



SCOUR VALVE TO MANHOLE PRIOR TO DISCHARGE TO SURFACE WATER DRAINAGE NETWORK

- WATERMAIN:**
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS & MANUFACTURERS DRAWINGS & SPECIFICATIONS.
  - ALL PIPE DIAMETERS ARE NOMINAL.
  - WHERE CONNECTION IS REQUIRED TO AN EXISTING PUBLIC WATERMAIN, THE CONTRACTOR MUST ISSUE DETAILED DOCUMENTATION FOR APPROVAL TO THE RELEVANT LOCAL AUTHORITY AND IRISH WATER. THIS DOCUMENTATION MUST BE ISSUED AT LEAST 40 WORKING DAYS IN ADVANCE OF THE PLANNED WORKS OR AS AGREED WITH THE LOCAL AUTHORITY AND IRISH WATER.
  - ALL THRUST BLOCKS MUST BE CAST AGAINST UNDISTURBED GROUND. FLEXIBLE PIPES SHOULD BE WRAPPED IN ONE LAYER OF 1000 GAUGE POLYTHENE TO AVOID DIRECT CONTACT WITH THE CONCRETE. MARKER POSTS AND PLATES TO BE PROVIDED FOR ALL VALVES, METERS AND HYDRANTS.
  - CHLORINATION AND BACTERIOLOGICAL TESTS TO BE UNDERTAKEN BY EXTERNAL TESTER AND TEST CERTIFICATION TO BE SUBMITTED TO ENGINEER.
  - MARKER POSTS AND PLATES TO BE PROVIDED FOR ALL VALVES.
  - IN ADVANCE OF TESTING OF THE WATERMANS, THE CONTRACTOR MUST PRESENT TO THE ENGINEER A CALIBRATION CERTIFICATE FOR THE APPARATUS TO BE USED IN THE TEST.
  - ALL DETAILS TO BE AGREED WITH LOCAL AUTHORITY.
  - ALL EXISTING WATERMANS TO BE ADEQUATELY PROTECTED. ANY WATERMANS DAMAGED DURING THE COURSE OF CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT THEIR COST.
  - COVERS OF ALL HYDRANT CHAMBERS TO BE PAINTED YELLOW.
  - ALL ROCKER PIPES SHALL BE NO MORE THAN 150mm FROM THEIR ASSOCIATED CHAMBER.
  - WHERE PIPE RUN IS LOCATED ADJACENT TO FOUNDATION AND IS AT A LEVEL BELOW UNDERSIDE OF THE FOUNDATION, PIPE TRENCH TO BE BACKFILLED TO FORMATION LEVEL WITH CLASS 15/20 CONCRETE.
  - PROVIDE ANCHOR/THRUST BLOCKS ON ALL BENDS EQUAL TO OR IN EXCESS OF 22.5°, DEAD ENDS AND TEES ON ALL PIPES.
  - TRENCHES IN EXISTING SURFACES TO BE SAW CUT.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING OUT WATERMANS & SLUICE VALVES TO ENSURE NO CLASHES WITH SERVICE DUCTS OR PIPES.
  - METERS FOR APARTMENTS OR SIMILAR PROPERTIES WILL BE INSTALLED INTERNALLY WITHIN THE PREMISES IN ACCORDANCE WITH THE BUILDING CONTROLS AUTHORITY REQUIREMENTS AND SUBJECT TO REVIEW BY IRISH WATER.
  - WHERE BOOSTER PUMP IS TO BE PROVIDED, ISOLATION DEVICE SHALL BE PROVIDED USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE (AA TYPE DEVICE, IS EN 1717) TO PREVENT BACKFLOW FROM THE INTERNAL WATER DISTRIBUTION SYSTEM TO IRISH WATER'S NETWORK TO PREVENT THE RISK OF BACKFLOW CONTAMINATION.
  - LOOPS SHALL HAVE A MINIMUM OF 4 CONNECTED PROPERTIES.

**LEGEND**

EXISTING IW WATERMAIN (DETAILS & LOCATION TBC)	WM
PROPOSED WATERMAIN (125mm OD PE100 SDR11 PIPE)	WM
PROPOSED PROPERTY BOUNDARY BOX	BB
PROPOSED FIRE HYDRANT	H
PROPOSED SLUICE VALVE	SV
PROPOSED AIR VALVE	AV
PROPOSED WATERMETER	WM
PROPOSED SCOUR VALVE	ScV
EXISTING HYDRANT	FH
EXISTING SLUICE VALVE	SV
EXISTING METER	M
PROPOSED SITE BOUNDARY	---

**IRISH WATER WATER INFRASTRUCTURE STANDARD DETAILS**

Detail No.	Detail Title
STD-W-04	General pipe connections (Sheet 1 of 7)
STD-W-13	Trench Backfill / bedding & reduced cover protection slab detail
STD-W-14	Sluice valve for ductile iron (D.I.) pipe (<350mm dia.) (Sheet 1 of 2)
STD-W-20	On-line air valve for ductile iron (D.I.) pipe (Sheet 1 of 4)
STD-W-27	Marker posts / plates
STD-W-28	Water main thrust and support blocks
STD-W-30B	Scour chamber to storm sewer arrangements
STD-W-32	Typical bridge crossing for watermain (Sheet 1 of 2)
STD-W-39	Watermain loop detail polyethylene option

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Rev	Amendment	By	Date
PL0	ISSUED FOR PLANNING	COS	2019-12-12
PL1	LAYOUT REVISED	COS	2020-06-19
PL2	LAYOUT REVISED	COS	2020-06-24
PL3	LAYOUT REVISED	MOC	2023-03-06

Client:  
 HG CONSTRUCTION

Job: REDEMPTION ROAD, BLACKPOOL, CORK  
 Title: PROPOSED WATERMAIN LAYOUT

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