

# TOWN OF MILO, NEW YORK

Department of Sewer and Water

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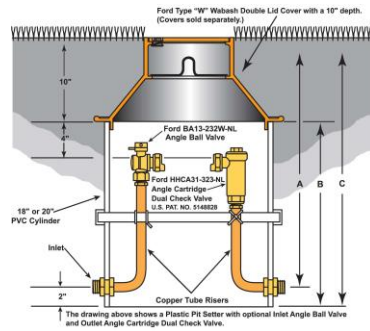
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## WATER SERVICE AND WATER TAPS CONNECTION AND CONSTRUCTION STANDARDS

- A completed application, which such application is available at Town Hall or at our website, for a new water service shall be submitted to the Code Enforcement Officer of the Town of Milo. Such application shall include:
  - A copy of the contractor's certificate of liability insurance, which shall have a minimum limit of \$1 million dollars for each occurrence.
  - Signature of the owner of the subject lot of record.
- No work shall start until approval has been granted by the Town of Milo. For that reason, the contractor shall contact the sewer and water operators of the Town of Milo prior to starting any work.
- The contractor shall contact Dig Safely – NY and request a utility stake-out prior to starting any excavation work.
- All materials and/or equipment shall be new and first quality. Damaged or faulty materials and/or equipment will not be accepted.
- "Lead Free" brass water works products shall meet the requirement of ASNI/AWWA C800 and the maximum lead content of S.3874 and NSF 61 Annex G. The manufacturer's designation as a Lead Free product shall be permanently stamped or cast into the product's body. Only "Lead Free" brass water works products shall be installed in contact with potable water.
- Tapping of the public water main shall be performed by a contractor approved by the sewer and water operators of the Town of Milo. In addition, all parts for tapping shall be approved by the sewer and water operators of the Town of Milo. For example, repair clamps (tapped or standard) shall be FORD All Stainless Steel Repair Clamps Style FSI 15 inches minimum in length with a full diameter rubber gasket. Please refer to attached FORD specification sheet for more information.
- All curb stops and curb boxes shall be located in the right-of-way at a public road or in an approved location at a private road. In addition, curb stops and curb boxes shall not be located in the ditch line or road shoulder at any road.
- Curb boxes shall not be covered/hidden by landscaping, pavement, gravel, sod or any other type of vegetation or structures.
- All fittings and appurtenances shall conform to the applicable AWWA standard.
- Water service line shall be either:
  - HDPE SDR 9 poly with a blue stripe; or
  - Type K copper.
- Water service line shall have a minimum burial depth of 54 inches. Sand bedding shall be used around water service for a depth of one foot. A plastic sleeve may be used in lieu of sand bedding. In public right of ways, bankrun gravel will be placed and tamped in one foot lifts until the trench is back to its original grade. Care shall be taken to eliminate any large and/or sharp stones in the backfill which may damage the water service.
- Water service line over 200 feet in length shall require an approved meter pit to be installed in the right-of-way at a public road or in an approved location at a private road.



**Figure 1 – Example of a Water Meter Pit**

- All water service lines will have a blue tracer wire that is buried adjacent to the water service line and brought to the top of the curb box (with an additional 1 feet of slack) and secured in a manner that is accessible for a locator as well as in the building at the location of the water meter. In addition, tracer wire shall be blue in color, #12 AWG high strength copper clad steel conductor (HS-CCS) insulated with 30 mil HDPE insulation and rated for direct burial at 30 volts (Copperhead Industries or approved equal).



**Figure 2 – “Blue” Tracer Wire**

- The interior installation of water meters shall be located in an approved location that is:
  - Accessible and safe; and
  - Dry and located above the base flood elevation, if the latter is applicable; and
  - Heated.
- At the location of the water meter, a ¼ turn ball valve, water meter (Note. Town of Milo supplies ¾” water meter at no charge. Owners shall reimburse the Town of Milo for the cost of any water meters greater than ¾” prior to installation.), pressure reducing valve, double check valve and a ¼ turn ball valve, which is installed in that order.
- REQUIRED INSPECTIONS. The installation of a water service line shall be inspected by the operators of the Town of Milo prior to backfilling. Failure to have the water service line inspected shall cause the operator to refuse water service to such structure.
- REQUIRED SITE PLAN. A site plan, which can be hand drawn, with measurements from two points taken from the structure to the curb box/curb stop shall be submitted to the operator of the Town of Milo. Failure to provide such site plan shall cause the operator to refuse water service to such structure.
- CROSS CONNECTION CONTROL. If the structure contains a nonresidential use, please contact the operator of the Town of Milo to ascertain if a backflow prevention assembly is required to be approved by NYSDOH.



**Figure 3 – Example of a Backflow Prevention Assembly**

# Ford All Stainless Steel Repair Clamps

## Style FS1 (single section) Operating Range .40" (5.14" and larger)

ANSI/NSF Standard 61  
see page L-3

MEETS  
AWWA  
C230



To order: Specify Catalog Number x Length of clamp desired.

Example: FS1-724-12.5 would be a single section clamp for pipe with an O.D. of between 6.84 and 7.24, and the length of the clamp would be 12.5".

Options Include: Buna-N Gasket - add "-N" to catalog number  
EPDM Gasket - add "-EPDM" to catalog number  
Conductivity Strips - add "-CS" to catalog number  
316 Stainless Steel - add "-Q" to catalog number

Note: Sizes and lengths not listed (including metric) are available upon request. Contact the Ford Meter Box Customer Service Department for information.

Nom. Pipe Size	Pipe O.D. Range	Catalog Number	Length and Approximate Shipping Weight Lbs.							
			6"	7.5"	10"	12.5"	15"	20"	24"	30"
2"	1.95-2.15	FS1-215-Length	4 Lbs.	4 Lbs.	5 Lbs.	5 Lbs.	N/A			
	2.05-2.25	FS1-225-Length	4	4	5	5	N/A	N/A	N/A	N/A
	2.35-2.63	FS1-263-Length	4	4	5	5	7			
2-1/4"x2-1/2"	2.70-3.00	FS1-300-Length	4	5	5	6	8	N/A	N/A	N/A
	2.97-3.25	FS1-325-Length								
3"	3.45-3.70	FS1-370-Length	4	5	5	6	9	N/A	N/A	N/A
	3.73-4.00	FS1-400-Length								
	3.95-4.25	FS1-425-Length								
3"- 4"	4.45-4.73	FS1-473-Length	5	5	6	7	9	N/A	N/A	N/A
	4.50-4.80	FS1-480-Length								
4"	4.74-5.14	FS1-514-Length	5	6	7	8	10	14	16	21
	4.95-5.35	FS1-535-Length								
	5.22-5.62	FS1-562-Length								
	5.95-6.35	FS1-635-Length								
	6.58-6.98	FS1-696-Length								
6"	6.84-7.24	FS1-724-Length	N/A	7	9	10	14	17	21	27
	7.05-7.45	FS1-745-Length								
	7.45-7.85	FS1-785-Length								
	7.95-8.35	FS1-835-Length								
8"	8.54-8.94	FS1-894-Length	N/A	8	10	11	15	19	24	30
	8.99-9.39	FS1-939-Length								
	9.27-9.67	FS1-967-Length								
	9.70-10.10	FS1-1010-Length								
	10.60-11.04	FS1-1104-Length								
10"	11.04-11.44	FS1-1144-Length	N/A	11	14	16	24	28	32	42
	11.34-11.74	FS1-1174-Length								
	11.75-12.15	FS1-1215-Length								
	12.00-12.40	FS1-1240-Length								
12"	12.60-13.02	FS1-1302-Length	N/A	13	16	18	27	30	36	48
	13.10-13.50	FS1-1350-Length								
	13.40-13.80	FS1-1380-Length								
	13.70-14.10	FS1-1410-Length								
	14.00-14.40	FS1-1440-Length								
Number of Studs			2	2	3	3-4*	4	6	7	9

\*12.5" long clamps in the 10" and 12" nominal pipe size have 4 studs.

## Tapped Repair Clamps



### Tapping Codes

Size	Code Number	CC (AWWA) THREAD		IP THREAD			
		Min. Size		Min. Size			
		FS1	FS2	FS1	FS2		
3/4"	CC3	2.63	5.24	3/4"	IP3	2.63	5.24
1"	CC4	2.63	5.24	1"	IP4	2.63	5.24
1-1/4"	*CC5	3.70	5.24	1-1/4"	*IP5	3.70	5.24
1-1/2"	CC6	4.25	5.24	1-1/2"	IP6	3.70	5.24
2"	CC7	4.73	5.57	2"	IP7	4.25	5.57

\* Contact factory for availability

OUTLET TAPS for corporation stops are available on Ford All Stainless Steel Clamps. The minimum clamp size for each tap type and size is listed in the tapping code table above. The tapped outlet is 18-8 Type 304 stainless steel and is "fused" to the clamp band by a fully passivated TIG weld.

To Order: 1. Select the proper code from table to match desired size and type of thread.  
2. Add code to catalog number of repair clamp.

Example: The number for an FS1-724-12.5 with a 3/4" CC tap is FS1-724-125-CC3.

TYPICAL WATER SERVICE INSTALLATION AT A RESIDENTIAL USE

