

# EXCAVATION AND STREET OPENING POLICY

## I. Introduction

### 1. Purpose

The purpose of this policy is to:

- A. Ensure compliance with the Underground Facility Damage Prevention Requirements of the latest revision of the Public Utilities Commission Chapter 895 and the State of Maine Title 23, MRSA §3360-A.
- B. Provide Contractors and utilities with the permitting procedures and other documentation requirements for complying with the City's Excavation and Street Opening Policy.
- C. Provide repair and maintenance requirements for restoring excavations and street openings in the City's Right of Ways, to protect the general public and minimizing long term maintenance costs.

### 2. Definitions

Unless otherwise expressly stated, the following words for the purpose of this policy shall have the meaning herein indicated:

- A. City shall mean the City of Lewiston or its designated official and /or employee.
- B. Engineer shall mean the City Engineer or a duly authorized representative.
- C. Director or Director of Public Works shall mean the Director of Public Works or an authorized representative. The Director of Public Works or Deputy Director of Public Works or the City Engineer, may exercise the authority of the Road Commissioners or Commissioners of Public Works under any applicable state laws.
- D. Excavation shall mean any operation, on public or private property, in which earth, rock, or other material below the surface of the ground is moved or otherwise displaced, by means of power tools, power equipment, or explosives and including digging, ditching, grading, trenching, drilling, auguring, tunneling, scraping, saw cutting of pavement, and cable or pipe driving, excluding tilling of soil and gardening or any agricultural purposes and the maintenance grading of Municipally accepted roads.
- E. Emergency excavation shall mean any situation where immediate excavation is necessary to prevent injury, death, or to restore the loss of

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an existing vital service.

- F. Contractor, Excavator, or Applicant shall mean any Person, business or organization, and any affiliated member of any kind including employees, shareholders, partners, or representatives.
- G. Excavation Permits are available at City Business Office at City Hall.
- H. Newly paved or constructed street or sidewalk, shall mean any City street or sidewalk, which has been paved, repaved, constructed, or reconstructed within the past five (5) years.
- I. Structures shall mean culverts, catch basins, manholes, walls, sewers, sewer services, water lines and services, gas lines and services, electrical lines and services, telephone lines and services, under drains, cellar drains, hydrants, cable television conduits, traffic signal loops, street light circuits, railroad signal wires, oil lines, etc.
- J. Utility shall mean any company, corporation, quasi-municipal organization which supplies some widespread service to the public and may or may not be under the direction of the Public Utilities Commission.
- K. Vital structures shall mean fire hydrants, fire alarm box, manholes, catch basins, traffic signals and boxes, cables, etc.
- L. Dig Safe<sup>™</sup> shall mean the process of notifying Dig Safe<sup>™</sup> prior to any excavation and all the procedures associated with the Maine State "Underground Protection of Facilities Act" found at 23 MRSA §3360-A.
- M. Hot Mix Asphalt (HMA) shall mean Maine DOT approved hot plant mixed bituminous pavement commonly used as base, surface or shim pavement on City streets as directed in standard City specifications.
- N. Aggregate Sub base and Base shall mean Maine DOT approved aggregate for sub base or base construction of streets and roads consisting of screened or crushed gravel of hard durable particles free from vegetable matter, lumps or balls of clay and other deleterious substances. Specifications for grain size shall be specified in the most recent Maine DOT Specifications.
- O. Arterial and Collector streets within the City are identified in appendix A.

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## II Excavation Policy

### 1. Excavation Permit

- A. The City will issue annual excavation permits to Contractors/Excavators for all work within the City limits, for one calendar year for a fee of \$600.00. If an annual permit is purchased before March 1, the fee for the permit shall be \$500.00. The Applicant shall have the option of obtaining a single occurrence, 30 day duration, excavation permit for a fee of \$60.00 each.
- B. Prior to issuing the permit the Applicant shall provide the following information;
  - 1. A valid Dig Safe number for the project to be started.
  - 2. A valid certificate of insurance for the Contractor performing the work.
  - 3. A traffic control plan for the project showing how traffic and or pedestrians will be allowed to pass through the work zone if required.
  - 4. The Applicant shall be current on all financial obligations to the City
- C. Excavation Permits shall be required for anyone who may be excavating anywhere within the City Limits of Lewiston Maine. All Subcontractors doing excavation work shall be required to have their own excavation permit for their work to be performed. Individual homeowners working on their own property **without powered equipment** shall not be required to obtain an excavation permit. **Costs associated with the excavation permit program do not include street opening fees. These street opening fees are to cover the City's administrative and inspection costs.**
- D. Each excavation within the City limits shall be done in accordance with the Underground Facility Damage Prevention Requirements of the Public Utilities Commission Chapter 895 and State of Maine Title 23, MRSA § 3360-A, and shall be conducted in strict compliance with the latest OSHA, Federal, State and Local regulations for excavations.
- E. When obtaining an excavation permit, annual or individual, the Applicant shall furnish evidence satisfactory to the Director or his Designee that he/she has in force public liability insurance with the underground (U) or collapse (C) exclusion clause in effect for each operation in amounts described below. Said insurance coverage is to be in force for the period covered by the permit.

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Bodily Injury Liability	\$500,000.00 Combined Single Limit
Property Damage Liability	\$100,000.00 Combined Single Limit

Under special circumstances, higher limits may be required. Homeowners are not required to have this insurance when they are performing their own excavation on their own land with powered equipment. They must however first follow the proper Dig Safe™ procedures and obtain an excavation permit from the Business Office at Lewiston City Hall.

- F. Excavation of graves in designated sites will not require a permit. All other excavation or grading in designated cemeteries shall require a single occurrence excavation permit as a minimum.
- G. In the event of an emergency, the Excavator shall first call in an Emergency Dig Safe™ and then follow the procedures on page eight (8) section four (4) of this policy.
- H. The City shall have the right to inspect all aspects of the excavation process on public or private property.
- I. The City shall have the right to revoke an excavation permit if any other necessary City, State or Federal permits have not been obtained, or if the Applicant is not in compliance with applicable City, State or Federal rules, laws or regulations, or is deemed by the Director to be a threat to public safety.
- J. Failure of an Excavator to follow the standards outlined in this policy shall result in a written warning for a first offense. If the Applicant fails to follow these standards within one (1) year of the written warning, he or she shall receive a \$500.00 fine for the second offense, with a \$500 fine for each day consequently until the violation is rectified, along with a suspension of excavation permit until fine is paid in full. If a third offense occurs, a \$2500 fine with a \$500 fine for each day consequently until violation is rectified, and revocation of Excavation Permit for the remainder of the calendar year, unless otherwise specified. See section 7 of this policy for policy details.

## III Street Opening Policy

### 1. Street Opening Permits

- A. A street opening permit shall be required for any excavation performed within a city right-of-way, and a fee will be charged for this permit. Proper performance of the work shall include, but is not limited to, the repair or replacement of any public or privately owned property

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damaged while performing the work.

- B. Maintenance of excavations within any City right-of-way shall be the responsibility of the Applicant for 36 months from the date of inspection by the City. Any settlement or other pavement defects of the excavation surface shall be deemed as unsatisfactory work by the Applicant. If the Applicant neglects or refuses to repair any substandard work after notification by the City during the thirty-six (36) month period, he or she shall be considered in violation of the city's Excavation Policy. This notice shall serve as an official written warning at this point. The City may complete any necessary repairs within twenty-four (24) hours of the Applicant's notification. The Applicant shall be liable for the entire cost of said repairs plus 15% for inspection fees. No additional street opening or excavation permits will be issued to the Applicant until the City has been reimbursed for the repairs. If the Applicant has an annual excavation permit, it will be suspended until the City is reimbursed for the cost of the repairs.
- C. Street Opening permits will normally be issued between April 1 and November 15. Between November 15 and April 1 Street Opening Permits shall normally be for emergencies only. If an Applicant needs to open a street during the winter months he or she shall first obtain the permission of the Director of Public Works or representative prior to proceeding. All paving done after November 15 shall be considered temporary pavement, and will need to be repaved in the spring.
- D. Contractors planning to occupy parts of a street or sidewalk shall be required to follow the procedures in the City's Street and Sidewalk Occupancy Policy. Permits to Occupy City streets or sidewalks are available at the Auditors Office at Lewiston City Hall. Failure to comply with this policy could result in a \$100.00 fine, enforced daily.
- E. When working on an arterial, collector or when required by the Director the Applicant shall submit a written traffic control plan in compliance with the Manual on Uniform Traffic Control Devices (MUTCD). The traffic control plan shall specify signage that is to be used and where it is to be placed. Any barricades, cones or other devices shall be included in the drawing. Any detours for traffic or pedestrians shall be clearly laid out with appropriate detour signage. The traffic control plan, when required, shall be submitted to the Auditors Office at Lewiston City Hall, and approved by the Director or a Duly Authorized Representative prior to any work taking place. The Director can order that this plan be prepared by a traffic engineer and stamped by a Professional Engineer or require the presence of a Uniformed Police Officer. The Applicant shall be responsible for the cost of all traffic control.

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- F. All work on certain major arterials, as listed below shall be performed at night or on weekends with approval from the Director. Any minor work that the Director may approve for day work shall not be performed between the hours of 5:00 A.M. and 9:00 a.m. or 3:00 p.m. to 7:00 p.m. All work done on the following streets, including work done on intersecting streets, that may impact the flow of traffic at the intersection, must be accompanied by a Lewiston Police Department police detail for traffic control measures. Police detail shall be scheduled directly with the Lewiston Police Department at least 48 hours prior to work commencing.

Canal St. – Police Discretion  
Cedar St. – Police Discretion  
Lincoln St. – Police Discretion  
Lisbon St.  
Main St.  
Sabattus St.  
Russell St.  
East Ave. – Lisbon to Russell

- G. Any Contractor desiring to close a street shall complete an application for road closure, and submit a traffic control/detour plan, to the Auditors Office at Lewiston City Hall. Road closure requests shall be submitted for approval at least **48 hours** prior to the road closure. The Auditors Office shall electronically send all Street Closure requests to Police Department, Fire Department and the public works department for approval. Failure of an applicant to follow the standards outlined in this Policy shall result in a \$100 fine for a first offense. If the Applicant fails to follow these standards within one (1) year of the first fine, he or she shall receive a \$500.00 fine for the second offense, with a \$500.00 fine each day consequently until the violation is rectified, If the Applicant fails to follow these standards within one (1) year of the second offense, a fine of \$2500 can be assessed at the discretion of the Public Works Director or Lewiston Police Department, with a \$500 fine for each day consequently until violation is rectified. Potential offenses could be, but are not limited to improper signage, improper cone placement, no police detail when required, no flaggers when required, or anything outside the guidelines of the M.U.T.C.D..

### H. Excavation and Repair Standards

1. All excavations on paved streets and sidewalks shall be pre-cut in neat straight lines with approved pavement breakers or saws. Saw cuts in streets shall be perpendicular or parallel to the flow of traffic. A 12” grind must be made along all outside edges of cut pavement, according to the attached Trench Paving Detail. Failure

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to comply with this standard shall be considered unsatisfactory work, and could be considered a violation of the excavation policy.

2. All excavations in existing pavement within thirty-six (36) inches of the edge of pavement or curb shall require the removal and replacement of all old asphalt completely to the shoulder or curb at no cost to the City.
3. Pavement edges shall be trimmed to a vertical face. The width of the trench prior to pavement replacement shall be consistent the entire length of cut. The trimmed edges shall not vary by more than three (3) inches for every ten (10) linear feet of cut. An approved bituminous tack material shall be applied to all edges of existing pavement to ensure the new patch has a water tight bond with the old pavement.
4. An additional six (6) inches of pavement shall be removed from all sides of the excavation measured from the edge of the excavated trench. Unstable or damaged pavement shall also be removed from the perimeter of the excavation.
5. When multiple patches are required in a distance of seventy-five (75) feet or less the Applicant shall be required to grind the entire area encompassing all of the multiple excavations and the area between a minimum of 1” inch in depth and overlay the entire area repaving as one trench. In cases where the existing pavement is in poor condition the Director may modify or waive this requirement.
6. The joint of an asphalt patch for a street excavation shall not fall within the wheel path of a vehicular travel lane. In such cases the excavation shall be enlarged to the center of the lane or adjacent lane.
7. Feather joints shall not be acceptable for overlays of old patches on arterials or collector streets. Repairs are to be made by grinding to the desired depth and then matching in with new pavement.
8. All granite pavement blocks, granite curb or cobblestones in the way of excavations shall be removed by the applicant prior to the commencement of work. The Applicant shall transport the material to a storage site to be designated by the City, except when the items are part of the surface restoration. **All excavated granite blocks, granite curb and cobblestones remain the sole property of the City. The Contractor shall be responsible for any damage to the material during excavation or transportation.**

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9. The Applicant shall be responsible for the cost to replace any street markings or traffic loops disturbed by the work. The repair or replacement work shall only be done by a Contractor approved by the Director.
10. The maximum permissible length of open trench in an excavation at any time shall be two hundred feet (200'). No greater length is to be opened for pavement removal, excavation, backfilling, repairing or any other operation without the express written permission of the Director.
11. After any Contractor does any test boring or other boring in any street or sidewalk He or She shall be responsible for plugging or patching the holes in a manner satisfactory to the Director or his representative. Any test holes left in the street, unrepaired for more than thirty (30) days shall be considered a violation of the City's Excavation Policy.
12. The Applicant shall not remove, even temporarily, any trees or shrubs, which exist in any street right of way without first obtaining the written consent of the City Arborist. The City Arborist shall be notified of any trees that are damaged. The Contractor shall be responsible for the repair or replacement of any damaged trees.

### 2. Fee Schedules

- A. A street opening permit fee shall be charged for all work performed within the City right-of-way. These fees are to cover the City's inspection and administrative costs associated with the street opening permit program. The fee structure is intended to reasonably reflect a permittee's proportionate share of such costs. The City will periodically review these fees and fee structure. In the event the fees assessed fail to reasonably reflect the City's inspection and administrative costs, or Applicant's share of such costs are substantially disproportionate, the City will revise the fee amounts or fee structure accordingly. The tiered fee schedule is established to reflect the complexity of projects associated with each type of street and the fee shall be based according to the following unit rates. A list of arterial and collector streets is provided in Appendix A of this policy. **In every individual case, however, a minimum fee of \$100.00 shall be required, but in no case shall the amount of fee charged exceed \$2500.00.**

Schedule (1) is for applicants who chose to perform the repairs and maintain the excavation for the full thirty-six (36) month duration.



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## Schedule 1 INSPECTION AND MAINTENANCE FEE

<b>Street Pavement</b>	<b>2 to 25 S.Y.</b>	<b>Over 25 S.Y.</b>
Arterial	\$20.00	\$15.00
Collector	\$15.00	\$10.00
Residential/Rural	\$10.00	\$5.00
Gravel	\$3.00	\$2.00
<b>Sidewalk Pavement</b>	<b>2 to 25 S.Y.</b>	<b>Over 25 S.Y.</b>
New Concrete	\$20.00	\$15.00
Brick or Pavers	\$15.00	\$10.00
Asphalt	\$10.00	\$5.00
Other Charges		
Esplanade	\$5.00	
Granite Curbing	\$5.00	
Bituminous Curbing	\$5.00	

### 3. Fee Exemptions

- On a street or road scheduled for major reconstruction the City may waive the street opening fees for Utilities or Contractors performing work in these areas until the said base pavement has been installed.
- On streets where the existing pavement is in very poor condition and an applicant has completed a private utility project, the City may waive up one hundred (100) percent of the Street opening fees.
- There shall be no street opening fee for utility pole installation in grass or esplanade areas.
- The City shall waive street opening fees for work done under contract to the City, Maine Department of Transportation (MDOT) or the Maine Turnpike Authority (MTA).

### 4. Emergency Permits

- A. In the event of an emergency, the Excavator shall follow Dig Safe™ emergency procedures, outlined in the latest revision of the State of Maine Title 23, MRSA §3360-A. When Contractors are excavating in emergency circumstances they may complete the work without obtaining a street opening permit. They are however, required to obtain a City Excavation Permit and or Occupancy Permit if required after the emergency situation is corrected, within 5 business days.

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## 5. Protection of the Public

- A. All excavations within the right of way shall have work zone traffic control as outlined in the latest version of the MUTCD. This shall include proper guards or barricades, signs, traffic cones and traffic flaggers. All excavations or other jobsites shall be maintained safe for vehicular and pedestrian traffic at all times.
- B. Work flood lights and flaggers with lighted traffic control devices may be required during periods of reduced visibility or at night to protect the public from hazard. When flaggers are used at night their stations shall be properly illuminated and they shall be supplied with the equipment required by the most recent version of the MUTCD. The lights shall be positioned to illuminate for the work zone without impeding the vision of passing motorists.
- C. If the work is to take place on major arterial streets, the work shall be done at night or during week-ends as approved by the Director to reduce conflict with traffic. The Director may wave this requirement in special circumstances.
- D. Each Applicant shall conduct and carry out the excavation work in such a manner as to avoid unnecessary inconvenience and annoyance to the general public and residents of the neighboring property. All material excavated from trenches piled adjacent to the trench or in any street shall be piled and maintained in such manner as to minimize erosion, and not endanger those working in the trench, pedestrians or passing motorists. Any materials placed or stored within a travelway shall be barricaded in compliance with the latest MUTCD standards. Where the confines of the street being excavated are too narrow to permit piling of excavated material beside the trench, the City shall have the authority to direct the Applicant to haul the excavated material to a storage site and then haul it back to the trench site prior for backfilling. It shall be the Applicant's responsibility to secure the necessary permission and make all necessary arrangements for all required storage and disposal sites. The Contractor shall also meet BMP'S for non-point source pollution control.
- E. To the fullest extent possible the Applicant shall take appropriate measures to reduce noise, dust, and unsightly debris in the performance of the work. Work shall be performed between the hours of 7 AM to 7 PM. Work scheduled outside of these hours shall have the approval of the Director.

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## 6. Right to Inspect

- A. The City shall have the right to inspect all aspects of the excavation process on public or private property including, but not limited to, the excavation of earth, backfilling, and placement of temporary and permanent pavement. When required by the City, the Applicant shall provide the following materials testing data;
  - 1. Samples of materials sufficient for testing that are to be used for aggregate road base or sub base construction.
  - 2. Results of lab grain size analysis testing for sub base/base.
  - 3. Results of in place density testing of any road base or sub base.
  - 4. Mix design and per cent asphalt content of any HMA used on the project
  - 5. Thickness and density testing results of pavement on the project.
  - 6. All pavements shall meet the latest City/MDOT specifications for HMA.
- B. It shall be the duty of the Applicant to guarantee and maintain the site of the excavation work in the same condition, or better than it was prior to the excavation for thirty-six (36) months after the date the work is accepted by the City
- C. The City shall have the right to revoke an Excavation, or Street Opening Permit, if any other necessary City, State or Federal permits have not been obtained, or if the Applicant is not in compliance with applicable City, State or Federal rules, laws or regulations, or is deemed by the Director to be a threat to public safety.

## 7. Penalties

- A. Failure of an Excavator to follow the standards outlined in this Policy shall result in a written warning for a first offense. If the Applicant fails to follow these standards within one (1) year of the written warning, he or she shall receive a \$500.00 fine for the second offense, with a \$500.00 fine each day consequently until the violation is rectified, along with a suspension of excavation permit until fine is paid in full. If the Applicant fails to follow these standards within one (1) year of the second offense, a fine of \$2500 will be assessed, with a \$500 fine for each day consequently until violation is rectified, and have all excavation and street opening privileges revoked for the remainder of the calendar year. Potential offenses could be, but are not limited to substandard work, excavation without street opening permits, excavation without an excavation permit, and failure to make repairs in a reasonable amount of time.

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## 8. Newly Constructed and Paved Streets

- A. To maintain the best travel surface feasible, there shall be no excavation on newly paved or substantially repaired streets for a period of five (5) years except in emergency situations. If a City street absolutely must be opened to restore an existing essential utility service within the five (5) year moratorium, the City may issue a street opening permit. The following conditions for street restoration shall apply:
- B. If the Applicant must excavate a newly paved street or sidewalk, the patch is to be paved with binder and surface flush with existing surface pavement for the first year. The next year the Applicant shall return and mill the original patch curb to curb the full width of the street a distance of twenty (20) feet from the furthest outside edge of the original street opening approximately one (1) inch in depth. The cold planed area shall then be repaved with one (1) inch of surface pavement utilizing a paving machine and compaction equipment in compliance with the most recent MDOT and City specifications.

If any street opening overlaps the edge of a previous street opening, on a moratorium street, the City may require the Applicant to cold plan and repave the full width of the road to the furthest edge of that previous repair. The permit fee will be based upon the type of pavement (arterial, collector, residential, sidewalk, etc) and the total area of the opening in the street.

- C. In all cases involving a **Moratorium Issue** the Director or his/her representative shall approve the repair procedure, type of HMA, and required paving equipment.
- D. To prevent unnecessary excavation after reconstruction or repaving, the City will issue a minimum 60-calendar day notice to the potentially concerned utilities, and adjacent property owners prior to the roadway being repaved.

## 9. Backfill Methods

- A. Backfilling material in any street opening or excavation shall be compacted to a degree equivalent but, not less than the undisturbed ground in which the trench was dug, or 95% of relative maximum compaction, whichever is greater. Compaction of the layers of fill shall be done by mechanical tampers, vibrating plate compactors, or by trench rollers as required by the soil in question and sound engineering practices. Aggregate sub base and base material shall be sand or gravel consisting of hard durable particles free of vegetable matter, lumps or balls of clay. All aggregate sub base and base material shall meet the

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latest MDOT and City specifications.

- B. Backfill material shall be placed in lifts eight (8) to ten (10) inches. Aggregate sub base shall be fifteen (15) inches for residential streets, twenty-one (21) inches for collector and arterial streets and aggregate base shall be three (3) inches for all streets.
- C. The City shall require the Applicant to provide soil gradation tests performed by a recognized soil testing laboratory when the City deems necessary for all excavations within the city right of way. Gradations shall be on all subbase (MDOT 703.06 Type D) and aggregate base (MDOT 706.06 Type A). Materials shall meet Maine DOT specifications. In order for the resurfacing to be permitted, such tests must show that the backfill material meets the minimum requirements prescribed by the City. All expenses of such tests shall be borne by the Applicant. The City reserves the right to test the material, and if it does not meet specification, the cost to remove and replace the material shall also be the responsibility of the Contractor.

When backfilling is done by controlled density backfill, also known as flow able fill, the fill shall not exceed 125 psi after 28 days and shall be capable of being excavated. The excavation shall be properly protected until the material has "set-up" any and all protection shall conform to Federal and State MUTCD standards. When backfilling, the Applicant shall consider hydrostatic pressures and brace structures accordingly. The flow able fill shall contain the water reducing and air-entraining admixture "DaraFill" as manufactured by Grace Construction Products of Cambridge, MA or approved equal. This method may be used during winter excavations, or when there are no feasible mechanical methods to backfill and compact.

## 10. Excavation Maintenance

- A. The Applicant shall prosecute with diligence and expedite the completion of the excavation work to restore the street as specified in Section 9 of this policy. The Applicant shall perform such restoration work so as not to obstruct, impede or create a safety hazard.
- B. Unless otherwise authorized by the Director, temporary resurfacing of streets shall consist of a cold patch when HMA is not available or HMA pavement at a **minimum depth** of three (3) inches. All temporary HMA shall be compacted so that it is hard and smooth enough to be safe for pedestrian travel on sidewalks, and vehicular traffic on streets traveling at a normal rate of speed for the street or road involved. The Applicant shall maintain the temporary paving and trenches throughout the winter season as needed. Poor maintenance of

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any utility excavation at any time shall be considered a violation of the City's Excavation Policy. All cold patch or other temporary pavement installed during winter excavations shall be removed and replaced with permanent Hot Mix Asphalt (HMA) meeting MDOT Specifications no later than June 1.

## 11. Surface Restoration

- A. Permanent resurfacing of excavations in streets and sidewalks shall be the responsibility of the Applicant. When possible resurfacing shall normally be completed the same day the excavation is compacted to finish grade. The replacement of existing bituminous pavement shall be done with HMA meeting the requirements of the latest ME DOT and City specifications. When small excavations are resurfaced by hand, the compacted pavement thickness shall not exceed two (2) inches in depth for any layer of pavement. For machine paving the maximum compacted thickness for a single course of pavement shall be three (3) inches. The total thickness of pavement requirements for the types of streets listed is as follows: Arterials and Collectors should be 6 inches and residential streets three-inches. All streets shall have at least one inch of surface pavement. The surface of the replacement pavement shall match the grade and type of the surrounding pavement. All (HMA) pavement used on City Streets shall be a MDOT approved mix design.
- B. When an area to be repaved exceeds one hundred (100) square yards, resurfacing shall be accomplished using self-propelled paving equipment complying with the latest MDOT and City specifications. All joints shall be cleanly saw cut with an approved mechanical pavement saw prior to removal of the old pavement. If repairs are required to be performed on arterials and collectors they shall be completed not less than six (6) months or more than twelve (12) months from the date of resurfacing.
- C. Replacement of Portland cement concrete pavement shall be with an approved Portland cement concrete mixture and with reinforcement, thickness and contraction joints equal to that which was removed during the excavation. The City Engineer shall provide the specific requirements for the project.
- D. The restoration of existing grass areas, shall be to backfill with clean fill in compacted 12 inch lifts with the final six (6) inches back filled with a screened loam to match existing. A grass mix approved by the City Engineer shall be used. The Applicant shall be responsible for **grass growth within two (2) months** of planting or by June 15 of the following year for replanting work done after September 15. The

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Director may require an erosion control mesh, sod or other restoration method to be placed under special conditions, such as steep slopes and drainage ditches. The Contractor will comply with erosion control standards required by the Maine Department of Environmental Protection and the City.

- E. Repair of existing brick or concrete paver walkways shall be made with the existing stones that have been removed prior to any excavation. All brick or concrete pavers damaged by the Contractor shall be replaced in kind at the Contractor's expense. The replacement aggregate base shall be compacted over a woven geotextile. The pavers shall be placed on a one inch thick sand layer consisting of 100% passing a 3/8 inch sieve, but not more than 3% passing a No. 200 sieve. The pavers shall be compacted into place with a vibrating plate compactor. The Contractor shall be responsible for the paver replacement for a thirty six (36) month period for damages relating to poor compaction and paver placement. This work shall be done in accordance with the Standard City Specification for Concrete & Brick Pavers.

### **12. Utility Pole Installation**

All newly installed utility poles must have all spoils from the installation removed and cleaned up on the same day as installation. Failure to do so shall be a violation of the excavation policy, and could result in a \$500 fine per day until cleaned up.

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## Appendix A

### Federal Highway Administration Functional Classification of Lewiston Streets

#### Arterial Streets

Alfred A. Plourde Pkwy. - Webster Street to Apple Road  
Ash Street - Canal St to Sabattus St.  
Bartlett Street - Oak Street to East Avenue  
Bates Street - Main Street to Pine Street  
Canal Street\* - Main St to Lisbon St.  
Cedar Street\* - Lisbon St. to Auburn City line  
Central Avenue - Sabattus Street to Russell Street  
College Street - Bartlett Street to Montello Street  
East Avenue - Lisbon Street to Montello Street \*  
Fair St. - Mollison Way to College Street  
Farwell Street - Webster St to Connector Rd.  
Goddard Rd. - River Road to Alfred Plourde Pkwy.  
King Ave. - Main St. to Mollison Way  
Lincoln Street - Main Street to River Road \*  
Lisbon Street\* - Main St. to the Lisbon Town Line  
Main Street\* - The Auburn City Line to the Green Town Line  
Mollison Way - Main St to King Ave.  
Montello Street - Main Street to East Avenue  
Pine Street - Canal St to Sabattus St.  
Pleasant Street - East Avenue to Lisbon Street  
Pond Road - Webster Street to Sabattus Street  
Russell Street\* - Sabattus St to the Main St.  
Sabattus Street\* - Main St to the Sabattus Town Line  
Scribner Blvd. - Lisbon St to Webster St.  
South Avenue - Lincoln Street to Lisbon Street  
Vietnam Veterans Bridge, incl. ramps  
Webster Street - Sabattus Street to Pond Road

\* Major Arterial



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## Collector Streets

Adams Ave.  
Alfred A. Plourde Pkwy. - Apple Road to River Road  
Apple Road - Alfred A. Plourde Pkwy to Ferry Road  
Bates Street - Pine Street to Maple Street  
Bates Street - Main Street to High Street  
Birch Street - Park St to Jefferson St.  
Blake - Main Street to Oak Street  
Central Avenue - Russell Street to Montello Street  
Chestnut Street - Lincoln Street to Park Street  
College Street - Montello Street to Town Line  
Commercial Street - Ferry Road to Pleasant Street  
Crowley Road - South Lisbon Rd to the Sabattus Town Line  
Ferry Road - Apple Road to Commercial Street  
Forrestal Street - Webster St to Westminster St.  
Grove Street - Sabattus St. to the Sabattus Town line  
High Street - Bates Street to Main Street  
Hogan Road - Montello St to Stetson Rd.  
Jefferson Street - Sabattus Street to Birch Street  
Lexington Street - Alfred A. Plourde Prkwy to Saratoga St.  
Maple Street - Bates Street to Canal Street  
Middle Street - West Bates Street to Oak Street  
Montello Street - East Avenue to Old Greene Road  
North Temple Street - Sabattus Street to Old Green Road  
Oak Street - Sabattus Street to Park Street  
Old Greene Road - Sabattus Street to Montello Street  
Old Lisbon Road - Webster St to South Lisbon Rd.  
Park Street – Main St to Adams Ave.  
Pleasant Street - Lisbon Street to Commercial Street  
Randall Road - Sabattus Street to Grove Street  
River Road - Alfred A. Plourde Pkwy to Lincoln Street  
Riverside Street - Summer Street to Main Street  
Saratoga - Forrestal St. to Enterprise St.  
South Avenue - Lisbon Street to Pleasant Street  
South Lisbon Road - Old Lisbon Road to Lisbon Street  
Stetson Road - Main St to Hogan Rd.  
Summer Street - Riverside Street to West Bates Street  
Walnut Street - Bates St to Webster St.  
Webber Avenue - Webster Street to Pleasant Street  
Webster Street - Pond Road to Old Lisbon Road  
West Bates Street - Summer Street to Middle Street  
Westminster Street - Lisbon St to Forrestal St.

# EXCAVATION AND STREET OPENING POLICY

## Trench Paving Detail

