



Memorandum

To: Independent Inspections, Ltd., Public Works and Engineering Staff, Plumbers, Excavators, Sewer Contractors

From: Tim Montour, Engineering Supervisor *TJM*

Date: May 7, 2010

Re: Slip-lining sanitary sewer laterals

Effective immediately the only methods allowed for slip-lining existing sanitary sewer laterals in the City of Menasha shall be in accordance with the attached policy and details. The contractor is required to expose the existing sanitary lateral connection at the sanitary sewer main and shall notify the Department of Public Works/Engineering at 920-967-3610 prior to exposing the sanitary sewer lateral connection. The contractor/plumber shall **NOT** expose the sanitary lateral connection until an inspector is on the job-site during the excavation. Failure to comply with this requirement may impact your Company's ability to secure other City of Menasha permits. The previously allowed practice of slip-lining the existing sanitary lateral without a water-tight connection to the sanitary sewer main will not be allowed.

As is past practice in the City of Menasha, any work done within the street right-of-way requires an Excavation Permit. The permit can be obtained in the Public Works/Engineering Department on the Second Floor of City Hall. The cost of the permit is \$25.00. Also, any contractor working in the City street right-of-way is required to have on file, a Certificate of Liability Insurance listing the City of Menasha as additional insured and a \$10,000 License and Permit Bond.

Attachments

City of Menasha – Lateral Slip-Lining Policy

In an area where a property owner/contractor elects to slip-line an existing sanitary lateral, the following shall apply;

- The property owner/contractor shall obtain an Excavation Permit from the Department of Public Works/Engineering – Second Floor of City Hall. The Excavation Permit fee is \$25.00. Any contractor working in the street right of way in the City is required to have on file a Certificate of Liability Insurance listing the City of Menasha as an additional insured and a \$10,000 License and Permit Bond. Property owner/contractor is responsible for all stipulations listed on the Excavation Permit.
- The property owner/contractor shall obtain all applicable Plumbing Permits from the Community Development Department/Building Inspection.
- The contractor is required to expose the existing sanitary lateral connection at the sanitary sewer main and shall notify the Department of Public Works/Engineering at 920-967-3610 prior to exposing the sanitary sewer lateral connection. The contractor shall **NOT** expose the sanitary lateral connection until an inspector is on the job-site during the excavation.
- Depending upon the condition and type of the sanitary sewer lateral connection, the sanitary lateral and whether or not the sanitary sewer main has a liner, one of the following procedures will be followed;
 - If the sanitary sewer main has a liner installed in the main line sewer pipe, the contractor shall expose the sanitary lateral connection;
 - If the existing sanitary lateral connection is a “factory wye” connection and is watertight, the contractor can make a “fernco” connection between the new sanitary slip-line pipe and the existing sanitary lateral connection at the sanitary main or riser. New connection shall be bedded to the spring-line with back-fill concrete.
 - If the sanitary lateral connection is a “tapped” connection, the contractor shall remove the existing lateral connection and install a “fernco flexible tap saddle” (or approved equal). See attached. Area between existing sanitary sewer main pipe and “fernco flexible tap saddle” shall be sealed with a trowelable butyl sealant. New connection shall be bedded to the spring-line with back-fill concrete.
 - If the sanitary sewer main and respective connection is damaged while exposing the sanitary sewer, the contractor shall remove the damaged sanitary sewer main and connection. The contractor is to use great care to saw cut and remove the sanitary sewer main and connection with the internal liner. An appropriate sized “wye” and replacement pipe shall be put in place using “fernco” connections and the slip-lined sanitary pipe shall be connected to the new “wye”. New sanitary “wye” connection shall be bedded to the spring-line with backfill concrete.
 - If the sanitary sewer main does not have a liner installed, the contractor shall expose the sanitary lateral connection;
 - If the sanitary lateral connection is a “factory wye” connection and is watertight, the contractor can make a “fernco” connection between the new sanitary slip-line pipe and the existing sanitary lateral connection. New connection shall be bedded to the spring-line with back-fill concrete.
 - If the sanitary lateral connection is a “tapped” connection, the contractor shall remove the existing lateral connection and install a “fernco flexible tap saddle” (or approved equal). See attached. Area between existing sanitary sewer main pipe and “fernco flexible tap saddle” shall be sealed with a trowelable butyl sealant. New connection shall be bedded to the spring-line with back-fill concrete.
 - If the sanitary sewer main and respective connection is damaged while exposing the sanitary sewer, the contractor shall remove the damaged sanitary sewer main and connection. An appropriate sized “wye” shall be put in place using “fernco” connections and the slip-lined sanitary pipe shall be connected to the new “wye”. New sanitary “wye” connection shall be bedded to the spring-line with backfill concrete.

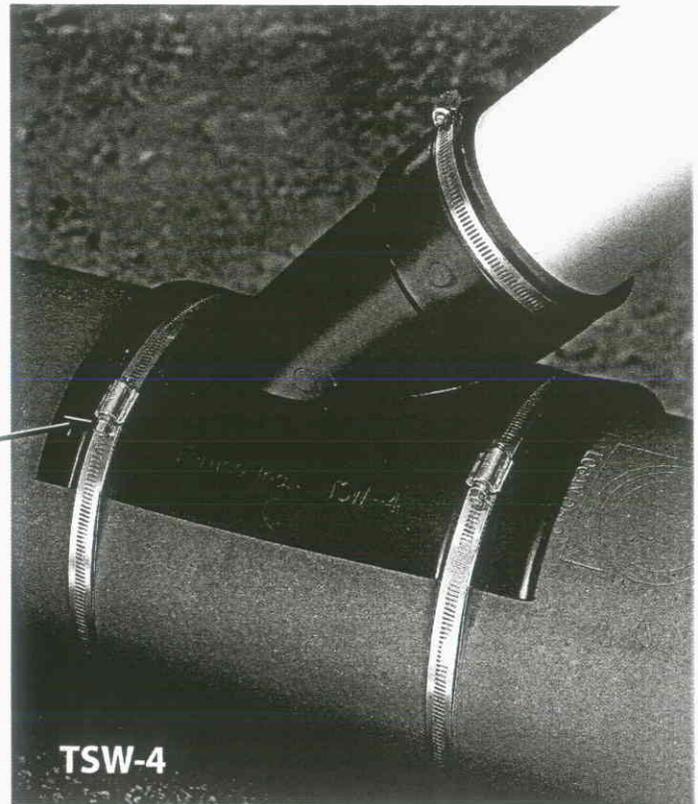
If the property owner/contractor chooses to remove and replace the existing sanitary sewer lateral in its entirety, a watertight sanitary lateral connection shall be obtained by one of the previously listed methods.

Flexible Tap Saddles

The faster & less costly way to make sewer main connections

One **Fernco** Saddle will fit ALL 6" and larger sewer mains.

- Manufactured from a specially formulated high durometer PVC.
- Rigid, yet flexible enough for one saddle to fit 6" or larger sewer mains.
- Includes special "slip-lock" clamps of 300 series stainless steel that make for fast and simple installations on any type of pipe from 6" to 15".
- Larger apron with locating ring fits 4½" or 6½" standard shell cutters.
- Large band grooves



Available for all 4" or 6" plastic or cast iron drain pipe inlets in **Tee or Wye** configurations.

PART #	Description
TST-4	4" Cast Iron or Plastic Inlet - Tee Tap Saddle
TST-6	6" Cast Iron or Plastic Inlet - Tee Tap Saddle
TSW-4	4" Cast Iron or Plastic Inlet - Wye Tap Saddle
TSW-6	6" Cast Iron or Plastic Inlet - Wye Tap Saddle
312-300	Extension Clamps - For larger than 15" sewer mains



Plumber	Address	City	State	Zip
ABA Plumbing	1601 Plum Tree Court	Kaukauna	WI	54130
Absolute Plumbing	N1473 Ellen Lane	Greenville	WI	54942
AG Mechanical	1820 Marathon Avenue	Neenah	WI	54956
Altergott Plumbing	1100 W. Main Street	Appleton	WI	54911
Apple Creek Plumbing	805 E. Apple Creek Road	Appleton	WI	54913
Appleton Plumbing	1037 E Green Tree Court	Appleton	WI	54915
August Winter and Sons Inc.	2323 Roemer Road	Appleton	WI	54911
Baumgart Plumbing, Inc.	N5209 Hwy 55	Seymour	WI	54165
CJ Plumbing	3548 Golfwood Drive	Neenah	WI	54956
Complete Plumbing	1197 Racine Road	Menasha	WI	54952
Delie Plumbing	8481 Serenity Lane	Pulaski	WI	54162
Drucks Plumbing, Heating & Cooling	P.O. Box 355	Menasha	WI	54952
Gerritts Plumbing	709 Deerview Drive	Appleton	WI	54915
Hansen Plumbing Inc.	N1044 Tower View Drive	Greenville	WI	54942
Hanson's Quality Plumbing Inc.	505 N Bluemound Drive	Appleton	WI	54914
Harwoods Hometown Plumbing	988 Bridgewood Drive	Neenah	WI	54956
J D Ogden Plumbing & Heating	P.O. Box 689	Neenah	WI	54957
Jim's Plumbing	W6166 Greenville Drive	Greenville	WI	54942
Keyes and Sons Plumbing and Heating Inc.	1066 American Drive	Neenah	WI	54956
LC Plumbing	N7012 State Road 49	Fremont	WI	54940
Lee's Plumbing	1316 N Richmond St	Appleton	WI	54911
McHugh's Plumbing LLC	W1995 Vans Court	Kaukauna	WI	54130
Mike the Plumber	1918 W Marquette St	Appleton	WI	54914
Mr. Rooter Plumbing	PO Box 1141	Appleton	WI	54912
P & S Plumbing	1978 Fox Burrow Ct	Neenah	WI	54956
Petersen Plumbing	1600 Hamilton Ct	Little Chute	WI	54140
Plaski Plumbing	W8716 Spring Road	Hortonville	WI	54944
R J Kampo Plumbing & Heating	1000 S Westland Drive	Appleton	WI	54914
Salm Plumbing	208 E. North Street	Appleton	WI	54911
Scott Lamers Construction	1000 Joshua Street	Kaukauna	WI	54130
Sure-Dry Basement Systems Inc	754 Airport Road	Menasha	WI	54952
T & J Plumbing	N3736 Hwy 55	Freedom	WI	54131
Thomas N Hardy Plumbing & Heating Co.	2590 Palisades Lane	Appleton	WI	54915
Tim Rausch Plumbing	1606 W. Haskel St	Appleton	WI	54914
Tom Van Handel Corp.	1830 Edgewood	Appleton	WI	54913
Total Service Plumbing	2040 E Main St	Little Chute	WI	54165
Trader Plumbing	500 Appleton Street	Menasha	WI	54952
Trico Excavating	5400 N. Richmond Street	Appleton	WI	54913
Turek's Plumbing, Inc.	N2808 Meade Street	Appleton	WI	54913
Valentine Reader Plumbing Inc.	W2015 Industrial Drive	Kaukauna	WI	54130
Vanco Company	W1988 Twilight Trail	Seymour	WI	54165
Warren E Wilde Plumbing	1217 Thelen Avenue	Kaukauna	WI	54130
Watters Plumbing	1303 W. Midway Road	Menasha	WI	54952
Wellnitz Plumbing	4810 Amberwood Lane	Appleton	WI	54913