

TOWN OF CARLISLE

Department of Public Works

TOWN OF CARLISLE HIGHWAY EXCAVATION SPECIFICATIONS

It shall be unlawful to deposit fill of any type or to make any excavation within the right of way of any highway in the Town of Carlisle for which the Town of Carlisle is responsible for the maintenance and upkeep unless the following rules and regulations are complied with. The Superintendent of Streets, who is charge with enforcement, shall not issue permits for highway excavations unless and until those persons seeking to excavate within the highways of the Town of Carlisle indicate their acceptance of said rules and regulations.

THE FOLLOWING REGULATIONS SHALL APPLY:

1. Adequate notice of intent to excavate shall be given the Superintendent of Streets.
2. Pavement Cutting: All Bituminous pavements shall be cut by an approved mechanical means before any excavation is started to insure against unnecessary damage to pavement.
3. Excavation: Excavation shall be done in a safe manner so as not to obstruct pedestrian or vehicular traffic. No excavation may be left open at night without permission from the Superintendent of Streets. The Superintendent of Streets shall have complete control of manner and method of work to be done in so far as quality and safety are concerned.

Example - where excavated material narrows traveled way, the Superintendent of Streets may order material to be removed and brought back in for backfill.

Example – where a trench is dug across a street that may impede traffic, steel plates capable of bridging trench and supporting traffic may be ordered to be used.

4. Backfilling Trenches: Suitable material of a stable nature shall be used and placed in six (6) inch layers and thoroughly compacted to 95% by mechanical means.
5. Temporary Patch: All trenches shall be resurfaced with a temporary patch minimum thickness two (2) inches of bituminous concrete or in winter months cold patch shall be used on a daily basis. This should be allowed to remain for a minimum period of sixty (60) days and be maintained by the permit holder. No permanent resurfacing shall be done without permission from the Superintendent of

Streets. He/She shall be the sole agent to determine whether the trench is ready for permanent resurfacing.

6. Permanent Resurfacing: All trenches shall be cut back as designated by the Superintendent of Streets on each side from original cut by an approved mechanical means.
7. Bituminous Concrete or Oil Treated Street Resurfacing:
 - A. Twelve (12) inches of approved gravel placed in two (2) six (6) inch layers and compacted by mechanical means to 95%.
 - B. Four (4) inches of bituminous concrete placed in two (2) layers of two and one-half (2 ½) inches of binder and one and one-half (1 ½) inches top and rolled with a powered roller having a weights of five (5) tons or more. Streets that have more than four (4) inches of pavements will be replaced with the same thickness of pavements that exist on the street.

Example – where there is six (6) inches of pavement six (6) inches will be replaced.

8. Gravel and bituminous concrete shall be placed to the outside of cutback to form a bridge over trench.
9. Before placing bituminous concrete, all joints shall be satisfactorily emulsified and again after placing top course of bituminous concrete shall be emulsified and sanded using screened sand.
10. Sidewalks and Driveways, Bituminous Concrete, Cement Concrete and Gravel: Any sidewalk that is disturbed shall be replaced in its entirety as per following specifications: All gate boxes shall be raised at the permit holder's expense. The Town shall specify the grade at which the new sidewalk or driveway is to be replaced, and the cost of raising or lowering grade shall be borne by the permit holder.
11. Gravel or Dirt Sidewalks if disturbed shall be replaced with six (6) inches of crushed run gravel or three (3) inches of bituminous concrete or both at the Superintendent of Streets discretion.
12. Bituminous Concrete Sidewalks shall be replaced by three (3) inches of bituminous concrete placed in two (2) layers of one and one-half (1 ½) inch course of top placed on six (6) inches of well compacted gravel. Roller to be five (5) tons or more.
13. Bituminous Concrete Driveways in two (2) on and one-half (1-½) inch

courses of bituminous concrete, two (2) one and one-half (1 ½) inches of well-compacted ravel. All joints in sidewalk and drive to be emulsified and sanded.

14. Cement Concrete Sidewalks and Driveways: Cement concrete shall be four (4) inches monolithic, 4,000 lbs. with ¾ stone air entrained with an expansion joint every thirty (30) feet using approved expansion joint material. Drives same as sidewalks except depth of concrete six (6) inches.

All concrete shall be sprayed with an approved curing compound and protected against drying too rapidly. A minimum of eight (8) inches of well-compacted approved gravel shall be placed under cement concrete sidewalks and driveways.

15. Curbs shall be restored completely to their original condition.
16. At the end of each day's work the street shall be left clean and dust free.
17. Condition of Premises: The highway and adjacent property shall be left in as good condition of repair and cleanliness at the expiration of the permit as existed when said permit was granted.
18. Indemnification: The applicant agrees to indemnify and save harmless the Town of Carlisle for all claims for damages or injury whatsoever arising out of the work done by the person receiving the permit.
19. Before approval of the permit the applicant shall either file a Performance Bond or deposit money or negotiable securities in an amount determined by the Superintendent of Streets, to be sufficient to cover the cost of all or any part of restoring the street and adjacent property to their original condition.

TOWN OF CARLISLE

PERMIT TO EXCAVATE A PUBLIC WAY

DATE OF APPLICATION _____

REASON FOR OPENING: Gas __ Telephone __ Electric __ Sewer __ Water __ Other __

APPLICANT: _____

Name Business Address Telephone

Issue Date (Proposed Start) Completion Date

Street name (Opening) Location on Street of Opening

Purpose of Cut & Excavation Approx Size of Cut (Lin. Ft.)

PERMITS WILL BE ISSUED SUBJECT TO THE FOLLOWING CONDITONS:

1. All work to be done in accordance with provisions of the Carlisle Highway Excavation Specifications.
2. Compliance with Massachusetts General Laws, Chapter 82, Section 40.
3. The Superintendent of Streets, Chief of Police and Chief of Fire Department must be notified on the day prior to excavation start, and also on the day prior to resurfacing of opening.
4. The Superintendent of Streets will authorize emergency street openings. The Chief of Police is to notified on Emergency Street openings.
5. Superintendent of Streets must be notified upon completion of work to enable final inspection procedures check.
6. The provisions of the permit may be changed to meet existing conditions where Public Safety and convenience require it in the opinion of the Highway Department Superintendent.

PERMIT GRANTED DATE _____ APPROVED BY: _____
Superintendent of Streets

FINAL INSPECTION: _____
Superintendent of Streets

BOND ON FILE

CERTIFICATE OF INSURANCE ON FILE

WARNING: PERMITS FOR STREET OPENINGS WILL BE REFUSED TO ANYONE WHEREIN THE APPLICANT HAS FAILED TO COMPLY WITH ANY AND ALL REQUIREMENTS OF PRIOR PERMITS ISSUED.