



Contours Denote Existing Ground Levels.

THE CONTRACTOR IS TO INCLUDE FOR THE EMPLOYMENT OF A CHARTERED ENGINEER WITH PI INSURANCE TO 65M TO WITNESS THE INSTALLATION OF ALL AIR TESTS AND OTHER IRISH WATER QA AS REQUIRED UNDER THE IRISH WATER QUALITY ASSURANCE (IA) FIELD INSPECTION REQUIREMENTS MANUAL, AS PER CURRENT VERSION ON IRISH WATERS WEBSITE. IT IS A REQUIREMENT OF THE MAIN CONTRACTOR TO AGREE THE REQUIRED QA WITH THE IW FIELD INSPECTORS, RETAIN ALL THE QA DOCUMENTS ON SITE AND REPAIR ANY DEFECTS. THE MAIN CONTRACTORS CHARTERED ENGINEERS AND THE MAIN CONTRACTOR ARE RESPONSIBLE FOR AGREEING ON SITE CONFORMANCE WITH IW PRIOR TO HAND OVER OF THE WORKS TO IW. THE PRICE FOR ALL THE ABOVE IS TO BE INCLUDED IN THE MAIN CONTRACTORS TENDER SUM.

NOTE: THRUST BLOCKS REMOVED FOR CLARITY. ALLOW FOR THRUST BLOCKS IN ACCORDANCE WITH IRISH WATER REQUIREMENTS AS SPECIFIED IN WASTEWATER INFRASTRUCTURE STANDARD DETAILS - DOCUMENT NO. IW-CDS-5020 01.

**Notes:**  
All dimensions are in mm.

**LEGEND**

- PRIVATE BOUNDARIES: F01
- EXISTING COMBINED SEWER: F01
- EXISTING FOUL SEWER: F01
- EXISTING STORM SEWER: S01
- PROPOSED FOUL SEWER: FV @ FV FV
- PROPOSED STORM SEWER: S01
- PROPOSED 100MM O.D HDPE PE-80 SDR17 WATERMAIN: WH
- PROPOSED 25mm Ø O.D HDPE PE-80 SDR17 SERVICE CONNECTION: WH

**LEGEND**

- PROPOSED WATERMAIN WITH AIR VALVE: AV
- PROPOSED WATERMAIN WITH WATER METER: ME
- PROPOSED WATERMAIN WITH SLUICE VALVE: SV
- PROPOSED WATERMAIN WITH HYDRANT: H
- EXISTING WATERMAIN: EX.WM

NOTE: LOCATION OF EXISTING SERVICES IS INDICATIVE ONLY AND SHOULD BE USED FOR INFORMATION PURPOSES ONLY.

**IRISH WATER STANDARD DETAILS AND CODE OF PRACTICE**

ALL SITE WATER SERVICES TO BE IN ACCORDANCE WITH CURRENT IRISH WATER INFRASTRUCTURE STANDARD DETAILS REFER TO IRISH WATER STANDARD DETAILS DOCUMENT NO. IW-CDS-5020-01

- Infrastructure Standard Details. Refer to Irish Water Standard Details Document No. IW-CDS-5020-01.
- STD-W-02 - Layout Details
  - STD-W-03 - House Connection and Boundary Box
  - STD-W-04 to10 - Pipe Connections
  - STD-W-11 - Services Layout
  - STD-W-13 - Trench Backfilling and Bedding
  - STD-W-15 - Sluice Valve
  - STD-W-18-19 - Hydrant
  - STD-W-22-23 - Air Valve
  - STD-W-26 - Meter Chamber
  - STD-W-27 - Marker Posts and Plates
  - STD-W-28 - Trust and Support Blocks
  - STD-W-30 - Scour Chamber and Headwall
  - STD-W-30A-37 - Other

All Water Services Infrastructure to be in accordance with Irish Water Code of Practice for Water Infrastructure. Irish Water Document Number: IW-CDS-5020-03

Hydrants to comply with BS 750, type 2 screw down type.

Hydrant Indicator Plates to comply with BS 3251.

All watermain pipe materials to be in accordance with section 3.9 of the code of practice

**CONSTRUCTION REQUIREMENTS:**

FOR WATERMAIN DETAILS PLEASE REFER TO IRISH WATER DOCUMENTATION WASTEWATER INFRASTRUCTURE

STANDARD DETAILS - DOCUMENT NO. IW-CDS-5020-01.

ALL SLUICE VALVES, WATERMETERS, BOUNDARY BOXES AND HYDRANTS TO BE IN ACCORDANCE WITH IRISH WATER REQUIREMENTS AS SPECIFIED IN WASTEWATER INFRASTRUCTURE STANDARD DETAILS - DOCUMENT NO. IW-CDS-502001.

ALLOW FOR THRUST BLOCKS IN ACCORDANCE WITH IRISH WATER REQUIREMENTS AS SPECIFIED IN WASTEWATER INFRASTRUCTURE STANDARD DETAILS - DOCUMENT NO. IW-CDS-5020 01.

WAYLEAVE TO IRISH WATER OVER NEW AND EXISTING INFRASTRUCTURE

REFERENCE NOTE  
REFER TO DRG. NO. 20120-CRO-X-XXX-DR-CE-03000 FOR GENERAL NOTES  
REFER TO DRG. NO. 20120-CRO-X-XXX-DR-CE-03900 FOR DRAINAGE DETAILS

SITE TBM = 4.069m OD MALIN HEAD (INDICATED WITH STEEL NAIL & WASHER)

PROPOSED CONNECTION TO EXISTING IRISH WATERMAIN SUBJECT TO CONNECTION AGREEMENT WITH IRISH WATER STANDARD DETAILS STD-W-07

65MM Ø HDPE TO BUILDING RISER MANIFOLDS IN RISER WITH INDIVIDUAL METERS TO M&E ENG SPEC

Site boundary outlined in red = 0.210 Acres = 0.084 Ha

By-Pass Flow Meter in accordance with I.W. (STD-W-26F)

THIS DRAWING IS COPYRIGHT © CroCon Engineers Ltd. All rights reserved. No part of this drawing may be reproduced without the prior written permission of CroCon Engineers Ltd. The copyright in this drawing is owned by CroCon Engineers Ltd. The copyright in this drawing is not to be construed as a warranty or guarantee of any kind. The copyright in this drawing is not to be construed as a warranty or guarantee of any kind. The copyright in this drawing is not to be construed as a warranty or guarantee of any kind.

Drawn By	CC	Check By	CF	Approved By	CC	Issue Date	30/03/22	Scale	1/200 @A1	Project Code	P03	Revision	5	Stage	2	Co-ordination
Project	20120 - DRG - X - XXX - DR - CE - 03100	Client	Shibbreen Geriatric Society	Project Name	Proposed Apartments at Mardyke St., Shibbreen, Co. Cork	Project Title	Proposed Watermain Layout									

**CroCon Engineers Ltd.**  
Consulting Engineers  
4 Main St., Bantry, Co. Cork  
E: info@crocon.ie  
Tel: (027) 50123