

IRISH WATER WATERMAIN DETAILS

Details Required	Drawing No.	Drawing Title	
Y	STD-W-01	Water service connection responsibility	
Y	STD-W-02	Typical layout for water mains within developments	
Y	STD-W-03	Customer connection & boundary box	
Y	STD-W-04	General pipe connections (sheet 1 of 7)	
Y	STD-W-05	General pipe connections (sheet 2 of 7)	
Y	STD-W-06	General pipe connections (sheet 3 of 7)	
Y	STD-W-07	General pipe connections (sheet 4 of 7)	
Y	STD-W-08	General pipe connections (sheet 5 of 7)	
Y	STD-W-09	General pipe connections (sheet 6 of 7)	
Y	STD-W-10	General pipe connections (sheet 7 of 7)	
Y	STD-W-11	Typical service layout indicating separation distances	
Y	STD-W-12	Restrictions on water infrastructure works adjacent to existing trees	
Y	STD-W-12A	Restrictions on new trees / shrubs planting adjacent to watermains	
Y	STD-W-13	Trench backfill & bedding	
Ν	STD-W-14	Sluice valve for ductile iron (D.I.) pipe (<350mm dia.) (sheet 1 of 2)	
Y	STD-W-15	Sluice valve for polyethylene (P.E.) pipe (<350mm dia.) (sheet 2 of 2)	
N	STD-W-16	On-line hydrant for ductile iron (D.I.) pipe (sheet 1 of 4)	
Ν	STD-W-17	Off-line hydrant for ductile iron (D.I.) pipe (sheet 2 of 4)	
Ν	STD-W-18	On-line hydrant for polyethylene (P.E.) pipe (sheet 3 of 4)	
N	STD-W-19	Off-line hydrant for polyethylene (P.E.) pipe (sheet 4 of 4)	
N	STD-W-20	On-line air valve for ductile iron (D.I.) pipe (sheet 1 of 4)	
N	STD-W-21	Off-line air valve for ductile iron (D.I.) pipe (sheet 2 of 4)	
N	STD-W-22	On-line air valve for polyethylene (P.E.) pipe (sheet 3 of 4)	
Ν	STD-W-23	Off-line air valve for polyethylene (P.E.) pipe (sheet 4 of 4)	
Ν	STD-W-24	Pressure reducing / sustaining valve (P.R.V. / P.S.V.) chamber	
Ν	STD-W-25	Booster pump station arrangement	
Ν	STD-W-26	Non Mech. Meter chamber (40 - 250mm dia.)	
Ν	STD-W-26A	Mech. Meter chamber (40 - 250mm dia.)	
Y	STD-W-27	Marker posts / plates	
Ν	STD-W-28	Water main thrust & support blocks	
Y	STD-W-29	Duct chamber	
Ν	STD-W-30	Scour chamber & head wall arrangements	
Ν	STD-W-30A	Washout hydrant	
N	STD-W-31	Typical ditch / stream crossing for water main	
N	STD-W-32	Typical bridge crossing for water main (sheet 1 of 2)	
N	STD-W-33	Typical bridge crossing for water main (sheet 2 of 2)	
N	STD-W-34	Security gate & fencing	
N	STD-W-35	Pipe repair to existing mains	
N	STD-W-36	Telemetry and wet kiosk	
Ν	STD-W-37	Lamp bollard & lamp standard	

Y	STD-WW-01	Waste water service connection responsibility	
Y	STD-WW-02	Typical layout for sewer within new developments	
Y	STD-WW-03	Drain & service connection pipework	
Y	STD-WW-04	Typical sewer / service pipe connection	
Y	STD-WW-05	Typical service layout indicating separation distances	
Y	STD-WW-06	Restrictions on wastewater infrastructure adjacent to trees	
Y	STD-WW-06A	Restrictions on new trees/shrubs planting adjacent to sewers	
Y	STD-WW-07	Trench backfill & bedding	
Y	STD-WW-08	Concrete bed, haunch & surround to wastewater pipes	
Ν	STD-WW-09	Blockwork manhole (<450mm dia.)	
Y	STD-WW-10	Pre-cast concrete manhole	
Ν	STD-WW-11	In-situ concrete manhole	
N	STD-WW-12	Backdrop manholes	
Y	STD-WW-13	Private side inspection chamber	
N	STD-WW-14	Thrust blocks for rising mains	
Y	STD-WW-15	Scour valve chamber (foul rising main <200mm dia.)	
	STD-WW-16	Sluice valve details for rising mains ductile iron (D.I.) pipe (<200n	
N		dia.) (sheet 1 of 2)	
	STD-WW-17	Sluice valve details for rising mains ductile iron (D.I.) pipe (<200n	
N		dia.) (sheet 2 of 2)	
N	STD-WW-18	Air valve chamber (foul rising main <200mm dia.)	
Y	STD-WW-19	Duct chamber	
N	STD-WW-20	Emergency overflow structure	
N	STD-WW-21	Typical ditch/stream crossing for gravity main (sheet 1 of 2)	
N	STD-WW-22	Typical ditch/stream crossing for gravity main (sheet 2 of 2)	
N	STD-WW-23	Typical bridge crossing for rising main (sheet 1 of 2)	
N	STD-WW-24	Typical bridge crossing for rising main (sheet 2 of 2)	
N	STD-WW-25	Security gate & fencing	
N	STD-WW-26	Indicative pumping station layout	
N	STD-WW-27	Flow meter chamber (foul rising main <200mm dia.)	
N	STD-WW-28	Indicative submersible pumping station	
N	STD-WW-28A	Indicative pre-cast concrete submersible pumping station	
N	STD-WW-29	Rising main discharge manhole	
N	STD-WW-30	Kiosk type 1 pumping station & wet kiosk (sheet 1 of 2)	
N	STD-WW-31	Kiosk type 2 + 3 pumping station & wet kiosk (sheet 2 of 2)	
Ν	STD-WW-32	Hardstanding area pumping station (permeable & impermeable)	

STD-WW-33 Lamp bollard & lamp standard

STD-WW-34 Vent stack

Details Required Drawing No.

© PUNCH Consulting Engineers

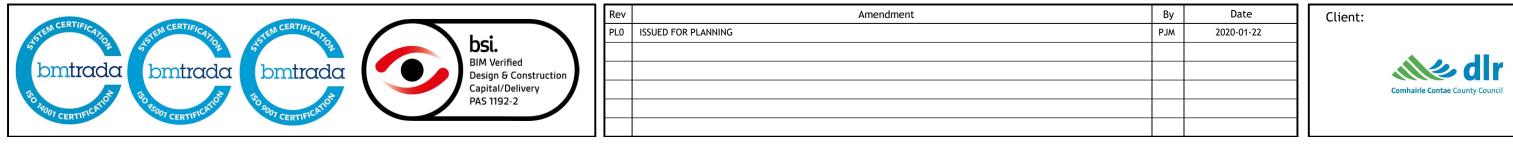
This drawing and any design hereon is the copyright of the Consultants and must not be reproduced without their written consent. All drawings remain the property of the Consultants. Figured dimension only to be taken from this drawing. Consultants to be informed immediately of any discrepancies before work proceeds.



Date Drawn: 2020-01-22 Drawn By: P.J. Mulcahy Date Issued: 2020-01-22 Issued By: PJMulcahy

N

Y



IRISH WATER WASTEWATER STANDARD DETAILS Drawing Title ments i distances djacent to trees djacent to sewers water pipes 0mm dia.) iron (D.I.) pipe (<200mm iron (D.I.) pipe (<200mm m dia.) ain (sheet 1 of 2) ain (sheet 2 of 2) eet 1 of 2) eet 2 of 2) mm dia.) umping station sheet 1 of 2) sk (sheet 2 of 2)

RESIDENTIAL DEVELOPMENT SHANGANAGH CASTLE



Dublin Limerick Cork Galway Glasgow Carnegie House, Library Road, Dun Laoghaire, Co. Dublin, A96 C7W7 consulting engineers IRL: +353 1 271 2200 www.punchconsulting.com

Stage: PLANNING				
Scale @ A1: As Shown				
Technician Check: P.J. Mulcahy				
Engineer Check: Mark Richardson				
Approved: Donal Gallery				
Drawing No:	Rev:			
182-134-019	PL0			