Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: TEXTUAL DP	Date Open: 02/07/2012	Task #: 2012020723452401001	Request #: 20120207234524
Procedure: PORTLAND OR KPDX AMDT 8		Airport ID: KPDX	Airport: PORTLAND INTL		Reimbursable #:
City: PORTLAND	**ST:** OR	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID:	**Fac. Type:** Proc-T	**Specialist:** TRACEY STILES			

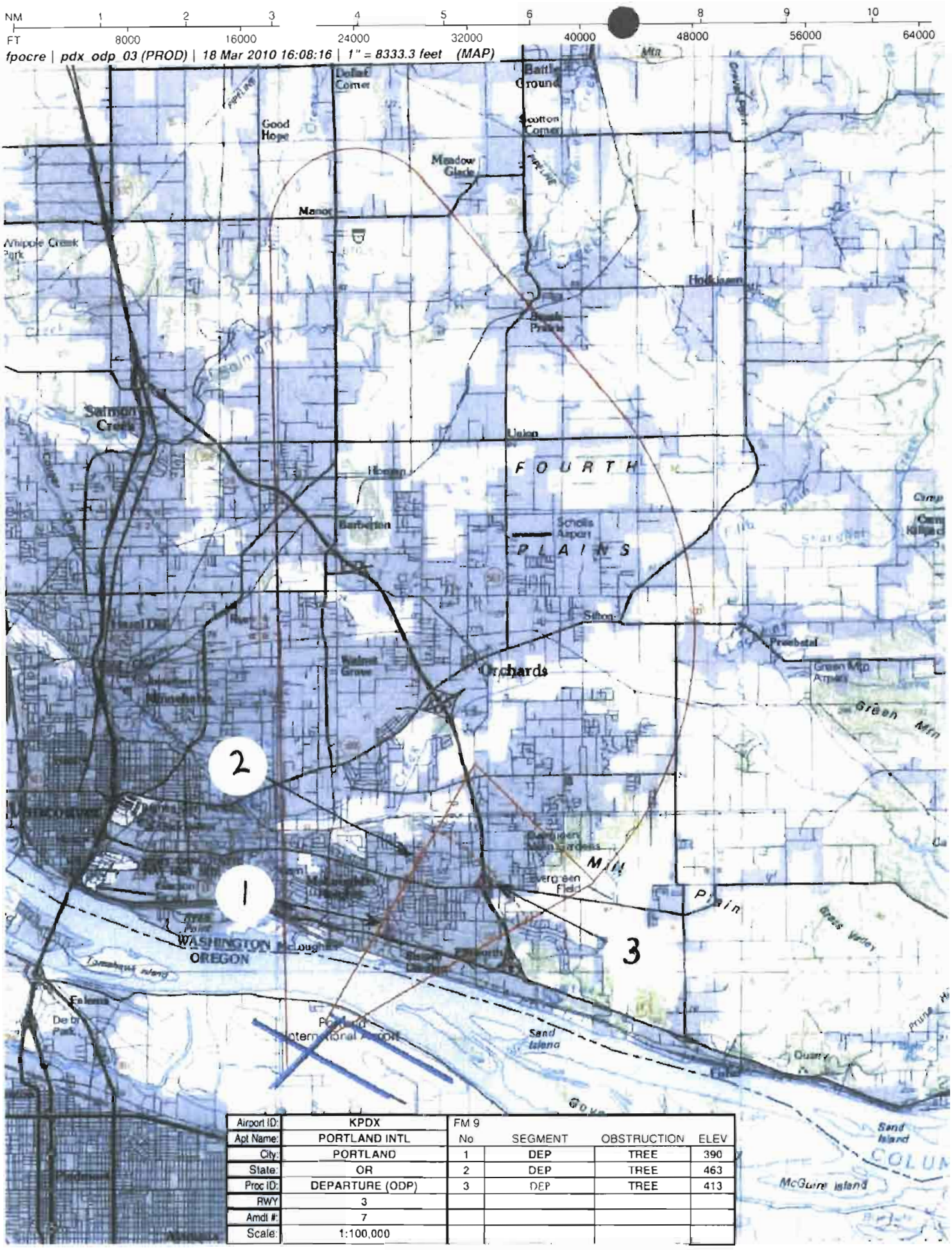
Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	02/24/2012	06/22/2012	LONNIE EVERHART	MAG VAR P3
QA:	06/22/2012	06/22/2012	STEVEN SZUKALA	
Liaison:	06/22/2012		K. Spurlin	P3; MAGVAR; REQUEST TABLE TOP PKG 3 of 6

Procedure Comments:

Remark Type: INFORMATION

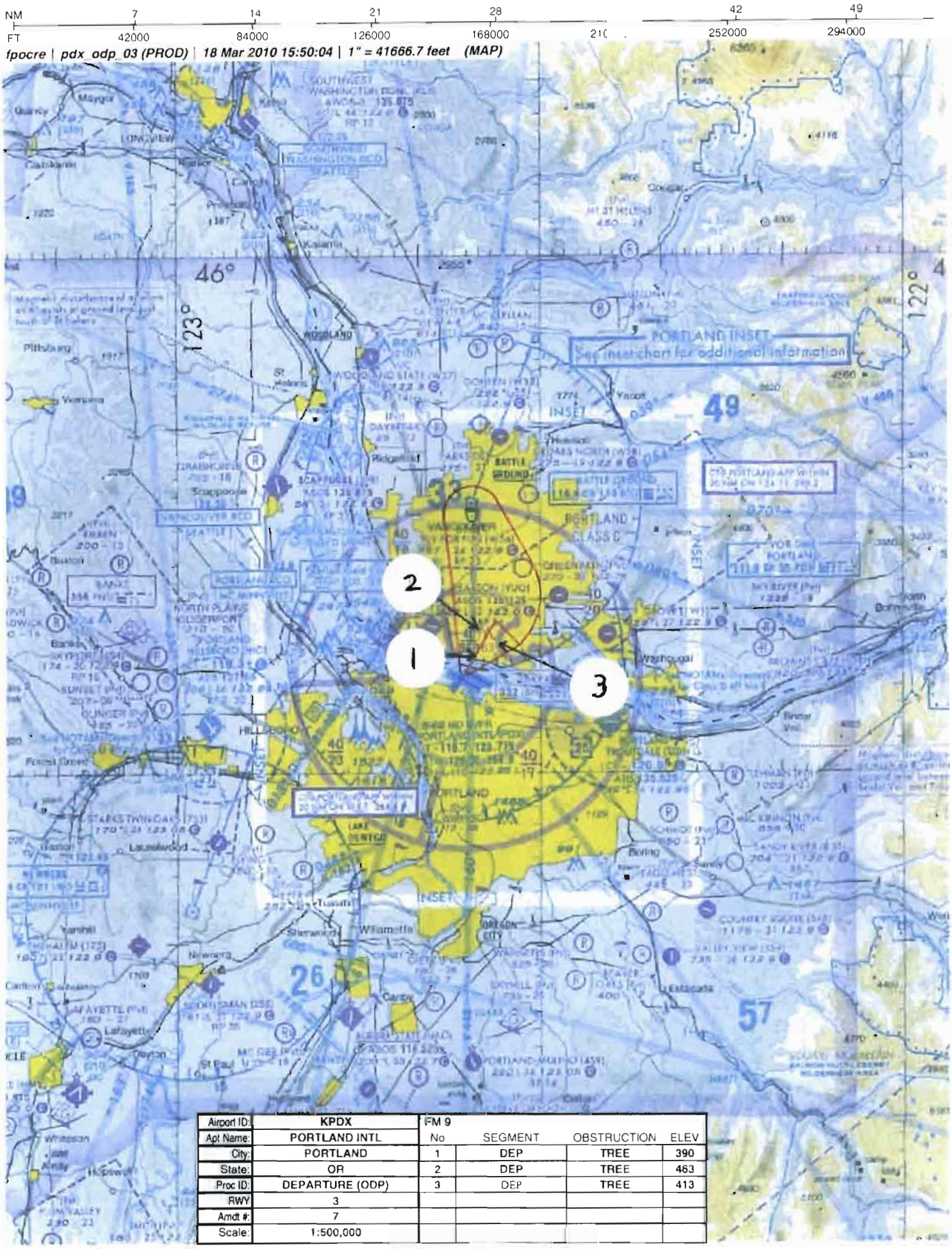
PORTLAND, OR PORTLAND INTL (KPDX) TAKEOFF DEP/MINS (ODP) AMDT 8. ENREOUTE-YES; FC BY 7/24/12; PUB 9/20/12
ATTACHED FORMS: 8260-15A
PART OF KPDX MAGVAR ROTATION PROJECT
REQUEST FLIGHT CHECK TABLE TOP
CONTACT: ADOLFO URRUTIA/LONNIE EVERHART-AVN-130 LEADS, 405.954.2079/405.954.4576.



Airport ID:	KPDX
Apt Name:	PORTLAND INTL
City:	PORTLAND
State:	OR
Proc ID:	DEPARTURE (ODP)
RWY	3
Amdt #:	7
Scale:	1:100,000

FM 9

No	SEGMENT	OBSTRUCTION	ELEV
1	DEP	TREE	390
2	DEP	TREE	463
3	DEP	TREE	413



Airport ID:	KPDX
Apt Name:	PORTLAND INTL
City:	PORTLAND
State:	OR
Proc ID:	DEPARTURE (ODP)
RWY	3
Amdt #:	7
Scale:	1:500,000

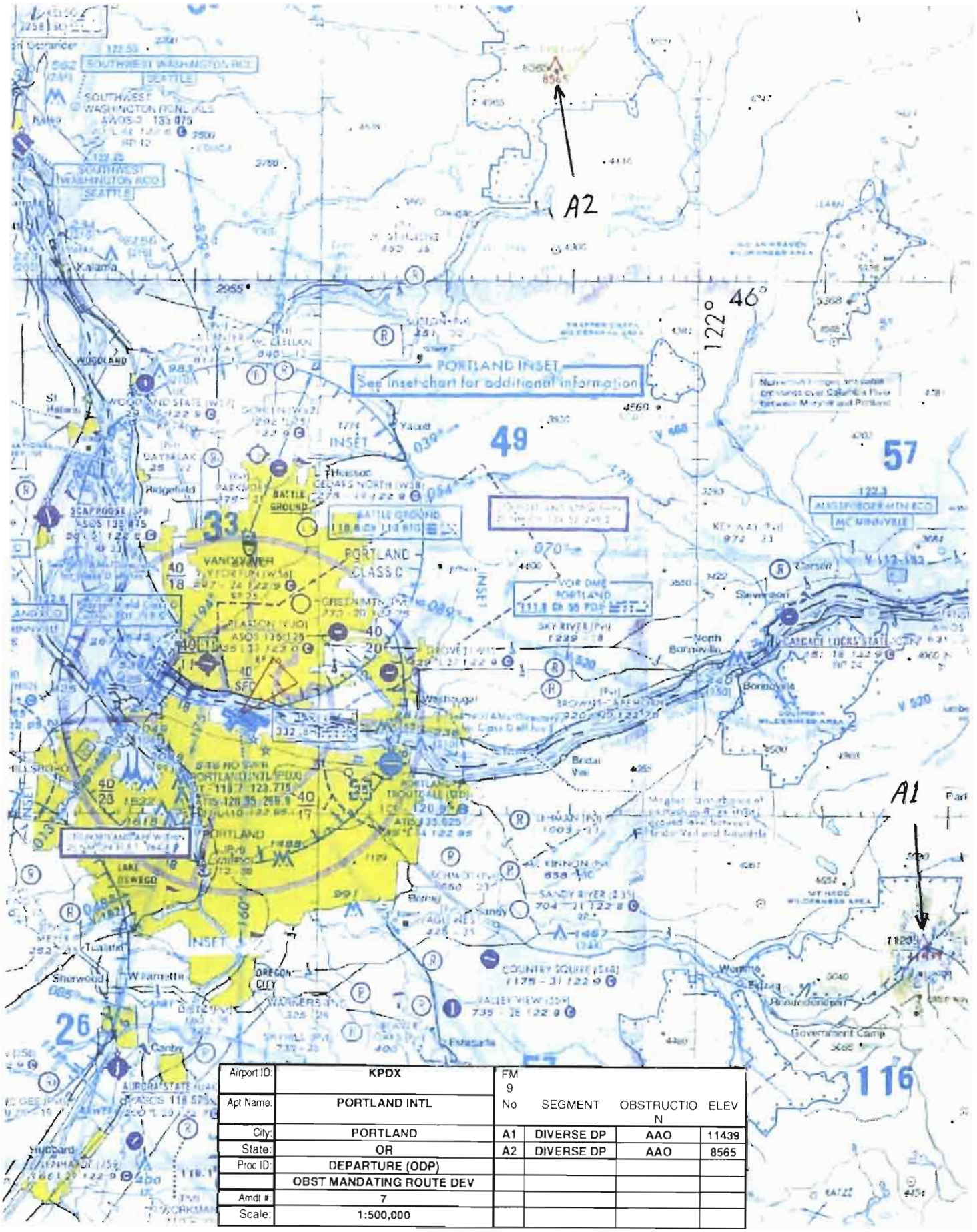
FM 9

No	SEGMENT	OBSTRUCTION	ELEV
1	DEP	TREE	390
2	DEP	TREE	463
3	DEP	TREE	413

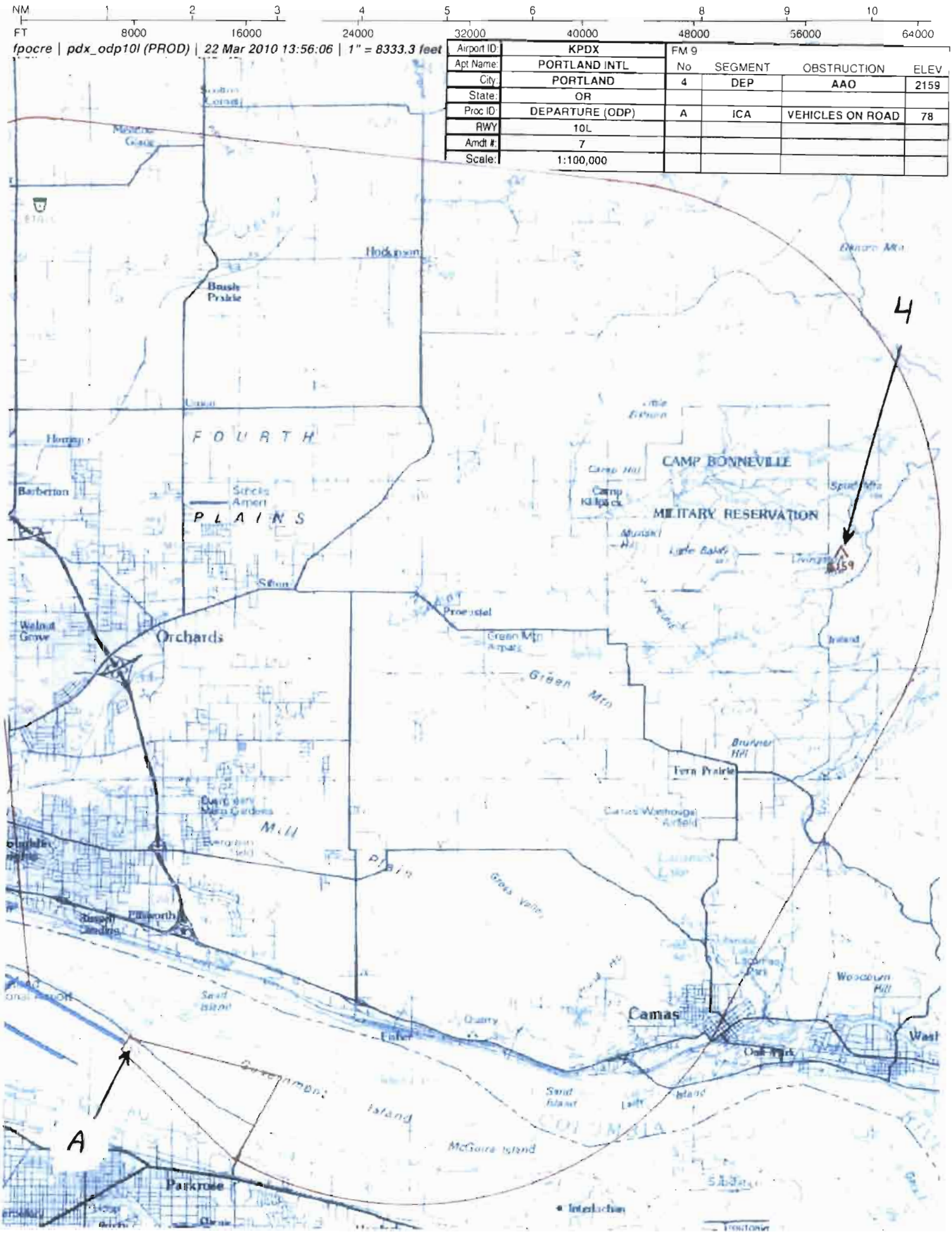
NM 7 14 21 28 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpocre | pdx_odp_03 (PROD) | 16 Apr 2010 09:55:58 | 1" = 41666.7 feet (MAP)



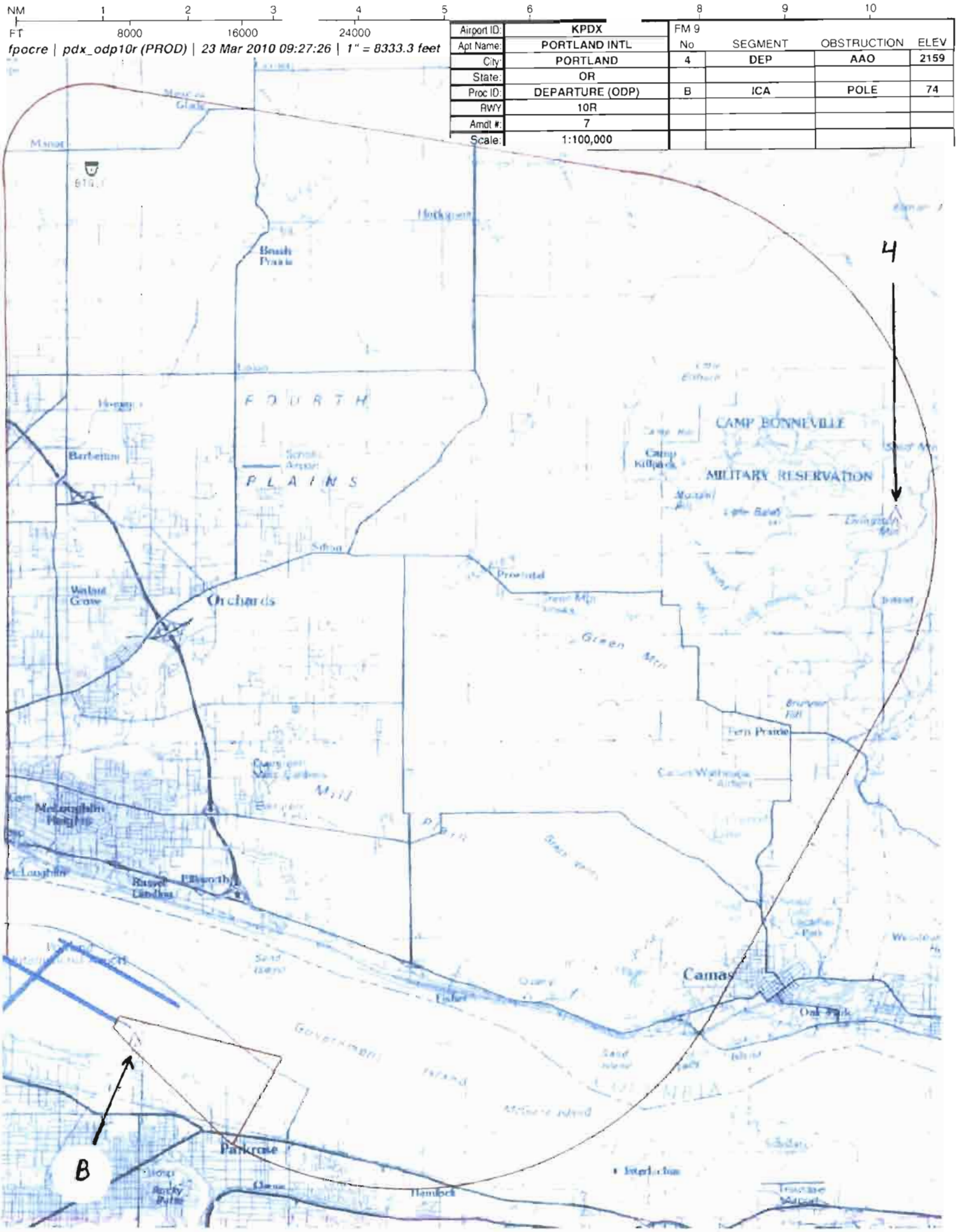
Airport ID:	KPDX	FM 9 No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	PORTLAND INTL				
City:	PORTLAND	A1	DIVERSE DP	AAO	11439
State:	OR	A2	DIVERSE DP	AAO	8565
Proc ID:	DEPARTURE (ODP)				
	OBST MANDATING ROUTE DEV				
Amdt #:	7				
Scale:	1:500,000				



Airport ID:	KPDX
Apt Name:	PORTLAND INTL
City:	PORTLAND
State:	OR
Proc ID:	DEPARTURE (ODP)
RWY	10L
Amdt #:	7
Scale:	1:100,000

FM 9

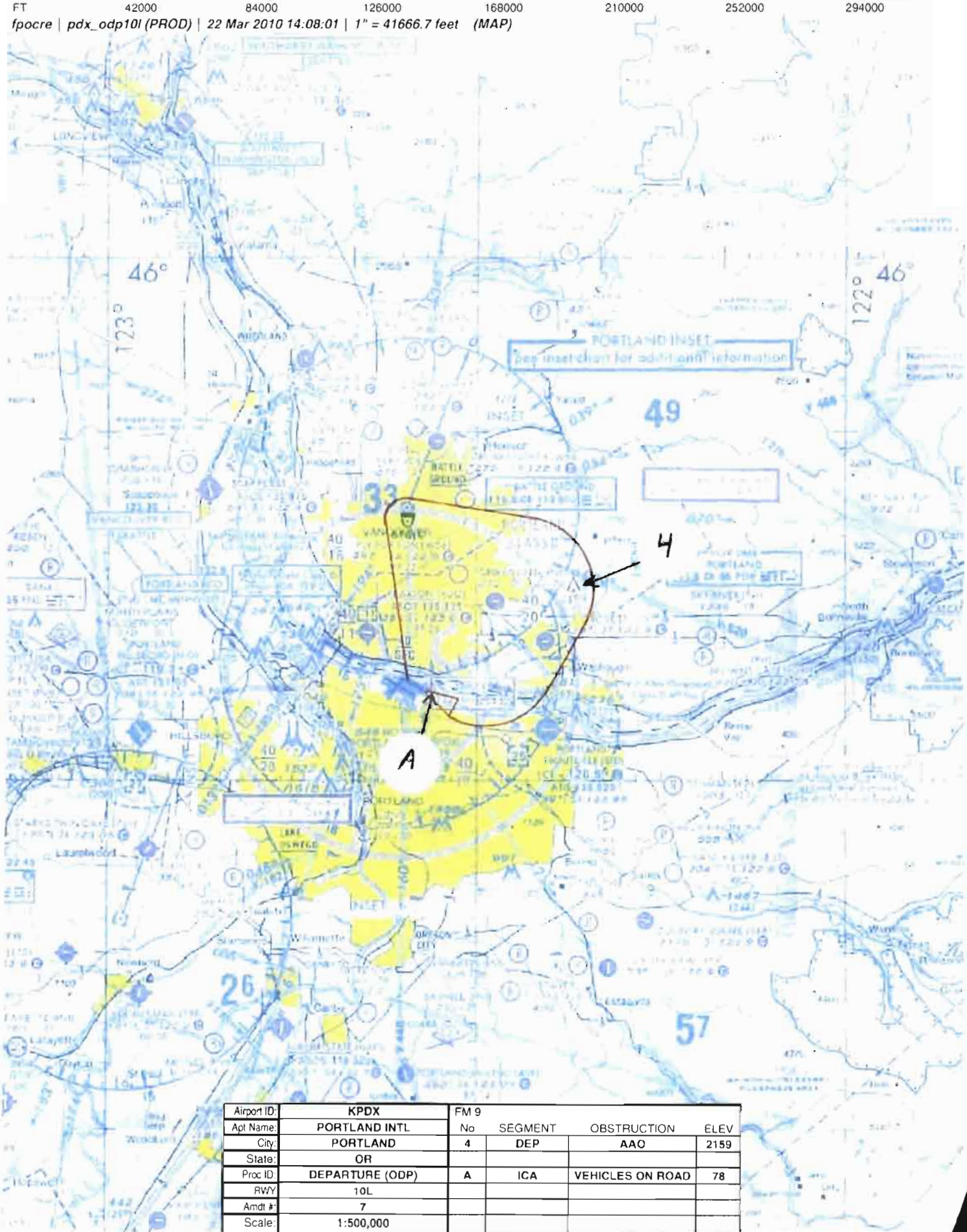
No	SEGMENT	OBSTRUCTION	ELEV
4	DEP	AAO	2159
A	ICA	VEHICLES ON ROAD	78


NM 1 2 3 4 5 6 8 9 10
FT 8000 16000 24000
fpocre | pdx_odp10r (PROD) | 23 Mar 2010 09:27:26 | 1" = 8333.3 feet
Airport ID: KPDX
Apt Name: PORTLAND INTL
City: PORTLAND
State: OR
Proc ID: DEPARTURE (ODP)
RWY: 10R
Amdt #: 7
Scale: 1:100,000
FM 9
No SEGMENT OBSTRUCTION ELEV
4 DEP AAO 2159
B ICA POLE 74
4
B
FOURTH PLAINS
CAMP BONNEVILLE
MILITARY RESERVATION
Orchards
Camas
Parkrose

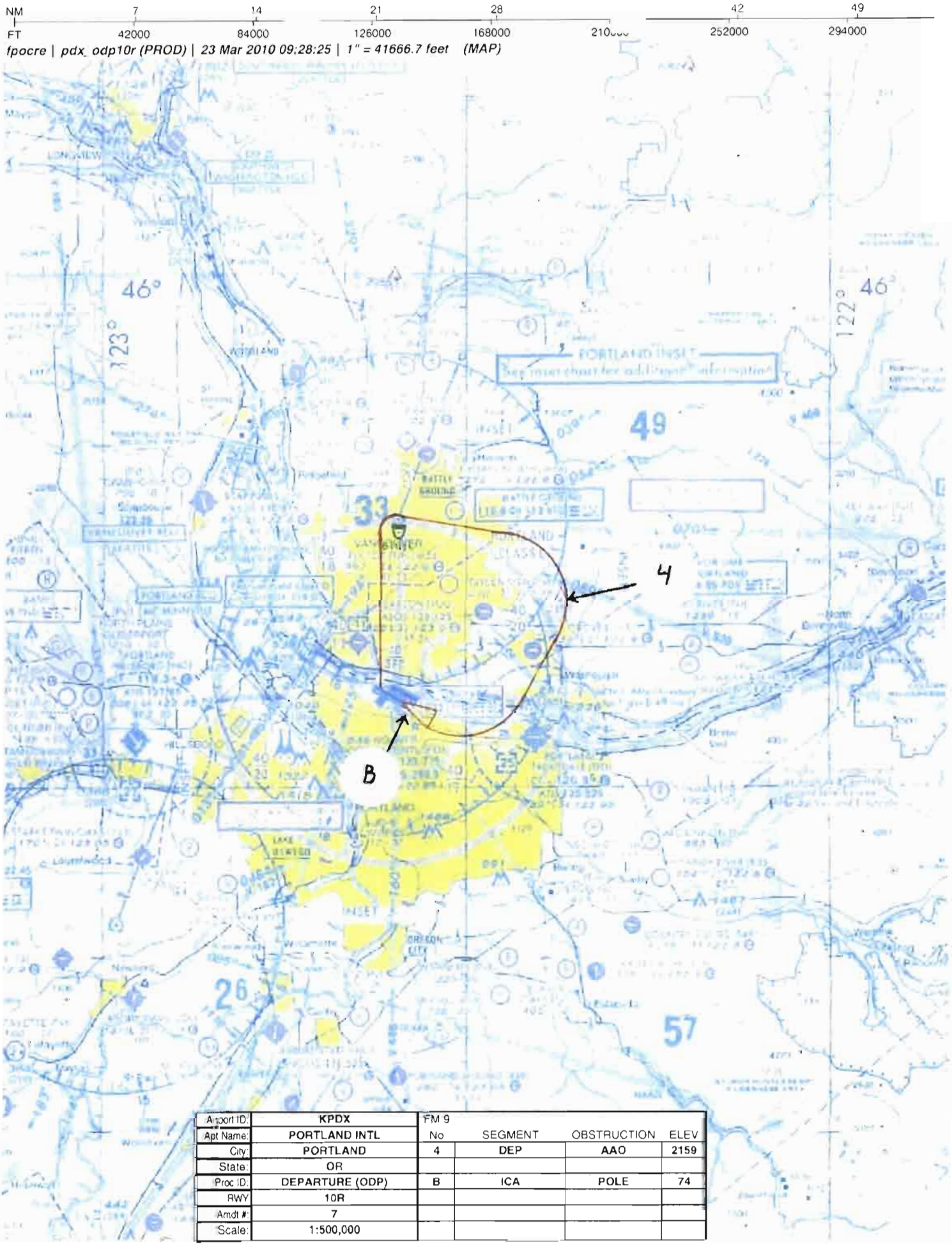
NM 7 14 21 28 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpocre | pdx_odp10l (PROD) | 22 Mar 2010 14:08:01 | 1" = 41666.7 feet (MAP)



Airport ID:	KPDX	FM 9			
Apt Name:	PORTLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	PORTLAND	4	DEP	AAO	2159
State:	OR				
Proc ID:	DEPARTURE (ODP)	A	ICA	VEHICLES ON ROAD	78
RWY	10L				
Amdt #:	7				
Scale:	1:500,000				



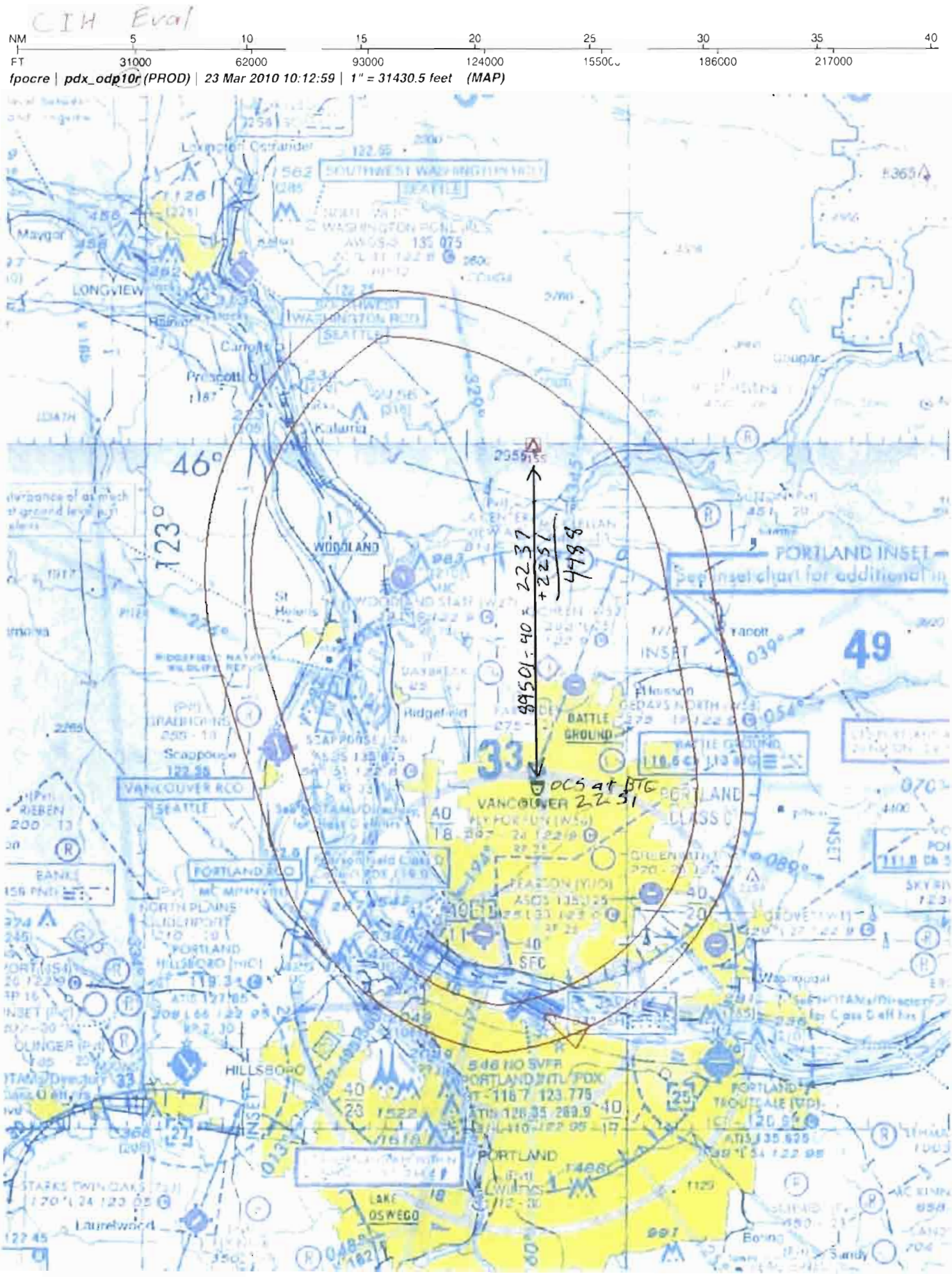
Airport ID:	KPDX	FM 9			
Apt Name:	PORTLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	PORTLAND	4	DEP	AAO	2159
State:	OR				
Proc ID:	DEPARTURE (ODP)	B	ICA	POLE	74
RWY:	10R				
Amdt #:	7				
Scale:	1:500,000				

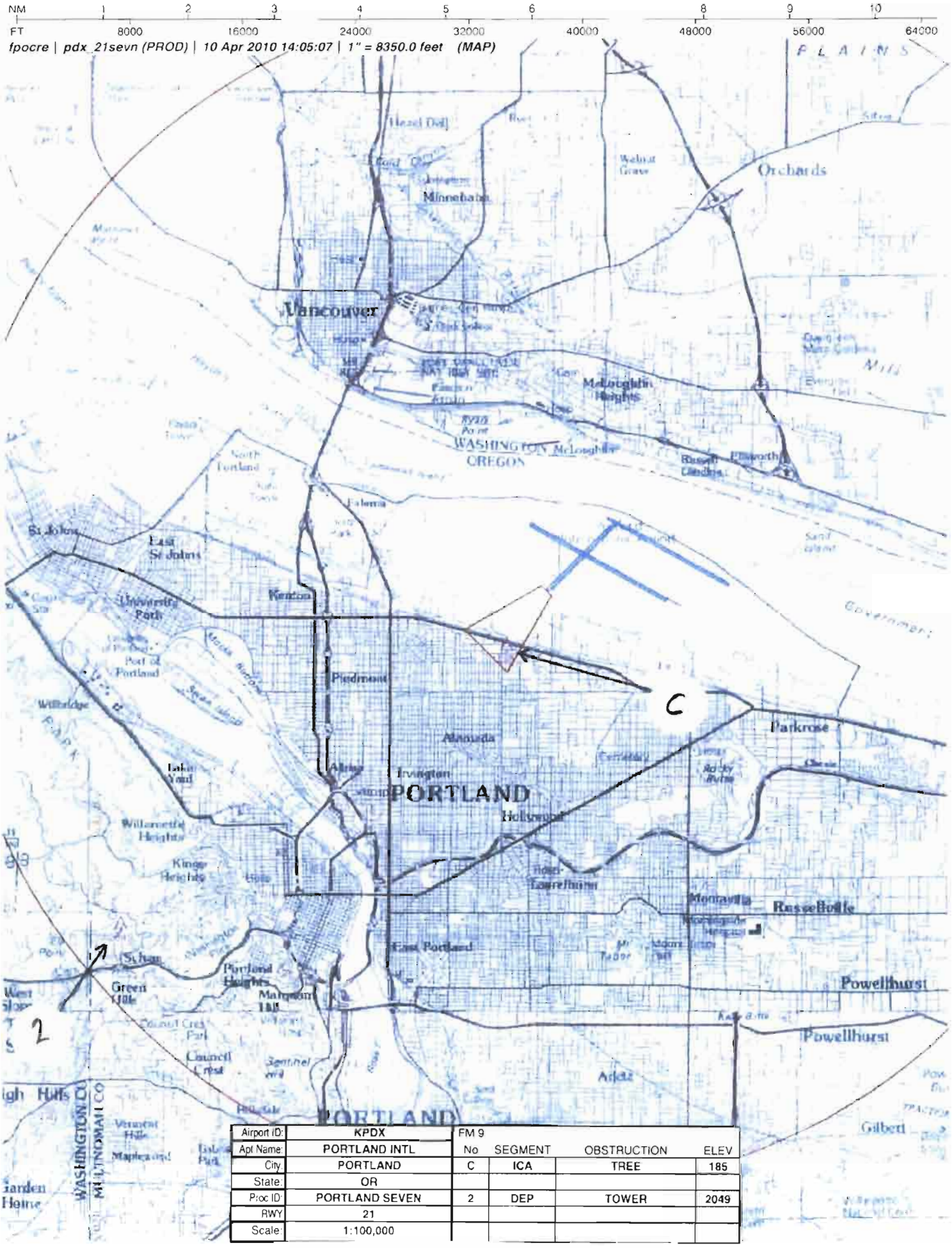
CIH Eval

NM 5 10 15 20 25 30 35 40

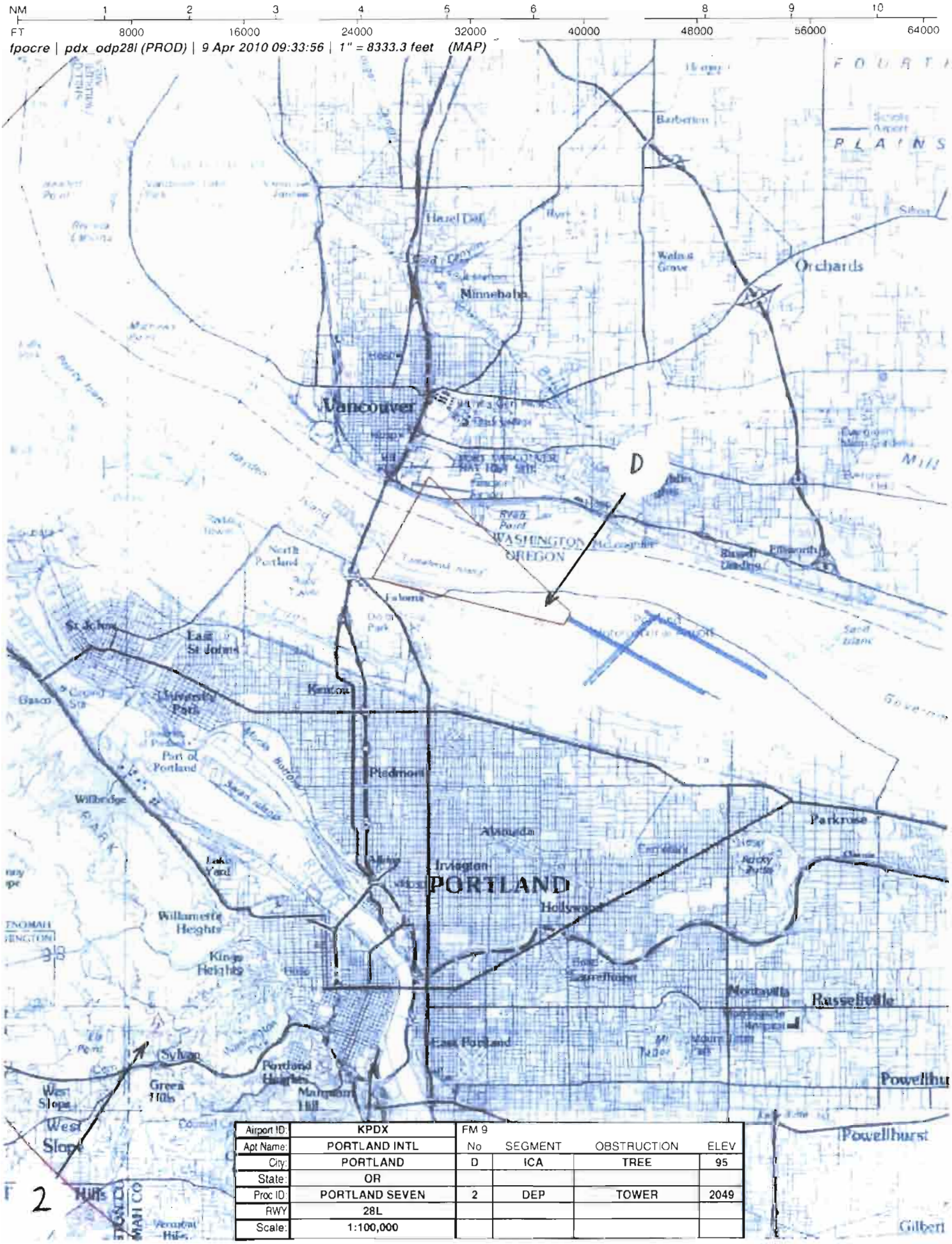
FT 31000 62000 93000 124000 155000 186000 217000

fpocre | pdx_odp10r (PROD) | 23 Mar 2010 10:12:59 | 1" = 31430.5 feet (MAP)

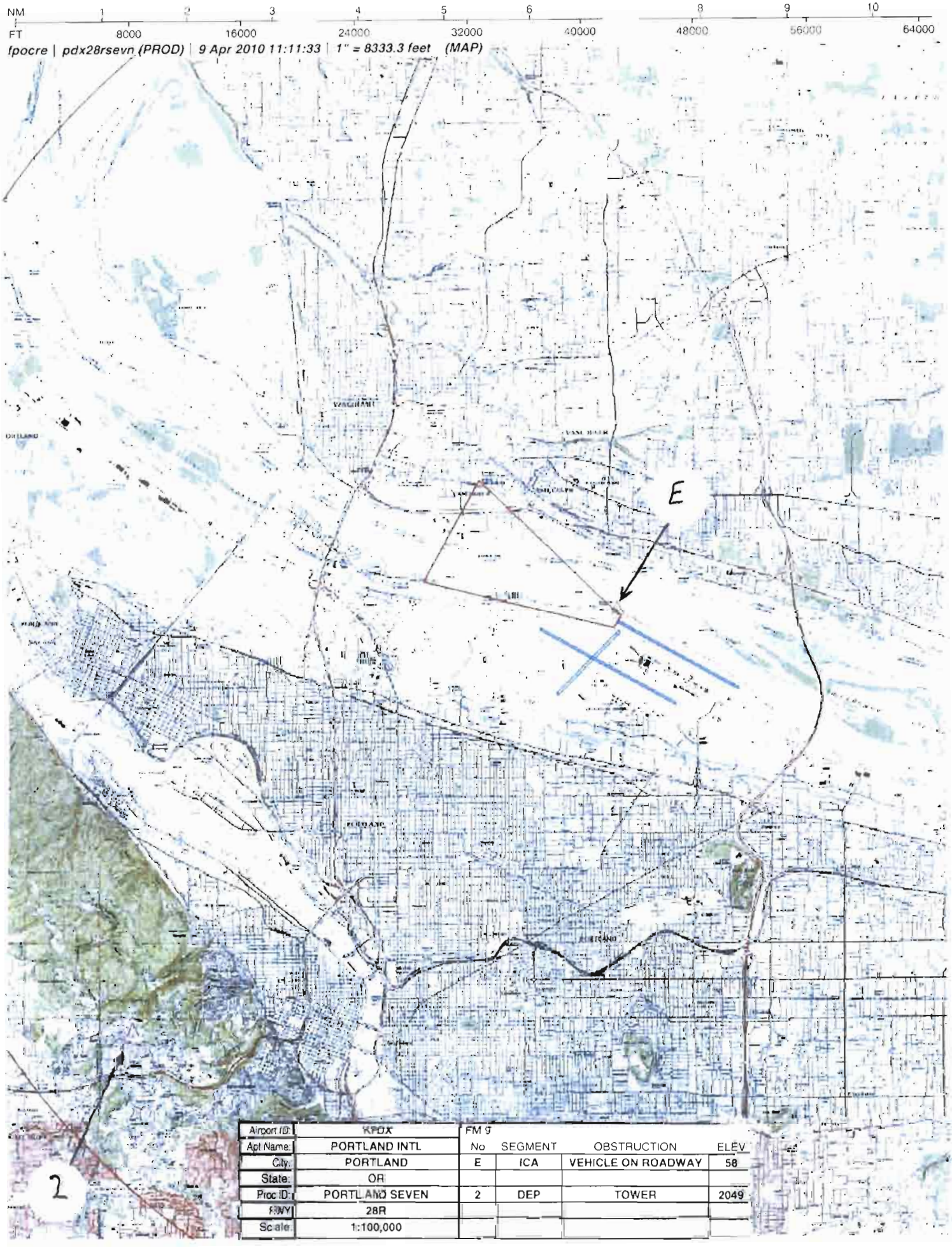




Airport ID:	KPDX	FM 9			
Apt Name:	PORTLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	PORTLAND	C	ICA	TREE	185
State:	OR				
Proc ID:	PORTLAND SEVEN	2	DEP	TOWER	2049
RWY:	21				
Scale:	1:100,000				



Airport ID:	KPDX	FM 9			
Apt Name:	PORTLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	PORTLAND	D	ICA	TREE	95
State:	OR				
Proc ID:	PORTLAND SEVEN	2	DEP	TOWER	2049
RWY	28L				
Scale:	1:100,000				



		FM 9			
Airport ID:	KPDX	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	PORTLAND INTL	E	ICA	VEHICLE ON ROADWAY	58
City:	PORTLAND				
State:	OR	2	DEP	TOWER	2049
Proc ID:	PORTLAND SEVEN				
RWY:	28R				
Scale:	1:100,000				

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
PORTLAND, OR	PORTLAND INTL		8

TAKEOFF MINIMUMS:

RWY 3, 500-3 OR STANDARD WITH MINIMUM CLIMB OF 355 FT PER NM TO 700.
RWY 10L, STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 2900.
RWY 10R, STANDARD WITH MINIMUM CLIMB OF 265 FT PER NM TO 2900.
RWY 21, STANDARD WITH MINIMUM CLIMB OF 290 FT PER NM TO 1800.
RWY 28L/R, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 3 - CLIMB HEADING 029.00 TO 700 THEN CLIMBING LEFT TURN DIRECT BTG VORTAC, THENCE...
RWY 10L - CLIMB HEADING 103.03 TO 500, THEN CLIMBING LEFT TURN DIRECT BTG VORTAC, THENCE...
RWY 10R - CLIMB HEADING 103.01 TO 500 THEN CLIMBING LEFT TURN DIRECT BTG VORTAC, THENCE...
RWY 21 - CLIMB HEADING 209.02 TO 500 THEN CLIMBING RIGHT TURN DIRECT BTG VORTAC, THENCE...
RWY 28L - CLIMB HEADING 283.03 TO 500 THEN CLIMBING RIGHT TURN DIRECT BTG VORTAC, THENCE...
RWY 28R - CLIMB HEADING 283.04 TO 500 THEN CLIMBING RIGHT TURN DIRECT BTG VORTAC, THENCE...

...CONTINUE CLIMB IN BTG VORTAC HOLDING PATTERN (HOLD NW, RT, 149.16 INBOUND) TO CROSS BTG VORTAC AT OR ABOVE MCA/MEA BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, SIGN 1 FT FROM DER, 133 FT LEFT OF CENTERLINE, 5 FT AGL/28 FT MSL. VEHICLE ON ROAD 1363 FT FROM DER, 795 FT LEFT OF CENTERLINE, 15 FT AGL/76 FT MSL. VEHICLE ON ROAD 1675 FT FROM DER, 5 FT RIGHT OF CENTERLINE, 15 FT AGL/76 FT MSL. MULTIPLE TREES, TOWERS BEGINNING 1.2 NM FROM DER, 278 FT LEFT OF CENTERLINE, UP T0 85 FT AGL/463 FT MSL. MULTIPLE TREES, BUILDING, ELECTRICAL SYSTEM AND POLE BEGINNING 1.3 NM FROM DER, 63 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/430 FT MSL. TREE 1.7 NM FROM DER, 8 FT RIGHT OF CENTERLINE, 85 FT AFL/413 FT MSL.
NOTE: RWY 10L, VEHICLES ON ROAD BEGINNING ABEAM DER, 376 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/78 FT MSL. TREES BEGINNING 1201 FT FROM DER, 753 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/95 FT MSL.
NOTE: RWY 10R, POLE 1996 FT FROM DER, 759 FT RIGHT OF CENTERLINE, 54 FT AGL/74 FT MSL.
NOTE: RWY 21, LIGHT ON DME 354 FT FROM DER, 255 FT LEFT OF CENTERLINE, 23 FT AGL/37 FT MSL. MULTIPLE TREES, POLES, TOWER BEGINNING 1327 FT FROM DER, 23 FT LEFT OF CENTERLINE, UP TO 93 FT AGL/328 MSL. MUTIPLE TREES, POLES BEGINNING 1098 FT FROM DER, 42 FT RIGHT OF CENTERLINE UP TO 75 FT AGL/329 FT MSL. TREES BEGINNING 2229 FT FROM DER, ON CENTERLINE, UP TO 75 FT AGL/190 FT MSL.
NOTE: RWY 28L, TREES 1873 FT FROM DER, 837 FT LEFT OF CENTERLINE, UP TO 75 FT AGL/95 FT MSL.
NOTE: RWY 28R, BUILDING, ANTENNAS, VEHICLES ON ROAD BEGINNING 130 FT FROM DER, 257 FT RIGHT OF CENTERLINE, UP TO 27 FT AGL/58 FT MSL.

CONTROLLING OBSTACLES:

RWY 3: 390 FT MSL TREE 453649.18N/1223459.37W, 463 FT MSL TREE 453734.32N/1223428.07W, 413 FT MSL TREE 453718.19N/1223329.06W. RWY 10L/R: 2159 FT MSL AAO 454044.43N/1222202.83W. RWY 21: 269 FT MSL TREE 453400.30N/1223754.67W, 1379 FT MSL AAO 453331.01N/1224641.51W. RWY 28R: 435 FT TREE 453723.82N/1223710.76W. OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 3, 10L/R, 21, 28L/R – 8565 FT MSL AAO 461127.80N/1221124.10W, 11439 FT MSL AAO 452228.70N/1214137.10W.

REMARKS:

VCOA NOT ESTABLISHED AT ATC REQUEST DUE TO HIGH TRAFFIC DENSITY AND AIRSPACE COMPLEXITY.

QUALITY 3 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
PORTLAND, OR	PORTLAND INTL		8

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY;

TRACEY STILES AJV-354 04/30/12

APPROVED BY:

DEZ SILAGYI MANAGER AJV-354

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZSE, PDX TRACON, AMGR

CHANGES:

1.INCREASED ALL HEADINGS 4 DEGREES.
2.RE-GROUPED/REWORDED TAKEOFF OBSTACLE NOTES FOR RUNWAYS 03 AND 21.

REASONS:

1. UPDATED MAGVAR-2010 MAGVAR CHANGES 20E TO 16E.
2. OBSTACLES CLOSER IN TO THE RUNWAYS LISTED SEPARATELY BASED ON REQUEST FROM FPT. THE PREVIOUS GROUPING OF OBSTACLES CREATED TAKEOFF RESTRICTIONS FOR SOME AIRLINERS DEPARTING THE AIRPORT.

QUALITY 3 CHECKED

Federal Aviation Administration

Memorandum

CONCURRENCES	
ROUTING SYMBOL	AJV-34 SBaker
INITIALS/SIG	
DATE	
ROUTING SYMBOL	AJV-354 Lead
INITIALS/SIG	
DATE	
ROUTING SYMBOL	AJV-354 DSilagyi
INITIALS/SIG	
DATE	
ROUTING SYMBOL	AJV-341 C Zuest
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	

Date:

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Dez Silagyi, Manager, Terminal Procedures & Charting Services, Western Team, AJV-354

Subject: **ACTION:** Magnetic Variation Change

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the "Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

HI-ILS OR LOC/DME RWY 28R AMDT 3
LOC/DME RWY 21 AMDT 9
ILS OR LOC RWY 10L AMDT 4
ILS OR LOC RWY 28L AMDT 3
ILS OR LOC RWY 28R AMDT 15
RNAV (GPS) Y RWY 10L AMDT 2
RNAV (GPS) Y RWY 10R AMDT 2
RNAV (GPS) X RWY 28L AMDT 2
RNAV (GPS) X RWY 28R AMDT 2
RNAV (RNP) Z RWY 28L AMDT 1
RNAV (RNP) Y RWY 28L AMDT 1
RNAV (RNP) Z RWY 28R AMDT 1
RNAV (RNP) Y RWY 28R AMDT 1
RNAV (RNP) Z RWY 10L ORIG
RNAV (RNP) Z RWY 10R ORIG
TAKE-OFF MINIMUMS AMDT 8
HRMNS (RNAV) THREE SID
LAVAA (RNAV) FIVE SID
MINNE (RNAV) FOUR SID
WHAMY (RNAV) THREE SID
CASCADE (RNAV) ONE SID
PORTLAND EIGHT SID
RIVER EIGHT SID

Estimated Chart Change Date: 09/20/2012

Please publish these changes in the National Flight Data Digest.

OREGON

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
PORTLAND	PORTLAND INTL	Airport	KPDX/PDX	Old 20 ° East New 16 ° East	2010
PORTLAND	PORTLAND INTL	LOC (CAT I)	I-GPO	Old 20 ° East New 16 ° East	2010
PORTLAND	PORTLAND INTL	ILS (CAT I)	I-VDG	Old 20 ° East New 16 ° East	2010
PORTLAND	PORTLAND INTL	ILS (CAT I)	I-IAP	Old 20 ° East New 16 ° East	2010
PORTLAND	PORTLAND INTL	ILS (CAT I)	I-JMJ	Old 20 ° East New 16 ° East	2010

If you have any questions please notify Dez Silagyi (405-954-9977).

CC SEA-FPT, AJV-3rf
AJV-354:DSilagyi:sjb:x7537:4/17/2012: (U:\AVN100\100Public\MAGVAR\MAGVAR Letters 2012\MV Change Request for Portland, OR (KPDX).doc)