

City of Fitchburg
Department of Public Works
Permanent Trench Restoration Policy

I. PURPOSE:

The purpose of this policy is to establish a consistent and standardized process to be used in the City of Fitchburg to produce an acceptable permanent trench restoration.

The policy is intended to provide acceptable practices and procedures leading to a restoration that meets the criteria of a post construction pavement restoration inspection checklist.

II. STATEMENT OF POLICY:

The purpose of the Trench Restoration Policy is intended to ensure that permanent pavement restorations in the City of Fitchburg produce acceptable rideability to vehicular and bicycle traffic.

The City of Fitchburg, through post construction inspection, will determine whether permanent restorations are acceptable based on the following checklist.

- i. 1' overcut.
- ii. No pavement elevation deviations more than .25" measured via 10' straight edge.
- iii. All perimeter edges shall be sealed with an appropriate sealer and sanded. Any edge sealer that fails shall be routed and sealed with hot rubber.
- iv. When separate new trench excavations are located within 10 feet of each other, the pavement shall be restored with a single patch encompassing the excavated areas, required overcuts, and the space in between the excavations.
- v. When a new trench excavation is located within 10 feet of an existing trench repair, the new paved area shall be extended so that it butts against the existing trench repair.
- vi. When any restoration is within 2 feet of a curb, restoration will extend to said curb.

Failure to meet criteria of any of the above list constitutes an UNACCEPTABLE RESTORATION and shall be made to be in conformance within 3 working days or subject to fines and penalties as determined by City Code.

The City of Fitchburg reserves the right to inspect work during re-construction of surface treatment.

III. PROCEDURE FOR EXCAVATION, BACKFILL, AND BITUMINOUS CONCRETE PAVEMENT RESTORATION:

The approved procedures and methods of construction that acceptable in the City of Fitchburg are the 1995 Massachusetts Highway Department Standards and Specifications for Highways and Bridges, including subsequent Supplemental Specifications, the DTE Standard 98-22, and Appendix I-Trench Restoration Detail.

IV. OBJECTIVE CRITERIA FOR CONSIDERATION:

Street restoration is a discretionary action. The City of Fitchburg DPW reserves the right to consider roadway safety and costs when making recommendations and decisions about restorations.

Deficient restorations causing a hazard shall be remedied temporarily and immediately upon notification or subject to fines and penalties as applicable by City Code.

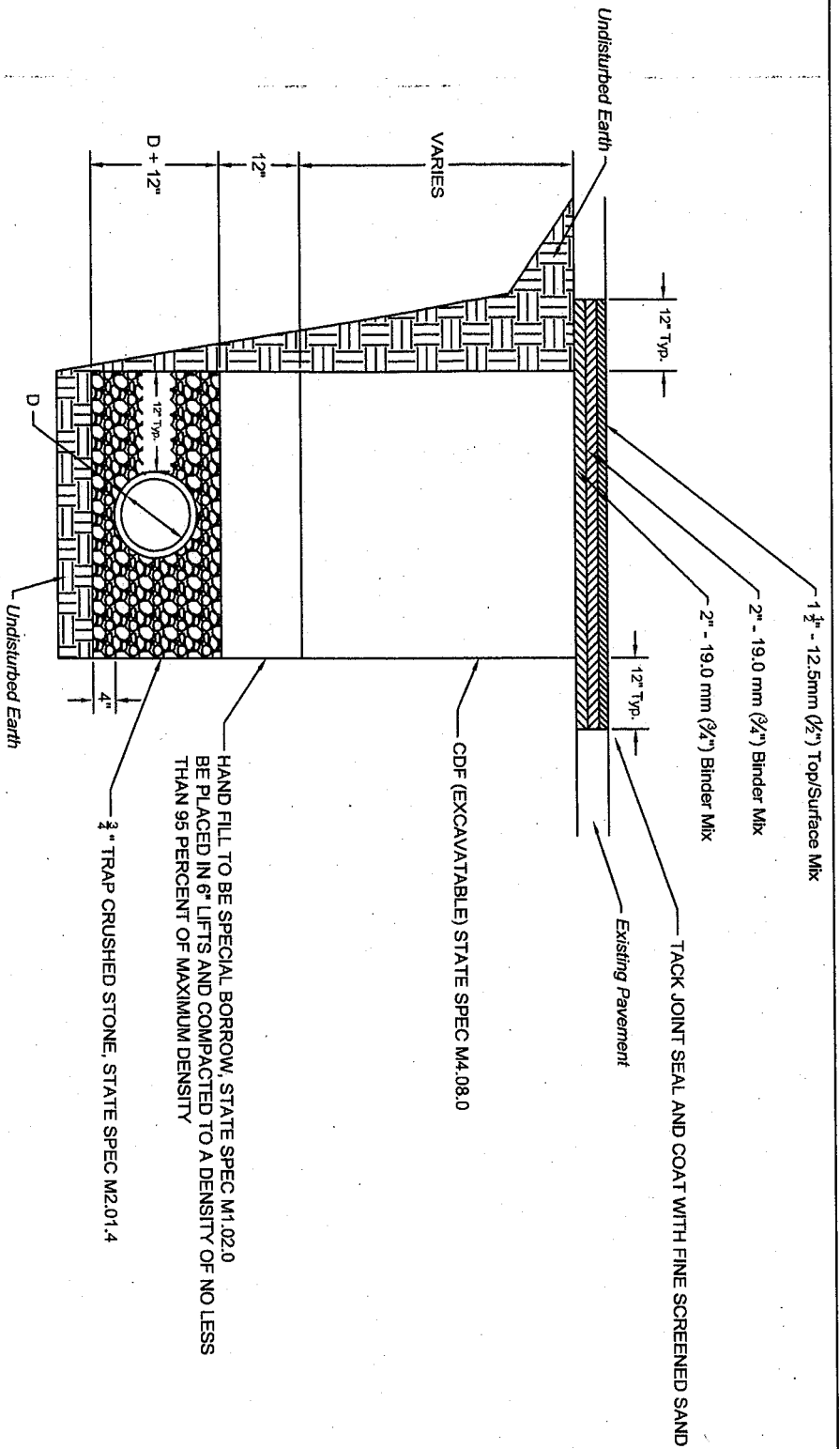
V. APPLICATION FOR VARIANCE:

Any person requesting a variance to above referenced materials shall be submitted via a letter of application to the Commissioner of Public Works for consideration at which point a decision will be rendered within 5 working days.

City of Fitchburg
Commissioner of Public Works
301 Broad St
Fitchburg, MA 01420

VI. APPENDIX I & IA-TRENCH DETAILS

March 2015



UPON COMPLETION OF APPROVED BACKFILLING, ALL EXCAVATED AREAS SHALL BE TEMPORARILY SURFACED WITH A 2" MINIMUM OF SUITABLE PATCHING MATERIAL. ALL CONTROL DENSITY FILL TO BE PLACED FOR NO LESS THAN 24HRS. TEMPORARY SURFACE SHALL NOT EXCEED 5 WORKING DAYS. IN PREPARATION FOR PERMANENT PATCH, TRENCH AREA SHALL BE EXCAVATED TO A DEPTH OF 5 1/2" AND TO INCLUDE A 12" OVER CUT ON ALL SIDES OF THE TRENCH. THE PERMANENT PATCH SHALL CONSIST OF 2 LIFTS OF 2" BITUMINOUS CONCRETE, 19.0mm BINDER MIX, AND 1 LIFT OF 1 1/2" BITUMINOUS CONCRETE, 12.5mm TOP/SURFACE MIX, AND COMPACTED TO A FLAT SMOOTH SURFACE. TRENCH PATCH SHALL BE WITHIN 0.25" TOLERANCE OF ADJACENT SURFACE USING A 3 METER STRAIGHTEDGE OR WITHIN TOLERANCE SET BY M460.67, ALL PAVEMENT LIFTS ARE TO BE TACK COATED, ALL JOINTS ARE TO BE TACK JOINT SEALED AND COATED WITH FINE SCREENED SAND

NO EXCEPTIONS FROM THE ABOVE SPECIFICATIONS SHALL BE MADE UNLESS SO STATED IN WRITING BY THE COMMISSIONER OF PUBLIC WORKS.

*NO SAND FILL SHALL BE ALLOWED EXCEPT BY WRITTEN PERMISSION OF THE COMMISSIONER OF PUBLIC WORKS.

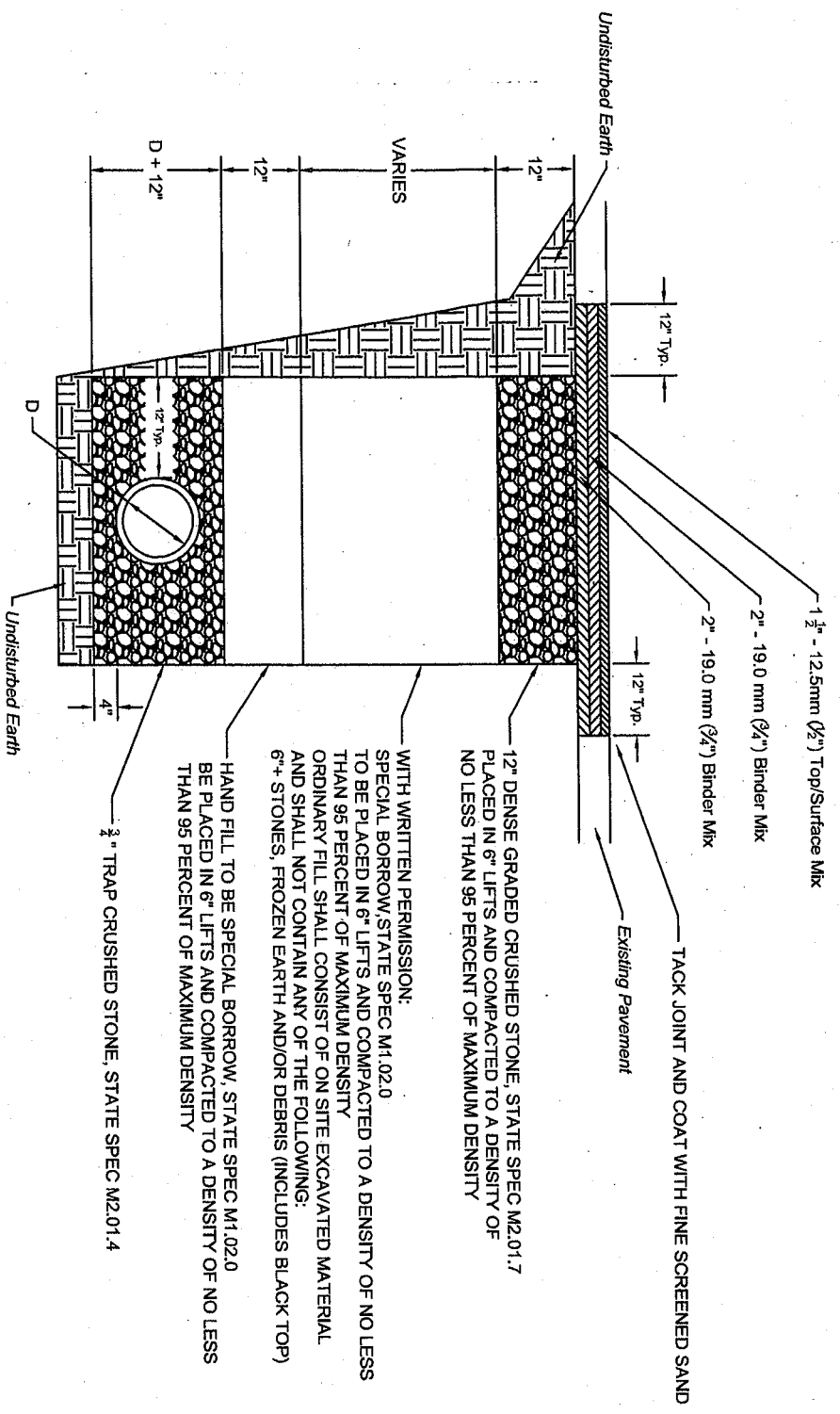
**REFERENCE TO CITY CODE _____



DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

TRENCH REPAIR DETAIL
CDF FILL
APPENDIX I

Designed	CJS	Date	3-31-15	Scale:	
Drawn	CJS	Date	3-31-15	Drawing No.	1
Checked				Sheet 1	of 1
Approved					



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**REFERENCE TO CITY CODE _____



DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

TRENCH REPAIR DETAIL
ALTERNATE-ORDINARY FILL
APPENDIX I-A

Designed	CJS	Date	3-31-15
Drawn	CJS	Date	3-31-15
Checked			
Approved			

Scale:	
Drawing No.	1
Sheet	1 of 1

City of Fitchburg, MA
Thursday, March 10, 2016

Chapter 157. Streets and Sidewalks

Article III. Obstructions

§ 157-46. Excavation permit required; restoration.

[Amended 7-27-1989 by Ord. No. 307-89; 7-18-2000 by Ord. No. 265-00; 12-1-2015 by Ord. No. 220-2015]
No person or City department shall dig up or make any excavation in any part of any street or sidewalk without a written permit from the Commissioner of Public Works. Work under such permit must be done in accordance with the requirements of the Commissioner, and upon completion thereof, the permittee shall restore the surface to a condition satisfactory to the Commissioner or his or her designee as determined and governed by the current City of Fitchburg Department of Public Works Trench Restoration Policy. An application fee of \$250 and an inspection fee of \$100 shall be paid to the City with each application. Said fee shall include all related inspections. Licensed public utilities, however, shall not be required to pay an inspection fee.

§ 157-47. Cash security and indemnity agreements.

[Amended 7-27-1989 by Ord. No. 307-89; 6-3-2014 by Ord. No. 100-2014; 12-1-2015 by Ord. No. 220-2015]
The Commissioner of Public Works may require any person to whom he or she may grant a permit to do work in any street or to obstruct any street in any manner to provide a cash security in the sum of \$5,000 cash to be held by the City Treasurer for three years in order to comply strictly with the terms of the permit. Three years after the completion of the last permit work, a permittee may request the Department of Public Works release the security. If all permit obligations have been met, the security will be returned in its entirety. The permittee shall provide a certificate of liability insurance of \$1,000,000 to indemnify the City from all loss, cost or expense that it may suffer in any way whatever by reason of such work or obstruction. Such permittee shall be held responsible for any damages that may result from such work or obstruction within three years after its termination. The permittee, upon issuance of permit, agrees to indemnify and save the City harmless against all claims for damage or injuries to persons or property and against all costs, suits, and losses arising from defects in the public way due to such work. Licensed public utilities, however, shall not be required to file a cash security but are held responsible for three years, unless otherwise required by the Department of Public Utilities.

§ 157-48. Repairs after excavations.

[Amended 6-3-2014 by Ord. No. 100-2014; 12-1-2015 by Ord. No. 220-2015]
Should any portion of a street require repaving or resurfacing within three years after it has been disturbed by excavation, the Commissioner of Public Works shall notify, in writing, by mail, postage prepaid, and/or e-mail, the party to whom the permit for such excavation or disturbance was granted, to forthwith make such repairs as he or she may deem necessary. If such party shall fail to make such repairs within three working days after the sending of such notice to his or her last known address, the

Commissioner may then make such necessary repairs, and the expense thereof shall be deducted, upon the request of the DPW Commissioner, from the cash security of \$5,000 deposited by the permittee with the City Treasurer. All sums received by the City Treasurer for work done or materials furnished under the authority of this section shall be placed to the credit of the Department of Public Works and used as a part of its appropriation.