MODIFICATIONS OF DESIGN STANDARDS

NO.	STANDARD MODIFIED	FAA STANDARDS	EXISTING CONDITIONS	PROPOSED ACTION	DATE APPROVED
1	INTERIM RUNWAY 4-22 OBJECT FREE AREA	800' X 1,000'	800' X 350'	TEMPORARY WAIVER	7-13-2008
2	INTERIM RUNWAY 22 PROTECTION ZONE	AIRPORT INTEREST/OWNERSHIP	PARTIAL EASEMENT/OWNERSHIP	TEMPORARY WAIVER	7-13-2008

FACILITIES TABLE

EXISTING			FUTURE		
#	FACILITY NAME	TOP ELEV.	#	FACILITY NAME	PHASE
1	GENERAL AVIATION TERMINAL (TBR)	98.0'	40	CONVENTIONAL HANGAR	I
2	EAST COAST FLIGHT SERVICES	92.0'	41	CONVENTIONAL HANGAR	I
3	AIR REPAIR	98.6'	42	CONVENTIONAL HANGAR	I
4	AERO SERVICES	86.3'	43	T-HANGAR	I
5	HANGAR ASSOCIATES (SAFARI JET)	95.1'	44	T-HANGAR	I
6	CLARK TRANSPORTATION CENTER	84.6'	45	T-HANGAR	I
7	ALLIED TRAILERS	91.5'	46	T-HANGAR	I
8	EASTON JET SERVICES	91.1'	47	T-HANGAR	I
9	MD DNR POLICE	82.9'	48	T-HANGAR	I
10	EAST COAST FLIGHT SERVICES (OFFICES)	87.6'	49	AVIATION MUSEUM / HANGAR	I
11	AERO SERVICES	83.7'	50	T-HANGAR	I
12	T-HANGAR A (10 UNIT)	74.8'	51	CONVENTIONAL HANGAR	I
13	T-HANGAR B (12 UNIT)	75.6'	52	CONVENTIONAL HANGAR	I
14	T-HANGAR C (10 UNIT)	76.9'	53	CONVENTIONAL HANGAR	I
15	T-HANGAR D (10 UNIT)	76.0'	54	CONVENTIONAL HANGAR	I
16	T-HANGAR E (10 UNIT)	76.9'	55	CONVENTIONAL HANGAR	I
17	T-HANGAR F (8 UNIT)	77.0'	56	FUTURE GA TERMINAL	III
18	T-HANGAR G (10 UNIT)	74.4'	57	CONVENTIONAL HANGAR	III
19	T-HANGAR H (10 UNIT)	74.2'	58	T-HANGAR (10 UNIT)	ULT
20	T-HANGAR I (10 UNIT)	73.8'	59	T-HANGAR (12 UNIT)	ULT
21	MEDSTAR HANGAR	75.5'	60	AIR SERVICE TERMINAL BUILDING	ULT
22	EMS FACILITY	71.9'	61	CONVENTIONAL HANGAR (1 OF 2)	ULT
23	EMS STORAGE	72.3'	62	CONVENTIONAL HANGAR (2 OF 2)	ULT
24	AIRFIELD MAINTENANCE	67.2'	63	CONVENTIONAL HANGAR	ULT
25	MAINTENANCE SHED	67.2'			
26	FUEL FARM	83.4'			
27	AIR TRAFFIC CONTROL TOWER	125.5			
28	CONVENTIONAL HANGAR	87.3'			
29	CLARK HANGAR	85.0'			

LEGEND

EXISTING	DESCRIPTION	FUTURE
	AIRPORT PROPERTY LINE	
	AIRFIELD PAVEMENT	SHADED FOR PHASE
N/A	PAVMENT/BUILDINGS TO BE REMOVED	
RSA	RUNWAY SAFETY AREA (RSA)	RSA
ROFA	RUNWAY OBJECT FREE AREA (ROFA)	ROFA
POFZ	PRECISION OBSTACLE FREE ZONE (POFZ)	POFZ
	RUNWAY PROTECTION ZONE (RPZ)	
TOFA	TAXIWAY OBJECT FREE AREA (TOFA)	TOFA
	PROPERTY INTEREST	
N/A	LAND ACQUISITION	
	ROTATING BEACON	N/A
RVZ	RUNWAY VISIBILITY ZONE	RVZ
ARP	AIRPORT REFERENCE POINT	ARP
	AIRPORT BUILDINGS	SHADED FOR PHASE
	AIRPORT FENCING	
	GLIDESLOPE/LOCALIZER CRITICAL AREA	
60	GROUND ELEVATION CONTOURS	N/A
	REILS	
4 BOX 2 BOX	PAPI	4 BOX
	THRESHOLD LIGHTS	
	OBSTRUCTION LIGHTS	N/A

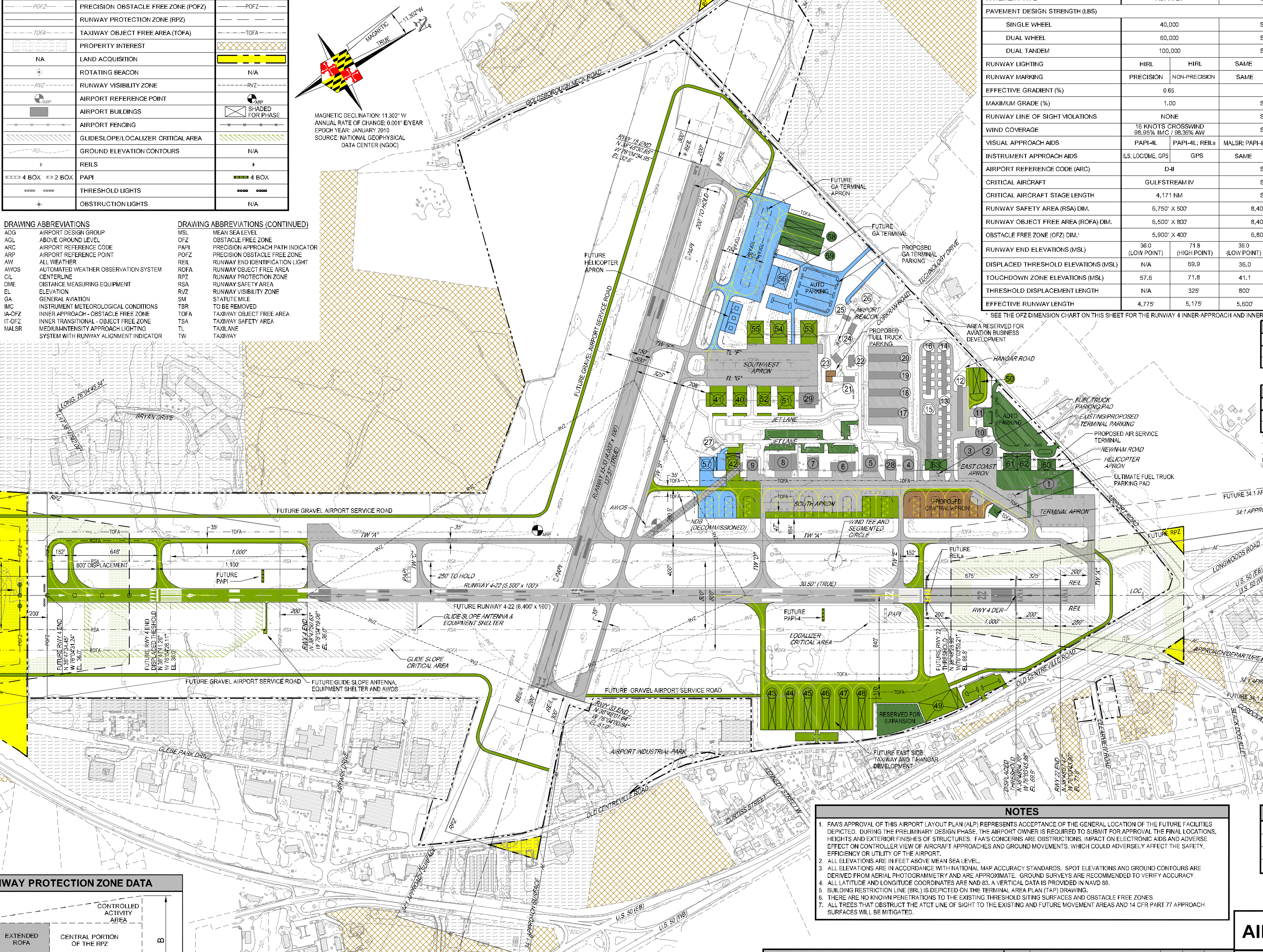
DRAWING ABBREVIATIONS
ADG AIRPORT DESIGN GROUP
AGL ABOVE GROUND LEVEL
ARC AIRPORT REFERENCE CODE
ARP AIRPORT REFERENCE POINT
AW ALL WEATHER
AWOS AUTOMATED WEATHER OBSERVATION SYSTEM
C/L CENTERLINE
DME DISTANCE MEASURING EQUIPMENT
EL ELEVATION
GA GENERAL AVIATION
IMC INSTRUMENT METEOROLOGICAL CONDITIONS
IA-OFZ INNER APPROACH - OBSTACLE FREE ZONE
IT-OFZ INNER TRANSITIONAL - OBJECT FREE ZONE
MALSR MEDIUM-INTENSITY APPROACH LIGHTING SYSTEM WITH RUNWAY ALIGNMENT INDICATOR

DRAWING ABBREVIATIONS (CONTINUED)
MSL MEAN SEA LEVEL
OFZ OBSTACLE FREE ZONE
PAPI PRECISION APPROACH PATH INDICATOR
POFZ PRECISION OBSTACLE FREE ZONE
REIL RUNWAY END IDENTIFICATION LIGHT
ROFA RUNWAY OBJECT FREE AREA
RPZ RUNWAY PROTECTION ZONE
RSA RUNWAY SAFETY AREA
RVZ RUNWAY VISIBILITY ZONE
SM STATUTE MILE
TBR TO BE REMOVED
TOFA TAXIWAY OBJECT FREE AREA
TSA TAXIWAY SAFETY AREA
TL TAXILANE
TW TAXIWAY

OBSTACLE FREE ZONE (OFZ) DIMENSIONS

RUNWAY OBSTACLE FREE ZONE (EX. AND FUTURE RUNWAYS 15/33 & 4/22)	
LENGTH BEYOND STOP END	200'
WIDTH	400'
FUTURE RUNWAY 4 INNER-APPROACH OFZ	
INNER-APPROACH SLOPE	50:1
INNER-APPROACH WIDTH	400'
INNER-APPROACH LENGTH BEYOND APPROACH LIGHT SYSTEM	200'
INNER-APPROACH LENGTH BEYOND RUNWAY OFZ END	2,400'
FUTURE RUNWAY 4 INNER-TRANSITIONAL OFZ	
INNER TRANSITIONAL HEIGHT (H)	42.65
DISTANCE (Y) FROM RWY C/L TO END OF 5:1 SLOPE	524.45'
TRANSITIONAL SURFACE HEIGHT AT END OF 5:1 SLOPE	107.54
DISTANCE BEYOND (Y) TO INTERCEPT HORIZ AT 6:1 SLOPE	212.29'
OVERALL DISTANCE FROM RWY C/L AT ROFZ STOP END TO THE IT-OFZ AT THE INTERSECTION OF THE HORIZONTAL SURFACE	736.74'

MAGNETIC DECLINATION: 11.302° W
ANNUAL RATE OF CHANGE: 0.001° E/YEAR
EPOCH YEAR: JANUARY 2010
SOURCE: NATIONAL GEOPHYSICAL DATA CENTER (NGDC)



RUNWAY DATA TABLE

DESCRIPTION	RUNWAY 4/22 EXISTING RWY 4	RUNWAY 4/22 EXISTING RWY 22	RUNWAY 4/22 FUTURE RWY 4	RUNWAY 4/22 FUTURE RWY 22	RUNWAY 15/33 EXISTING RWY 15	RUNWAY 15/33 EXISTING RWY 33	RUNWAY 15/33 FUTURE RWY 15	RUNWAY 15/33 FUTURE RWY 33
RUNWAY END COORDINATES (NAD 83)	38° 47' 50.63"N 76° 04' 19.06"W	38° 48' 37.47"N 76° 03' 43.80"W	38° 47' 34.45"N 76° 04' 31.24"W	38° 48' 28.96"N 76° 03' 50.21"W	38° 48' 30.85"N 76° 04' 34.95"W	38° 48' 01.64"N 76° 04' 00.84"W	SAME	SAME
DISPLACED THRESHOLD COORDINATES (NAD 83)	N/A	38° 48' 34.70"N 76° 03' 45.88"W	38° 47' 41.26"N 76° 04' 26.11"W	N/A	N/A	N/A	N/A	N/A
APPROACH VISIBILITY MINIMUMS (AGL-SM)	200 - 3/4	300 - 1	200 - 1/2	SAME	CAT A-C: 400-1 CAT D: 400-1 1/4	CAT A-B: 500-1 CAT C: 500-1 1/4 CAT D: 500-1 1/2	SAME	SAME
CFR PART 77 CATEGORY	PRECISION	NON-PRECISION	SAME	SAME	NON-PRECISION	NON-PRECISION	SAME	SAME
APPROACH SURFACE SLOPE	50:1	34:1	SAME	SAME	34:1	34:1	SAME	SAME
RUNWAY LENGTH X WIDTH	5,500' X 100'		6,400' X 100'		4,003' X 100'		SAME	
PAVEMENT TYPE	ASPHALT		SAME		ASPHALT		SAME	
PAVEMENT DESIGN STRENGTH (LBS)								
SINGLE WHEEL	40,000		SAME		40,000		SAME	
DUAL WHEEL	60,000		SAME		60,000		SAME	
DUAL TANDEM	100,000		SAME		100,000		SAME	
RUNWAY LIGHTING	HIRL	HIRL	SAME	SAME	MIRL	MIRL	SAME	SAME
RUNWAY MARKING	PRECISION	NON-PRECISION	SAME	SAME	VISUAL	VISUAL	NON-PRECISION	NON-PRECISION
EFFECTIVE GRADIENT (%)	0.65		0.48		0.46		SAME	
MAXIMUM GRADE (%)	1.00		SAME		0.55		SAME	
RUNWAY LINE OF SIGHT VIOLATIONS	NONE		SAME		NONE		SAME	
WIND COVERAGE	16 KNOTS CROSSWIND 98.95% IMC / 98.36% AW		SAME		13 KNOT CROSSWIND 91.58% IMC / 95.31% AW		SAME	
VISUAL APPROACH AIDS	PAPI-4L	PAPI-4L; REILs	MALSR; PAPI-4L	SAME	PAPI-2L, REILs	PAPI-2L, REILs	SAME	SAME
INSTRUMENT APPROACH AIDS	ILS, LOC/DME, GPS	GPS	SAME	SAME	GPS	GPS	SAME	SAME
AIRPORT REFERENCE CODE (ARC)	D-II		SAME		B-II		SAME	
CRITICAL AIRCRAFT	GULFSTREAM IV		SAME		KING AIR B-200		SAME	
CRITICAL AIRCRAFT STAGE LENGTH	4,171 NM		SAME		1,800 NM		SAME	
RUNWAY SAFETY AREA (RSA) DIM.	6,750' X 500'		8,400' X 500'		4,603' X 150'		SAME	
RUNWAY OBJECT FREE AREA (ROFA) DIM.	6,500' X 800'		8,400' X 800'		4,603' X 500'		SAME	
OBSTACLE FREE ZONE (OFZ) DIM.[1]	5,900' X 400'		6,800' X 400'		4,403' X 400'		SAME	
RUNWAY END ELEVATIONS (MSL)	36.0 (LOW POINT)	71.8 (HIGH POINT)	36.0 (LOW POINT)	66.8 (HIGH POINT)	32.6 (LOW POINT)	51.0 (HIGH POINT)	SAME	SAME
DISPLACED THRESHOLD ELEVATIONS (MSL)	N/A	69.9	36.0	N/A	N/A	N/A	N/A	N/A
TOUCHDOWN ZONE ELEVATIONS (MSL)	57.6	71.8	41.1	66.8	46.8	51.0	SAME	SAME
THRESHOLD DISPLACEMENT LENGTH	N/A	325'	800'	N/A	N/A	N/A	N/A	N/A
EFFECTIVE RUNWAY LENGTH	4,775'	5,175'	5,600'	6,400'	4,003'	4,003'	SAME	SAME

[1] SEE THE OFZ DIMENSION CHART ON THIS SHEET FOR THE RUNWAY 4 INNER-APPROACH AND INNER TRANSITIONAL OBSTACLE FREE ZONE DIMENSIONS.

EXISTING DECLARED DISTANCE DATA

RUNWAY	TORA (FT)	TODA (FT)	ASDA (FT)	LDA (FT)
4	5,175'*	5,500'	4,775'	4,775'
22	5,500'	5,500'	5,500'	5,175'

EXISTING DECLARED DISTANCES APPROVED BY THE FAA ON JULY 13, 2007 (*REVISED JANUARY 21, 2009).

FUTURE DECLARED DISTANCE DATA

RUNWAY	TORA (FT)	TODA (FT)	ASDA (FT)	LDA (FT)
4	6,400'	6,400'	6,400'	5,600'
22	6,400'	6,400'	6,400'	6,400'

TORA = TAKEOFF RUNWAY AVAILABLE
TODA = TAKEOFF DISTANCE AVAILABLE
ASDA = ACCELERATE-STOP DISTANCE AVAILABLE
LDA = LANDING DISTANCE AVAILABLE

AIRPORT DATA TABLE

AIRPORT DATA	EXISTING	FUTURE
AIRPORT ELEVATION (MSL)	71.8	66.8
AIRPORT REFERENCE POINT (NAD 83)		
LATITUDE	38° 48' 14.97" N	38° 48' 07.33" N
LONGITUDE	76° 04' 08.36" W	76° 04' 13.46" W
MEAN MAX. TEMPERATURE OF HOTTEST MONTH	87° F	SAME
AIRPORT TERMINAL AREA NAVAIDS	GS, LOC, DME, GPS	SAME
MAGNETIC VARIATION	11.302° W	CHANGE 0.001° E/ YEAR
DATE OF MAGNETIC VARIATION	JANUARY 2010	-------
NPIAS SERVICE LEVEL	GA	SAME
STATE EQUIVALENT SERVICE ROLE	PUBLIC USE	SAME
COMBINED WIND COVERAGE		
ALL WEATHER	99.93% (16 KNOTS)	SAME
IMC	99.81% (16 KNOTS)	SAME
AIRPORT REFERENCE CODE	D-II	SAME
TAXIWAY OBJECT FREE AREA WIDTH (ADG-II)	131'	SAME
TAXILANE OBJECT FREE AREA WIDTH (ADG-II)	115'	SAME
TAXIWAY SAFETY AREA WIDTH (ADG-II)	79'	SAME
RUNWAY / TAXIWAY HOLD LINE DISTANCE	RW 4-22: 250' RW 15-33: 200'	SAME
TAXIWAY LIGHTING	MITL	SAME

RUNWAY PROTECTION ZONE DATA

DIMENSIONS	A	B	C
EXISTING RWY 15-33 RPZs	500'	700'	1,000
EXISTING RWY 4 RPZ	1,000	1,510'	1,700'
EXISTING RWY 22 APPROACH RPZ	500'	1,010'	1,700'
RWY 4-22 EXISTING AND FUTURE DEPARTURE RPZs	500'	1,010'	1,700
FUTURE RWY 4 APPROACH RPZ	1,000	1,750'	2,500'

NOTES

1. FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF THE FUTURE FACILITIES DEPICTED. DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO SUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS AND EXTERIOR FINISHES OF STRUCTURES. FAA'S CONCERNS ARE OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS AND ADVERSE EFFECT ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENTS, WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY OR UTILITY OF THE AIRPORT.
2. ALL ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL.
3. ALL ELEVATIONS ARE IN ACCORDANCE WITH NATIONAL MAP ACCURACY STANDARDS. SPOT ELEVATIONS AND GROUND CONTOURS ARE DERIVED FROM AERIAL PHOTOGRAMMETRY AND ARE APPROXIMATE. GROUND SURVEYS ARE RECOMMENDED TO VERIFY ACCURACY.
4. ALL LATITUDE AND LONGITUDE COORDINATES ARE NAD 83. A VERTICAL DATA IS PROVIDED IN NAVD 88.
5. BUILDING RESTRICTION LINE (BRL) IS DEPICTED ON THE TERMINAL AREA PLAN (TAP) DRAWING.
6. THERE ARE NO KNOWN PENETRATIONS TO THE EXISTING THRESHOLD SITING SURFACES AND OBSTACLE FREE ZONES.
7. ALL TREES THAT OBSTRUCT THE ATCT LINE OF SIGHT TO THE EXISTING AND FUTURE MOVEMENT AREAS AND 14 CFR PART 77 APPROACH SURFACES WILL BE MITIGATED.

DEVELOPMENT PROGRAM

- PHASE I DEVELOPMENT (0-5 YEARS)
- PHASE II DEVELOPMENT (6-10 YEARS)
- PHASE III DEVELOPMENT (11-20 YEARS)
- ULTIMATE DEVELOPMENT (BEYOND 20 YEARS)

400 0 400 800 FEET
SCALE: 1"=400'

FEDERAL AVIATION ADMINISTRATION	
APPROVED	DATE
MARYLAND AVIATION ADMINISTRATION	
APPROVED	DATE
TALBOT COUNTY COUNCIL	
APPROVED	DATE

NO.	REVISIONS	BY	APP.	DATE

AIRPORT LAYOUT DRAWING

EASTON AIRPORT
EASTON, MARYLAND

URS CORPORATION
4 NORTH PARK DRIVE, SUITE 300
HUNT VALLEY, MD 21030
TEL: 410-785-7220
FAX: 410-785-6818

DRAWN BY:	KEB	SCALE:	AS SHOWN
CHECKED BY:	KEB	DATE:	JANUARY 2009

SHEET 2 OF 20

DRAWING: C-LP-ESN.dwg LAYOUT: 24x36
XREFS: CX-TP-ESN_6_9_8.dwg; CX-CN-ESN_6_9_8.dwg; CX-DV-ESN.dwg; CX-PL-ESN.dwg IMAGES: URS-AVIATION.jpg;