

Cascade CR1 or approved equal

## Sanitary Sewer

<u>Material</u>	<u>Description</u>
• Main line	SDR 26 PVC pipe under 20' deep. Class 52 DI. over 20' deep (material transitions must be at structures)
• Fittings	SDR 26-3034 with gasket
• Sanitary Service Saddle	Cascade Waterworks CSWRT for existing sewers (no mainline removal)
• Service Connections	Tee-Wye or Wye with 1/8 bend
• Couplings	Where required all couplings will be a non-shear type
• Structures and and	pre-cast monolithic bottom with boots (grout annular space inside around boot)
• Chimney seal	Adaptor Inc. Internal/External Adapter seal or approved equal.
• Frame seal	EZ – Stick Butyl joint sealant, PTI 707 Butyl sealant or approved Equal. Must meet Federal specification TT-S-001657 Apply ¼" thick to surfaces between frames, adjusting rings, and cones.
• Joint Wrap	External seal on all barrel sections (Canusa or Infi-shield) or equal
• Adjusting Rings	LADTECH HDPE adjusting ring system or approved equal

## Storm Sewer

- Pipe Reinforced Concrete Pipe conforming to ASTM C-76, B- wall
- Joints O-Ring joint meeting ASTM C361

## Trench Backfill

- New Installations:  
Bedding: CA-11 (#6 Wash)  
Cover: PVC – 12" over top of pipe. DI – to spring line  
Backfill: CA-6 mechanically compacted in 9" lifts
- Reconstruction:  
(AC Pipe)  
Bedding: CA-11 (#6 Wash) minimum two feet over pipe.  
Backfill: CA-11 (#6 Wash) to three feet from top of trench then CA-6 mechanically compacted in 9" lifts to top of trench.