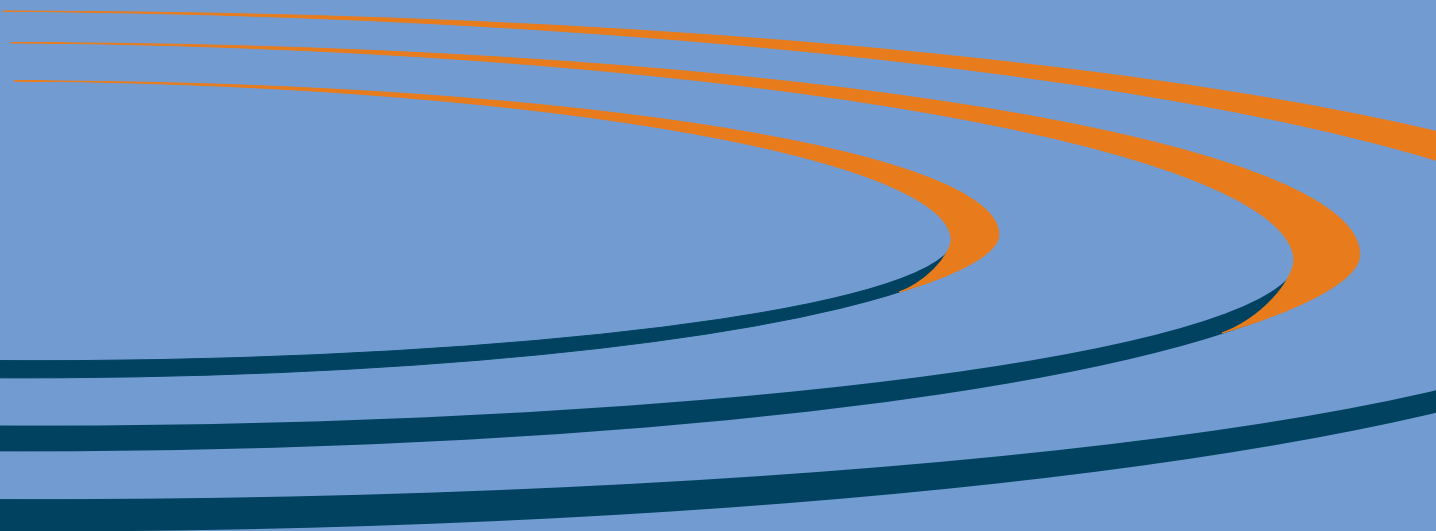




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Second Edition

Version 2.3

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30.8 WAT-1406 and WAT-1407 – Valve connection & by-pass arrangements

30.9 WAT-1408 – Joint corrosion protection

30.10 WAT-1409 – Hydrant installation fittings – PE assemblies

STANDARD DRAWINGS

TABLES

TABLE 28.1 MINIMUM TRENCH DIMENSIONS

26 LISTING OF STANDARD DRAWINGS

DRAWING NUMBER	ACTIVITY	TITLE	Equivalent 1999 DRAWING NUMBER
PIPELINE LAYOUT			
WAT-1100	Design Layouts	Typical Locality Plan	
WAT-1101	Design Layouts	Typical Site Plan	
WAT-1102	Typical Mains Construction	Reticulation Main Arrangements	WAT-200
WAT-1103	Typical Mains Construction	Distribution and Transfer Mains	WAT-201
WAT-1104	Typical Mains Construction	DN 63 PE Cul-de-Sac Arrangement	WAT-202
WAT-1105	Typical Mains Construction	Connection to Existing Mains	
WAT-1106	Property Services	Single Service Main to Meter	WAT-300
WAT-1107	Property Services	Split Service Main to Meter	WAT-301
WAT-1108	Property Services	Connection to Main	WAT-302
WAT-1109	Property Services	Above Ground Meter Assembly Arrangement	WAT-303
EMBEDMENT / TRENCHFILL AND RESTRAINTS			
WAT-1200	Soil Classification Guidelines	And Allowable Bearing Pressures for Anchors and Thrust Blocks	WAT-400
WAT-1201	Embedment & Trenchfill	Typical Arrangement	WAT-100
WAT-1202	Standard Embedment	All Pipe Types	
WAT-1203	Special Embedments	Inadequate and Poor Foundation	WAT-101
WAT-1204	Special Embedments	Concrete, Geotextile and Cement Stabilised Systems	WAT-102
WAT-1205	Thrust Block Details	Concrete Blocks	WAT-203
WAT-1206	Thrust Block Details	Timber & Recycled Plastic Blocks	WAT-204
WAT-1207	Thrust and Anchor Blocks	Gate Valves and Vertical Bends	WAT-205
WAT-1208	Restrained Joint System	DN 100 to DN 375 DI Mains	
WAT-1209	Trench Drainage	Bulkheads and Trenchstop	WAT-103
WAT-1210	Trench Drainage	Typical Systems	WAT-104
WAT-1211	Buried Crossings	Under Obstructions	WAT-105
WAT-1212	Buried Crossings	Major Roadways	WAT-106
WAT-1213	Buried Crossings	Railways	WAT-107
WAT-1214	Buried Crossings	Bored & Jacked Encasing Pipe Details	

DRAWING NUMBER	ACTIVITY	TITLE	Equivalent 1999 DRAWING NUMBER
INSTALLATION PRACTICES/ STRUCTURES			
WAT-1300	Valve and Hydrant Identification	Identification Markers & Marker Posts	WAT-207
WAT-1301	Typical Valve & Hydrant Installation	Valve Arrangement	WAT-206
WAT-1302	Typical Valve & Hydrant Installation	Hydrants and Air Relief Valves	WAT-206 WAT-210
WAT-1303	Typical Surface Fitting Installation	Gate Valve Surface Boxes Non Trafficable	WAT-208 WAT-209
WAT-1304	Typical Surface Fitting Installation	Gate Valve Surface Boxes Trafficable	
WAT-1305	Typical Surface Fitting Installation	Hydrant Surface Boxes Trafficable and Non Trafficable	
WAT-1306	Typical Surface Fitting Installation	Hydrant Surface Boxes Trafficable	
WAT-1307	Typical Appurtenance Installation	Scour Arrangements	WAT-211
WAT-1308	Typical Appurtenance Installation	Valve Chambers	
WAT-1309	Typical Appurtenance Installation	Pressure Reducing Valves (PRV)	WAT-213
WAT-1310	Aerial Crossings	Aqueduct	WAT-108
WAT-1311	Aerial Crossings	Aqueduct Protection Grille	WAT-109
WAT-1312	Aerial Crossings	Bridge Crossing Concepts	
WAT-1313	Flanged Joints	Bolting Details	
FABRICATION DETAILS			
WAT-1400	Typical Steel Pipe Jointing	Butt Welding of Joints	
WAT-1401	Typical Steel Pipe Jointing	Rubber Ring Joint Spigot Bands	
WAT-1402	Typical Steel Pipe Jointing	Welded Pipe Collars	
WAT-1403	Typical Steel Fabrication	Bends	
WAT-1404	Typical Steel Fabrication	Access Opening for Pipes \geq DN 750	
WAT-1405	Typical Steel Fabrication	Dismantling and Flexible Joints	
WAT-1406	Typical Steel Fabrication	Valve Connection & Bypass	
WAT-1407	DI Installation	Valve Bypass Arrangement DI and GRP Pipe	
WAT-1408	Joint Corrosion Protection	Cement Mortar Lined Steel Pipe DN 300 to DN 1200	
WAT-1409	Hydrant Installation Fittings	PE Assemblies	PE Code

NOTE: 1999 Drawing WAT-212 – “Swabbing Point Typical Arrangement” has been deleted from the new series of drawings