

**Subject:** Request for Water Commission Approval for CTS Plastic Piping @ 21 & 23 South St.  
**Date:** Tuesday, August 5, 2025 at 10:53:28 AM Eastern Daylight Time  
**From:** Jill Marsano <jill@vtums.com>  
**To:** Bristol Town Administrator <townadmin@bristolvt.org>  
**Priority:** High  
**Attachments:** image.png, Outlook-1453678726.jpg

Greg,

This is the excerpt from the current water ordinance and specifies that plastic piping requires approval by the Water Commission. Please advise how we might get that. My recommendations for approval follow the pasted excerpt.

- 6.03 The materials and equipment used shall meet the most recent A.W.W.A. specifications and shall be compatible with materials and equipment utilized in the existing Town's water system.
- a. Type K copper pipe is preferred for service lines.
  - b. Ductile iron is preferred for water main lines.
  - c. The use of plastic piping requires approval by the Water Commission on a case-by-case basis.
  - d. Tracer wire shall be installed with all plastic piping.

### **Jill's Recommendations and Request for Approval from Water Commission**

Emergency Repair 21 & 23 South St. - Failed galvanized portion of waterline needing immediate replacement:

Owner is requesting for the Town/Water System to allow his contractor to install 3/4" CTS piping to replace existing galvanized waterline from the curb into the 2-unit complex at 21/23 South Street.

Jill Marsano, Certified Water Operator's suggested approval:

1. Run 3/4" Type K copper for the new service line using brass compression couplings at any connection points. The curb at this location was recently replaced and has a 3/4" CTS brass compression coupling to connect to.
2. Alternatively, run 3/4" CTS NSF Approved, Rated for a minimum of 250 psi, with stainless steel inserts and brass compression couplings at any connection points. In addition, install 12 gauge 30 ml copperhead high strength PVC coated tracer wire along the entire line and into a snake pit light duty, blue single termination cast iron lid, access point.

[3/4" CTS NSF Approved, Rated for 250 psi](#)

[3/4" CTS NSF Approved Brass Compression Straight Couplings AY-McDonald](#)

[Copperhead Open Cut High Strength PVC Coated Tracer Wire](#)



## High-Strength CCS Open Cut Tracer Wire | Copperhead Industries

High Strength CCS Tracer Wire High Strength Copper-Clad Steel Tracer Wire is a strong yet flexible conductor. Most commonly specified for open cut/trenching/plowing applications when the ground above the utilities can be disturbed, and there are no buildings, roadways, or other obstructions in the way.

[copperheadwire.com](http://copperheadwire.com)

[Copperhead Snakepit Access Point - Blue 12 Gauge 30 Mil Light Duty for Lawn Applications](#)



## SnakePit ® Access Point - Copperhead Wire

SnakePit ® Access Point The SnakePit ® Access Point is an at-grade tracer wire termination and grounding station. It provides a direct connection point for a utility locate transmitter to hook to a tracer wire system. Five SnakePit styles are available for your specific application. SnakePit ® Lite Duty and Lite Duty Adjustable are designed for light traffic areas such as yards and

[copperheadwire.com](http://copperheadwire.com)

In addition, please advise if we can add this to our construction specifications as an approved alternative to type k copper.

As an FYI, Type K copper has the following pressure ratings:

| Nominal Size (in) | Working Pressure (psi) |       | Actual Burst Pressure (psi) |
|-------------------|------------------------|-------|-----------------------------|
|                   | Annealed               | Drawn |                             |
| 3/4               | 346                    | 4715  |                             |

Jill M.

Jill Marsano  
Licensed Water & Wastewater Operator - State of Vermont  
Owner/President

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