Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: SID	Date Open: 01/03/2012	Task #: 20111205276830	Request #: 20111205276830
Procedure: SID INDY FOUR INDIANAPOLIS IN KIND		Airport ID: KIND	Airport: INDIANAPOLIS INTL		Reimbursable #:
City: INDIANAPOLIS	ST: IN	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID:	Fac. Type: Proc TR	Specialist: JOHN LINDSEY			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	01/03/2012	04/25/2012	JOHN LINDSEY	
QA:	04/25/2012	05/11/2012	DAVID PUGLISI	
Liaison:	05/11/2012		Alfonso	

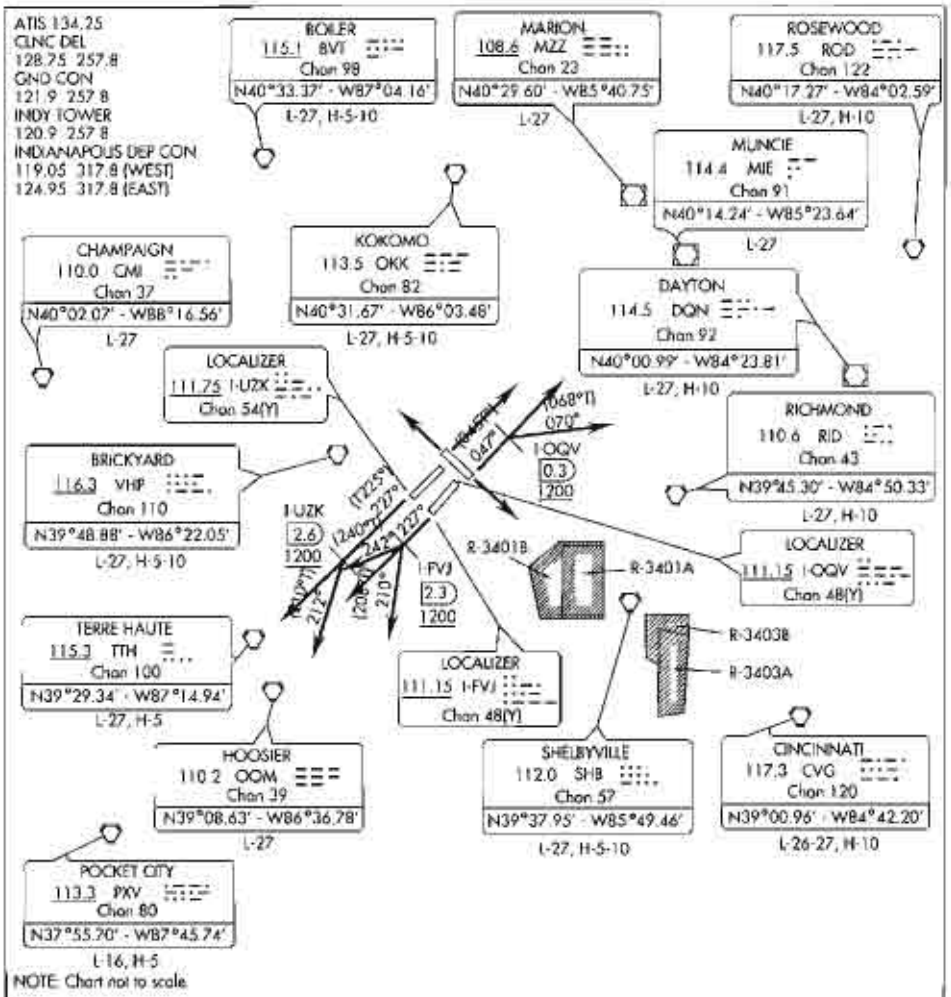
Procedure Comments: ENROUTE **Remark Type:** INFORMATION

pg 6 of 6

INDIANAPOLIS, IN INDIANAPOLIS INTL (KIND) INDY FOUR (SID) ENROUTE-YES FC: 7 24.12 PUB: 9.20.12

ATTACHED FORMS: 8260-15B; 8260-15C; 8260-2(S): (INFO ONLY) BOILER (BVT) VTAC, REV 13; BRICKYARD (VHP) VTAC, REV 17; CHAMPION (CMI) VTAC, REV 11; CINNCINNATI (CVG) VTAC, REV 13; DAYTON (DQN) VDME, REV 12; HOOSIER (OOM) VTAC, REV 11; KOKOMO (OKK) VTAC, REV 12; MARION (MZZ) VDME, REV 11; MUNICE (MIE) VDME, REV 10; POCKET CITY (PXV) VTAC, REV 8; RICHMOND (RID) VTAC, REV 13; ROSEWOOD (ROD) VTAC, REV 18; SHELBYVILLE (SHB) VTAC, REV 18; TERRE HAUTE (TTH) VTAC, REV 12.
CONTACT: JILL OLSON, AJV-353 LEAD, 405.954.9568:

INDY FOUR DEPARTURE



TAKE-OFF MINIMUMS:
Indianapolis Intl: Rwy 5L, 5R, 14, 23L, 23R, 32 Standard.

NOTE: RADAR Required
NOTE: Select appropriate localizer/DME frequency/channel prior to departure.
NOTE: Turbojets accelerate to 250 kias until reaching 100000, if unable advise ATC.

(NARRATIVE ON THE FOLLOWING PAGE)

DEPARTURE ROUTE DESCRIPTION

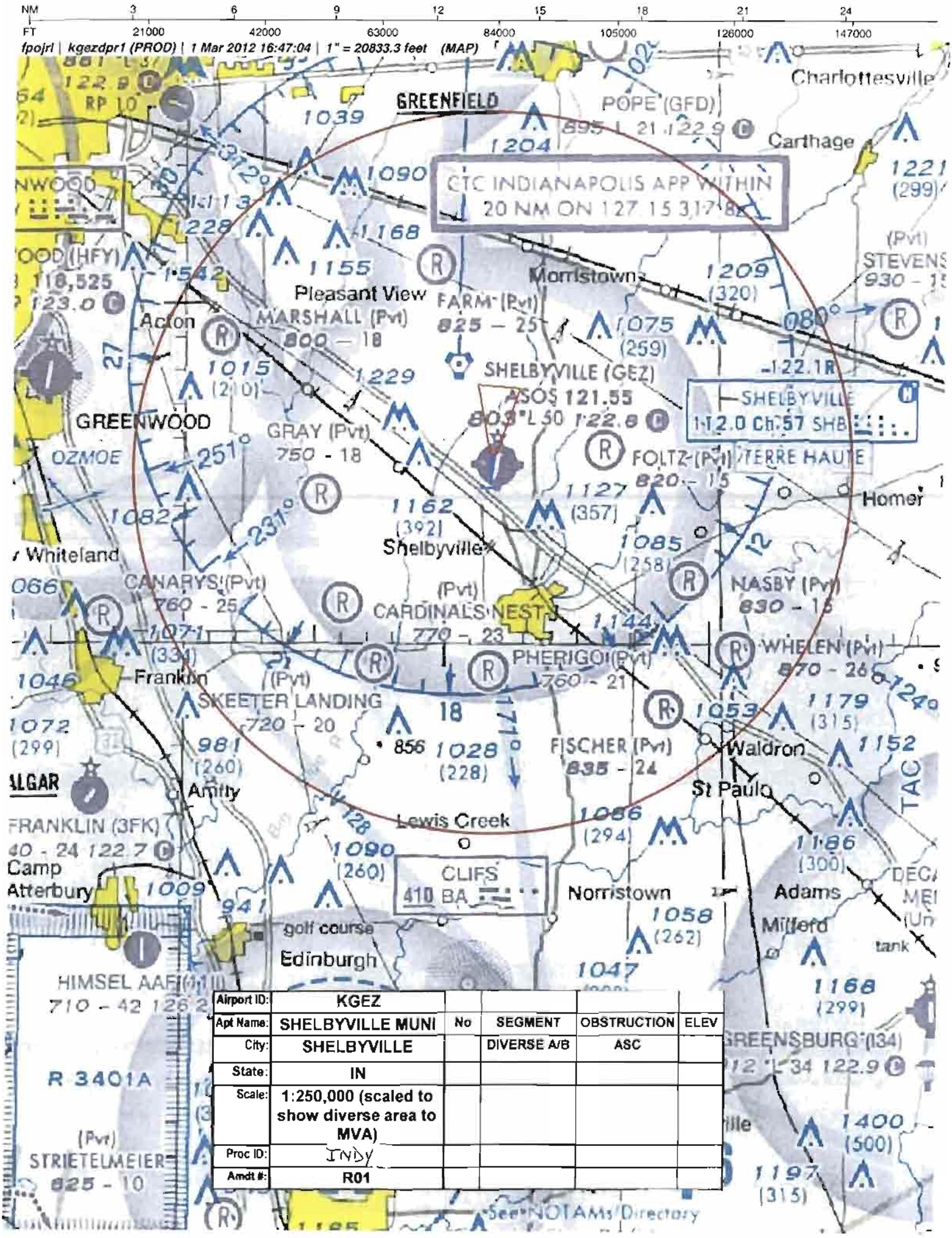
TAKE-OFF RWY 23R (TURBOJETS ONLY-DME REQUIRED): Climb on heading 227° to I-UZK 2.6 DME, then on assigned heading 227° or 212°. Maintain 5000. Thence . . . .
TAKE-OFF RWY 23L (TURBOJETS ONLY-DME REQUIRED): Climb on heading 227° to I-FVJ 2.3 DME, then on assigned heading 210° , 227° , or 242°. Maintain 5000. Thence . . . .
TAKE-OFF RWY 5R (TURBOJETS ONLY-DME REQUIRED): Climb on heading 047° to I-OQV 0.3 DME, then on assigned heading 047° or 070°. Maintain 5000. Thence . . . .
TAKE-OFF ALL OTHER RWYS (TURBOJETS ONLY): Climb on assigned heading Maintain 5000. Thence . . .
TAKE-OFF ALL RWYS (PROPELLER ONLY): Climb on assigned heading. Maintain 3000. Thence . . . .
DEPARTING EAGLE CREEK AIRPARK: TAKEOFF RWY 3: Climb heading 030° to 2100 before turning right. Then on assigned heading to assigned altitude. Thence . . . .
DEPARTING GREENWOOD MUNI: TAKEOFF RWY 1: Climb heading 010° to 1500 before turning right. Then on assigned heading to assigned altitude. Thence . . . .
DEPARTING INDIANAPOLIS METROPOLITAN: TAKEOFF RWY 33: Climb heading 329° to 1400 before turning left. Then on assigned heading to assigned altitude. Thence . . . .
DEPARTING INDIANAPOLIS RGNL: TAKEOFF 25: Climb on heading 270° to 2000 before turning left. Then on assigned heading to assigned altitude. Thence . . . .
DEPARTING ALL OTHER AUTHORIZED RUNWAYS/AIRPORTS: Climb on assigned heading to assigned altitude. Thence . . . .

. . . . Expect radar vectors to assigned route/fix. Expect clearance to requested altitude ten minutes after departure.

TAKEOFF OBSTACLES

NOTE: Rwy 05L: Rod on OL microwave Tower 5052' from DER, 140' right of centerline, 129' AGL/923' MSL. Tower 5073' from DER, 93' right of centerline, 128' AGL/923' MSL.
NOTE: Rwy 05R: Tower 3756' from DER, 1048' left of centerline, 111' AGL/901' MSL. Rod on OL dome 3765' from DER, 1076' left of centerline, 107' AGL/901' MSL.
NOTE: Rwy 23R: Tree 3295' from DER, 948' right of centerline, 78' AGL/822' MSL. Tree 5159' from DER, 1144' right of centerline, 101' AGL/870' MSL.
NOTE: Rwy 32: Antenna 2370' from DER, 755' right of centerline, 70' AGL/849' MSL. Tree 2244' from DER, 707' right of centerline, 66' AGL/845' MSL.

PROTOTYPE-NOT FOR NAVIGATION



Airport ID:	KGEZ				
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City:	SHELBYVILLE		DIVERSE A/B	ASC	
State:	IN				
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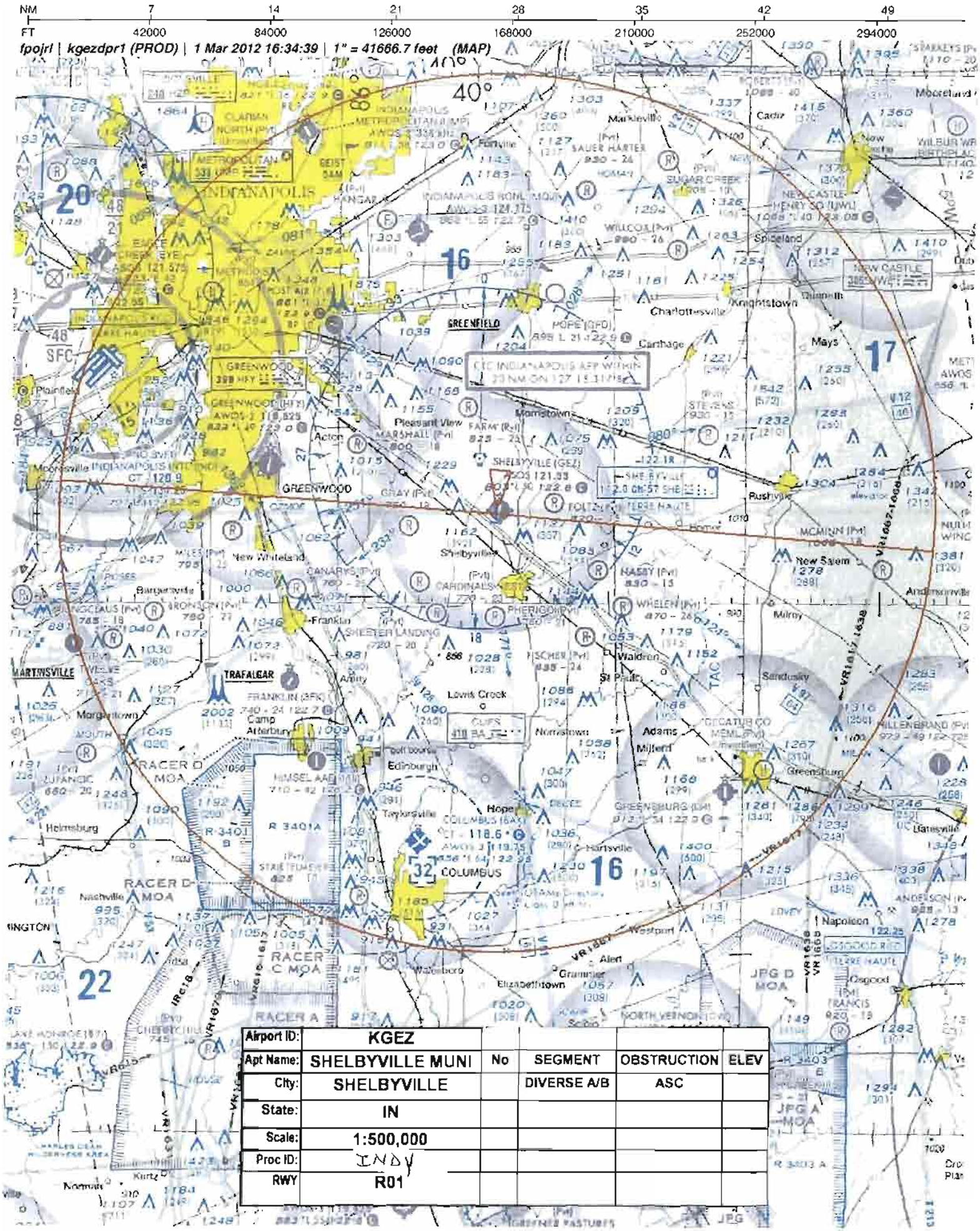
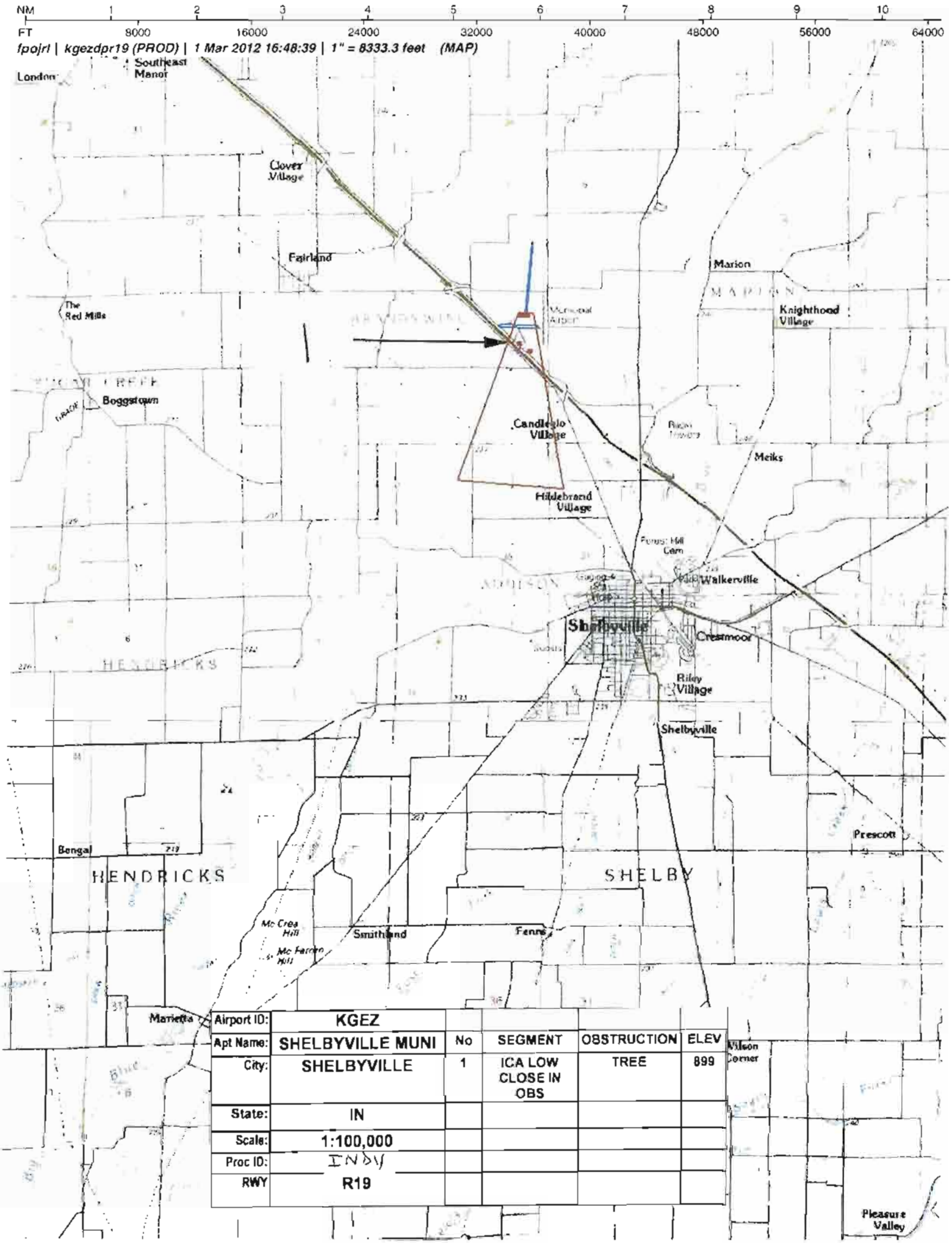
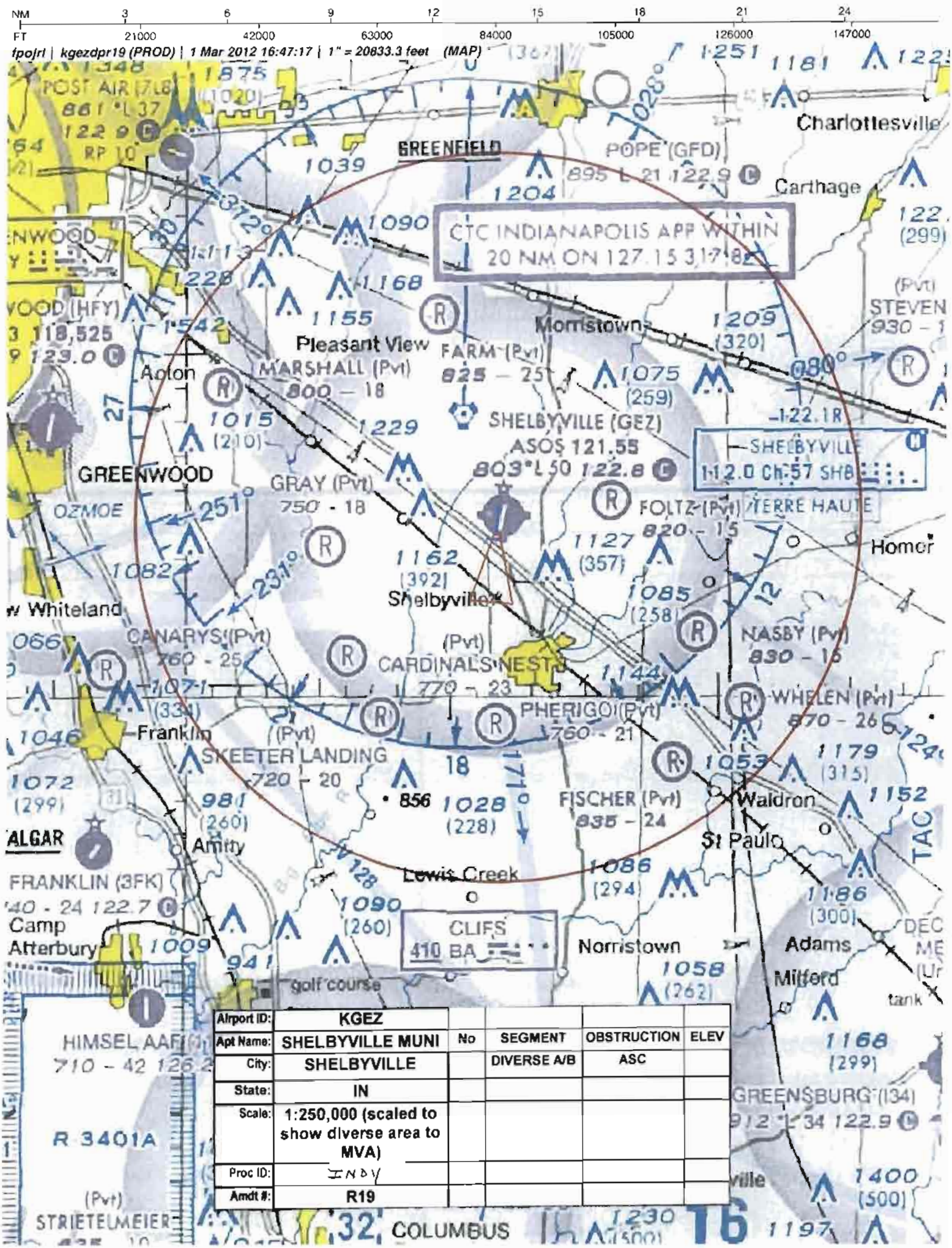
Proc ID:	INDY				
Amdt #:	R01				

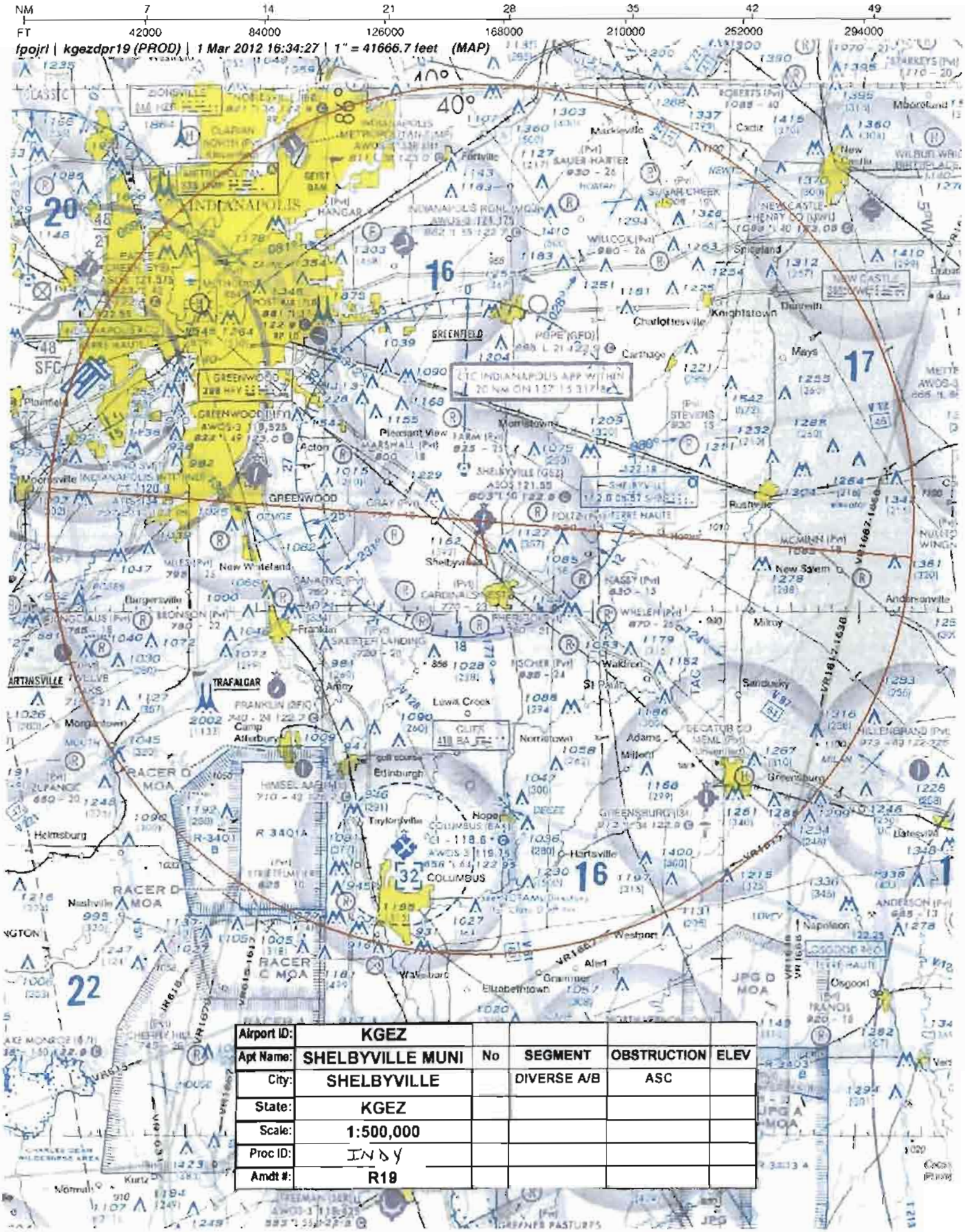

NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpojrl | kgezdpr1 (PROD) | 1 Mar 2012 16:34:39 | 1" = 41666.7 feet (MAP)
INDIANAPOLIS
GREENFIELD
GREENWOOD
SHELBYVILLE
TRAFALGAR
MARTINSVILLE
COLUMBUS
RACER D MOA
RACER C MOA
RACER A
JPG D MOA
JPG A MOA
Airport ID: KGEZ
Apt Name: SHELBYVILLE MUNI
City: SHELBYVILLE
State: IN
Scale: 1:500,000
Proc ID: INDY
RWY R01
No
SEGMENT
OBSTRUCTION
ELEV
DIVERSE A/B
ASC



Airport ID:	KGEZ				
Apt Name:	SHELBYVILLE MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City:	SHELBYVILLE	1	ICA LOW CLOSE IN OBS	TREE	899
State:	IN				
Scale:	1:100,000				
Proc ID:	INDV				
RWY	R19				



Airport ID:	KGEZ				
Apt Name:	SHELBYVILLE MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City:	SHELBYVILLE		DIVERSE A/B	ASC	
State:	IN				
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDV				
Amdt #:	R19				



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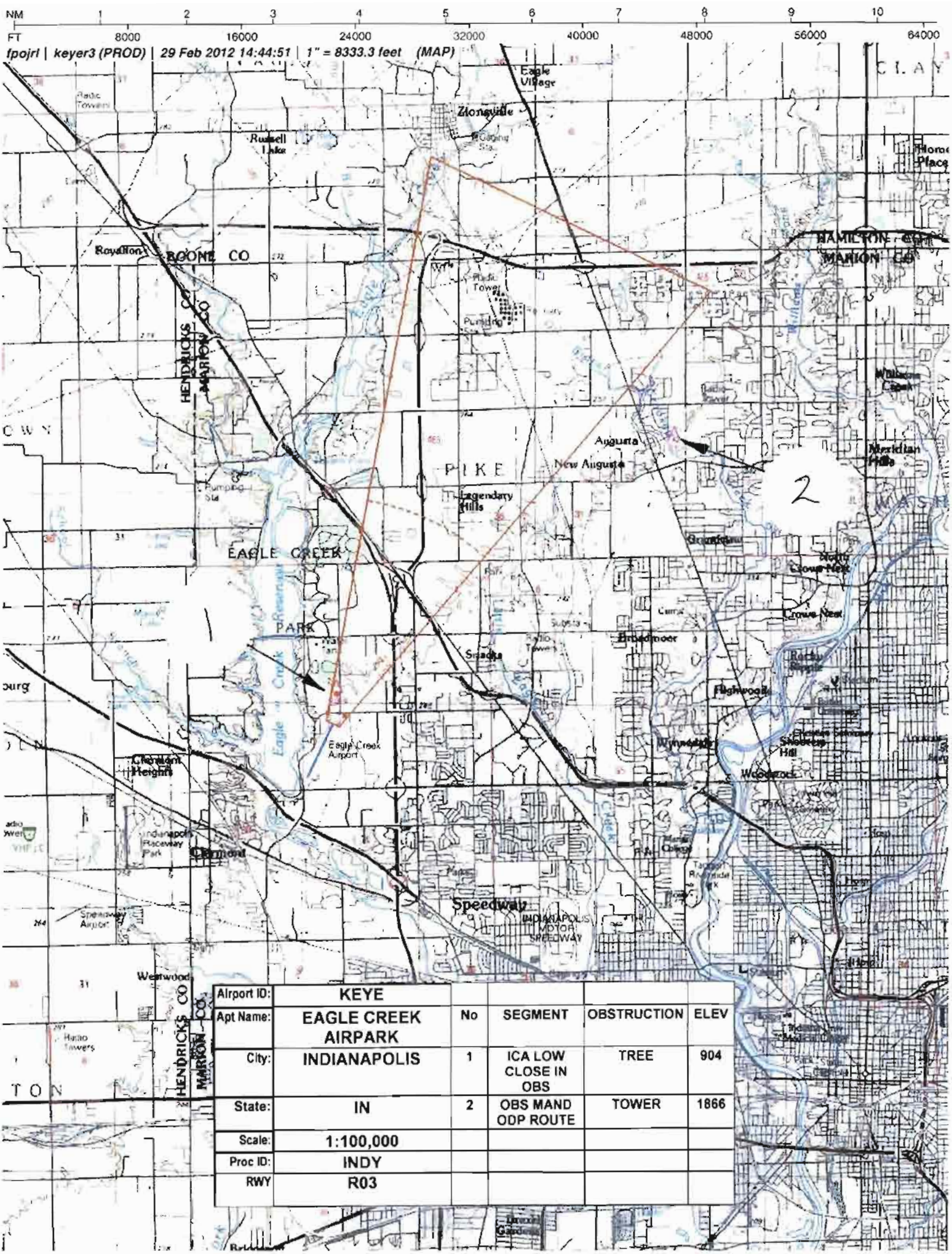
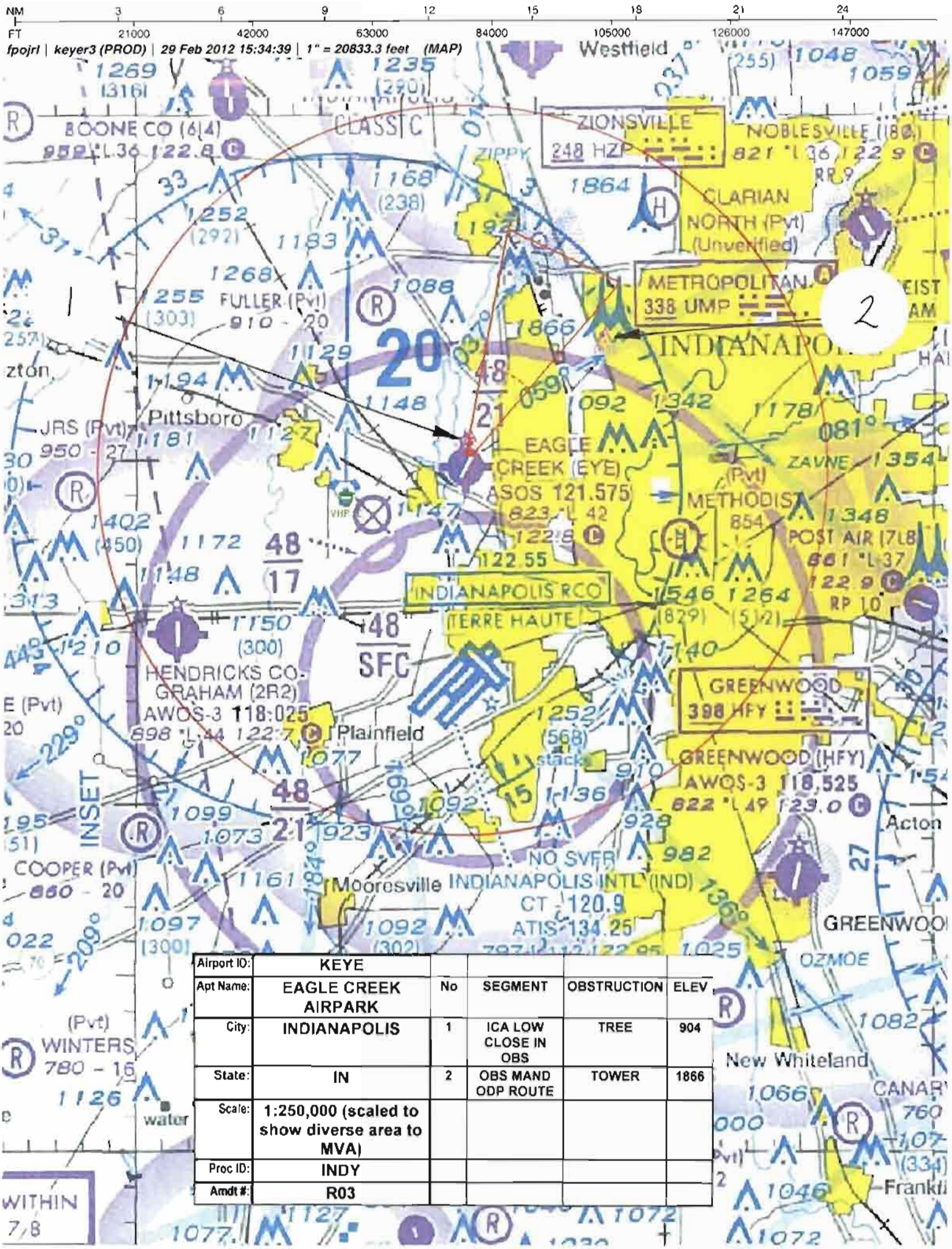
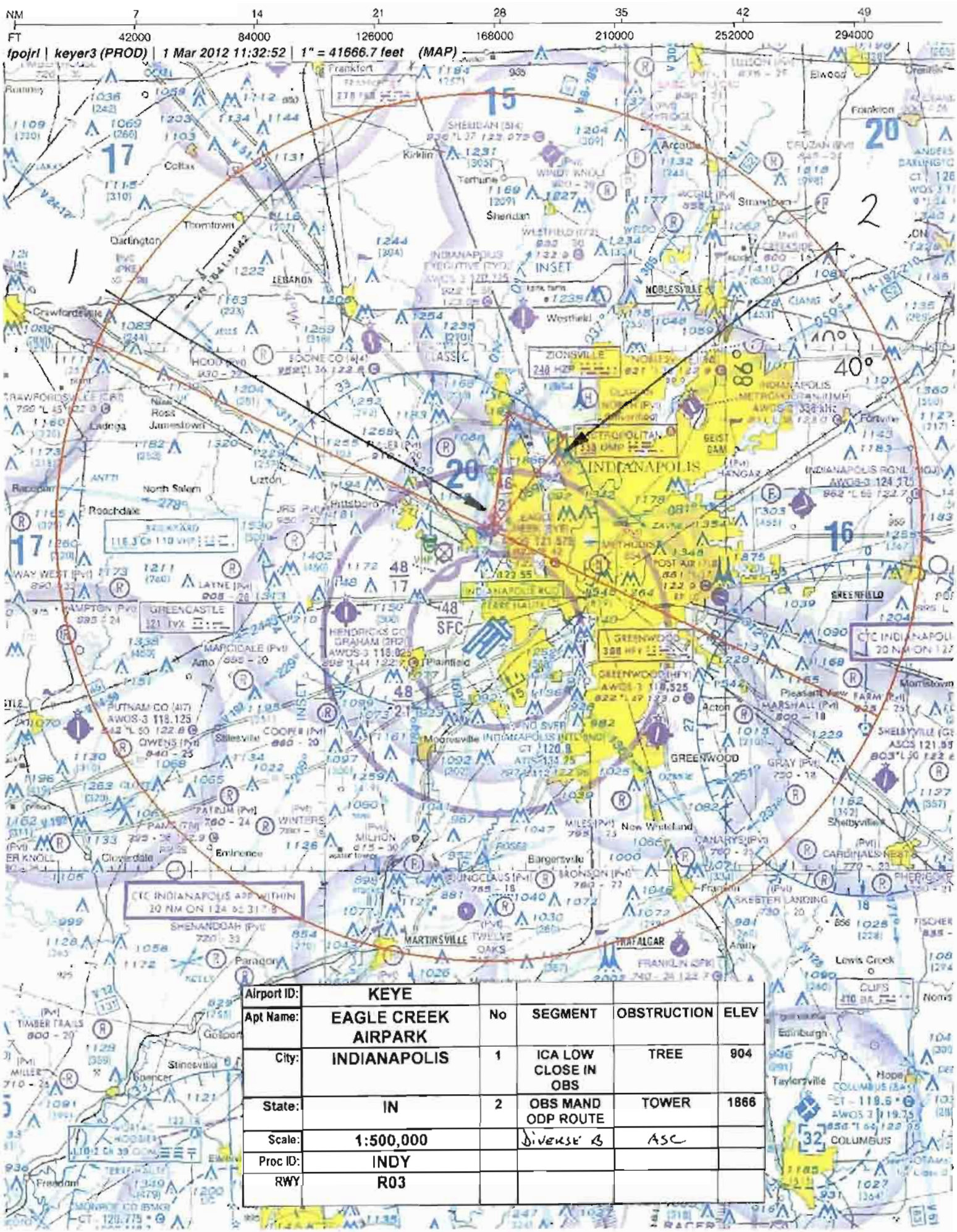
Apt Name:	SHELBYVILLE MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City:	SHELBYVILLE		DIVERSE A/B	ASC	
State:	KGEZ				
Scale:	1:500,000				
Proc ID:	INDY				
Amdt #:	R19				



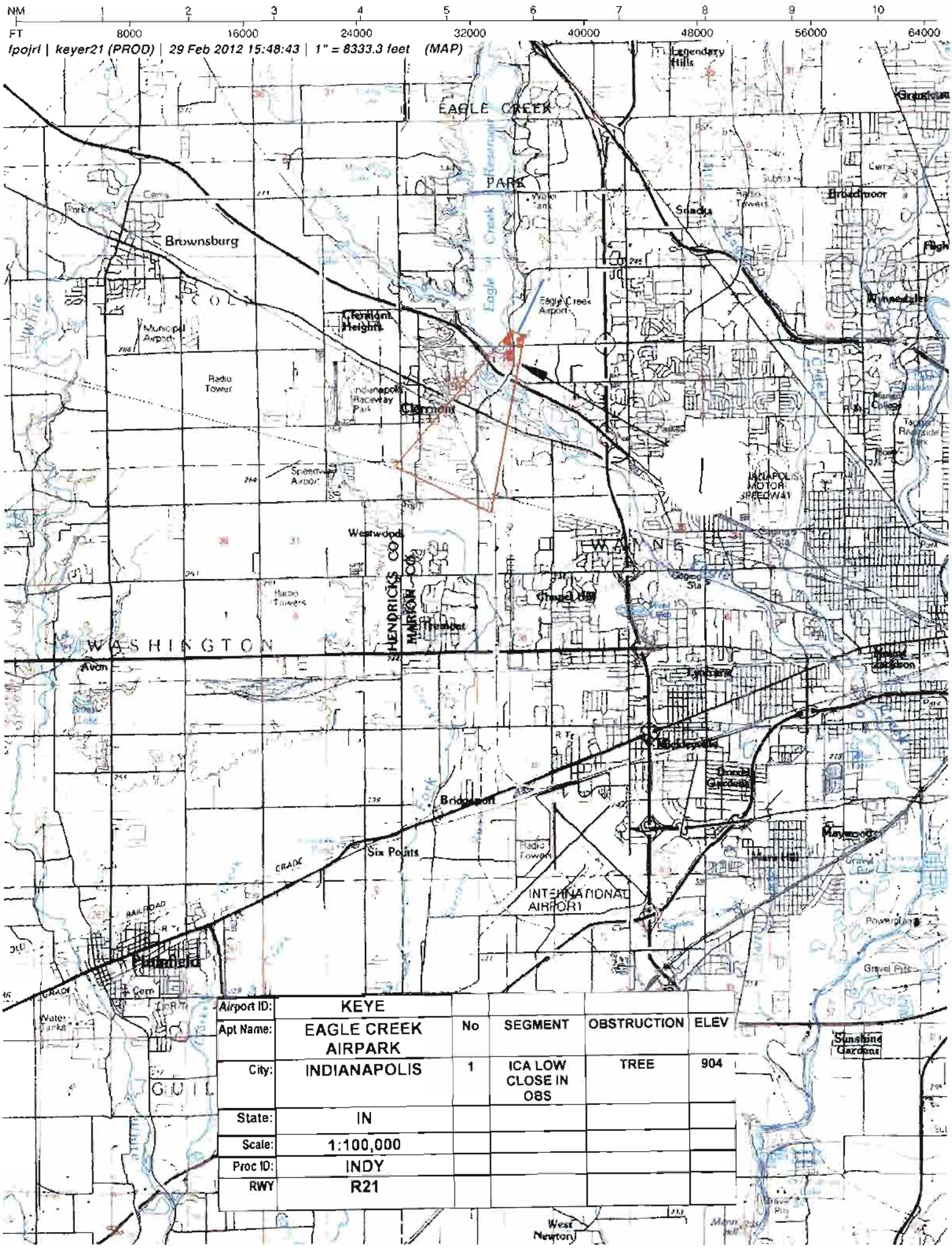
Airport ID:	KEYE				
Apt Name:	EAGLE CREEK AIRPARK	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	904
State:	IN	2	OBS MAND ODP ROUTE	TOWER	1866
Scale:	1:100,000				
Proc ID:	INDY				
RWY	R03				



Airport ID:	KEYE				
Apt Name:	EAGLE CREEK AIRPARK	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	904
State:	IN	2	OBS MAND ODP ROUTE	TOWER	1866
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDY				
Amdt #:	R03				



Airport ID:	KEYE				
Apt Name:	EAGLE CREEK AIRPARK	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	904
State:	IN	2	OBS MAND ODP ROUTE	TOWER	1866
Scale:	1:500,000		Diverse B	ASC	
Proc ID:	INDY				
RWY	R03				



Airport ID:	KEYE				
Apt Name:	EAGLE CREEK AIRPARK	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	904
State:	IN				
Scale:	1:100,000				
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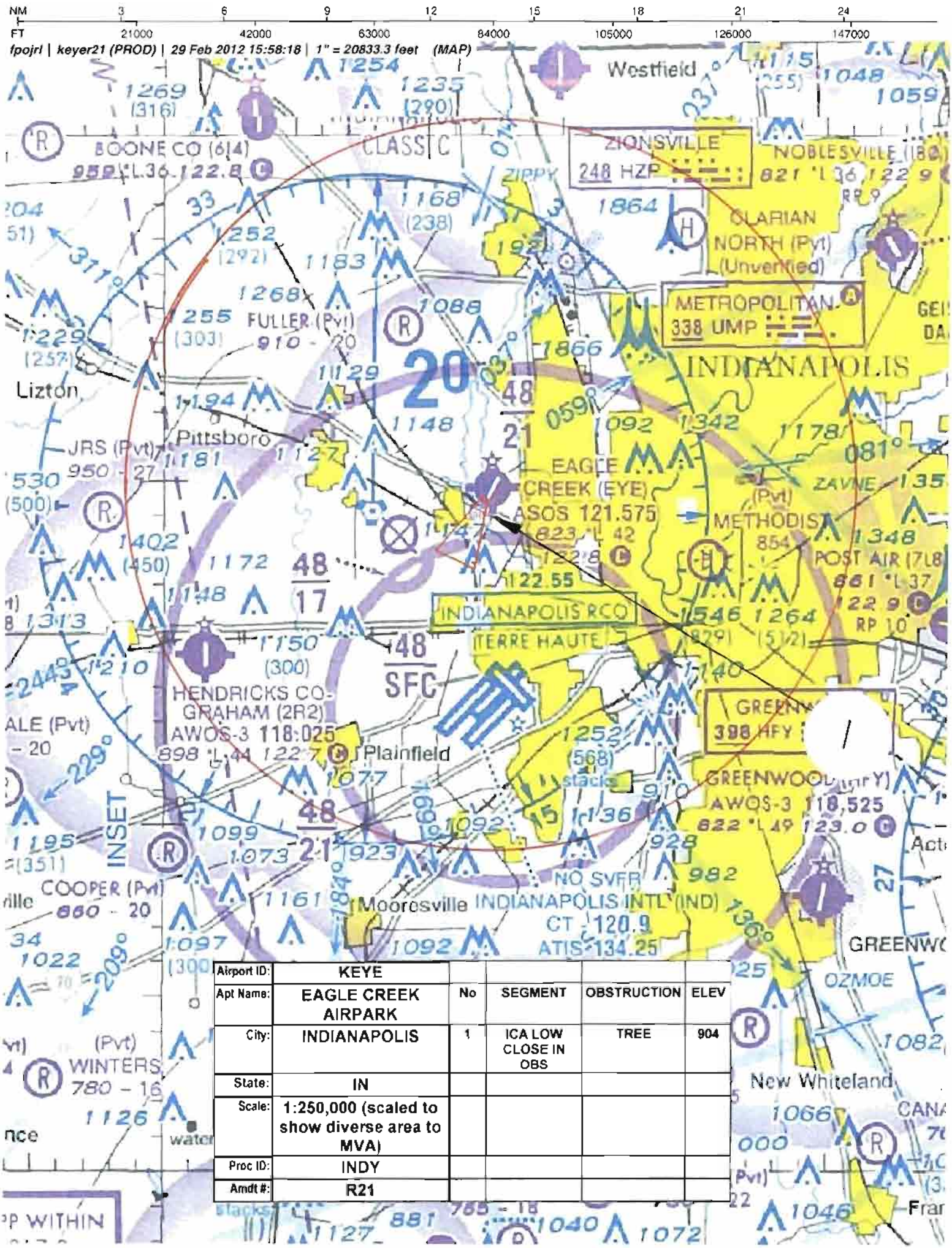
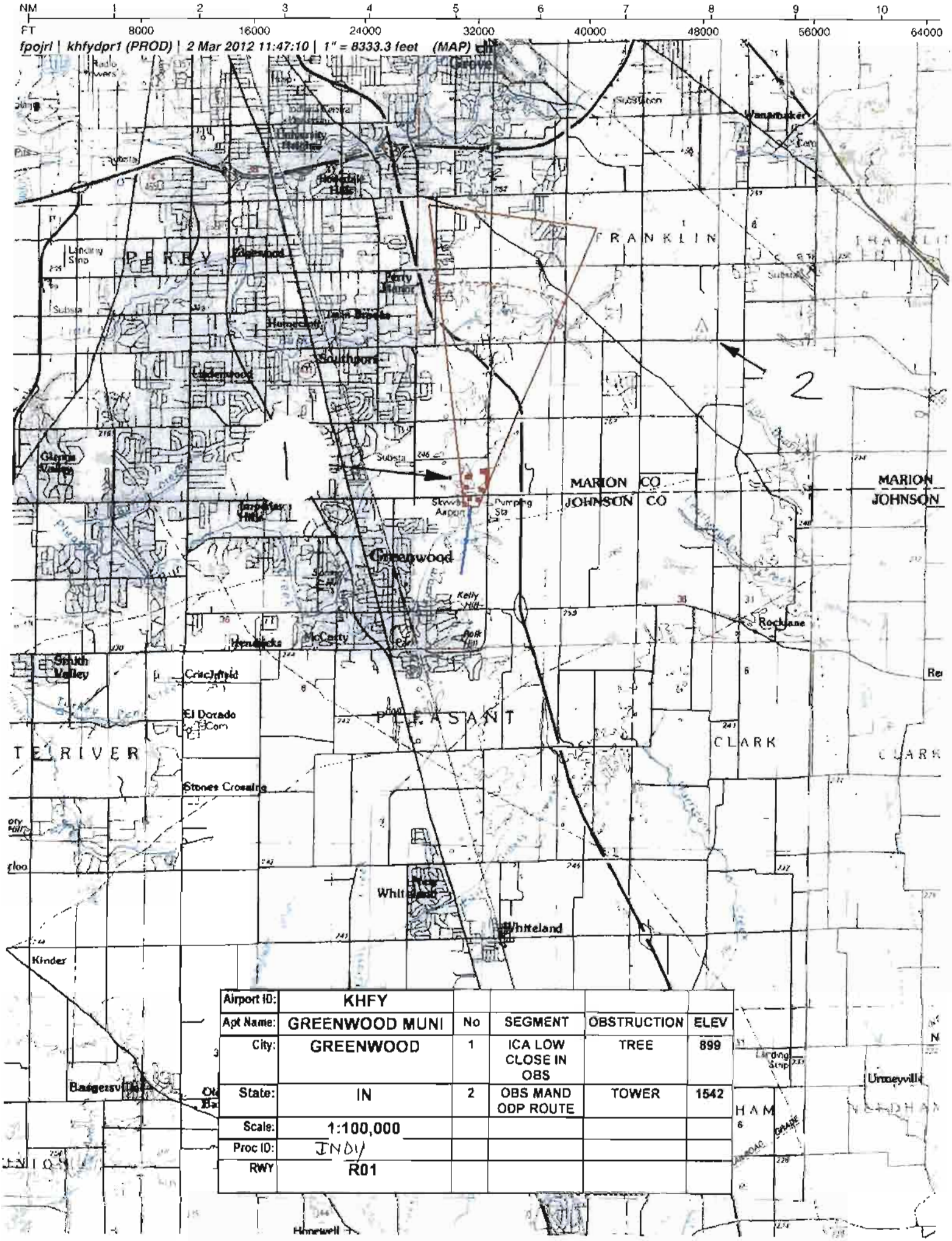
RWY	R21				



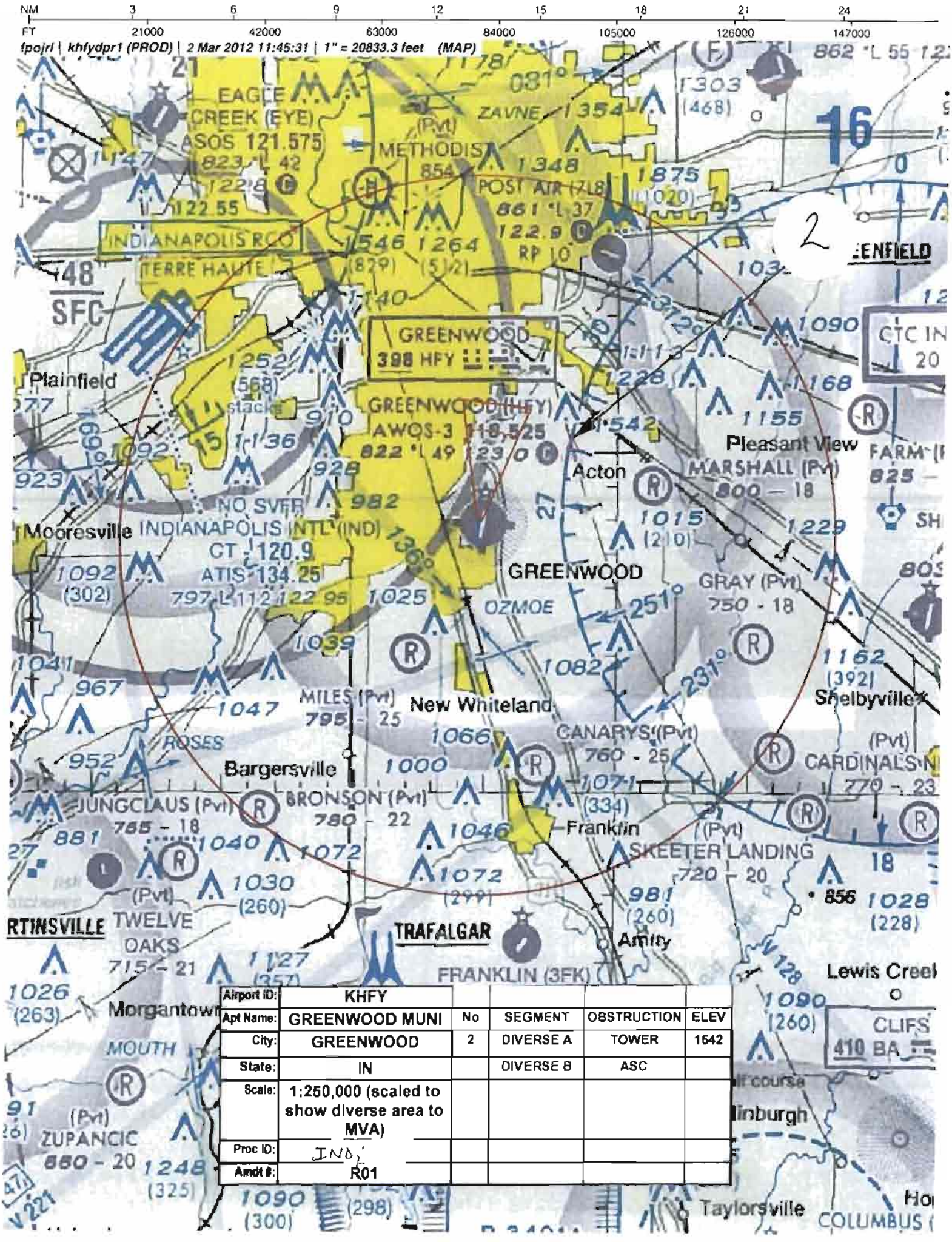
Airport ID:	KEYE				
Apt Name:	EAGLE CREEK AIRPARK	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	904
State:	IN				
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDY				
Amdt #:	R21				

fpojrl | keyer21 (PROD) | 1 Mar 2012 10:46:32 | 1" = 41666.7 feet (MAP)

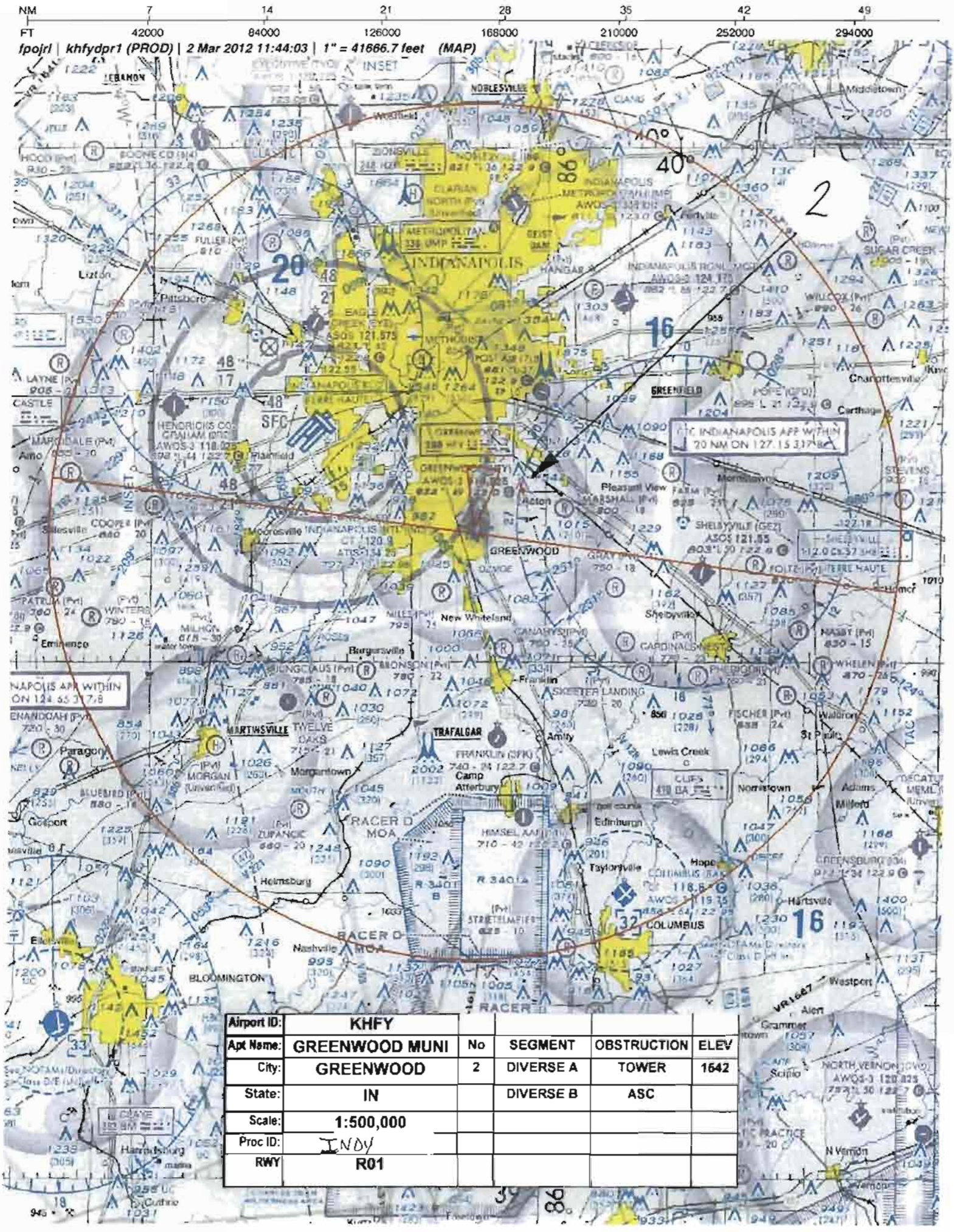
Airport ID:	KEYE				
Apt Name:	EAGLE CREEK AIRPARK	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	904
State:	IN		Diverse N/G	A+C	
Scale:	1:500,000				
Proc ID:	INDY				
RWY	R21				



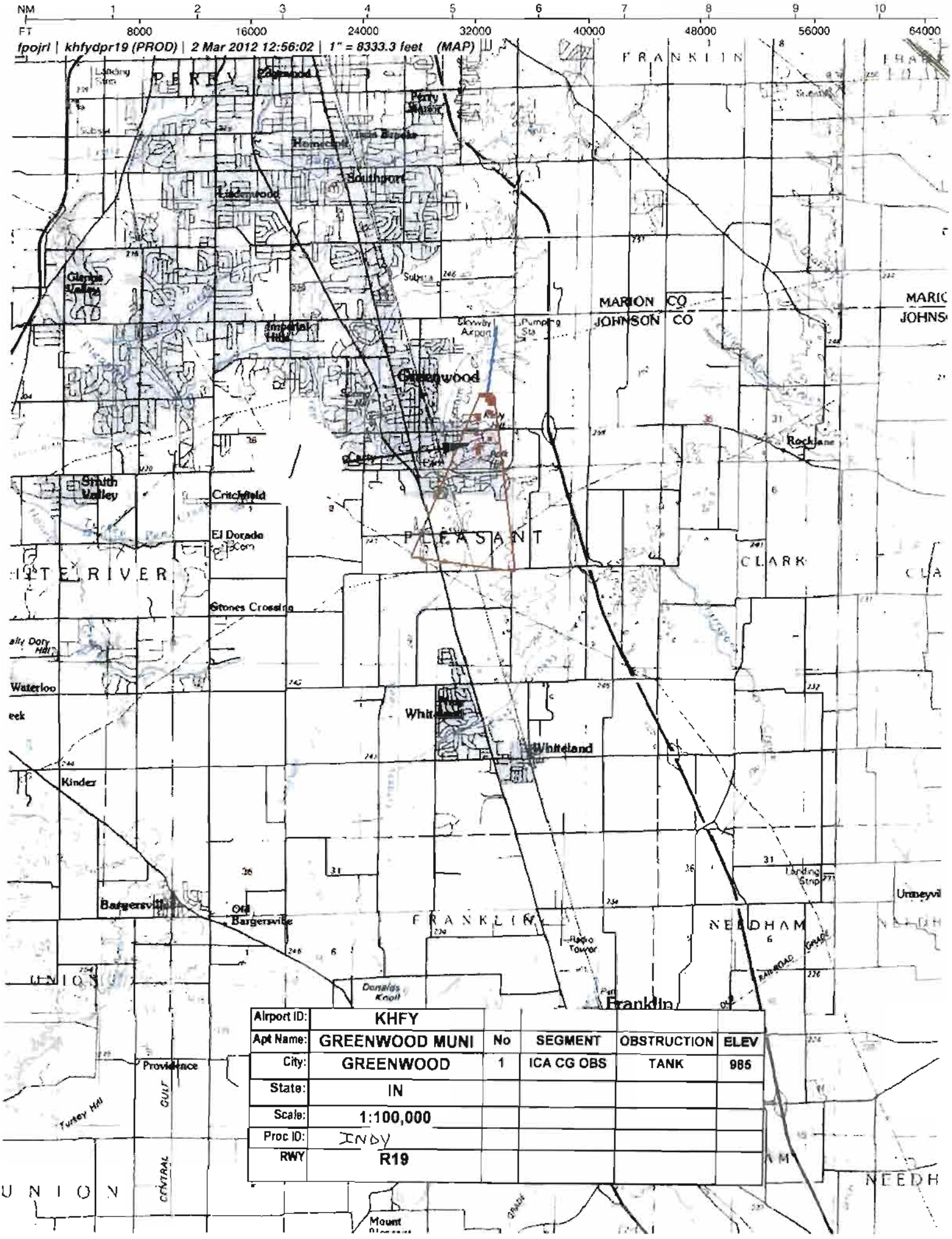
Airport ID:	KHFY				
Apt Name:	GREENWOOD MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City:	GREENWOOD	1	ICA LOW CLOSE IN OBS	TREE	899
State:	IN	2	OBS MAND ODP ROUTE	TOWER	1542
Scale:	1:100,000				
Proc ID:	INDI				
RWY	R01				



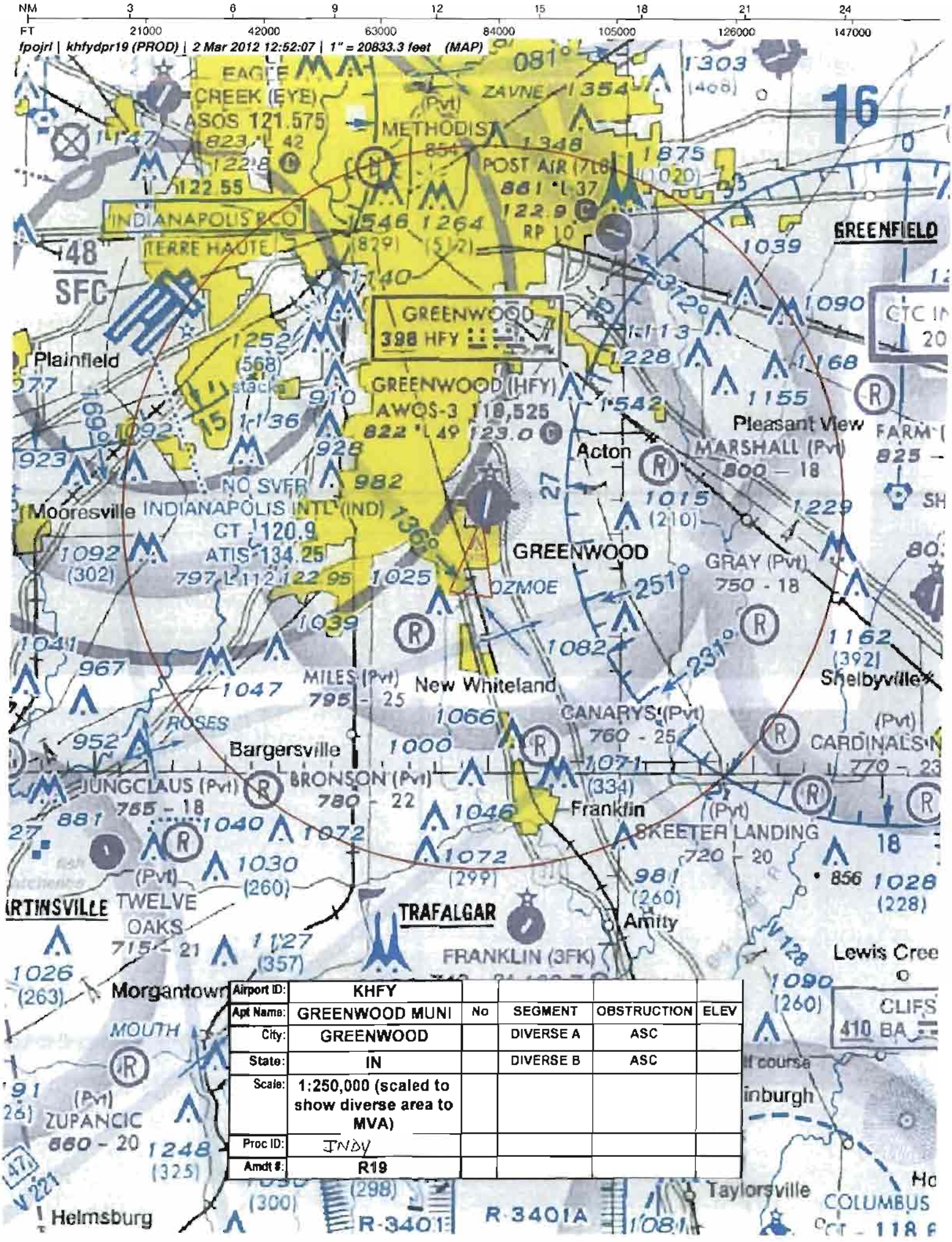
Airport ID:	KHFY				
Apt Name:	GREENWOOD MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City:	GREENWOOD	2	DIVERSE A	TOWER	1542
State:	IN		DIVERSE B	ASC	
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	IND				
Amdt #:	R01				



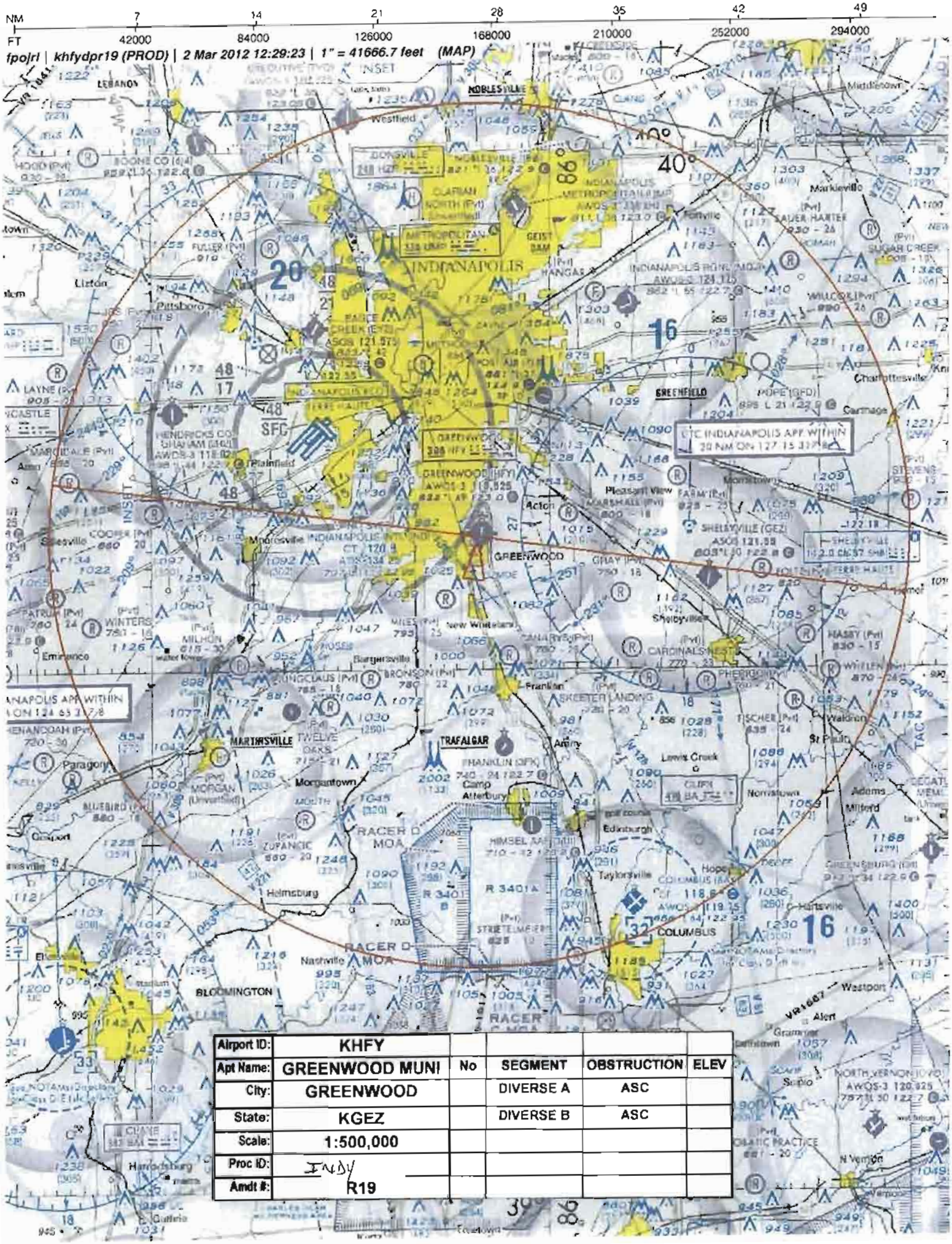
Airport ID:	KHFY				
Apt Name:	GREENWOOD MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City:	GREENWOOD	2	DIVERSE A	TOWER	1642
State:	IN		DIVERSE B	ASC	
Scale:	1:500,000				
Proc ID:	INDY				
RWY	R01				



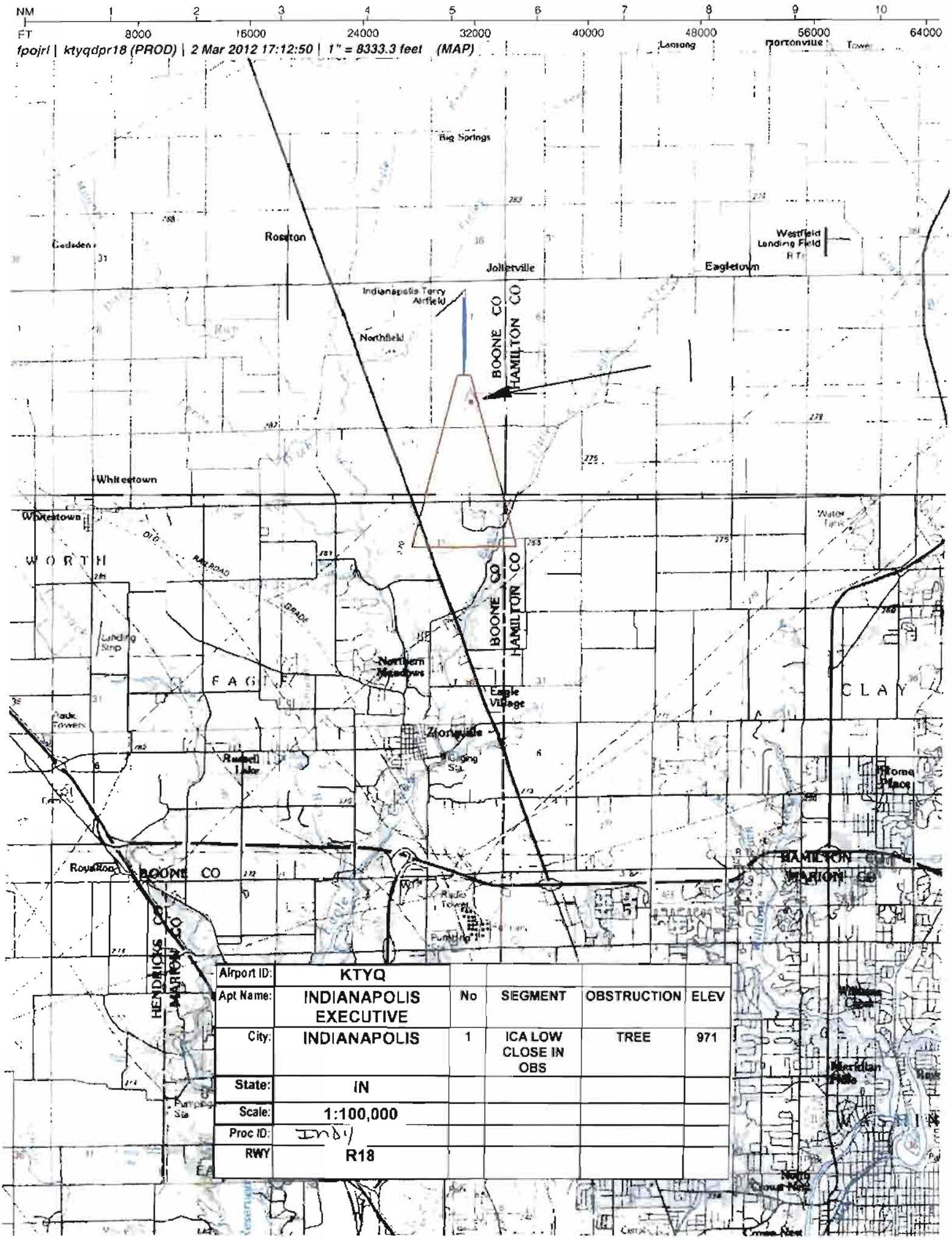
Airport ID:	KHFY				
Apt Name:	GREENWOOD MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City:	GREENWOOD	1	ICA CG OBS	TANK	985
State:	IN				
Scale:	1:100,000				
Proc ID:	INDY				
RWY	R19				

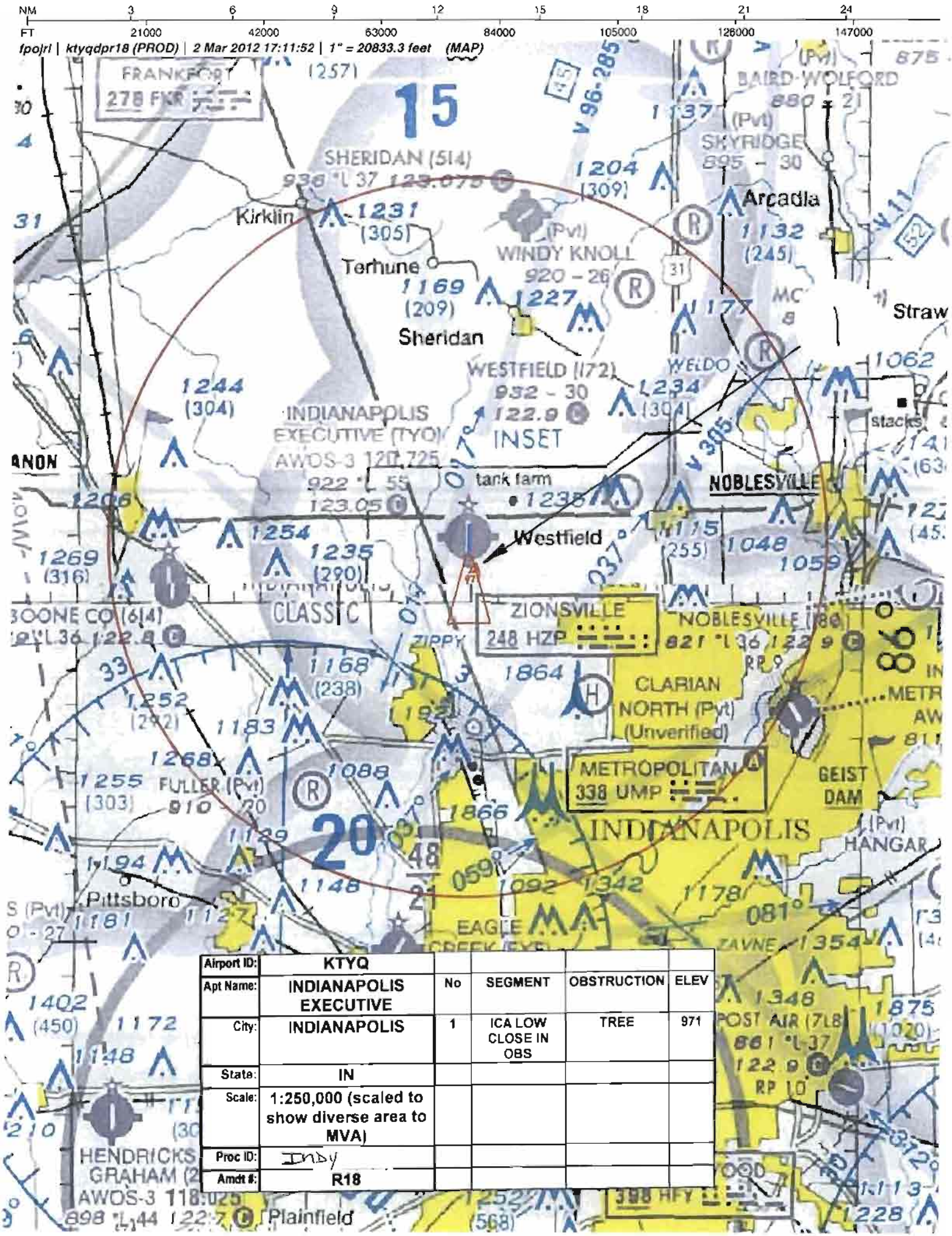


Airport ID:	KHFY				
Apt Name:	GREENWOOD MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City:	GREENWOOD		DIVERSE A	ASC	
State:	IN		DIVERSE B	ASC	
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDY				
Amdt #:	R19				

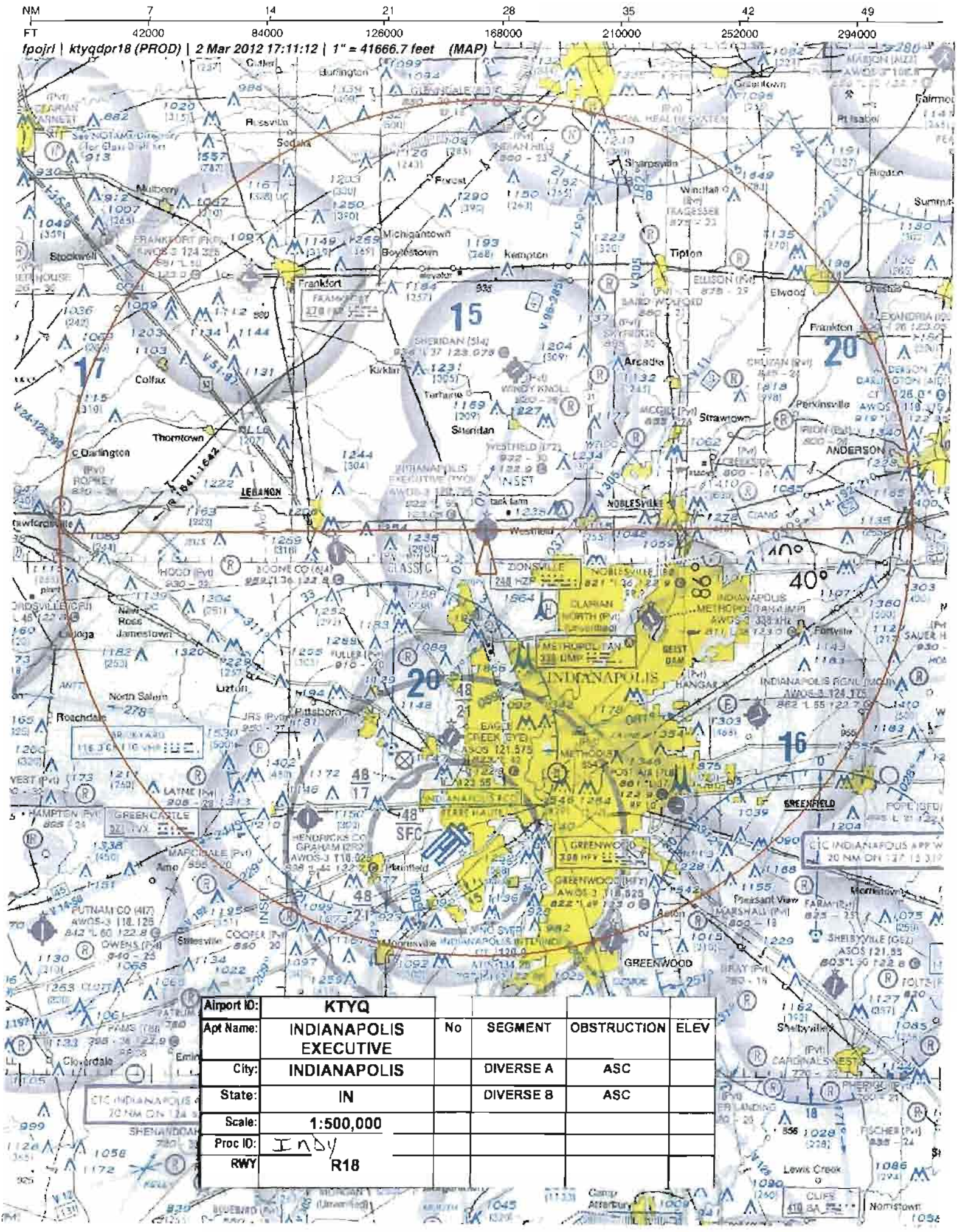


Airport ID:	KHFY				
Apt Name:	GREENWOOD MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City:	GREENWOOD		DIVERSE A	ASC	
State:	KGEZ		DIVERSE B	ASC	
Scale:	1:500,000				
Proc ID:	INDY				
Amdt #:	R19				

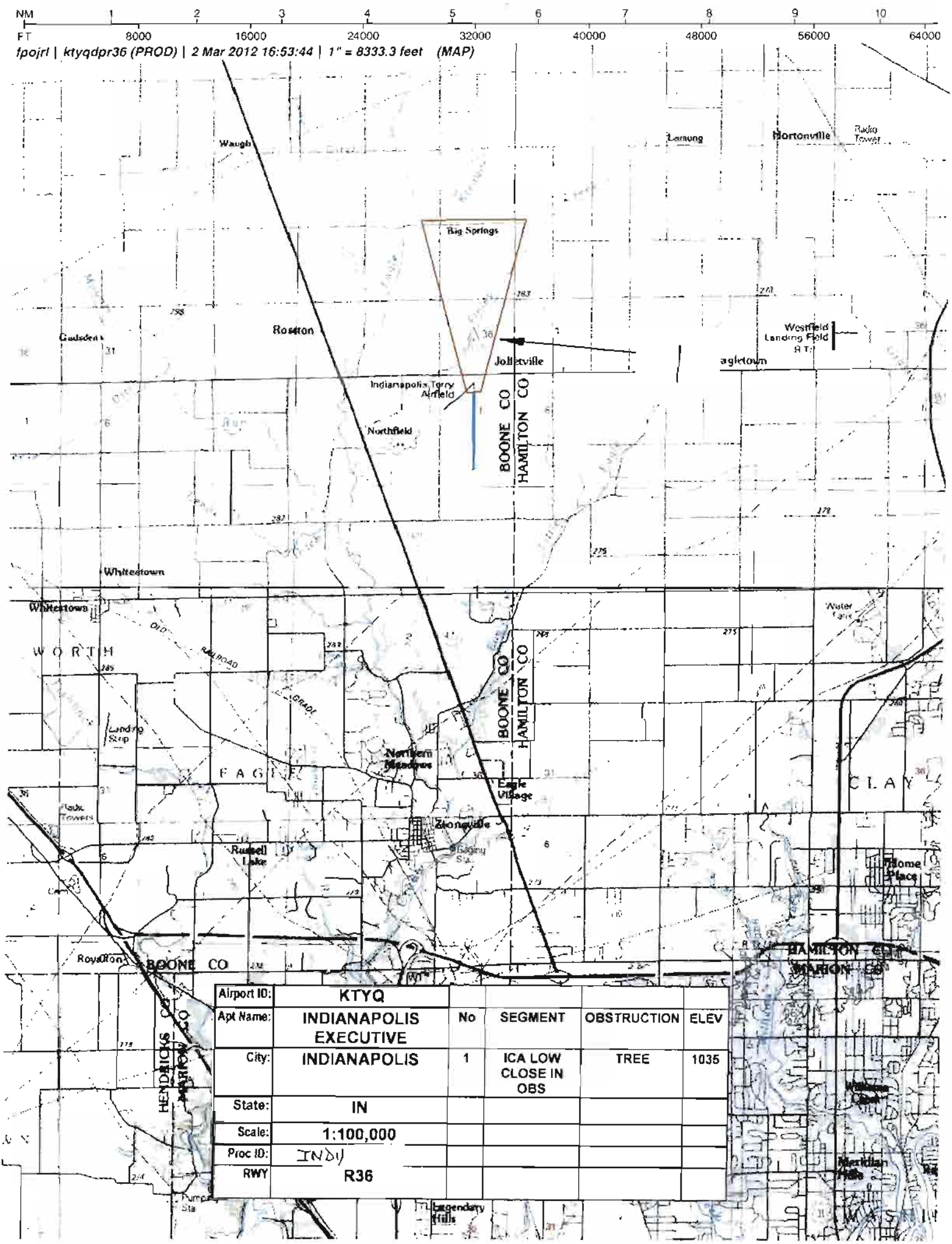

NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpojrl | ktyqdpr18 (PROD) | 2 Mar 2012 17:12:50 | 1" = 8333.3 feet (MAP)
Big Springs
Roseton
Jollierville
Eagletown
Westfield Landing Field
Indianapolis Terry Airfield
Northfield
BOONE CO
HAMILTON CO
Whitestown
WORTH
CLAY
Northern Meadows
Eagle Village
Zionsville
Royalton
HENDRICKS CO
MARION CO
Meridian Hills
Airport ID: KTYQ
Apt Name: INDIANAPOLIS EXECUTIVE
City: INDIANAPOLIS
State: IN
Scale: 1:100,000
Proc ID: Indy
RWY R18
No SEGMENT OBSTRUCTION ELEV
1 ICA LOW CLOSE IN OBS TREE 971



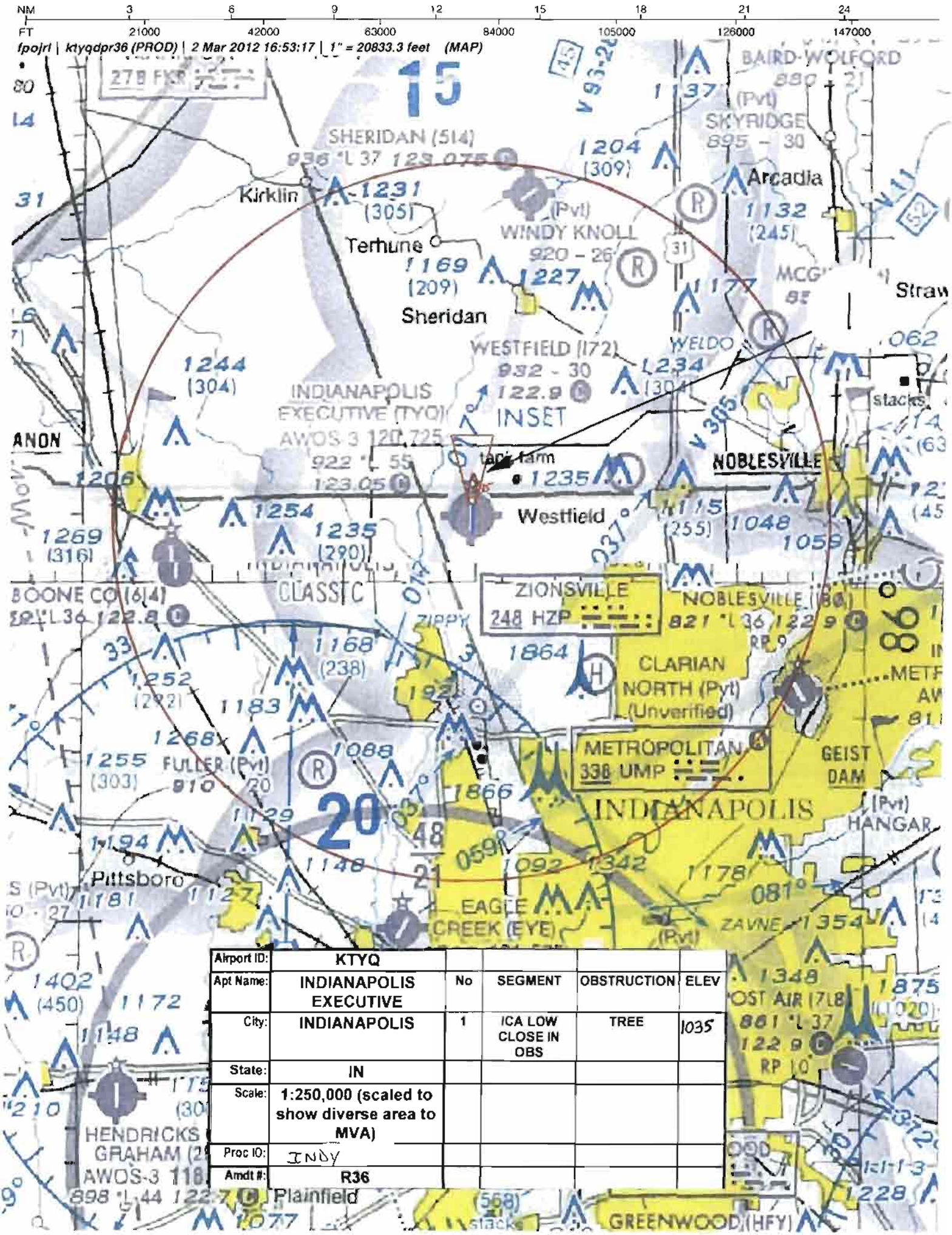
Airport ID:	KTYQ				
Apt Name:	INDIANAPOLIS EXECUTIVE	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	971
State:	IN				
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	Indy				
Amdt #:	R18				



Airport ID:	KTYQ				
Apt Name:	INDIANAPOLIS EXECUTIVE	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS		DIVERSE A	ASC	
State:	IN		DIVERSE B	ASC	
Scale:	1:500,000				
Proc ID:	INDY				
RWY	R18				



Airport ID:	KTYQ				
Apt Name:	INDIANAPOLIS EXECUTIVE	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	1035
State:	IN				
Scale:	1:100,000				
Proc ID:	INDU				
RWY	R36				



Airport ID:	KTYQ				
Apt Name:	INDIANAPOLIS EXECUTIVE	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	1035
State:	IN				
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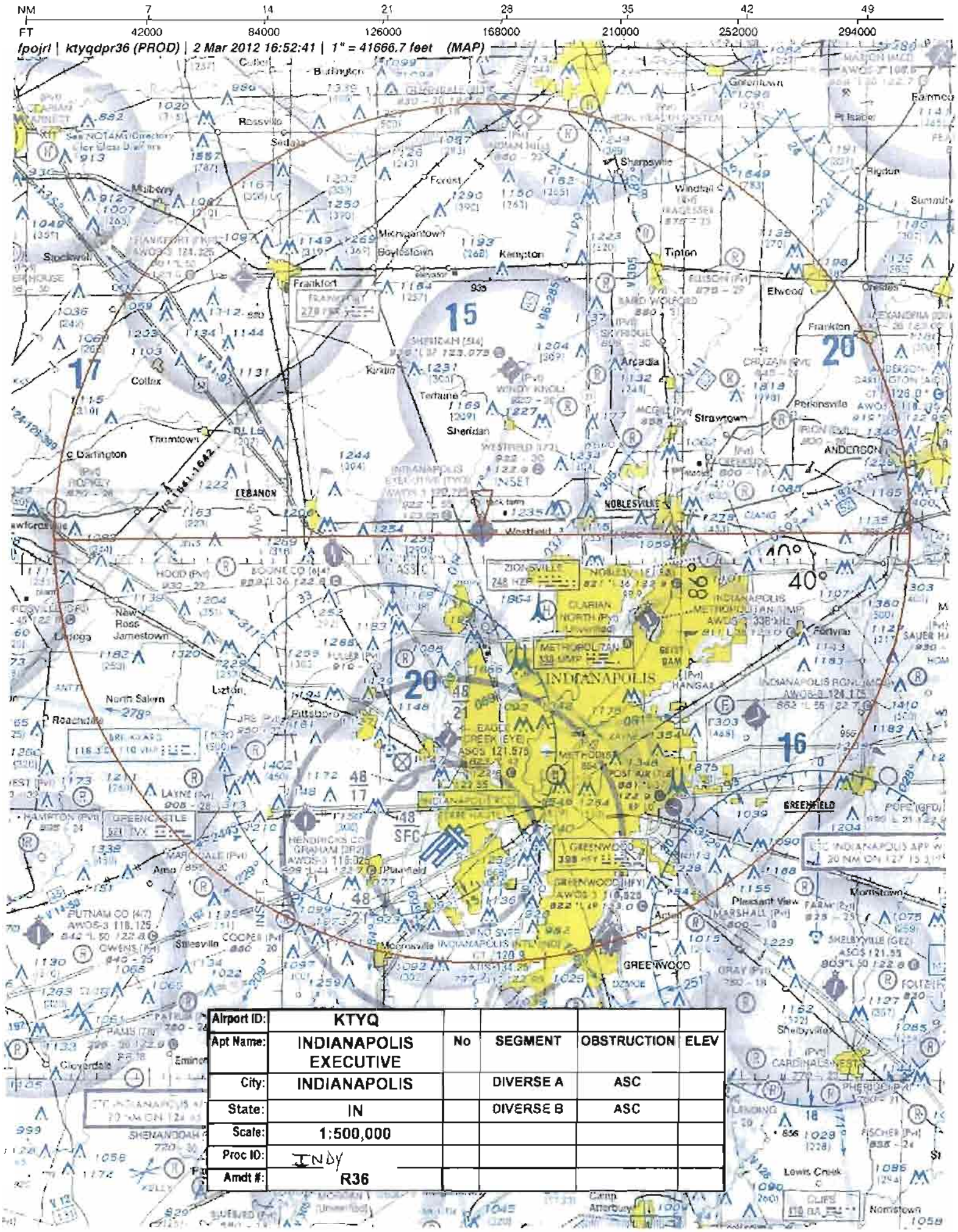
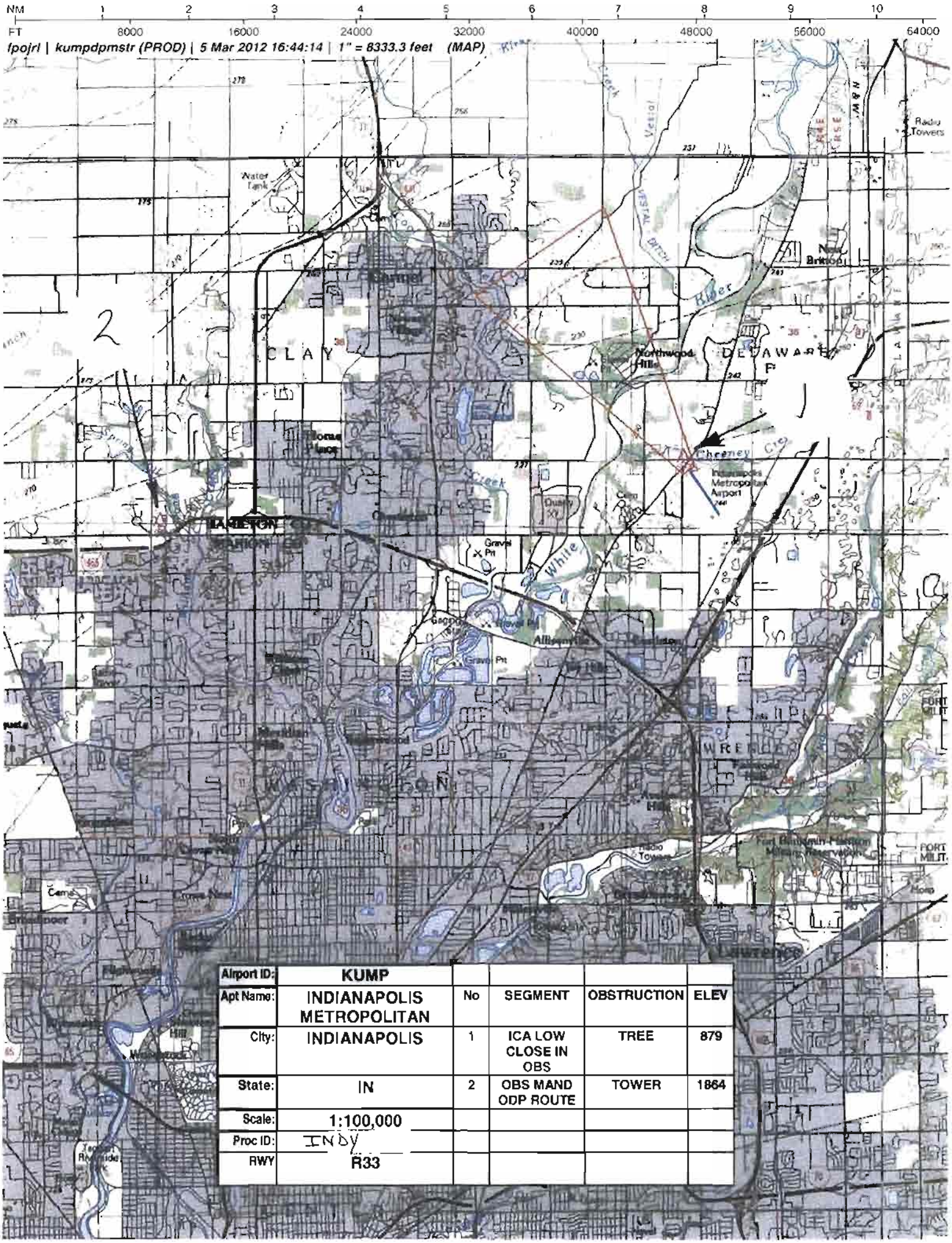
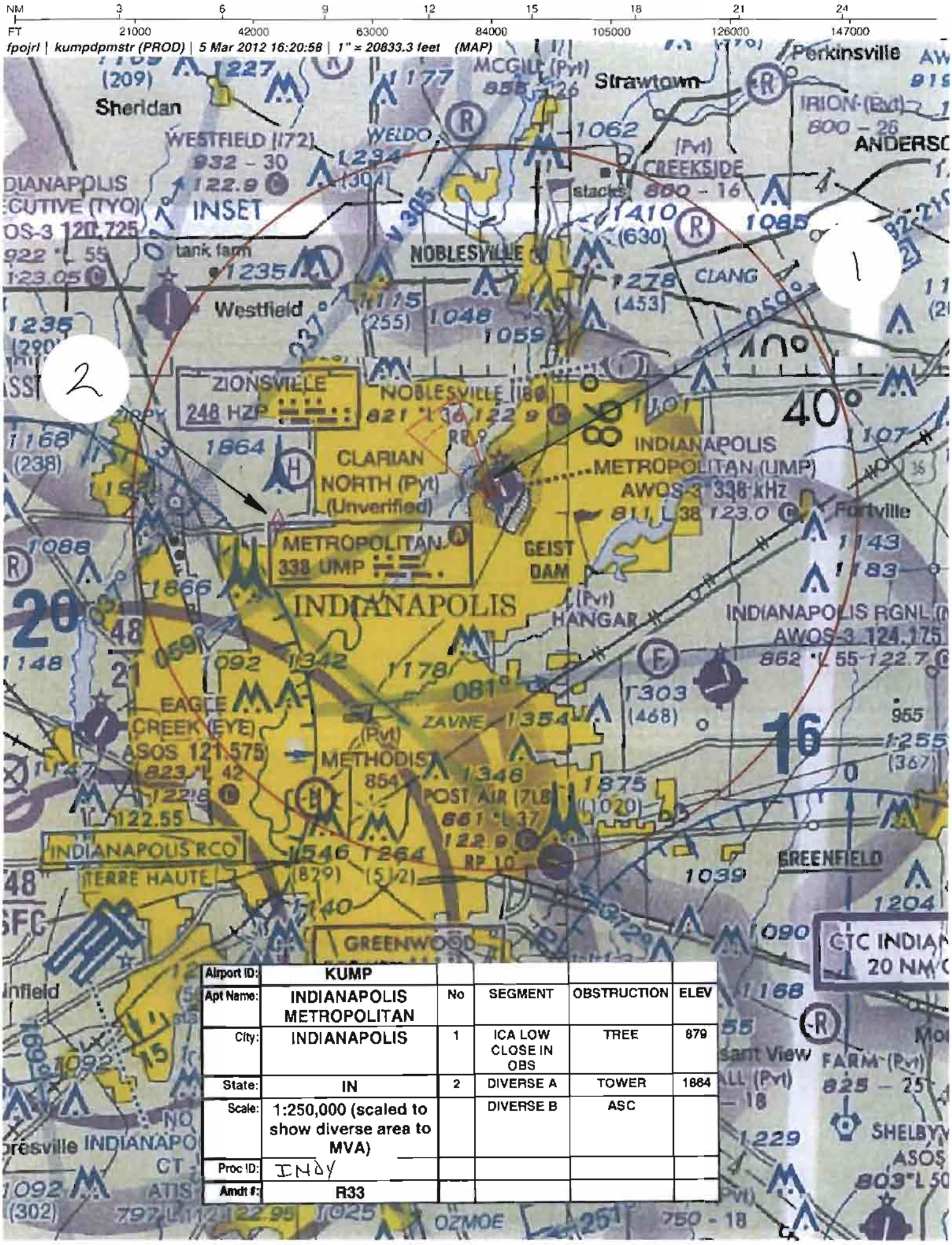
Proc ID:	INDY				
Amdt #:	R36				



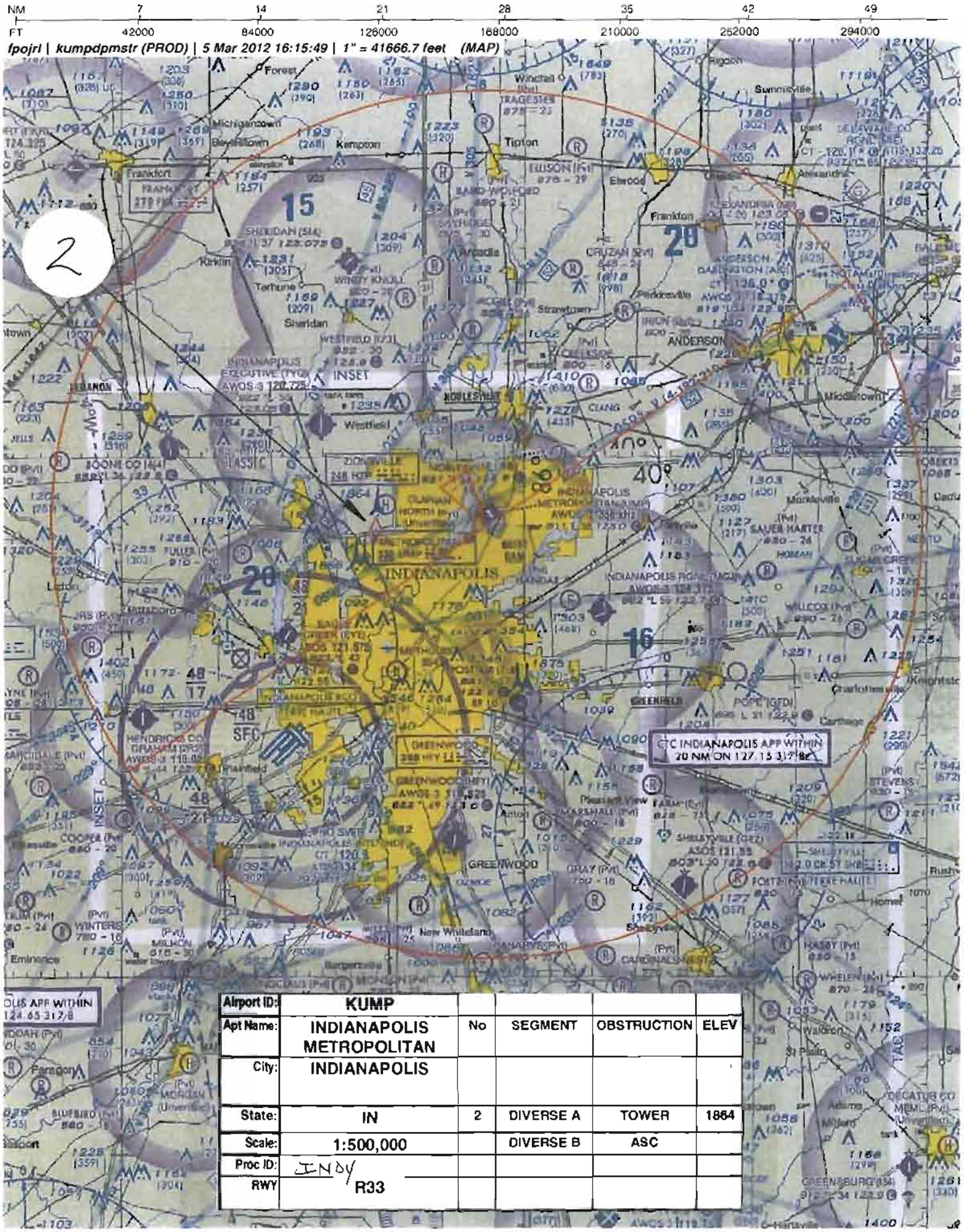
Airport ID:	KTYQ				
Apt Name:	INDIANAPOLIS EXECUTIVE	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS		DIVERSE A	ASC	
State:	IN		DIVERSE B	ASC	
Scale:	1:500,000				
Proc ID:	INDY				
Amdt #:	R36				

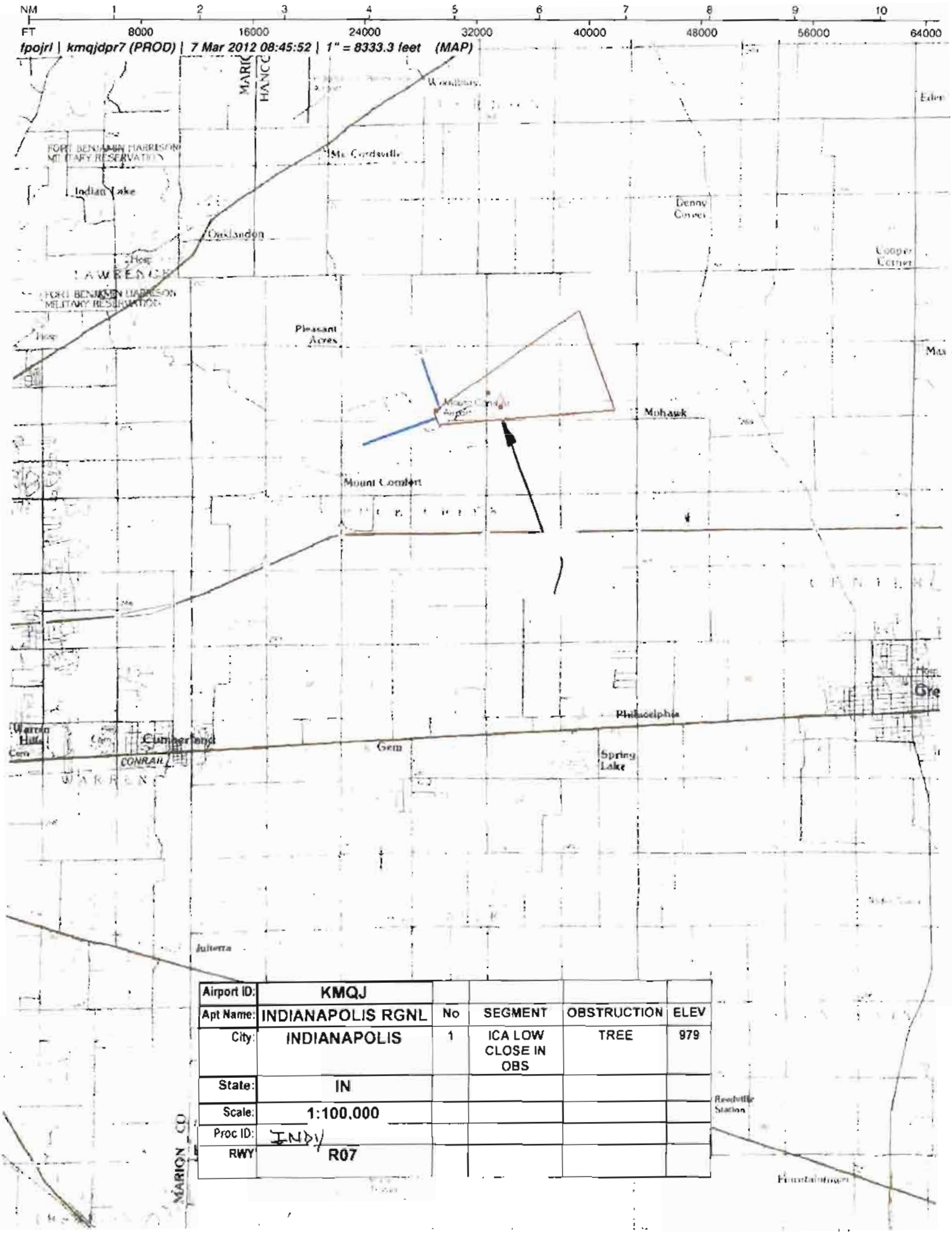


Airport ID:	KUMP				
Apt Name:	INDIANAPOLIS METROPOLITAN	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	879
State:	IN	2	OBS MAND ODP ROUTE	TOWER	1864
Scale:	1:100,000				
Proc ID:	INDY				
RWY	R33				

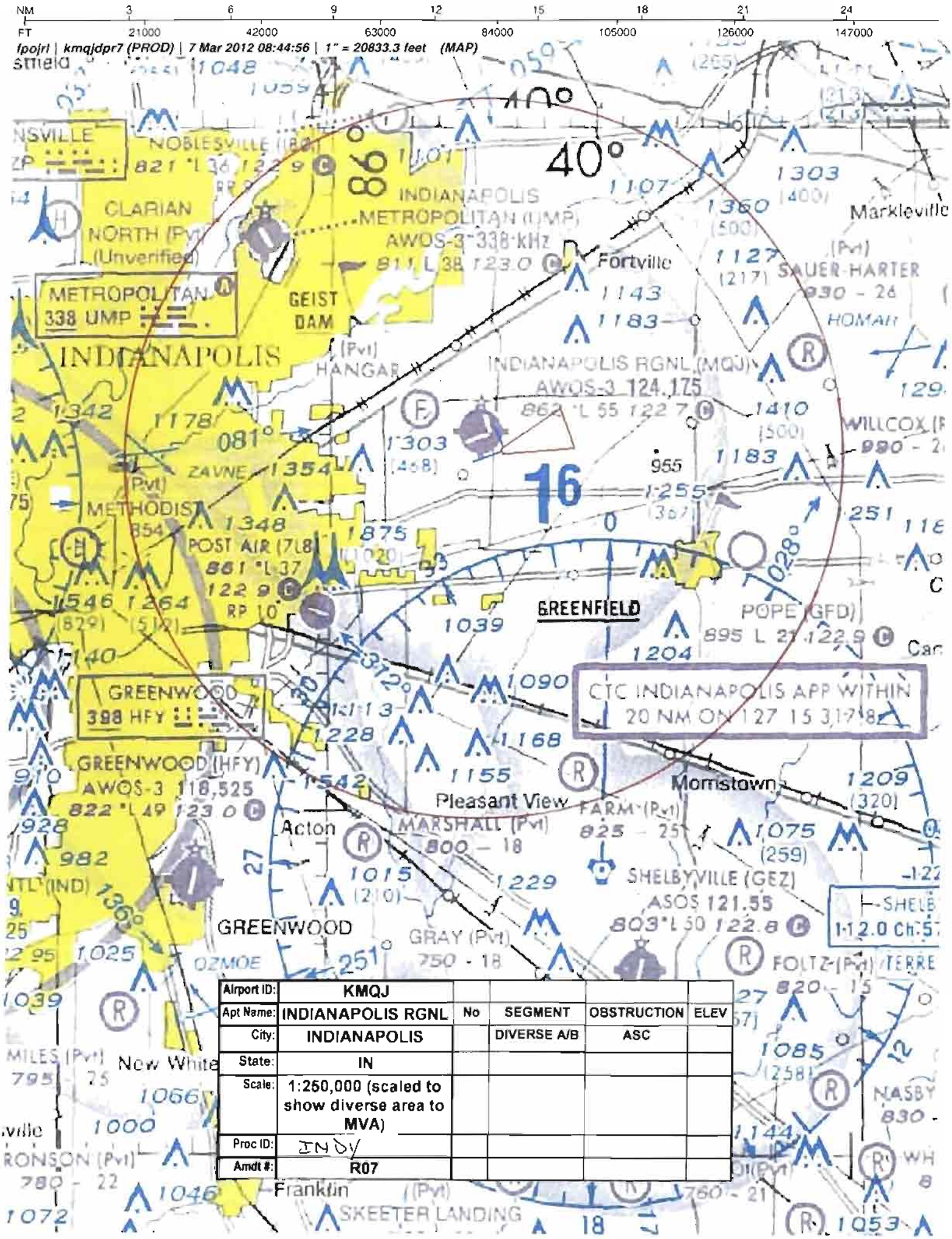


Airport ID:	KUMP				
Apt Name:	INDIANAPOLIS METROPOLITAN	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	879
State:	IN	2	DIVERSE A	TOWER	1864
Scale:	1:250,000 (scaled to show diverse area to MVA)		DIVERSE B	ASC	
Proc ID:	INDY				
Amdt #:	R33				

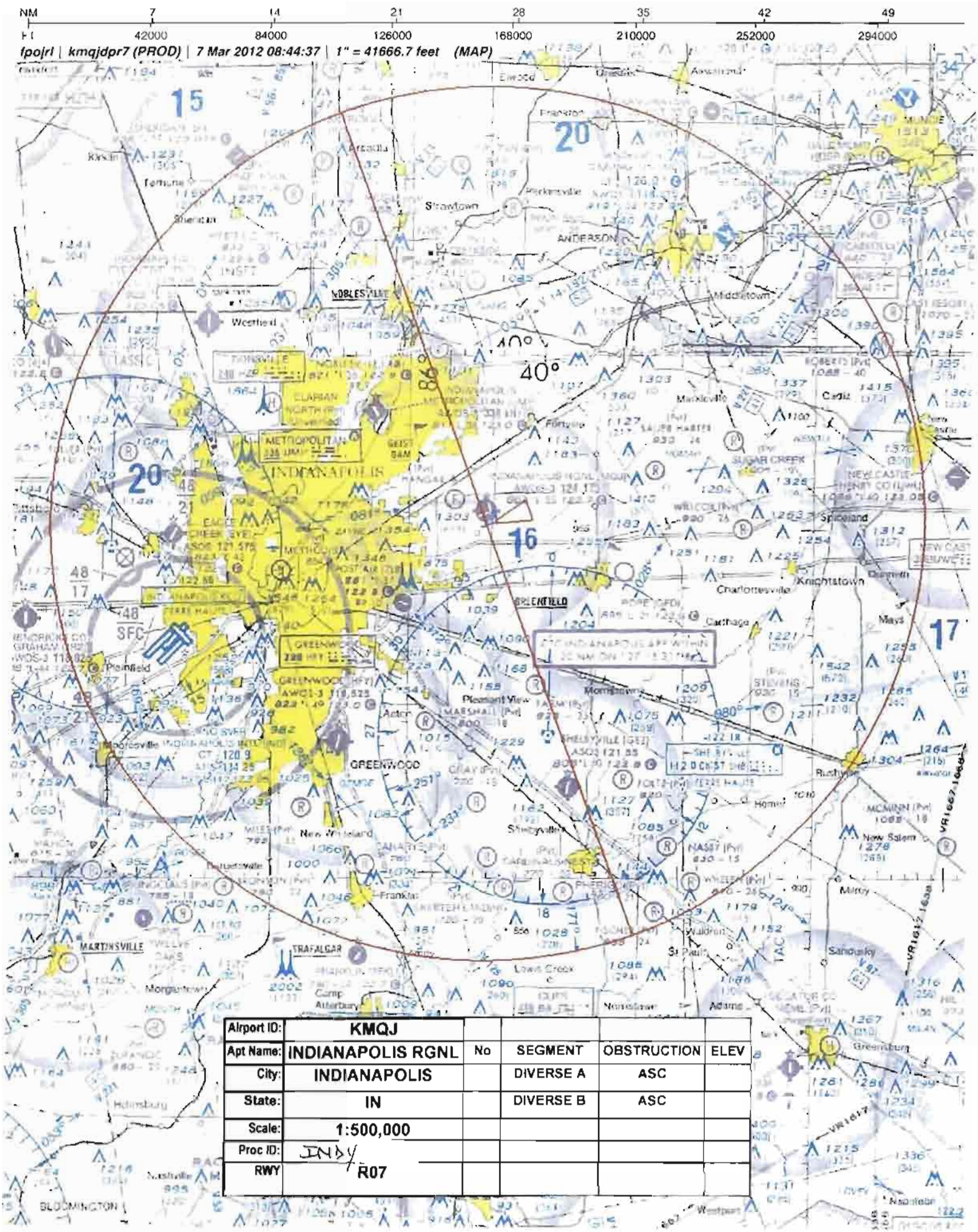

NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpojrl | kumpdpmstr (PROD) | 5 Mar 2012 16:15:49 | 1" = 41666.7 feet (MAP)
2
INSET
INDIANAPOLIS
CTC INDIANAPOLIS APP WITHIN 20 NM ON 127.15 317.8
Airport ID: KUMP
Apt Name: INDIANAPOLIS METROPOLITAN
City: INDIANAPOLIS
State: IN
Scale: 1:500,000
Proc ID: INDY
RWY R33
No 2
SEGMENT DIVERSE A
DIVERSE B
OBSTRUCTION TOWER
ASC
ELEV 1864



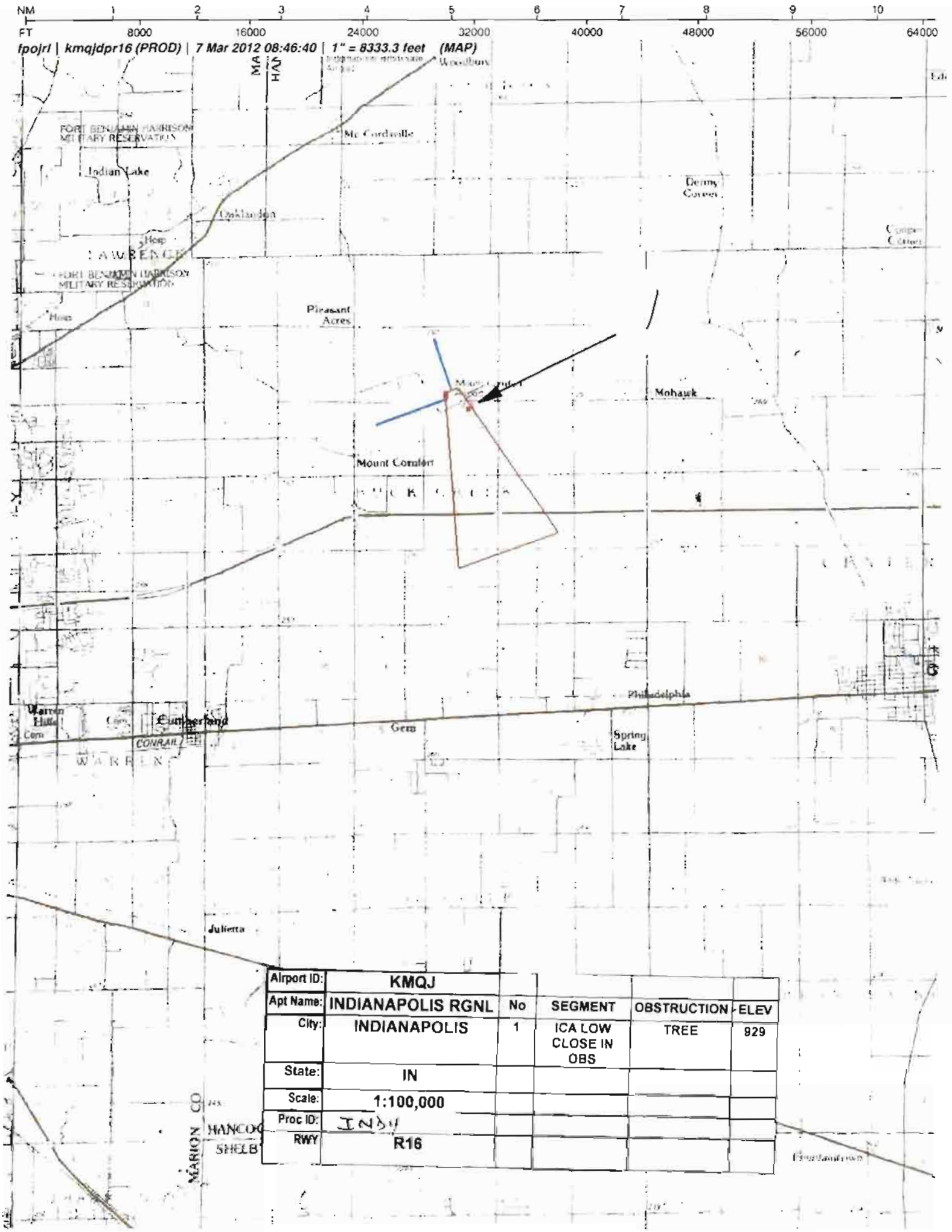
Airport ID:	KMQJ				
Apt Name:	INDIANAPOLIS RGNL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	979
State:	IN				
Scale:	1:100,000				
Proc ID:	INDY				
RWY	R07				

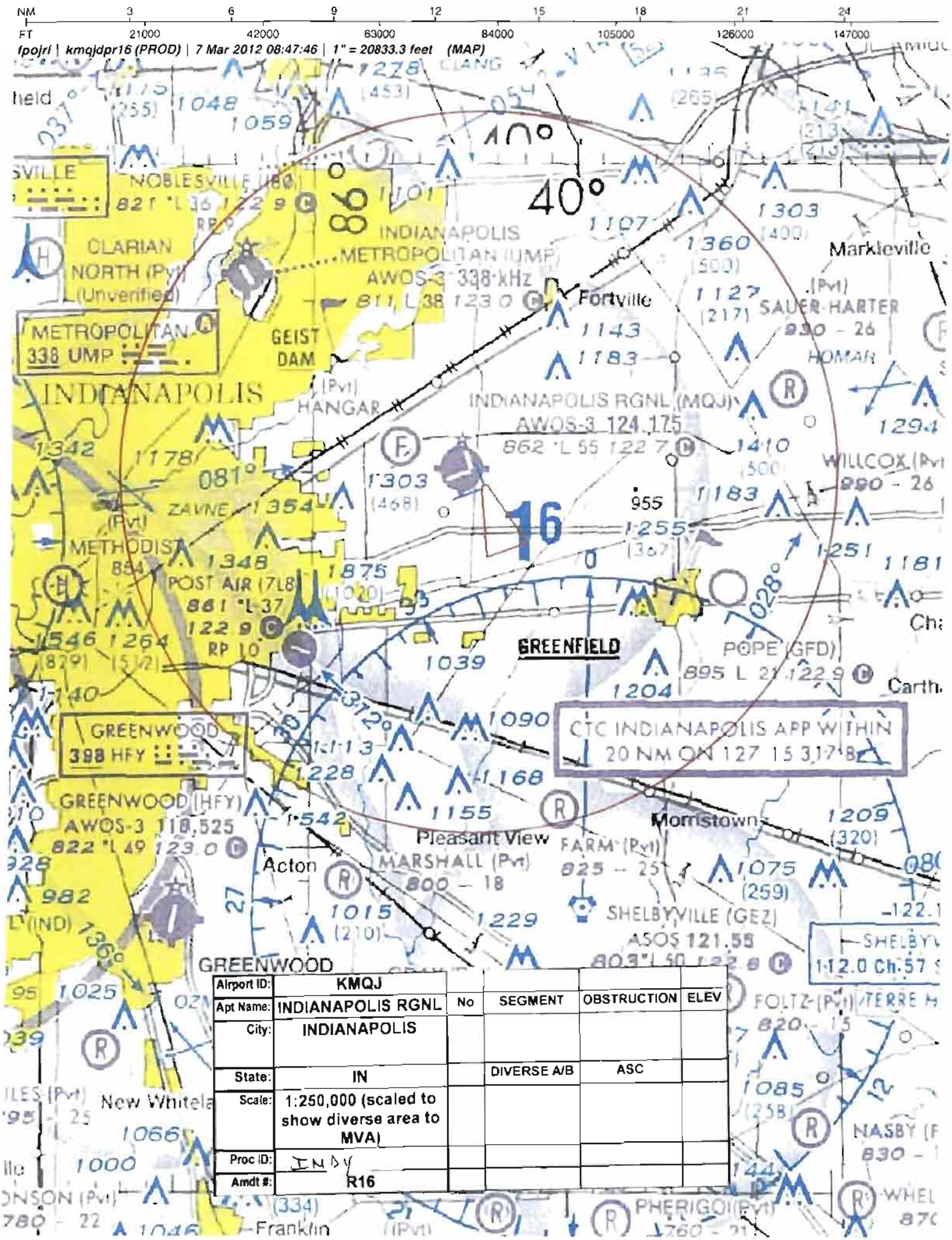


Airport ID:	KMQJ				
Apt Name:	INDIANAPOLIS RGNL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS		DIVERSE A/B	ASC	
State:	IN				
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDV				
Amdt #:	R07				

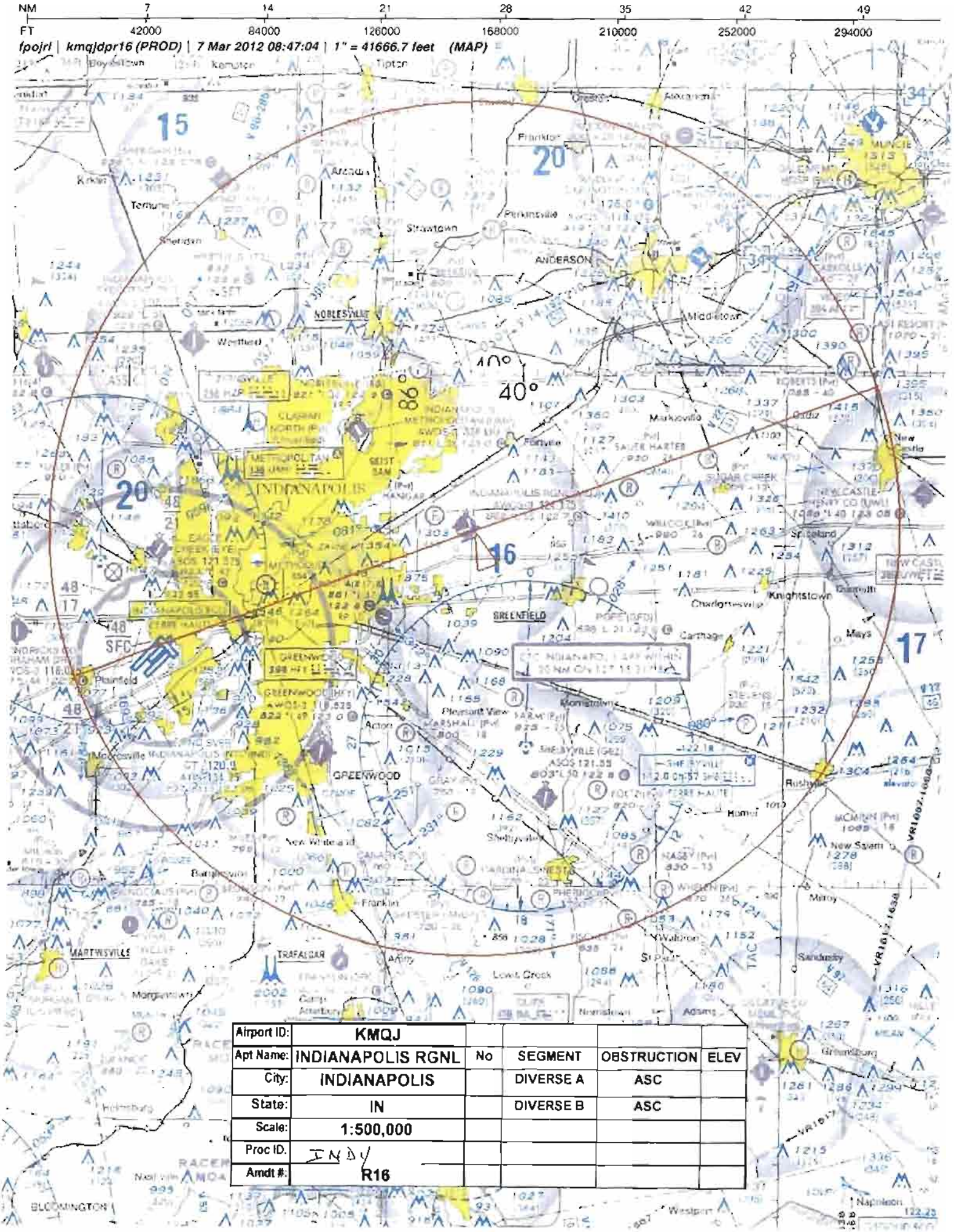


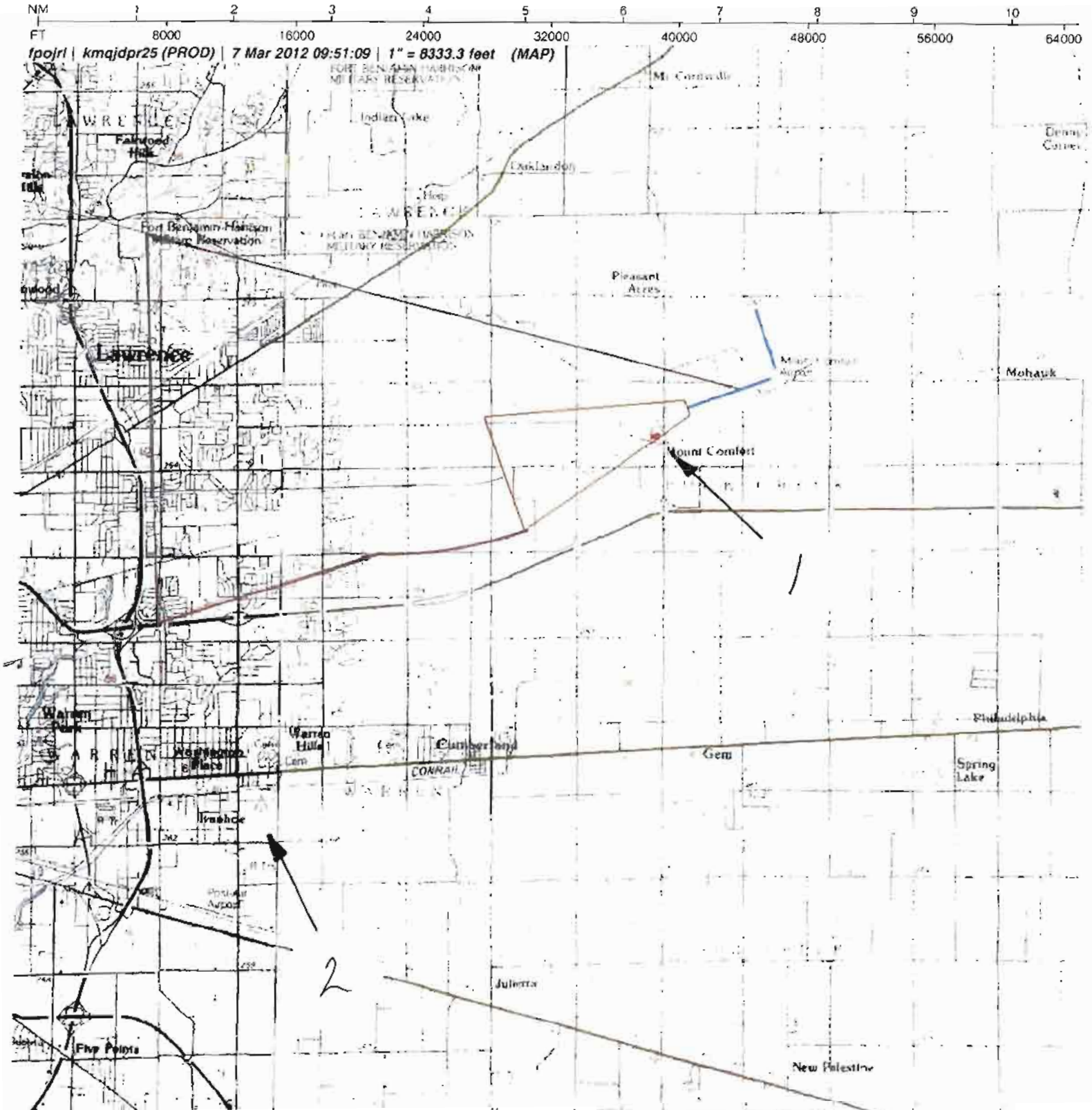
Airport ID:	KMQJ				
Apt Name:	INDIANAPOLIS RGNL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS		DIVERSE A	ASC	
State:	IN		DIVERSE B	ASC	
Scale:	1:500,000				
Proc ID:	INDY				
RWY	R07				


NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpojrl | kmqjdpr16 (PROD) | 7 Mar 2012 08:46:40 | 1" = 8333.3 feet (MAP)
FORT BENJAMIN HARRISON MILITARY RESERVATION
Indian Lake
Mc Cordsville
Oaklandon
LAWRENCE
Pleasant Acres
Mohawk
Mount Comfort
Philadelphia
Warren Park
Cumberland
CONRAIL
WARREN
Gem
Spring Lake
Julietta
MARION CO
HANCOCK
SHELB
Airport ID: KMQJ
Apt Name: INDIANAPOLIS RGNL
City: INDIANAPOLIS
State: IN
Scale: 1:100,000
Proc ID: INDY
RWY R16
No 1
SEGMENT ICA LOW CLOSE IN OBS
OBSTRUCTION TREE
ELEV 929

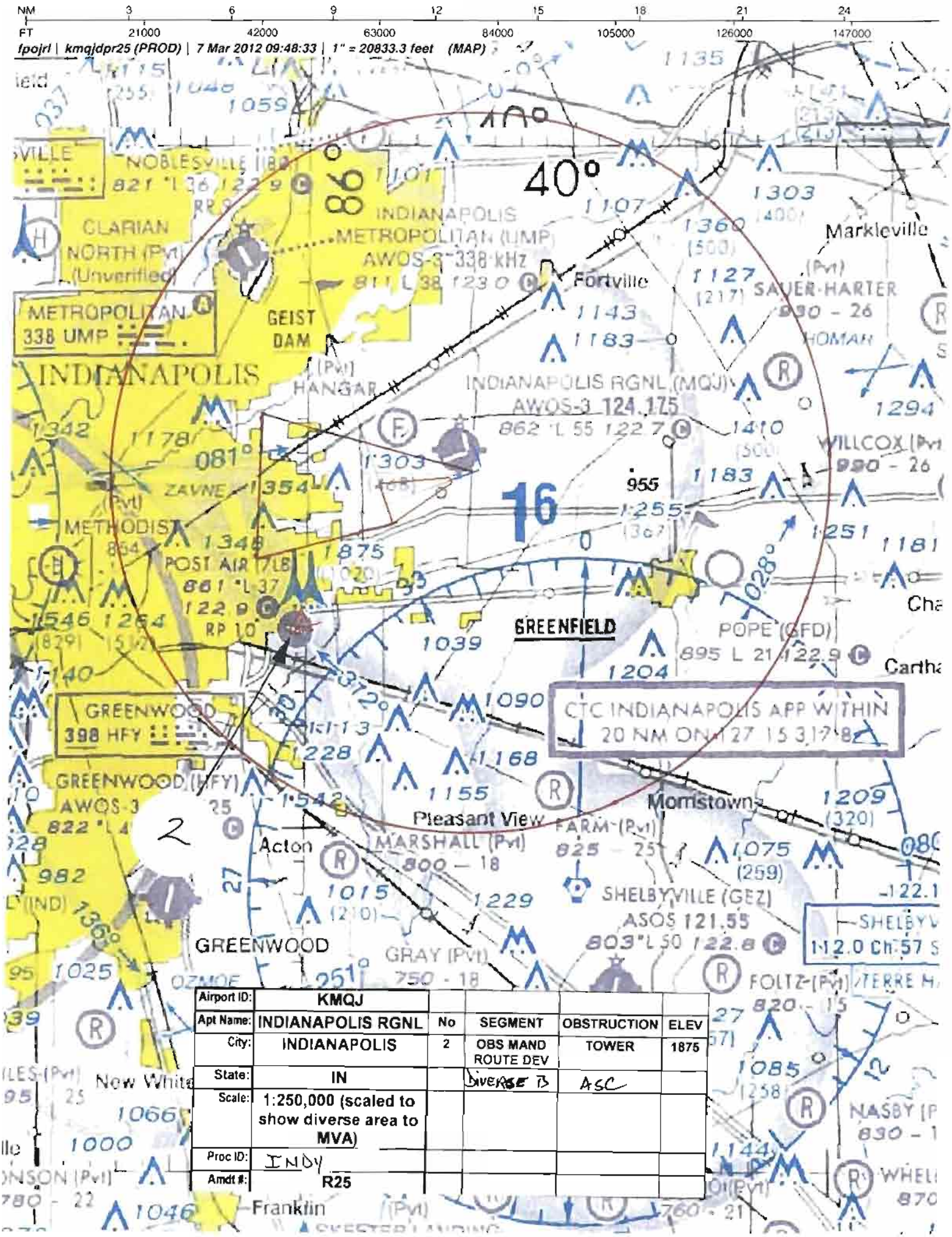


Airport ID:	KMQJ	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	INDIANAPOLIS RGNL				
City:	INDIANAPOLIS				
State:	IN		DIVERSE A/B	ASC	
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDY				
Amdt #:	R16				

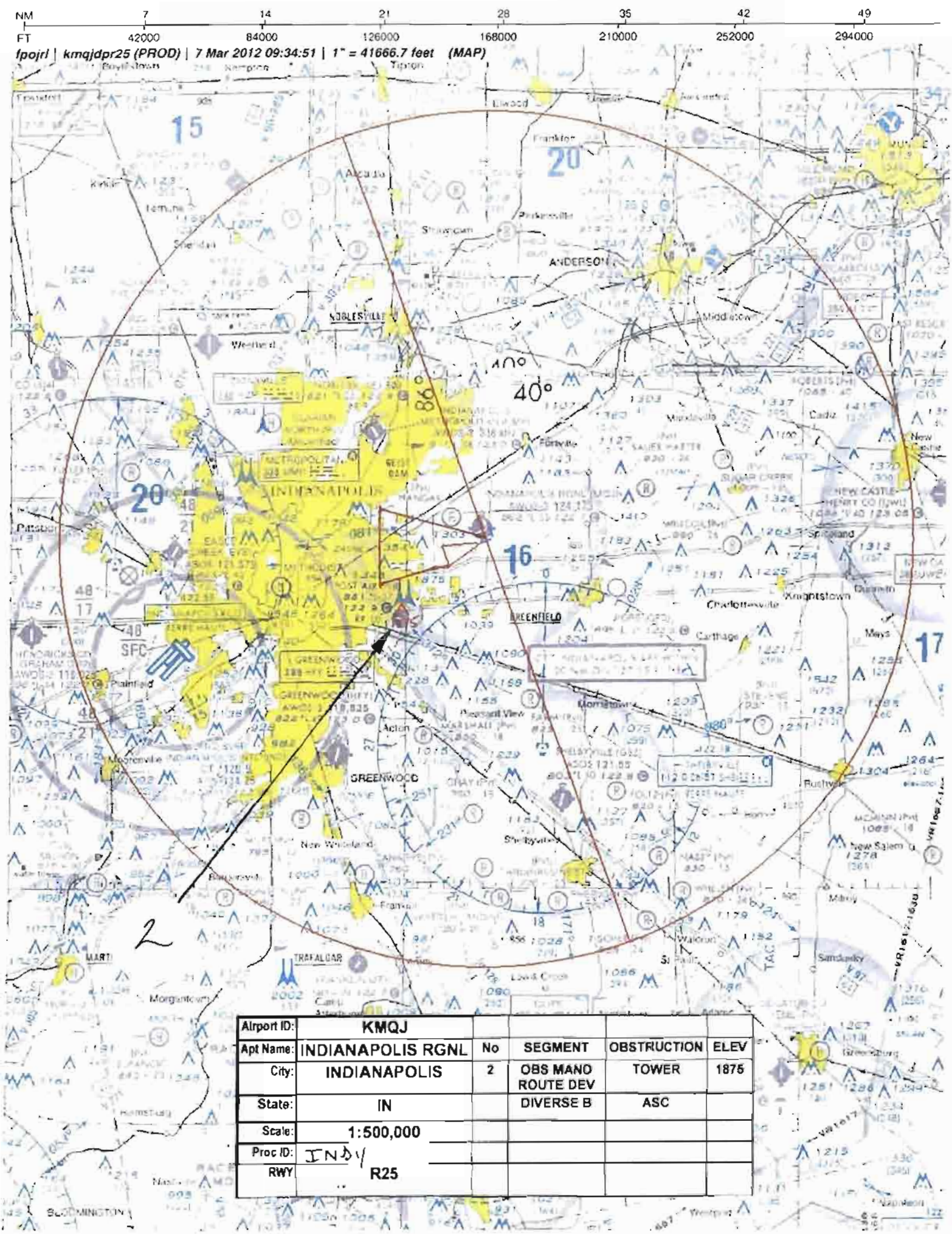

NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpojrl | kmqjdpr16 (PROD) | 7 Mar 2012 08:47:04 | 1" = 41666.7 feet (MAP)
INDIANAPOLIS
ANDERSON
GREENWOOD
GREENFIELD
MARTINSVILLE
TRAFALGAR
NOBLESVILLE
Westfield
Plainfield
Franklin
Shelbyville
Knightstown
Carthage
Rushville
Greensburg
Sandusky
Napoleon
Bloomington
Muncie
Markleville
Middletown
Perkinsville
Strawtown
Tipton
Kokomo
Frankfort
Crawfordsville
Terre Haute
Columbus
Seymour
Madison
Richmond
Connersville
New Castle
Shelbyville
Mooresville
Monrovia
Acton
Camby
Whiteland
Edinburgh
Mays
Milroy
Homer
New Palestine
Fortville
Pendleton
Lowes Creek
Camp Atterbury
Morgantown
Nashville
Columbus
Greenwood
Indianapolis
Anderson
Muncie
Richmond
Connersville
New Castle
Shelbyville
Greensburg
Seymour
Madison
Bloomington
Terre Haute
Crawfordsville
Kokomo
Tipton
Frankfort
Logansport
Peru
Wabash
Huntington
Marion
Portland
Winchester
Union City
Richmond
Dayton
Springfield
Columbus
Cincinnati
Louisville
Evansville
Vincennes
Terre Haute
Indianapolis
Muncie
Fort Wayne
South Bend
Gary
Chicago
Lafayette
Kokomo
Marion
Peru
Wabash
Huntington
Logansport
Tipton
Frankfort
Crawfordsville
Greencastle
Brazil
Clinton
Rockville
Danville
Martinsville
Franklin
Shelbyville
Greenfield
Knightstown
Carthage
Rushville
Greensburg
Sandusky
Napoleon
Bloomington
Nashville
Columbus
Seymour
Madison
Jeffersonville
New Albany
Floyds Knobs
Corydon
Salem
Paoli
French Lick
Jasper
Huntingburg
Tell City
Rockport
Boonville
Evansville
Vincennes
Terre Haute
Indianapolis
Muncie
Fort Wayne
South Bend
Gary
Chicago
Lafayette
Kokomo
Marion
Peru
Wabash
Huntington
Logansport
Tipton
Frankfort
Crawfordsville
Greencastle
Brazil
Clinton
Rockville
Danville
Martinsville
Franklin
Shelbyville
Greenfield
Knightstown
Carthage
Rushville
Greensburg
Sandusky
Napoleon
Bloomington
Nashville
Columbus
Seymour
Madison
Jeffersonville
New Albany
Floyds Knobs
Corydon
Salem
Paoli
French Lick
Jasper
Huntingburg
Tell City
Rockport
Boonville
Airport ID: KMQJ
Apt Name: INDIANAPOLIS RGNL
City: INDIANAPOLIS
State: IN
Scale: 1:500,000
Proc ID. INDY
Amdt #: R16
No
SEGMENT
OBSTRUCTION
ELEV
DIVERSE A
ASC
DIVERSE B
ASC

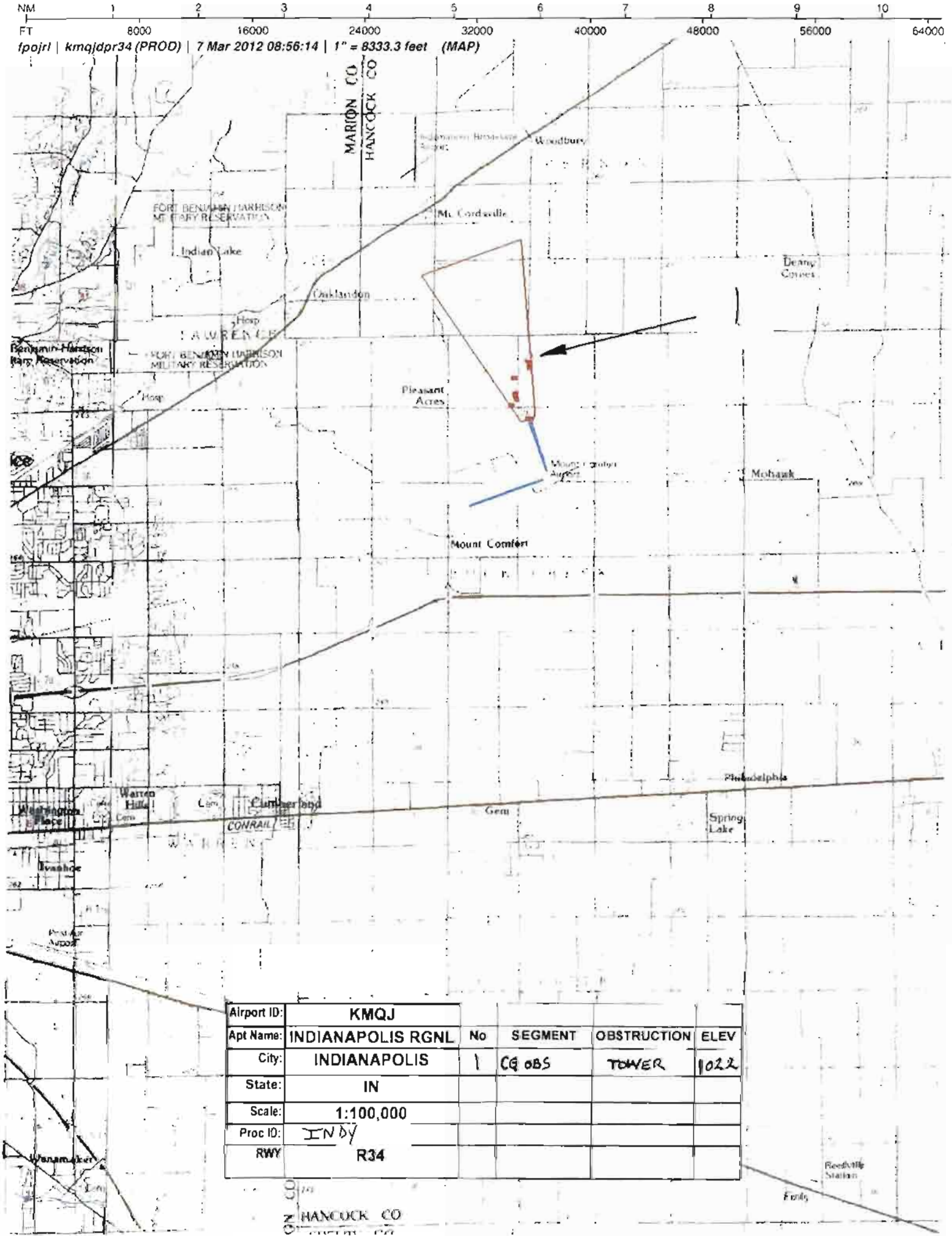


Airport ID:	KMQJ				
Apt Name:	INDIANAPOLIS RGNL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	969
State:	IN	2	OBS MAND ROUTE DEV	TOWER	1875
Scale:	1:100,000				
Proc ID:	INDY				
RWY	R25				

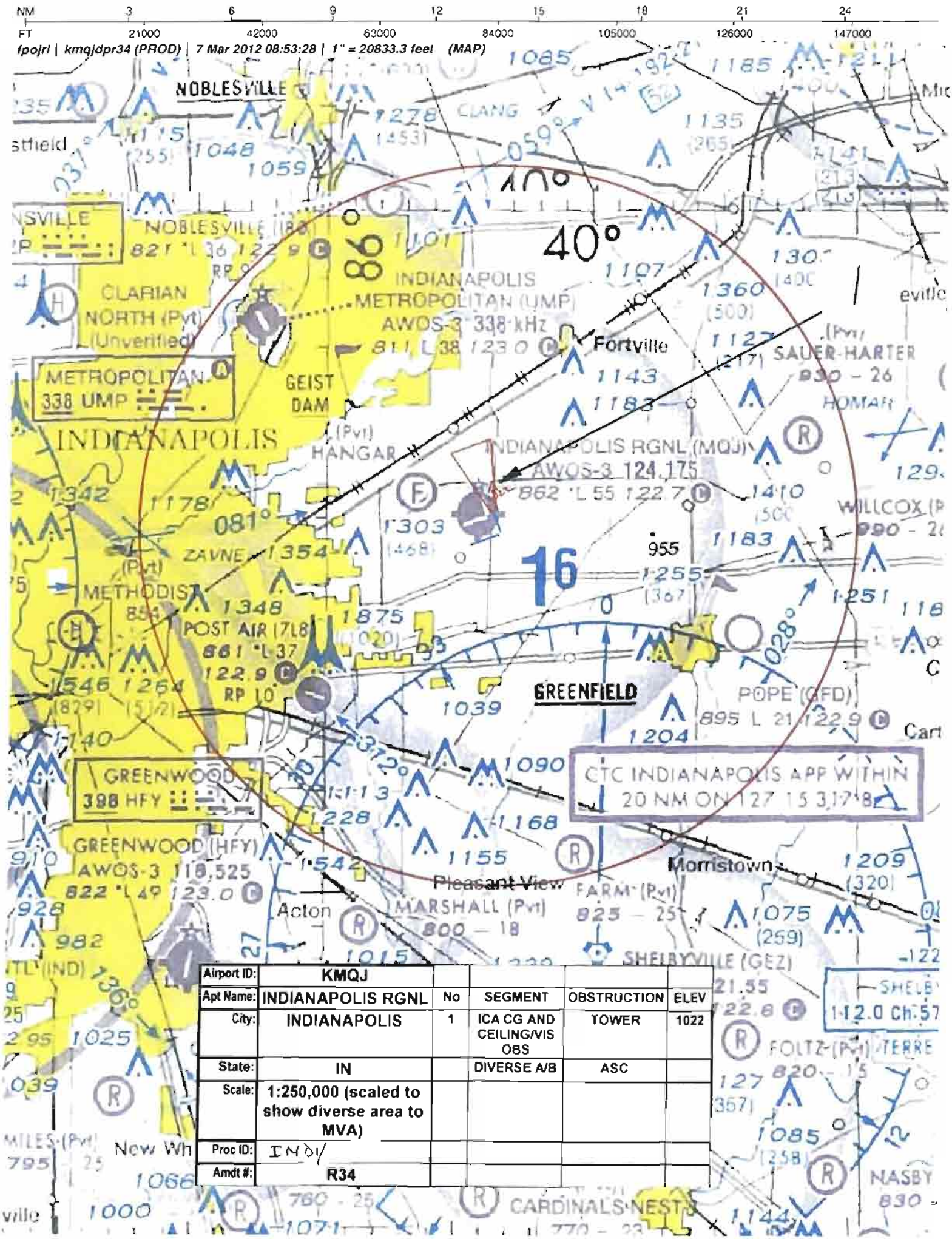


Airport ID:	KMQJ				
Apt Name:	INDIANAPOLIS RGNL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	2	OBS MAND ROUTE DEV	TOWER	1875
State:	IN		Diverse B	ASC	
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDY				
Amdt #:	R25				


NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpojrl | kmqjdpr25 (PROD) | 7 Mar 2012 09:34:51 | 1" = 41666.7 feet (MAP)
INDIANAPOLIS
GREENWOOD
GREENFIELD
ANDERSON
Airport ID: KMQJ
Apt Name: INDIANAPOLIS RGNL
City: INDIANAPOLIS
State: IN
Scale: 1:500,000
Proc ID: INDY
RWY R25
No 2
SEGMENT OBS MANO ROUTE DEV
DIVERSE B
OBSTRUCTION TOWER ASC
ELEV 1875



Airport ID:	KMQJ				
Apt Name:	INDIANAPOLIS RGNL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	CG OBS	TOWER	1022
State:	IN				
Scale:	1:100,000				
Proc ID:	INDY				
RWY	R34				

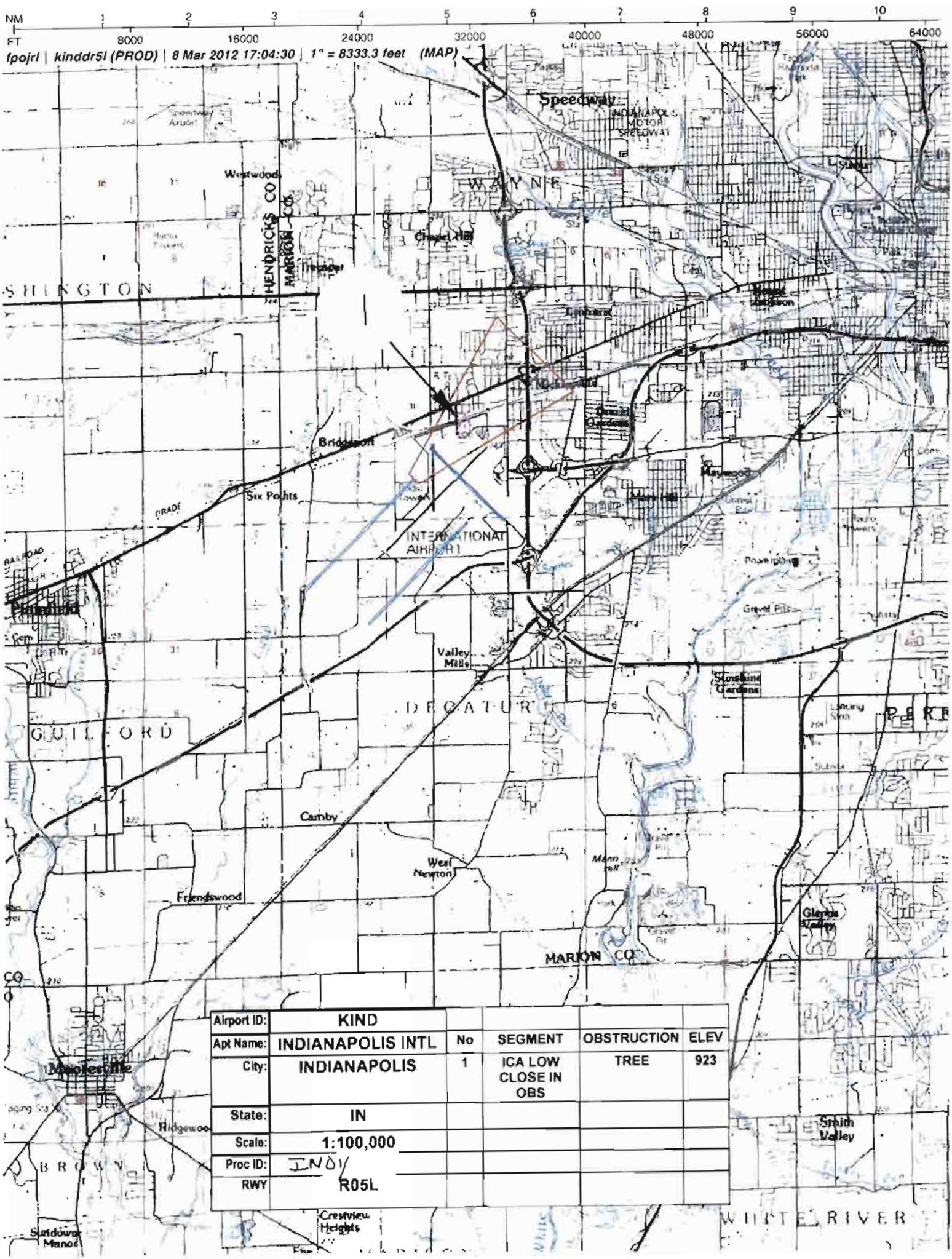


Airport ID:	KMQJ				
Apt Name:	INDIANAPOLIS RGNL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA CG AND CEILING/VIS OBS	TOWER	1022
State:	IN		DIVERSE A/B	ASC	
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	IND1/				
Amdt #:	R34				

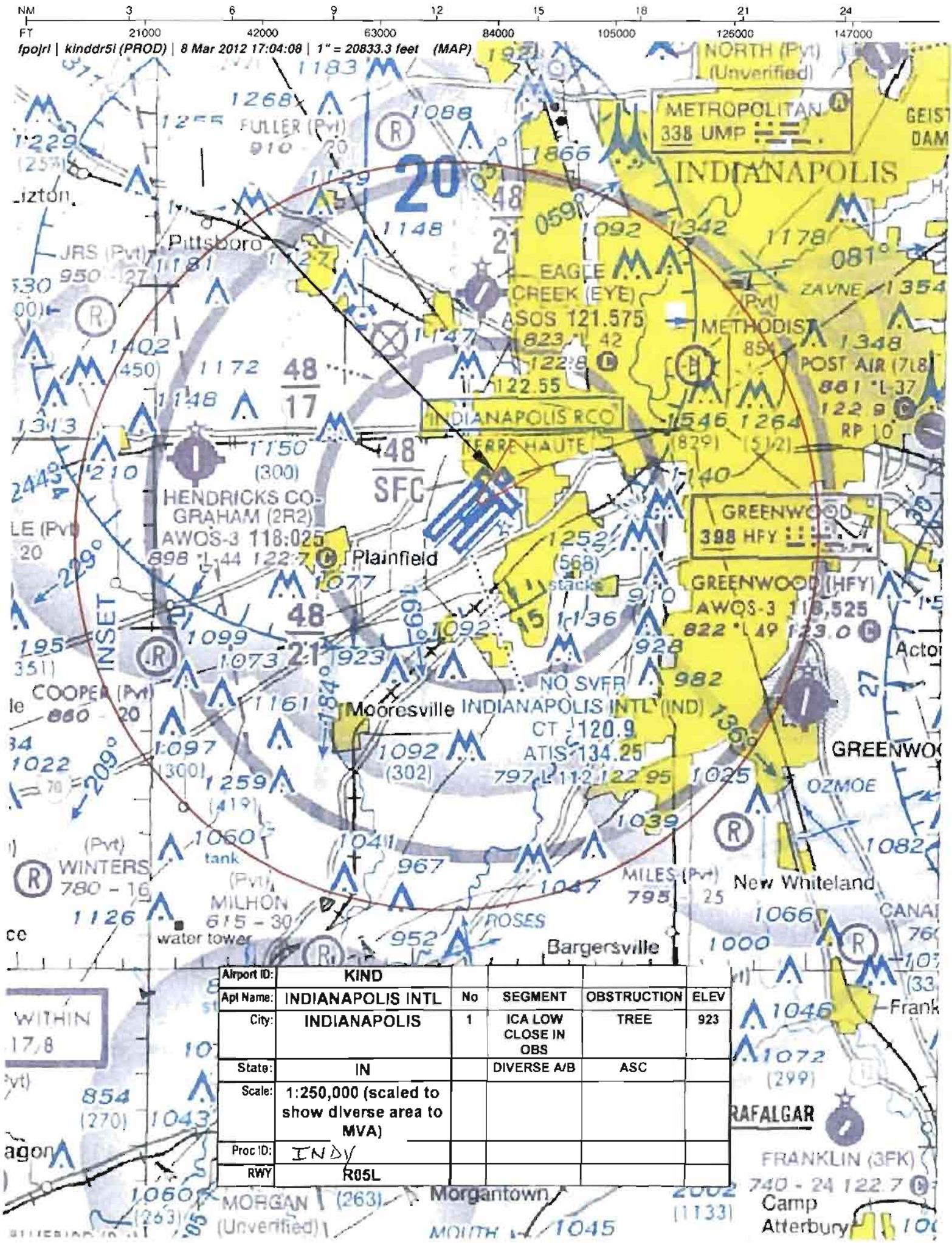
NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000

fpojrl | kmqjdpr34 (PROD) | 7 Mar 2012 08:52:39 | 1" = 41666.7 feet (MAP)

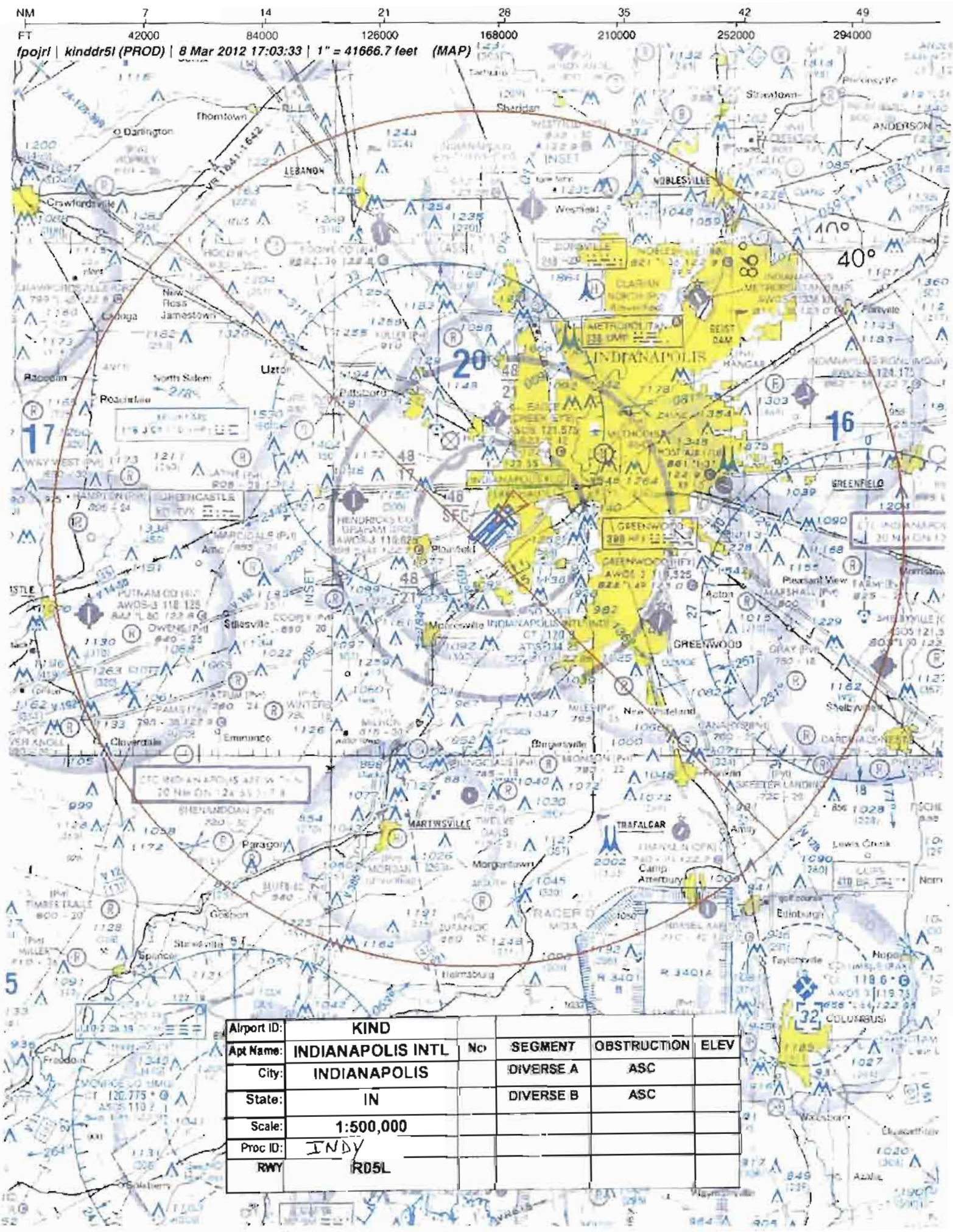
Airport ID:	KMQJ				
Apt Name:	INDIANAPOLIS RGNL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS		DIVERSE A	ASC	
State:	IN		DIVERSE B	ASC	
Scale:	1:500,000				
Proc ID:	INDY				
Amdt #:	R34				



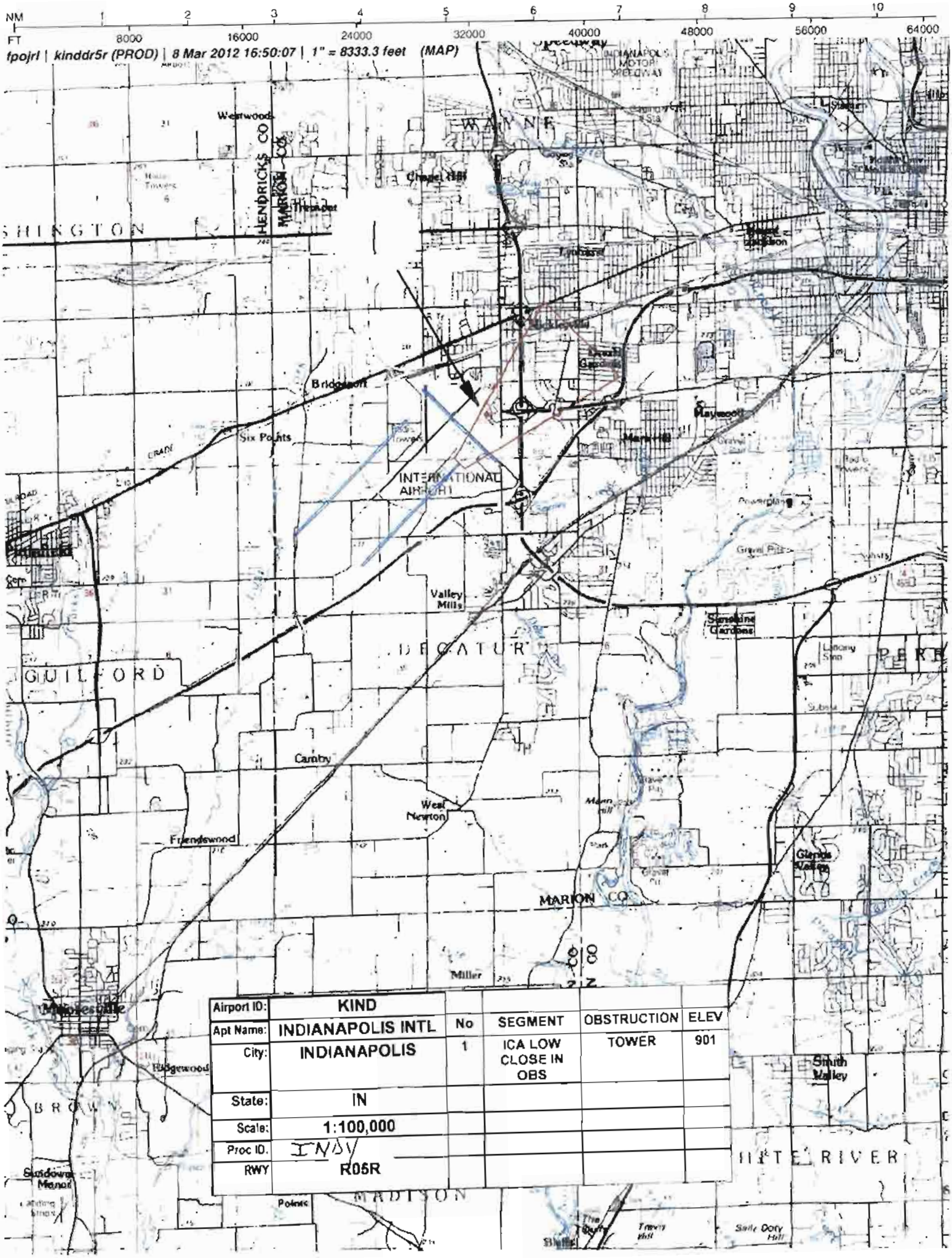
Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	923
State:	IN				
Scale:	1:100,000				
Proc ID:	INDI				
RWY	R05L				



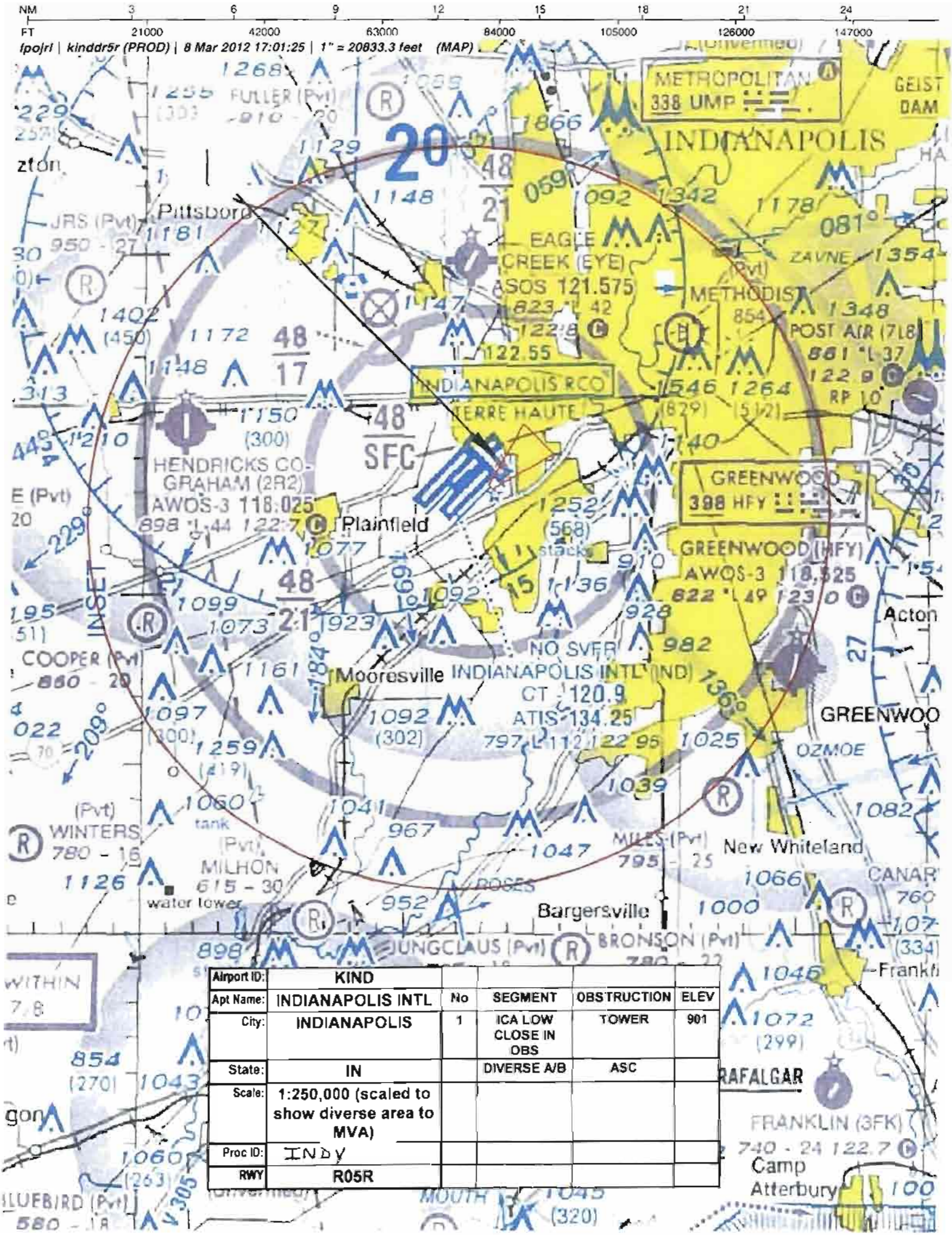
Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	923
State:	IN		DIVERSE A/B	ASC	
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDY				
RWY	R05L				



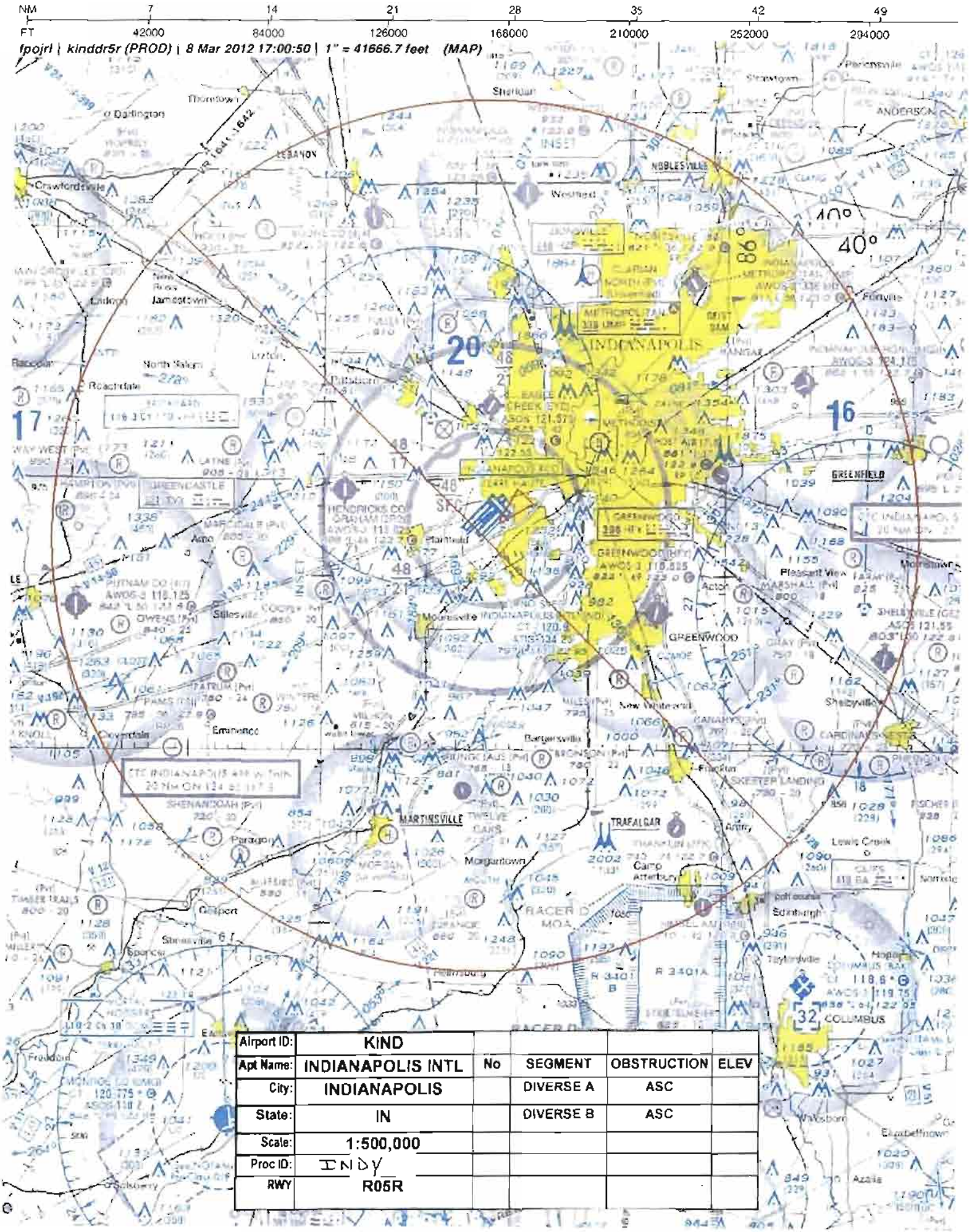
Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS		DIVERSE A	ASC	
State:	IN		DIVERSE B	ASC	
Scale:	1:500,000				
Proc ID:	INDY				
RWY	R05L				



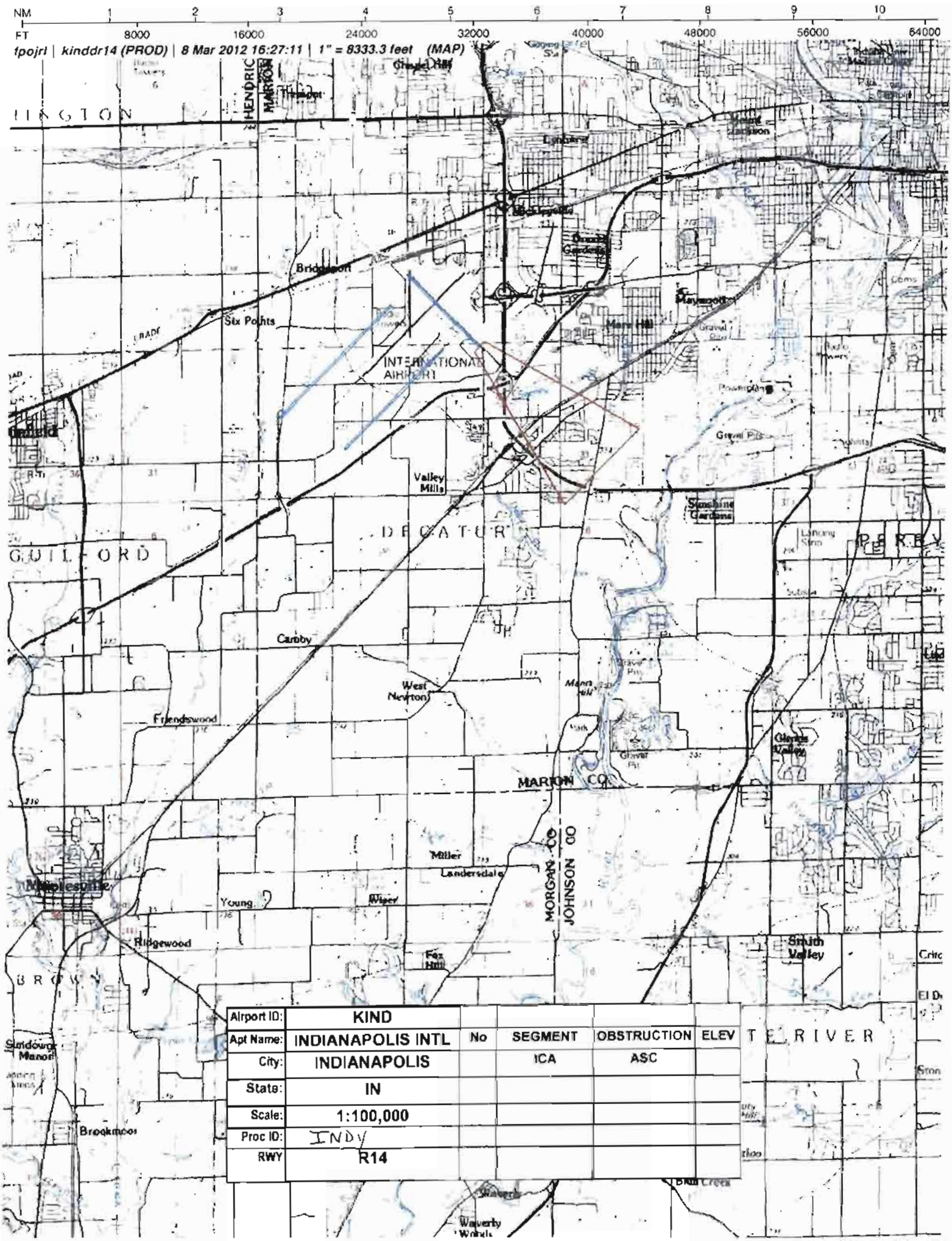
Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TOWER	901
State:	IN				
Scale:	1:100,000				
Proc ID.	INDY				
RWY	R05R				

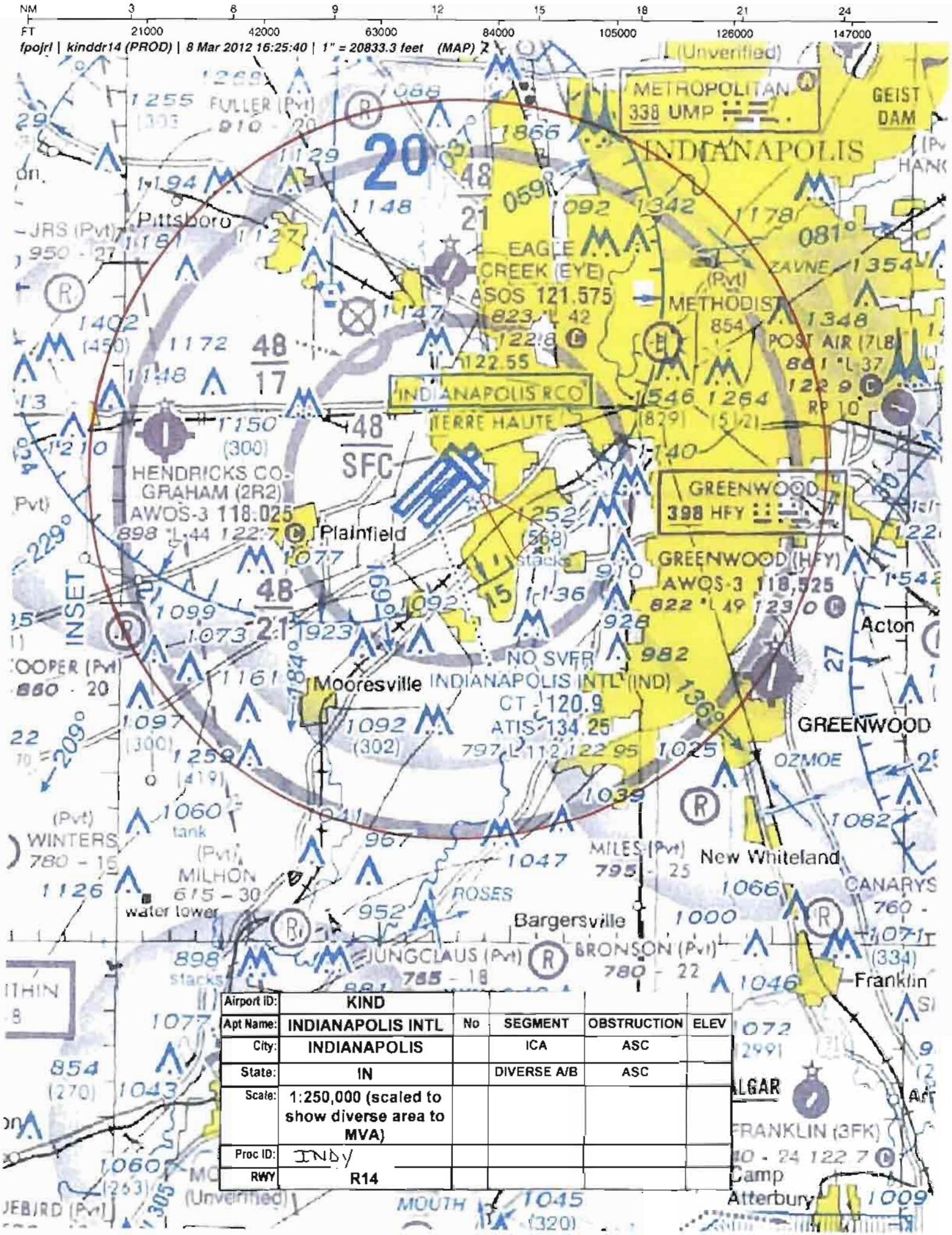


Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TOWER	901
State:	IN		DIVERSE A/B	ASC	
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDY				
RWY	R05R				

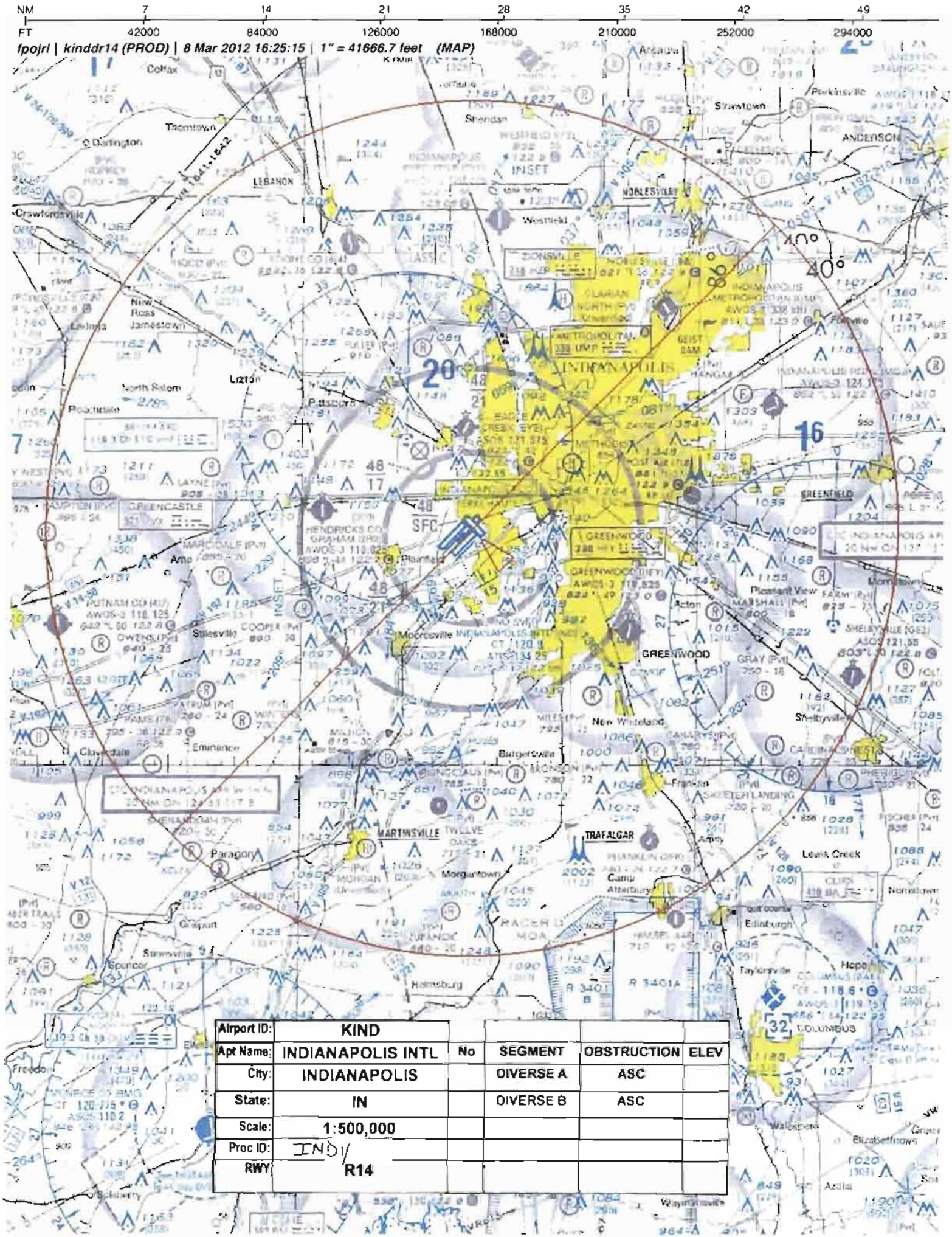


Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS		DIVERSE A	ASC	
State:	IN		DIVERSE B	ASC	
Scale:	1:500,000				
Proc ID:	INDY				
RWY	R05R				

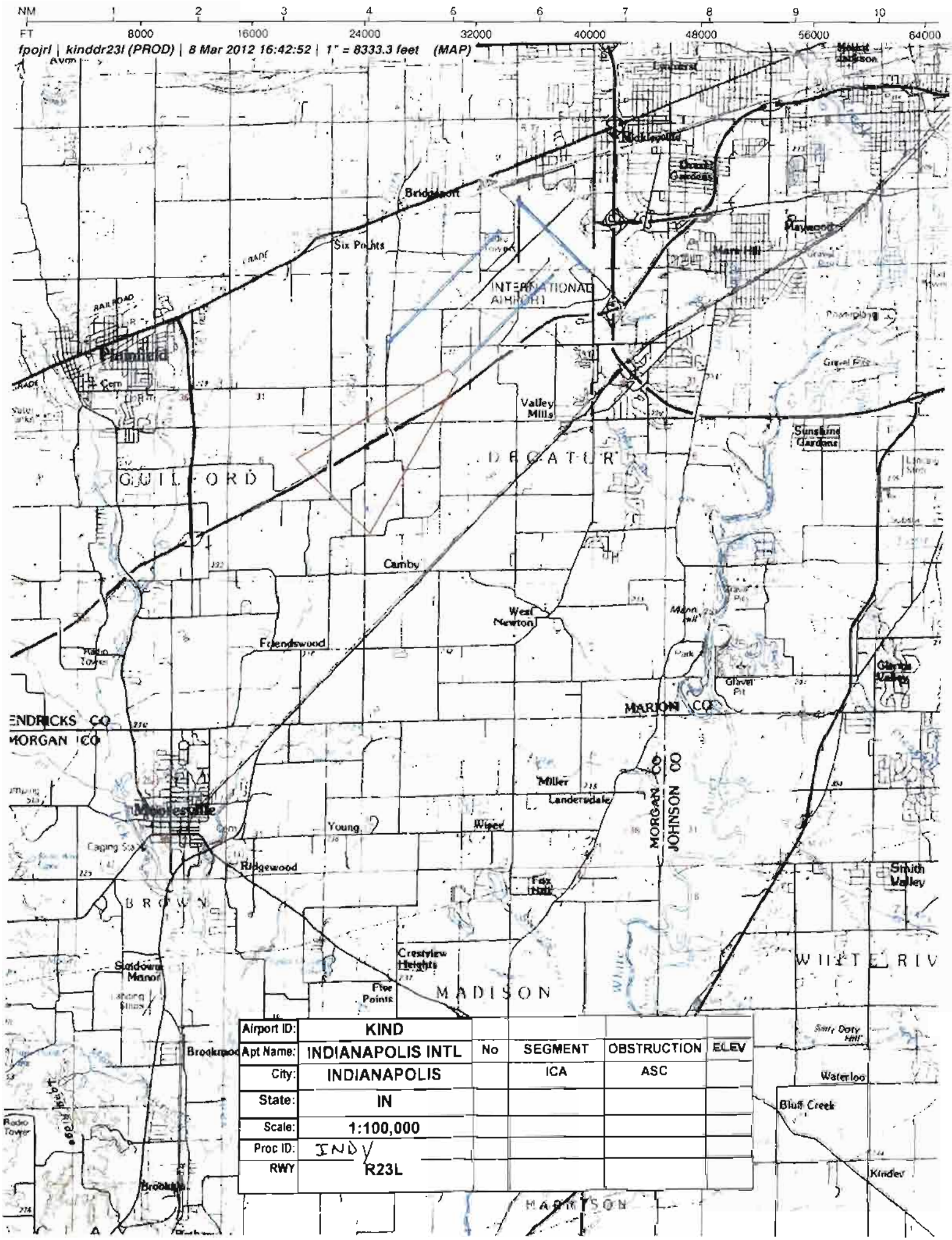

NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fpojrl | kinddr14 (PROD) | 8 Mar 2012 16:27:11 | 1" = 8333.3 feet (MAP)
HENDRICK
MARION
Bridgeport
Six Points
INTERNATIONAL AIRPORT
Valley Mills
DECATUR
GUILFORD
Camby
West Newton
Friendswood
MARION CO
MORGAN CO
JOHNSON CO
Miller
Landersdale
Young
Wiser
Ridgewood
Fox Hill
Smith Valley
Sunshine Gardens
Glenns Valley
Brookmoor
Waverly Woods
Airport ID: KIND
Apt Name: INDIANAPOLIS INTL
City: INDIANAPOLIS
State: IN
Scale: 1:100,000
Proc ID: INDY
RWY R14
No
SEGMENT
ICA
OBSTRUCTION
ASC
ELEV



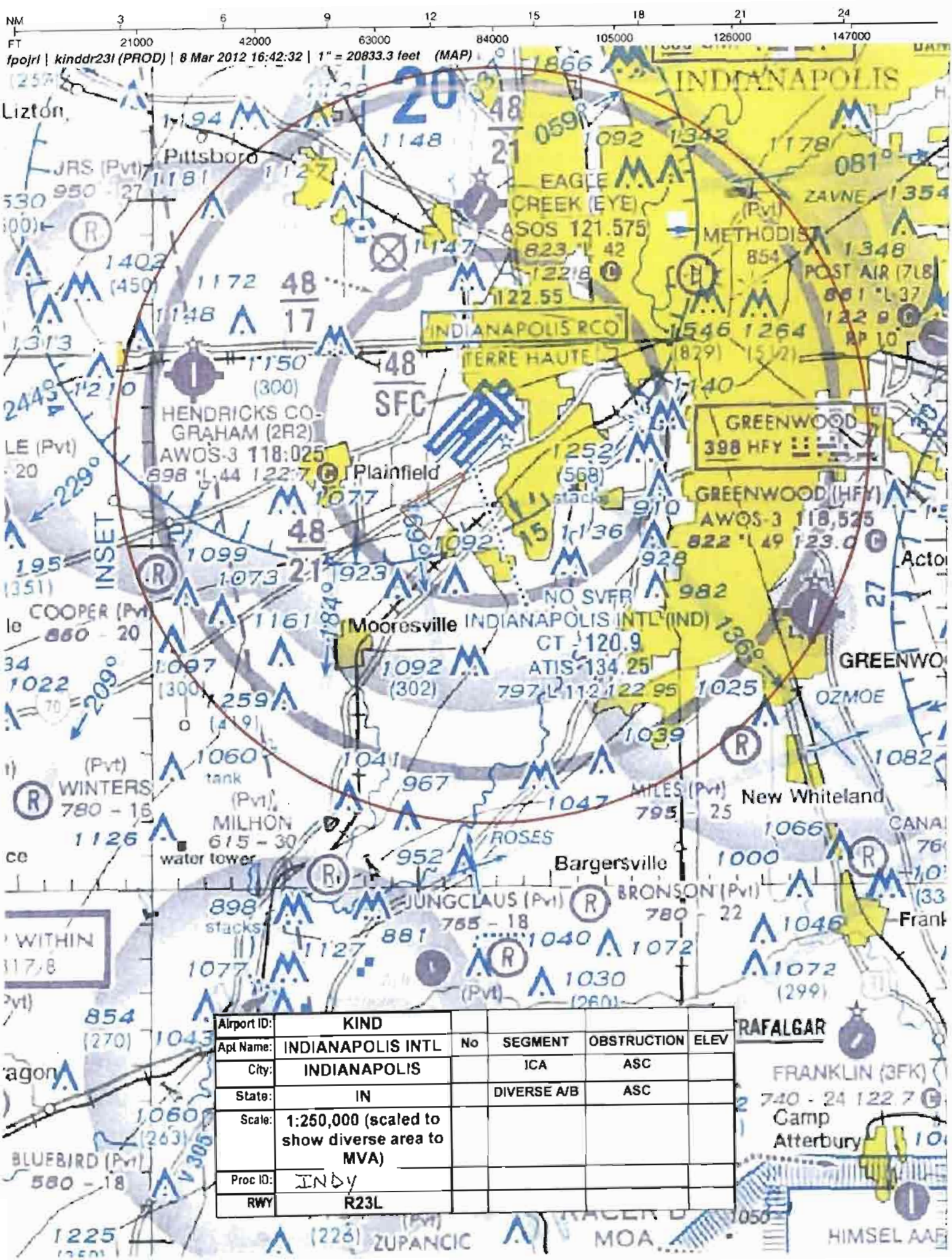
Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS		ICA	ASC	
State:	IN		DIVERSE A/B	ASC	
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDY				
RWY	R14				



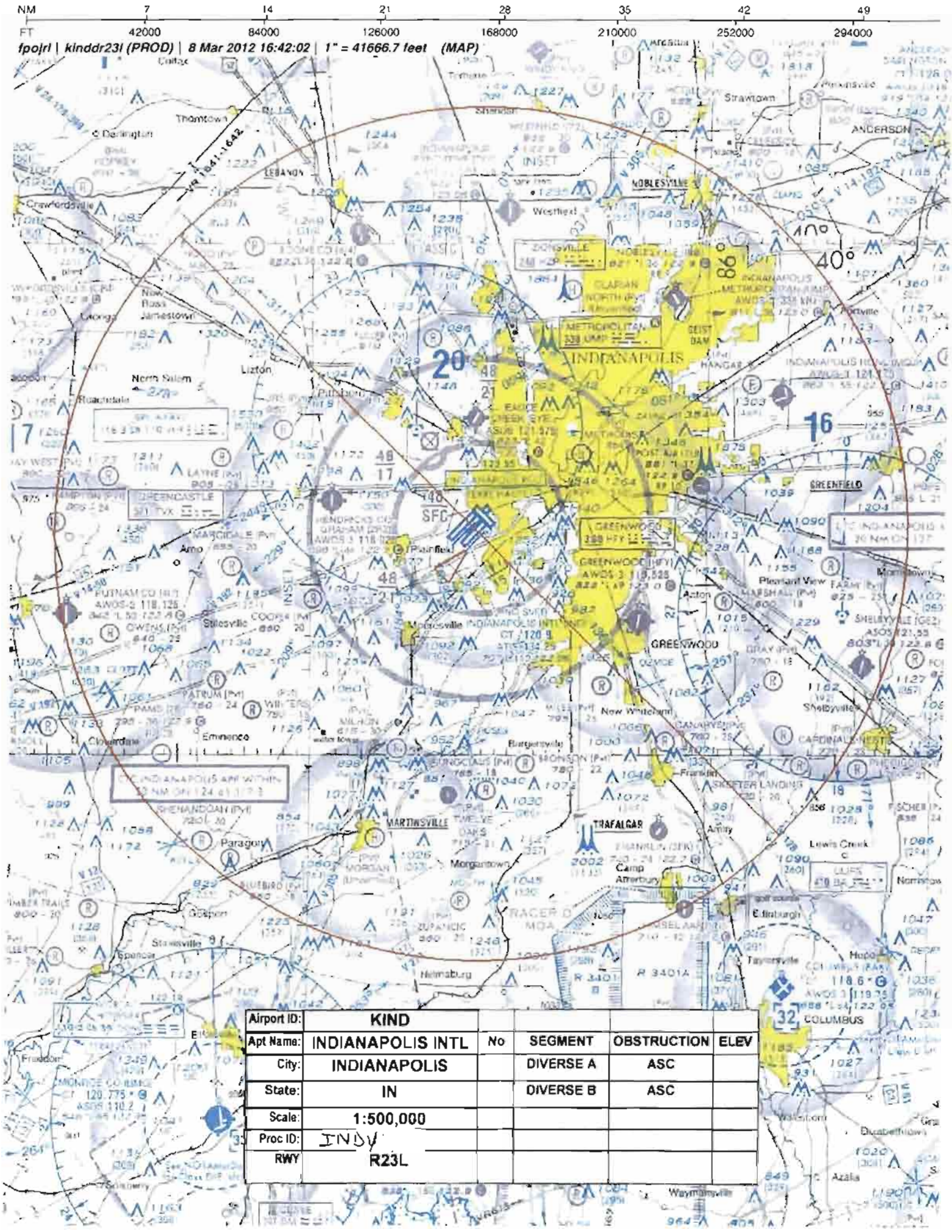
Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS		DIVERSE A	ASC	
State:	IN		DIVERSE B	ASC	
Scale:	1:500,000				
Proc ID:	IND1				
RWY:	R14				

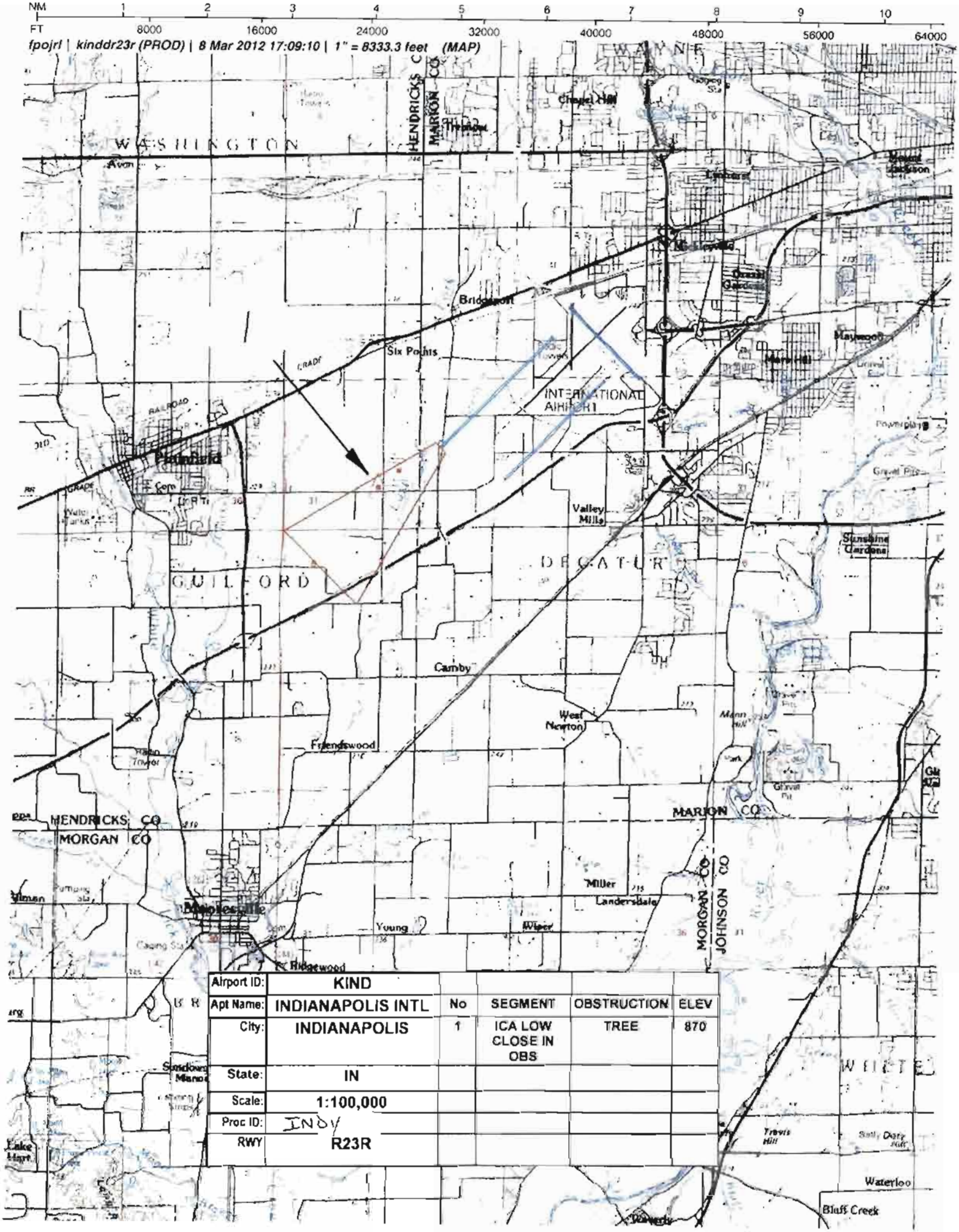


Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS		ICA	ASC	
State:	IN				
Scale:	1:100,000				
Proc ID:	INDY				
RWY	R23L				

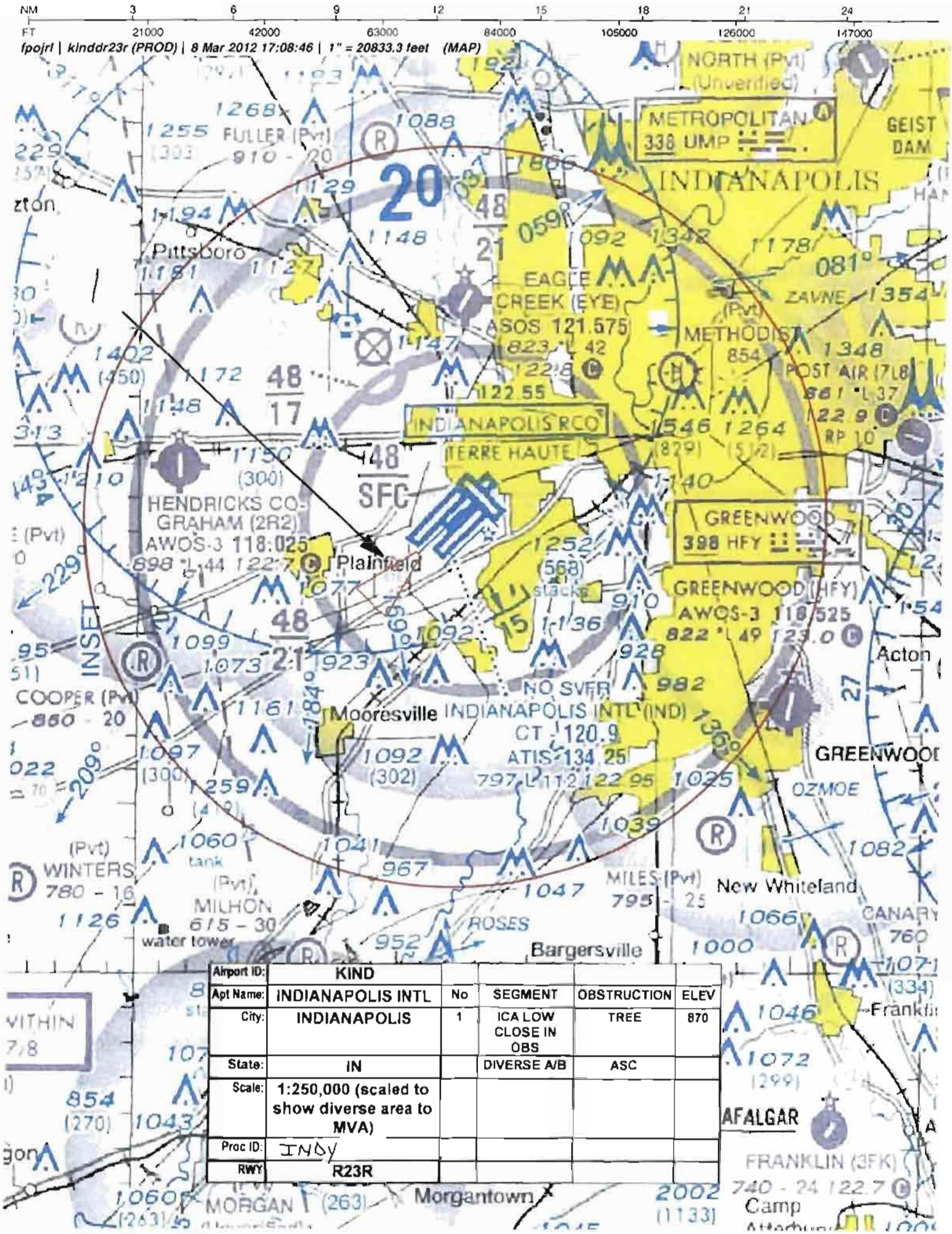


Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS		ICA	ASC	
State:	IN		DIVERSE A/B	ASC	
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDY				
RWY	R23L				

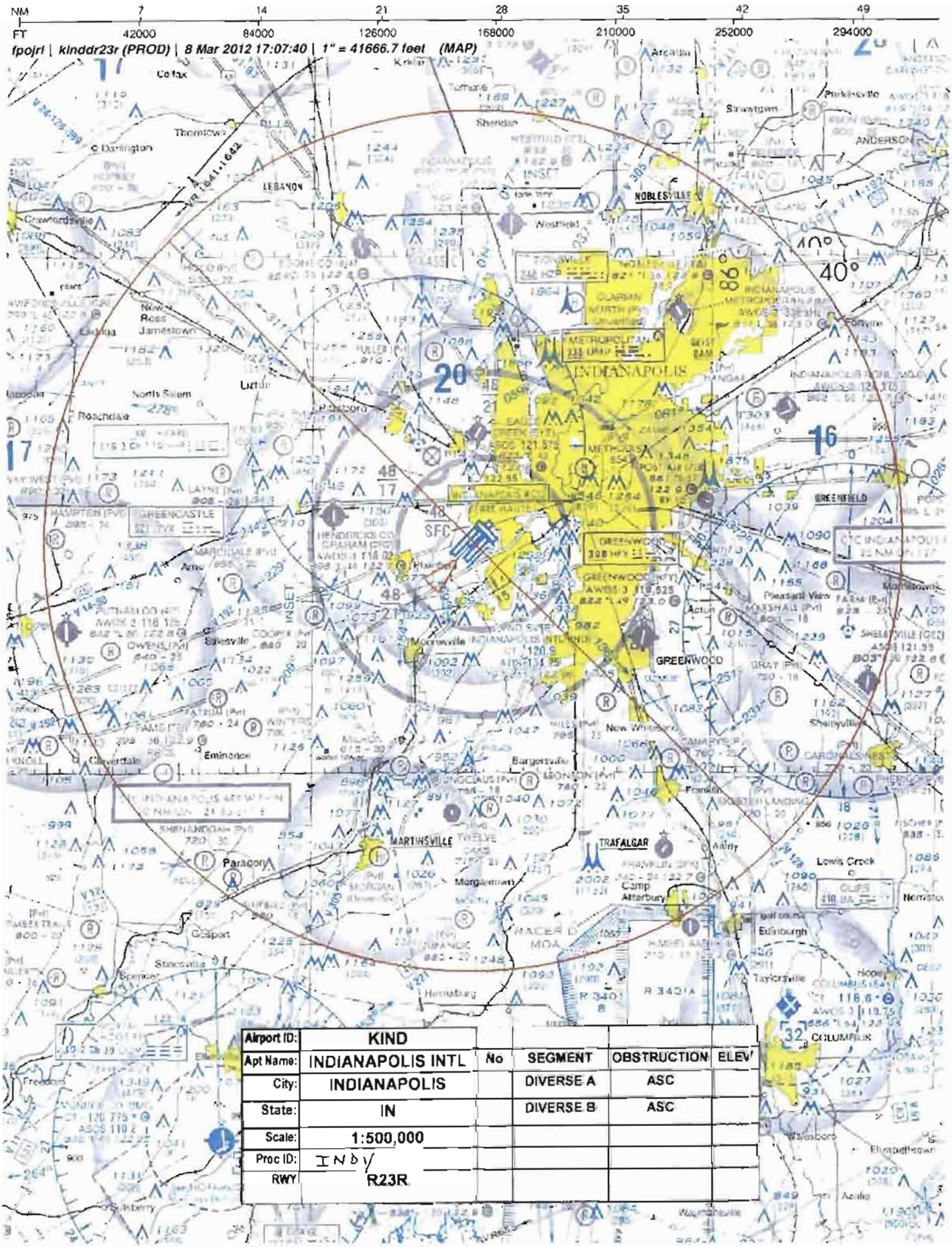

NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpojrl | kinddr23l (PROD) | 8 Mar 2012 16:42:02 | 1" = 41666.7 feet (MAP)
INDIANAPOLIS
GREENWOOD
GREENFIELD
MARTINSVILLE
TRAFALGAR
Airport ID: KIND
Apt Name: INDIANAPOLIS INTL
City: INDIANAPOLIS
State: IN
Scale: 1:500,000
Proc ID: INDV
RWY R23L
No
SEGMENT
OBSTRUCTION
ELEV
DIVERSE A ASC
DIVERSE B ASC

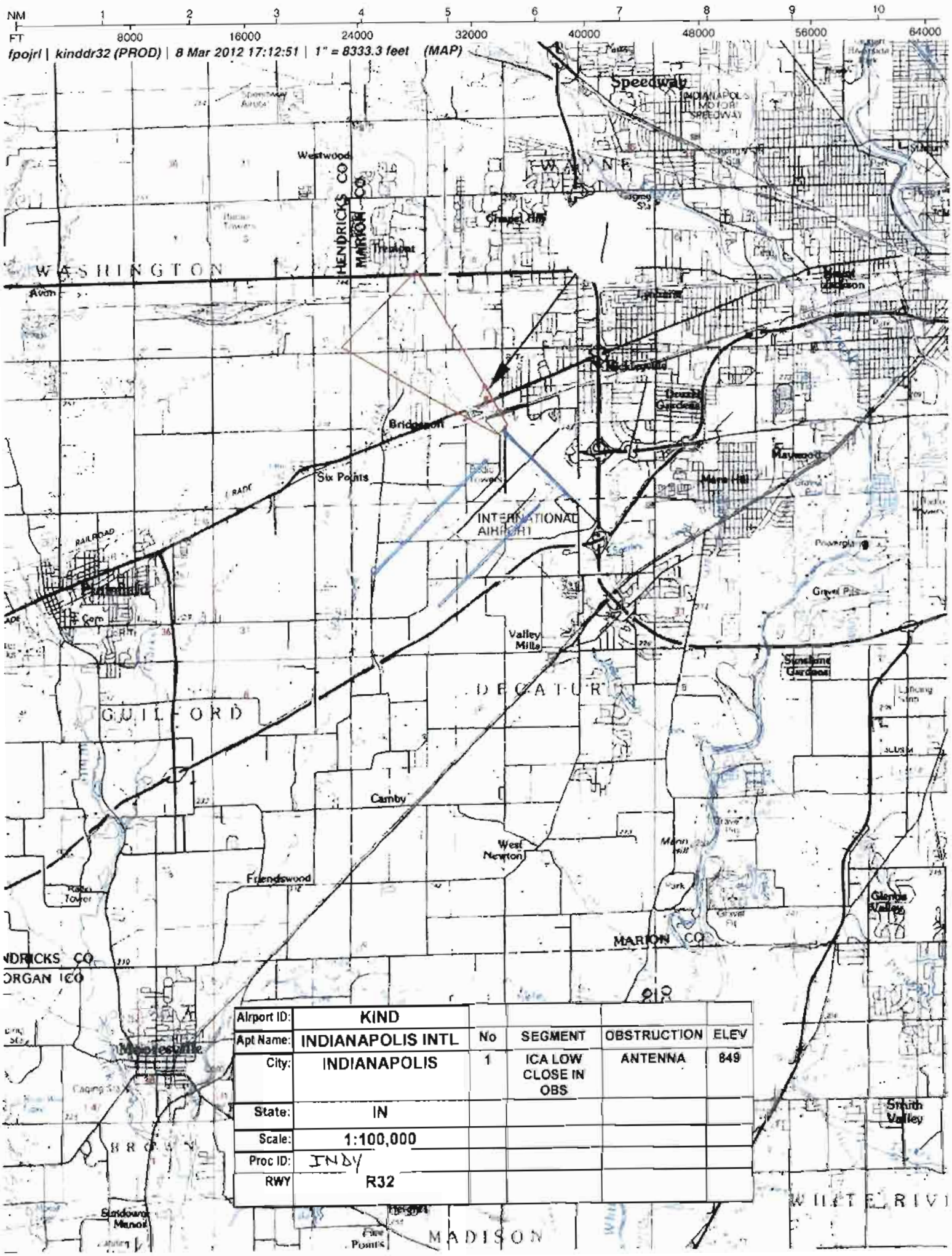


Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	870
State:	IN				
Scale:	1:100,000				
Proc ID:	INDY				
RWY	R23R				

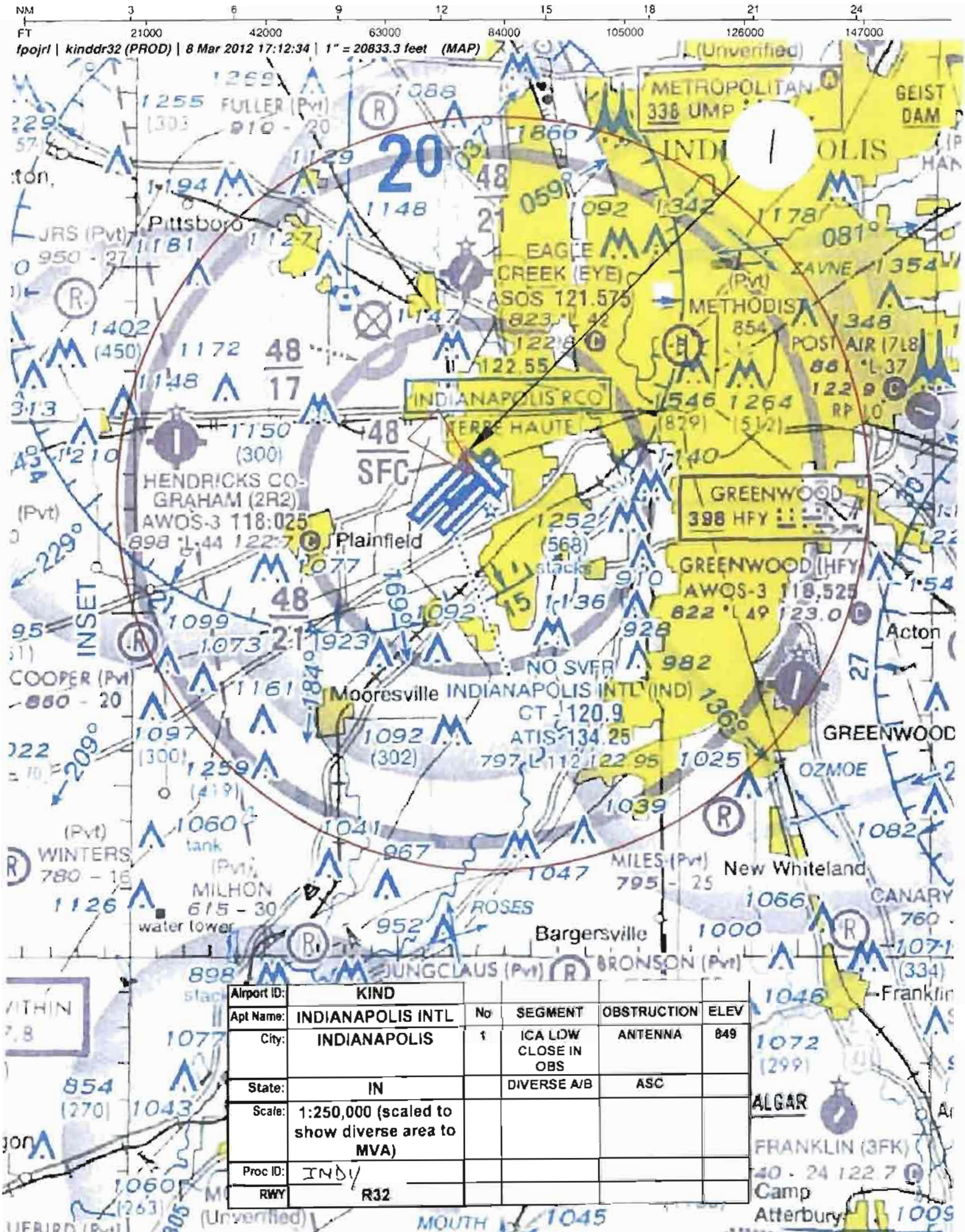


Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	TREE	870
State:	IN		DIVERSE A/B	ASC	
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDY				
RWY	R23R				

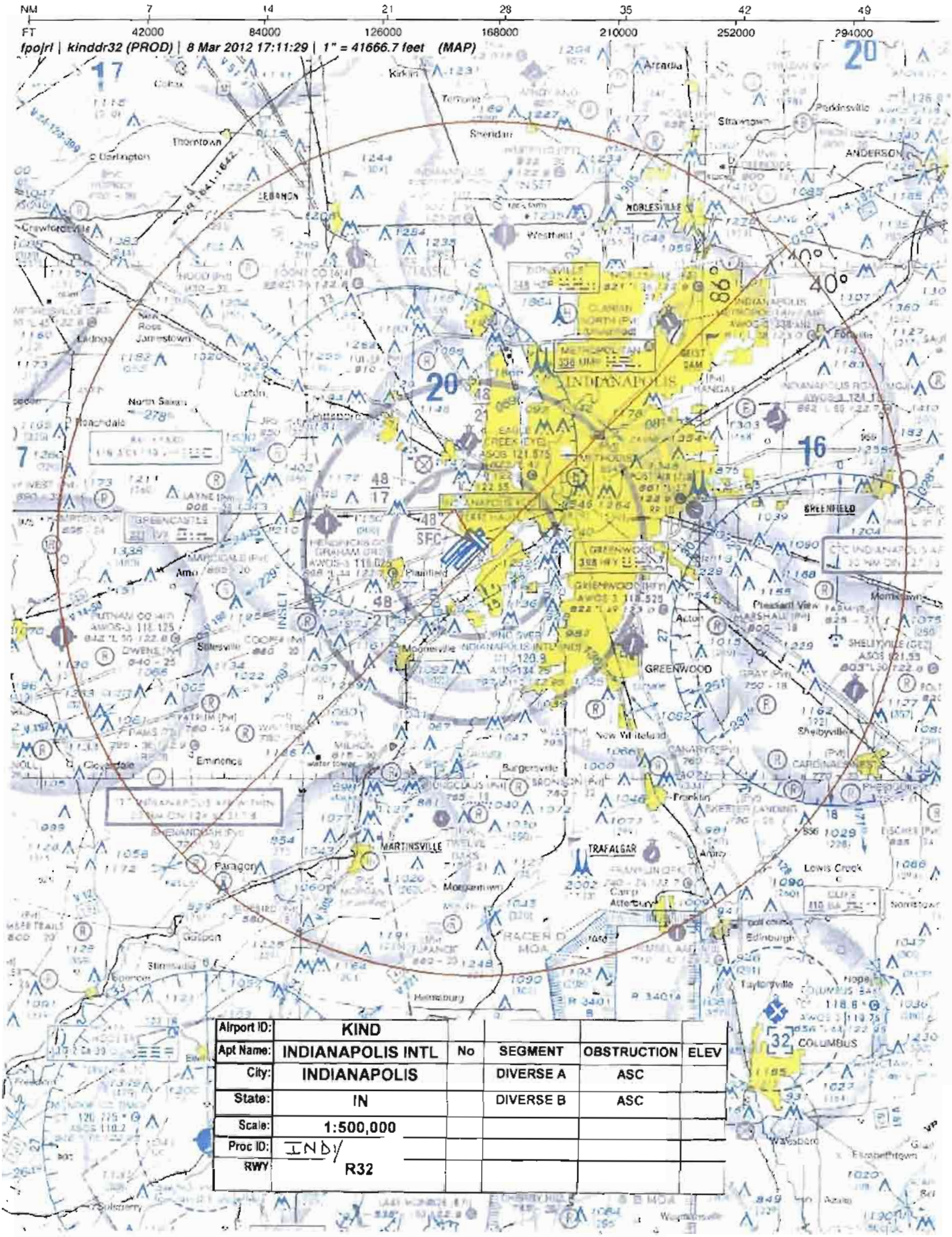

NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpojrl | kinddr23r (PROD) | 8 Mar 2012 17:07:40 | 1" = 41666.7 feet (MAP)
INDIANAPOLIS
GREENWOOD
MARTINSVILLE
TRAFALGAR
NOBLESVILLE
GREENFIELD
LEBANON
Airport ID: KIND
Apt Name: INDIANAPOLIS INTL
City: INDIANAPOLIS
State: IN
Scale: 1:500,000
Proc ID: INDy
RWY R23R
No
SEGMENT
OBSTRUCTION
ELEV
DIVERSE A
ASC
DIVERSE B
ASC



Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	ANTENNA	849
State:	IN				
Scale:	1:100,000				
Proc ID:	INDY				
RWY	R32				



Airport ID:	KIND				
Apt Name:	INDIANAPOLIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	INDIANAPOLIS	1	ICA LOW CLOSE IN OBS	ANTENNA	849
State:	IN		DIVERSE A/B	ASC	
Scale:	1:250,000 (scaled to show diverse area to MVA)				
Proc ID:	INDY				
RWY	R32				


NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpojrl | kinddr32 (PROD) | 8 Mar 2012 17:11:29 | 1" = 41666.7 feet (MAP)
INDIANAPOLIS
GREENWOOD
GREENFIELD
MARTINSVILLE
TRAFALGAR
LEBANON
NOBLESVILLE
ANDERSON
COLUMBUS
Airport ID: KIND
Apt Name: INDIANAPOLIS INTL
City: INDIANAPOLIS
State: IN
Scale: 1:500,000
Proc ID: INDY
RWY: R32
No
SEGMENT
OBSTRUCTION
ELEV
DIVERSE A
ASC
DIVERSE B
ASC

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
INDY	FOUR	INDY4.VHP	THREE	07/29/2011	

TYPE: SID

DP ROUTE DESCRIPTION:

DEPARTING INDIANAPOLIS INTL:

TAKE-OFF RWY 23R (TURBOJETS ONLY- DME REQUIRED): CLIMB ON HEADING 226.56 TO I-UZK 2.6 DME, THEN ON ASSIGNED HEADING 227 OR 212. MAINTAIN 5000. THENCE...

TAKE-OFF RWY 23L (TURBOJETS ONLY- DME REQUIRED): CLIMB ON HEADING 226.57 TO I-FVJ 2.3 DME, THEN ON ASSIGNED HEADING 210, 227, OR 242. MAINTAIN 5000. THENCE..

TAKE-OFF RWY 5R (TURBOJETS ONLY- DME REQUIRED): CLIMB ON HEADING 046.55 TO I-OQV 0.3 DME, THEN ON ASSIGNED HEADING 047 OR 070. MAINTAIN 5000. THENCE...

TAKE-OFF ALL OTHER RWYS (TURBOJETS ONLY): CLIMB ON ASSIGNED HEADING. MAINTAIN 5000. THENCE...

TAKE-OFF ALL RWYS (PROPELLER ONLY): CLIMB ON ASSIGNED HEADING. MAINTAIN 3000. THENCE...

DEPARTING EAGLE CREEK AIRPARK: TAKEOFF RWY 3: CLIMB HEADING 027.53 TO 2100 BEFORE TURNING RIGHT. THEN ON ASSIGNED HEADING TO ASSIGNED ALTITUDE. THENCE...

DEPARTING GREENWOOD MUNI: TAKEOFF RWY 1: CLIMB HEADING 009.65 TO 1500 BEFORE TURNING RIGHT. THEN ON ASSIGNED HEADING TO ASSIGNED ALTITUDE. THENCE...

DEPARTING INDIANAPOLIS METROPOLITAN: TAKEOFF RWY 33: CLIMB HEADING 328.58 TO 1400 BEFORE TURNING LEFT. THEN ON ASSIGNED HEADING TO ASSIGNED ALTITUDE. THENCE...

DEPARTING INDIANAPOLIS RGNL: TAKEOFF RWY 25: CLIMB HEADING 270.00 TO 2000 BEFORE TURNING LEFT. THEN ON ASSIGNED HEADING TO ASSIGNED ALTITUDE. THENCE...

DEPARTING ALL OTHER AUTHORIZED RUNWAYS / AIRPORTS: CLIMB ON ASSIGNED HEADING TO ASSIGNED ALTITUDE. THENCE.

...EXPECT RADAR VECTORS TO ASSIGNED ROUTE/FIX. EXPECT CLEARANCE TO REQUESTED ALTITUDE TEN MINUTES AFTER DEPARTURE.

QUALITY CHECK

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
INDY	FOUR	INDY4.VHP	THREE	07/29/2011	

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RADAR REQUIRED.

NOTE: SELECT APPROPRIATE LOCALIZER/DME FREQUENCY/CHANNEL PRIOR TO DEPARTURE.

NOTE: TURBOJETS ACCELERATE TO 250 KIAS UNTIL REACHING 10000, IF UNABLE ADVISE ATC.

TAKEOFF MINIMUMS:

INDIANAPOLIS INTL: RWY 5L, 5R, 14, 23L, 23R, 32 STANDARD.

EAGLE CREEK AIRPARK: RWY 3, 21 STANDARD.

INDIANAPOLIS EXECUTIVE: RWY 18, 36 STANDARD.

SHELBYVILLE MUNI: RWY 1, 19 STANDARD. RWY 9, 27 NA – ENVIRONMENTAL.

GREENWOOD MUNI: RWY 1 STANDARD. RWY 19, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 441 FT PER NM TO 1200.

INDIANAPOLIS METROPOLITAN: RWY 15 NA – OBSTACLES. RWY 33 STANDARD.

INDIANAPOLIS RGNL: RWY 7, 25, 16 STANDARD. RWY 34, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 347 FT PER NM TO 1100.

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
INDY	FOUR	INDY4.VHP	THREE	07/29/2011	

TAKEOFF OBSTACLES NOTES:

INDIANAPOLIS INTL: NOTE: RWY 5L, ROD ON OL MICROWAVE TOWER 5052 FT FROM DER, 140 FT RIGHT OF CENTERLINE, 129 FT AGL/923 FT MSL. TOWER 5073 FT FROM DER, 93 FT RIGHT OF CENTERLINE, 128 FT AGL/923 FT MSL.
NOTE: RWY 5R, TOWER 3756 FT FROM DER, 1048 FT LEFT OF CENTERLINE, 111 FT AGL/901 FT MSL. ROD ON OL DOME 3765 FT FROM DER, 1076 FT LEFT OF CENTERLINE, 107 FT AGL/901 FT MSL.
NOTE: RWY 23R, TREE 3295 FT FROM DER, 948 FT RIGHT OF CENTERLINE, 78 FT AGL/822 FT MSL. TREE 5159 FT FROM DER, 1144 FT RIGHT OF CENTERLINE, 101 FT AGL/870 FT MSL.
NOTE: RWY 32, ANTENNA 2370 FT FROM DER, 755 FT RIGHT OF CENTERLINE, 70 FT AGL/849 FT MSL. TREE 2244 FT FROM DER, 707 FT RIGHT OF CENTERLINE, 66 FT AGL/845 FT MSL.

EAGLE CREEK AIRPARK: NOTE: RWY 3, ANT ON BLDG 859 FT FROM DER, 524 FT RIGHT OF CENTERLINE 35 FT AGL/851 FT MSL. POLE 507 FT FROM DER, 631 FT LEFT OF CENTERLINE, 38 FT AGL/860 FT MSL. MULTIPLE TREES BEGINNING 2015 FT FROM DER, 583 FT LEFT OF CENTERLINE, UP TO 89 FT AGL/904 FT MSL.
NOTE: RWY 21, APT BCN 10 FT FROM DER, 464 FT LEFT OF CENTERLINE, 54 FT AGL/867 FT MSL. POLE 167 FT FROM DER, 385 FT LEFT OF CENTERLINE, 33 FT AGL/848 FT MSL. ANT ON BLDG 363 FT FROM DER, 258 FT LEFT OF CENTERLINE, 14 FT AGL/828 FT MSL. POLES 699 FT FROM DER, 38 FT AGL/849 FT MSL. MULTIPLE TREES BEGINNING 1383 FT FROM DER, 57 FT LEFT OF CENTERLINE, UP TO 94 FT AGL/904 FT MSL. VEHICLES ON ROAD, 310 FT FROM DER, RIGHT AND LEFT OF CENTERLINE, 15 FT AGL/833 FT MSL. TREES 677 FT FROM DER, 522 FT RIGHT OF CENTERLINE, 99 FT AGL/889 FT MSL. MULTIPLE TREES BEGINNING 761 FT FROM DER, 267 FT RIGHT OF CENTERLINE, UP TO 111 FT AGL/901 FT MSL.

INDIANAPOLIS EXECUTIVE: NOTE: RWY 18, TREE 1870 FT FROM DER, 524 FT LEFT OF CENTERLINE, 52 FT AGL/971 FT MSL.
NOTE: RWY 36, POLES 1115 FT FROM DER, 321 FT LEFT OF CENTERLINE, 33 FT AGL/958 FT MSL. MULTIPLE TREES BEGINNING 1257 FT FROM DER, 320 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/999 FT MSL. MULTIPLE TREES BEGINNING 2266 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 126 FT AGL/1035 FT MSL.

SHELBYVILLE MUNI: NOTE: RWY 1, TREES 1111 FT FROM DER, 753 FT RIGHT OF CENTERLINE, 69 FT AGL/869 FT MSL.
NOTE: RWY 19, TREES 2180 FT FROM DER, 261 FT RIGHT OF CENTERLINE, 100 FT AGL/899 FT MSL. TREES 2696 FT FROM DER, 498 FT LEFT OF CENTERLINE, 100 FT AGL/899 FT MSL.

GREENWOOD MUNI: NOTE: RWY 1, HANGAR 72 FT FROM DER, 500 FT LEFT OF CENTERLINE, 23 FT AGL/839 FT MSL. POLE 525 FT FROM DER, 224 FT LEFT OF CENTERLINE, 17 FT AGL/833 FT MSL. POLE 689 FT FROM DER, 627 FT LEFT OF CENTERLINE, 46 FT AGL/864 FT MSL. TREES BEGINNING 1274 FT FROM DER, 394 FT LEFT OF CENTERLINE, UP TO 85 FT AGL/899 FT MSL. BLDG 558 FT FROM DER, 409 FT RIGHT OF CENTERLINE, 40 FT AGL/858 FT MSL. POLE 1263 FT FROM DER, 722 FT RIGHT OF CENTERLINE, 37 FT AGL/860 FT MSL. POLE 1276 FT FROM DER, 482 FT RIGHT OF CENTERLINE, 34 FT AGL/856 FT MSL. TREES BEGINNING 2636 FT FROM DER, 375 FT RIGHT OF CENTERLINE, UP TO 77 FT AGL/898 FT MSL.
NOTE: RWY 19, TREES 1168 FT FROM DER, 288 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/887 FT MSL. TREES 3111 FT FROM DER, 632 FT LEFT OF CENTERLINE, 64 FT AGL/914 FT MSL. TREES BEGINNING 1577 FT FROM DER, 379 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/902 FT MSL. TREES 2832 FT FROM DER, 385 FT RIGHT OF CENTERLINE, 88 FT AGL/923 FT MSL. TANK 4134 FT FROM DER, 70 FT RIGHT OF CENTERLINE, 120 FT AGL/985 FT MSL.

INDIANAPOLIS METROPOLITAN: NOTE: RWY 33, VEHICLES ON ROAD 367 FT FROM DER, CROSSING LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/799 FT MSL. TREES BEGINNING 682 FT FROM DER, 69 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/879 FT MSL. TREES BEGINNING 1805 FT FROM DER, 648 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/874 FT MSL.

INDIANAPOLIS RGNL: NOTE: RWY 7, AIRPLANE ON TAXIWAY, 177 FT FROM DER, 518 FT LEFT OF CENTERLINE, UP TO 17 FT AGL/871 FT MSL. TREES BEGINNING 4074 FT FROM DER, 434 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/969 FT MSL. TREES BEGINNING 4626 FT FROM DER, 837 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/979 FT MSL.
NOTE: RWY 16, AIRPLANE ON TAXIWAY, 183 FT FROM DER, 479 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/871 FT MSL. POLE 234 FT FROM DER, 550 FT RIGHT OF CENTERLINE, 6 FT AGL/864 FT MSL. TREES BEGINNING 1634 FT FROM DER, 666 FT LEFT OF CENTERLINE, UP TO 78 FT AGL/929 FT MSL. NOTE: RWY 25, TREES BEGINNING 2347 FT FROM DER, 927 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/969 FT MSL. NOTE: RWY 34, TREES BEGINNING 1309 FT FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 98 FT AGL/954 FT MSL. POLE 1587 FT FROM DER, 295 FT LEFT OF CENTERLINE, 41 FT AGL/900 FT MSL. TREES BEGINNING 3099 FT FROM DER, 1043 FT RIGHT OF CENTERLINE, UP TO

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
INDY	FOUR	INDY4.VHP	THREE	07/29/2011	

86 FT AGL/960 FT MSL. ANTENNAS AND TOWERS BEGINNING 3682 FT FROM DER, 1364 FT RIGHT OF CENTERLINE, UP TO 167 FT AGL/1022 FT MSL.

CONTROLLING OBSTACLES:

EAGLE CREEK AIRPARK: RWY 3: 1866 FT MSL TOWER 395325.00N/0861220.00W

GREENWOOD MUNI: RWY 19: 985 FT MSL TANK 393635.00N/0860529.00W
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1 – 1542 FT MSL TOWER 394006.00N/0860144.00W.

INDIANAPOLIS METROPOLITAN: OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 33 - 1864 FT MSL TOWER, 395543.00N/0861055.00W

INDIANAPOLIS RGNL: RWY 34: 1022 FT MSL TOWER 395153.00N/0855341.00W.
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 25 - 1875 FT MSL TOWER 394603.00N/0860012.00W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART R-3401A AND R-3401B, R-3403A AND R-3403B.
CHART: ALL INDIANAPOLIS INTL RWYS.

AIRPORTS SERVED:

INDIANAPOLIS INTL	INDIANAPOLIS, IN
EAGLE CREEK AIRPARK	INDIANAPOLIS, IN
INDIANAPOLIS EXECUTIVE	INDIANAPOLIS, IN
SHELBYVILLE MUNI	SHELBYVILLE, IN
GREENWOOD MUNI	INDIANAPOLIS, IN
INDIANAPOLIS METROPOLITAN	INDIANAPOLIS, IN
INDIANAPOLIS RGNL	INDIANAPOLIS, IN

COMMUNICATIONS:

ATIS, INDIANAPOLIS CLEARANCE DELIVERY, INDIANAPOLIS GROUND CONTROL, INDIANAPOLIS TOWER, INDIANAPOLIS DEPARTURE CONTROL.

FIXES AND/OR NAVAIDS:

BOILER (BVT) VORTAC, BRICKYARD (VHP) VORTAC, CHAMPAIGN (CMI) VORTAC, CINCINNATI (CVG) VORTAC, DAYTON (DQN) VOR/DME, HOOSIER (OOM) VORTAC, KOKOMO (OKK) VORTAC, MARION (MZZ) VOR/DME, MUNCIE (MIE) VOR/DME, POCKET CITY (PXV) VORTAC, RICHMOND (RID) VORTAC, ROSEWOOD (ROD) VORTAC, SHELBYVILLE (SHB) VORTAC, TERRE HAUTE (TTH) VORTAC.

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
INDY	FOUR	INDY4.VHP	THREE	07/29/2011	

REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JILL OLSON (JOHN LINDSEY) AJV-353 03/19/2012

APPROVED BY:

LARRY STROUT AJV-353

COORDINATED WITH:

ALPA, AOPA, APA, ATA, NBAA, ZID, IND ATCT, IND APP CON, AMGR

CHANGES:

1. REMOVED ATC CLIMB GRADIENT TO 1200 FROM RWY 5R, 23R, AND 23L AND MADE STANDARD.
2. REMOVED 1200 FT CROSSING ALTITUDE FROM DME DISTANCES FROM RWY 5R, 23R, AND 23L.
3. CHANGED GREENWOOD MUNI, RWY 19 CLIMB GRADIENT FROM 471 FT PER NM TO 441 FT PER NM.
4. UPDATED CONTROLLING OBSTACLES AND TAKEOFF OBSTACLE NOTES FOR GREENWOOD MUNI AND FOR INDIANAPOLIS RGNL.
5. ADDED INDIANAPOLIS RGNL, INDIANAPOLIS METROPOLITAN, GREENWOOD MUNI, SHELBYVILLE MUNI, INDIANAPOLIS EXECUTIVE AND EAGLE CREEK AIRPARK TO LIST OF AIRPORTS SERVED.

REASONS:

1. PER ATC REQUEST.
2. PER ATC REQUEST.
3. CORRECTED TO UTILIZE 4D FLIGHT CHECK ACCURACY ADJUSTMENT PER PREVIOUS FLIGHT CHECK.
4. NEW CONTROLLING OBSTACLES AND TAKEOFF DATA AVAILABLE.
5. PER ATC REQUEST.

07/24/2012. THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 06/19/2012.
IN THE FIXES AND NAVAIDS SECTION, IDENTIFIER FOR KOKOMO VORTAC CHANGED FROM OOK TO OKK.

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: BOILER VORTAC **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 403322.03N/0870409.55W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BOILER	BVT	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	BVT	VORTAC	323.00	143.00	R	1		2300	14000	4	10
2	SE	BVT	VORTAC	135.00	315.00	R	1-1 1/2		14000	45000	10	29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (18-020146)	403522.33N/0871441.73W	1236	5E
2	265	TOWER (18-001280)	403248.00N/0865059.00W	1169	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PATTERN 2 ATC REQUESTED.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MEARZ			KEYE	INDIANAPOLIS	IN (US)
DP	MEARZ			KHFY	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KIND	INDIANAPOLIS	IN (US)
DP	PRNLE (RNAV)			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KMQJ	INDIANAPOLIS	IN (US)
DP	MEARZ			KTYQ	INDIANAPOLIS	IN (US)
DP	MEARZ			KUMP	INDIANAPOLIS	IN (US)
DP	MEARZ			KGEZ	SHELBYVILLE	IN (US)
DP	LOVEY (RNAV)			KCVG	COVINGTON	KY (US)
DP	WHITEWATER			KCVG	COVINGTON	KY (US)
DP	STREP (RNAV)			KSDF	LOUISVILLE	KY (US)
EN ROUTE	J89					(US)
EN ROUTE	V227					(US)
EN ROUTE	V251					(US)
EN ROUTE	V371					(US)
EN ROUTE	V399					(US)
EN ROUTE	V51					(US)
EN ROUTE	V7					(US)
EN ROUTE	V97					(US)
IAP	ILS OR LOC RWY 21			KDNV	DANVILLE	IL (US)
IAP	NDB RWY 9			KFKR	FRANKFORT	IN (US)
IAP	VOR OR GPS-A			K50I	KENTLAND	IN (US)
IAP	VOR/DME RNAV OR GPS RWY 27			K50I	KENTLAND	IN (US)
IAP	ILS RWY 10		1	KLAF	LAFAYETTE	IN (US)
IAP	VOR-A		1	KLAF	LAFAYETTE	IN (US)
IAP	RNAV (GPS) RWY 9			KGGP	LOGANSPORT	IN (US)
IAP	RNAV (GPS) RWY 36			KMCX	MONTICELLO	IN (US)
IAP	RNAV (GPS) RWY 36			KRZL	RENSSELAER	IN (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:**

REASON FOR REVISION:
UPDATED CONTROLLING OBSTACLE FROM 18-020221 1223 FT TO 18-020146 1236 FT.

DEVELOPED BY: **DATE:** 12/28/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZAU
ATC FACILITY: LAF ATCT
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: BRICKYARD VORTAC **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 394853.02N/0862202.88W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	BRICKYARD	VHP	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	VHP	VORTAC	256.00	076.00	L	1		2600	10000	4	9
2	NW	VHP	VORTAC	311.00	131.00	R	1		3000	10000	4	9
3	S	VHP	VORTAC	202.00	022.00	L	1		2500	10000	4	9
4	NW		WP	311.00	131.00	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (18-001444)	395325.00N/0861220.00W	1866	5D
1	200	TOWER (18-001084)	394806.00N/0863424.00W	1530	5D
1	310	TOWER (18-001444)	395325.00N/0861220.00W	1866	5D
2	200	TOWER (18-000853)	395214.00N/0863035.00W	1255	5D
2	310	TOWER (18-001084)	394806.00N/0863424.00W	1530	5D
3	200	TOWER (18-001377)	395146.32N/0862648.60W	1194	5D
4	200	TOWER (18-002004)	395455.00N/0862338.00W	1268	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 COMPATIBILITY WITH PROCEDURE TURN.
PAT 3 ATC REQUEST.

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	NDB RWY 21	KEYE	INDIANAPOLIS	IN (US)
1	VOR-A	KEYE	INDIANAPOLIS	IN (US)
2	ILS OR LOC RWY 32	KIND	INDIANAPOLIS	IN (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	DAWNN			KEYE	INDIANAPOLIS	IN (US)
DP	HOOSIER			KEYE	INDIANAPOLIS	IN (US)
DP	MAREO			KEYE	INDIANAPOLIS	IN (US)
DP	ROCKY			KEYE	INDIANAPOLIS	IN (US)
DP	DAWNN			KHFY	INDIANAPOLIS	IN (US)
DP	HOOSIER			KHFY	INDIANAPOLIS	IN (US)
DP	MAREO			KHFY	INDIANAPOLIS	IN (US)
DP	ROCKY			KHFY	INDIANAPOLIS	IN (US)
DP	DAWNN			KIND	INDIANAPOLIS	IN (US)
DP	HOOSIER			KIND	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	MAREO			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KIND	INDIANAPOLIS	IN (US)
DP	ROCKY			KIND	INDIANAPOLIS	IN (US)
DP	DAWNN			KMQJ	INDIANAPOLIS	IN (US)
DP	HOOSIER			KMQJ	INDIANAPOLIS	IN (US)
DP	MAREO			KMQJ	INDIANAPOLIS	IN (US)
DP	ROCKY			KMQJ	INDIANAPOLIS	IN (US)
DP	DAWNN			KTYQ	INDIANAPOLIS	IN (US)
DP	HOOSIER			KTYQ	INDIANAPOLIS	IN (US)
DP	MAREO			KTYQ	INDIANAPOLIS	IN (US)
DP	ROCKY			KTYQ	INDIANAPOLIS	IN (US)
DP	DAWNN			KUMP	INDIANAPOLIS	IN (US)
DP	HOOSIER			KUMP	INDIANAPOLIS	IN (US)
DP	MAREO			KUMP	INDIANAPOLIS	IN (US)
DP	ROCKY			KUMP	INDIANAPOLIS	IN (US)
DP	DAWNN			KGEZ	SHELBYVILLE	IN (US)
DP	HOOSIER			KGEZ	SHELBYVILLE	IN (US)
DP	MAREO			KGEZ	SHELBYVILLE	IN (US)

QUALITY CHECK

DP	ROCKY		KGEZ	SHELBYVILLE	IN (US)
DP	LOVEY (RNAV)		KCVG	COVINGTON	KY (US)
DP	WHITEWATER		KCVG	COVINGTON	KY (US)
DP	STREP (RNAV)		KSDF	LOUISVILLE	KY (US)
DP	GATEWAY		KSTL	ST LOUIS	MO (US)
DP	GATEWAY		KSUS	ST LOUIS	MO (US)
DP	OBRLN		KBKL	CLEVELAND	OH (US)
DP	OBRLN		KCGF	CLEVELAND	OH (US)
DP	OBRLN		KCLE	CLEVELAND	OH (US)
DP	DAYTON		KDAY	DAYTON	OH (US)
DP	OBRLN		K1G1	ELYRIA	OH (US)
DP	OBRLN		KLPR	LORAIN/ELYRIA	OH (US)
DP	OBRLN		K1G5	MEDINA	OH (US)
DP	OBRLN		K7G8	MIDDLEFIELD	OH (US)
DP	OBRLN		K2G1	PAINESVILLE	OH (US)
DP	OBRLN		KLNN	WILLOUGHBY	OH (US)
DP	TITAN (OBSTACLE)		KBNA	NASHVILLE	TN (US)
EN ROUTE	J110				(US)
EN ROUTE	J24				(US)
EN ROUTE	J80				(US)
EN ROUTE	V11				(US)
EN ROUTE	V128				(US)
EN ROUTE	V14				(US)
EN ROUTE	V192				(US)
EN ROUTE	V210				(US)
EN ROUTE	V24				(US)
EN ROUTE	V285				(US)
EN ROUTE	V305				(US)
EN ROUTE	V399				(US)
EN ROUTE	V434				(US)
EN ROUTE	V50				(US)
EN ROUTE	V53				(US)
EN ROUTE	V96				(US)
IAP	NDB RWY 4		KCFJ	CRAWFORDSVILLE	IN (US)
IAP	RNAV (GPS) RWY 18		K4I7	GREENCASTLE	IN (US)
IAP	VOR/DME-A		K4I7	GREENCASTLE	IN (US)
IAP	COPTER RNAV (GPS) 291	4	K8A4	INDIANAPOLIS	IN (US)
IAP	LOC RWY 21	1	KEYE	INDIANAPOLIS	IN (US)
IAP	NDB RWY 21	1	KEYE	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 21		KEYE	INDIANAPOLIS	IN (US)
IAP	VOR-A	1	KEYE	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 14		KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 23L		KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 23R	2	KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 32	2	KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 5L	2	KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 5R		KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (CAT II)	2	KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (CAT III)	2	KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5R (CAT II)		KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5R (CAT III)		KIND	INDIANAPOLIS	IN (US)
IAP	VOR RWY 34		KMQJ	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 36		KTYQ	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 36		KTYQ	INDIANAPOLIS	IN (US)
IAP	VOR RWY 36	3	KTYQ	INDIANAPOLIS	IN (US)
IAP	VOR/DME RWY 18	3	KTYQ	INDIANAPOLIS	IN (US)
IAP	NDB RWY 15		KUMP	INDIANAPOLIS	IN (US)
IAP	VOR RWY 33		KUMP	INDIANAPOLIS	IN (US)
IAP	VOR-B		K3I3	TERRE HAUTE	IN (US)
STAR	CLANG		KEYE	INDIANAPOLIS	IN (US)
STAR	DECEE		KEYE	INDIANAPOLIS	IN (US)
STAR	CLANG		KIND	INDIANAPOLIS	IN (US)
STAR	DECEE		KIND	INDIANAPOLIS	IN (US)
STAR	RACYR		KIND	INDIANAPOLIS	IN (US)
STAR	CLANG		KMQJ	INDIANAPOLIS	IN (US)
STAR	CEGRM (RNAV)		KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE		KCVG	COVINGTON	KY (US)
STAR	VANDALIA		KSTL	ST LOUIS	MO (US)
STAR	ZABER		KBKL	CLEVELAND	OH (US)
STAR	ZABER		KCGF	CLEVELAND	OH (US)
STAR	ZABER		KCLE	CLEVELAND	OH (US)
STAR	GUNNE		KCMH	COLUMBUS	OH (US)
STAR	GUNNE		KLCK	COLUMBUS	OH (US)
STAR	GUNNE		KOSU	COLUMBUS	OH (US)
STAR	GUNNE		KTZR	COLUMBUS	OH (US)
STAR	ZABER		K1G1	ELYRIA	OH (US)
STAR	GUNNE		KLHQ	LANCASTER	OH (US)
STAR	ZABER		KLPR	LORAIN/ELYRIA	OH (US)
STAR	ZABER		K1G5	MEDINA	OH (US)
STAR	ZABER		K7G8	MIDDLEFIELD	OH (US)
STAR	GUNNE		KVTA	NEWARK	OH (US)
STAR	ZABER		K2G1	PAINESVILLE	OH (US)
STAR	ZABER		KLNN	WILLOUGHBY	OH (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17 **DATE OF REVISION:** 10/22/2009

REASON FOR REVISION:
ADDED PRECIPITOUS TERRAIN STATEMENT.
UPDATED FIX USE.

DEVELOPED BY:	**DATE:** 04/20/2009	**OFFICE:** AVN-120	**NAME:** JON DENTON
APPROVED BY:	**DATE:** 08/11/2009	**OFFICE:** AVN-120	**NAME:** SUE CRUMB
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: IND APP CON
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: CHAMPAIGN VORTAC **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 400204.30N/0881633.82W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CHAMPAIGN	CMI	VORTAC	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	CMI	VORTAC	233.59	053.59	R	1-1 1/2		2500	17500	4	16
2	N	CMI	VORTAC	005.93	185.93	R	1-1 1/2		2600	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	310	TOWER (17-000470)	400411.00N/0875445.00W	1999	4D
1	200	TOWER (17-000043)	400504.00N/0881453.00W	1146	2D
2	200	TOWER (17-000530)	401052.00N/0881903.00W	1326	4D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:
HOLDING PATTERNS USED FOR NON RADAR OPERATIONS.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V192	1				(US)
EN ROUTE	V434	1				(US)
EN ROUTE	V251	1				IL (US)
EN ROUTE	V429	1				IL (US)
IAP	ILS OR LOC/DME RWY 2	1		KBMI	BLOOMINGTON-NORMAL	IL (US)
IAP	ILS OR LOC RWY 29	1		KBMI	BLOOMINGTON/NORMAL	IL (US)
IAP	ILS OR LOC RWY 32R	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	LOC/DME BC RWY 14L	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	NDB RWY 32R	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	RADAR-1	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	RNAV (GPS) RWY 32R	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	RNAV (GPS) RWY 4	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	VOR RWY 18	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	VOR RWY 4	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	VOR/DME RWY 14L	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	VOR/DME RWY 22	1		KCMI	CHAMPAIGN/URBANA	IL (US)
IAP	ILS OR LOC RWY 6	1		KDEC	DECATUR	IL (US)
IAP	LOC/DME BC RWY 24	1		KDEC	DECATUR	IL (US)
IAP	RNAV (GPS) RWY 30	1		KDEC	DECATUR	IL (US)
IAP	VOR RWY 18	1		KDEC	DECATUR	IL (US)
IAP	VOR RWY 36	1		KDEC	DECATUR	IL (US)
IAP	VOR OR GPS-A	1		K2K0	MONTICELLO	IL (US)
IAP	VOR OR GPS-A	1		KC16	URBANA	IL (US)
IAP	VOR/DME OR GPS-B	1		KC16	URBANA	IL (US)
STAR	VANDALIA			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 09/23/2010

REASON FOR REVISION:
UPDATED COORDINATES ON FORM ONLY.

DEVELOPED BY: **DATE:** 05/10/2010 **OFFICE:** AVN-120 **NAME:** JOSE ALFONSO (ANKUR VERMA)

APPROVED BY: **DATE:** 08/31/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZAU

ATC FACILITY: CMI
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: CINCINNATI VORTAC **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 390057.53N/0844212.05W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CINCINNATI	CVG	VORTAC	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	CVG	VORTAC	240.00	060.00	R	1		3000	6000	4	5
2	NE	CVG	VORTAC	058.59	238.59	R	1-1 1/2		3000	23000	4	19
3	NE		WP	058.59	238.59	R		4	3000	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	STACK (21-000528)	385415.00N/0845105.00W	1170	5D
2	200	TOWER (39-000369)	390719.00N/0843253.00W	1715	4D
3	200	TOWER (39-000369)	390719.00N/0843253.00W	1715	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	SULVN (RNAV)			KIND	INDIANAPOLIS	IN (US)
DP	BLUEGRASS			KCVG	COVINGTON	KY (US)
DP	BNGLE (RNAV)			KCVG	COVINGTON	KY (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	HAGOL (RNAV)			KCVG	COVINGTON	KY (US)
DP	KENLN (RNAV)			KCVG	COVINGTON	KY (US)
DP	ROHMM			KCVG	COVINGTON	KY (US)
DP	WHITEWATER			KCVG	COVINGTON	KY (US)
DP	ROCKT (RNAV)			KLUK	CINCINNATI	OH (US)
DP	LOCKBOURNE			KLCK	COLUMBUS	OH (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
EN ROUTE	V128					(US)
EN ROUTE	V19					(US)
EN ROUTE	V275					(US)
EN ROUTE	V47					(US)
EN ROUTE	V5					(US)
EN ROUTE	V517					(US)
EN ROUTE	V97					(US)
IAP	ILS OR LOC RWY 18C			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 18L			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 18R			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 27 (ALT MA)		1	KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36C			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36L			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 36R			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 9			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 18R (CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36C (CAT II, III)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36L (CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36R (CAT II, III)			KCVG	COVINGTON	KY (US)
IAP	VOR-B			KI69	BATAVIA	OH (US)
IAP	GPS RWY 6			KISZ	CINCINNATI	OH (US)
IAP	NDB RWY 6			KISZ	CINCINNATI	OH (US)
IAP	ILS OR LOC RWY 21L			KLUK	CINCINNATI	OH (US)
IAP	NDB RWY 21L			KLUK	CINCINNATI	OH (US)
IAP	NDB RWY 25			KLUK	CINCINNATI	OH (US)
IAP	ILS OR LOC RWY 29			KHAO	HAMILTON	OH (US)
IAP	RNAV (GPS) RWY 11			KHAO	HAMILTON	OH (US)
IAP	RNAV (GPS) RWY 29			KHAO	HAMILTON	OH (US)
IAP	VOR RWY 19			KI67	HARRISON	OH (US)
IAP	ILS OR LOC RWY 22R			KILN	WILMINGTON	OH (US)
IAP	ILS OR LOC RWY 4L			KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (CAT II, III)			KILN	WILMINGTON	OH (US)
STAR	DECEE			KIND	INDIANAPOLIS	IN (US)
STAR	REDSTONE		2	KJVY	JEFFERSONVILLE	IN (US)
STAR	BRUSH			KCVG	COVINGTON	KY (US)
STAR	CEGRM (RNAV) (LOST COMM)		3	KCVG	COVINGTON	KY (US)

STAR	CINCE		KCVG	COVINGTON	KY (US)
STAR	DEBAR		KCVG	COVINGTON	KY (US)
STAR	GAVNN (RNAV) (LOST COMM)	3	KCVG	COVINGTON	KY (US)
STAR	HARDU		KCVG	COVINGTON	KY (US)
STAR	JAKIE (RNAV) (LOST COMM)	3	KCVG	COVINGTON	KY (US)
STAR	MOSEY		KCVG	COVINGTON	KY (US)
STAR	SARGO (RNAV) (LOST COMM)	3	KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE		KCVG	COVINGTON	KY (US)
STAR	TIGRR (RNAV) (LOST COMM)	3	KCVG	COVINGTON	KY (US)
STAR	BRUSH		KK62	FALMOUTH	KY (US)
STAR	CINCE		KK62	FALMOUTH	KY (US)
STAR	GENUS		KK62	FALMOUTH	KY (US)
STAR	HARDU		KK62	FALMOUTH	KY (US)
STAR	HEDEE		KK62	FALMOUTH	KY (US)
STAR	MOSEY		KK62	FALMOUTH	KY (US)
STAR	CLEGG		KLEX	LEXINGTON	KY (US)
STAR	REDSTONE	2	KLOU	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)		KSDF	LOUISVILLE	KY (US)
STAR	REDSTONE	2	KSDF	LOUISVILLE	KY (US)
STAR	BRUSH		KI69	BATAVIA	OH (US)
STAR	CINCE		KI69	BATAVIA	OH (US)
STAR	GENUS		KI69	BATAVIA	OH (US)
STAR	HARDU		KI69	BATAVIA	OH (US)
STAR	HEDEE		KI69	BATAVIA	OH (US)
STAR	MOSEY		KI69	BATAVIA	OH (US)
STAR	BRUSH		KISZ	CINCINNATI	OH (US)
STAR	CINCE		KISZ	CINCINNATI	OH (US)
STAR	GENUS		KISZ	CINCINNATI	OH (US)
STAR	HARDU		KISZ	CINCINNATI	OH (US)
STAR	HEDEE		KISZ	CINCINNATI	OH (US)
STAR	MOSEY		KISZ	CINCINNATI	OH (US)
STAR	BRUSH		KLUK	CINCINNATI	OH (US)
STAR	GENUS		KLUK	CINCINNATI	OH (US)
STAR	HARDU		KLUK	CINCINNATI	OH (US)
STAR	HEDEE		KLUK	CINCINNATI	OH (US)
STAR	MOSEY		KLUK	CINCINNATI	OH (US)
STAR	ZABER		KBKL	CLEVELAND	OH (US)
STAR	ZABER		KCGF	CLEVELAND	OH (US)
STAR	ZABER		KCLE	CLEVELAND	OH (US)
STAR	GAILL (RNAV)		KCMH	COLUMBUS	OH (US)
STAR	KEKEE		KDAY	DAYTON	OH (US)
STAR	ZABER		K1G1	ELYRIA	OH (US)
STAR	BRUSH		KHAO	HAMILTON	OH (US)
STAR	CINCE		KHAO	HAMILTON	OH (US)
STAR	GENUS		KHAO	HAMILTON	OH (US)
STAR	HARDU		KHAO	HAMILTON	OH (US)
STAR	HEDEE		KHAO	HAMILTON	OH (US)
STAR	MOSEY		KHAO	HAMILTON	OH (US)
STAR	ZABER		KLPR	LORAIN/ELYRIA	OH (US)
STAR	ZABER		K1G5	MEDINA	OH (US)
STAR	ZABER		K7G8	MIDDLEFIELD	OH (US)
STAR	ZABER		K2G1	PAINESVILLE	OH (US)
STAR	ZABER		KLNN	WILLOUGHBY	OH (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 10/22/2009

REASON FOR REVISION:
UPDATED HOLDING OBST ID'S.
ADDED PRECIPITOUS TERRAIN STATEMENT.
DELETED HOLDING PAT 1, 064 INBOUND, NOT USED.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/20/2009 **OFFICE:** AVN-120 **NAME:** JON DENTON

APPROVED BY: **DATE:** 08/11/2009 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: CVG APP CON
OTHER: EASTERN FPO

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: DAYTON VOR/DME **STATE:** OH **COUNTRY:** US

LATITUDE/LONGITUDE: 400059.19N/0842348.83W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	DAYTON	DQN	VOR/DME	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	DQN	VOR/DME	205.00	025.00	L	1		3000	6000	4	5
2	W	DQN	VOR/DME	264.00	084.00	R	1		3000	6000	4	5
3	N	DQN	VOR/DME	002.00	182.00	R	1		2800	6000	4	5
4	W		WP	264.00	084.00	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-003751)	395847.00N/0843059.00W	1355	6F
2	200	TOWER (39-003751)	395847.00N/0843059.00W	1355	6F
3	200	TOWER (39-001782)	400721.00N/0842358.00W	1381	5D
4	200	TOWER (39-003751)	395847.00N/0843059.00W	1355	6F

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	HAGOL (RNAV)			KCVG	COVINGTON	KY (US)
DP	STREP (RNAV)			KSDF	LOUISVILLE	KY (US)
DP	LOCKBOURNE			KLCK	COLUMBUS	OH (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
EN ROUTE	V12					(US)
EN ROUTE	V12-517					(US)
EN ROUTE	V192					(US)
EN ROUTE	V275					(US)
EN ROUTE	V50					(US)
EN ROUTE	V55					(US)
EN ROUTE	V98					(US)
IAP	NDB OR GPS RWY 30			KAID	ANDERSON	IN (US)
IAP	ILS OR LOC RWY 24			KRID	RICHMOND	IN (US)
IAP	RNAV (GPS) RWY 26			KI22	WINCHESTER	IN (US)
IAP	VOR - A			KI22	WINCHESTER	IN (US)
IAP	ILS OR LOC RWY 36R			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36R (CAT II)			KCVG	COVINGTON	KY (US)
IAP	ILS RWY 36R (CAT III)			KCVG	COVINGTON	KY (US)
IAP	ILS OR LOC RWY 18		2	KDAY	DAYTON	OH (US)
IAP	ILS OR LOC RWY 24L			KDAY	DAYTON	OH (US)
IAP	ILS OR LOC RWY 24R		2	KDAY	DAYTON	OH (US)
IAP	ILS OR LOC RWY 6L		2	KDAY	DAYTON	OH (US)
IAP	ILS RWY 6L (CATII)		2	KDAY	DAYTON	OH (US)
IAP	ILS RWY 6L (CATIII)		2	KDAY	DAYTON	OH (US)
IAP	NDB RWY 6R		2	KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) RWY 18			KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) RWY 6L		4	KDAY	DAYTON	OH (US)
IAP	VOR-A			KI19	DAYTON	OH (US)
IAP	LOC/DME RWY 20			KMGY	DAYTON	OH (US)
IAP	VOR OR GPS RWY 21		3	K3I7	PHILLIPSBURG	OH (US)
IAP	VOR-A		1	KI17	PIQUA	OH (US)
IAP	ILS OR LOC RWY 24			KSGH	SPRINGFIELD	OH (US)
IAP	VOR RWY 6			KSGH	SPRINGFIELD	OH (US)
IAP	RNAV (GPS) RWY 27			KVES	VERSAILLES	OH (US)
IAP	RNAV (GPS) RWY 9			KVES	VERSAILLES	OH (US)
IAP	ILS OR LOC RWY 22R			KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (CATII)			KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (CATIII)			KILN	WILMINGTON	OH (US)
IAP	NDB RWY 22R			KILN	WILMINGTON	OH (US)
IAP	VOR RWY 22R			KILN	WILMINGTON	OH (US)

IAP	VOR/DME RWY 22R	KILN	WILMINGTON	OH (US)
STAR	CLANG	KIND	INDIANAPOLIS	IN (US)
STAR	DEBAR	KCVG	COVINGTON	KY (US)
STAR	TIGRR (RNAV)	KCVG	COVINGTON	KY (US)
STAR	MIZAR	KDTW	DETROIT	MI (US)
STAR	CRUXX	KYIP	DETROIT	MI (US)
STAR	ZABER	KBKL	CLEVELAND	OH (US)
STAR	ZABER	KCGF	CLEVELAND	OH (US)
STAR	ZABER	KCLE	CLEVELAND	OH (US)
STAR	DANEI	KDAY	DAYTON	OH (US)
STAR	KEKEE	KDAY	DAYTON	OH (US)
STAR	DANEI	KFFO	DAYTON	OH (US)
STAR	KEKEE	KFFO	DAYTON	OH (US)
STAR	DANEI	KMGY	DAYTON	OH (US)
STAR	ZABER	K1G1	ELYRIA	OH (US)
STAR	ZABER	KLPR	LORAIN/ELYRIA	OH (US)
STAR	ZABER	K1G5	MEDINA	OH (US)
STAR	ZABER	K7G8	MIDDLEFIELD	OH (US)
STAR	DANEI	KMWO	MIDDLETOWN	OH (US)
STAR	ZABER	K2G1	PAINESVILLE	OH (US)
STAR	DANEI	KSGH	SPRINGFIELD	OH (US)
STAR	KEKEE	KSGH	SPRINGFIELD	OH (US)
STAR	ZABER	KLNN	WILLOUGHBY	OH (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 12/17/2009

REASON FOR REVISION:
UPDATED REMARKS AND RESTRICTIONS.

DEVELOPED BY: **DATE:** 06/11/2009 **OFFICE:** AVN-101 **NAME:** EUGENE NEWTON (ERIC VALDEZ)

APPROVED BY: **DATE:** 10/06/2009 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: DAY APP CON
OTHER: SGH ATCT

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: HOOSIER VORTAC **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 390837.76N/0863646.87W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	HOOSIER	OOM	VORTAC	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	OOM	VORTAC	183.00	003.00	L	1		2500	14000	4	10
2	NE	OOM	VORTAC	066.00	246.00	R	1		3000	14000	4	10
3	N	OOM	VORTAC	349.00	169.00	R	1		2500	14000	4	10
4	SW	OOM	VORTAC	238.00	058.00	R	1		3000	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (18-000340)	390831.00N/0862943.00W	1452	5D
1	200	TOWER (18-000192)	390119.00N/0863559.00W	1238	4D
2	200	TOWER (18-000340)	390831.00N/0862943.00W	1452	5D
3	200	TOWER (18-001287)	391132.16N/0864146.01W	1349	5D
4	200	AAO	390406.00N/0863736.00W	1168	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 TRAFFIC SEPARATION

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GATEWAY	1		KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY	1		KBLV	BELLEVILLE	IL (US)
DP	GATEWAY	1		KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	HOOSIER	1		KEYE	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KHFY	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KIND	INDIANAPOLIS	IN (US)
DP	INDY	1		KIND	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KMQJ	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KTYQ	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KUMP	INDIANAPOLIS	IN (US)
DP	HOOSIER	1		KGEZ	SHELBYVILLE	IN (US)
DP	DERBY CITY	1		KSDF	LOUISVILLE	KY (US)
DP	GATEWAY	1		KSTL	ST LOUIS	MO (US)
DP	GATEWAY	1		KSUS	ST LOUIS	MO (US)
EN ROUTE	V221	1				IN (US)
EN ROUTE	V305	1				IN (US)
IAP	VOR/DME RWY 13	1		KBFR	BEDFORD	IN (US)
IAP	ILS OR LOC/DME RWY 35	1	1	KBMG	BLOOMINGTON	IN (US)
IAP	RNAV (GPS) RWY 06			KBMG	BLOOMINGTON	IN (US)
IAP	RNAV (GPS) RWY 17			KBMG	BLOOMINGTON	IN (US)
IAP	RNAV (GPS) RWY 24			KBMG	BLOOMINGTON	IN (US)
IAP	RNAV (GPS) RWY 35			KBMG	BLOOMINGTON	IN (US)
IAP	VOR RWY 17	1	3	KBMG	BLOOMINGTON	IN (US)
IAP	VOR/DME RWY 06	1	4	KBMG	BLOOMINGTON	IN (US)
IAP	VOR/DME RWY 24	1	2	KBMG	BLOOMINGTON	IN (US)
IAP	VOR/DME RWY 35	1	1	KBMG	BLOOMINGTON	IN (US)
IAP	RNAV (GPS) RWY 1			KHFY	INDIANAPOLIS	IN (US)
STAR	RACYR	1		KIND	INDIANAPOLIS	IN (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 07/28/2011

REASON FOR REVISION:

DELETED ESV DATA.
UPDATED HOLDING PATTERN 4 OBST DATA.
FIX USE UPDATE.
ADDED PRECIPITOUS TERRAIN REMARK.

DEVELOPED BY:	**DATE:** 04/01/2011	**OFFICE:** AVN-120	**NAME:** LARRY STROUT (ANDREA CHANEY)
APPROVED BY:	**DATE:** 05/04/2011	**OFFICE:** AVN-120	**NAME:** GREGORY YAMAMOTO
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: HUF APP CON
OTHER: BMG ATCT

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: KOKOMO VORTAC **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 403140.00N/0860328.81W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KOKOMO	OKK	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	OKK	VORTAC	039.00	219.00	R	1		2400	6000	4	5
2	SE	OKK	VORTAC	127.00	307.00	R	1		2400	6000	4	5
3	S	OKK	VORTAC	164.96	344.96	R	1		2600	6000	4	5
4	SW	OKK	VORTAC	220.00	040.00	R	1		2400	6000	4	5
5	S	OKK	VORTAC	185.00	005.00	R	1-1 1/2		14000	24000	13	19

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-001689)	403746.00N/0860228.00W	1128	4D
2	200	TOWER (18-000544)	402704.00N/0860212.00W	1335	5D
3	200	TOWER (18-000544)	402704.00N/0860212.00W	1335	5D
4	200	TOWER (18-000544)	402704.00N/0860212.00W	1335	5D
5	265	TOWER (18-000993)	402020.00N/0855715.00W	1649	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 CONTROLLING OBST AC 4D, IAPA STUDY 2009-AGL-1665-OE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MEARZ			KEYE	INDIANAPOLIS	IN (US)
DP	MEARZ			KHFY	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KMQJ	INDIANAPOLIS	IN (US)
DP	MEARZ			KTYQ	INDIANAPOLIS	IN (US)
DP	MEARZ			KUMP	INDIANAPOLIS	IN (US)
DP	MEARZ			KGEZ	SHELBYVILLE	IN (US)
EN ROUTE	V214					(US)
EN ROUTE	V285					(US)
EN ROUTE	V305					(US)
EN ROUTE	V96					(US)
IAP	ILS OR LOC RWY 30			KAID	ANDERSON	IN (US)
IAP	NDB RWY 30			KAID	ANDERSON	IN (US)
IAP	NDB RWY 09			KFKR	FRANKFORT	IN (US)
IAP	RNAV (GPS) RWY 18			KTYQ	INDIANAPOLIS	IN (US)
IAP	VOR/DME RWY 18			KTYQ	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 23		1	KOKK	KOKOMO	IN (US)
IAP	RNAV (GPS) RWY 23			KOKK	KOKOMO	IN (US)
IAP	RNAV (GPS) RWY 5			KOKK	KOKOMO	IN (US)
IAP	VOR RWY 23		1	KOKK	KOKOMO	IN (US)
IAP	VOR RWY 32		2	KOKK	KOKOMO	IN (US)
IAP	ILS RWY 10			KLAF	LAFAYETTE	IN (US)
IAP	RNAV (GPS) RWY 27			KGGP	LOGANSPORT	IN (US)
IAP	VOR-A		2	KGGP	LOGANSPORT	IN (US)
IAP	VOR/DME RNAV RWY 27			KGGP	LOGANSPORT	IN (US)
IAP	ILS OR LOC RWY 04			KMZZ	MARION	IN (US)
IAP	RNAV (GPS) RWY 15			KMZZ	MARION	IN (US)
IAP	RNAV (GPS) RWY 36			KMCX	MONTICELLO	IN (US)
IAP	VOR RWY 01		3	KI76	PERU	IN (US)
IAP	GPS RWY 23			K5I4	SHERIDAN	IN (US)
IAP	VOR/DME A			K5I4	SHERIDAN	IN (US)
IAP	RNAV (GPS) RWY 09			KIWH	WABASH	IN (US)
IAP	VOR OR GPS-A		4	KIWH	WABASH	IN (US)
STAR	FISSK			KMDW	CHICAGO	IL (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
UPDATE FAC 1, FACILITY MOVED 6 FEET.

DEVELOPED BY:	**DATE:** 08/19/2011	**OFFICE:** AJV-353	**NAME:** THOMAS KIRKPATRICK
APPROVED BY:	**DATE:** 10/18/2011	**OFFICE:** AJV-353	**NAME:** GREGORY YAMAMOTO
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAU
ATC FACILITY: GUS APP CON
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: MARION VOR/DME **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 402936.04N/0854045.32W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MARION	MZZ	VOR/DME	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	MZZ	VOR/DME	247.00	067.00	L	1		2400	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (18-000855)	403549.10N/0853919.70W	1399	5D
1	200	TOWER (18-000030)	403313.00N/0853845.00W	1150	5D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2500.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAINTAINED UNPLANNED HOLDING ALTITUDE AT 2500. UPLANNNED CONTROLLING OBSTACLE'S MSL HEIGHT CHANGED FROM 1442 TO 1399.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MEARZ			KEYE	INDIANAPOLIS	IN (US)
DP	MEARZ			KHFY	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KIND	INDIANAPOLIS	IN (US)
DP	MEARZ			KMQJ	INDIANAPOLIS	IN (US)
DP	MEARZ			KTYQ	INDIANAPOLIS	IN (US)
DP	MEARZ			KUMP	INDIANAPOLIS	IN (US)
DP	MEARZ			KGEZ	SHELBYVILLE	IN (US)
EN ROUTE	V11					IN (US)
EN ROUTE	V214					IN (US)
IAP	VOR OR GPS RWY 27			KI99	ALEXANDRIA	IN (US)
IAP	VOR-A			KAID	ANDERSON	IN (US)
IAP	ILS OR LOC 32			KFWA	FORT WAYNE	IN (US)
IAP	ILS OR LOC RWY 23		1	KOKK	KOKOMO	IN (US)
IAP	RNAV (GPS) RWY 23			KOKK	KOKOMO	IN (US)
IAP	RNAV (GPS) RWY 27			KGGP	LOGANSPORT	IN (US)
IAP	ILS OR LOC RWY 04		1	KMZZ	MARION	IN (US)
IAP	RNAV (GPS) RWY 15			KMZZ	MARION	IN (US)
IAP	VOR RWY 04		1	KMZZ	MARION	IN (US)
IAP	VOR RWY 15		1	KMZZ	MARION	IN (US)
IAP	VOR RWY 22		1	KMZZ	MARION	IN (US)
IAP	RNAV (GPS) RWY 14			KMIE	MUNCIE	IN (US)
IAP	VOR OR GPS RWY 20			KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 01			KI76	PERU	IN (US)
IAP	VOR OR GPS-A			KIWH	WABASH	IN (US)
STAR	ROYKO (RNAV)			KORD	CHICAGO	IL (US)
STAR	WATSN (RNAV)			KORD	CHICAGO	IL (US)
STAR	CLANG			KIND	INDIANAPOLIS	IN (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 07/29/2010

REASON FOR REVISION:
UPDATED FIX USE.
UPDATED CONTROLLING OBSTACLES.

DEVELOPED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** BETTY RICHARDS

APPROVED BY: **DATE:** 06/24/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZAU
ATC FACILITY: GUS APP CON
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: MUNCIE VOR/DME **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 401414.25N/0852338.53W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MUNCIE	MIE	VOR/DME	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	MIE	VOR/DME	127.00	307.00	R	1		2700	10000	4	9
2	E	MIE	VOR/DME	092.00	272.00	R	1		2500	10000	4	9
3	NE	MIE	VOR/DME	054.99	234.99	R	1		2500	10000	4	9
4	NW	MIE	VOR/DME	323.00	143.00	R	1		2600	10000	4	9
5	N	MIE	VOR/DME	021.05	201.05	R	1		2600	10000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000009)	400938.00N/0852242.00W	1513	2D
2	200	TOWER (18-000287)	401335.00N/0851507.00W	1376	2C
3	200	TOWER (18-000663)	401248.00N/0852734.00W	1249	5D
4	200	TOWER (18-000009)	400938.00N/0852242.00W	1513	2D
5	200	TOWER (18-000663)	401248.00N/0852734.00W	1249	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAREO			KEYE	INDIANAPOLIS	IN (US)
DP	MAREO			KHFY	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	MAREO			KIND	INDIANAPOLIS	IN (US)
DP	MAREO			KMQJ	INDIANAPOLIS	IN (US)
DP	MAREO			KTYQ	INDIANAPOLIS	IN (US)
DP	MAREO			KUMP	INDIANAPOLIS	IN (US)
DP	MAREO			KGEZ	SHELBYVILLE	IN (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	JBNCH (RNAV)			KCVG	COVINGTON	KY (US)
DP	OBRLN			KBKL	CLEVELAND	OH (US)
DP	OBRLN			KCGF	CLEVELAND	OH (US)
DP	OBRLN			KCLE	CLEVELAND	OH (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
DP	OBRLN			K1G1	ELYRIA	OH (US)
DP	OBRLN			KLPR	LORAIN/ELYRIA	OH (US)
DP	OBRLN			K1G5	MEDINA	OH (US)
DP	OBRLN			K7G8	MIDDLEFIELD	OH (US)
DP	OBRLN			K2G1	PAINESVILLE	OH (US)
DP	OBRLN			KLNN	WILLOUGHBY	OH (US)
EN ROUTE	Q42	1				(US)
EN ROUTE	V14					(US)
EN ROUTE	V14-192-210					(US)
EN ROUTE	V192					(US)
EN ROUTE	V210					(US)
EN ROUTE	V214					(US)
EN ROUTE	V221					(US)
IAP	VOR OR GPS RWY 27		2	KI99	ALEXANDRIA	IN (US)
IAP	ILS OR LOC RWY 30			KAID	ANDERSON	IN (US)
IAP	NDB RWY 30			KAID	ANDERSON	IN (US)
IAP	VOR-A		3	KAID	ANDERSON	IN (US)
IAP	ILS OR LOC RWY 05			KFWA	FORT WAYNE	IN (US)
IAP	ILS RWY 05 (CAT II)			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 05			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 14			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 5			KOKK	KOKOMO	IN (US)
IAP	ILS OR LOC RWY 32			KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 14			KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 20			KMIE	MUNCIE	IN (US)
IAP	RNAV (GPS) RWY 32			KMIE	MUNCIE	IN (US)
IAP	VOR RWY 14		4	KMIE	MUNCIE	IN (US)
IAP	VOR RWY 20		5	KMIE	MUNCIE	IN (US)
IAP	VOR RWY 32		1	KMIE	MUNCIE	IN (US)

IAP	VOR OR GPS RWY 27	KUWL	NEW CASTLE	IN (US)
IAP	ILS OR LOC RWY 24	KRID	RICHMOND	IN (US)
IAP	RNAV (GPS) RWY 26	KI22	WINCHESTER	IN (US)
IAP	RNAV (GPS) RWY 8	KI22	WINCHESTER	IN (US)
IAP	VOR-A	KI22	WINCHESTER	IN (US)
IAP	RNAV (GPS) RWY 09	KVES	VERSAILLES	OH (US)
STAR	CLANG	KIND	INDIANAPOLIS	IN (US)
STAR	DEBAR	KCVG	COVINGTON	KY (US)
STAR	HEDEE	KK62	FALMOUTH	KY (US)
STAR	HEDEE	KI69	BATAVIA	OH (US)
STAR	HEDEE	KLUK	CINCINNATI	OH (US)
STAR	HEDEE	KHAO	HAMILTON	OH (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 04/08/2010

REASON FOR REVISION:
UPDATE HOLDING PATTERN 5, CHANGED HOLDING INBOUND COURSE FROM 197.49 TO 201.05 AND ALTITUDE FROM 2500 TO 2600. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/21/2009 **OFFICE:** AVN-120 **NAME:** WADE TERRELL (HERMAN ROGERS)

APPROVED BY: **DATE:** 02/09/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: MIE ATCT, AID ATCT
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: POCKET CITY VORTAC **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 375541.95N/0874544.56W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	POCKET CITY	PXV	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	PXV	VORTAC	330.20	150.20	R	1		2100	14000	4	10
2	SW	PXV	VORTAC	237.00	057.00	R	1		2500	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (21-000029)	375155.00N/0873405.00W	1449	2C
1	200	TOWER (18-001320)	375706.80N/0874543.60W	967	5D
2	200	TOWER (18-001320)	375706.80N/0874543.60W	967	5D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED ON AIRWAY RADIALS AT OR ABOVE 2500.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLUES			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	TURBO			KALN	ALTON/ST LOUIS	IL (US)
DP	BLUES			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	BLUES			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	TURBO			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	HOOSIER			KEYE	INDIANAPOLIS	IN (US)
DP	HOOSIER			KHFY	INDIANAPOLIS	IN (US)
DP	HOOSIER			KIND	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	KEECH			KIND	INDIANAPOLIS	IN (US)
DP	HOOSIER			KMQJ	INDIANAPOLIS	IN (US)
DP	HOOSIER			KTYQ	INDIANAPOLIS	IN (US)
DP	HOOSIER			KUMP	INDIANAPOLIS	IN (US)
DP	HOOSIER			KGEZ	SHELBYVILLE	IN (US)
DP	APALO (RNAV)			KSDF	LOUISVILLE	KY (US)
DP	BLUES			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	TURBO			KSTL	ST LOUIS	MO (US)
DP	BLUES			KSUS	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	TURBO			KSUS	ST LOUIS	MO (US)
DP	TITAN (OBS)			KBNA	NASHVILLE	TN (US)
EN ROUTE	J131					(US)
EN ROUTE	J29					(US)
EN ROUTE	J73					(US)
EN ROUTE	J78					(US)
EN ROUTE	Q25					(US)
EN ROUTE	Q28					(US)
EN ROUTE	Q29					(US)
EN ROUTE	Q31					(US)
EN ROUTE	V11					(US)
EN ROUTE	V190					(US)
EN ROUTE	V305					(US)
EN ROUTE	V4					(US)
EN ROUTE	V47					(US)
EN ROUTE	V512					(US)
EN ROUTE	V52					(US)
EN ROUTE	V7					(US)
EN ROUTE	J112					IL (US)
IAP	NDB RWY 36			KCUL	CARMI	IL (US)
IAP	NDB RWY 9			KFWC	FAIRFIELD	IL (US)
IAP	ILS OR LOC RWY 23			KMVN	MOUNT VERNON	IL (US)
IAP	ILS OR LOC RWY 22		2	KEVV	EVANSVILLE	IN (US)
IAP	ILS OR LOC RWY 4		2	KEVV	EVANSVILLE	IN (US)
IAP	NDB RWY 22			KEVV	EVANSVILLE	IN (US)
IAP	RADAR-1		2	KEVV	EVANSVILLE	IN (US)

IAP	RNAV (GPS) RWY 22		KEVV	EVANSVILLE	IN (US)
IAP	RNAV (GPS) RWY 4		KEVV	EVANSVILLE	IN (US)
IAP	VOR RWY 4	2	KEVV	EVANSVILLE	IN (US)
IAP	RNAV (GPS) RWY 8		KFRH	FRENCH LICK	IN (US)
IAP	VOR-A	1	KEHR	HENDERSON	KY (US)
IAP	RNAV (GPS) RWY 25		K5M9	MARION	KY (US)
IAP	RNAV (GPS) RWY 7		K5M9	MARION	KY (US)
IAP	ILS OR LOC RWY 36		KOWB	OWENSBORO	KY (US)
IAP	VOR RWY 18		KOWB	OWENSBORO	KY (US)
IAP	VOR RWY 36		KOWB	OWENSBORO	KY (US)
IAP	VOR RWY 5		KOWB	OWENSBORO	KY (US)
STAR	RACYR		KIND	INDIANAPOLIS	IN (US)
STAR	SARGO (RNAV)		KCVG	COVINGTON	KY (US)
STAR	MOSEY		KCVG	COVINGTON/CINCINNATI	KY (US)
STAR	CHERI		KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)		KSDF	LOUISVILLE	KY (US)
STAR	QBALL		KSTL	ST LOUIS	MO (US)
STAR	ZABER		KBKL	CLEVELAND	OH (US)
STAR	ZABER		KCGF	CLEVELAND	OH (US)
STAR	ZABER		KCLE	CLEVELAND	OH (US)
STAR	GAILL (RNAV)		KCMH	COLUMBUS	OH (US)
STAR	ZABER		K1G1	ELYRIA	OH (US)
STAR	ZABER		KLPR	LORAIN/ELYRIA	OH (US)
STAR	ZABER		K1G5	MEDINA	OH (US)
STAR	ZABER		K7G8	MIDDLEFIELD	OH (US)
STAR	ZABER		K2G1	PAINESVILLE	OH (US)
STAR	ZABER		KLNN	WILLOUGHBY	OH (US)
STAR	LTOWN (RNAV)		KMEM	MEMPHIS	TN (US)
STAR	WLDER		KMEM	MEMPHIS	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 02/11/2010

REASON FOR REVISION:
UPDATED FIX USE.
ADDED PRECIPITOUS TERRAIN EVALUATION STATEMENT TO REMARKS SECTION.
MOVED UNPLANNED HOLDING AUTHORIZED NOTE FROM REMARKS SECTION TO HOLDING RESTRICTIONS SECTION.

DEVELOPED BY: **DATE:** 06/26/2009 **OFFICE:** AVN-120 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** 12/15/2009 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID, KC, ZME
ATC FACILITY: EVV ATCT
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: RICHMOND VORTAC **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 394518.08N/0845019.85W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	RICHMOND	RID	VORTAC	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	RID	VORTAC	246.00	066.00	R	1		2700	6000	4	5
2	W	RID	VORTAC	264.18	084.18	R	1-1 1/2		2800	17500	4	16
3	E	RID	VORTAC	080.00	260.00	R	1		2700	6000	4	5
4	NE	RID	VORTAC	058.15	238.15	R	1		2700	6000	4	5
5	NE	RID	VORTAC	048.00	228.00	R	1		2700	6000	4	5
6	SE	RID	VORTAC	152.02	332.02	R	1		2700	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	394624.00N/0844430.00W	1414	4E
2	200	TOWER (18-000983)	394533.00N/0850016.00W	1475	2A
3	200	TOWER (39-001172)	394408.00N/0844320.00W	1478	5D
4	200	AAO	394527.90N/0844346.50W	1440	6C
5	200	AAO	394527.90N/0844346.50W	1440	6C
6	200	TOWER (39-001172)	394408.00N/0844320.00W	1478	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	BNGLE (RNAV)			KCVG	COVINGTON	KY (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	HAGOL (RNAV)			KCVG	COVINGTON	KY (US)
DP	RICHMOND			KARB	ANN ARBOR	MI (US)
DP	RICHMOND			KDET	DETROIT	MI (US)
DP	RICHMOND			KDTW	DETROIT	MI (US)
DP	RICHMOND			KYIP	DETROIT	MI (US)
DP	RICHMOND			KPTK	PONTIAC	MI (US)
DP	OBRLN			KBKL	CLEVELAND	OH (US)
DP	OBRLN			KCGF	CLEVELAND	OH (US)
DP	OBRLN			KCLE	CLEVELAND	OH (US)
DP	OBRLN			K1G1	ELYRIA	OH (US)
DP	OBRLN			KLPR	LORAIN/ELYRIA	OH (US)
DP	OBRLN			K1G5	MEDINA	OH (US)
DP	OBRLN			K7G8	MIDDLEFIELD	OH (US)
DP	OBRLN			K2G1	PAINESVILLE	OH (US)
DP	OBRLN			KLNN	WILLOUGHBY	OH (US)
EN ROUTE	T213					(US)
EN ROUTE	V12		2			(US)
EN ROUTE	V12-517					(US)
EN ROUTE	V214					(US)
EN ROUTE	V340					(US)
EN ROUTE	V467					(US)
EN ROUTE	V517					(US)
IAP	ILS RWY 18		3	KCEV	CONNERSVILLE	IN (US)
IAP	VOR-A		3	KCEV	CONNERSVILLE	IN (US)
IAP	NDB OR GPS RWY 9			KUWL	NEW CASTLE	IN (US)
IAP	NDB RWY 27			KUWL	NEW CASTLE	IN (US)
IAP	VOR OR GPS RWY 27			KUWL	NEW CASTLE	IN (US)
IAP	ILS OR LOC RWY 24		4	KRID	RICHMOND	IN (US)
IAP	RNAV (GPS) RWY 24			KRID	RICHMOND	IN (US)
IAP	RNAV (GPS) RWY 33			KRID	RICHMOND	IN (US)
IAP	RNAV(GPS) RWY 6			KRID	RICHMOND	IN (US)
IAP	VOR RWY 24		5	KRID	RICHMOND	IN (US)
IAP	VOR RWY 33		6	KRID	RICHMOND	IN (US)
IAP	VOR RWY 6		1	KRID	RICHMOND	IN (US)
IAP	RNAV (GPS) RWY 8			KI22	WINCHESTER	IN (US)
IAP	VOR -A			KI22	WINCHESTER	IN (US)
IAP	ILS OR LOC RWY 24L			KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) RWY 6L			KDAY	DAYTON	OH (US)
IAP	NDB-A			KMGY	DAYTON	OH (US)

IAP	ILS OR LOC RWY 29	KHAO	HAMILTON	OH (US)
IAP	RNAV (GPS) RWY 11	KHAO	HAMILTON	OH (US)
IAP	RNAV (GPS) RWY 29	KHAO	HAMILTON	OH (US)
IAP	NDB-A	KI68	LEBANON	OH (US)
IAP	NDB RWY 5	KOXD	OXFORD	OH (US)
IAP	RNAV (GPS) RWY 8	KI17	PIQUA	OH (US)
IAP	ILS OR LOC RWY 24	KSGH	SPRINGFIELD	OH (US)
STAR	CEGRM (RNAV)	KCVG	COVINGTON	KY (US)
STAR	DEBAR	KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE	KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED PAT 4 AND PAT 5 CONTROLLER.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 12/07/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (AISHAT NAUZO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: DAY, CVG, IND
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: ROSEWOOD VORTAC **STATE:** OH **COUNTRY:** US

LATITUDE/LONGITUDE: 401716.08N/0840235.28W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ROSEWOOD	ROD	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	ROD	VORTAC	310.00	130.00	R	1		2800	6000	4	5
2	NE	ROD	VORTAC	063.00	243.00	R	1		2800	6000	4	5
3	SE	ROD	VORTAC	142.00	322.00	R	1		3000	6000	4	5
4	NE	ROD	VORTAC	066.00	246.00	R	1		3000	6000	4	5
5	W	ROD	VORTAC	248.49	068.49	R	1		3000	6000	4	5
6	SW		WP	244.00	064.00	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (39-002629)	400822.15N/0835750.07W	1630	2C
1	200	TOWER (39-000804)	401821.00N/0840654.00W	1530	5D
2	200	TOWER (39-000804)	401821.00N/0840654.00W	1530	5D
3	200	TOWER (39-000804)	401821.00N/0840654.00W	1530	5D
4	200	TOWER (39-000804)	401821.00N/0840654.00W	1530	5D
5	200	TOWER (39-000804)	401821.00N/0840654.00W	1530	5D
6	200	TOWER (39-000804)	401821.00N/0840654.00W	1530	5D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 5000.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	MAREO			KEYE	INDIANAPOLIS	IN (US)
DP	MAREO			KHFY	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	MAREO			KIND	INDIANAPOLIS	IN (US)
DP	MAREO			KMQJ	INDIANAPOLIS	IN (US)
DP	MAREO			KTYQ	INDIANAPOLIS	IN (US)
DP	MAREO			KUMP	INDIANAPOLIS	IN (US)
DP	MAREO			KGEZ	SHELBYVILLE	IN (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	HAGOL (RNAV)			KCVG	COVINGTON	KY (US)
DP	STREP (RNAV)			KSDF	LOUISVILLE	KY (US)
DP	ROSEWOOD			KARB	ANN ARBOR	MI (US)
DP	MOTOWN			KDET	DETROIT	MI (US)
DP	ROSEWOOD			KDET	DETROIT	MI (US)
DP	ROSEWOOD			KDTW	DETROIT	MI (US)
DP	ROSEWOOD			KYIP	DETROIT	MI (US)
DP	ROSEWOOD			KPTK	PONTIAC	MI (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
DP	OBRLN			KBKL	CLEVELAND	OH (US)
DP	OBRLN			KCGF	CLEVELAND	OH (US)
DP	OBRLN			KCLE	CLEVELAND	OH (US)
DP	LOCKBOURNE			KLCK	COLUMBUS	OH (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
DP	OBRLN			K1G1	ELYRIA	OH (US)
DP	OBRLN			KLPR	LORAIN/ELYRIA	OH (US)
DP	OBRLN			K1G5	MEDINA	OH (US)
DP	OBRLN			K7G8	MIDDLEFIELD	OH (US)
DP	OBRLN			K2G1	PAINESVILLE	OH (US)
DP	OBRLN			KLNN	WILLOUGHBY	OH (US)
EN ROUTE	J149					(US)
EN ROUTE	J152					(US)
EN ROUTE	J29					(US)
EN ROUTE	J39					(US)
EN ROUTE	J43					(US)
EN ROUTE	V210					(US)
EN ROUTE	V277					(US)
EN ROUTE	V383					(US)

EN ROUTE	V416				(US)
EN ROUTE	V435				(US)
EN ROUTE	V47				(US)
EN ROUTE	V542				(US)
IAP	ILS OR LOC RWY 5		KFWA	FORT WAYNE	IN (US)
IAP	ILS RWY 5 (CAT II)		KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 25	6	KEDJ	BELLEFONTAINE	OH (US)
IAP	RNAV (GPS) RWY 7	6	KEDJ	BELLEFONTAINE	OH (US)
IAP	VOR/DME RWY 25	5	KEDJ	BELLEFONTAINE	OH (US)
IAP	VOR/DME RWY 7	5	KEDJ	BELLEFONTAINE	OH (US)
IAP	RNAV (GPS) RWY 26		KCQA	CELINA	OH (US)
IAP	RNAV (GPS) RWY 8		KCQA	CELINA	OH (US)
IAP	ILS OR LOC RWY 18		KDAY	DAYTON	OH (US)
IAP	ILS OR LOC RWY 24L		KDAY	DAYTON	OH (US)
IAP	ILS OR LOC RWY 24R		KDAY	DAYTON	OH (US)
IAP	ILS OR LOC RWY 6L	2	KDAY	DAYTON	OH (US)
IAP	ILS RWY 6L (CAT II)	2	KDAY	DAYTON	OH (US)
IAP	ILS RWY 6L (CAT III)	2	KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) RWY 18		KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) RWY 24L		KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) RWY 24R		KDAY	DAYTON	OH (US)
IAP	RNAV (GPS) RWY 36		KFDY	FINDLAY	OH (US)
IAP	RNAV (GPS) RWY 4		KI95	KENTON	OH (US)
IAP	NDB OR GPS RWY 9		KAOH	LIMA	OH (US)
IAP	NDB RWY 9		KUYF	LONDON	OH (US)
IAP	RNAV (GPS) RWY 26		KI17	PIQUA	OH (US)
IAP	VOR RWY 26	2	KI17	PIQUA	OH (US)
IAP	VOR OR GPS RWY 23	4	KI12	SIDNEY	OH (US)
IAP	VOR/DME RNAV OR GPS RWY 28		KI12	SIDNEY	OH (US)
IAP	HI-ILS OR LOC/DME RWY 24		KSGH	SPRINGFIELD	OH (US)
IAP	HI-TACAN RWY 6		KSGH	SPRINGFIELD	OH (US)
IAP	HI-TACAN RWY 24		KSGH	SPRINGFIELD	OH (US)
IAP	ILS OR LOC RWY 24		KSGH	SPRINGFIELD	OH (US)
IAP	NDB RWY 24		KSGH	SPRINGFIELD	OH (US)
IAP	VOR RWY 24		KSGH	SPRINGFIELD	OH (US)
IAP	VOR/DME RWY 33		KSGH	SPRINGFIELD	OH (US)
IAP	HI-ILS OR LOC RWY 07		KTOL	TOLEDO	OH (US)
IAP	HI-ILS OR LOC RWY 25		KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 07		KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 25		KTOL	TOLEDO	OH (US)
IAP	RNAV (GPS) RWY 20		KI74	URBANA	OH (US)
IAP	VOR-A	1	KI74	URBANA	OH (US)
IAP	RNAV (GPS) RWY 27		KVES	VERSAILLES	OH (US)
IAP	VOR-A	3	KAXV	WAPAKONETA	OH (US)
STAR	WATSN (RNAV)		KORD	CHICAGO	IL (US)
STAR	CLANG		KIND	INDIANAPOLIS	IN (US)
STAR	REDSTONE		KJVY	JEFFERSONVILLE	IN (US)
STAR	DEBAR		KCVG	COVINGTON	KY (US)
STAR	TIGRR (RNAV)		KCVG	COVINGTON	KY (US)
STAR	HEDEE		KK62	FALMOUTH	KY (US)
STAR	REDSTONE		KLOU	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)		KSDF	LOUISVILLE	KY (US)
STAR	GEMNI		KDTW	DETROIT	MI (US)
STAR	WEEDA		KDTW	DETROIT	MI (US)
STAR	HEDEE		KI69	BATAVIA	OH (US)
STAR	HEDEE		KISZ	CINCINNATI	OH (US)
STAR	HEDEE		KLUK	CINCINNATI	OH (US)
STAR	ZABER		KBKL	CLEVELAND	OH (US)
STAR	ZABER		KCGF	CLEVELAND	OH (US)
STAR	ZABER		KCLE	CLEVELAND	OH (US)
STAR	GUNNE		KCMH	COLUMBUS	OH (US)
STAR	ZABER		K1G1	ELYRIA	OH (US)
STAR	HEDEE		KHAO	HAMILTON	OH (US)
STAR	GUNNE		KLHQ	LANCASTER	OH (US)
STAR	ZABER		KLPR	LORAIN/ELYRIA	OH (US)
STAR	ZABER		K1G5	MEDINA	OH (US)
STAR	ZABER		K7G8	MIDDLEFIELD	OH (US)
STAR	GUNNE		KVTA	NEWARK	OH (US)
STAR	ZABER		K2G1	PAINESVILLE	OH (US)
STAR	ZABER		KLNN	WILLOUGHBY	OH (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 **DATE OF REVISION:** 05/03/2012

REASON FOR REVISION:
1. UPDATED PAT 6 INBOUND COURSE FROM 64.04 TO 64.00.
2. UPDATED UNPLANNED HOLDING CONTROLLING OBSTACLE.
3. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/01/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (MIKE MELSSEN)

APPROVED BY: **DATE:** 03/01/2012 **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: DAY APP CON
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: SHELBYVILLE VORTAC **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 393757.15N/0854927.54W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SHELBYVILLE	SHB	VORTAC	L							17500

FIX RESTRICTIONS:
VOR UNUSABLE 180-277 BEYOND 17 NM BELOW 6000.
VOR UNUSABLE BYD 25 NM BELOW 3000.

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	SHB	VORTAC	336.00	156.00	L	1		2400	8000	4	8
2	SE	SHB	VORTAC	150.00	330.00	R	1		2600	8000	4	8
3	E	SHB	VORTAC	089.00	269.00	R	1		2600	8000	4	8
4	NW	SHB	VORTAC	334.00	154.00	R	1		2400	8000	4	8
5	S	SHB	VORTAC	166.00	346.00	R	1		2500	8000	4	8
6	NE		WP	038.88	218.88	R		4	2500	6000	5	6
7	SE		WP	142.71	322.71	R		4	2900	6000	5	6
8	SE	SHB	VORTAC	149.92	329.92	R	1		2600	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (18-000936)	394006.00N/0860144.00W	1542	5D
1	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
2	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
3	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
4	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
5	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
6	200	TOWER (18-000611)	394659.00N/0854740.00W	1255	5D
7	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C
8	200	TOWER (18-000878)	393629.00N/0855211.00W	1229	3C

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6000.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	LOVEY			KCVG	COVINGTON	KY (US)
DP	STREP (RNAV)			KSDF	LOUISVILLE	KY (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
EN ROUTE	V12					(US)
EN ROUTE	V221					(US)
EN ROUTE	V51					(US)
EN ROUTE	V97					(US)
IAP	ILS RWY 23			KBAK	COLUMBUS	IN (US)
IAP	RNAV (GPS) RWY 14		6	KBAK	COLUMBUS	IN (US)
IAP	RNAV (GPS) RWY 23			KBAK	COLUMBUS	IN (US)
IAP	VOR-A			KI34	GREENSBURG	IN (US)
IAP	COPTER GPS 291			K8A4	INDIANAPOLIS	IN (US)
IAP	COPTER VOR/DME 287			K8A4	INDIANAPOLIS	IN (US)
IAP	NDB RWY 1		3	KHFY	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 1			KHFY	INDIANAPOLIS	IN (US)
IAP	VOR-A		3	KHFY	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 14		2	KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 32			KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 25		4	KMQJ	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 25		7	KMQJ	INDIANAPOLIS	IN (US)
IAP	VOR RWY 34		5	KMQJ	INDIANAPOLIS	IN (US)
IAP	VOR RWY 33		8	KUMP	INDIANAPOLIS	IN (US)
IAP	RNAV (GPS) RWY 1			KGEZ	SHELBYVILLE	IN (US)
IAP	RNAV (GPS) RWY 19			KGEZ	SHELBYVILLE	IN (US)

IAP	VOR RWY 19	1	KGEZ	SHELBYVILLE	IN (US)
IAP	RNAV (GPS) RWY 8		KI22	WINCHESTER	IN (US)
IAP	NDB RWY 20		KLUG	LEWISBURG	TN (US)
STAR	CLANG		KEYE	INDIANAPOLIS	IN (US)
STAR	DECEE		KEYE	INDIANAPOLIS	IN (US)
STAR	CLANG		KIND	INDIANAPOLIS	IN (US)
STAR	DECEE		KIND	INDIANAPOLIS	IN (US)
STAR	RACYR		KIND	INDIANAPOLIS	IN (US)
STAR	CLANG		KMQJ	INDIANAPOLIS	IN (US)
STAR	CEGRM		KCVG	COVINGTON	KY (US)
STAR	SHELBYVILLE		KCVG	COVINGTON	KY (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
ADDED HOLDING PATTERN 8.

DEVELOPED BY: **DATE:** 02/15/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: IND APP CON
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: TERRE HAUTE VORTAC **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 392920.19N/0871456.47W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TERRE HAUTE	TTH	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	TTH	VORTAC	049.00	229.00	R	1		2300	6000	4	5
2	NW		WP	319.12	139.12	R		10	18000	31000	16	24

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	TOWER (18-000456)	391355.00N/0872341.00W	1551	5D
1	200	TOWER (18-001906)	393223.56N/0870719.76W	993	2C
1	310	TOWER (18-000890)	393014.00N/0872637.00W	1249	3C

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2600.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 5	KHUF	TERRE HAUTE	IN (US)
1	VOR/DME RWY 5	KHUF	TERRE HAUTE	IN (US)

REMARKS:
PAT 1 EVALUATED AT 265 KTS FOR CAT E MINIMUMS ON LOC BC RWY 23 AT KHUF.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 2 - 10 NM LEGS REQUESTED BY ATC FOR RNAV STAR HOLDING.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	ROCKY			KEYE	INDIANAPOLIS	IN (US)
DP	ROCKY			KHFY	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	ROCKY			KIND	INDIANAPOLIS	IN (US)
DP	ROCKY			KMQJ	INDIANAPOLIS	IN (US)
DP	ROCKY			KTYQ	INDIANAPOLIS	IN (US)
DP	ROCKY			KUMP	INDIANAPOLIS	IN (US)
DP	ROCKY			KGEZ	SHELBYVILLE	IN (US)
DP	LOVEY (RNAV)			KCVG	COVINGTON	KY (US)
DP	WHITEWATER			KCVG	COVINGTON	KY (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
DP	TITAN (OBSTACLE)			KBNA	NASHVILLE	TN (US)
EN ROUTE	V14					(US)
EN ROUTE	V171					(US)
EN ROUTE	V192					(US)
EN ROUTE	V243					(US)
EN ROUTE	V50					(US)
EN ROUTE	V7					(US)
IAP	RNAV (GPS) RWY 22			K1H8	CASEY	IL (US)
IAP	RNAV (GPS) RWY 27			KPRG	PARIS	IL (US)
IAP	VOR/DME-A			KPRG	PARIS	IL (US)
IAP	RNAV (GPS) RWY 27			K0I2	BRAZIL	IN (US)
IAP	VOR OR GPS RWY 9			K0I2	BRAZIL	IN (US)
IAP	RNAV (GPS) RWY 36			K4I7	GREENCASTLE	IN (US)
IAP	ILS OR LOC RWY 23R			KIND	INDIANAPOLIS	IN (US)
IAP	ILS OR LOC RWY 5L			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (CAT II)			KIND	INDIANAPOLIS	IN (US)
IAP	ILS RWY 5L (CAT III)			KIND	INDIANAPOLIS	IN (US)
IAP	NDB RWY 36			KSIV	SULLIVAN	IN (US)
IAP	VOR/DME-A			KSIV	SULLIVAN	IN (US)
IAP	VOR OR GPS-A			K3I3	TERRE HAUTE	IN (US)
IAP	VOR-B			K3I3	TERRE HAUTE	IN (US)
IAP	ILS OR LOC RWY 5		1	KHUF	TERRE HAUTE	IN (US)
IAP	LOC BC RWY 23		1	KHUF	TERRE HAUTE	IN (US)
IAP	RNAV (GPS) RWY 23			KHUF	TERRE HAUTE	IN (US)
IAP	RNAV (GPS) RWY 5			KHUF	TERRE HAUTE	IN (US)
IAP	VOR RWY 23		1	KHUF	TERRE HAUTE	IN (US)

IAP	VOR/DME RWY 5	1	KHUF	TERRE HAUTE	IN (US)
STAR	RACYR		KIND	INDIANAPOLIS	IN (US)
STAR	CHERI		KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)		KSDF	LOUISVILLE	KY (US)
STAR	FRIZN (RNAV)	2	KSDF	LOUISVILLE	KY (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
ADDED PAT 2 DATA.
ADDED NOTE TO REMARKS SECTION: PAT 2 - 10 NM LEGS REQUESTED BY ATC FOR RNAV STAR HOLDING.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 06/27/2011 **OFFICE:** AJV-352 **NAME:** MICHAEL CURRAN

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: HUF APP CON
OTHER: