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 watermains within developments
Y	STD-W-03	Customer connection and boundary box (25mm OD pipe)
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 Water mains
Y	STD-W-13	Trench Backfill / bedding & reduced cover protection slab detail
N	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)
N	STD-W-17	Off-line hydrant for ductile iron (D.I.) pipe (Sheet 2 of 4)
Y	STD-W-18	On-line hydrant for polyethylene (P.E.) pipe (Sheet 3 of 4)
Y	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)
Y	STD-W-22	On-line air valve for polyethylene (P.E.) pipe (Sheet 3 of 4)
N	STD-W-23	Off-line air valve for polyethylene (P.E.) pipe (Sheet 4 of 4)
N	STD-W-24	Pressure reducing / sustaining valve chamber (In-situ R.C. option
N	STD-W-25	Booster pump station arrangement
Y	STD-W-26	Electromagnetic meter chamber (dn80 - dn250mm Dia.)
N	STD-W-26A	Chamber for flanged mech. meter without strainer (dn40 - dn250mm Dia.)
N	STD-W-26B	Chamber for flanged mech. meter (dn100 - dn250mm Dia.) with separate strainer chamber
N	STD-W-26C	Threaded rotary piston flow meter chamber (dn30 - dn40mm Dia.) In-situ Concete Option
N	STD-W-26D	Threaded rotary piston flow meter chamber (dn30 - dn40mm Dia.) Precast Concete Option
N	STD-W-26E	Threaded rotary piston flow meter chamber (dn30 - dn40mm Dia.) Blockwork Option
N	STD-W-26F	By-pass flow meter chamber (25-32mm O.D. Dia) For developments with <20m3/day water use
Y	STD-W-26G	Flow meter chamber (25-32mm O.D. Dia.)
Y	STD-W-27	Marker posts / plates
Y	STD-W-28	Water main thrust and support blocks
N	STD-W-29	Duct chamber
N	STD-W-30	Scour chamber and head wall arrangements
Y	STD-W-30A	Washout hydrant
Y	STD-W-30B	Scour chamber to storm sewer arrangements
N	STD-W-31	Typical ditch / stream crossing for watermain ductile iron option
N	STD-W-31A	Typical ditch / stream crossing for watermain polyethylene option
N	STD-W-32	Typical bridge crossing for watermain (Sheet 1 of 2)
N	STD-W-33	Typical bridge crossing for watermain (Sheet 2 of 2)
Y	STD-W-33A	Typical culvert and services crossing details for water main
N	STD-W-34	Security gate and fencing palisade option (preferred)
N	STD-W-34A	Security gate and fencing wire mesh option
Y	STD-W-35	Pipe repair to existing mains
Y	STD-W-36	Flow meter kiosk
N	STD-W-36A	PRV / PSV control kiosk
N	STD-W-37	Lamp bollard and lamp standard
N	STD-W-38	Watermain loop detail ductile iron option
Y	STD-W-39	Watermain loop detail polyethylene option
N	STD-W-40	Section showing water services separation details in high density developments 2.5m wide footpaths with 6.0m wide carriageway
N	STD-W-41	Layout plan showing below ground services separation details in high density developments 2.5m wide footpaths with 6.0m wide carriageway
Y	STD-W-42	Section showing water services separation details in high density developments 1.8m wide footpaths, 2.5m wide parallel parking bays with 6.0m wide carriageway.
Y	STD-W-43	Layout plan showing below ground services separation details in high density developments 1.8m wide footpaths, 2.5m wide parallel parking bays with 6.0m wide carriageway.

IRISH WATER WASTEWATER DETAILS

Details Required	Drawing No.	Drawing Title
Y	STD-WW-01	Wastewater service connection maintenance 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-05A	Wastewater service connection vertical separation distances
Y	STD-WW-06	Restrictions on wastewater infrastructure works 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 protection slab, bed, haunch & surround to wastewater pipes
Y	STD-WW-09	Blockwork manhole (<450mm dia.)
Y	STD-WW-10	Pre-cast concrete manhole with cast in-situ base
N	STD-WW-10A	Pre-cast concrete manhole with pre-cast base
N	STD-WW-10B	Pre-cast concrete pumping station inlet manhole with cast in-situ concrete base
N	STD-WW-10C	Pre-cast concrete pumping station inlet manhole with precast concrete base
Y	STD-WW-11	In-situ concrete manhole
N	STD-WW-11A	Cast in-situ concrete pumping station inlet manhole
Y	STD-WW-12	Backdrop and cascade manholes
Y	STD-WW-13	Private side inspection chamber
Y	STD-WW-14	Thrust blocks for rising mains
N	STD-WW-15	Scour valve chamber (foul rising main ≤200mm dia.)
N	STD-WW-16	Sluice valve details for rising mains ductile iron (D.I.) pipe (≤200mm dia.) (sheet 1 of 2)
N	STD-WW-17	Sluice valve details for rising mains polyethylene (P.E.) pipe (≤200mm dia.) (sheet 2 of 2)
N	STD-WW-18	Air valve chamber (foul rising main ≤200mm dia.)
N	STD-WW-19	Duct chamber
N	STD-WW-20	Emergency overflow structure & emergency overflow to storm sewer
N	STD-WW-21	Typical ditch/stream crossing for gravity sewer (sheet 1 of 2)
N	STD-WW-22	Typical ditch/stream crossing for ductile iron rising main (sheet 2 of 2)
N	STD-WW-22A	Typical ditch/stream crossing for polyethylene rising main
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-24A	Typical culvert and services crossing details for rising main
N	STD-WW-25	Security gate & fencing palisade option (preferred)
N	STD-WW-25A	Security gate & fencing wire mesh option
N	STD-WW-26	Indicative pumping station site layout – access via lay-by
N	STD-WW-26A	Indicative pumping station site layout – direct access from public road
N	STD-WW-27	Flow meter chamber (foul rising main <200mm dia.) cast in-situ concrete option
N	STD-WW-27A	Flow meter & valve chamber (foul rising main ≤200mm dia.) cast in-situ concrete option
N	STD-WW-27B	Flow meter & valve chamber (foul rising main ≤200mm dia.) pre-cast concrete option
N	STD-WW-27C	Flow meter & valve chamber (foul rising main ≤200mm dia.) pre-cast concrete option
N	STD-WW-28	Cast in-situ Indicative submersible pumping station
N	STD-WW-28A	Indicative pre-cast concrete submersible pumping station with cast in-situ valve chamber
N	STD-WW-28B	Indicative pre-cast concrete submersible pumping station and pre-cast valve chamber
Y	STD-WW-29	Rising main discharge stand-off manhole 3
N	STD-WW-30	Type 1 pumping station control kiosk
N	STD-WW-30A	Type 2 and type 3 pumping station control kiosk
N	STD-WW-31	Pumping station wet kiosk
N	STD-WW-31A	Pumping station wet kiosk water service connection arrangement
N	STD-WW-32	Hardstanding area pumping station (permeable & impermeable)
N	STD-WW-33	Lamp bollard & lamp standard
Y	STD-WW-34	Vent stack
N	STD-WW-35	Rising main rodding chamber in-situ concrete option
N	STD-WW-35A	Rising main rodding chamber pre-cast concrete option
N	STD-WW-36	Marker posts/plates
N	STD-WW-37	Section showing wastewater services separation details in high density developments 2.5m wide footpaths with 6.0m wide carriageway
N	STD-WW-38	Layout plan showing below ground services separation details in high density developments 2.5m wide footpaths with 6.0m wide carriageway
Y	STD-WW-39	Section showing wastewater services separation details in high density developments 1.8m wide footpaths, 2.5m wide parallel parking bays with 6.0m wide carriageway.
Y	STD-WW-40	Layout plan showing below ground services separation details in high density developments 1.8m wide footpaths, 2.5m wide parallel parking bays with 6.0m wide carriageway.

*NOTE: IRISH WATER WASTEWATER STANDARD DETAILS
TO BE USED FOR SURFACE WATER DRAINAGE ALSO.

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COLOUR DRAWING

BUILDING INFORMATION MODELLING (BIM) I.S. EN ISO 19650-2:2018
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