

Flight Procedure Tracking Form		Action: FLIGHT CHECK	Task Type: DP	Date Open: 02/22/2010	Task #: 2009051814131702001	Request #: 20090518141317
Procedure: DP NEW MARKET VA K8W2 ORIG			Airport ID: K8W2	Airport: NEW MARKET		Reimbursable #:
City: NEW MARKET		ST: VA		GPS #:	Estimated Chart Date: 12/15/2011	FICO #: 1069880
Fac ID:	Fac. Type: <i>Pract</i>		Specialist: KYLE THOMPSON(Contractor)			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	03/24/2011	09/30/2011	GREGORY STOKES	
QA:	09/30/2011	09/30/2011	SCOTT BEARD	
Liaison:	09/30/2011		<i>Terrell</i>	RESUBMIT ENTIRE PKG 9/30/11 - APPROVAL REQUEST

P3

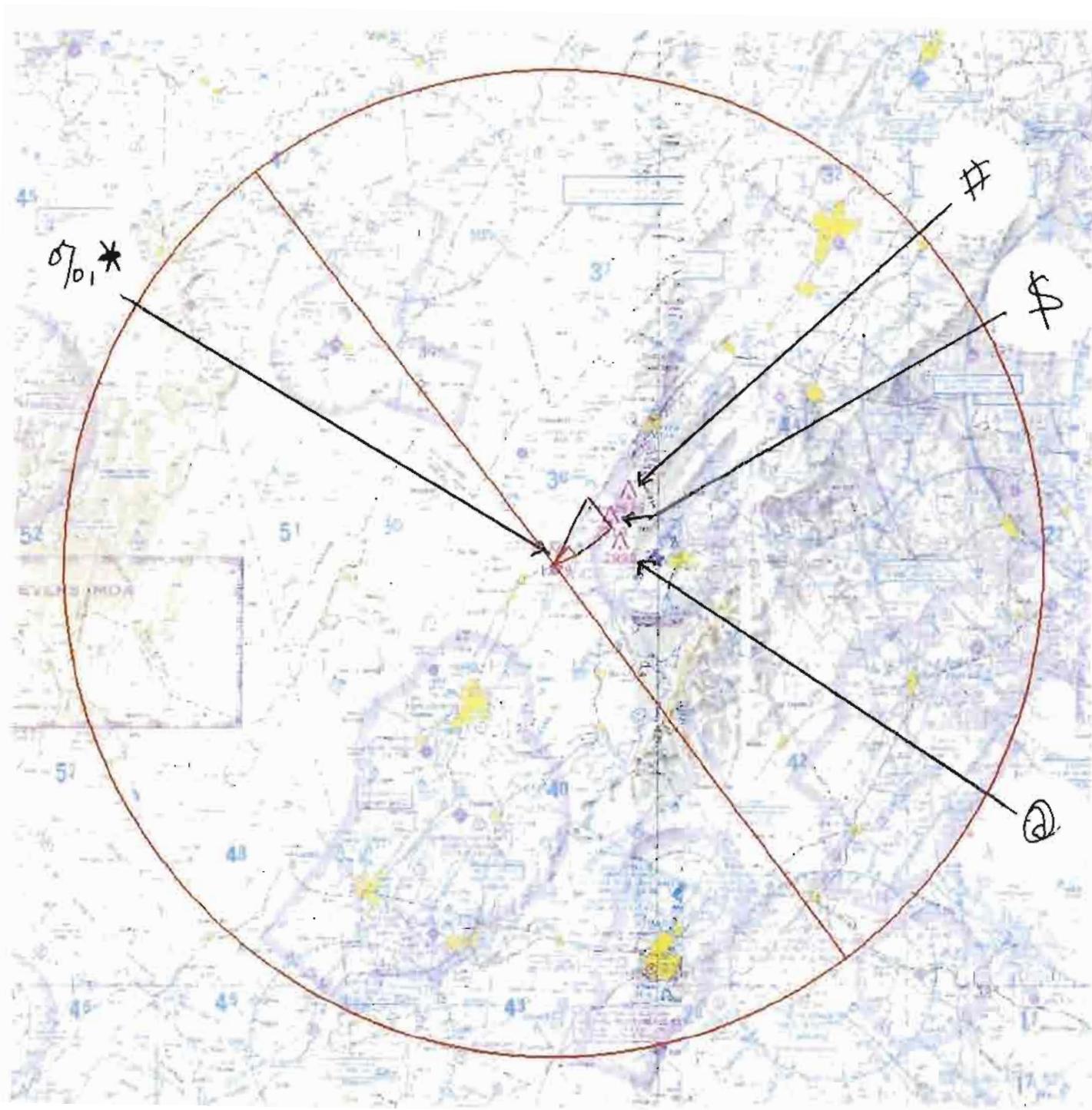
Procedure Comments:

NEW MARKET, VA NEW MARKET (K8W2) TAKEOFF DEP/MINS, ORIG ENROUTE-NO FC: 11.1.11 PUB: 12.15.11

ATTACHED FORMS: 8260-15A.

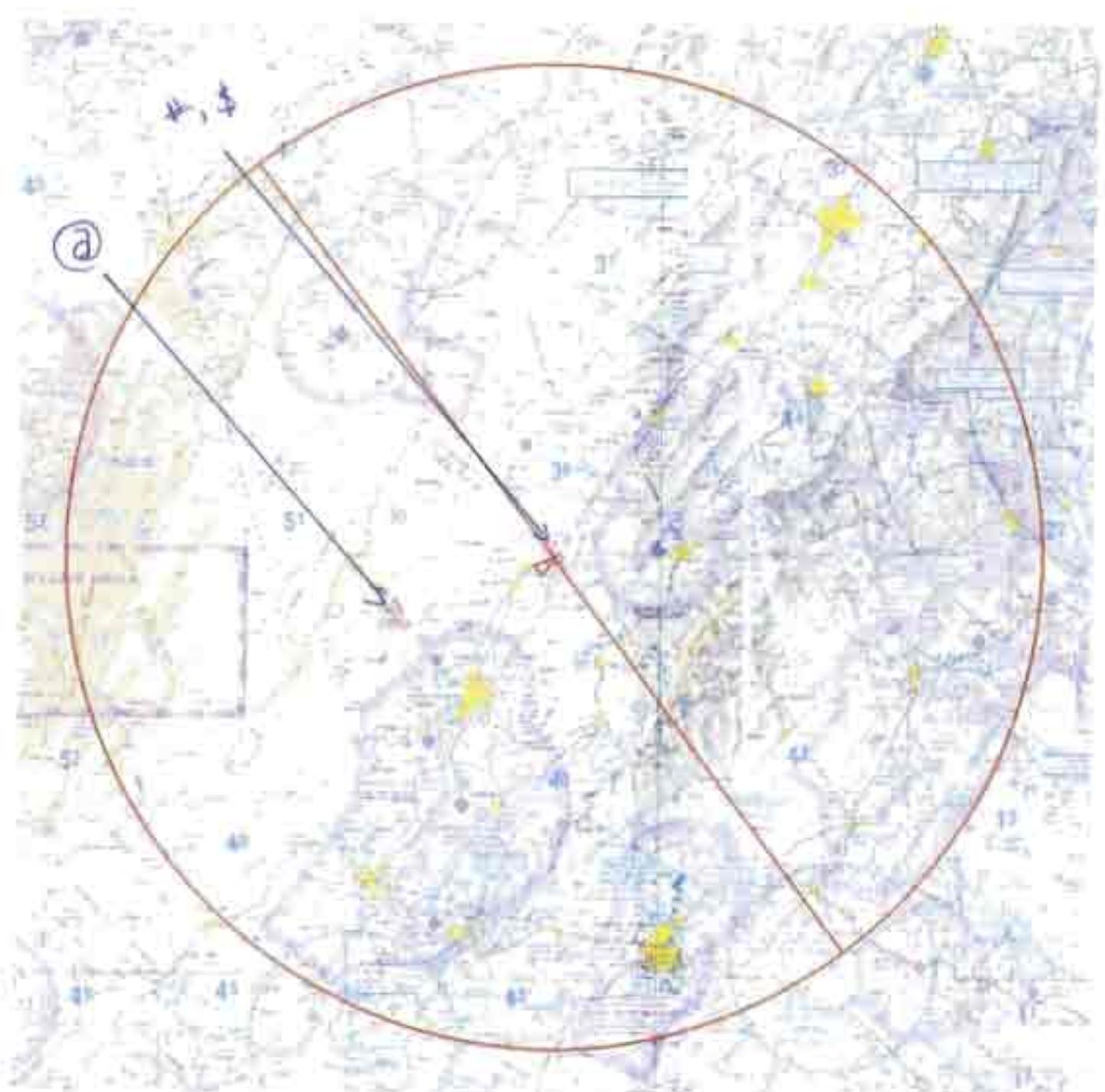
CONTACT: DON SMITH, JILL OLSON, AJV-352 LEADS, 405.954.1036/0414

Remark Type: INFORMATION *pkg 1 of 1*



Airport ID:	K8W2				
Apt Name:	NEW MARKET	ID	SEGMENT	OBSTRUCTION	ELEV
City:	NEW MARKET	@	ROUTE DEV	AAO	2999
State:	VA	#	CG TERM ALT	AAO	2978
Scale:	1:1,000,000	\$	CG	AAO	2819
Proc ID:	DP RWY 06	%	CEILING	TREE	1279
AMDT:	ORIG	*	VIS	TREE	1259

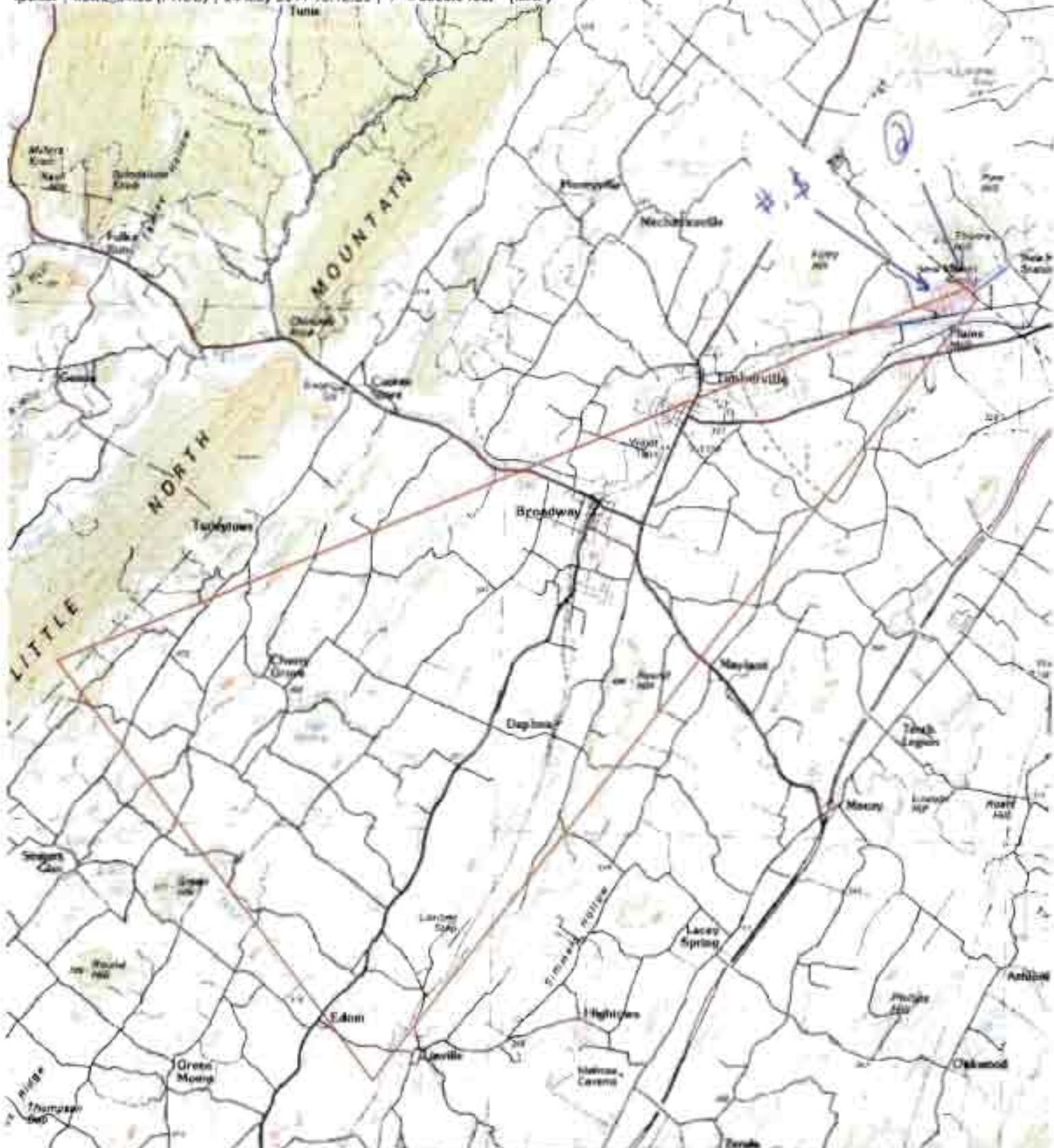
NM 14 28 42 56 70 84 98
 FT 84000 168000 252000 336000 420000 504000 588000
 fpokdr | kbw2_24div (PROG) | 24 May 2011 10:33:05 | 1" = 83500.1 feet (MAP)



Airport ID:	KIW2				
Apt Name:	NEW MARKET	ID	SEGMENT	OBSTRUCTION	ELEV
City:	NEW MARKET	@	ROUTE / CG	AAO	3859
State:	VA	#	CEILING	TREE	1319
Scale:	1:1,000,000	\$	VIS	TREE	1119
Proc ID:	DP RWY 24				
AMDT:	ORIG				

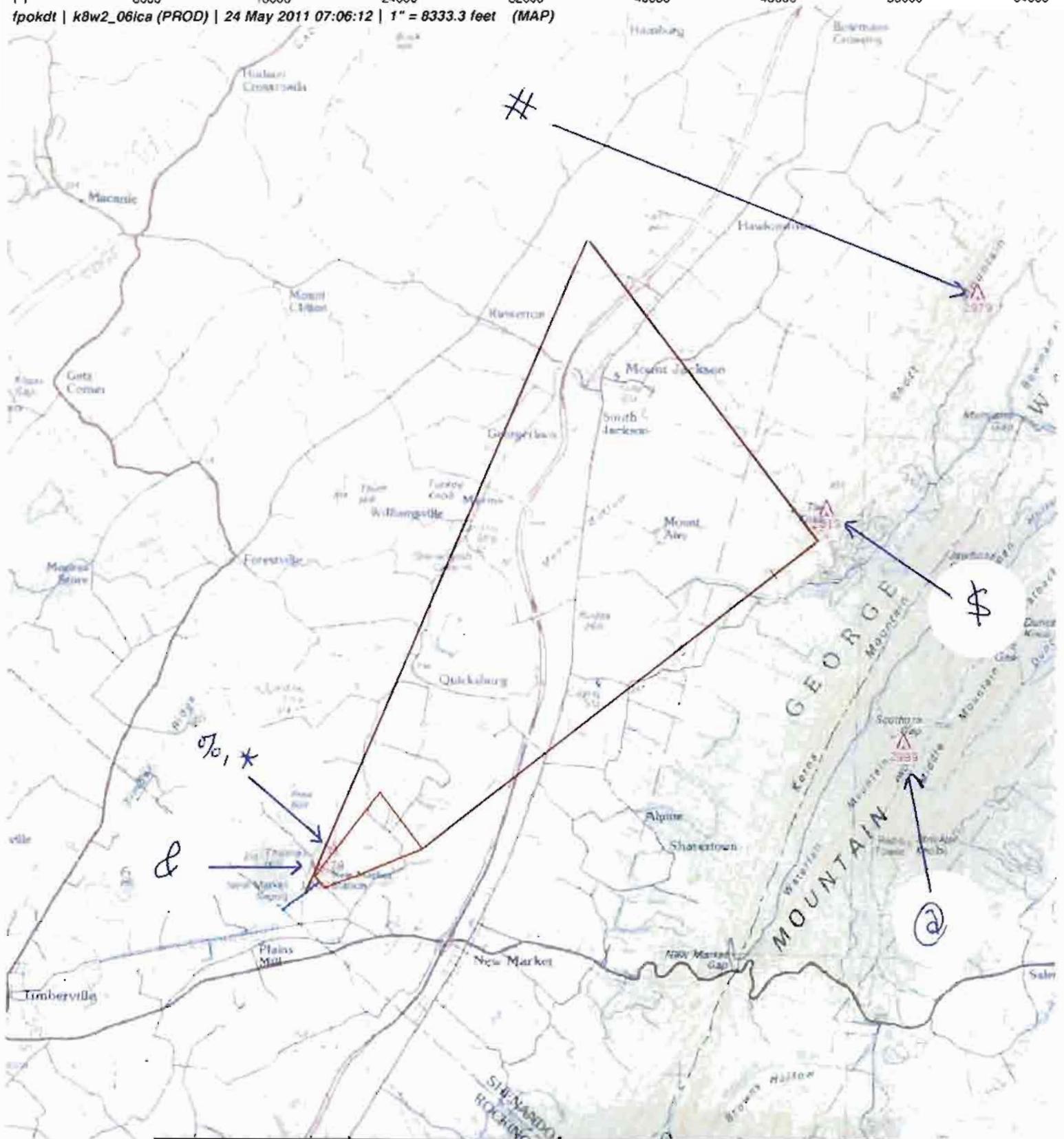
MM 0 1 2 3 4 5 6 7 8 9 10
 FT 8000 16000 24000 32000 40000 48000 56000 64000

fpokdt | NW2_24ica (PROD) | 24 May 2011 10:12:29 | 1" = 8350.0 feet (MAP)



Airport ID	KW2	ID	SEGMENT	OBSTRUCTION	ELEV
Apt Name	NEW MARKET	#	CEILING	TREE	1319
City	NEW MARKET	\$	VIS	TREE	1119
State	VA	@	LOW CLOSE	TRAIN	1002
Scale	1:100,000				
Prot ID	DP RWY 24				
AMDT	ORIG				

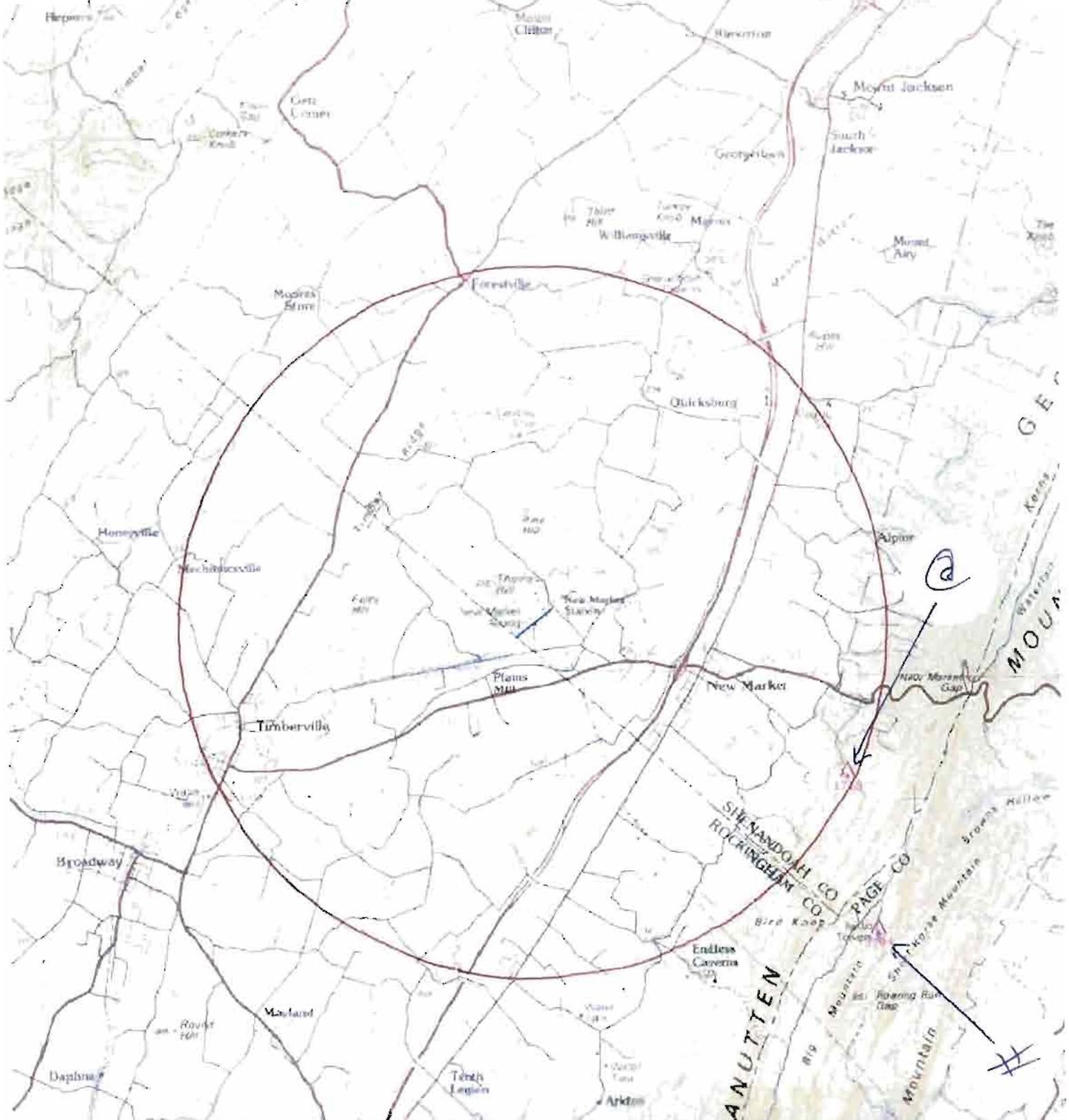
NM 1 2 3 4 5 6 7 8 9 10
 FT 8000 16000 24000 32000 40000 48000 56000 64000
 fpokdt | k8w2_06ica (PROD) | 24 May 2011 07:06:12 | 1" = 8333.3 feet (MAP)



Airport ID:	K8W2				
Apt Name:	NEW MARKET	ID	SEGMENT	OBSTRUCTION	ELEV
City:	NEW MARKET	@	ROUTE DEV	AAO	2999
State:	VA	#	CG TERM ALT	AAO	2979
Scale:	1:100,000	\$	CG	AAO	2819
Proc ID:	DP RWY 06	%	CEILING	TREE	1279
AMDT:	ORIG	*	VIS	TREE	1259
		&	LOW CLOSE	TRAIN	1002

NM 1 2 3 4 5 6 7 8 9 10
 FT 8000 16000 24000 32000 40000 48000 56000 64000

fpokdt | k8w2_vcoa (PROD) | 24 May 2011 09:25:13 | 1" = 8333.3 feet (MAP)



Airport ID:	K8W2				
Apt Name:	NEW MARKET	ID	SEGMENT	OBSTRUCTION	ELEV
City:	NEW MARKET	@	PRELIM CO	AAO	1719
State:	VA	#	CONTROLLING OBS	TOWER	3304
Scale:	1:100,000				
Proc ID:	VCOA				
AMDT:	ORIG				

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
NEWMARKET, VA	NEW MARKET		ORIG

TAKEOFF MINIMUMS:

RWY 6, 1100-3 WITH MINIMUM CLIMB OF 376 FT PER NM TO 3700 OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS.
RWY 24, 1100-3 WITH MINIMUM CLIMB OF 290 FT PER NM TO 3700 OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 6 - CLIMB HEADING 047.86 TO 3700 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS NEW MARKET AIRPORT AT OR ABOVE 3400 FT MSL BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.
RWY 24 - CLIMB HEADING 242.87 TO 3700 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS NEW MARKET AIRPORT AT OR ABOVE 3400 FT MSL BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TRAIN BEGINNING 2 FT FROM DER, 396 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/1002 FT MSL. VEHICLES ON ROAD BEGINNING 57 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/994 FT MSL. TREES BEGINNING 754 FT FROM DER, 522 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1279 FT MSL.
NOTE: RWY 24, TRAIN BEGINNING 11 FT FROM DER, 404 FT RIGHT OF CENTERLINE, UP TO 23 FT AGL/1002 FT MSL. TREES BEGINNING 564 FT FROM DER, 257 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1319 FT MSL.

CONTROLLING OBSTACLES:

RWY 6: 1279 FT MSL TREE 383945.75N/0784207.75W. 1259 FT MSL TREE 383947.00N/0784206.70W. 2819 FT MSL AAO 384318.50N/0783531.15W. 2979 FT MSL AAO 384533.40N/0783329.55W.
RWY 24: 1319 FT MSL TREE 383909.50N/0784311.45W. 1119 FT MSL AAO 383905.75N/0784322.05W. 3900 FT MSL AAO 383347.10N/0790144.10W.
RWY 6, 24 (VCOA): 3304 FT MSL TOWER (51-000006) 383605.00N/0783758.00W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 6 - 2999 FT MSL AAO 384053.75N/0783428.10W.
RWY 24 - 3900 FT MSL AAO 383347.10N/0790144.10W.



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TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
NEWMARKET, VA	NEW MARKET		ORIG

REMARKS:

RWY 6/26 TAKEOFF MINIMUMS 1100-3 AND RWY 6 DEPARTURE PROCEDURE CLIMB TO 3700 PER FLIGHT INSPECTION REQUEST.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DONALD SMITH
(KYLE THOMPSON) AJV-352 4/26/2011

APPROVED BY:

DARRYEL ADAMS AJV-352

COORDINATED WITH:

AOPA, NBAA, ZDC, DCA FSS, APT MGR

CHANGES:

REASONS:

2/2/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/26/2011:

1. TAKE-OFF MINIMUMS: REMOVED STANDARD CLIMB INSTRUCTIONS WITH CLIMB TO ALTITUDE, AND CLIMB GRADIENT FOR RUNWAYS 6/24, CHANGED RUNWAYS 6/24 TAKEOFF MINIMUMS FROM 400-1 TO 600-1.
2. ADDED NOTE "WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE" TO TEXTUAL DEPARTURE PROCEDURES FOR RUNWAYS 6/24.
3. TEXTUAL DEPARTURE PROCEDURES: CHANGED VCOA INSTRUCTIONS RWY 6/24 TO READ "CROSS NEW MARKET AIRPORT AT OR ABOVE 3400 BEFORE PROCEEDING ON COURSE."

4/17/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/26/11.

1. CHANGED RUNWAY 6 TAKEOFF MINIMUMS FROM "600-1 OR..." TO "1100-3 WITH MINIMUM CLIMB OF 376 FT PER NM TO 3700 OR..."
2. CHANGED RUNWAY 24 TAKEOFF MINIMUMS: "600-1 OR..." TO "1100-3 WITH MINIMUM CLIMB OF 290 FT PER NM TO 3700 OR..."
3. CHANGED RWY 24 CONTROLLING OBSTACLE AND MANDATING ODP ROUTE DEVELOPMENT FROM 3859 FT MSL AAO 383345.20N/0790148.85W TO 3900 FT MSL AAO 383347.10N/0790144.10W.
4. ADDED REMARK "RWY 6/26 TAKEOFF MINIMUMS 1100-3 AND RWY 6 DEPARTURE PROCEDURE CLIMB TO 3700 PER FLIGHT INSPECTION REQUEST".
5. CHANGED TEXTUAL DEPARTURE PROCEDURE RWY 6 FROM "047.86 TO 3300" TO "047.86 TO 3700"





Federal Aviation Administration

Memorandum

Date:

To: Leslie H. Smith, Manager, Flight Technologies and
Procedures Division
THRU: Stacey L. Zinke-McKee, Manager, Flight Procedure
Implementation & Oversight Branch

From: Wade EK Terrell Lead, Production Integration Coordination Team,
AJV-34

Reply To Attn Of: Wade EK Terrell
(405) 954-7370
FAX (405) 954-1301

Subject: **ACTION:** Approval Request

TAKEOFF MINIMUMS ODP, new Market, New Market, VA (K8W2)

Climb gradient exceeds 500 feet per NM, 8260.46d, Para. 2-1d.(2).

The computed climb gradient is 1846 feet per NM to an altitude 2738 feet above airport elevation for departures on RWY 6. The obstacle driving this climb gradient is a 1139 MSL tree (100' assumed obstacle). The computed climb gradient is 2151 feet per NM to an altitude 2738 feet above airport elevation for departures on RWY 24. The obstacle driving this climb gradient is a 1119 MSL tree (100' assumed obstacle).

Request approval to publish a minimum climb gradient of 1846 feet per NM to 3700 for RWY 6 and 2151 feet per NM to 3700 for RWY 24.

Worst case vegetation and AAOs were applied in and outside of the initial climb area based on topographical map evaluations, as there are no surveys on file. This airport is located in a valley inside mountainous terrain. In realizing that the climb gradient may not be approved, recommend use of, 400-1 with minimum climb of 376 ft per NM to 3700 or 2600-3 for climb in visual conditions, for departures on RWY 6 and 400-1 with minimum climb of 274 ft per NM to 3700 or 2600-3 for climb in visual conditions, for departures on RWY 24.

Please respond as soon as possible.