Airport Committee Meeting

AGENDA

February 6, 2018
City Hall

I **CALL TO ORDER**

II. **MATTERS BEFORE COMMITTEE**

1. Airport Layout Plan

III. **ADJOURN**

Airport Committee Meeting

AGENDA

February 6, 2018

Item:

Approval - Airport Layout Plan

Department:

Additional Information:

Financial Impact:

Budgeted Item:

Recommendation / Request:

Viewing Attachments Requires Adobe Acrobat. Click here to download.

Attachments / click to download

- ALP

To: Airport Committee, City Council

From: Chris Bailey, Central Services Manager

Department: Airport

Date: 01/30/18

Description: A request is being made for the final approval of the Airport Layout Plan (ALP) design completion. This ALP version was the final selection of the Mayor and Council, and has been completed by Barge Waggoner Sumner Cannon (BWSC) and conditionally approved by the Aviation Division of the DOT. This approval is needed for the final completed submission to the DOT and adoption by the City of Monroe.

Budget Account/Project Name: N/A

Funding Source: N/A

Budget Allocation: N/A

Budget Available: N/A

Requested Expense: N/A **Company of Purchase:** N/A

Recommendation:
Staff recommends the approval of the Airport Layout Plan (ALP) design completion as this approval is needed for the final completed submission to the DOT and adoption by the City of Monroe.

Background:
It is the practice of the City of Monroe to continually work towards the development of the Monroe-Walton County Airport through the completion of projects such as the ALP design in order to support funding requests that are requested of the State and Federal governments on an annual basis. This completed ALP also gives the Monroe-Walton County Airport an overall concept and plan design for future growth and development.

Attachment(s):
Title Sheet – 1 page
ALP Layout – 1 page

AIRPORT LAYOUT PLAN
FOR THE
MONROE-WALTON COUNTY AIRPORT
MONROE, GEORGIA

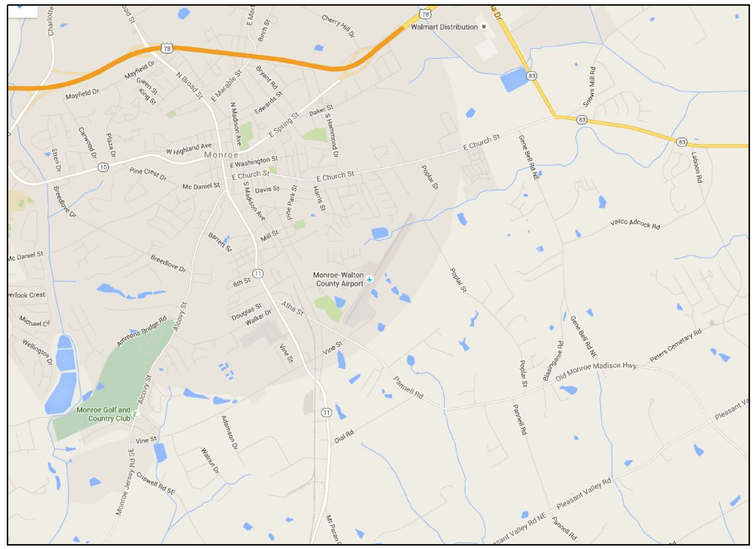
BWSC

AUG 29, 2016
PROJECT No.
33843-05

INDEX OF DRAWINGS

Sheet No.	Description	Revision #	Revision Date
	TITLE SHEET		
1	AIRPORT LAYOUT DRAWING		
2	TERMINAL AREA DRAWING		
3	FAR PART 77 AIRSPACE DRAWING		
4	FAR PART 77 AIRSPACE DETAIL		
5	FAR PART 77 AIRSPACE OBSTRUCTION DATA		
6	RUNWAY 3 INNER APPROACH DRAWING		
7	RUNWAY 3 INNER APPROACH DATA TABLES		
8	RUNWAY 21 INNER APPROACH DATA TABLE		
9	RUNWAY 21 INNER APPROACH DATA TABLES		
10	RUNWAY 3 DEPARTURE SURFACE DRAWING		
11	RUNWAY 3 DEPARTURE SURFACE DATA TABLES		
12	RUNWAY 21 DEPARTURE SURFACE DRAWING		
13	RUNWAY 21 DEPARTURE SURFACE DATA TABLES		
14	RUNWAY 3-21 PROFILE		
15	EXHIBIT "A" PROPERTY MAP		

LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

AIRPORT SPONSOR APPROVAL

Approved By :

John Howard, Mayor September, 2016

BWSC BARGE WAGGONER SUMNER & CANNON, INC.
2047 West Main Street, Suite 1, Dothan, Alabama 36301
PHONE (334) 793-6266 FAX (334) 793-4459

AIRPORT LAYOUT PLAN
FOR THE
MONROE-WALTON COUNTY AIRPORT
MONROE, GEORGIA
GDOT PROJECT NO. APXXX-XXX(XXX) WALTON COUNTY

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EXISTING FEATURE

NO.	FEATURE
E1	NGS SURVEY MONUMENT (MONPORT) N=1376155.78, E=2440235.65, ELEV.= 842.00 (SE NOTE 1)
E2	NGS SURVEY MONUMENT (MONPORT AZ MK) N=1374832.99, E=2439656.90, ELEV.= 865.50 (SEE NOTE 1)
E3	AIRCRAFT PARKING APRON (EXISTING: 150'x600', ULTIMATE 98'x600')
E4	LIGHTED WIND CONE AND SEGMENTED CIRCLE
E5	2-BOX PAPI
E6	FUEL FARM
E7	AUTOMATED WEATHER OBSERVATION SYSTEM (AWOS) (TOP ELEV. = 883.3')
E8	AUTOMOTIVE PARKING

AERIAL MAPPING AND PHOTOGRAPHY PROVIDED BY:
INDEPENDENT MAPPING CONSULTANTS, INC.
SURVEY DATE: MAY 16, 2016

PROPOSED FEATURE

NO.	FEATURE
P1	LIGHTED WIND CONE AND SEGMENTED CIRCLE
P2	AIRCRAFT PARKING APRON (258'x471')
P3	AUTOMOTIVE PARKING LOT
P4	JET A FUEL TANK

NOTES:
1. ALL COORDINATES AND ELEVATIONS SHOWN ARE BASED OFF OF NAD83 (HORIZONTAL) AND NAVD88 (VERTICAL) DATUMS.
2. THE RUNWAY DESIGNATIONS ARE EXPECTED TO CHANGE FROM RUNWAY "3-21" TO RUNWAY "4-22".
3. THE BUILDING RESTRICTION LINE (BRL) IS LOCATED 495' FROM THE RUNWAY CENTERLINE.
4. SEE INNER APPROACH DRAWINGS FOR ROAD CLEARANCE TABLES.
5. PAVEMENT STRNGTH IS BASED ON THE CURRENT PUBLISHED STRENGTH CONTAINED IN THE AIRPORT MASTER RECORD. NO GEOTECHNICAL INVESTIGATION WAS PERFORMED TO VERIFY THE PAVEMENT STRENGTH.
6. RUNWAY MEETS LINE OF SIGHT REQUIREMENTS.
7. DISTANCE FROM RUNWAY CENTERLINE TO PAPI'S ARE 87.5'.

AIRPORT DATA

	EXISTING	ULTIMATE
AIRPORT REFERENCE CODE	B-II	SAME
MEAN MAX. TEMP. HOTTEST MONTH	97°F	SAME
AIRPORT ELEVATION	875.2'	SAME
NAVIGATIONAL AIDS	BEACON, GPS	SAME
AIRPORT REFERENCE POINT COORDINATES (NAD83)	N 33°46'57.08"	SAME
	W 83°41'34.08"	SAME
MISCELLANEOUS FACILITIES	LIGHTED WIND CONE, TAXIWAY LIGHTING, AWOS III P/T	SAME
CRITICAL AIRCRAFT	CITATION II	SAME
NPIAS SERVICE LEVEL	GENERAL AVIATION	SAME
GDOT AIRPORT SYSTEM	LEVEL II	SAME

PROPOSED FACILITIES

NO.	STRUCTURE
PB1	TERMINAL BUILDING
PB2	50'x50' CORPORATE HANGAR
PB3	8-UNIT T-HANGAR

EXISTING FACILITIES

NO.	STRUCTURE	ELEV.
B1	CORPORATE HANGAR (F.B.O.)	887.8'
B2	8-UNIT T-HANGAR	880.7'
B3	8-UNIT T-HANGAR	883.0'
B4	BATHROOM TRAILER (TO BE REMOVED)	N/A
B5	CORPORATE HANGAR	883.5'
B6	CORPORATE HANGAR	866.3'
B7	CORPORATE HANGAR	857.5'
B8	CORPORATE HANGAR	859.5'
B9	CORPORATE HANGAR	863.0'

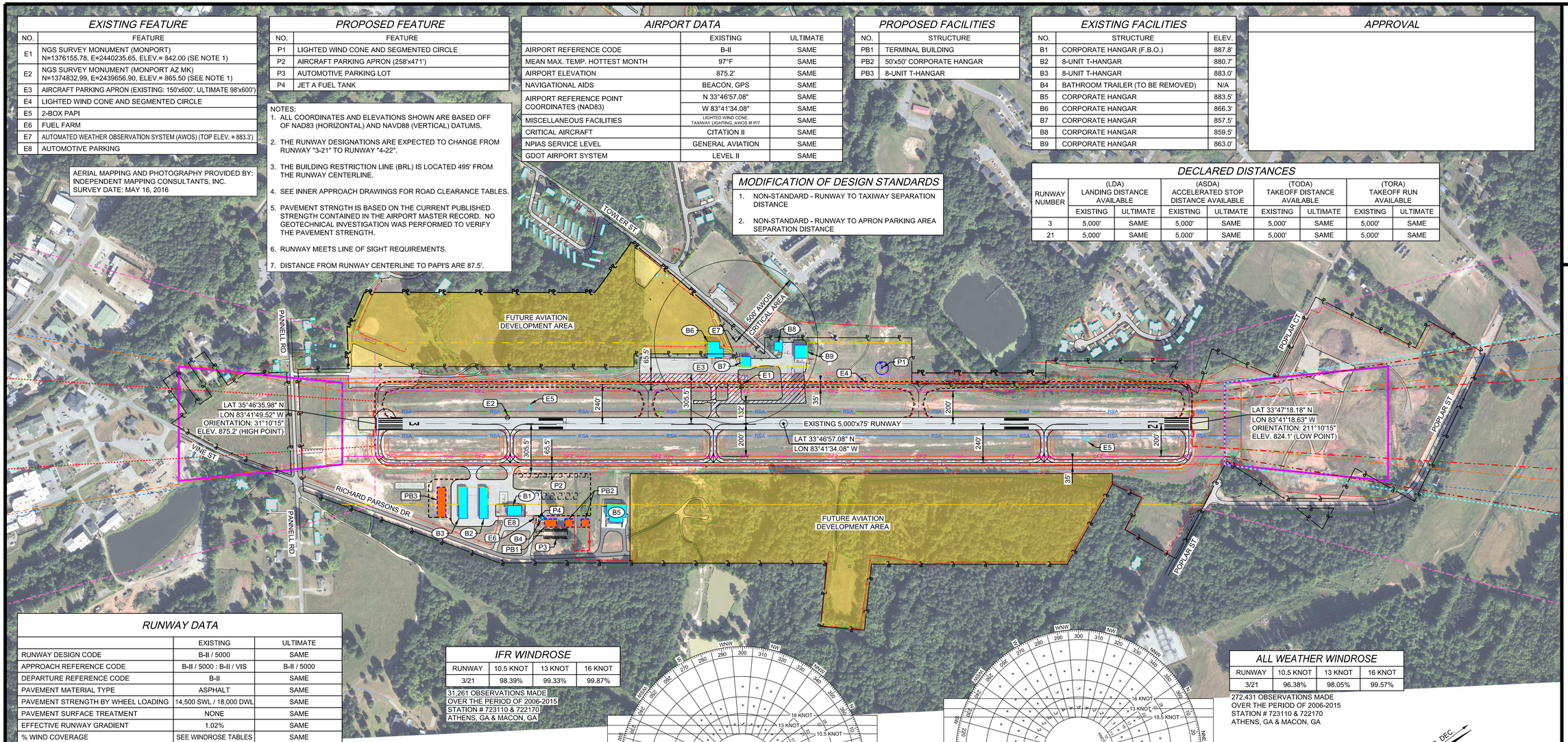
APPROVAL

MODIFICATION OF DESIGN STANDARDS

1. NON-STANDARD - RUNWAY TO TAXIWAY SEPARATION DISTANCE
2. NON-STANDARD - RUNWAY TO APRON PARKING AREA SEPARATION DISTANCE

DECLARED DISTANCES

RUNWAY NUMBER	(LDA) LANDING DISTANCE AVAILABLE		(ASDA) ACCELERATED STOP DISTANCE AVAILABLE		(TODA) TAKEOFF DISTANCE AVAILABLE		(TORA) TAKEOFF RUN AVAILABLE	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
3	5,000'	SAME	5,000'	SAME	5,000'	SAME	5,000'	SAME
21	5,000'	SAME	5,000'	SAME	5,000'	SAME	5,000'	SAME



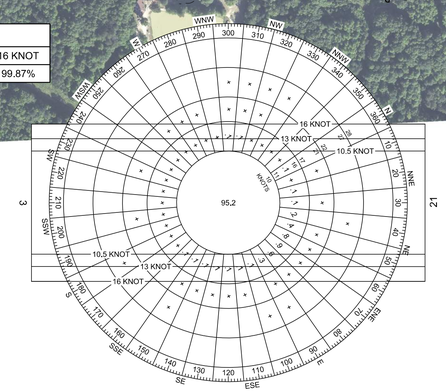
RUNWAY DATA

		EXISTING	ULTIMATE
RUNWAY DESIGN CODE		B-II / 5000	SAME
APPROACH REFERENCE CODE		B-II / 5000 : B-II / VIS	B-II / 5000
DEPARTURE REFERENCE CODE		B-II	SAME
PAVEMENT MATERIAL TYPE		ASPHALT	SAME
PAVEMENT STRENGTH BY WHEEL LOADING		14,500 SWL / 18,000 DWL	SAME
PAVEMENT SURFACE TREATMENT		NONE	SAME
EFFECTIVE RUNWAY GRADIENT		1.02%	SAME
% WIND COVERAGE		SEE WINDROSE TABLES	SAME
RUNWAY LIGHTING		MIRL	SAME
RUNWAY LENGTH		5,000'	SAME
RUNWAY WIDTH		75'	SAME
RUNWAY END COORDINATES (NAD 83)	RW 3	N 35°46'35.98" W 83°41'49.52"	SAME
	RW 21	N 33°47'18.18" W 83°41'18.63"	SAME
RUNWAY END ELEVATIONS	RW 3	875.2'	SAME
	RW 21	824.1'	SAME
RUNWAY ORIENTATION		31°10'15" 211°10'15"	SAME
MARKINGS	RW 3	NON-PRECISION	SAME
	RW 21	NON-PRECISION	SAME
CFR PART 77 APPROACH CATEGORY	RW 3	34:1	SAME
	RW 21	20:1	34:1
APPROACH TYPE	RW 3	RNAV(GPS), NDB	SAME
	RW 21	VISUAL	RNAV(GPS)
APPROACH VISIBILITY MINIMUMS	RW 3	1 MILE	SAME
	RW 21	VISUAL	1 MILE
TYPE OF AERONAUTICAL SURVEY REQUIRED FOR APPROACH	RW 3	NVGS	SAME
	RW 21	NVGS	SAME
RUNWAY DEPARTURE SURFACE	RW 3	YES	SAME
	RW 21	NO	YES
THRESHOLD SITING SURFACE	RW 3	CATEGORY 4	SAME
	RW 21	CATEGORY 2	CATEGORY 4
GLIDE PATH QUALIFICATION SURFACE (GQS)	RW 3	CATEGORY 8	SAME
	RW 21	N/A	CATEGORY 8
INSTRUMENT APPROACH NAVAIDS	RW 3	GPS	SAME
	RW 21	N/A	GPS
VISUAL APPROACH NAVAIDS	RW 3	PAPI-2L	SAME
	RW 21	PAPI-2L	SAME
TOUCHDOWN ZONE ELEVATIONS	RW 3	875.2'	SAME
	RW 21	844.4'	SAME

IFR WINDROSE

RUNWAY	10.5 KNOT	13 KNOT	16 KNOT
3/21	98.39%	99.33%	99.87%

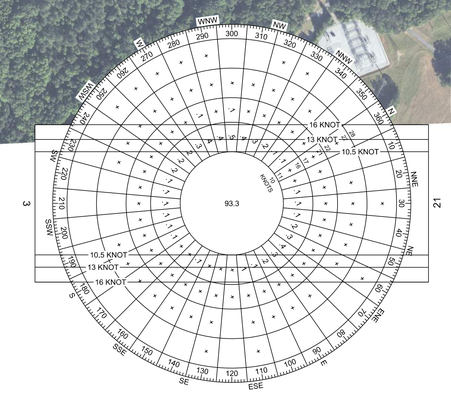
31,261 OBSERVATIONS MADE
OVER THE PERIOD OF 2006-2015
STATION # 723110 & 722170
ATHENS, GA & MACON, GA



ALL WEATHER WINDROSE

RUNWAY	10.5 KNOT	13 KNOT	16 KNOT
3/21	96.38%	98.05%	99.57%

272,431 OBSERVATIONS MADE
OVER THE PERIOD OF 2006-2015
STATION # 723110 & 722170
ATHENS, GA & MACON, GA



MAG. DEC.
MAGNETIC DECLINATION
5°30' W - 2014 ANNUAL
RATE OF CHANGE - 0°5' W

0 300 600 900
SCALE IN FEET

FAR PART 77 APPROACH DIMENSIONS

RWY 3 EXISTING	500'IW X 3,500'OW X 10,000'L
RWY 3 ULTIMATE	SAME
RWY 21 EXISTING	500'IW X 3,500'OW X 10,000'L
RWY 21 ULTIMATE	SAME

RUNWAY PROTECTION ZONE DIMENSIONS

RWY 3 EXISTING	500'IW X 700'OW X 1,000'L
RWY 3 ULTIMATE	SAME
RWY 21 EXISTING	500'IW X 700'OW X 1,000'L
RWY 21 ULTIMATE	SAME

RUNWAY SAFETY AREA DIMENSIONS

RWY END	EXISTING	ULTIMATE
3	150'W X 300' BEYOND END OF RUNWAY	SAME
21	150'W X 300' BEYOND END OF RUNWAY	SAME

OBJECT FREE AREA DIMENSIONS

RWY END	EXISTING	ULTIMATE
3	500'W X 300' BEYOND END OF RUNWAY	SAME
21	500'W X 300' BEYOND END OF RUNWAY	SAME

OBSTACLE FREE ZONE DIMENSIONS

RWY END	EXISTING	ULTIMATE
3	400'W X 200' BEYOND END OF RUNWAY	SAME
21	400'W X 200' BEYOND END OF RUNWAY	SAME

TAXIWAY AND TAXILANE DATA

	EXISTING	ULTIMATE
TAXIWAY DESIGN GROUP	2	SAME
TAXIWAY AND TAXILANE WIDTH	35'	SAME
TAXIWAY AND TAXILANE SAFETY AREA	79'	SAME
TAXIWAY OBJECT FREE AREA	131'	SAME
TAXIWAY EDGE SAFETY MARGIN (TESM)	7.5'	SAME
TAXILANE OBJECT FREE AREA	115'	SAME
TAXIWAY CENTERLINE TO PARALLEL TAXIWAY/TAXILANE CENTERLINE	105'	SAME
TAXIWAY CENTERLINE TO FIXED OR MOVEABLE OBJECT	65.5'	SAME
TAXILANE CENTERLINE TO PARALLEL TAXILANE CENTERLINE	97'	SAME
TAXILANE CENTERLINE TO FIXED OR MOVEABLE OBJECT	57.5'	SAME
TAXIWAY AND TAXILANE LIGHTING	MITL	SAME

LEGEND

	EXISTING	ULTIMATE
RUNWAY SAFETY AREA (RSA)	RSA	RSA
RUNWAY OBJECT FREE AREA (ROFA)	ROFA	ROFA
RUNWAY OBSTACLE FREE ZONE (OFZ)	OFZ	OFZ
RUNWAY PROTECTION ZONE (RPZ)		
BUILDING RESTRICTION LINE (BRL)	BRL	BRL
APPROACH SURFACE		
THRESHOLD SITING SURFACE		
GLIDE SLOPE QUALIFICATION SURFACE		
TAXIWAY SAFETY AREA (TSA)	TSA	TSA
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA	TOFA
TAXIWAY EDGE SAFETY MARGIN (TESM)		
AIRPORT REFERENCE POINT		N/A
AIRPORT PAVEMENT		
AIRPORT BUILDINGS		
OTHER BUILDINGS		N/A
AIRPORT PROPERTY LINE / EASEMENTS		
FENCE		
ROADS		
GROUND ELEVATION CONTOURS		N/A
ROTATING BEACON		N/A
PAPI		N/A
THRESHOLD LIGHTS		N/A
UTILITY POLE		N/A
TO BE REMOVED	N/A	

BWSC
BARGE WAGGONER SUMNER & CANNON, INC.
2047 West Main Street, Suite 1, Dothan, Alabama 36301
PHONE (334) 793-6266 FAX (334) 793-4459

AIRPORT LAYOUT PLAN

PROJECT NO. APXXX-XXXX-XX(XXX) WALTON COUNTY
MONROE-WALTON COUNTY AIRPORT
MONROE, GEORGIA

DR.	CHK.	DATE	DESCRIPTION
JEC	DKS	8-29-2016	AIRPORT LAYOUT PLAN UPDATE

FILE NO. 33843-05

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