

**City of Saint Paul**

**Department of Public Works**

**Standard Specifications for**

**Constructing and Repairing Private Sewer**

**Connections**

Standard Specifications for

Constructing and Repairing Private Sewer

Connections

I hereby certify that this specifications was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Richard O. Ekobena

**Date: 09-20-2012**

**License No. 47180**

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Standard Supplemental Specifications for Construction

**Appendix B:** City of Saint Paul, Minnesota, Department of Public Works,  
Standard Specifications for Street Openings



# **City of Saint Paul Standard Specifications for Constructing and Repairing Private Sewer Connections**

## **1.00 GENERAL**

### **1.01 INTRODUCTION**

Part II – Legislative Code, Title XXIX – Licenses, Chapter 338 – House Sewer Contractor, and these specifications, rules, regulations and conditions as herein set forth shall govern the construction and repair of connections to the City of Saint Paul’s public sewer system or outlet. They are primarily directed towards House Drain Contractors; but also apply to homeowners, plumbers, city forces and others doing construction or repairs to private connections to the St. Paul sewer system and apply to the entire length of the sewer service connection. In the event of any conflict between the City of St. Paul Legislative Code and the Specifications contained herein, the City of St. Paul Legislative Code shall be the ruling authority.

A permit issued by the City of St. Paul, Public Works, Sewer Utility is required for any construction or repairs of connections to the City of St. Paul’s public sewer system or outlet. Work performed under the permit must comply with the specifications set forth herein. Only a Licensed House Drain Contractor may perform such work within the City Right-of-Way.

All House Drain Contractors performing sewer work within the City Right-of -Way shall conduct such work in accordance with these specifications. No variations from these specifications will be permitted except by official written notice from the Sewer Utility to all House Drain Contractors or by an individual variance that may be granted on a case-by-case basis by the Sewer Utility.

## 1.02 DEFINITIONS

**House Drain Contractor:** The term "House Drain Contractor" also referred to in these specifications as "House Sewer Contractor", "Sewer Service Contractor" or "Contractor" is understood to mean any person licensed by Saint Paul's Department of Safety and Inspections to construct or repair that portion of the house or building sewer extending from within the property line to the public sewer or outlet. Any company engaged in this work must have at least one licensed House Drain Contractor employed. A license holder is responsible for training his company's work crews and supervising their work so it complies with the requirements of these specifications. The crew doing the permitted sewer work within the City Right-of-Way must be under the direct supervision of the license holder.

**DSI:** Saint Paul's Department of Safety and Inspections

**IBC:** International Building Code

**IRC:** International Residential Code

**Homeowner:** A homeowner is defined in these specifications as a person who owns and actually occupies their property as their principal residence. Homeowners may install or repair sewers on their property after receiving a permit from the Sewer Utility. A homeowner is not allowed to work outside the limits of their property.

**Paving Connection:** A paving connection is a section of sewer lateral constructed from the public sewer towards a lot and usually extends to the property line. It is owned and maintained by the City until a property owner connects to it, at which time ownership of the paving connection transfers to the property owner.

**Person:** Any individual or entity. The masculine gender shall include the feminine; the singular shall include the plural where indicated by the context.

**Public Sewer:** A sanitary or storm sewer in which all owners of abutting properties have equal rights to and which is owned and controlled by the City of Saint Paul. A public sewer generally has more than one private service connected to it.

**Private Sewer Connection:** A private sewer connection extends from the foundation or upstream end within the private property to and including its connection to the public sewer or other outlet. It is also known as a house sewer connection, sewer lateral or sewer service connection.

**Right-of-Way:** The Right-of-Way or ROW is platted public land which often includes the public street, boulevard and sidewalk.

**Sleeving (also referred to as slip lining or inserting):** The process of pushing a smaller (usually 4-inch min) pipe through an existing larger host pipe.

**Specifications:** Any and all requirements of the City of Saint Paul Standard Specifications for Constructing and Repairing Private Sewer Connections.

### **1.03 AUTHORITY**

The Saint Paul Legislative Code, Part II-Legislative Code, Title X - Sewers and Drains, states the following:

**Chapter 76.05: Supervision by Director:** The Director of the Department of Public Works shall take the general supervision of all sewers and their connections, which now or hereafter may be built by the City, or which may be permitted to be built under his authority, and shall take charge of the building repairs of the same, and all matters in connection with the sewage of the city.

**Chapter 76.13: Inspection, etc.:** The Director of Public Works, or duly authorized agents, shall have the right to enter upon the premises drained by any house drain

and connected with any public sewer, at all reasonable hours, to ascertain whether the provisions of this or any ordinance in regard to house drains have been complied with, and if they shall find that said drain or its attachments do not conform to the provisions of law in regard thereto, he shall notify the owner of said premises or their agent of this fact. It shall thereupon be the duty of said owner or their agent to cause said drain or its attachments to be so altered, repaired or reconstructed as to make them conform to the requirements of law in regard thereto, within fifteen (15) days from the time of receiving such notice.

#### **1.04 SCOPE**

These specifications provide for all matters concerning the regulation of construction quality and performance of private sewer connections and to ensure a standard of workmanship. In the event of any conflict between these specifications and the Saint Paul Minnesota Charter and Legislative Code, the Saint Paul Minnesota Charter and Legislative Code shall be the ruling authority.

#### **1.05 AMENDMENTS AND ADDITIONS**

Amendments, changes, modifications or additions to this manual of instructions and specifications will be explained and set forth by the Sewer Utility in a letter sent to all licensed House Drain Contractors. All such letters of change will be dated. The date that the new specifications shall become effective will be stated in the letter of notification.

#### **1.06 DRAINAGE FOR EVERY BUILDING**

The drainage and plumbing system of each new building and of new work installed in an existing building shall be separate from and independent of that of any other building, except as provided below, and every building shall have an independent connection with a public sewer when available.

Where a building stands in the rear of another building on an interior lot and access to a public sewer is not available, the Sewer Utility, with the approval of the DSI Building Official, may grant permission to extend the house drain from the front building to the rear building and the whole will be considered as one house drain. The extension of the house drain from the front building to the rear building shall include cleanouts on the inside of the building wall of each building.

There is a special provision for condominiums built under the IRC. Separate services from the outside of the building may be connected to a common private main if fronting on a public street. Regardless of whether a housing project uses IRC (R-3) or IBC (R-2) if the project is for any building or multiple buildings resembling row houses up to three stories and there is street or sewer easement frontage, each unit shall have a separate sewer service extending outside the building foundation. If the project proposes any building or buildings of multiple stories where there are dwelling units above other units, one common sewer per building is permissible.

## **1.07 PAYMENTS REQUIRED FOR CONNECTION**

The Sewer Utility shall not grant to any person, firm, corporation or association a permit to connect to any sewer of the City of Saint Paul unless the clear water charge, Sewer Availability Charge and current annual installment of any assessment for sewer construction, levied against the subject land as shown by the pertinent public records in the Real Estate Division of the Office of Financial Services have been fully paid.

Part II-Legislative Code, Title X - Sewers and Drains, Limitation of Assessment of Benefits; Larger Tracts, Corner Tracts, states the following:

### **1.07 (a) Regular Assessments (St. Paul Legislative Code Chapter 76.02):**

Where a large tract of unplatted land or platted land assembled into a single tract by vacation of streets, alleys, or otherwise constituting an area in excess

of 10,000 square feet is involved, any assessment of benefits thereon for an existing abutting sewer, for the purposes hereof, shall be deemed limited to a depth of 150 feet from the front line of any such tract, and where a corner tract or platted land is involved and any such assessment of benefits was reduced because of such location, the assessment of benefits shall be deemed limited to the width of any such tract or parcel, or (50) feet, whichever is the lesser.

**1.07 (b) Connection Charge; Exceptions (St. Paul Legislative Code Chapter 76.03):**

Where any tract of land has not been assessed for any existing abutting sanitary sewer and has been excepted from the levy of the assessment for the same, and a new sewer has not been built for which it may be assessed, no permit shall be granted to connect such tract of land with the city sanitary sewer except upon payment of a connection charge in the amount of twenty-five dollars (\$25.00) per assessable front foot to a depth of one hundred fifty (150) feet; except that where a public sewer has been built under private contract and paid for by one (1) or more owners of land thereby served or provided to be served under a permit authorized by the city council, and in accordance with conditions specified in such permit, in any such case a permit shall be granted to connect all or any of the land which such sewer is intended to drain and which abuts on such sewer without payment of a connection charge.

**1.07 (c) Clearwater Connection Charge:**

A clearwater connection permit is required before clearwater is connected to a storm sewer. Clearwater is defined as condensate water, cooling water, uncontaminated waste water, and excludes storm or rainwater runoff. It is the Contractor's responsibility to specify a clearwater connection permit when requesting a permit, rather than a storm water connection permit. No clear water connection permit shall be granted until the clearwater connection

charge is paid in full. This charge shall be computed in accordance with Saint Paul Legislative Code, Chapter 76.28.

## **1.08 CONNECTION CROSSING PROPERTY OWNED BY OTHER**

If it becomes necessary for a property owner to build a part of his sewer connection on or across private property owned by another, or across a parcel described for an address of another building owned by the same party, the person desiring to build such a connection must submit proof to the Sewer Utility that an easement for construction, operation and maintenance has been granted by the owner of the property that is crossed by the sewer connection. Such proof shall consist of an easement legally conveyed by an appropriate document, registered in the Office of the Register of Deeds, and added to the abstract of the neighboring property that will run forever with said property.

## **2.00 LICENSED HOUSE DRAIN CONTRACTORS**

### **2.01 BOARD OF EXAMINERS**

There shall be a Board of Examiners consisting of seven members. The Public Works Director, who shall be its chair, the Chief Engineer, the Sewer Engineer, a House Sewer Inspector who shall serve as secretary of the Board of Examiners and three House Sewer Contractors actively engaged in such business.

The Director shall appoint the House Sewer Inspector and the three House Sewer Contractors to the Board of Examiners. Said appointed members shall hold office until the first day of May following appointment and shall serve without compensation.

## **2.02 BOARD MEETINGS**

The Chairperson of the Board or any two Board members shall be empowered to call a meeting of the Board whenever, in their opinion there are any questions involving an applicant's qualifications. The Chairperson may also call a meeting for the purpose of reviewing the work record of each licensed House Drain Contractor as their licenses come up for renewal. The Board shall then make a recommendation to renew or deny the license of any Contractor who has a record of violations or problems. A quorum shall require at least two licensed House Drain Contractors and two Sewer Utility employees. It shall be the duty of the Secretary of the Board of Examiners to keep a record of the acts and proceedings of the Board. The Secretary shall also keep a written record of each licensed House Drain Contractor's problems, complaints and deficiencies.

## **2.03 NEW APPLICATIONS**

A person desiring to become a House Drain Contractor in the City of Saint Paul shall make application to the House Sewer Inspector at the Sewer Utility, 700 City Hall Annex, 25 West 4<sup>th</sup> Street, St. Paul, MN 55102.

Part II-Legislative Code, Title XXIX-Licenses, Chapter 338 - House Service Contractor states the following:

### **2.03 (a) Licensee Qualifications:**

Any person who has had at least three (3) years' experience in responsible charge of sewer work involving the knowledge of trenching, bracing and pipe laying in public streets and all other matters pertaining to and incidental to such sewer work, is eligible to receive a license after having passed examination by the board of examiners and satisfying all requirements of this chapter.



**2.03 (b) Examination by Board:**

Following a test given by the Inspector, the Board of Examiners shall examine the applicant as to his practical knowledge of the work required for the construction of sewer connections and on his knowledge of the specifications, rules and ordinances governing the work of constructing sewer connections. If applicant meets the experience requirements, passes the written portion of the exam, and if the Board is satisfied as to the competency of such applicant, the Board may recommend to the Inspector that a license be issued.

A license will be issued if DSI approves the application, execution and filing of the bond and insurance requirements has been completed and payment of a license fee has been made. The license issued to the applicant shall authorize him to engage in the business of a House Drain Contractor.

**2.03 (c) Fail to Pass Examination:**

The Contractor's test is closed book and requires a passing score of 70%. Should the applicant fail to pass the examination, he may file a new application and take a second examination. Should he fail the second examination, the applicant will not be eligible for another examination for a period of one year from the date of last examination, at which time he may file a new application.

**2.04 BOND AND INSURANCE**

Part II-Legislative Code, Title XXIX - Licenses, Chapter 338.03 Application, eligibility, bond and insurance, states the following:

**2.04 (a) Bond:**

Before a House Drain Contractor shall be allowed to engage in business, he shall furnish a surety bond to the Department of Safety and Inspections of the

City of Saint Paul in the sum of ten thousand dollars (\$10,000.00) in a form acceptable to the City Attorney, which bond shall be so conditioned to guarantee that such work as the House Sewer Contractor is to be permitted to perform shall be in accordance with ordinances governing this class of work, and in accordance with specifications, rules, regulations and conditions prescribed by the director of public works. Said bond shall be further conditioned to protect and save harmless the City of Saint Paul from any and all liability, damage and expense which said city may sustain by reason of authorizing such permit work.

#### **2.04 (b) Insurance:**

In addition to Part II-Legislative Code, Title XXIX - Licenses, Chapter 338.03, paragraph (c) Before a license is issued, all insurance requirements of the Department of Safety and Inspections shall be met. In the event that the bond or insurance should be canceled, expire, or in any way no longer in affect, the Contractor's license will be held as invalid until proof of approved bond or insurance is again furnished. No work will be allowed during the interim.

#### **2.05 LICENSE FEE**

Each license is for one year and expires on the anniversary of the date when the license was issued. DSI determines the annual fee. A license allowed to expire may be reinstated with a penalty of 10% per month, or any portion thereof, up to a maximum of 50% of the current annual license fee (St. Paul Legislative Code Chapter 310.09 (d)). A license which is expired for more than one year will not be reinstated and the Contractor must apply for a license as described under Section 2.03 "New Applications".

## **2.06 LICENSE NOT TRANSFERABLE**

A House Drain Contractor's license is not transferable. No person holding a license shall allow their name to be used by any other person or company for the purpose of obtaining permits or to do any of the work for which said license is required. A licensed House Drain Contractor may not sublet any sewer work in the street, alley or easement right-of-way. The Contractor or persons currently in their regular employ must do all such work.

## **2.07 CAUSE AND POWER TO REVOKE LICENSE**

The Saint Paul City Council has the power to revoke any license with or without recommendation of the Board of Examiners upon satisfactory proof that the license holder has willfully violated any of the provisions of these specifications, or failed to comply with any of the specifications, rules, regulations, ordinances or conditions prescribed from time to time by the City of Saint Paul. In addition, the failure to pay, within sixty days, any legitimate claim the City of Saint Paul may have against a House Drain Contractor shall constitute cause for revocation of license.

## **3.00 PERMITS**

### **3.01 GENERAL**

A permit must be obtained from the Department of Public Works Sewer Utility prior to the installation, repair or abandonment of any private sewer that has an outlet or connection to the public sewer. A permit is also required for the extension of an existing sewer service on private or public property that has an outlet or connection to the public sewer.

Permits are issued subject to City Ordinances and these Specifications. The person, to whom a permit is issued, will be held responsible for any infraction of City Ordinances or these Specifications occurring in the work done under the permit.

### **3.02 SEWER INFORMATION**

Records of inplace sewer mains and sewer service connections are available at Public Works, Sewer Utility at 700 City Hall Annex, 25 W 4<sup>th</sup> St. (651) 266-6234. Information obtainable from sewer records may include the depth and size of the public sewer, and the location of sewer service wyes and sewer service connections.

Sewer record information is also available online. To access that information, the contractor will have to request access to the Sewer Utility's internet portal. To request access, go to <http://pwportal.ci.stpaul.mn.us>. Follow the instructions on how to register. Another source for sewer information, especially permits can be found at [http://gis.ci.stpaul.mn.us/gis/gismo\\_public/html/](http://gis.ci.stpaul.mn.us/gis/gismo_public/html/)

The Sewer Utility makes a substantial effort to provide complete and accurate information, however the City of St. Paul makes no warranties, express or implied, as to the accuracy of content on the <http://pwportal.ci.stpaul.mn.us> and [http://gis.ci.stpaul.mn.us/gis/gismo\\_public/html/](http://gis.ci.stpaul.mn.us/gis/gismo_public/html/) websites.

Please report any errors or omissions to the St. Paul Public Works Sewer Utility. Sewer maps and permit information provided on the website or provided by staff are not engineering accurate and are for planning purposes only. By using the websites, the Contractor assumes all risks associated with this use. The City of St. Paul expressly disclaims any liability for any special, incidental, or consequential damages, including without limitation, lost revenues, or lost profits, resulting from the use or misuse of the information contained from the websites or received from City staff.

The Contractor is especially cautioned to verify the depth of the public sewer when connecting to a sewer located in an unimproved street.

The Contractor shall verify the location of other utilities prior to constructing or repairing a connection to the public sewer.

### **3.03 APPLICATION FOR A PERMIT**

A House Drain Contractor may request a permit by phone or in person. Plumbers and homeowners must obtain the permit at the Sewer Utility Service Desk and pay the appropriate fee at that time. All permits are to be requested before 2:00 pm the day prior to the start of the work. An address must be provided when applying for a permit. No permit will be issued if a house number has not been issued. An exception to this rule may be to permit construction of a connection to the property line (paving connection) prior to surfacing of the street.

A Site Plan Review will be required in all cases when a building other than a single family or duplex residential building is being constructed or redeveloped. The Sewer Utility must approve the site plan before their sewer permits are issued. In addition, the Site Plan reviewer must approve any changes to the approved plan before work can begin and after work has begun. It is the sewer contractor's responsibility to make sure that he is working with a plan that has approved changes.

### **3.04 RIGHT-OF-WAY/OBSTRUCTION PERMITS**

When a Right-of-Way permit is required, a Contractor will not need a separate obstruction permit.

### **3.04 (a) Right-of-Way Permit**

If any excavation will occur in the city's Right-of-Way, the Contractor must obtain a Right-of-Way permit. There are two tiers of Right-of-Way permits: one for arterial and collector streets and one for residential streets.

### **3.04 (b) Obstruction Permit**

An Obstruction permit is required if any part of the Right-of-Way will be obstructed by equipment or materials.

The Contractor shall inform the Sewer Permit Clerk if they need a Right-of-Way or an Obstruction permit when requesting a Sewer Permit. For additional information on these permit requirements, call the Right-of-Way Division at (651) 266-6151.

## **3.05 NO-FEE PERMIT**

The Sewer Utility at its discretion may issue a no-fee permit. Typically, the Utility will issue a no-fee to contractors to repair a damaged lateral during a water installation, correct an existing record, and for other administrative purposes.

## **3.06 PERMIT FEES**

### **3.06 (a) SEWER PERMIT FEES**

The permit fee is \$100.00 for the first 80 feet plus \$50.00 per additional 80 feet or fraction thereof. One permit is required for each connection to the public main even if there are multiple lines connected to it; for example, several catch basins connected to one pipe flowing to the public storm sewer. Permit fees are due upon the issuance of the permit; however, the Sewer Utility may bill House Drain Contractors once per month for all permits issued during that month.

For drain tile or underground storm water storage systems, a flat fee of \$100.00 is charged regardless of installation length.

**A double fee permit will be charged when any work requiring a permit is found to be done before a permit has been issued.**

After hours inspections will require a surcharge. They must be scheduled before 2:00 pm on the last working day prior to the requested inspection. All overtime inspections will be charged to the Contractor at a rate of \$75.00 per hour. Inspections requested at 4:00 pm or 4:30 pm will be charged a two-hour minimum. Inspections requested on weeknights at 5:00 pm and later and on weekends will be charged a four-hour minimum. Any cancellation of an evening or weekend inspection not cancelled before 4:30 pm on the last working day before the scheduled inspection will be charged a two-hour overtime charge.

### **3.06 (b) RIGHT-OF-WAY FEES**

Right-of-Way Permit Fee: An additional permit is required if excavation takes place in any part of the city's ROW (street, boulevard or sidewalk). The fee is higher if the excavation is on an arterial or collector street. If needed, the Sewer Utility will add this fee to your sewer permit.

Obstruction Permit Fee: An additional permit is required if equipment or materials will obstruct the Right-of-Way. In the Downtown Zone, the permit fee is higher. If needed, the Sewer Utility will add this fee to your sewer permit. When a Right-of-Way permit is required, a Contractor will not need a separate Obstruction Permit.

### **3.07 CONNECTION TO METROPOLITAN COUNCIL ENVIRONMENTAL SERVICE'S SEWER**

A connection to a Metropolitan Council Environmental Services (MCES) sewer requires a special permit, additional information and an additional inspection performed by an MCES inspector. For more information, contact Seng Thongvanh, P.E at (651) 602-4538. You can download the permit form at <http://www.metrocouncil.org/environment/customerservice/Forms.htm>. The Sewer Utility will submit the application on behalf of the House Drain Contractor. Allow at least two weeks for processing.

For the application, the Contractor needs to provide the Sewer Utility with the distance the proposed connection will be from the nearest manhole, the invert of the connection and the size and type of material he plans to use for the connection. No deviation from MCES' specifications can be made without filing a revised application. A copy of the approved permit will be forwarded to the Contractor after the Sewer Utility receives it from MCES. The MCES inspector requires at least 48 hours' notice for an inspection.

The MCES inspector will inspect the connection to the main and the Saint Paul Sewer Inspector will inspect the entire service. As-built information is required for connections to MCES facilities.

MCES currently charges \$1,000 for this permit and is due at the time of application. Since MCES spends about half of their total staff time on a request before the actual connection is made, only half of the fee will be refunded if MCES does not approve the connection. Normal city charges as outlined in these specifications apply in addition to the MCES charge.



### **3.08 STATE HIGHWAY RIGHT OF WAY**

Work on a State highway requires a permit from Mn/DOT. You can obtain a Mn/DOT permit from the Minnesota Department of Transportation, 395 John Ireland Boulevard, Saint Paul, MN 55155. Usually, they can be obtained by mail. The Mn/DOT permit is free, but in some cases, a bond is required. For information involving large projects (main line sewer projects), call Ann Driver at (651) 366-4620. For information on small projects or repairs to service connections, call E. Buck Craig at (651) 582-1447.

### **3.09 RAMSEY COUNTY STREET RIGHT-OF-WAY**

Work on a Ramsey County highway or road (currently only Larpenteur Ave. and McKnight Rd.), requires a permit from the County. You can obtain a permit from Ramsey County Public Works located at 3377 North Rice Street. The County permits are free, but must be obtained 24 hours before any work is done. Call Dennis Hagle at 651-266-7186 for more information.

### **3.10 NO PERMIT TRANSFERS**

Only at the discretion of the Sewer Utility shall permit fees be refunded or transferred. It shall be the applicant's responsibility to furnish an accurate house number when ordering permits. The Sewer Utility will not accept responsibility for Contractor's mistakes or duplication.

### **3.11 TIME LIMIT OF PERMITS**

The applicant has six months from the date of issuance to complete their sewer work. This time line will apply for all sewer permits (new, repair or abandonment). Upon the receipt of a written request, the Sewer Utility may grant an extension of time for special or unusual cases.

### **3.12 TEMPORARY DENIAL OF PERMITS**

Whenever a Contractor has one or more expired permits (permits that are over six months old), and hasn't completed the work for those permits, the Sewer Utility will not issue any additional permits until the expired permits have been satisfied. Satisfaction could be: completion of the work, including inspection required under the permit; proof that no further work is required under the expired permit; or in extreme cases, a time extension.

Failure to pay any legitimate claim the City may have against a House Drain Contractor within ninety days will constitute cause for denial of additional permits.

Work performed in violation of these Specifications is sufficient evidence of lack of competency of the Contractor. The Sewer Utility will not issue additional permits to the Contractor until he corrects the work to the standards contained within these Specifications.

## **4.00 CONSTRUCTION REQUIREMENTS**

### **4.01 GENERAL**

These construction requirements shall apply to the installation, repair or abandonment of any private sewer that has an outlet or connection to the public

sewer. It also applies for the extension of an existing sewer service on private or public property that has an outlet or connection to the public sewer.

All work shall be performed in a workmanlike manner with the inside surfaces of the pipes, joints and connections water tight, smooth and uniform. The Contractor must also follow all other applicable regulations including those by Occupational Safety and Health Administration (OSHA), Minnesota Manual on Uniform Traffic Control Devices and Minnesota's One Call Notification System (Gopher State One Call).

#### **4.02 INSPECTION OF CONNECTION**

The Department of Public Works Sewer Utility inspector must inspect all work on private sewer connections from the building foundation or upstream end to the public sewer. Before backfilling the trench, but after the pipe has been completely laid and the connection to the sewer has been built, newly constructed work must be inspected. Inspections can be requested by calling the Sewer Service Desk at 651-266-6234. Contractors must make their request at least two hours in advance of the time they will complete the installation of their pipe. Normal inspection hours are from 9:00 am to 3:30 pm Monday through Friday. For after-hours inspection fees see Section 3.06 (a). The Sewer Utility will make every effort to accommodate inspection requests for the day requested.

If any portion of the trench is backfilled before the pipe is inspected, the Contractor shall, at his own expense, remove such backfill so that the entire pipe may be inspected.

The Sewer Utility's inspection of house sewer connections shall not relieve the Contractor from liability to replace or make good any defective workmanship or material, which may be discovered after the inspection has been made.

If an inspector finds a Contractor working in violation of any of these specifications and refuses to correct the violation, the inspector shall contact DSI who will dispatch an inspector empowered to issue a tag (Chapter 76.08 of City's Legislative Code).

Said tag is for a petty misdemeanor and carries a maximum penalty of \$300.00 or 90 days imprisonment or both, for the first offense and revocation of license for repeat violations.

#### **4.03 SAFETY REQUIREMENTS**

Acceptance, by any city employee, of any unsafe operation does not relieve the Contractor of his responsibility to comply with the State of Minnesota O.S.H.A. safety requirements. The city inspector shall not be expected to enter into any area or operation that is in violation. The inspector's refusal to enter an unsafe condition to make an inspection, in no way relieves the Contractor of his obligation to have his work inspected. If the Contractor does not promptly correct any unsafe condition, the inspector may contact the State O.S.H.A. Division and request an inspection from them. The inspector may report any suspected violations to the state. Possible violations are unsafe trench, no trench box, no ladder available, faulty air monitoring equipment and not using hard hats or high visibility vests on closed construction sites.

#### **4.04 EXCAVATION**

When a Contractor opens the street, he shall deposit the excavated pavement, curb and walk separately from the granular backfill material in a manner that will cause the least inconvenience to the public and provide for the passage of water along the gutters. If the spoil pile will remain overnight, it must be covered and the downstream catch basin protected from eroding soil. At least one-half of the street must be left clear for the passage of vehicles, and bridge ways provided over removed sidewalks for pedestrians. In backfilling the trench, the granular backfill material shall be placed and compacted as described in the City of Saint Paul, Department of Public Works Specifications for Street Openings (see Appendix B). Restoration shall be to a condition equal to or better than before the construction, and all removals and surplus granular material shall be immediately removed.

Where the provisions of this ordinance conflict with City of Saint Paul, Department of Public Works, Governing Specifications, dated November 14, 2006, the Department of Public Works, City of Saint Paul, Minnesota, Standard Supplemental Specifications for Construction (see Appendix A) shall govern.

At least forty-eight hours prior to excavation, the Contractor must call Gopher State One Call (651-454-0002) to notify other utilities of the proposed work. The Sewer Utility will not mark or locate private or City owned sewer facilities for House Drain Contractors; however, records are available to the contractor (see Section 3.02 of these Specifications).

Excavated grassy areas on private property and in the Right-of-Way are to be replaced with a minimum of four inches of suitable topsoil and sod or seed.

#### **4.05 STREET OPENINGS**

The Contractor shall do all street opening work, including removals, excavation, backfilling and resurfacing, in accordance with the provisions of the City of Saint Paul, Minnesota, Department of Public Works, Standard Specifications for Street Openings (see Appendix B). If work will take place in an arterial street or in a downtown street, contact the Right-of-Way Division at (651) 487-7250 at least one week in advance. Downtown is the area bounded by Smith Avenue, I-94, Lafayette Road and the Mississippi River.

#### **4.06 DEPTH OF CONNECTION AT PROPERTY LINE**

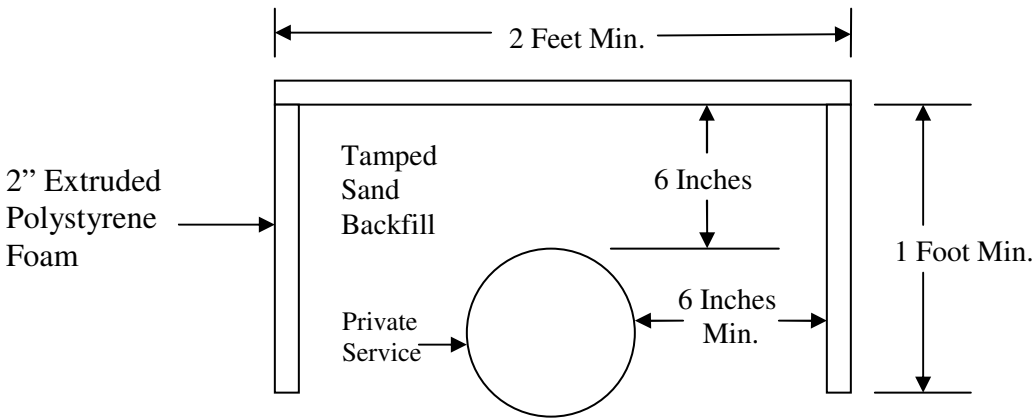
Where allowed by the elevation of the mainline sewer, the new sanitary sewer connections shall be constructed so that the invert of the pipe is at least eight feet below curb grade produced to the property line. When making a connection to a sewer in an unimproved street where the Department of Public Works has established the grade, the Contractor shall construct the sewer service connection so

that the invert of the pipe is eight feet below the proposed curb elevation produced to the property line. The pitch of the sewer service shall be as defined in Section 4.14.

If a sanitary sewer connection cannot be constructed at the required eight foot depth due to the presence of rock or other utilities, the Contractor must request a variance. If granted and the pipe will be less than four feet deep, the pipe shall be insulated as follows using extruded polystyrene foam suitable for underground applications.

If the top of the pipe is between three and four feet deep, install a 4 feet wide by 2 inch thick insulation board flat centered on the pipe and 6 inches above it. The insulation shall rest on a tamped sand backfill.

If the top of the pipe will be less than three feet deep, the insulation shall be installed using a box method (see Figure 1). The 3-sided box, opened at the bottom, shall be formed with three lengths of two-inch thick extruded polystyrene foam insulation. The top of the box shall be at least two feet wide, centered on the pipe and extending horizontally to the farthest edge of both vertical sides. The vertical sides shall be at least one foot high. Insulation shall be installed six inches above the top and at least six inches from each side of the private sewer. The box shall be filled with tamped sand.



**Figure 1: Construction of a 3-sided Insulated Box**

#### **4.07 TREES IN THE BOULEVARD**

Excavation through tree roots can either kill the tree or weaken it to a point that it could fall over during a windy day. Therefore, whenever a House Drain Contractor encounters a boulevard tree whose roots will be impacted as a result of excavation, the Contractor must call Saint Paul Forestry at (651) 632-5129 for an onsite inspection. Contractors must contact Saint Paul Forestry at least five working days in advance if construction for non-emergency sewer construction or repairs will result in excavation within:

- four feet of a boulevard tree 2" to 5" in diameter
- six feet of a boulevard tree 6" to 12" in diameter
- eight feet of a boulevard tree 13" to 19" in diameter
- ten feet of a boulevard tree 20" to 29" in diameter
- fifteen feet of a boulevard tree 30" and above in diameter.

House Drain Contractors must contact Saint Paul Forestry at the earliest possible time when emergency sewer repairs will necessitate excavation within the above parameters.

#### **4.08 POINT OF CONNECTION TO MAIN SEWER**

##### **4.08 (a) Wye Branches:**

Wherever a wye branch is provided, the House Drain Contractor shall make the connection to the main sewer at the wye. If the wye is not found to be within two feet in either direction of the measurement shown on the records of the department, the House Drain Contractor shall give notice to the Sewer Utility. The Sewer Utility Inspector will then determine a location for the new service connection.

The Contractor shall inspect the wye to determine that it is not damaged and is in usable condition. If it is in usable condition, the Contractor shall encase

the existing wye in concrete making sure the base of the concrete is on undisturbed soil. Once a connection is made to a wye branch, it and the corresponding service connection becomes the property of the owner of the lot serviced by the connection.

If the wye is not suitable for use, the contractor shall remove the damaged wye branch and place a Fernco type saddle on the main over the existing opening. The saddle shall cover the entire opening on the main where the wye branch was removed.

#### **4.08 (b) No Wye Branches:**

##### **4.08 (b1) Any Main with an outside diameter of 25 inches or less:**

Where there is no wye branch and the connecting pipe's outside diameter is less than half the inside diameter of the sewer main, the connection shall be made as described in City Standard Detail Plate 2319D

##### **4.08 (b2) Mains with an outside diameter greater than 25 inches:**

Where there is no wye branch and the connecting pipe's outside diameter is less than half the inside diameter of the sewer main, a House Drain Contractor will be allowed to make a connection to the main sewer by inserting a hub in accordance with City Standard Detail Plate 2319D:

All connections shall be constructed in such a manner that minimal disturbance is caused to the main sewer.

Kor-N-Seal or its equivalent may be used with approval by the Sewer Utility.

##### **4.08 (b3) 8" Clay Pipe:**

When the main sewer is clay pipe and eight inches in diameter or less and no longer than two foot lengths, and no wye branches have been provided, the house sewer connection may be made by the House Sewer Contractor by



removing a section of the main sewer and replacing it with a section of pipe of like diameter which has a wye branch of the proper size.

A four-inch cast iron or PVC sewer pipe may be connected to an eight-inch vitrified clay pipe sewer main by carefully core drilling a hole into the main sewer and installing a CB Saddle or approved equal.

#### **4.08 (b4) New Connection to Lined Main:**

During the process of lining mainline sewers with a cured in place liner, unused wyes, unused paving connections and abandoned connections are typically lined over. When installing a new sewer connection or reconnection to a lined over connection, the Contractor shall determine if the connection is usable by opening the liner. If unusable, the Contractor shall core drill through the main and liner to the same diameter of the new connection at a new location and install a saddle or hub connection depending on the size of the main (See Standard Detail Plate 2319D). When appropriate to sleeve a previously abandoned pipe to make a connection at a wye that has been lined over, the Contractor shall cut a hole in the liner the size of the entire wye opening and file or sand the edge of the liner to a smooth surface. The contractor may then make a connection to the wye.

#### **4.08 (b5) Existing Manholes:**

No connection to an existing manhole shall be made unless the Sewer Utility grants permission. If a connection is allowed to be made to an existing sanitary manhole, the connection must be core drilled and the crown should enter the manhole no higher than two feet above the bottom of the manhole. When a new connection is to be installed to a manhole deeper than 15 feet, the Contractor may, after approval of the Sewer Utility, construct an outside drop to the manhole as per Standard Plate 2301D. Where required, a spillway shall be poured at the bottom of the manhole so flow from the new connection is directed to the main sewer and not settle in the manhole.

When a storm connection is made to a manhole, the entire connection must be below the Cone Section but it does not have to go to bottom of the manhole.

#### **4.09 MANHOLES REQUIRED**

The contractor will be required to build a manhole whenever the connecting pipe's outside diameter is half or greater than half the inside diameter of the public sewer.

Manholes in the Right-of-Way shall be constructed according to City Standard Detail plates and shall be the appropriate Type as dictated by sewer main depth and diameter and approved by the Sewer Utility Inspector. The Sewer Inspector can approve the use of materials other than brick to adjust manholes on private property.

With the exception of roof drain connections, manholes are required in storm sewer systems whenever there is a change in pitch or direction.

For roof drains, drain tile and smaller yard drains that are simple riser pipes without a structure, manholes are not required at the downstream change in direction. Instead, the contractor shall install clean-outs every 100 ft. or less beginning at the upstream end. Tees and 90° elbows are not allowed within the City right-of-way. Clean outs shall only be located on private property unless otherwise approved by the Sewer Utility Inspector.

#### **4.10 PIPE SIZES**

The minimum pipe size for the house drain connection shall be four inches inside diameter. For HDPE storm sewer pipes, the minimum pipe size is 12 inch inside diameter (excluding drain tile) and can only be used on private property.

#### **4.11 MATERIALS**

Installation of all materials on private property must meet the minimum requirements of the State of Minnesota Plumbing Code.

In addition to the above, the following materials may also be used for that part of the connection from the property line to the public sewer:

- a. Reinforced Concrete Pipe, conforming to ASTM C-76 for pipe sizes 12 inches or greater. Pipe diameters of 21 inch or less shall be Class V. Pipe diameters great than 21 inches shall be as per the recommendation of the pipe supplier and approved by the Sewer Utility Inspector.
- b. Cast Iron Pipe, conforming to ASTM-74. This material is required in the street where the water service is planned to be laid within 10 feet or less of the sewer connection.
- c. Polyvinyl Chloride (PVC) pipe, Schedule 40, C-900 or SDR 26 unthreaded conforming to ASTM Standard D-2665.

Materials other than those listed above may not be used unless the Sewer Utility gives approval for their use in writing.

#### **4.12 METHOD OF LAYING PIPE**

All house connections within public streets shall be constructed with the bell end upstream, and laying should proceed in every case from the downstream end to the upstream end. The pipe shall be carefully bedded so that the bottom third of the pipe rests on undisturbed earth. A space for the bell shall be excavated below the grade for the barrel of the pipe so that when the pipe is in final position, the entire length of the barrel will be uniformly supported by the sub grade. The pipe should be laid so

that the line of the pipe enters the main in the direction of the flow. Under no conditions should the line of the sewer drain be built opposed to the direction of the flow in the main sewer.

Sewer pipe shall be laid with full and uniform bearing. If the bottom of the trench is such that proper bearing thereon cannot be obtained, then the House Drain Contractor shall furnish and place pea gravel or sand in the trench so that the pipe may be laid as specified. Whenever PVC sewer pipe is used for a house sewer connection, the pipe shall be laid in a pea gravel or sand bedding.

The spigot end of bell and spigot pipe shall be inserted into the bell end to the full depth of bell. When laid, the pipe shall form a sewer with a smooth and uniform grade.

#### **4.13 PIPE JOINTS**

All pipe joints shall meet the requirements of the State of Minnesota Plumbing Code, unless otherwise changed by these specifications. Only the following listed types of joints may be used:

##### **4.13 (a) Gasket Joints:**

Factory fabricated compression joints of approved resilient or rubber materials may be used between lengths of clay or concrete pipe in accordance with ASTM C425.

##### **4.13 (b) Mechanical Joints:**

Mechanical joints in cast iron soil pipe shall be made by means of preformed molded rubber ring, secured by pulling the pipe and fittings together in such a way as to compress the molded rubber ring in a manner that will assure a water tight joint. The rubber sealing ring shall conform to A.S.T.M. 564-65.

**4.13 (c) Solvent Welded Joints:**

Joints for P.V.C. sewer pipe shall be installed per the manufacturer's instructions for either solvent cement or O-Ring Rubber Gasket Joints.

**4.13 (d) Fernco Type:**

Rubber sleeves with stainless steel band clamps.

**4.13 (e) Cement Mortar Joints:**

Cement mortar joints are only allowed when using the hub connection according to Saint Paul Standard Detail Plate No. 2319D

**4.14 PITCH OR SLOPE OF CONNECTION**

Where possible, the minimum pitch on the house drain connection pipe shall be 1/4 inch per linear foot of pipe, or a fall of two feet per 100 feet of connection (a 2% pitch). When connecting to a shallow sewer or when the building being connected to the public sewer is below street grade, the slope of the connection may be reduced to 1/8 inch per foot of pipe (a 1% pitch).

In all cases where the pitch of the pipe will be less than 2%, the House Drain Contractor shall set the pitch by laser equipment or other method approved by the Sewer Utility. When practical, the connection shall be built with a uniform pitch from the main to the property line and should be built with a uniform pitch from the property line to the building.

**4.15 PREFABRICATED UNDERGROUND STORM WATER STORAGE SYSTEMS**

DSI will review for compliance with the Plumbing Code the portion of the plan from the building to the point-of-discharge from a stormwater quality measure such as a pond, underground chamber, or filtering device. The review will address pipe materials and invert elevations, the potential for the stormwater measure to result in

damage to the building interior and the adequate venting of underground chambers. All solid pipe (non-perforated) storage systems must pass a 1" menometer test. Call Plumbing Inspections (DSI) at 651-266-9005 for more information and to schedule for testing.

Sewer Utility will review the portion of the plan downstream of the stormwater quality measure, and confirm that the site meets the rules for rate control and connections to the public sewer.

Contractors can specify systems with welded stubs to accommodate branches for the attachment of inlet or restrictor pipes. Please be advised that the Sewer Utility does not allow bends outside the system to change direction. If the plan shows a smaller pipe connecting to the system at an angle, that welded stub must also be at that angle. The inspector will not approve the installation if the stub comes out at 90 degrees and a bend is attached to change direction.

#### **4.16 PROTECTION OF PIPE**

The Contractor shall prevent the entry of dirt or other foreign material into the main sewer during construction. Should any dirt or other material enter the main sewer during construction by accident or otherwise, the Contractor shall remove it without delay. Pipe once laid shall be protected from damage or disturbance from any cause.

#### **4.17 CONNECTIONS TO SANDROCK SEWER (New Construction)**

A new connection to a sandrock tunnel consisting of a new tunnel drift and a new drill hole shall be constructed as per City Standard Detail plate 2312C. The excavation for the tunnel drift shall be on a straight line and pitch from the main sewer tunnel to the drill hole.

The drill hole or vertical drop pipe shall be located on private property. Where conditions warrant, the Sewer Utility may approve a location of the drill hole within public right-of-way.

At the end of each day, the House Drain Contractor shall remove all excavated material from the tunnel and shall dispose of the material so as not to accumulate and obstruct the public use of the sewer or street. In no case will the House Drain Contractor be permitted to dispose of excavated material into the main sewer or any other private drift in the tunnel.

Explosives shall not be used except where the rock is too hard to be loosened by mechanical equipment, and only when its use is specifically permitted. When explosives are used, a Blasting Permit must be obtained from the Department of Public Works.

#### **4.18 CONNECTION TO PAVING CONNECTION**

Where the street surface is paved, connections for future use were frequently built under City paving contracts from the main sewer to the property line prior to the paving. Usually the depth of the connection at the property line, the location, size and other pertinent data is available. No paving connections fifty years or older will be allowed to be used except with the approval of the Sewer Utility.

Once the Contractor connects a new private service to the Paving Connection, ownership of the Paving Connection transfers to the property owner and the property owner is responsible for all future maintenance and repair.

#### **4.19 USE OR REUSE OF EXISTING CONNECTION**

An abandoned house drain connection that served a demolished building may be reused provided it is less than fifty years old and meets all the current requirements of a new connection, with the exception that the pipe depth must be at least six feet measured to the top of pipe at the property line. If the requirements are met and reuse is desired, the House Drain Contractor must first televise the abandoned service at his cost. The Sewer Utility will then review the video and determine if

the service is suitable for reuse. If approved, the work shall be done under a sewer permit and the Contractor must inform the property owner that they have ownership and are responsible for the reused pipe. Services over fifty years old cannot be reused except at the discretion of the Sewer Utility.

An abandoned sandrock drift and/or drill hole may be reused if the drift and drill hole conform to, or are upgraded to City Standard Detail Plate 2312C.

## **4.20 AIR TESTING**

The State of Minnesota Plumbing Code (Section 4715.2820) requires that new private storm and sanitary sewer lines be air tested at five psi for fifteen minutes. Testing is not required for:

- a. outside roof leaders,
- b. perforated or open drain tile; or
- c. portions of storm sewers located more than ten feet from buildings, more than ten feet from buried water lines, more than fifty feet from water wells, and not passing through soil or water identified as being contaminated.

In lieu of the five-pound air test, concrete manholes and sewer lines may be tested by negative pressure in accordance with ASTM Standards C1214-92 and C1244-93. The inspector does not need to view the entire testing span of time but he will need to see the equipment in place and the pressure holding.

## **4.21 LINING**

### **4.21 (a) Lining on Private Property:**

A cured-in-place pipe liner may be used to rehabilitate a private sewer connection on private property. Requests for cured-in-place lining on private property shall be approved by the St. Paul Building Official. Chapter 1300, Subpart 13 of the Minnesota State Building Code & Chapter 4715, Subpart 1 of the Minnesota State Plumbing Code allow the Building Official to approve



a proposed material or design where found to be satisfactory and meets the intent of the code. No permit will be issued and no work shall commence without approval. Requests will require the contractor to demonstrate why the traditional open-cut method cannot be used and the hardship that may be placed upon the owner. Requests for approval must be made in writing for each permit application. A signed statement from the property owner must be included stating that the request is being made on their behalf and that the owner has been informed that the lined sewer does not conform to the strict interpretation of the Minnesota Plumbing Code but is a design and material that the Building Official has approved as an equivalency. Requests must be accompanied by the proper permit and an existing sewer pre-lining DVD. A post lining DVD of the finished sewer liner will be required for final permit approval.

#### **4.21 (b) Lining in the Right-of-Way:**

In the Right-of-Way, the Sewer Utility regulates the use of lining. All requests for cured-in-place pipe lining must be approved by the Sewer Regulatory Engineer. The contractor will be required to provide both an open-cut repair estimate and a cured-in-place pipe estimate to the property owner. The Sewer Utility will require a signed statement from the property owner stating that the request is being made on their behalf and that the owner has been informed that the lined sewer will not conform to the Minnesota Plumbing Code.

Requests for lining will be denied based on, but not limited to the following:

1. The pipe has collapsed, has improper pitch or excess joint offsets.
2. The upstream end of the liner is likely to cause a buildup of debris.
3. The Sewer Utility has not received a pre lining DVD.
4. The connection to the City main is defective.
5. The liner will not eliminate or reduce inflow and infiltration.

Post sewer lining videos (DVDs) must be received by the Sewer Utility no later than seven business days after the liner was installed. Whenever a liner

is found to protrude into the City main, the contractor will be required to return to the job site and eliminate the protrusion at his own expense.

#### **4.22 SLEEVING**

When a Contractor slip lines, sleeves or inserts an existing service, the annular space between the pipe sleeve and the host pipe shall be sealed by inserting a rubber donut over the end of the pipe sleeve after it is inserted into the host pipe and then further sealed by capping the end with concrete at the points of insertion. Connections can also be made using a Fernco or equivalent connector.

#### **4.23 SPOT REPAIRS**

Spot repairs of private sewer services are not encouraged in the City of Saint Paul. The City prefers sleeving of a new pipe from the cast iron exiting the building to as far beyond the property lines as possible. This method of sleeving also requires the installation of a new cleanout at the front wall of the building.

All sewer permit holders who will be performing spot repairs must provide the homeowner an estimate for the spot repair as well as an estimate for sleeving a new pipe and installing a cleanout.

#### **4.24 BULKHEADING ABANDONED SERVICES**

A House Drain Contractor shall bulkhead an abandoned service under an Abandonment Permit. The abandoned service shall be uncovered within four feet of the property line and within property boundaries, then sealed watertight with an approved bulkhead. The Sewer Utility reserves the right to require bulkheading of abandoned services at the main sewer where access is available or conditions warrant. The Contractor shall leave the trench open at the point where connection is bulkheaded until inspected by the Sewer Utility's House Drain Inspector.

If an abandoned service is connected to a sewer manhole, the service must be bulkheaded at both the property line and at the manhole. If there is a tree or other obstruction near the property line, the Sewer Utility may require the Contractor to abandon the sewer in the boulevard. It is the Contractor's responsibility to inform the Sewer Utility when these cases arise. Any excavation within the ROW will necessitate the added cost of a ROW permit.

If the sewer main has been lined and the liner has covered the unused service, the abandoned service may not have to be plugged at the property line.

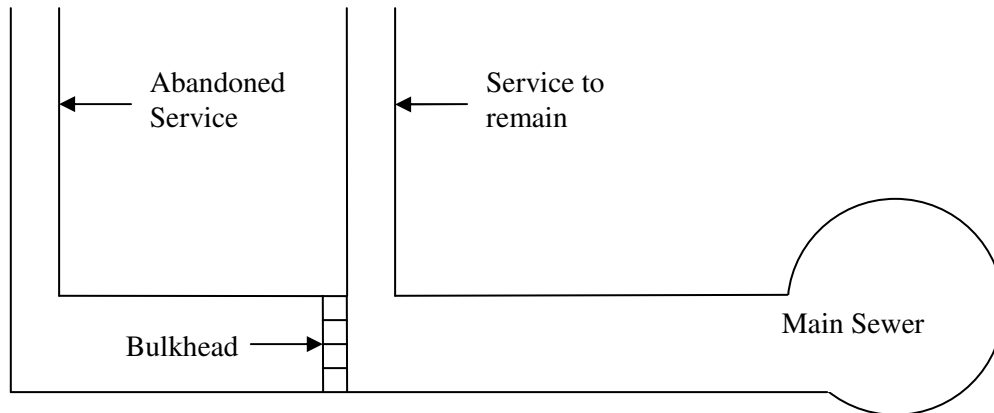
Once a Contractor abandons a sewer service lateral and it has been inspected and approved, the City will accept responsibility for that portion of the abandoned service within the City right-of-way.

Where any public sewer main line is to be abandoned, such work shall be performed in accordance with the current Department of Public Works, City of Saint Paul, Minnesota, Standard Supplemental Specifications for Construction (see Appendix A). Additionally, pipes having a 12" or larger inside diameter shall be filled with sand, grout or a suitable material, as determined by the Sewer Utility.

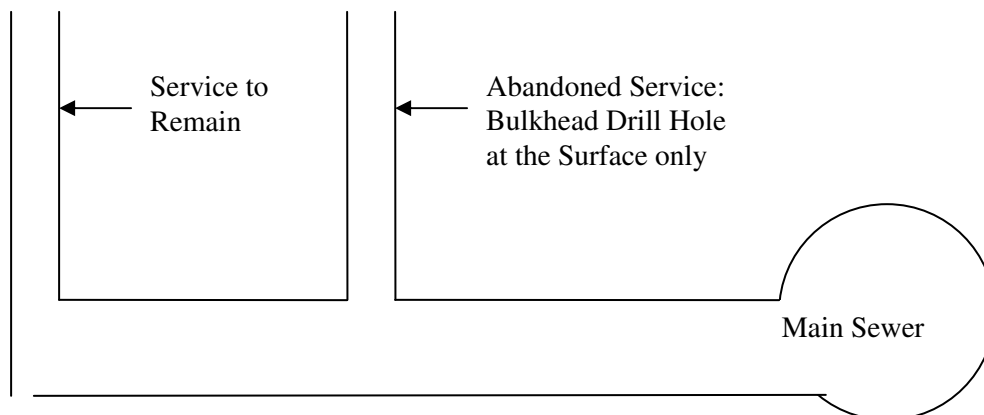
In the case of sand rock tunnel connections to the public sewer, the drill hole is to be plugged from the surface by excavating down to the rock surface and filling the drill hole with concrete at least four feet into the rock. The Contractor shall completely plug the drift by constructing a twelve-inch thick solid masonry bulkhead at the junction of the main tunnel and drift connection. The bulkhead shall completely block the abandoned drift and shall conform to the inside contour of the main sewer.

Where there is more than one drill hole connection to the same drift, the drill hole in question shall be abandoned as described above and the unused portion of the drift tunnel shall be abandoned provided it does not interfere with function or access to the remaining functioning drill holes.

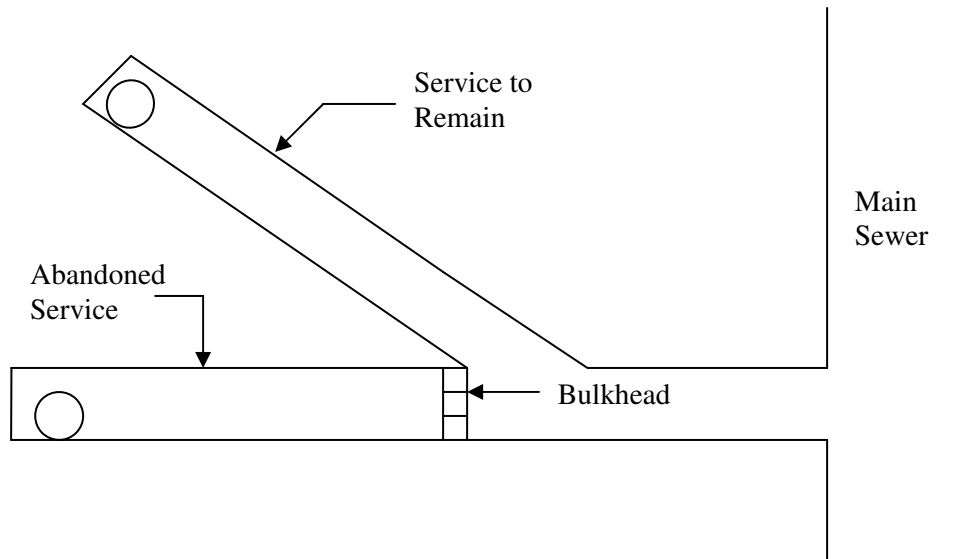
Figures 2, 3, and 4 are shown as examples only and actual field conditions may vary.



**Figure 2: Abandoning an Upstream Service in Drift**



**Figure 3: Abandoning a Downstream Service in Drift**



**Figure 4: Abandoning a Shared Drift**

#### **4.25 SIDEWALK REPLACEMENT**

Contractors shall replace disturbed public sidewalk panels following sewer construction. If the sidewalk over the sewer is already damaged, removed or broken when the House Drain Contractor arrives on the project site, then the Contractor shall replace the walk within the sewer excavation area. If the general contractor insists that the walk not be included as he is still driving over it, then the House Drain Contractor must call Al Czaia of the Sidewalk Division at (651) 266-6108 and inform him of the general contractor's schedule to have the sidewalk replaced. Otherwise, the House Drain Contractor will be responsible for replacing the sidewalk.

## **5.00 MISCELLANEOUS**

### **5.01 RESPONDING TO A SEWER BACKUP**

The City has an ongoing program to rehabilitate sewer mains with a cured in place pipe lining. As part of the lining process, active services are restored by cutting open the connection to the main. Abandoned services, unused wyes and unused paving connections are not cut open after the sewer main is lined.

A comprehensive list of lined sewer pipe locations is available on the City's website. To view the list, go to [www.stpaul.gov/sewer](http://www.stpaul.gov/sewer) and click on "Current Projects". Liners may be visible from upstream and downstream manholes.

If the Contractor suspects an active service has not been opened as part of a sewer lining project and is the cause of a sewer backup, he shall contact the Sewer Utility Service Desk at 266-6234 prior to any excavation work. For after hours and weekend sewer backups, contact Pat Lowry, the Sewer Lining Project Inspector at 612-919-4568.

### **5.02 SEWER SERVICE TELEVISING**

If the Sewer Utility suspects an active sewer service is the cause of a problem such as a sink hole in the City Right-of-Way, the Utility may request the property owner to have the sewer service televised.

Such a video should be recorded on a DVD. The video should be in color with adequate lighting, show digital foot measurements and be slowly paced. Suggested speed is one foot per second. The audio portion should state the address of the property and include a commentary by the person doing the taping. If the televising shows that the sewer service is in need of repair, the property owner should make arrangements to have repairs made by a licensed house drain contractor, all at their expense. If, after the Sewer Utility reviews the DVD and the sewer service is determined to not be in need of repair, the City will reimburse the property owner for the cost of the televising.

### **5.03 DAMAGE BY ANOTHER CONTRACTOR**

If a House Drain Contractor suspects that another contractor or utility is responsible for a damaged sewer he is repairing, it is his responsibility to notify the Sewer Utility and the contractor or utility that may be responsible for the damage so a representative of the contractor or utility can inspect the damage before the house Drain Contractor repairs the pipe.

### **5.04 PROHIBITED WASTE DISCHARGE**

Since all sanitary sewers in Saint Paul flow into interceptors owned by the Metropolitan Council Environmental Services (MCES), their discharge rules govern. MCES' Waste Discharge Rules for the Metropolitan Disposal System is available at <http://metro council.org/environment/IndustrialWaste/index.htm>

### **5.05 SEWER ASSESSMENT PROGRAM**

The City of Saint Paul has a sewer assessment program that offers financial assistance to property owners facing expensive sewer repairs. Participation in this program is voluntary to all house drain contractors and homeowners. However, when a sewer permit is issued to perform repair work on a private sewer service, the permit holder must inform the owner of the private sewer service about the City's sewer assessment program. The information process shall not only be verbal but also include providing the property owner with literature on the sewer assessment program. Contact the Sewer Utility for a copy of the literature.

All sewer permit holders must include a statement in their estimates and invoices stating that the owner of the private sewer that is to be repaired has been informed about sewer assessment program.