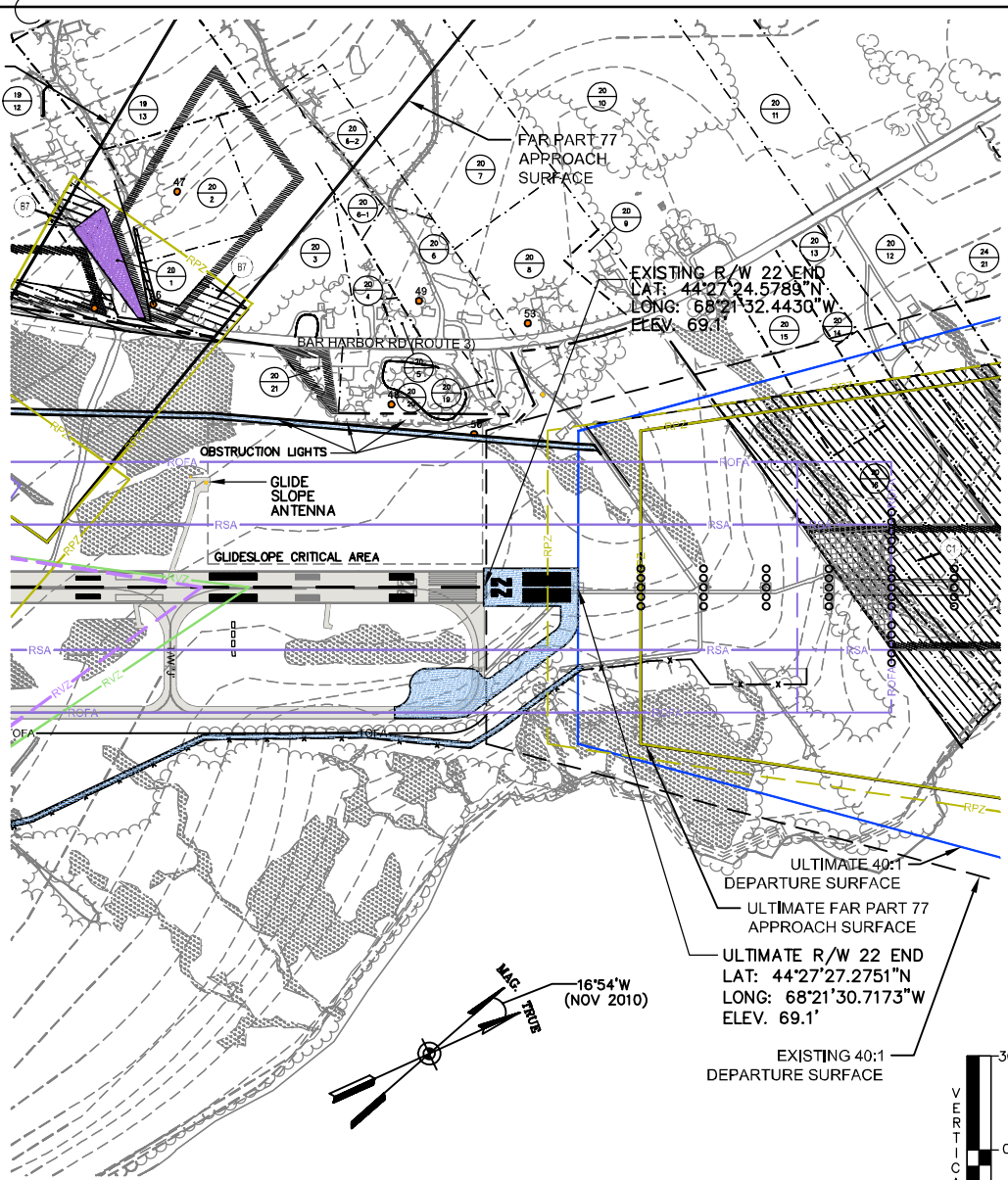


RUNWAY 4/22 OBSTRUCTION DISPOSITION CHART					FAR PART 77 APPROACH SURFACE
NO.	DESCRIPTION	TOP ELEVATION (MSL)	PART 77 HEIGHT	PENETRATION	DISPOSITION
*1	UTILITY POLE	106.84	96.02	+10.82	A
2	LARGE TREE	96.36	89.69	+6.68	B
*3	UTILITY POLE	106.21	93.23	+12.98	A
*4	UTILITY POLE	103.86	92.97	+10.89	A
*5	UTILITY POLE	103.86	92.69	+11.17	A
6	LARGE TREE	90.88	86.27	+4.61	A
*7	UTILITY POLE	104.2	89.65	+14.55	A
*8	UTILITY POLE	104	87.24	+16.76	A
*9	UTILITY POLE	103.86	86.14	+17.72	A
*10	UTILITY POLE	103.85	86.14	+17.71	A
*11	UTILITY POLE	102.41	80.30	+22.11	A
*12	UTILITY POLE	102.49	81.60	+20.89	A
13	BUILDING	94.71	92.63	+2.08	A
14	LARGE TREE	145.78	141.70	+4.07	B
15	LARGE TREES	VARIES	98 to 118	+4.6 to +27.2	B
16	LARGE TREES	VARIES	98 to 101	+9.4 to +41	B
17	LARGE TREES	VARIES	98 to 99	+1.2 to +1.9	B
18	LARGE TREES	VARIES	104 to 105	+16.9 to +19.4	B
19	LARGE TREES	VARIES	104 to 117	+0.8 to +12.1	B
20	LARGE TREE	115.59	113.83	+1.75	B
21	LARGE TREE	123.09	121.38	+1.71	B
22	LARGE TREE	120.86	115.22	+5.65	B
23	LARGE TREE	121.25	118.88	+2.36	B
24	LARGE TREE	124.32	118.42	+5.90	B
25	LARGE TREE	104.26	98.95	+5.31	B
26	LARGE TREE	98.87	94.63	+4.24	B
27	LARGE TREE	102.07	93.67	+8.40	B
28	LARGE TREES	VARIES	93 to 95	+11.5 to +12.2	B
29	LARGE TREE	94.87	93.20	+1.67	B
30	LARGE TREE	97.99	97.26	+0.73	B
31	LARGE TREES	VARIES	99 to 102	+7.8 to +12.3	B
32	LARGE TREES	111.46	104.30	+7.16	B
33	LARGE TREE	113.65	112.59	+1.06	B
34	LARGE TREE	114.3	111.53	+2.77	B
35	LARGE TREE	106.9	106.02	+0.88	B
36	LARGE TREES	VARIES	102 to 105	+3.3 to +6.6	B
37	LARGE TREE	102.72	99.75	+2.97	B
38	LARGE TREE	97.06	96.73	+0.33	B
39	LARGE TREE	106.9	104.47	+2.42	B
40	LARGE TREES	VARIES	107 to 113	+2.8 to +7.4	B
41	UTILITY POLE	79.45	79.45	+0.60	E
42	LARGE TREE	133.77	132.89	+0.88	B
43	LARGE TREES	VARIES	119 to 127	+8.5 to +20.2	B
44	TREE	158	115.60	42.4	B
45	TREE	148	113.40	34.6	C
46	TREE	146	119.30	26.7	C
47	TREE	162	136.20	25.8	C
48	TREE	129	81.10	47.9	D
49	TREE	144.2	128.30	15.9	D
50	TREE	108	69.10	38.9	D (ON AIRPORT)
51	ROADWAY	VARIES	76.28 TO 81.68	0 TO 4.52	D
53	TREE	136	125.00	11	D
*54	UTILITY POLE	101.36	85.28	+16.08	A
*55	UTILITY POLE	101.46	88.97	+12.49	A
*56	UTILITY POLE	101.68	89.60	+12.08	A
*57	UTILITY POLE	101.42	90.42	+11.00	A
*58	UTILITY POLE	100.89	92.11	+8.78	A
*59	UTILITY POLE	100.74	92.38	+8.36	A
*60	UTILITY POLE	101.77	93.80	+7.97	A
*61	UTILITY POLE	101.05	94.65	+6.40	A
*62	UTILITY POLE	99.98	96.70	+3.28	A
*63	UTILITY POLE	100.07	99.66	+0.41	A

DISPOSITION LEGEND

A	INSTALL OBSTRUCTION LIGHT
B	OBTAIN EASEMENT / CLEAR TREES
C	CLEAR TREE
D	NO ACTION REQUIRED (PROTECTED BY OBSTRUCTION LIGHTS)
E	NO ACTION REQUIRED

NOTE: NUMBERS MARKED WITH '*' ARE PROPOSED MDOT UTILITY POLES WITH OBSTRUCTION LIGHTS



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AIP No.: AIP3-23-0006-30-2010
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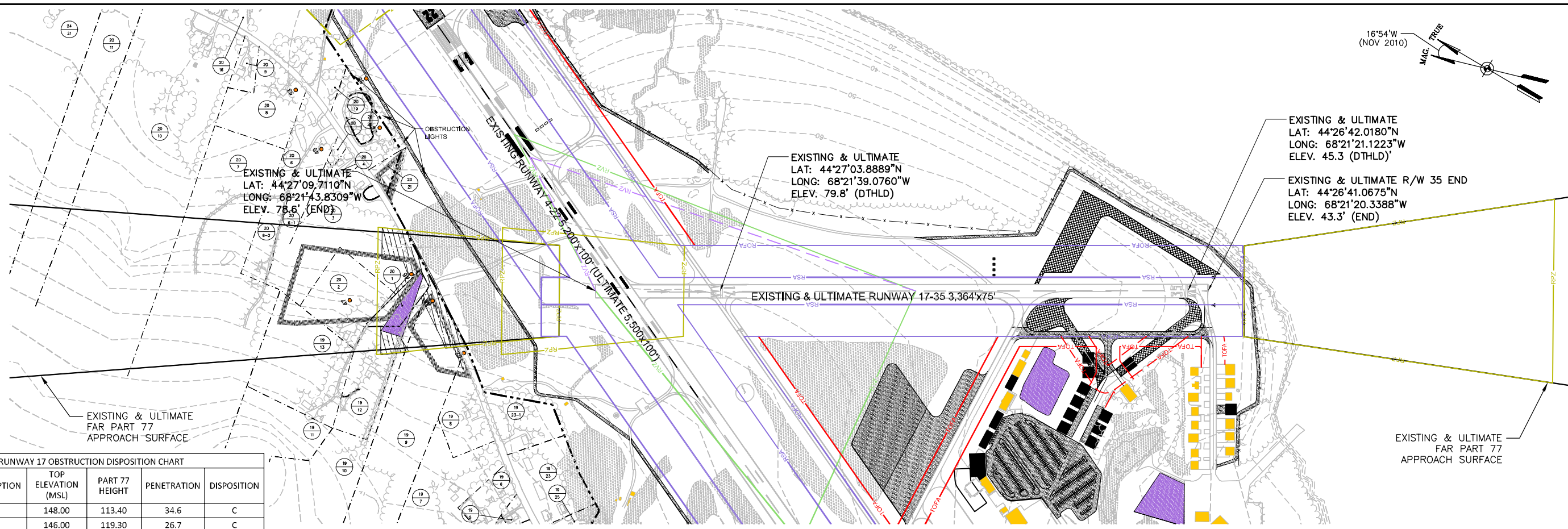
REVISIONS

REV. NO.	DATE	DESCRIPTION	BY

DES. BY: TLM
DR. BY: DWH
CHKD. BY: ERM

SCALE: AS SHOWN DATE: MAY, 2011

SHEET 7 OF 12



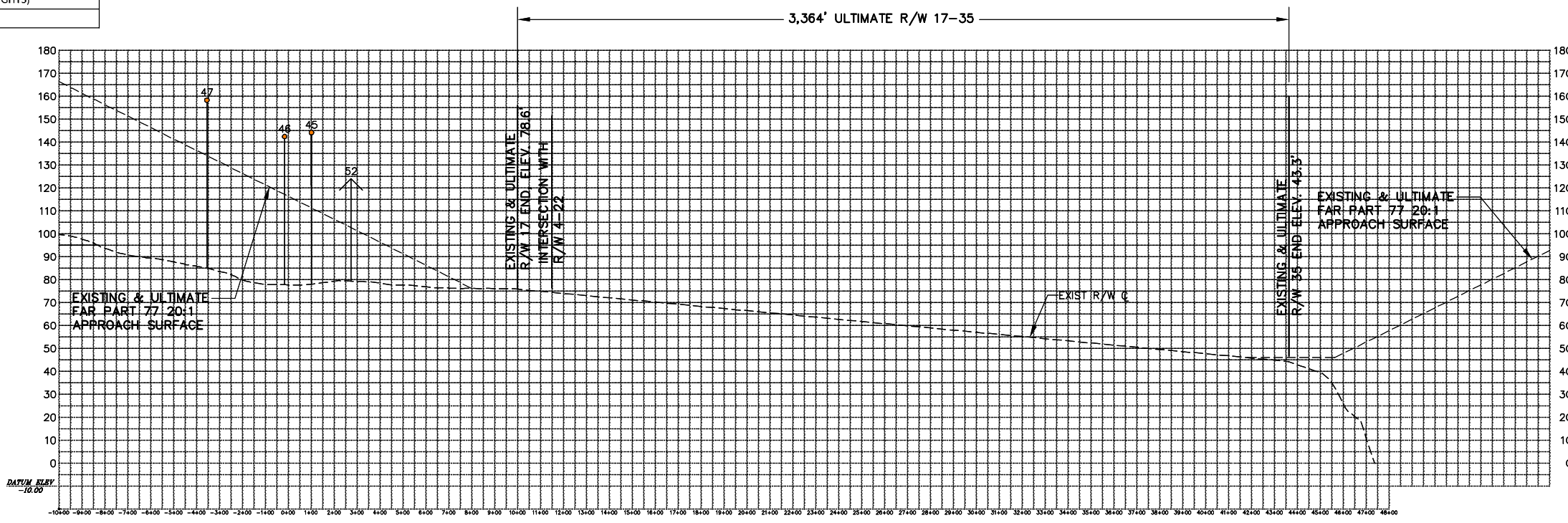
RUNWAY 17 OBSTRUCTION DISPOSITION CHART

NO.	DESCRIPTION	TOP ELEVATION (MSL)	PART 77 HEIGHT	PENETRATION	DISPOSITION
45	TREE	148.00	113.40	34.6	C
46	TREE	146.00	119.30	26.7	C
47	TREE	162.00	136.20	25.8	C
52	ROADWAY	109.00	110.60	13.4	E

DISPOSITION LEGEND

A	INSTALL OBSTRUCTION LIGHT
B	OBTAIN EASEMENT / CLEAR TREES
C	CLEAR TREE
D	NO ACTION REQUIRED (PROTECTED BY OBSTRUCTION LIGHTS)
E	NO ACTION REQUIRED

PLAN
SCALE 1"=300'



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

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DES. BY: TLM
CHKD. BY: ERM
DR. BY: DWH

SCALE: AS SHOWN DATE: MAY, 2011

REVISIONS

REV. NO.	DATE	DESCRIPTION	BY

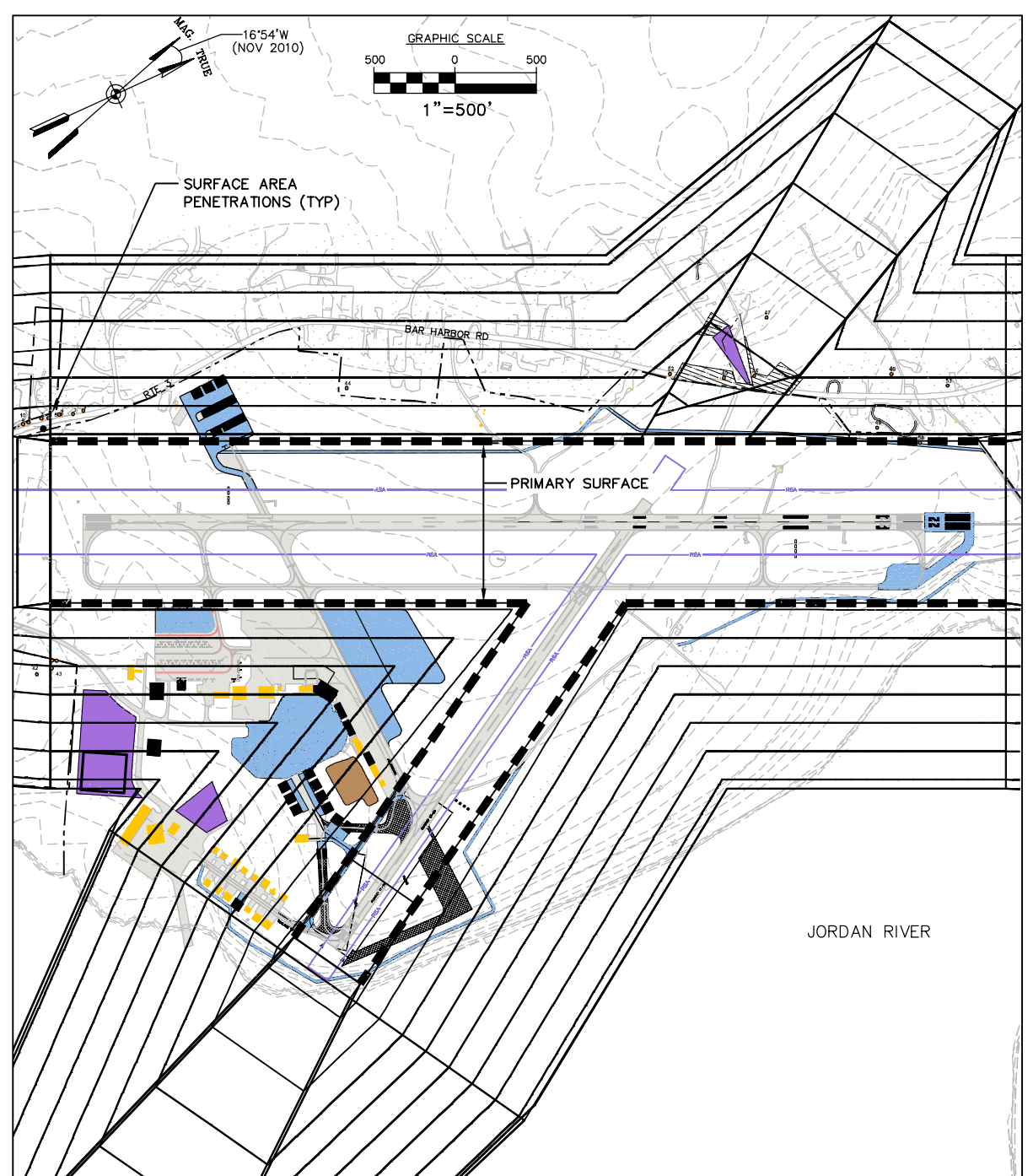
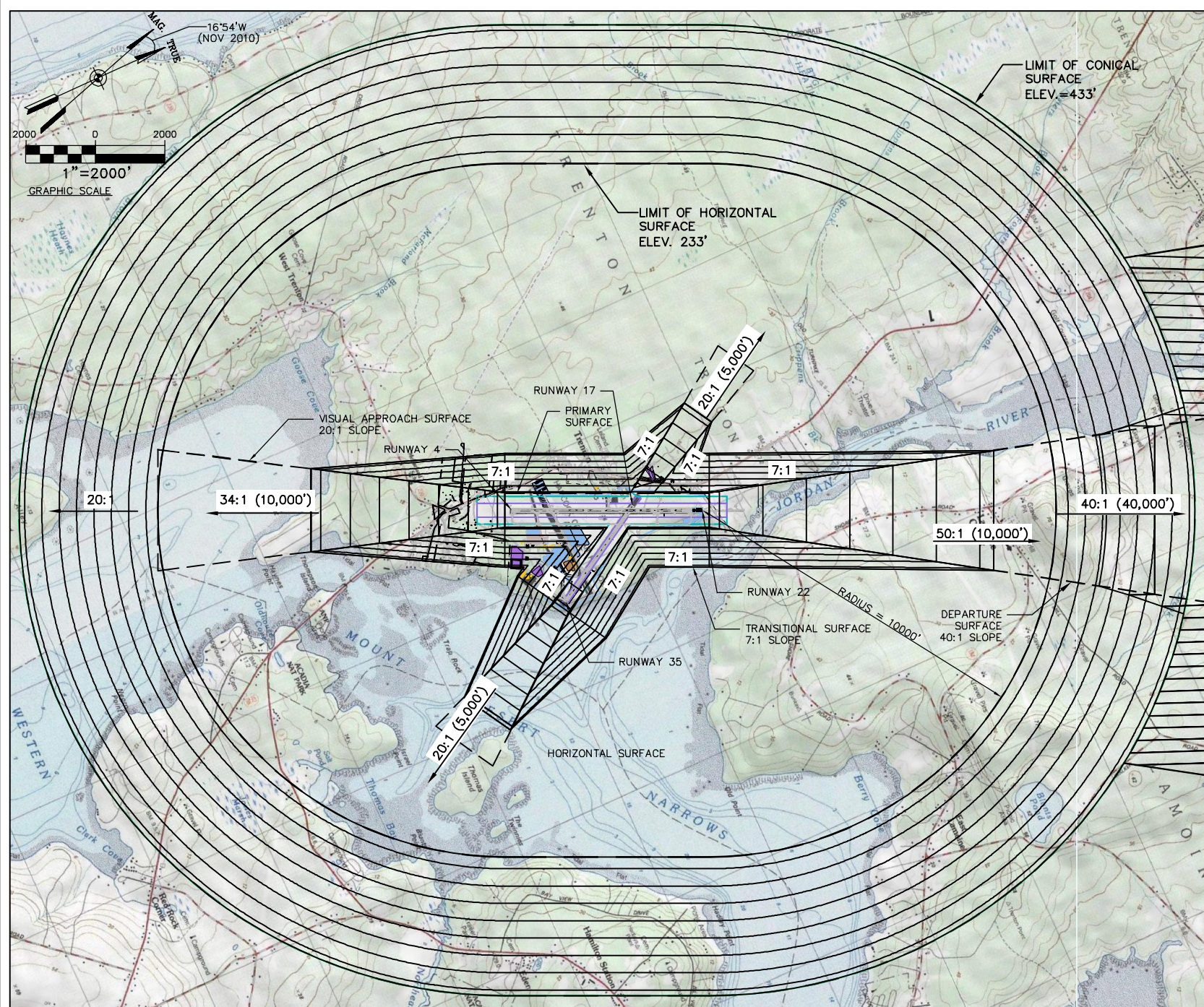
HANCOCK COUNTY, BAR HARBOR AIRPORT
AIRPORT MASTER PLAN UPDATE

RUNWAY 17-35
PLAN AND PROFILE

HTA PROJ. No.: 030340
FILE: BHBPLP17-35
AIP No.: AIP3-23-0006-30-2010
DRAWING NO. 8

SHEET 8 OF 12

Drawing name: H:\030340\Map\Master Plan\BHP17-35.dwg Jul 18, 2011 - 4:51pm



Existing and Future Part 77 Airspace Surfaces: Hancock County, Bar Harbor Airport (1)

Airport Data	Existing Runway 04	Ultimate Runway 04	Existing Runway 22	Ultimate Runway 22	Existing Runway 17	Ultimate Runway 17	Existing Runway 35	Ultimate Runway 35
Classification	Non-precision	Same	Precision	Same	Visual - Utility	Same	Visual - Utility	Non-precision - Utility
Approach	Non-precision	Same	Precision	Same	Visual	Same	Visual	Non-precision
Visibility Minimums	1 mile	Same	3/4 mile	3/4 mile	1 mile	Same	1 mile	Same
Airport Elevation (feet, MSL)	83							
Airport Imaginary Surface	Existing Runway 04	Future Runway 04	Existing Runway 22	Future Runway 22	Existing Runway 17	Future Runway 17	Existing Runway 35	Future Runway 35
Horizontal Surface:								
Horizontal Surface Elevation (feet, MSL)	233							
Horizontal Surface Radius	10,000	Same	10,000	Same	5,000	Same	5,000	Same
Conical Surface:								
Conical Surface Elevation (feet, MSL)	433							
Horizontal Distance	4,000							
Slope	20:1							
Primary Surface:								
Length beyond runway end	200	Same	200	Same	200	Same	200	Same
Width	1,000 (2)	Same	1,000 (2)	Same	250	Same (3)	250	500 (3)
Approach Surface:								
Horizontal Distance	10,000	Same	10,000 and 40,000 (4)	Same	5,000	Same	5,000	Same
Inner Edge Width	1,000	Same	1,000	Same	250	Same	250	500
Outer Edge Width	3,500	Same	16,000	Same	1,250	Same	1,250	2,000
Slope	34:1	Same	34:1 (4)	Same	20:1	Same	20:1	Same
Transitional Surfaces:	7:1	Same	7:1	Same	7:1	Same	7:1	Same

SOURCE: U.S. Department of Transportation, Federal Aviation Administration, Federal Aviation Regulation Part 77 - Obstacles Affecting Navigable Airspace, U.S. Government Printing Office, Washington, DC, 1975, pp. 6-7.

NOTES:

(1) Dimensions are in feet unless otherwise noted.

(2) The width of the primary surface of a runway is the width prescribed for the most precise approach for either end of that runway; therefore, the precision approach to Runway 22 also determines the primary surface width of 1,000 feet for Runway 04.

(3) Paragraph 2, the most precise approach for either end of Runway 17-35 in the future is that of a non-precision approach to Runway 35; therefore, the non-precision approach to Runway 35 determines the primary surface width of 500 feet for Runway 17.

(4) FAR Part 77's approach surface standards require a horizontal distance of 10,000 feet at a slope of 50 (horizontally) to 1 (vertically) with an additional 40,000 feet at a slope of 40 (horizontally) to 1 (vertically) for all precision instrument runways, such as Runway 22, a precision instrument approach runway with 3/4 mile visibility minimums. However, other operational surfaces, such as TERPS only, require a 34:1 approach surface.

Credit: USA Topo Maps, integrated from ESRI Basemap Server, credit provided below under terms of use:

This map presents land cover imagery for the world and detailed topographic maps for the United States. The map includes the National Park Service (NPS) Natural Earth physical map at 1.24km per pixel for the world at small scales, i-cubed eTOPO 1:250,000-scale maps for the contiguous United States at medium scales, and National Geographic TOPO! 1:100,000 and 1:24,000-scale maps (1:250,000 and 1:63,000 in Alaska) for the United States at large scales. The TOPO! maps are seamless, scanned images of United States Geological Survey (USGS) paper topographic maps. For more information on this map, visit us online at http://goto.arcgisonline.com/maps/USA_Topo_Maps

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LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CONICAL SURFACE		APPROACH SURFACE ABOVE HORIZONTAL SURFACE ELEVATION
	HORIZONTAL SURFACE		APPROACH SURFACE
	SURFACE ELEVATION CONTOUR		SURFACE PENETRATIONS (TREES)
	EXISTING CONTOUR		SURFACE PENETRATIONS (POLES)
	PRIMARY SURFACE		

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HANTON COUNTY, BAR HARBOR AIRPORT
AIRPORT MASTER PLAN UPDATE

FAR PART 77
AIRSPACE SURFACES

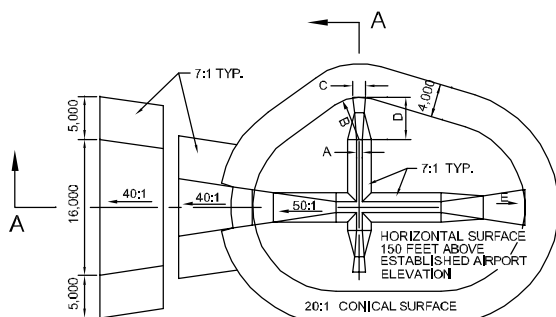
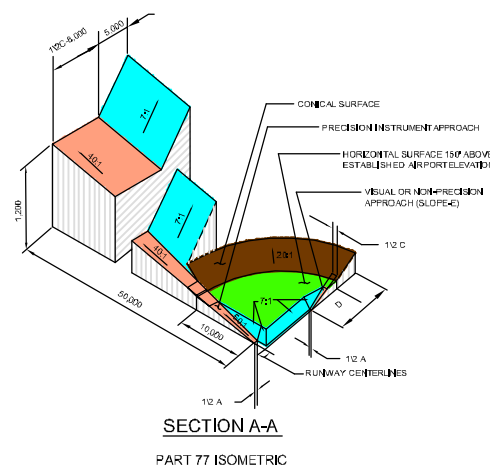
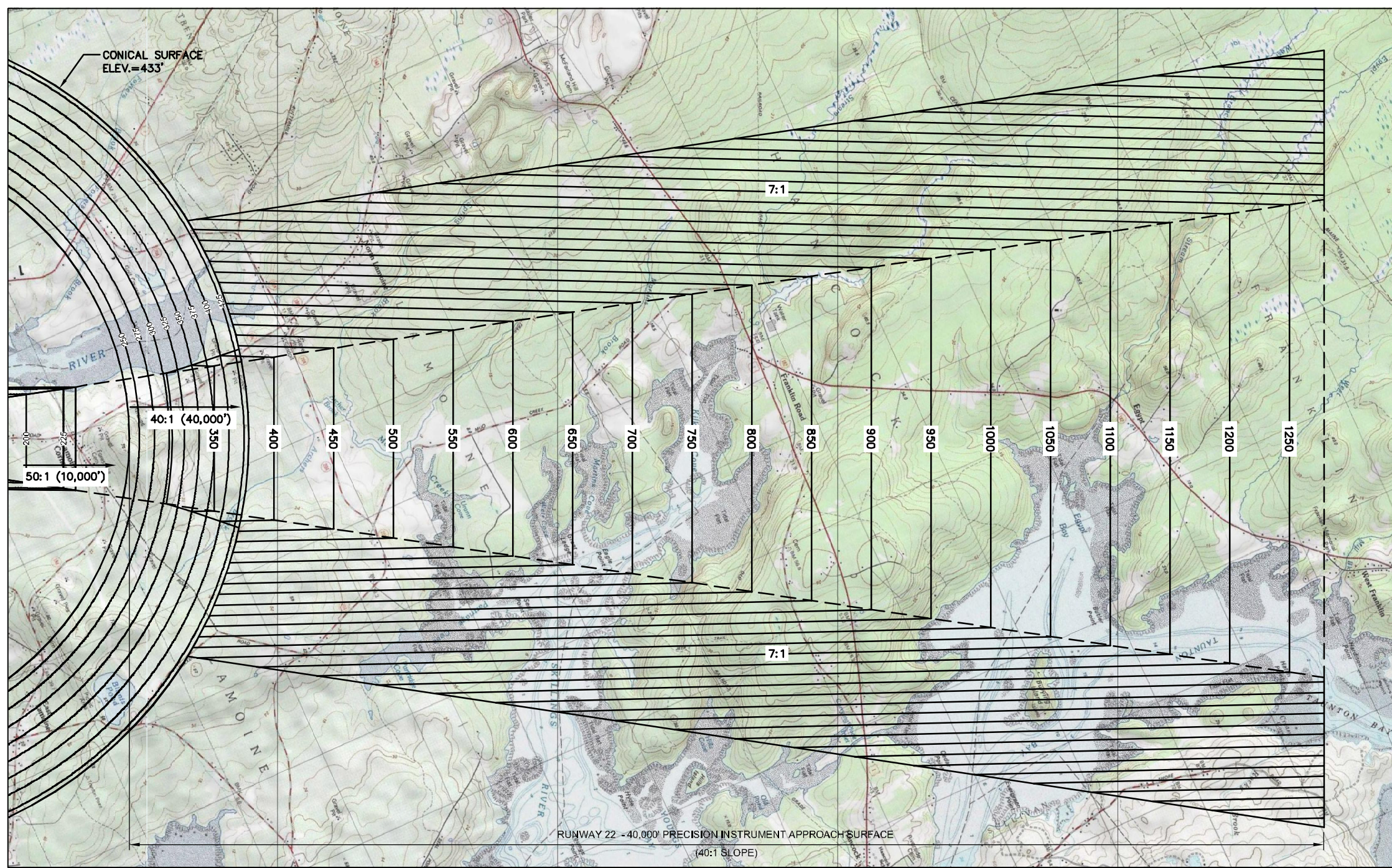
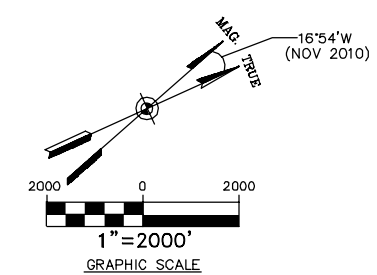
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AIP No.: AIP3-23-0006-30-2010
DRAWING NO. 9

SCALE: AS SHOWN DATE: MAY, 2011

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DESIGNER: TLM
CHECKER: DWH
ERECTOR: ERM

BY:



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

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
 * PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 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.

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CONICAL SURFACE		APPROACH SURFACE ABOVE HORIZONTAL SURFACE ELEVATION
	HORIZONTAL SURFACE		APPROACH SURFACE
	SURFACE ELEVATION CONTOUR		SURFACE PENETRATIONS (TREES)
	EXISTING CONTOUR		SURFACE PENETRATIONS (POLES)
	PRIMARY SURFACE		

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HANCOCK COUNTY, BAR HARBOR AIRPORT
 AIRPORT MASTER PLAN UPDATE

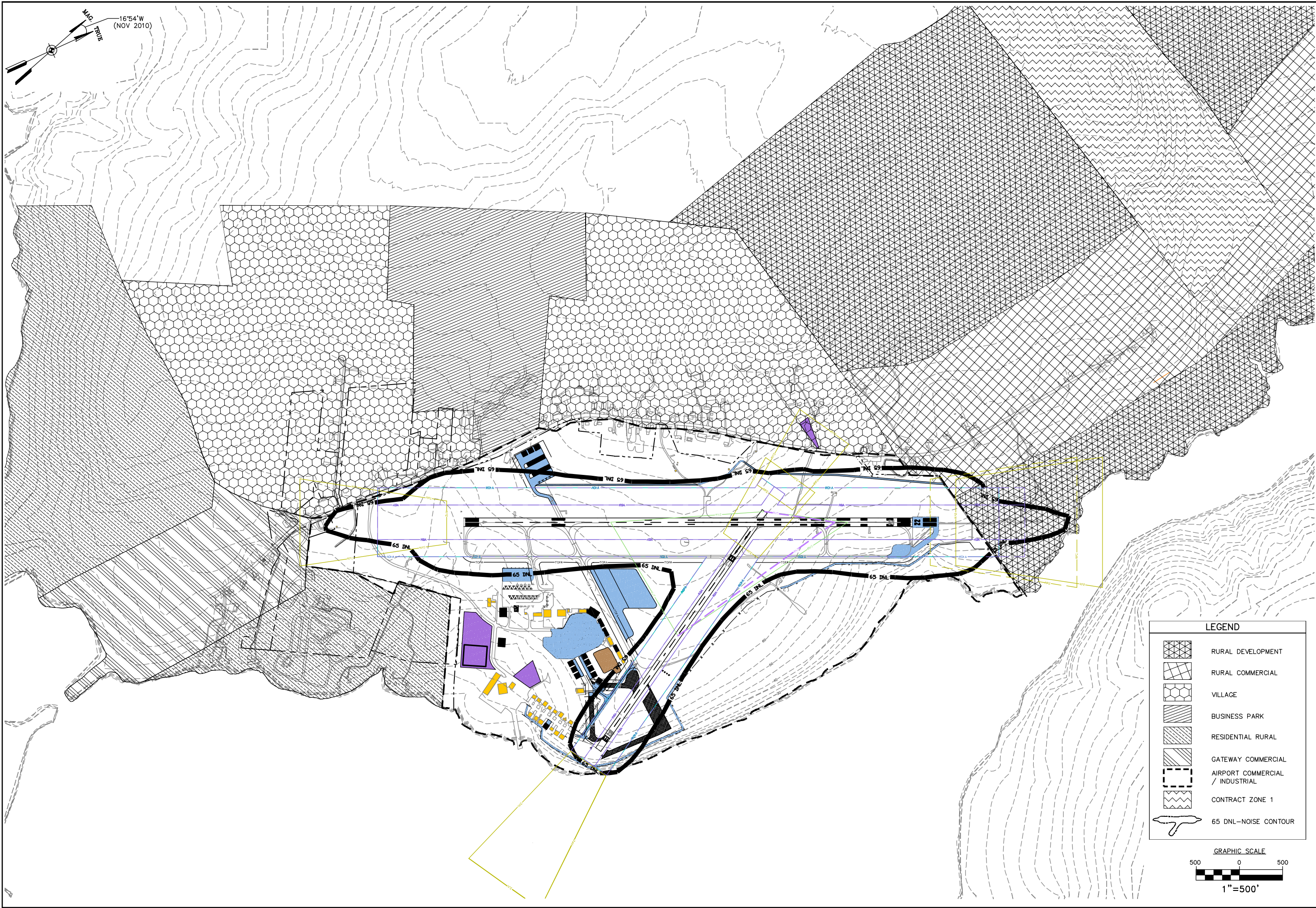
FAR PART 77
 AIRSPACE SURFACES
 SHEET 2 OF 2

HTA PROJ. No.: 030340
 FILE: BHP77
 AIP No.: AIP3-23-0006-30-2010
 DRAWING NO.
10
 SHEET 10 OF 12

REV. NO.	DATE	DESCRIPTION

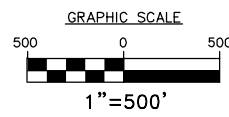
SCALE: AS SHOWN DATE: MAY, 2011

DES. BY: TLM
 DR. BY: DWH
 CHKD. BY: ERM



LEGEND

	RURAL DEVELOPMENT
	RURAL COMMERCIAL
	VILLAGE
	BUSINESS PARK
	RESIDENTIAL RURAL
	GATEWAY COMMERCIAL
	AIRPORT COMMERCIAL / INDUSTRIAL
	CONTRACT ZONE 1
	65 DNL-NOISE CONTOUR



PROJECT DESIGNER
Hoyle, Tanner & Associates, Inc.
 60 Dow Street
 Manchester, NH 03101-7227
 Tel 603-669-5555
 Fax 603-669-1168
 Web Page: www.hoyletanner.com
 Hoyle, Tanner & Associates © 2010

PROJECT
 HANCOCK COUNTY, BAR HARBOR AIRPORT
 AIRPORT MASTER PLAN UPDATE

SCALE: AS SHOWN DATE: MAY, 2011

LAND USE AREA ZONING AND NOISE CONTOUR PLAN

HTA PROJ. No.: 030340
 FILE: BHBLNDUSE
 AIP No.: AIP3-23-0006-30-2010
 DRAWING NO. **11**

SHEET 11 OF 12

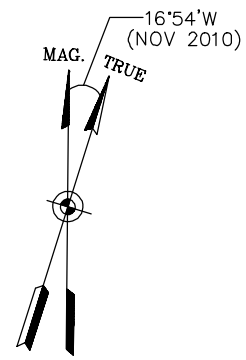
REV. NO.	DATE	DESCRIPTION	BY
1			

DES. BY	DR. BY	CHKD. BY	ERM
TLM	DWH		

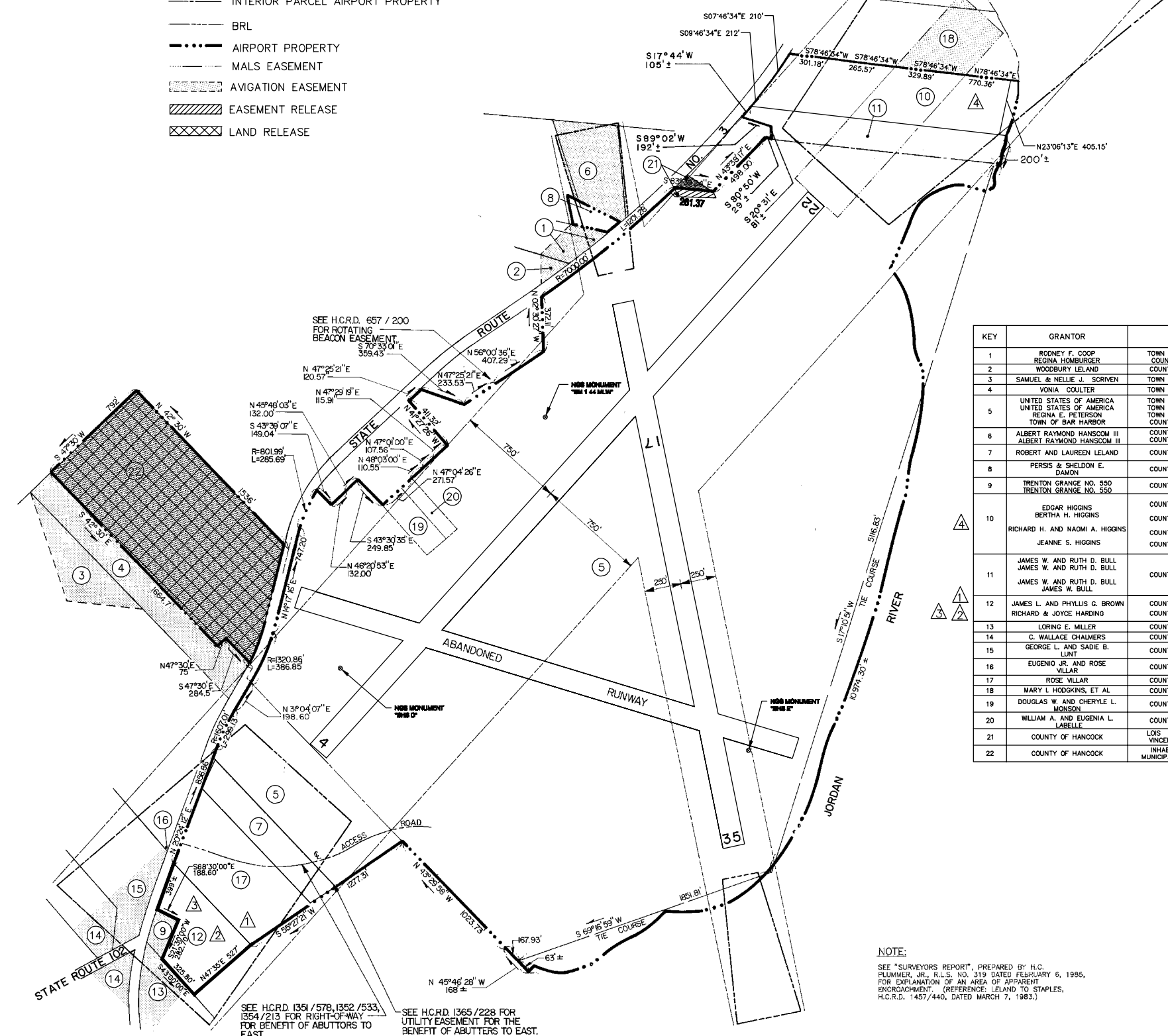
Drawing name: H:\030340\Map\Master Plan\BHLNDUSE.dwg Jul 19, 2011 - 9:58am

NAD83 MONUMENT DATA					
IDENTIFIER	SURVEY STATION NAME	PAGE OR BACK	LATITUDE	LONGITUDE	ELEVATION
"BM 144 MLW"	N08 PID-AB2809	PAGE	44°27'05.9980"	068°21'51.1888"	88.7
"BM 145 D"	N08 PID-AB2810	PAGE	44°28'44.8888"	068°22'02.7388"	72.6
"BM 146 E"	N08 PID-AB2811	PAGE	44°28'47.8888"	068°21'22.8888"	51.7

SOURCE: NATIONAL GEODETIC SURVEY, MAG 88 (2007), NAVD 83



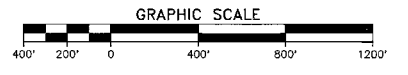
- LEGEND**
- ① KEY PARCEL NUMBER
 - RUNWAY PROTECTION ZONE
 - INTERIOR PARCEL AIRPORT PROPERTY
 - BRL
 - AIRPORT PROPERTY
 - MALS EASEMENT
 - AVIGATION EASEMENT
 - EASEMENT RELEASE
 - LAND RELEASE



KEY	GRANTOR	GRANTEE	INST.	ACRES	H.C.R.D. BK / PG	DATE	FAA PROJECT NUMBER	REMARKS
1	RODNEY F. COOP REGINA HOMBURGER	TOWN OF BAR HARBOR COUNTY OF HANCOCK	EASEMENT		887/401 1100/187	8/1/42 4/14/70	89-17-018-02	CLEARING & AVIGATION AVIGATION ONLY
2	WOODBURY LELAND	COUNTY OF HANCOCK	EASEMENT	0.75	687/402	8/1/42		CLEARING AVIGATION
3	SAMUEL & NELLIE J. SCRIVEN	TOWN OF BAR HARBOR	EASEMENT	2.12	694/506	10/22/43	9-17-018-0701	CLEARING AVIGATION
4	VONIA COULTER	TOWN OF BAR HARBOR	EASEMENT		694/508	2/25/44	9-17-018-0701	CLEARING AVIGATION
5	UNITED STATES OF AMERICA REGINA E. PETERSON TOWN OF BAR HARBOR	TOWN OF BAR HARBOR COUNTY OF HANCOCK	AGREE ACREE FEE	NOT GIVEN NOT GIVEN NOT GIVEN	714/247 723/58 800/239 975/98	11/20/47 6/22/48 5/1/57 3/20/62	FAAP 9-17-018-0701	SUPPLEMENTAL TRACTS 1-17
6	ALBERT RAYMOND HANSCOM III ALBERT RAYMOND HANSCOM III	COUNTY OF HANCOCK	EASEMENT		1079/736 1100/188	2/1/62 4/14/70	ADAP 71-1-8-23-0006-01-71	CLEARING AVIGATION
7	ROBERT AND LAUREN LELAND	COUNTY OF HANCOCK	FEE	5	1068/289	7/19/68	FAAP 9-17-018-C803	SUPERCEDES EASEMENT TO EVALINA WALKER
8	PERDIS & SHELDON E. DAMON	COUNTY OF HANCOCK	FEE	71,053 SF.	1067/421	9/13/68	ADAP 6-23-0006-01	
9	TRENTON GRANGE NO. 550 TRENTON GRANGE NO. 550	COUNTY OF HANCOCK	EASEMENT		1089/197 1110/193	11/25/69 4/14/70	FAAP 9-17-018-C803 FAAP 9-17-018-C803	CLEARING, AVIGATION & ROW AVIGATION
10	EDGAR HIGGINS BERTHA H. HIGGINS RICHARD H. AND NAOMI A. HIGGINS JEANNE S. HIGGINS	COUNTY OF HANCOCK COUNTY OF HANCOCK COUNTY OF HANCOCK COUNTY OF HANCOCK	EASEMENT EASEMENT EASEMENT FEE	5	1110/186 1221/202 1452/496 5240/155	4/14/70 6/28/75 12/13/82 6/25/09	FAAP 9-17-018-C803 ADAP 6-23-0006-07 A.I.P. NO. 3-25-0006-28	AVIGATION CLEARING, AIRSPACE, APPROACH LIGHTS RIGHT OF WAY, UTILITIES AVIGATION & ROW
11	JAMES W. AND RUTH D. BULL JAMES W. AND RUTH D. BULL JAMES W. BULL	COUNTY OF HANCOCK	EASEMENT EASEMENT FEE	2.5 7.5 7.5	1110/185 1227/295 1452/31 2287/315	4/14/70 7/15/75 12/1/82 8/12/84	FAAP 9-17-018-C803 ADAP 6-23-0006-07 A.I.P. NO. 3-25-0006-07	AVIGATION AIRSPACE, APPROACH LIGHTS RIGHT OF WAY, UTILITIES, CLEARING
12	JAMES L. AND PHYLLIS G. BROWN RICHARD & JOYCE HARDING	COUNTY OF HANCOCK COUNTY OF HANCOCK	EASEMENT FEE	7.09 ac	1110/192 4797/168-169	4/14/70 6/29/07	FAAP 9-17-018-C803 A.I.P. NO. 3-25-0006-21	AVIGATION
13	LORING E. MILLER	COUNTY OF HANCOCK	EASEMENT		1110/195	4/14/70	FAAP 9-17-018-C803	AVIGATION
14	C. WALLACE CHALMERS	COUNTY OF HANCOCK	EASEMENT		1110/198	4/14/70	FAAP 9-17-018-C803	AVIGATION
15	GEORGE L. AND SADIE B. LUNT	COUNTY OF HANCOCK	EASEMENT		1110/194	4/14/70	FAAP 9-17-018-C803	AVIGATION
16	EUGENIO JR. AND ROSE VILLAR	COUNTY OF HANCOCK	EASEMENT		1110/190	4/14/70	FAAP 9-17-018-C803	AVIGATION
17	ROSE VILLAR	COUNTY OF HANCOCK	FEE	12.02	1184/276	3/28/73	FAAP 9-17-018-C803	
18	MARY L. HODGKINS, ET AL	COUNTY OF HANCOCK	EASEMENT	4.98 ac	1221/215	6/27/76	FAAP 9-17-018-C803	AIRSPACE, APPROACH LIGHTS, ROW
19	DOUGLAS W. AND CHERYLE L. MONSON	COUNTY OF HANCOCK	FEE	1.74	1364/281	11/7/79	ADAP 6-23-0006-06	
20	WILLIAM A. AND EUGENIA L. LASELLE	COUNTY OF HANCOCK	FEE	1.11	1364/283	11/8/79	ADAP 6-23-0006-06	
21	COUNTY OF HANCOCK	LOIS L. JACQUES AND VICENZA L. JACQUES	EASEMENT	0.36	2695/454	9/9/97		EASEMENT RELEASE SWAP FOR AVIGATION EASEMENT
22	COUNTY OF HANCOCK	INHABITANTS OF THE MUNICIPALITY OF TRENTON	FEE	29+	2734/74	5/9/98		FAA APPROVAL 3/25/98 AVIGATION EASEMENT RETAINED

EXHIBIT "A"
HANCOCK COUNTY
BAR HARBOR AIRPORT
TRENTON, MAINE

SCALE: 1" = 400' SEPT. 2, 2003



NOTE:
SEE "SURVEYORS REPORT", PREPARED BY H.C. PLUMMER, JR., R.L.S. NO. 319 DATED FEBRUARY 6, 1985, FOR EXPLANATION OF AN AREA OF APPARENT ENCROACHMENT. (REFERENCE: LELAND TO STAPLES, H.C.R.D. 1457/440, DATED MARCH 7, 1983.)

REV	DATE	DESCRIPTION	C/O	DR	CK
4	8/04/09	ACQUIRE HIGGINS		J.C.	K.F.
3	7/16/08	ACQUIRE HARDING		J.C.	K.F.
2	6/13/08	UPDATE KEY 12 TO HARDING		J.C.	K.F.
1	4/25/06	UPDATE BROWN PROPERTY KEY 12		J.C.	K.F.

THOMAS F. MORAN INC.
 11 Commerce Park North
 1122 Highway 101
 03063-1001
 603-669-5555
 www.thomasmoran.com

Hoyle, Tanner & Associates, Inc.
 Five Commerce Park North · Bedford, NH 03102 · (603) 669-5555
 HIA Companies
 engineers architects planners surveyors



U.S. Department of Transportation

Federal Aviation Administration

September 04, 2012

Hancock County
50 STATE ST, STE 7
Ellsworth, ME 04605

RE: (See attached Table 1 for referenced case(s))
FINAL DETERMINATION

Table 1 - Letter Referenced Case(s)

ASN	Prior ASN	Location	Latitude (NAD83)	Longitude (NAD83)	AGL (Feet)	AMSL (Feet)
2011-ANE-375-NRA		BAR HARBOR, ME	44-26-59.17N	68-21-41.64W	0	83

The proposed change to your currently approved Airport Layout Plan (ALP) submitted, has been reviewed under the authority of Federal Aviation Regulation (FAR) Part 77 and under the requirements of the Terms and Conditions of Accepting Airport Improvement Program Grants dated September 1, 1999. This review has considered the safety and utility of aircraft operations and planned navigational aids as related to this proposal.

The proposal does not exceed any federal obstruction standard, however the following conditions need to be met for the Federal Aviation Administration (FAA) to have no objections to the proposed development. [All construction of pavement, buildings, or other facilities must submit FAA form 7460 at least 90 days prior to construction.

All development must review current environmental requirements prior to construction or placement of the Airport Capital Improvement Plans.

- 1-Runway 4/22 The proposed 300' extension will require the glide slope (GS) and collocated ASOS facility to be relocated forward approximately the same distance. Additionally, the associated critical area will need to be re-established based on new Runway 22 GS location. The extension to Runway 4/22 will require new approaches. Please plan and coordinate with Flight Procedures at least 18 months in advance. Upgrading MALSF to MALSR may improve visibility from 3/4 to 1/2 mile as long as the 34:1 and 20:1 surfaces are clear.
- 2- Runway 35- RNAV(GPS) will require vertical guidance (VG) survey for determining the feasibility and minima for a LPV/RNAV-VNAV approach. This survey can be requested to be performed by FAA when submitting the request for the development of the approach.

The proposed development is consistent with the known existing and forecasted future needs of the airport. Approval of the ALP does not include or imply FAA approval of federal funding for any of the proposed development.

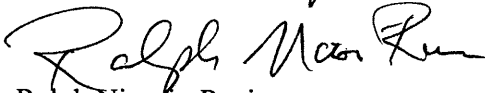
This study did not evaluate the plans for operational safety during construction. Those plans should be submitted to this office for coordination and review prior to construction.

This determination does not include any environmental analysis or environmental approval for this proposal. All local and state requirements and/or permits must be obtained to prior to construction of this proposal.

This determination does not include approval of any lease, does not release any surplus or grant agreement acquired airport property, nor does it relieve the airport owner or the proponent of compliance with FAR, Part 155, or any other law, ordinance, or regulation of federal, state, or local government body or organization. Furthermore, the design and location of any stormwater retention/detention facilities on or near the airport must comply with FAA Advisory Circular 150/5200-33 "Hazardous Wildlife Attractants on or Near Airports", and must be approved on the ALP prior to construction.

We look forward to working with you in the continued development of your airport. If you have any questions, please contact me at (781) 238-7612, ralph.nicosia-rusin@faa.gov.

ALP approval by



Ralph Nicosia-Rusin
DivUser