

# **Town of Burlington Department of Public Works**



## **Street Opening/Utility Connection Rules & Regulations**

*STREET OPENING/  
UTILITY CONNECTION  
RULES & REGULATIONS  
Revised January 1, 2009*

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## **I. PERMITTING AUTHORITY**

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In order to protect the integrity of all public rights-of-way, assure the protection of all structures within and adjacent to these rights-of-way, and provide optimum safety and convenience for the public; permission in accordance with the rules and regulations herein discribed must be obtained from the Department of Public Works hereinafter referred to as the “Permitting Authority”, before excavating or in any way disturbing public rights-of-way, or extending/connecting to a Town owned utility.

The Town of Burlington, Board of Selectmen hereby adopts these regulations January 1, 2003 and as revised:

- December 27, 2005
- January 1, 2008 – Renewed water services shall be installed from the dwelling to the water main, connections to “Black Iron” pipe prohibited.
- July 14, 2008 – Standardize Water Quality Inlets as Rinker Matl. Stormceptor
- January 12, 2009 – Trench Permits Required per 520 CMR 14.00.

## **II. APPLICATION FOR CONTRACTOR'S LICENSE**

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Permits to perform work within rights-of-way, open to the public, can be obtained only by licensed contractors. Licenses will be issued to those contractors who, in the opinion of the Permitting Authority, are deemed qualified through experience and have demonstrated by past performance the ability to undertake the scope of work covered by the license.

### **Categories of Work**

Three (3) categories of work are covered by the Utility Contractor's licenses, as follows:

1. *General Construction* - driveway, sidewalk, and curbing construction.
2. *Service Connections* – connection of property or dwelling services to utility main.
3. *Utility Main Construction* - extension of the Town's water distribution, sewer collection, storm water system, or other utility.

### **Requirements**

Prior to obtaining a contractor's license, the following information must be provided:

1. A listing of available equipment, previous projects, of similar size and scope, completed within the past three (3) years, and written references with contact information that may be contacted about these projects.
2. A street-opening bond of Ten thousand dollars (\$10,000) shall be obtained from a surety company licensed to do business in the Commonwealth of Massachusetts and approved by the Department of Public Works. The bond shall be valid and in full effect for the term of the license and shall bind the contractor to the faithful performance of the work in accordance with all applicable specifications of the Department of Public Works.
3. Trench Safety Application.
4. A certificate of insurance showing that the contractor has the minimum insurance as follows:

**Insurance**

**General Liability**

Includes: Comprehensive form Premises/Operations Underground Explosion & Collapse Hazard Products / Completed Operations Independent Contractors Broad Form Property Damage Personal Injury	Each Occurrence	\$1,000,000
	Aggregate	\$2,000,000

**Automobile Liability**

Includes: All Owned Vehicles Hired Vehicles Non-owned Vehicles	Bodily Injury & Property Damage Combined	\$1,000,000
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**Workers Compensation & Employers Liability**

As Required by State of Massachusetts	Each Accident	\$100,000
	Bodily Injury by Disease (Policy Limit)	\$500,000
	Bodily Injury by Disease (Each Employee)	\$100,000

**Additional Insurance / Requirements**

The Town of Burlington Shall be named as Additional Insured

## **Suspension of License**

The Permitting Authority reserves the right to suspend or revoke a contractor's license. Three (3) documented incidents of poor quality of work or unwillingness to comply with these regulations shall result in the suspension of license for one (1) year and three (3) years probation. Once on probation, one (1) documented incident of poor performance shall result in the suspension of license for one (1) year and three (3) years probation, to be added to (and not served concurrently with) the original probation.

Additionally, the authority may suspend, revoke, or refuse to issue a license if, in the opinion of the authority, the contractor is not adequately skilled or competent to undertake work under this license.

### **III. APPLICATION FOR PERMIT AND FEES**

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Permits and their associated fees are herein established for General Construction, Street Occupancy, and water or sewer service connections.

#### **GENERAL CONSTRUCTION**

These projects are defined as follows:

- Any street opening for underground work performed within the right-of-way
- Any street opening for underground work requiring more than two (2) separate cuts or trenches.
- Any installation of pipe or conduit greater than six inches (6") in diameter.
- Any street opening for underground work that affects more than fifty feet (50') of roadway, measured longitudinally.

#### **STREET OCCUPANCY / DRIVEWAY PAVING & APRONS**

This is defined as any work, which does not require excavation, but does require equipment to work or occupy area within the right-of-way (ROW). Examples of this type of work include but are not limited to:

- Driveway paving/widening
- Obstruction of a sidewalk
- Placement of equipment or materials on or adjacent to the road.

#### **Driveway Widening/Modification**

For the convenience of residents in Burlington seeking access to parcels of land located entirely in Burlington, the Engineering Department, in consultation with the Police Department, will issue permits to residents for curb cuts in residential neighborhoods and non-heavily traveled roadways. If a permit is denied for public safety reasons by the staff, the resident may petition the Board of Selectmen for a review of the decision rendered by staff. The decision of the Board in this matter shall be considered the final determination on the issuance of the permit. (General Bylaws XIII - 1.3)

*Roadways needing Board of Selectmen approval for curb cuts:*

Winn Street	Bedford Street	Wilmington Road
Francis Wyman Road	Lexington Street	Middlesex Turnpike
Terrace Hall Avenue	Mill Street	Skilton Lane
Peach Orchard Road	Prouty Road	

Permits to perform work on Cambridge Street must be obtained from Mass Highway as it is a state owned roadway. Please follow Mass Highway guidelines as shown in the MHD Guide book.

## **WATER/SEWER SERVICE CONNECTIONS**

Permits to connect to the Town's water and/or sewer system must be obtained from the Permitting Authority.

### **Sewer Services**

The property owner is responsible for the sewer service from the structure to the sewer main.

### **Water Services**

#### **Residential (individual household services 1" or smaller)**

The Town is responsible for work within the ROW (from the curb stop to the watermain). The Homeowner is responsible for work on private property (from the dwelling to the curb stop).

Renewed water services for new dwellings or "tear downs" shall be re-laid from the dwelling to the watermain using, at a minimum, 1" copper; connections to existing piping shall not be allowed without explicit permission from the Permitting Authority, but in any case connections to black iron pipe is prohibited

#### **Commercial**

The property owner is responsible for work from the building to the watermain.

## **STORM WATER CONNECTIONS**

All extensions of or connections to the Storm Water system shall comply with this document.

Storm drains, culverts and related installations, including catch basins, manholes, and curbing shall be installed as necessary to provide adequate collection and treatment of surface water from all streets within the project area. The storm water system shall be designed to the satisfaction of the Town Engineer

Any project that increases the impervious areas shall have a storm water management system, which shall be designed to mitigate any increases in rate and volume of storm water. The project's storm water management system shall be designed so as to not increase the peak rate of runoff or volume of storm water in the 2, 10, and 25-year storm events; the 100-year storm shall be evaluated to ensure no increased negative offsite impacts.

A storm water management system maintenance plan shall be required. This maintenance program must identify the parties responsible for the required maintenance.

The project's storm water management system shall comply with the Department of Environmental Protection's (DEP) Storm Water Management Policy and the requirements of these rules and regulations.

For purposes of standardization, water quality inlet Best Management Practice (BMP) intended to be owned and maintained by the Town shall be Stormceptor Units manufactured by Rinker Materials.

### **TRENCH SAFETY REGULATIONS**

All Utility Contractors must comply with 520 CMR 14 Excavation and Trench Safety.

### **FEES**

Street Opening	\$50
Water Connection	\$150*
Sewer Connection	NC **
Drain Connection	NC
Street Occupancy /	NC
Driveway Paving	
Trench Permit	NC

\* Fee for water service inspection only. Plumbing permits fees (Building Inspector) or Water Meter fees (DPW) may also apply.

\*\* Board of Health Sewer Permit must be obtained prior to applying for a sewer connection permit, please contact Board of Health for their fee structure.

## **IV. GENERAL CONDITIONS**

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### **Plan/Profile Requirements**

Before any permit is issued, a complete plan and profile may be required with the application, showing the following:

1. Location of proposed construction.
2. Exact location of all existing utilities within the proposed construction area that the proposed construction would cross.
3. Elevations of existing underground facilities crossed or connected to by proposed installations.
4. Elevations of proposed construction at all conflict (crossing) points.
5. Inverts at all proposed manholes or cleanouts.
6. Plan shall be at a horizontal scale of 1 inch = 40 feet (1" = 40') or greater.
7. Profile shall be at a vertical scale of 1 inch = 4 feet (1" = 4') or greater.

## **General Requirements and Restrictions**

1. Permits will only be issued to utility contractors licensed with the Town.
2. No street opening permits shall be issued between November 15 and April 1, except in case of emergency, as determined by the Permitting Authority.
3. No street opening permits shall be issued on newly constructed/paved roads for a period of five years (5) after the roadway is constructed or paved. If a newly constructed roadway is opened due to an emergency, at a minimum, the following items will be required:
  - The trench shall be backfilled with Controlled Density Fill (CDF). The CDF must be batched at a concrete plant, must be flowable, require no vibrating, and the finished product must be excavatable without the use of power tools.
  - After the trench work has been completed in accordance with the Town's specifications, the contractor shall restore the paved area as specified by the Permitting Authority. The pavement restoration methods shall require grind and inlay, infra-red treatment, or a complete curb to curb pavement overlay of the affected area.
4. If the proposed street opening for underground work affects more than fifty (50) feet of roadway area measured longitudinally, the Permitting Authority has the option of requiring grind and inlay, infra-red, or a complete curb to curb pavement overlay of the affected area.
5. Except in emergencies, work shall be limited to the hours of 7:00 AM to 5:00 PM. On primary streets work shall be limited to the hours of 9:00 AM to 4:00 PM unless approved by the Permitting Authority.
6. Except in emergencies, no work shall be allowed on Saturdays, Sundays and legal holidays. In addition, no new work shall commence on Fridays.
7. No opening or excavation in any street shall extend beyond the centerline of the street before being backfilled and the surface of the street temporarily restored.
8. No more than one hundred feet (100') measured longitudinally shall be opened in any street at any time, except by special permission of the Permitting Authority.
9. If the road patch starts to fail, the contractor must respond and repair the pavement on a primary street within four (4) hours of notification. On all other roadways, the contractor must respond within twenty-four (24) hours of notification, unless a safety hazard exists. If a safety hazard exists, the contractor must respond within four (4) hours of notification. If the contractor fails to respond within the required time, the Department of Public Works will repair the trench and bill the contractor for such repair.
10. Should it be determined by the Permitting Authority that work of an emergency nature must be accomplished by the Public Works personnel, the total cost of labor and materials shall be charged to the permit holder.
11. Unless permission is granted by the Permitting Authority, all work must be completed within seven (7) days of commencing the work on primary streets. Once the work is complete, the pavement shall be temporarily patched and the permanent trench patch shall be the following construction season, allowing the trench one year to settle.
12. All existing drainage facilities including, brooks, streams, canals, channels, ditches, culverts, catch basins, and piping, shall be adequately safeguarded so as not to impede

drainage or to cause siltation of downstream areas. If the contractor damages or impairs through circumstances beyond his control, any of the aforesaid drainage facilities, he shall repair the same within the same day.

13. No work, other than of an emergency nature shall be authorized during snow and ice storms and subsequent snow removal operations.
14. Access to private driveways and fire hydrants must be maintained during construction operations at all times.
15. The contractor shall be responsible for obtaining all permits required for his equipment, work force, or particular operations (such as blasting) in the performance of the work.
16. In granting any permit, the Permitting Authority may attach such other conditions thereto as may be reasonably necessary to prevent damage to public or private property or to prevent operation from being conducted in a manner hazardous to life or property or in a manner likely to create a nuisance. Such conditions may include but shall not be limited to:
  - limitations on the time of the year in which the work may be performed;
  - restrictions to the size and type of equipment ,which work within the right of way;
  - routes upon which materials and equipment may be transported;
  - location and manner of disposal of excavated materials;
  - requirements for dust control, street cleaning, noise prevention, or other activities that may be considered a nuisance; and
  - regulation as to the use of streets during the course of the work.

### **Pump sewer connection**

In order to obtain a sewer connection permit for a “pumped” sewer connection the applicant must provide a plan, specifications, and supporting calculations, stamped by a Professional Engineer, demonstrating that the system is adequate.

### **Abandonment of Utilities**

Town utilities and service connections may be abandoned in place upon approval of the Permitting Authority, subject to the following conditions:

- All pipes shall be sealed by installation of cap, bulkhead, or other means.
- Structures shall be filled and castings removed.
- Water services shall be turned off at the water main corporation.
- Gate boxes shall be removed.

### **Testing**

#### *Water Mains*

1. A licensed independent contractor, approved by the Permitting Authority, must pressure test, disinfect, flush, and perform bacteriological sampling and testing of the new water main.
2. Following or during the pressure test, the Contractor shall make a leakage test by metering the flow of water into the pipe while maintaining in the section being tested a pressure equal to the pressure rating of the pipe. If the average leakage during a two-hour period exceeds a

rate of 11.6 gallons per inch of diameter per 24 hours per mile of pipeline, the section shall be considered as having failed the leakage test.

3. Testing shall be done by a certified laboratory approved by the Permitting Authority, in accordance with Standard Methods, and shall show the absence of coli form organisms. A standard plate count shall be performed by the certified laboratory.
4. An officially signed original paper copy of the results of the disinfection, bacteriological sampling, and laboratory test results shall be submitted to the Town Engineer prior to any new pipeline being put into service.

*Sewer Mains*

1. On completion of a section of sewer, including building connections installed to the property line, the Contractor shall install suitable bulkheads as required, dewater and test the sewer for leakage.
2. Unless otherwise approved, the section shall be tested using low pressure air test procedures. If circumstances permit, the Town Engineer may require testing by infiltration or exfiltration.
3. If either infiltration or exfiltration testing is permitted by the Engineer, the test shall be conducted for at least 24 hours. The amount of infiltration or exfiltration shall not exceed 100 gallons per inch-diameter per mile of sewer per 24 hours.
4. A low pressure air test, if conducted, shall be performed as follows:
  - Low pressure air shall be introduced into the sealed line until the internal air pressure reaches 4 psi greater than the maximum pressure exerted by the groundwater that may be above the invert of the pipe at the time of the test.
  - At least two minutes shall be allowed for the air pressure to stabilize in the section under test. After the stabilization period, the low pressure air supply hose shall be quickly disconnected from the control panel. The time allowed in minutes for the pressure in the section under test to decrease from 3.5 to 2.5 psi (greater than the maximum pressure exerted by the groundwater that may be above the invert of the pipe) shall not be less than that shown in the following table:

Pipe Diameter (inches)	Time (minutes)
6	3.0
8	4.0
10	5.0
12	5.5
15	7.5
18	9.0
21	10.0
24	11.5
27	13.0

### *Sewer Manholes*

1. Inspect for visible leakage after backfill with ground water at normal level.
2. Locate visible leakage inside manhole.
3. Repair leaks.
4. Each manhole shall undergo a vacuum test as specified below.
  - Each manhole shall be vacuum tested immediately after assembly and prior to backfilling.
  - All lift holes shall be plugged with an approved non-shrink grout.
  - Stub-outs, manhole boots, and pipe plugs shall be secured to prevent movement while the vacuum is drawn.
  - Installations and operation of vacuum equipment and indicating devices shall be in accordance with manufacturer's recommendations.
  - A vacuum of 10 inches Hg (4.9 psi) shall be drawn and the vacuum pump shut off. The test shall pass if the vacuum remains at 10 inches of Hg or drops to 9 inches Hg (4.4 psi) in a time greater than one minute.
  - If the manhole fails the test, necessary repairs shall be made and the vacuum test and repairs shall be repeated until the manhole passes the test.

### **Maintenance of Traffic**

1. Two-way traffic must be maintained at all times. If work is not complete at the end of the day, the travel lane must be reopened to traffic for overnight use either by placement of a temporary patch or a road plate of sufficient size to completely cover the street opening.
2. All open excavations shall comply in accordance with Chapter 82A of the Massachusetts General Laws 520 CMR 14 Excavation & Trench safety regulations.
3. All excavated material shall be placed so that vehicular and pedestrian traffic may be maintained at all times. If the excavation becomes a hazard or if it excessively restricts traffic at any point, then special construction procedures shall be taken, such as limiting the excavation and prohibiting stockpiling material in the street.
4. All street excavations shall be completely closed at the end of each work day. Backfilling or use of steel plates of adequate strength to carry traffic shall be used.
5. If uniformed police officers are required on site by the Police Department, they shall be provided at the contractor's expense.
6. Safety and traffic control methods, types of signs, warnings, lights, and barriers shall be provided by the contractor, and shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices.

## **Detours**

1. All detours must be approved by the Chief of Police and the Permitting Authority. The contractor shall supply a Traffic Management Plan clearly showing the location of work, the detour route, and the location and wording for all traffic signage.
2. Safety and traffic control methods, types of signs, warnings, lights, and barriers shall be provided by the contractor, and shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices.

## **Cleanup and Property Restoration**

1. The contractor shall frequently cleanup all refuse, debris, and other material generated by his operations. The site of the work and the adjacent areas affected thereby shall at all times present a neat, orderly and workmanlike appearance.
2. The contractor must employ at all times during the progress of his work adequate safety precautions to prevent injuries to persons or damage to property. The contractor shall provide adequate material, equipment and labor to correct any and all areas deemed unsafe by the Permitting Authority.
3. Where material or debris has washed or flowed into or has been placed in existing water courses, ditches, gutters, drains, pipes, structures, such materials or debris shall be entirely removed and satisfactorily disposed of during progress of the work and the ditches, channels, drains, pipes, structures, and work shall, upon completion of the work, be left in a clean and neat condition.
4. The contractor shall restore or replace, when and as directed, any property damaged by his work, equipment or employees to a condition at least equal to that existing immediately prior to the beginning of operations. To this end, the contractor shall do, as required, all necessary highway or driveway, walk and landscaping work. Materials, equipment, and methods for such restoration shall be as approved by the Permitting Authority.
5. The contractor shall replace loam, grass, and plantings that existed prior to the work. Also, the contractor shall repair any walls, curbing, walks or other structures damaged during his work, back to the original condition.
6. Before the work is deemed to be complete by the Department, the contractor shall perform a final cleanup to bring the construction site to its original condition.

## **Miscellaneous**

The Department of Public Works will not issue a Street Opening Permit for any street within an active subdivision. It is the responsibility of the contractor to obtain permission from the subdivision owner, for any such street openings. An "active subdivision" is one that the Planning Board has not yet certified as fully meeting the conditions and requirements of the approved subdivision plans and/or one with respect to which the Town continues to hold any surety for the performance of the developer's obligation under such a plan.

## V. SPECIFICATIONS

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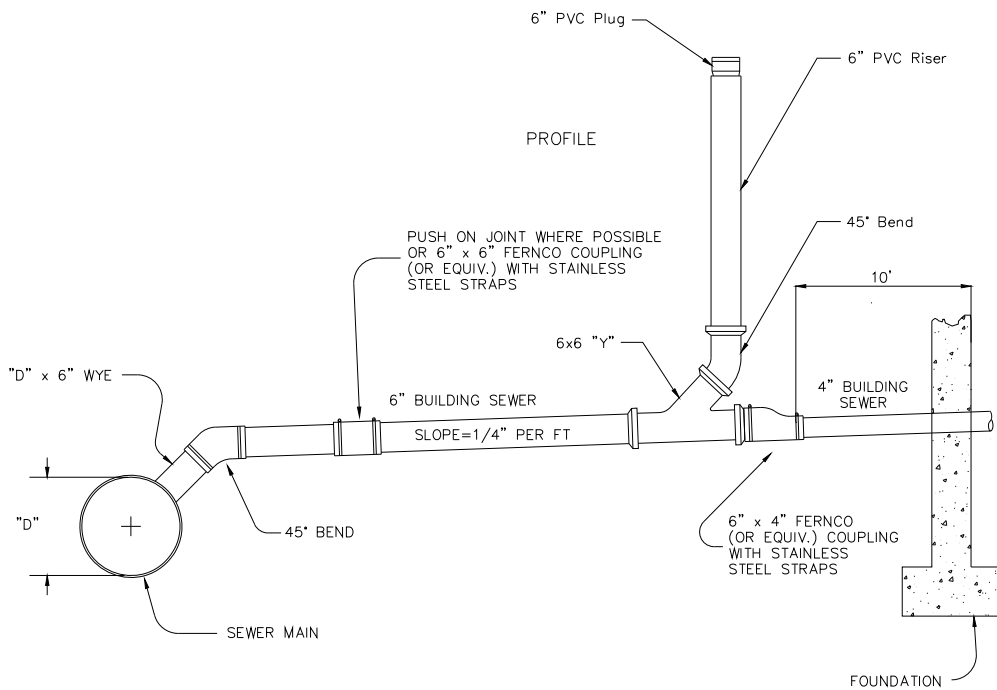
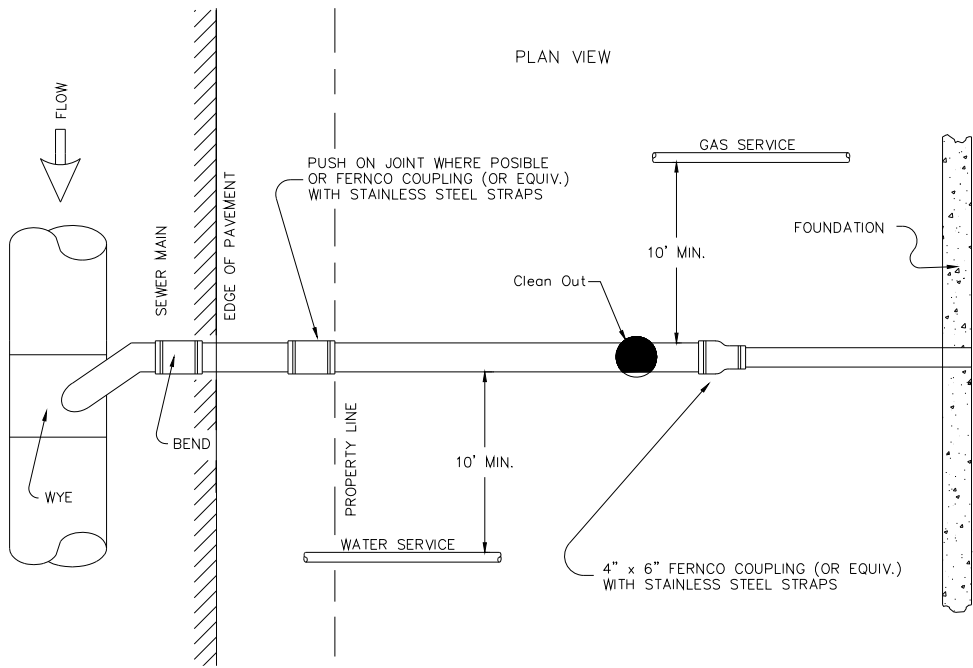
### Construction Methods & Materials

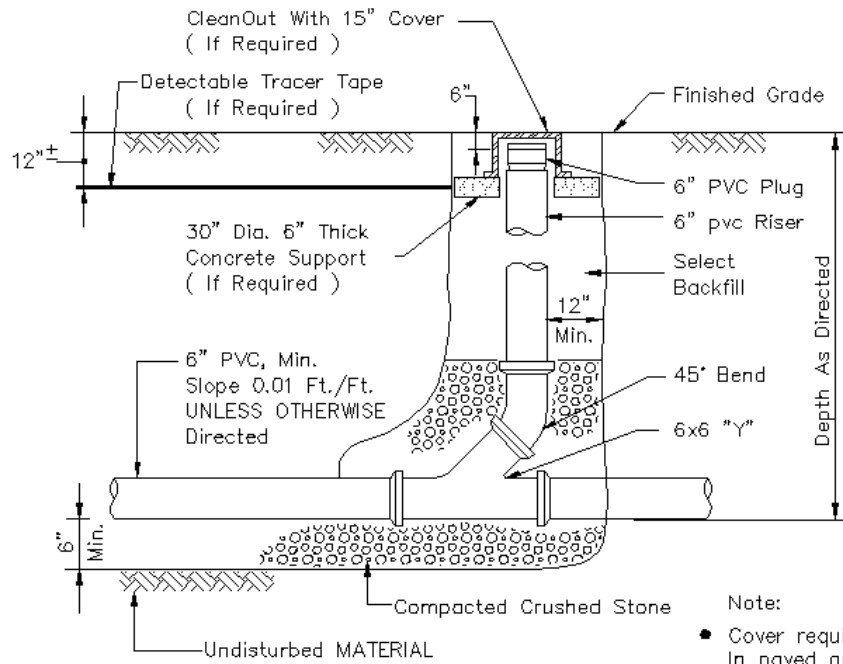
All work and material shall comply in all respects to the Massachusetts Highway Department (MHD) "Standard Specifications for Highways and Bridges" 1995 Edition or later. In addition, the following list of materials required by the Town for purposes of standardization:

- All gate valves shall be "open-left"
- All hydrants shall be "open-left"
- All gate boxes shall be North American made, Tyler or approved equal.
- All water service corporations, curb-stops, and fittings shall be Mueller or approved equal.
- All water mains shall be Cement Lined Ductile Iron (CLDI) class 52.
- All sewer main shall be PVC SDR 35.
- All Water Quality Units (intended to be owned by Town) shall be Rinker Material Stormceptor Units.
- All drain lines shall be Reinforced Concrete Pipe.
- All catch basin grates shall be Town of Burlington standard Lebaron LF248-2
- All manhole covers shall be Town of Burlington standard Lebaron LT105

The contractor shall submit six copies of shop drawing/specifications for all materials used to the Town Engineer for approval prior the start of work. The contractor shall schedule a pre-construction meeting with the Town Engineer prior to the start of work.

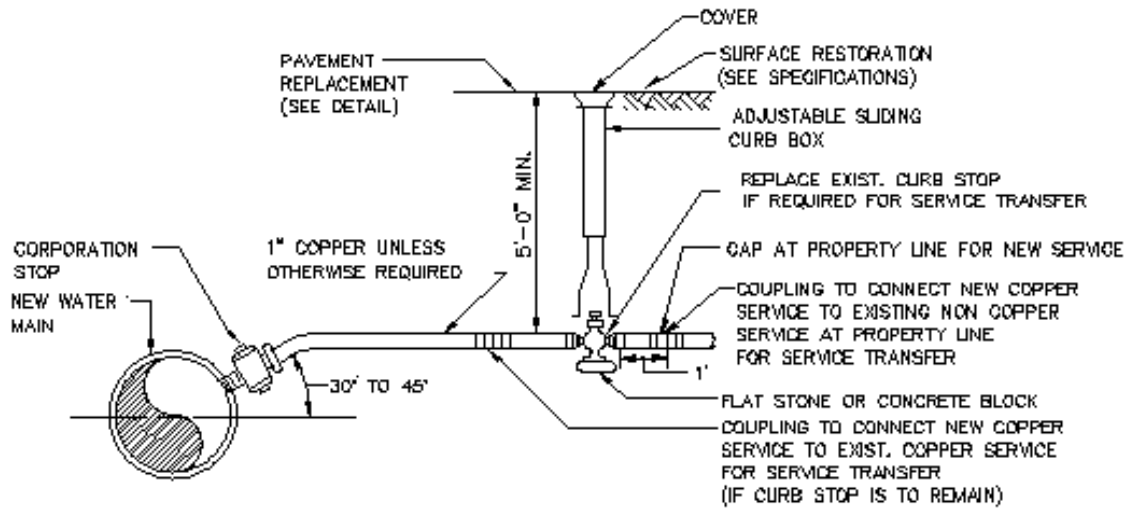
# VI. STANDARD DETAILS





- Note:
- Cover required In paved areas
  - Bury 4" below Finished grade In grassed areas

**CLEANOUT DETAIL**  
N.T.S.



NOTE: PROVIDE SADDLE FOR ALL AC AND PVC  
MAINS AND ALL 2" OR LARGER STOPS

**WATER SERVICE DETAIL**  
N.T.S.

## VII. UTILITY PERMIT APPLICATION

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Town of Burlington Engineering Division  
25 Center Street  
Burlington, MA 01803  
Phone 781-270-1640 Fax 781-238-4693  
<http://www.burlington.org/engineering/engineering.htm>

### Street Opening/Utility Permit Application

*Bring this completed form into the Engineering Office with a sketch showing what you will be doing to obtain a Street Opening/Utility Permit.*

Type of Permit:      Street Opening            Trench Permit        
                                 Sewer Permit            Driveway Permit        
                                 Water Permit     

Location of work to be done:

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Contractor doing the work:

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Contact Name and Phone Number:

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Purpose of project:

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Length and width of any digging in the street:

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Digsafe Number:

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**Town of Burlington Engineering Division**  
25 Center Street  
Burlington, MA 01803  
Phone 781-270-1640 Fax 781-238-4693  
[www.Burlington.org](http://www.Burlington.org)

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**Municipal Stormwater Connection Hold Harmless Agreement**

\_\_\_\_\_  
(Date)

To Whom It May Concern::

I \_\_\_\_\_ of \_\_\_\_\_ take  
(Homeowner's Name) (Address)

all responsibility and will not hold the Town of Burlington responsible for any problems related to my entering into the Town's catch basin/storm drain. I am aware that if a problem should arise with the Town's drainage lines I could get water backup in my house through the sump pump/drainage connection.

\_\_\_\_\_  
(Homeowner's signature)

**VIII. UTILITY CONTRACTOR'S LICENSE APPLICATION**

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**APPLICATION FOR  
UTILITY CONTRACTORS LICENSE**

Name \_\_\_\_\_  New  
Address \_\_\_\_\_  Renewal  
Telephone \_\_\_\_\_

Emergency Contact:  
Name \_\_\_\_\_  
Telephone \_\_\_\_\_

Category of Work

	General	<input type="checkbox"/>
	Service Connection	<input type="checkbox"/>
	Utility Main Construction	<input type="checkbox"/>

OFFICE USE ONLY –

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Trench Safety Application   
Certificate of Insurance   
Street Opening Bond   
List of References   
(New Applications Only)

Approved By \_\_\_\_\_ Date \_\_\_\_\_

## IX. TRENCH PERMIT APPLICATION

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Town of Burlington Engineering Division  
25 Center Street  
Burlington, MA 01803  
Phone 781-270-1640 Fax 781-238-4693  
<http://www.burlington.org/engineering/engineering.htm>

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### Trench Permit

*Pursuant to GL c82A subsect. 1 and 520 CMR 7 et seq. (as amended). This permit must be fully completed prior to consideration.*

By signing this form, the applicant/excavator all acknowledge and certify that they are familiar with, or, before commencement of the work, will become familiar with, all laws and regulations applicable to work proposed, including OSHA regulations, G.L. C. 82A, 520 CMR 7.00 et seq., and any applicable municipal ordinances, by-laws and regulations and they covenant and agree that all work done under the permit issued for such work will comply therewith in all respects and with the conditions set forth below.

The undersigned agrees to reimburse the municipality for any and all costs and expenses incurred by the municipality in connection with this permit and the work conducted thereunder. Including but not limited to enforcing the requirements of state law and conditions of this permit, inspections made to assure compliance therewith, and measures taken by the municipality to protect the public where the applicant has failed to comply therewith including police details and other remedial measures deemed necessary by the municipality.

The undersigned applicant, agrees to defend, indemnify, and hold harmless the municipality and all of its agents and employees from any and all liability, causes or action, costs, and expenses resulting from or arising out of any injury, death, loss, or damage to any person or property during the work conducted under this permit.

Name of Applicant \_\_\_\_\_  
Address \_\_\_\_\_  New  
Telephone \_\_\_\_\_  Renewal

MA Hoisting  
License # \_\_\_\_\_  
License Grade \_\_\_\_\_  
Expires \_\_\_\_\_

Competent Person  
Name \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

## X. UTILITY REGULATION SUMMARY

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### Street Opening

- Can be obtained only by licensed contractors. (Pg.2)
- Issued between **April 1 thru November 15**, (winter shutdown) (Pg.7)
- **Driveway paving** need permit (no charge)

### *Curb cuts needing Board of Selectmen approval:*

Winn Street	Bedford Street	Wilmington Road
Francis Wyman Road	Lexington Street	Middlesex Turnpike
Terrace Hall Avenue	Mill Street	Skilton Lane
Peach Orchard Road	Prouty Road	

Permits to perform work on **Cambridge Street** must be obtained from MassHighway Dept.(Pg. 5)

### Water & Sewer Services (Pg. 6)

#### **Sewer Services**

- Property owner responsible from the structure to the sewer main.
- Cleanouts 10' from foundation

#### **Water Services**

*Residential* - The Town is responsible for water service within the ROW (**1" or smaller** ).

*Commercial* - property owner is responsible for work from the building to the watermain.

- New services shall be **1" copper**.
- Water service connections to **black iron pipe** is prohibited.
- **Abandoned services** shall be turned off at the water main corporation.

### Stormwater /Drainage Connections (Pg. 6)

- Stormwater connections shall comply with DEP'S Storm Water Management Policy
- Drain/Sump Pump Connections require permit and homeowner signoff
- Connections only at structures, direct taps to drainline not allowed.

### Water & Sewer Main Testing

- Water Mains – 150psi, 2 hours (Pg.9)

- Sewer Mains - 4 psi, time varies (Pg. 10)
- SMH - Vacuum 4.9 psi, 10 minutes (Pg. 11)

### **Construction Methods & Materials (Pg. 13)**

- Gate valves & hydrants- “open-left”
- Gate boxes Tyler or approved equal.
- Water main- Cement Lined Ductile Iron (CLDI) class 52.
- Sewer mains- PVC SDR 35.
- Drain lines - Reinforced Concrete Pipe class IV
- Water Quality Units - Rinker Material Stormceptor Units.
- Catch basin grates - Lebaron LF248-2
- Manhole covers - Lebaron LT105

### **Obtaining a Permit**

#### **Sewer Connection**

- Sewer Permit BOH
- Utility/Street Opening Permit – Eng Div
- Sketch/Cleanout 10’ from Foundation
- Sewer Allocation
- Stone Bedding ( 6” crushed stone)
- Inspection - Ball Test – Photos to network
- As-built / Permit Signoff / input into permit system

#### **Water Service Connection**

- Utility/Street Opening Permit – Eng Div
- Sketch
- Inspection Photos to network
- As-built / Permit Signoff / input into permit system

#### **Drain/Sump pump Connection**

- Utility/Street Opening Permit – Eng Div
- Homeowner signoff
- Sketch
- Inspection - Photos to network
- As-built / Permit Signoff / input into permit system