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Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2020-AEA-1877-OE

Issued Date: 06/04/2020

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Town of Farmington
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**** PUBLIC NOTICE ****

The Federal Aviation Administration is conducting an aeronautical study concerning the following:

Structure:	Water Tank Brickyard Road Water Storage Tank
Location:	Canandaigua, NY
Latitude:	42-55-39.65N NAD 83
Longitude:	77-19-38.85W
Heights:	804 feet site elevation (SE) 193 feet above ground level (AGL) 997 feet above mean sea level (AMSL)

The structure above exceeds obstruction standards. To determine its effect upon the safe and efficient use of navigable airspace by aircraft and on the operation of air navigation facilities, the FAA is conducting an aeronautical study under the provisions of 49 U.S.C., Section 44718 and, if applicable, Title 14 of the Code of Federal Regulations, part 77.

**** SEE REVERSE SIDE FOR ADDITIONAL INFORMATION ****

In the study, consideration will be given to all facts relevant to the effect of the structure on existing and planned airspace use, air navigation facilities, airports, aircraft operations, procedures and minimum flight altitudes, and the air traffic control system.

Interested persons are invited to participate in the aeronautical study by submitting comments to the above FAA address or through the electronic notification system. To be eligible for consideration, comments must be relevant to the effect the structure would have on aviation, must provide sufficient detail to permit a clear understanding, must contain the aeronautical study number printed in the upper right hand corner of this notice, and must be received on or before 07/11/2020.

This notice may be reproduced and circulated by any interested person. Airport managers are encouraged to post this notice.

If we can be of further assistance, please contact our office at (202) 267-4525, or david.maddox@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-AEA-1877-OE.

Signature Control No: 430917323-441946778

(CIR)

David Maddox

Specialist

Attachment(s)

Part 77

Additional Information

Case Description

Map(s)

Additional Information for ASN 2020-AEA-1877-OE

Proposal: To construct and/or operate a(n) Water Tank to a height of 193 feet above ground level, 997 feet above mean sea level.

Location: The structure will be located 1.13 nautical miles north of IUA Airport reference point.

Part 77 Obstruction Standard(s) Exceeded:

Preliminary FAA study indicates that the above mentioned structure would:

have no effect on any existing or proposed arrival, departure, or en route instrument flight rules (IFR) operations or procedures.

have no physical or electromagnetic effect on the operation of air navigation and communications facilities.

have no effect on any airspace and routes used by the military.

Additional information for ASN 2020-AEA-1877-OE

The proposed replacement water storage tank (not previously studied by the FAA), not exceeding a height of 193 feet (ft.) above ground level (AGL), 997 ft. above mean sea level (AMSL), is located approximately 1.13 nautical miles (NM) north of the Canandaigua Airport (IUA) airport reference point (ARP), Canandaigua, NY. The proposal has been identified as an obstruction under the standards of Title 14, Code of Federal Regulations (CFR), Part 77, as applied to IUA as follows:

Section 77.19 (a): A Horizontal plane 150 ft. above the established airport elevation, the perimeter of which is constructed by swinging arcs of a specified radii from the center of each end of the primary surface of each runway of each airport and connecting the adjacent arcs by lines tangent to those arcs. The proposal exceeds the Horizontal Surface by 34 ft.

The proposal exceeds the traffic pattern airspace (TPA) Conical Surface by 6 ft., as applied to visual approach runways at IUA.

The sponsor advised that the proposed taller water storage tank replaces the existing on-site water tank that is hydraulically "locked out" of the potable water distribution system. The existing tank does not function properly due to the pressure in the system and the height of the tank. The site is currently already owned by the Town, has an existing tank on-site, and is at an ideal elevation for the new tank installation. The proposed tank is also being required by the NYS Department of Health to alleviate a public health hazard associated with periods of extremely low pressure that could allow cross connection issues and the potential for potable water contamination. In addition, the health hazard is compounded by the potential for stagnant water from the "locked out" existing tank to enter the water distribution system and also contribute to the potential for a contaminated water supply.

Case Description for ASN 2020-AEA-1877-OE

Construct an elevated 2,000,000 gallon water storage tank. The existing 185 foot tall storage tank will be demolished.

