

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
WATFORD CITY MUNI	S25	WATFORD CITY	ND	2	10/07/2021

TAKEOFF MINIMUMS:

RWY 12: STANDARD.
RWY 30: 300-1 5/8 OR STANDARD WITH A MINIMUM CLIMB OF 330 FT PER NM TO 2500.

TEXTUAL DEPARTURE PROCEDURES:

RWY 30: CLIMB ON HEADING 295.74 TO 2600 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 12: TERRAIN BEGINNING 2 FT FROM DER, 116 FT RIGHT OF CENTERLINE, UP TO 2147 FT MSL.

TERRAIN BEGINNING 9 FT FROM DER, 106 FT LEFT OF CENTERLINE, UP TO 2144 FT MSL.

TERRAIN 15 FT FROM DER, 444 FT LEFT OF CENTERLINE, 2176 FT MSL.

TERRAIN BEGINNING 115 FT FROM DER, 184 FT LEFT OF CENTERLINE, UP TO 2187 FT MSL.

TERRAIN 518 FT FROM DER, 546 FT RIGHT OF CENTERLINE, 2148 FT MSL.

VEHICLES ON ROAD AND TERRAIN BEGINNING 686 FT FROM DER, 482 FT RIGHT OF CENTERLINE, UP TO 2170 FT MSL.

TERRAIN BEGINNING 1395 FT FROM DER, 759 FT RIGHT OF CENTERLINE, UP TO 2180 FT MSL.

TERRAIN 1507 FT FROM DER, 865 FT RIGHT OF CENTERLINE, 2182 FT MSL.

TERRAIN 1656 FT FROM DER, 871 FT RIGHT OF CENTERLINE, 2186 FT MSL.

FENCE AND TERRAIN BEGINNING 1730 FT FROM DER, 845 FT RIGHT OF CENTERLINE, UP TO 5 FT AGL/2197 FT MSL.

NOTE: RWY 30: FENCE 190 FT FROM DER, 17 FT LEFT OF CENTERLINE, 11 FT AGL/2069 FT MSL.

POLE 191 FT FROM DER, 442 FT LEFT OF CENTERLINE, 15 FT AGL/2078 FT MSL.

FENCE 206 FT FROM DER, 6 FT RIGHT OF CENTERLINE, 11 FT AGL/2070 FT MSL.

POLES, VEHICLES ON ROAD AND TREE BEGINNING 238 FT FROM DER, 48 FT LEFT OF CENTERLINE, UP TO 16 FT AGL/2080 FT MSL.

TREE 326 FT FROM DER, 1 FT RIGHT OF CENTERLINE, 2077 FT MSL.

VEHICLES ON ROAD AND POLES BEGINNING 437 FT FROM DER, 31 FT RIGHT OF CENTERLINE, UP TO 2078 FT MSL.

TREES BEGINNING 438 FT FROM DER, 406 FT LEFT OF CENTERLINE, UP TO 2121 FT MSL.

TREES, ANTENNA, POLES, BUILDINGS AND SIGN BEGINNING 631 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 2122 FT MSL.

TREES, BUILDING, TERRAIN AND POLE BEGINNING 685 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 2123 FT MSL.

TREES BEGINNING 1336 FT FROM DER, 213 FT RIGHT OF CENTERLINE, UP TO 2124 FT MSL.

TREE 3166 FT FROM DER, 68 FT RIGHT OF CENTERLINE, 2148 FT MSL.

TREES 1 NM FROM DER, 2112 FT LEFT OF CENTERLINE, UP TO 2245 FT MSL.

TREES BEGINNING 1.1 NM FROM DER, 1323 FT LEFT OF CENTERLINE, UP TO 2252 FT MSL.

POLE, TOWERS AND TREE BEGINNING 1.2 NM FROM DER, 1802 FT LEFT OF CENTERLINE, UP TO 139 FT AGL/2379 FT MSL.

TANK 1.3 NM FROM DER, 1997 FT LEFT OF CENTERLINE, 132 FT AGL/2356 FT MSL.

CONTROLLING OBSTACLES:

RWY 30: 2379 FT MSL TOWER 474815.80N/1031729.07W (CLIMB GRADIENT, CLIMB GRADIENT TERMINATION ALTITUDE, CEILING), 2356 FT MSL
TANK 474818.14N/1031731.93W (VISIBILITY).

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 30: 2862 FT MSL TOWER 474618.98N/1032203.48W.

REMARKS:

FLIGHT INSPECTED BY

ANTHONY D VALLERA

Digitally signed by

DONALD H LANIER

May 03, 2021

OFFICE

FICO

DATE

07/08/2021

DEVELOPED BY

DONALD LANIER
(RICHARD CHRISTENSEN)

Digitally signed by

DONALD H LANIER

May 03, 2021

OFFICE

AJV-A431

DATE

04/14/2021

QUALITY
24
CHECKED

AIRPORT	AIRPORT ID	CITY	STATE	AMDT NO	EFFECTIVE DATE
WATFORD CITY MUNI	S25	WATFORD CITY	ND	2	

APPROVED BY	OFFICE	DATE	TITLE
Digitally signed by LONNIE EVERHART May 03, 2021	AJV-A430		MANAGER

REQUIRED EFFECTIVE DATE:

10/07/2021

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZLC, AMGR

CHANGES - REASONS:

1. REMOVED RWY 18, 36: NA - ENVIRONMENTAL FROM TAKE MINIMUMS - RWY 18/36 PERMANENTLY CLOSED, AIRNAV UPDATED.
2. CHANGED TAKEOFF MINIMUMS FROM RWY 12 400-1 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 462 FEET PER NM TO 2600 TO STANDARD, AND RWY 30 FROM "STANDARD" TO "RWY 30: 300-1 5/8 OR STANDARD WITH A MINIMUM CLIMB OF 330 FT PER NM TO 2500" - NEW OBSTACLE EVALUATION FOR RWY CONSTRUCTION.
3. ADDED TEXTUAL DEPARTURE PROCEDURE FOR RWY 30 "CLIMB ON HEADING 295.74 TO 2600 BEFORE TURNING LEFT" - NEW OBSTACLE EVALUATION WITH 2862 FT MSL TOWER (38-021056) 474618.98N/1032203.48W MANDATING ODP DEVELOPMENT.
4. ADDED TAKEOFF OBSTACLE NOTES (ALL RWYS) - NEW OBSTACLE EVALUATION.
5. REMOVED CONTROLLING OBSTACLES FOR RWY 12 AND ADDED CONTROLLING OBSTACLES AND OBSTACLE MANDATING ODP ROUTE DEVELOPMENT FOR RWY 30 - NEW OBSTACLE EVALUATION.
5. ADDED REQUIRED EFFECTIVE DATE OF OCT 7, 2021 FOR HARD DATE - RWY CONSTRUCTION AT KS25 PER FPT.

