



City of Augusta

Excavation & Street Opening Policy

Revised May 2013- Fee structure change
Revised June 2013 –Moratorium language change

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 minimize 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 Augusta 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 authorized representative.

D. Excavation shall mean any operation 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 includes digging, ditching, grading, trenching, drilling, augering, tunneling, scraping and cable or pipe driving, excluding the maintenance grading of Municipally accepted roads.

E. Emergency excavation shall mean any situation where immediate excavation is necessary to prevent injury, death, or loss of existing vital service.

F. Permittee shall mean any person, business or organization that has applied and received an Excavation and Street Opening Permit. The Permittee shall be the responsible party and will become the point of contact for any issues relating to the activity for which the application has been submitted and approved.

G. Newly paved or constructed street shall mean any City street, which has been paved, repaved, constructed, or reconstructed within the past five (5) years.

H. 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.

I. Utility shall mean any company, corporation, or 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.

J. Vital structures shall mean fire hydrants, manholes, catch basins, traffic signals and boxes, cables, etc.

K. Infrared Process shall mean the process of reheating an existing asphalt surface, adding more Hot Mix Asphalt if needed, raking and rolling the material to remove the joint in the asphalt surface

L. Dig Safe shall mean the process of notifying the Dig Safe organization prior to any excavation and all the procedures associated with the Maine State "Underground Protection of Facilities Act" found at 23 MRSA §3360.

M. Hot Mix Asphalt (HMA) shall mean hot plant mixed bituminous pavement commonly used as base, surface or shim pavement on City streets as directed in standard City specifications

N. Aggregate Subbase and Base shall mean aggregate for subbase 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 City specifications.

O. Unsatisfactory Work shall mean any work associated with the Excavation and Street Opening Permit that fails to meet the repair and maintenance requirements for restoring excavations and street openings in the City's Right of Ways, protect the general public, or minimize long term maintenance

costs. Such work may include poor workmanship, unsubstantial catch of grass in lawn areas, failed pavement structure such as de-lamination of pavement layers or un-raveling of pavement, settlement of disturbed areas of greater than ½ of an inch as measured along a straight edge of 10 feet in length, or an overall reduction in ride quality after the activity has taken place.

II. Excavation & Street Opening Standards

1. General Requirements

A. The City will issue an excavation & street opening permit for all work within the City Right of Ways prior to the commencement of work. A fee will be charged for this permit and will be based upon an estimated quantity of disturbance. Once the work has been completed, the disturbed area will be measured by the City and the fee will be adjusted accordingly. The permittee will be responsible for the additional cost should the quantity of disturbed area be larger than originally estimated. The City will return any portion of fees initially charged should the actual disturbed area be smaller than originally estimated

B. Proper performance of the work shall include, but is not limited to, the repair or replacement of any public or privately owned property damaged while performing the work. Damage may include disturbed lawns, marred pavement from equipment, obvious undermining of remaining pavement, and disturbed remaining pavement due to blasting activities.

C. Before any excavation permit is issued, the applicant shall satisfy to the Director of Public Works that the applicant possesses the financing, knowledge, skill, equipment, and material to perform the complete scope of work.

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. New utilities or replacement of utilities in a different location other than currently occupied shall require the submission of a plan indicating the proposed location of the utilities. Such plan shall be drawn to scale and shall indicate the location of other utilities in the immediate area. The City may require a detailed plan showing the horizontal and vertical locations of the proposed utility.

F. When obtaining an excavation permit, the applicant shall furnish evidence satisfactory to the Director or his designee that they have in force public liability in effect for each permit in amounts described below. Said insurance coverage is to be in force for the period covered by the permit.

Bodily Injury and Property Damage Liability Insurance \$1,000,000.00 Combined Single Limit

Under special circumstances, higher limits may be required. In addition to higher limits, larger projects may require a long term surety such as a bond to ensure any issues associated with unsatisfactory work are completed at no cost to the City.

G. Any permittee desiring to close a street shall submit a formal request to the Director of Public Works or City Manager. Road closure requests shall be submitted at least 48 hours prior to the road closure. A meeting shall be held with the contractor, City Engineer, Public Works Director, Fire Chief, and Police Chief to make a determination if the road closure is necessary to complete the work. The Director may require the submission of a traffic control/detour plan that is designed by a traffic engineer and stamped by a Professional Engineer.

H. Permittees planning to occupy parts of a street or sidewalk on arterial or collector streets shall be required to meet with the City Engineer, Public Works Director, Fire Chief, and Police Chief prior to the issuance of a permit to discuss potential impacts from the activity. A list of arterial and collector streets is provided in Appendix A of this policy

I. Neither the City of Augusta nor the Greater Augusta Utility District are members of Dig Safe and do not receive automatic notification from Dig Safe regarding excavations that have been submitted to the Dig Safe organization. The permittee must contact the City of Augusta and the Greater Augusta Utility District of the intended excavation and allow the same amount of time for these entities to mark out their respective utilities outlined in the Dig Safe process.

J. In the event of an emergency, the permittee shall follow Dig Safe emergency procedures, outlined in the latest revision of the State of Maine Title 23, MRSA §3360-A. When permittees are excavating in emergency circumstances they may complete the work without obtaining an Excavation & Street Opening Permit. They are however, required to notify the Director as soon as possible and then obtain a permit after the emergency situation is corrected. The City reserves the right to determine what constitutes an emergency.

K. When working on an arterial, collector or when required by the Director, the permittee 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 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. The permittee shall be responsible for the cost of all traffic control including the traffic control plan.

L. The City shall have the right to inspect all aspects of the excavation process.

M. 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 permittee 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.

N. Failure of a permittee to follow the standards outlined in this policy, shall result in a written warning for a first offense and the permittee shall be required to make the repairs necessary to ensure compliance with the standards. If the permittee fails to make the repairs, the privileges of the permittee to obtain permits shall be revoked for a twelve (12) month period. Potential offenses could be, but are not limited to substandard work, excavation without permits, and failure to make repairs in a reasonable amount of time.

O. Maintenance of excavations within any City right-of-way shall be the responsibility of the permittee for 12 months from the date of final surface paving. Any settlement (greater than 1/2" as measured with the use of a straight edge of 10 feet in length) or other pavement defects such as de-lamination of pavement layers or the un-raveling of mix shall be deemed as unsatisfactory work by the permittee. If the permittee neglects or refuses to repair any substandard work within forty-eight (48) hours of notification by the City during the twelve (12) month period, the City will notify the owner of record that necessitated the excavation. Should neither party make the necessary repairs within forty-eight (48) hours of the second notification, the City shall make the necessary repairs and the owner of record shall be liable for the cost of said repairs. No additional street opening or excavation permits will be issued to the permittee or owner of record, until the City is reimbursed for the cost of the repair. Should an emergency situation arise that requires immediate repair to the excavation to prevent injury, death, or loss of existing vital service, the City will make the necessary repairs and the permittee and/or owner of record shall be responsible for such costs.

2. Excavation Standards

A. 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.

B. Certain types of pavement breakers may be prohibited by the City when the use endangers existing structures or other property or does not meet the trench finish requirements.

C. The permittee shall remove all granite curb or cobblestones in the way of excavations. If the City determines that these items need to be re-installed, the permittee will store and protect these items and will re-install them per City specifications. All excavated granite curb and cobblestones remain the sole property of the City. The permittee shall be responsible for any damage to the material during excavation or transportation.

D. The permittee shall be responsible for the cost to replace any pavement markings or traffic loops disturbed by the work. The repair or replacement work shall only be done by a contractor approved by the Director.

E. The maximum length of open trench in an excavation permissible at any time shall be two hundred (200) feet. No greater length is to be opened for pavement removal, excavation, construction, backfilling, repairing or any other operation without having installed pavement (base or temporary

pavement minimum) on previously excavated trenches. Exceptions to this may be made with the express written permission of the Director.

F. The permittee 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 permittee shall be responsible for the repair or replacement of any damaged trees.

3. Fees

A fee shall be charged for all excavations performed within the City right-of-way. These fees are to cover the City's inspection and administrative costs associated with the excavation and street opening permit program. The City will periodically review these fees. 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 accordingly. On large projects, the Director may request the services of a third party inspector to ensure compliance with the standards outlined in this ordinance. The costs associated with this third party inspector shall be the responsibility of the permittee. In such cases, the fee schedule associated with the permit shall be reduced to an amount mutually agreed upon.

Effective June 3, 2013, the fee unit cost is eighteen dollars (\$18.00) per square yard for paved areas including concrete and brick surfaces, six dollars (\$6.00) per square yard for gravel and other non-paved areas including grass areas, two dollars (\$2.00) per lineal foot of pipe or cable greater than or equal to six (6) inches in diameter installed by trenchless technologies such as drilling or augering (without an open excavation) and one dollar (\$1.00) per lineal foot of pipe or cable less than six (6) inches in diameter installed by trenching technologies such as drilling or augering (without an open excavation)."

4. Special Conditions

A. 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.

B. On streets where the pavement on such streets is in poor condition the City may waive up to one hundred percent (100%) of the total street opening fees to the permittee. The percentage of this waiver shall be based upon the estimated remaining life of the pavement.

C. There shall be no fee charged for utility pole installations. However, the excavated area must be cleaned up and restored as close to its original condition as possible.

D. The City shall waive street opening fees for work done under contract to the City or the Maine Department of Transportation.

E. No street opening permits, except for emergencies or for specially approved projects, will be issued during the winter (typically December 1st to March 15th) when the asphalt plants are closed unless specifically approved by the Director of Public Works.

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 may include proper guards or barricades, signs, traffic cones and traffic flaggers. All work to comply with OSHA regulations

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 workers as well as the public from hazard.

C. 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 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 travel way shall be barricaded in compliance with the latest MUTCD and OSHA 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 permittee 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 permittee's responsibility to secure the necessary permission and make all necessary arrangements for all required storage and disposal sites. The permittee shall also meet the Maine Department of Environmental Protection Best Management Practices for non point source pollution control.

D. Prior to any excavation, the permittee shall ensure that all property markers including Right of Way monuments that are within the excavation limits have been located and are properly protected. Any markers that have been disturbed during the excavation will be required to be re-installed by a Professional Land Surveyor. All costs associated with this work shall be the responsibility of the permittee.

6. Right to Inspect

A. The City shall have the right to inspect all aspects of the excavation process, which may include but is not limited to, the excavation of earth, backfilling, and placement of temporary and permanent pavement. When required by the City the permittee shall provide the following materials testing data;

1. Samples of materials used for aggregate road base or sub-base sufficient for testing requirements.
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 percent asphalt content of any HMA used on the project.

5. Thickness and density testing results of pavement on the project.

B. It shall be the duty of the permittee to guarantee and maintain the site of the excavation work in the same condition as it was prior to the excavation for twelve (12) months after the date the work is accepted by the City

C. The City shall have the right to revoke a street opening permit if any other necessary City, State or Federal permits have not been obtained, or if the permittee 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

Failure of the permittee to follow the standards outlined in this ordinance shall result in a written warning for a first offense and the permittee shall be required to make the repairs necessary to ensure compliance with the standards. If the permittee fails to make the repairs, the privileges of the permittee to obtain permits shall be revoked for a twelve (12) month period. Potential offenses could be, but are not limited to unsatisfactory work, excavation without permits, and failure to make repairs in a reasonable amount of time.

8. Newly Constructed and Paved Streets

To maintain the best travel surface feasible, there shall be no excavation on newly paved streets for a period of five (5) years except in emergency situations or for specially approved projects. If an excavation must be done within the five (5) year moratorium, the City may issue a permit and require special restoration to insure the disturbed area is returned to original or better condition. The moratorium can be waived by the City Manager upon recommendation by the Director of Public Works.

9. Backfill Methods

A. Backfilling in any street opening or excavation shall be compacted to a degree equivalent to, but not less than the undisturbed ground in which the trench was dug, or 95% of relative maximum compaction, whichever is greater. The excavated material shall be re-used as backfill material in order to maintain consistency and minimize differential frost heaving. In certain circumstances, the excavated material may not be suitable to use as backfill material. In such cases, a material with similar properties and characteristics shall be used. 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 latest MDOT and City specifications.

B. Backfill material shall be placed in lifts eight (8) to ten (10) inches. Lift thicknesses may be increased if it can be shown that density can be achieved with the equipment being used. Aggregate sub-base shall be twenty-one (21) inches for residential streets, twenty-one (21) inches for collector streets and twenty-seven (27) inches for arterial streets and aggregate base shall be three (3) inches for all streets. The Director may authorize a reduction in these amounts when the existing amounts in the surrounding un-excavated area are less than what is specified.

C. The City may require the permittee to provide soil tests performed by a recognized soil testing laboratory or registered Professional Engineer specializing in soil mechanics when the City deems necessary. 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 permittee. The City reserves the right to test the material, and if it does not meet specifications, the cost to remove and replace the material shall be borne by the permittee.

D. When backfilling is done by controlled density backfill, also known as flowable 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. 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 permittee shall prosecute with diligence and expedite the completion of the excavation work to restore the street as specified in section 9. The permittee 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 material when HMA is not available or HMA pavement at a minimum depth of two (2) inches for streets and one (1) inch for sidewalks and shall be installed the same day of the excavation. 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 reasonable rate of speed. All excavations shall be kept safe for pedestrian and vehicular traffic until the excavation has been permanently resurfaced. All cold patch material installed during winter excavations shall be replaced with permanent HMA no later than June 15 of the following year.

11. Surface Restoration

A. Permanent resurfacing of excavations in streets and sidewalks shall be the responsibility of the permittee. Resurfacing of small excavations shall normally be completed the same day the excavation is compacted to finish grade.

B. An additional twelve (12) 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.

The replacement of temporary pavement shall be done with HMA meeting the requirements of the latest MDOT and City specifications. Small excavations (less than one hundred (100) square yards) may be 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 inches. The thickness of pavement requirements are normally as follows; Arterials six inches, Collectors four inches and residential streets three inches. Arterials and collectors normally require two inches of surface pavement and residential streets normally require one and a half inches. The surface of the replacement pavement shall match the grade and type of the surrounding pavement.

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) lineal feet of cut. It is recommended that the final pavement cut be made just prior to paving in order to meet this standard. An approved 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.

When an area to be repaved exceeds one hundred (100) square yards, an additional 12" of pavement shall be milled at a depth of the required thickness of the surface pavement surrounding the repair area. Resurfacing shall be accomplished using self-propelled paving equipment complying with the latest MDOT and City specifications. The Director may require the surface of the new pavement to be infrared treated when completing permanent repairs. The infrared or other approved process if required shall be performed on arterials and collectors not less than six (6) months or more than twelve (12) months from the date of resurfacing.

When multiple patches are required in a distance of seventy-five (75) feet or less the applicant shall be required to grind a minimum of 1.5" inches and overlay the entire area including between the excavations and shall repave as one trench. In cases where the existing pavement is in poor condition the Director may modify or waive this requirement.

The surface joint of an asphalt patch for a street excavation that is parallel to the direction of travel shall not fall within the wheel path of a travel lane. In such cases the excavation shall be enlarged to the center of the lane or adjacent lane.

Feather joints shall not be acceptable for overlays of old patches. Repairs are to be made by grinding to the desired depth and then matching in with new pavement.

Care shall be taken to ensure the completed final layer of pavement shall match the surrounding grade, be smooth and continuous and shall not deviate more than 1/2" as measured with the use of a straight edge of 10 feet in length, and provide an overall smooth ride. Poor workmanship will not be acceptable and may require the work to be re-done.

C. Replacement of Portland cement concrete sidewalks shall meet the City of Augusta concrete sidewalk standards.

D. The restoration of existing grass areas, shall be to backfill with clean fill in compacted 12 inch lifts with the final four (4) inches back filled with a screened loam to match the existing surrounding grade. A grass mix approved by the City Arborist 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 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 for the excavation. All brick or concrete pavers damaged by the permittee shall be replaced in kind at the permittee's cost. 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 twelve (12) month period for damages relating to poor compaction and paver placement.

F. Repairs to bituminous and concrete curbing – bituminous and concrete curbing may be repaired without the use of an extrusion machine if the length of the repair is less than ten feet. If the length of the repair is greater than ten feet an extrusion machine shall be used. The Director reserves the right to require the removal and replacement of additional curb if the remaining sections of curb are short in length. The costs associated with this additional curb shall be the responsibility of the permittee.

G. Repairs to granite curbing – granite curbing shall be re-installed per the City of Augusta Granite curbing installation standards. Concrete embedment may be waived if the existing curbing is not embedded in concrete.

Appendix A - Federal Highway Administration Functional Classification of Augusta Streets

Arterial Streets

Bangor Street

Bond Street

Chandler Street

Civic Center Drive (from Mt. Vernon Avenue to UCL at North Augusta Market)

Cony Street (from Calumet Bridge to Cony Roundabout)

Eastern Avenue (from Hospital Street to UCL east of Cony Rd)

Memorial Drive

Mt. Vernon Avenue

North Belfast Avenue (from Bangor Street to Route 3)

Riverside Drive

State Street

Stone Street

Water Street (Bridge Street to Bond Street)

Western Avenue

Collector Streets

Armory Street

Arsenal Street (Cony Street to Eastern Avenue)

Bog Road (from Civic Center Drive to UCL at 183 Bog Road)

Bridge Street (from Water Street to State Street)

Capitol Street (from State Street to Gray Birch Drive)

Commercial Street

Cony Street (from Cony Roundabout to South Belfast Avenue)

Eastern Avenue (Arsenal Street to Stone Street)

Hospital Street

Leighton Road

Meadow Road

Northern Avenue (from Water Street to West River Road)

Old Winthrop Road (from Meadow Road to Western Avenue)

Sewall Street

South Belfast Avenue (from Cony Street to UCL at Cony Road)

Townsend Road

Water Street (from Bond Street to Northern Avenue)

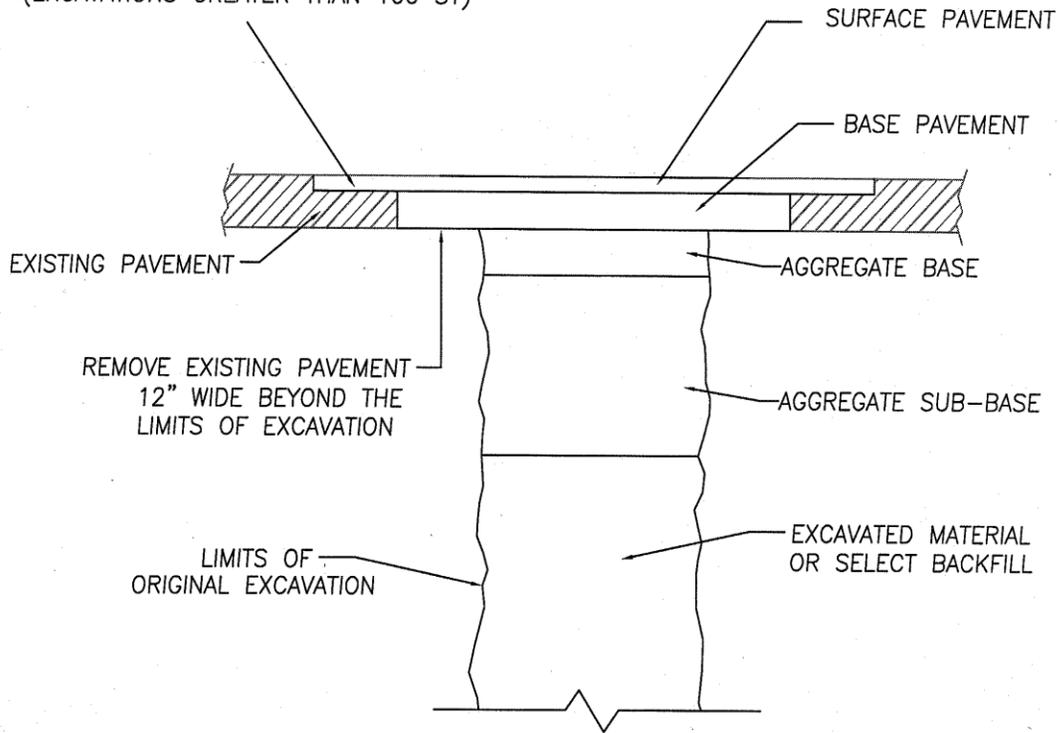
Water Street (from Memorial Circle to Bridge Street)

West River Road (from Northern Avenue to UCL at Patrick Street)

Whitten Road

Winthrop Street (from Water Street to Blaine Avenue)

GRIND EXISTING PAVEMENT
12" WIDE BY DEPTH OF
REQUIRED SURFACE PAVEMENT
(EXCAVATIONS GREATER THAN 100 SY)



DEPTH OF MATERIALS PER STREET CLASSIFICATION			
	ARTERIAL	COLLECTOR	LOCAL
PAVEMENT			
SURFACE	2"	2"	1.5"
BASE	4"	2"	1.5"
GRAVEL			
BASE	27"	21"	21"
SUBBASE	3"	3"	3"

NOTES:
 SURFACE PAVEMENT SHALL MEET MDOT 9.5mm HMA
 BASE PAVEMENT SHALL MEET MDOT 19.0mm HMA
 BASE GRAVEL SHALL MEET MDOT TYPE A GRAVEL
 SUBBASE GRAVEL SHALL MEET MDOT TYPE D GRAVEL

SHEET NUMBER: 1 OF 1	PROJECT: CITY OF AUGUSTA EXCAVATION & STREET OPENING ORDINANCE	SHEET TITLE: TYPICAL TRENCH REPAIR DETAIL		CITY OF AUGUSTA DEPARTMENT OF PUBLIC WORKS 55 NORTH ST AUGUSTA, ME 04330 PHONE: (207)626-2365 FAX: (207)626-2437
	PROJECT NUMBER: DRAWN BY: J. Dostie	SCALE: NONE		
	CHECKED BY:	NO.	REVISION:	BY