U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

CERTIFICATE OF WAIVER AND AUTHORIZATION

ISSUED TO

Firefly Drone Shows
Responsible Person: Kevin Bisel
Waiver Number: 107W-2026-02873

ADDRESS –

1900 Opdyke Ct.
Auburn Hills, MI 48326

This certificate is issued for the operations specifically described hereinafter. No person shall conduct any operation pursuant to the authority of this certificate except in accordance with the provisions contained in this certificate.

OPERATIONS AUTHORIZED

sUAS operations higher than 400 feet above ground level, when not within a 400 foot radius of a structure and §107.41 Operations in Certain Airspace (May conduct operations under this Waiver at or below UAS Facility Maps (UASFM) for any airspace below published UASFM altitudes)

LIST OF WAIVED REGULATIONS BY SECTION AND TITLE

14 CFR § 107.51(b) - Operating limitations for small unmanned aircraft - Altitude

STANDARD PROVISIONS

1. A copy of the application made for this certificate shall be attached to and become a part hereof.
2. This certificate shall be presented for inspection upon the request of any authorized representative of the Administrator of the Federal Aviation Administration, or of any State or municipal official charged with the duty of enforcing local laws or regulations.
3. The holder of this certificate shall be responsible for the strict observance of the terms and provisions contained herein.
4. This certificate is nontransferable.

NOTE—This certificate constitutes a waiver of those Federal rules or regulations specifically referred to above. It does not constitute a waiver of any State law or local ordinance.

SPECIAL PROVISIONS

Special Provisions Nos. 1 to 13, inclusive, are set forth on the attached pages.

This Certificate of Waiver is effective from December 03, 2026, to December 12, 2026, and is subject to cancellation at any time upon notice by the Administrator or an authorized representative.

BY DIRECTION OF THE ADMINISTRATOR

CHRISTOPHER M DOHERTY

Digitally signed by CHRISTOPHER M DOHERTY
Date: 2026.11.03 15:43:27 -06'00'

Emerging Technologies Division AFS-700

SPECIAL PROVISIONS ISSUED TO
Firefly Drone Shows

General.
The FAA's Flight Standards Service has reviewed your application to ensure compliance with the requirements of 14 CFR § 107.200 and § 107.205. Pursuant to these authorities, the Administrator finds that the proposed small unmanned aircraft (sUA) operation can be conducted safely under the provisions of this Certificate of Waiver (Waiver) as listed below because you have established adequate mitigations for risks involved with operating your sUA in the manner you described. Adherence to the provisions of this Waiver establishes the required level of safety within the national airspace system.

The Administrator may cancel this Waiver at any time. As a general rule, this Waiver may be canceled when it is no longer required, there is an abuse of its provisions, or when unforeseen safety factors develop. Failure to comply with any provision listed below is a violation of the terms of this Waiver and will serve as justification for cancellation.

List of Regulations Waived by Section and Title. The following regulations are waived:

- 14 CFR § 107.51(b), Operating limitations for small unmanned aircraft - Altitude, is waived to allow sUAS operations higher than 400 feet above ground level (AGL), **not to exceed 600 feet AGL**

Common Special Provisions. The Responsible Person is directly responsible for safety of operations conducted under this Waiver and will ensure the Remote Pilot in Command (remote PIC), manipulator of the controls, and visual observer(s) (VO)[1] comply with all provisions of this Waiver.

1. The Responsible Person listed on the Waiver is responsible to the FAA for the safe conduct of the operations. Prior to conducting operations that are the subject of this Waiver, the Responsible Person:
    a. Must ensure the remote PIC, manipulators of the controls, and VO(s) are informed of the terms and provisions of this Waiver and strictly observe the terms and provisions herein;
    b. Must ensure the remote PIC, manipulators of the controls, and VO(s) are informed and familiar with part 107 regulations; and
    c. Evidence of the above (a and b) must be documented and must be presented for inspection upon request from the Administrator or an authorized representative;

2. **This Waiver may ONLY be used in combination with DLS Operations Waiver: 107W-2025-02052 exp AUG 31, 2029.** This Waiver may not be combined with any other waiver(s), authorization(s), or exemption(s) without specific authorization from the FAA;

3. The FAA has the authority to cancel or delay any or all flight operations if the safety of persons or property on the ground or in the air are in jeopardy or there is a violation of the terms of this Waiver;

4. A copy of this Waiver must be accessible and available to the remote PIC at the ground control station during sUA operations that are the subject of this Waiver;

5. The Responsible Person listed on this Waiver must maintain a current list of pilots by name and remote pilot certificate number used in operations under this Waiver. This list must be presented for inspection upon request from the Administrator or an authorized representative;

6. The Responsible Person listed on this Waiver must maintain a current list of sUA by registration number(s) used in operations under this Waiver. This list must be presented for inspection upon request from the Administrator or an authorized representative;

7. For the purposes of this Waiver, direct participants are the remote PICs, persons manipulating the controls, VOs, and any persons whose involvement is necessary for safety of the sUA operation. All other persons are considered non-participants;

8. If a discrepancy exists between the provisions in this Waiver and the waiver application, the Waiver takes precedence and must be followed;

Waiver Specific Special Provisions

9. NOTAM: The Responsible Person must file a Notice to Airmen (NOTAM) no more than 72 hours and no less than 24 hours prior to operating under this waiver. A NOTAM can be filed by calling 1-877-487-6867 (1-877-4-US-NTMS). The Responsible Person must verify the NOTAM has been issued prior to conducting waivered operations;

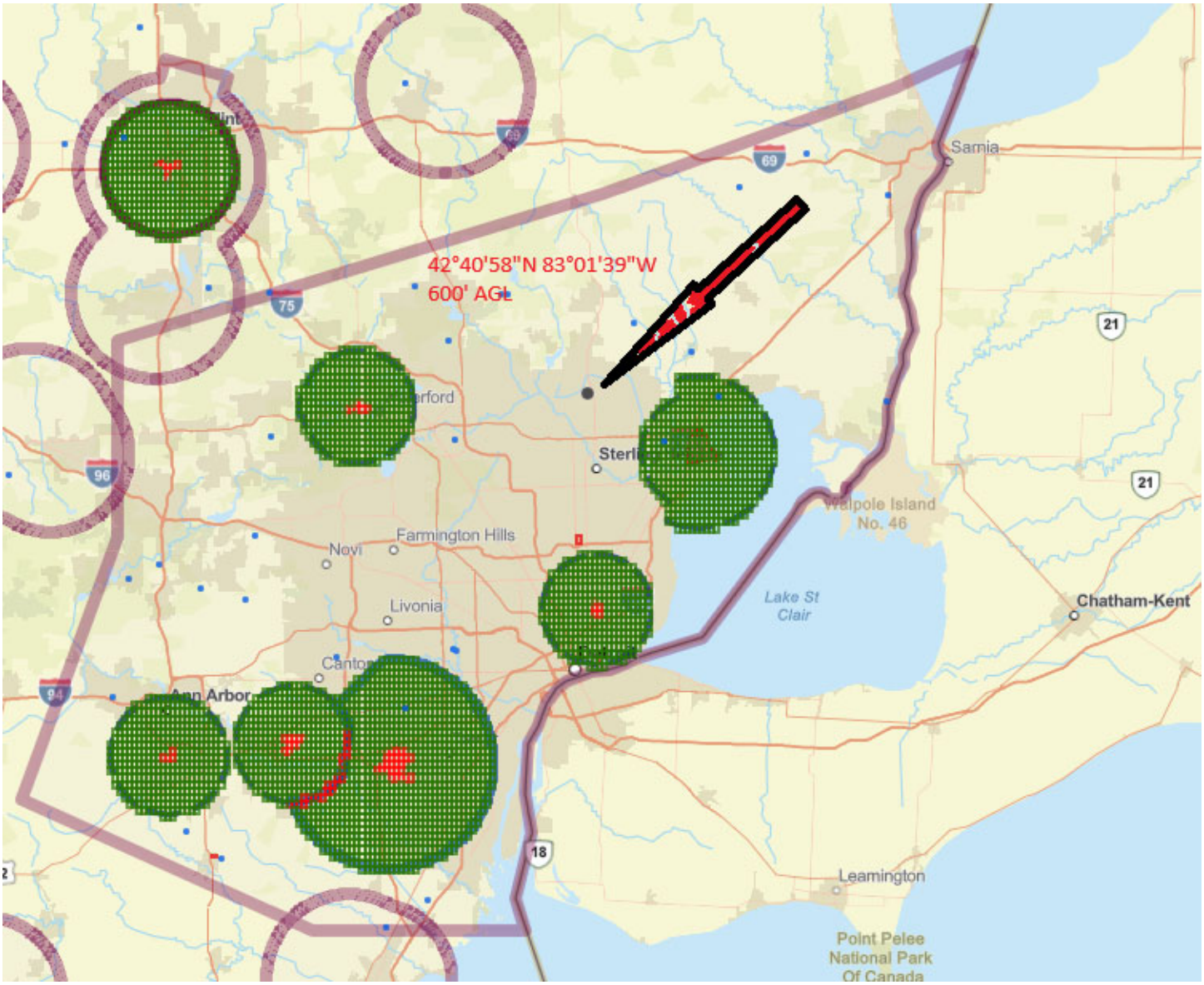
10. All Drone Light Show (DLS) operations conducted under this Waiver must:
    a. use one or more VO,
    b. use the lighting system and procedures in a manner sufficient to alert approaching aircraft, and
    c. prior to sUA operations ensure that the flight controller for each aircraft, geo-fence systems and the associated DLS flight management system operate as described in the associated **DLS Operations Waiver: 107W-2025-02052 exp AUG 31, 2029**;

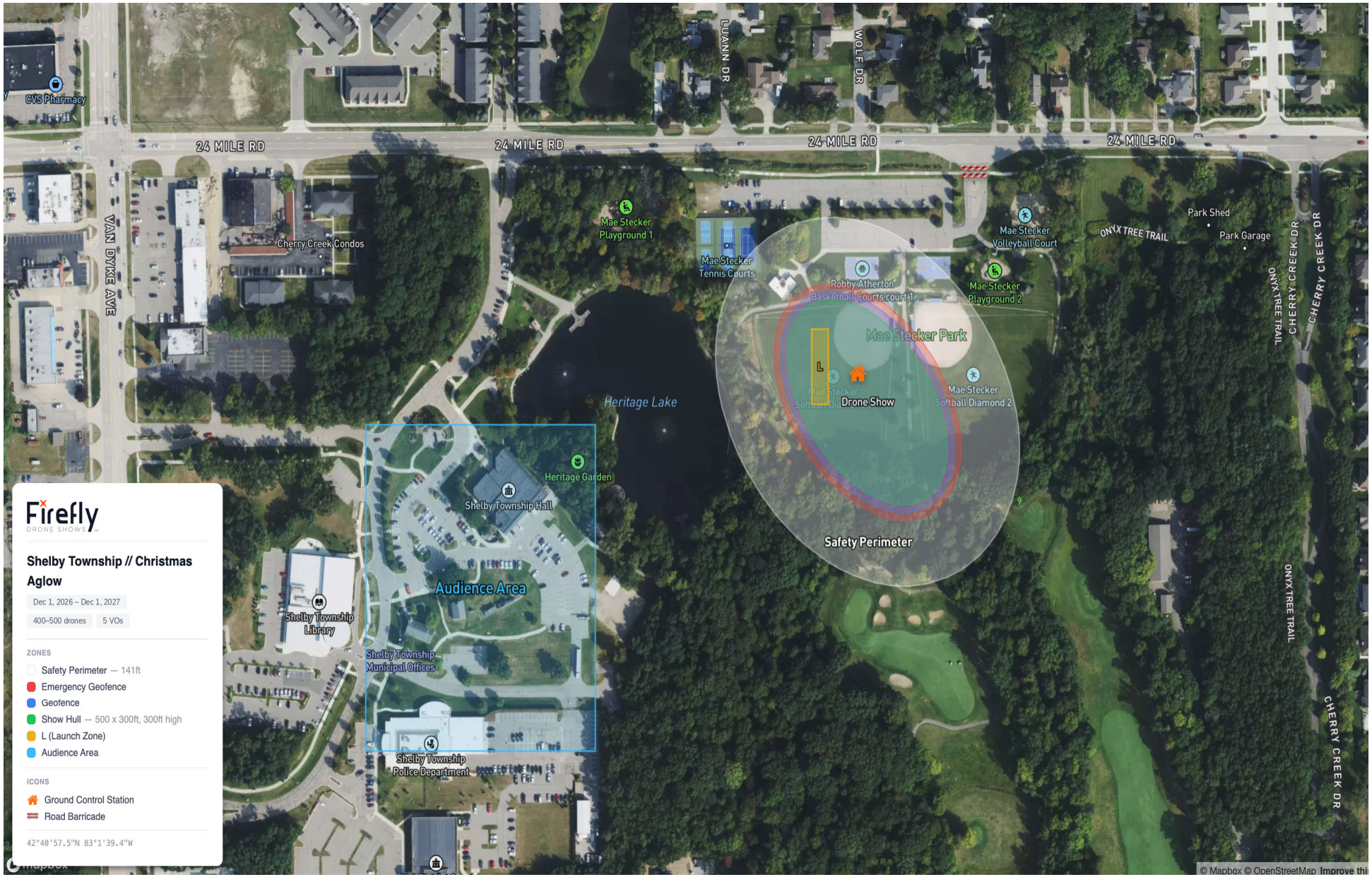
11. ADS-B out (1090/978 MHz) may not be transmitted from the sUAS when operating pursuant to this Waiver. An ADS-b in receiver must be on site and under observation during all operations conducted under this Waiver;

12. All emitters used in sUAS must be compliant with all applicable FCC regulations provisions of the FCC authorization granted for the emitter. A FCC Experimental authorization may not be used for sUAS operations under this Waiver;

13. Environment:
    a. Operations conducted under this Waiver are limited to the location(s) as described in waiver application; and
    b. The Responsible Person must ensure that the area of operation is sterile as described in the waiver application;

FAA UAS Facility Map: DETROIT CLASS G/E5 700' Floor
OPERATION CENTER 42°40'58"N 83°01'39"W 1/4 NM radius
NEAREST AIRPORT 6.9 NM west-southwest of 57D (Ray Community Airport, Ray Township, MI)
NEAREST ADDRESS 8600 24 Mile Rd, Shelby Township, MI 48316
Maximum Altitude 600' AGL




CVS Pharmacy
24 MILE RD
24 MILE RD
24 MILE RD
24 MILE RD
LUANN DR
WOLF DR
VAN DYKE AVE
Cherry Creek Condos
Mae Stecker Playground 1
Mae Stecker Tennis Courts
Mae Stecker Volleyball Court
Robby Atherton Basketball Courts court 1
Mae Stecker Playground 2
ONYX TREE TRAIL
Park Shed
Park Garage
CHERRY CREEK DR
Mae Stecker Park
Heritage Lake
Drone Show
Mae Stecker Softball Diamond 2
Safety Perimeter
Heritage Garden
Shelby Township Hall
Audience Area
Shelby Township Library
Shelby Township Municipal Offices
Shelby Township Police Department
Firefly
DRONE SHOWS
Shelby Township // Christmas Aglow
Dec 1, 2026 – Dec 1, 2027
400–500 drones
5 VOs
ZONES
Safety Perimeter — 141ft
Emergency Geofence
Geofence
Show Hull — 500 x 300ft, 300ft high
L (Launch Zone)
Audience Area
ICONS
Ground Control Station
Road Barricade
42°40'57.5"N 83°1'39.4"W
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