

## Engineering & Construction Services Division Standard Drawings for Sewers and Watermains

**Revision No. 13** 

April 2017

Superseded/Cancelled (Remove)		Revised/New (Insert)		Drawings for Sewers and Watermains
T No.	Revision	T No.	Revision	Remarks
All T- drawings				<ul> <li>Revision numbers:</li> <li>Revision No. 0 means original release.</li> <li>Revision No. 1 means first revision.</li> <li>Revision No. 2 means second revision Revision No. 3 means third revision and so on.</li> </ul>
		T-1110.01-1 Apr 2017	0	<ul> <li>Class A Trench Detail High Risk PCCP</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.01-2 Apr 2017	0	Class B1 Trench Detail Medium Risk PCCP  • New drawing for large diameter watermains.
		T-1110.01-3 Apr 2017	0	<ul> <li>Class B Trench Detail Low Risk PCCP</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.01-4 Apr 2017	0	Open Cut Protection for Non-Encased Pipe (High Density Polyethylene) High and Medium Risk  New drawing for large diameter watermains.
		T-1110.01-5 Apr 2017	0	Trench Detail Low Risk High Density Polyethylene Pipe  New drawing for large diameter watermains.
		T-1110.01-6 Apr 2017	0	Trench Detail Low Risk Ductile Iron Pipe  • New drawing for large diameter watermains.
		T-1110.01-7 Apr 2017	0	Trench Detail Low Risk Polyvinyl Chloride Pipe  New drawing for large diameter watermains.
		T-1110.01-8 Apr 2017	0	Trench Detail Low and Medium Risk Stainless Steel Pipe  New drawing for large diameter watermains.
		T-1110.01-9 Apr 2017	0	<ul> <li>Trench Detail Low and Medium Risk Steel</li> <li>Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.01-10 Apr 2017	0	Trench Detail High Risk Concrete Encasement (Welded Steel Pipe)  New drawing for large diameter watermains.

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T No.	Revision	T No.	Revision	Remarks
		T-1110.02-1 Apr 2017	0	Tunnel Liner Detail Pre-stressed Concrete Cylinder Pipe  New drawing for large diameter watermains.
		T-1110.02-2 Apr 2017	0	<ul><li>Tunnel Liner Detail HDPE Pipe</li><li>New drawing for large diameter watermains.</li></ul>
		T-1110.02-3 Apr 2017	0	<ul> <li>Tunnel Liner Detail Steel or Stainless</li> <li>Steel Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.03-1 Apr 2017	0	<ul> <li>PCCP Connection to Steel Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.03-2 Apr 2017	0	<ul> <li>PCCP Connection to HDPE Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.03-3 Apr 2017	0	<ul> <li>PCCP Connection to Stainless Steel Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.03-4 Apr 2017	0	Steel Pipe Connection to HDPE Pipe  • New drawing for large diameter watermains.
		T-1110.03-5 Apr 2017	0	<ul> <li>Steel Pipe Connection to Stainless Steel</li> <li>Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.03-6 Apr 2017	0	<ul> <li>PCCP Connection to Ductile Iron Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.03-7 Apr 2017	0	<ul><li>PCCP Connection to PVC Pipe</li><li>New drawing for large diameter watermains.</li></ul>
		T-1110.03-8 Apr 2017	0	<ul> <li>Steel Pipe Connection to Ductile Iron Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.03-9 Apr 2017	0	<ul> <li>Steel Pipe Connection to PVC Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.03-10 Apr 2017	0	Polyethylene Pipe Connection to Stainless Steel Pipe  • New drawing for large diameter watermains.
		T-1110.03-11 Apr 2017	0	Polyethylene Pipe Connection to Ductile Iron Pipe  • New drawing for large diameter watermains.
		T-1110.03-12 Apr 2017	0	Polyethylene Pipe Connection to PVC Pipe  • New drawing for large diameter watermains.

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		T-1110.03-13 Apr 2017	0	<ul> <li>Stainless Steel Pipe Connection to Ductile Iron Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.03-14 Apr 2017	0	Stainless Steel Pipe Connection to PVC Pipe  New drawing for large diameter watermains.
		T-1110.03-15 Apr 2017	0	<ul> <li>Ductile Iron Pipe Connection to PVC Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.04-1 Apr 2017	0	<ul> <li>Steel Pipe Welding Detail Butt-Joint</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.04-2 Apr 2017	0	<ul> <li>Steel / Stainless Steel Pipe Welding Detail Lap-Joint</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.05-1 Apr 2017	0	Tunnel Railway Crossing Pre-stressed Concrete Pressure Pipe  New drawing for large diameter watermains.
		T-1110.05-2 Apr 2017	0	Tunnel Railway Crossing Detail Stainless Steel Pipe  New drawing for large diameter watermains.
		T-1110.05-3 Apr 2017	0	<ul> <li>Tunnel Railway Crossing Detail Steel Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.06-1 Apr 2017	0	Tunnel Highway Crossing Detail Concrete Pipe  New drawing for large diameter watermains.
		T-1110.06-2 Apr 2017	0	<ul> <li>Tunnel Highway Crossing Detail Steel</li> <li>Pipe</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.07-1 Apr 2017	0	Miscellaneous Appurtenances – Precast Chambers  • New drawing for large diameter watermains.
		T-1110.07-2 Apr 2017	0	Miscellaneous Appurtenances – Cast in Place Chambers  • New drawing for large diameter watermains.
		T-1110.07-3 Apr 2017	0	<ul><li>Sump and Drain Details</li><li>New drawing for large diameter watermains.</li></ul>
		T-1110.07-4 Apr 2017	0	<ul> <li>Precast 100mm Air Valve or M.H. Chamber</li> <li>New drawing for large diameter watermains.</li> </ul>

April 2017 Page 3 of 4 Revision No. 13

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		T-1110.07-5 Apr 2017	0	Precast 100mm Air Valve and M.H. Chamber  • New drawing for large diameter watermains.
		T-1110.07-6 Apr 2017	0	Precast 300mm Drain Valve and M.H. Chamber  New drawing for large diameter watermains.
		T-1110.08-1 Apr 2017	0	<ul> <li>750 mm Horizontal Butterfly Valve</li> <li>Chamber (Position A)</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.08-2 Apr 2017	0	<ul> <li>750 mm Horizontal Butterfly Valve</li> <li>Chamber (Position B)</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.09-1 Apr 2017	0	<ul> <li>900 mm Horizontal Butterfly Valve</li> <li>Chamber (Position A)</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.09-2 Apr 2017	0	<ul> <li>900 mm Horizontal Butterfly Valve</li> <li>Chamber (Position b)</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.10-1 Apr 2017	0	<ul> <li>1050 mm Horizontal Butterfly Valve</li> <li>Chamber (Position A)</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.10-2 Apr 2017	0	<ul> <li>1050 mm Horizontal Butterfly Valve</li> <li>Chamber (Position B)</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.11-1 Apr 2017	0	<ul> <li>1200 mm Horizontal Butterfly Valve</li> <li>Chamber (Position A)</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.11-2 Apr 2017	0	<ul> <li>1200 mm Horizontal Butterfly Valve</li> <li>Chamber (Position B)</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.12-1 Apr 2017	0	<ul> <li>1350 mm Horizontal Butterfly Valve</li> <li>Chamber (Position A)</li> <li>New drawing for large diameter watermains.</li> </ul>
		T-1110.12-2 Apr 2017	0	<ul> <li>1350 mm Horizontal Butterfly Valve</li> <li>Chamber (Position B)</li> <li>New drawing for large diameter watermains.</li> </ul>