

Technical Standards for Masons Island Fire District Roadway Restoration & Maintenance and Protection of Traffic

(Adapted from the Town of Stonington Technical Standards for Land Development & Road Construction, Chapter 9)

1 PURPOSE.

This Section establishes a uniform standard for restoration of Masons Island Property Owners Association (MIPOA) roadways, which are managed by Masons Island Fire District (MIFD), associated with utility installation and for maintenance and protection of traffic during construction. When situations arise that may not have been specifically addressed herein, they shall be evaluated and approved on a case by case basis by the Masons Island Fire District Roads Manager (MIFD Roads Manager).

2 PERMITS.

No person, firm, partnership, corporation, association or other entity shall conduct work or make improvements of any kind within a MIFD-managed right-of-way or public land, including but not limited to clearing, excavating, grading, paving or installation of any utility lines until an Excavation Permit has been obtained from the MIFD Roads Manager or his/her authorized representative at least 72 hours prior to the commencement of any work.

2.1 An Excavation Permit is required for but not limited to the following:

- .1 Any work performed in the MIFD-managed right-of-way.
- .2 New or modified driveway construction: a separate permit is required covering a 10 ft. driveway apron abutting MIFD-managed roads.
- .3 Underground utility work in the MIFD-managed right-of-way (electrical, sewer, water, gas, drainage, etc.)
- .4 Planting or installing anything within the MIFD-managed right-of-way.
- .5 Any other activity deemed by the MIFD Roads Manager or authorized representative which will affect the MIFD-managed right-of-way.

3 MATERIALS.

3.1 Surface.

Bituminous concrete surface course shall conform to Article M.04 of Standard Specifications, CT DOT Form 816 (See <http://www.ct.gov/dot/cwp/view.asp?a=3609&q=430362>) for surface course, and binder course, Class 1 & 2.

3.2 Base.

Gravel base shall conform to requirements of Sub-article M.05.01-1, M.05.01-2, M.05.01-3 of CT DOT Form 816.

4 CONSTRUCTION METHODS.

4.1 Excavation.

.1 The contractor shall at all times take all proper precautions to safeguard any and all underground utility lines or appurtenances encountered in the excavation and shall properly maintain such installations so as to provide uninterrupted service of the same. It is the contractor's responsibility to ensure that all excavations are braced and sheeted as required to conform to applicable State and federal safety regulations.

.2 All excess material removed from a MIFD-managed right-of-way or public land shall remain the property of MIFD and, at the option of the MIFD Roads Manager, shall be removed and disposed of at a location within a MIFD-managed right-of-way or public land that he/she designates. If the MIFD Roads Manager determines that any such excess material is not needed by MIFD, the applicant shall be responsible for disposing of the excess material in a lawful manner.

4.2 Restoring Excavations.

All excavations shall be backfilled with bank-run gravel approved by the MIFD Roads Manager. Material excavated during the course of construction may be used for backfill only with permission of the MIFD Roads Manager or his/her authorized representative. No muck, peat, clay, frozen earth, topsoil, stones over 6" in any dimension or other deleterious material shall be placed in the excavation. All backfilling must be done in properly compacted layers not exceeding twelve (12) inches in depth after compaction.

4.3 Restoration of Paved Surfaces.

.1 All pavement restorations shall strictly conform to the latest MIFD Excavation Permit requirements. See Standard detail Drawing SK-1 for additional information (All drawings refer

to drawings of the same designation in the Town of Stonington Technical Standards for Land Development & Road Construction, Chapter 12, Standard Details. See http://www.stonington-ct.gov/sites/stoningtonct/files/file/file/technical_standards_document_final_3.21.11.pdf).

.2 Paved surfaces compromised by utility installations that run perpendicular to the traveled way and do not exceed 50% of the pavement width shall be restored in strict accordance with Standard Detail Drawings U-1 & U-2.

.3 Paved surfaces compromised by utility installations that run perpendicular to the traveled way and exceed 50% of the pavement width shall be restored in strict accordance with Standard Detail Drawings U-3 & U-4.

.4 Paved surfaces compromised by utility installations that run parallel with the traveled way shall be restored in strict accordance with Standard Detail Drawings U-5 & U-6.

.5 Paved surfaces compromised by multiple utility installations that run perpendicular to the traveled way and are spaced less than 100 feet apart shall be restored in strict accordance with Standard Detail Drawings D-5, U-7 or U-8.

.6 If the proposed work includes excavation of a roadway that has been resurfaced within the past five (5) years, regardless if the new utility runs parallel or perpendicular to the traveled way, then the method of roadway restoration shall be in strict accordance with Standard Details U-3 & U-5.

4.4 Inspection.

All construction work covered by an Excavation Permit shall be subject to the inspection and approval of the MIFD Roads Manager or his authorized representative. It is the responsibility of the applicant to notify the MIFD Roads Manager at least 72 hours prior to conducting any work. Any work that is not found to be in conformance with the requirements of this permit shall be reconstructed as required to conform.

4.5 Disturbance of Monuments.

Excavations shall be conducted such that no disturbance of road right-of-way monumentation occurs. In the event of accidental disturbance of a monument, the owner/contractor shall be responsible for retaining and paying for the services of a land surveyor licensed by the State of Connecticut to reset the monument and to provide a Letter of Certification to the MIFD Roads Manager.

5 MAINTENANCE AND PROTECTION OF TRAFFIC.

5.1 The contractor shall at all times maintain pedestrian and vehicular traffic access to businesses, residences, and intersecting streets.

5.2 It is the responsibility of the Contractor to provide, erect, and maintain suitably lighted barricades, construction signs, warning lights, traffic controls, etc., as dictated by the latest edition of the Manual of Uniform Traffic Control Devices (see <https://mutcd.fhwa.dot.gov/>), and as directed by the MIFD Roads Manager to keep people and vehicles from excavations and obstacles. The Contractor may also be required to employ traffic persons and take other reasonable precautions as needed to prevent damage or injury to persons, vehicles, or other property, and to minimize the inconvenience and danger to the public. The Contractor shall contact the MIFD Roads Manager to inquire if police officers or certified flagmen are required to provide adequate traffic control. The Contractor shall also provide access at all times to fire hydrants, manholes, gate boxes, or other utilities. The Contractor shall occupy traveled ways to the smallest space compatible with efficient and safe performance of the contemplated work.

5.3 It is the responsibility of the Contractor to contact the MIFD Roads Manager and relevant public utilities to coordinate any work contemplated in the public street or highway. Should the Contractor neglect to set out and maintain barricades, signs and lights as required, the MIFD Roads Manager may without notice, furnish and install such items. The cost thereof shall be borne by the Contractor and may be deducted from any posted performance bond.

5.4 Excavations shall only be permitted on one half of the traveled portion of a street, so as to allow the safe passage of vehicular traffic on the remaining half. Under no circumstances shall an excavation or opening be made across the width of the entire street, or in such a manner as to prohibit the safe passage of vehicular traffic.

May 26, 2018