



THE LATERAL CONNECTION CORP.

Forced Sewer Applications



27576 - 51A Avenue | 6460 SW 50th Terrace
Langley, BC • V4W 4A9 • Canada | Ocala, FL • 34474 • USA
Phone: 800-993-2599 Fax: 888-302-7199 | Phone: 877-528-2660 Fax: 888-302-7199

www.lateralconnection.com



Curb Stop/Swing Check Forced Sewer Assemblies - Specifications

Performance™ Series

Description

- Polypropylene Curb Stops/PVC Swing Check Forced Sewer Assemblies for PE/PVC pressure piping applications.

Range

- IPS (OD) available in 1¼", 1½", 2"
- CTS (OD) available in 1½", 2"
- PVC (Socket) available in 1½", 2"

Tube

- Connect to certified PE/PVC pipe
- IPS (OD) - For use on SDR 7 thru SDR 17
- CTS (OD) - For use on SDR 9 & SDR 11

Working Pressure

- Pressure rating: 200 PSI @ 73° F (23° C)

Features

- Compression (IPS, CTS) & Socket (PVC) end connectors available
- Inbuilt torque overload protection (handle on curbstop will ratchet like the cap on a car's gas tank)
- Fully Serviceable
- EPDM O-Rings
- 100% hydro tested prior to leaving the factory
- Extremely smooth handle operation
- UV stabilized
- Extensively used worldwide
- ISO 9002 certified
- Pre-assembled prior to leaving the factory

Applications

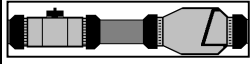
- Low Pressure Sewer Systems (LPS)

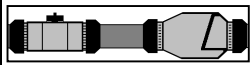


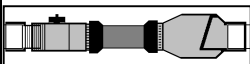
27576 - 51A Avenue | 6460 SW 50th Terrace
Langley, BC • V4W 4A9 • Canada | Ocala, FL • 34474 • USA
Phone: 800-993-2599 Fax: 888-302-7199 | Phone: 877-528-2660 Fax: 888-302-7199

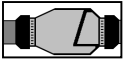


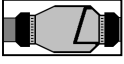
Curb Stop/Swing Check Forced Sewer Assemblies

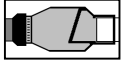
IPS (OD) SDR-11 Polyethylene - Compression x Compression		
	Part #	Size
	GR1125	1 1/4" x 1 1/4"
	GR3150	1 1/2" x 1 1/2"
	GR6211	2" x 2"

CTS-SDR 9 Polyethylene - Compression x Compression		
	Part #	Size
	GR2150	1 1/2" x 1 1/2"
	GR6209	2" x 2"

Sch. 40 PVC - Socket x Socket		
	Part #	Size
	GR4150	1 1/2" x 1 1/2"
	GR6200	2" x 2"

Swing Checks - Compression x Compression for IPS (OD) Poly.		
	Part #	Size
	961558	1 1/4" x 1 1/4"
	961559	1 1/4" x 1 1/2"
	965660	1 1/2" x 1 1/2"
	965667	1 1/2" x 2"
	965668	2" x 2"

Swing Checks - Compression x Compression for CTS - SDR 9 Poly.		
	Part #	Size
	961558	1 1/2" x 1 1/2"
	961559	1 1/2" x 2"
	965660	2" x 2"

Swing Checks - IPS (OD) SDR-11 Comp. X PVC Sol. Weld Socket		
	Part #	Size
	961557	1 1/4" x 1 1/2"
	961577	1 1/2" x 2"

27576 - 51A Avenue | 6460 SW 50th Terrace
 Langley, BC • V4W 4A9 • Canada | Ocala, FL • 34474 • USA
 Phone: 800-993-2599 Fax: 888-302-7199 | Phone: 877-528-2660 Fax: 888-302-7199



HDPE x 304 Stainless Steel Thread Transition Fittings - Specifications

Description

- Polyethylene x 304 Stainless Steel Male Threaded Transition Fittings.

Range

- IPS (OD) x MIPT available in 1¼". Various pipe lengths available.

Materials

- IPS (OD) - HDPE available in SDR 11
- 304 Stainless Steel, Schedule 40

Working Pressure

- Pressure rating: 160 PSI @ 73° F (23° C)

Features

- Designed specifically to connect your pump station to polyethylene tubing.
- 304 Stainless Steel MIPT provides additional strength at the joint.
- HDPE available in SDR 11.
- Available in various pipe lengths.

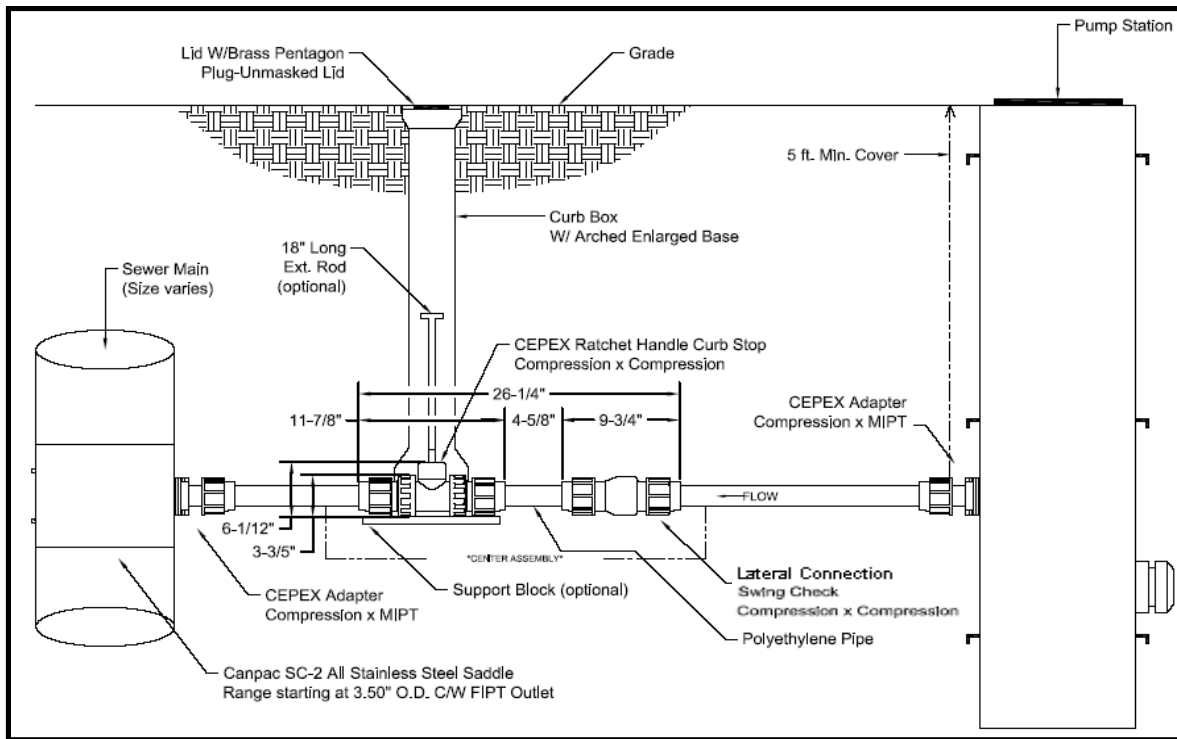
Applications

- Low Pressure Sewer Systems (LPS)

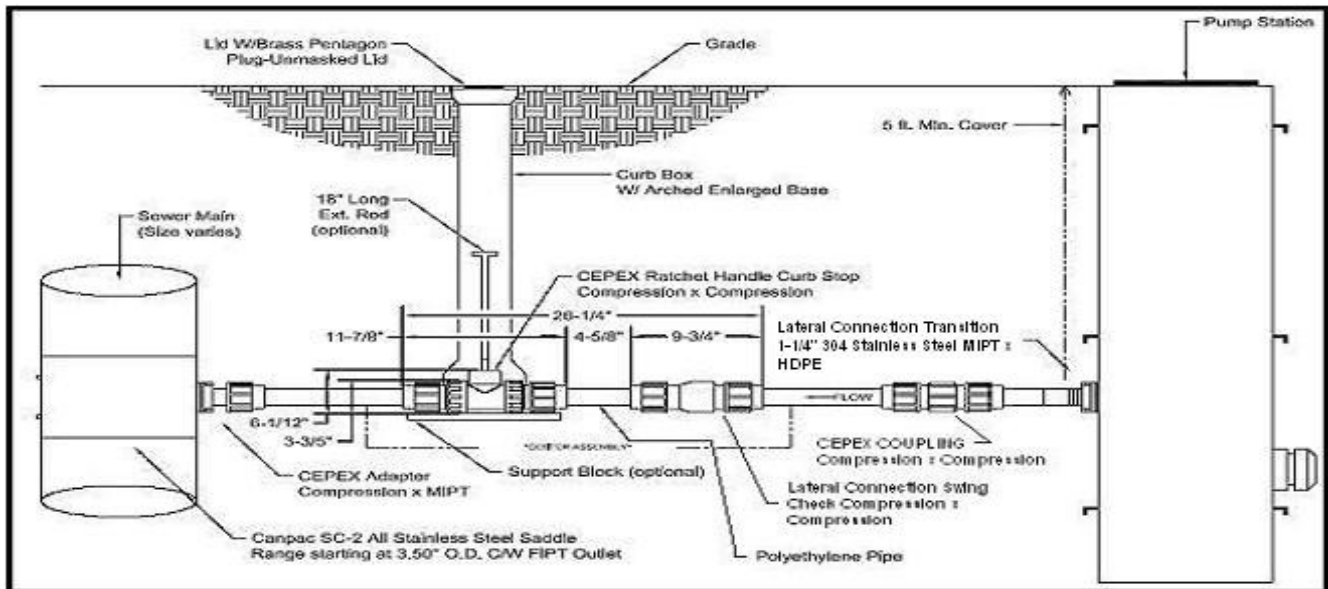




Forced Sewer Model With Cepex Male Adapter to Pump Station



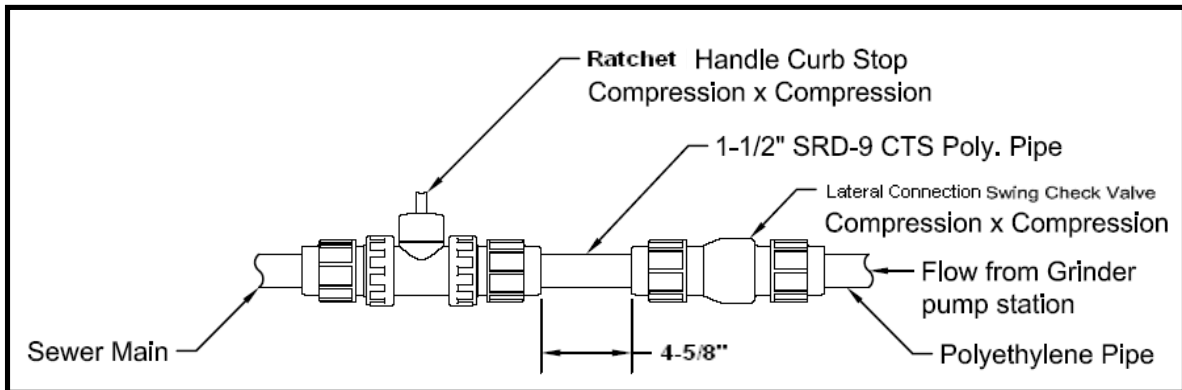
Forced Sewer Model With Lateral HDPE x SS Transition to Pump Station



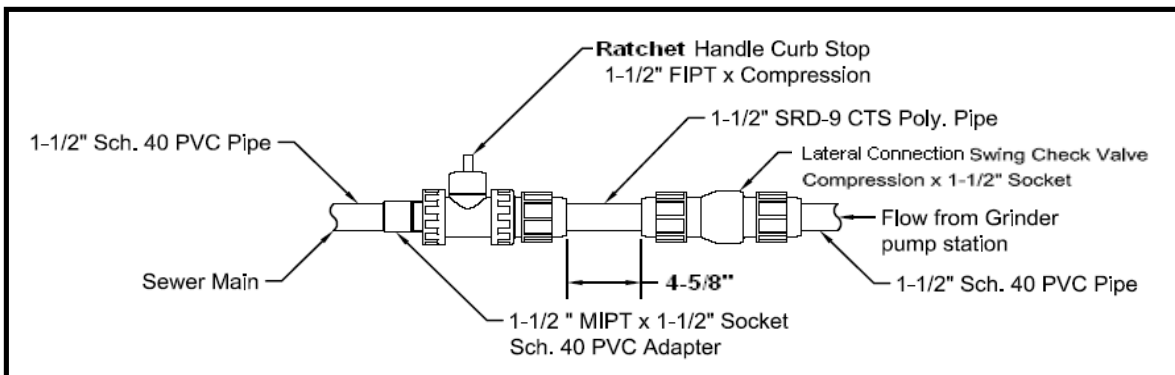
27576 - 51A Avenue | 6460 SW 50th Terrace
Langley, BC • V4W 4A9 • Canada | Ocala, FL • 34474 • USA
Phone: 800-993-2599 Fax: 888-302-7199 | Phone: 800-993-2599 Fax: 888-302-7199



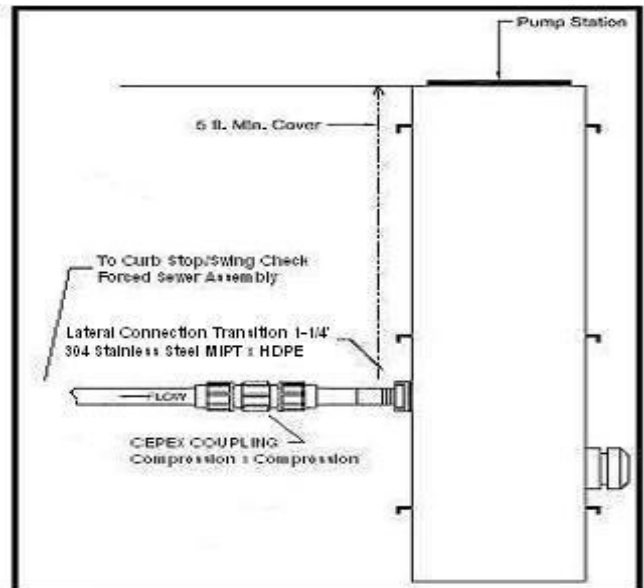
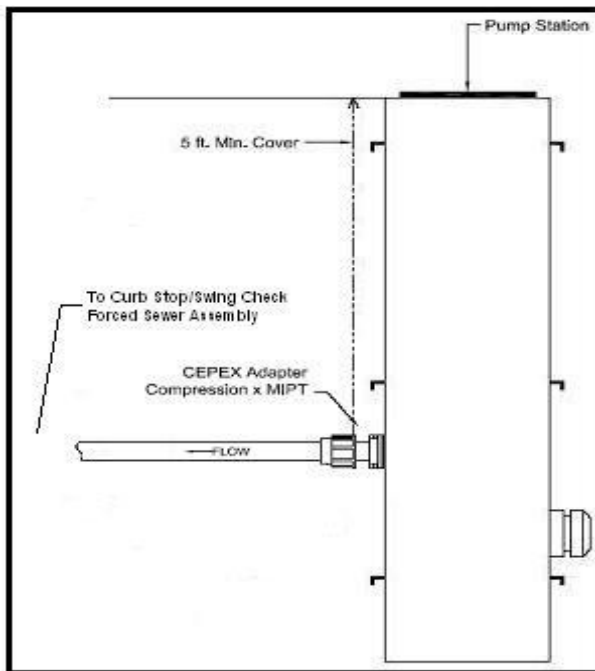
Curb Stop/Swing Check Forced Sewer Assembly - Compression x Compression



Curb Stop/Swing Check Forced Sewer Assembly - PVC Socket x PVC Socket



Pump Station Connections (Cepex MIPT Adapter & Lateral Connection SS x HDPE Transition)



27576 - 51A Avenue | 6460 SW 50th Terrace
 Langley, BC • V4W 4A9 • Canada | Ocala, FL • 34474 • USA
 Phone: 800-993-2599 Fax: 888-302-7199 | Phone: 800-993-2599 Fax: 888-302-7199



Specifications for Forced Sewer Applications

Curb Stop Valves:

Thermoplastic curb stop valves for forced sewer applications shall be manufactured from Polypropylene compound and be ISO 9002 certified. All valves shall be rated for 200 PSI Service. Each valve shall have an operating handle profiled for manual or service key operation. The handle shall have a built-in safety feature that disengages and ratchets in either direction when operating torque exceeds 20 ft. lbs.. Valves shall have end connections to accommodate the specified service tubing.

Swing Checks:

Swing check valves for forced sewer services shall be manufactured from Ultra High Impact PVC Material. All valves shall be rated for 150 PSI working pressure. Valves shall have end connections to accommodate the specified service tubing.

Service Connection Fittings:

Thermoplastic pressure fittings for cold-water applications shall be manufactured from Polypropylene compound and shall be rated for 200-PSI service. Fittings shall have outside O-ring sealed compression ends designed for the specified service tubing and shall be color-coded – (Blue for IPS OD Poly. and Copper Colored for CTS Poly). Fittings should be ISO 9002 and NSF certified. Install fittings as per manufacture's recommendations.

HDPE x SS MIPT Transition Adapters:

IPS (OD) HDPE available in SDR 11 & SDR 17. Various lengths available upon request. All threads are manufactured from Type 304 Stainless Steel. Transition adapters are rated to 200-PSI service. HDPE ends are able to accommodate various connecting methods including compression fittings, electrofusion fittings or butt-fusion.

Stainless Steel Service Saddles:

Stainless Steel Service Saddles shall be manufactured from Type 304 Stainless Steel and all welds must be fully passivated. Gasket shall be manufactured from SBR rubber and be seated in a preformed cavity in the shell for retention of the gasket. Saddles shall have a working pressure of 200 PSI and have been fully tested for use on Polyethylene main line pipe up through 12" diameter.

Curb Stop/Swing Check Assembly:

The Curb Stop/Swing Check Assembly shall contain a Curb Stop as described under heading "Curb Stop" and a Swing Check as described under heading "Swing Check". The Curb Stop and Swing check shall be joined with a section of 6" through 12" Polyethylene pipe of the same size as the lateral specified tubing. The assembly shall be shipped as a completed unit with ends to accommodate the specified service tubing.

27576 - 51A Avenue | 6460 SW 50th Terrace
Langley, BC • V4W 4A9 • Canada | Ocala, FL • 34474 • USA
Phone: 800-993-2599 Fax: 888-302-7199 | Phone: 800-993-2599 Fax: 888-302-7199



Installation Instructions:

Compression Ends

1. **Cut the pipe square or straight** (*Preferably with Pipe Cutters*).
2. **Chamfer the outer edge of the pipe** (*Preferably with a chamfer tool*).
3. **Insert pipe to first stop, which will be the o-ring** (*The o-ring has been lubricated to make insertion easier*).
4. **Push pipe past the o-ring to next stop.**
- 5a. **Tighten the nut using a strap wrench, Cepex plastic wrench or a wrench** (*Keep in mind that you are using plastic and not an indestructible material*).
- 5b. **Follow installation procedure for compression fittings but when tightening compression nut of the Curb Stop, secure with (back wrench) the union nut of the valve. This will prevent over tightening of the union nut. After tightening the compression end or ends of the valve check to see if the valve is operating properly.** (Note: If the handle of the ball valve does not turn or the ratchet of the curb stop engages immediately then the ball is seized. To correct: loosen the union nut on the inlet side of the valve and retighten, checking the operation of the valve as you do so).

*** Insure that check valve orientation is correct after unit is installed.**

Male Threaded Ends

1. **Double wrap threads with Teflon tape or use Teflon paste** (*Use only Teflon based paste not petroleum based*).
2. **Thread male end into female end using a strap wrench or a wrench** (*Do not over tighten*).

27576 - 51A Avenue | 6460 SW 50th Terrace
Langley, BC • V4W 4A9 • Canada | Ocala, FL • 34474 • USA
Phone: 800-993-2599 Fax: 888-302-7199 | Phone: 800-993-2599 Fax: 888-302-7199