

Town of Boxborough
SPECIFICATIONS FOR REGULATING CONSTRUCTIONS WITHIN PUBLIC
WAYS

SECTION I General Requirements

A. Preface

1. Any public utility company, private contractor, builder, or any person(s) who intends to break any street or sidewalk surface, construct a driveway, or excavate any shoulder within the limits of a town way in the Town of Boxborough for any reason must first obtain a permit from the Department of Public Works.
2. This permit will be granted if the proposed work is in the best interest of the town and its inhabitants, is appurtenant to a building permit duly issued by the Inspector of Buildings, or is in conjunction with construction of a road shown on an approved subdivision plan. The permit is conditional upon the applicant permittees willingness to abide by these specifications.
3. Application forms for a permit hereunder are available from the Department of Public Works
4. The Department of Public Works director will be solely responsible for the interpretation of these specifications and all work hereunder must be done to his satisfaction.
5. Street cuts will not be allowed between November 1 and April 15 of each year.

B. Public Safety

1. The permittee, from the time the work commences until the work has been approved in writing by the Department of Public Works Director, shall care for the safety of the public.
2. All highways shall be passable at all times unless special permission has been granted by the Department of Public Works Director, the Police Department, and the Fire Department.
3. When required by the nature of the work, lights and barricades, erected at the expense of the permittee, shall be located as directed by the Police Department.
4. If the Police Chief deems it necessary for public safety, the permittee shall pay the expenses of a police officer. Massachusetts Law (Chapter 82, Section 40) requires that contractors notify public utility companies in writing at least forty-eight (48) hours before excavating in a public way.

SECTION II Excavation

A. General

1. All excavations and other work within the limits of a town way will be conducted in a manner which will not damage or disturb such features as

stone walls, trees, fences, guard rails, etc. Where walls, fences, guard rails etc. are disturbed, they shall be reconstructed to a condition equal or better than the condition before excavation. Reconstruction shall be done by the permittee at their expense. All excess material shall be removed.

2. If the work requires disturbing a road bound or a property bound, the property will be reset in its original location to the new grade of the shoulder or driveway and its new location certified in writing by a registered land surveyor.
3. The tree warden must be notified if the proposed work requires the removal of a tree, any part of which is in the public way.
4. A scenic road hearing may be required on a scenic road if stone walls and/or trees are to be removed or disturbed.
5. The cutting of road surfaces less than five (5) years old will not be allowed.

B. Materials

1. All materials used on construction within the public way shall be subject to approval by the Department of Public Works Director. This will include but not be limited to, the size, type and quality of pipe, the type of gravel backfill, the quality of the patching materials, etc. Cold patch as a patching material will not be allowed.

C. Driveways

1. Driveways onto town ways shall be constructed according to the Driveway Approach By-Law of the Town of Boxborough.
2. Driveways will not be allowed to entered directly onto an intersection rounding or within 50 feet of an intersection.
3. Driveway entrances should be located on the lot frontage at a location offering the maximum sight distance and safety.

D. Trenches

1. After excavation is commenced, the bituminous or concrete street or sidewalk surface shall be cut vertically in a line parallel to the center line of construction and approximately one (1) foot wider on all sides than the excavation, using an approved hand or power tool to allow for trench excavation without further disturbing the road or sidewalk surface on either side of the trench. Before consideration will be given to approving the trenches. The permittee will have to submit horizontal (1" -10' scale) and profile location of the proposed trenches, detailing the length, width, depth and scope of work to be done.
2. The backfill will consist of the excavated material if it is declared suitable by the Department of Public Works Director. Backfill will be placed in successive layers of not more than six inches of compacted depth. If, in

the opinion of the Department of Public Works Director, the excavated material is unsuitable, the entire rejected material shall be disposed of by the applicant in a location as directed by the Department of Public Works Director at no cost to the town. In its place the applicant shall bring in suitable fill material consisting of approved gravel or approved borrow, as directed. After thorough tamping around and beneath the utility, the six (6) inch layers of backfill will be thoroughly compacted as follows: If dry, it shall be moistened and then compacted by tamping with mechanical rammers, or by hand tampers having a tamping face not exceeding twenty-five (25) square inches in area. The final twelve (12) inches of fill will, in all cases, consist of crushed gravel thoroughly tamped and made even with the surrounding surface.

3. After backfill is in place and satisfactorily compacted, the applicant shall apply at once a one and one-half (1-1/2) inch temporary patch coat over the whole opened-up area (Bituminous Concrete, Type I-1 hot top) to be left in place for at least one month and no more than three months, until no further settling can reasonably be expected. After that time the applicant shall remove the temporary patch coat. The permittee shall apply two final patch coats of bituminous concrete pavement, Type I-1, over the entire trench area in conformity with Section 420,460 and 472 of the Standard Specifications for Highways, Bridges and Waterways of the Commonwealth of Massachusetts, Department of Public Works, latest revised edition, and in accordance with the following schedule: For oil treated roads, the permanent patch must be three (3) inches bituminous concrete (Type I-1), in layers of one and one-half (1-1/2) inches each. For Bituminous Concrete Surfaced Roads, the permanent patch must be four (4) inch bituminous concrete (Type I-1), laid in two courses, a two and one-half (2-1/2) inch binder course and a one and one-half (1-1/2) inch top course. If the existing pavement is of greater depth, the patch is to be of the same depth. At no time should bituminous concrete be laid in layers greater than two and one-half (2-1/2) inches. When the patch has been completed, the joints should be painted with an RS-I tack coat and sealed with sand.
4. NO more than 100 feet of trench shall be opened overnight and all trenches must be closed over weekends and holidays.
5. All driveways to homes and places of business shall be bridged and open to travel overnight.

E. Boring

1. Directional boring is the preferred method for installing telecommunications/electrical conduit under roads. The Town of Boxborough encourages contractors to use Directional Boring instead of roadway cuts and trenches. The use of directional boring to install the conduits is subject to the approval of the Department of Public Works Director. Before consideration will be given to approving the directional boring, permittee will have to submit horizontal (1"=10' scale) and profile

(1"=10' vertical scale) views of the location of the proposed boring, give location of the boring pits, detail the method of capturing sludge run-off from the boring, and describe how it will avoid damaging other underground utilities in the streets. The plans of the profile shall show all existing utilities that the bore will cross and those utilities located within fifteen (15') feet of either side of the bore. (Dimensions shall be provided, showing the depth of the bore, clearance from existing utilities, and the location and size of the boring pits.) Also, except for utilities more than five feet from the bore, permittee shall "pothole" and expose all underground utilities that its bore route will be crossing or paralleling. These plans will be distributed to all the affected utilities for review and comment. Upon completion of the review, the Department of Public Works Director will consider allowing the directional bore. (Borings within five feet of any clay tile duct banks and electrical transmission lines will not be allowed under any conditions.

F. Shoulders

1. All road shoulders will be carefully returned to their condition prior to the beginning of work.
2. Lawns will be rebuilt with a minimum of six (6) inches of loam, fertilized, rolled and seeded.

SECTION III PERFORMANCE BONDS

A. General

1. All permits issued hereunder shall require a certified check in the amount of \$500.00 (five hundred dollars) to be posted with the Town Treasurer as a guarantee to fulfill this agreement.
2. Street cuts over twenty-six (26') in length or significantly larger in scope than usual shall be bonded at \$3.00 (three dollars) per foot. Minimum bond shall be \$500.00 (five hundred dollars).
3. When the permanent patching, re-loaming and seeding, and all work required by the permit issued hereunder has been completed and approved in writing by the Department of Public Works Director, the Town will return the amount of the certified check and refund to the applicant the amount of the bond if one be posted.
4. If after six (6) months from the date of the permit the repair to the roadway is not completed according to these specifications and to the satisfaction of the Department of Public Works Director, the permittee will be notified in writing by the Department of Public Works Director that the permit has expired. The Town of Boxborough will then complete the necessary work in any manner they deem appropriate and deduct from the amount of the check and bond all costs of completing the work.

5. The Department of Public Works Director may extend any limit of time in these specifications if weather or similar conditions have hindered the proper completion of the work.

SECTION IV FINES

A. General

1. Any violation shall be subject to a fine of not more the \$500.00 (five hundred dollars) per offense.