

**WATER NOTES:**  
Watermain Pipework Material to be PE (Polyethylene) with PE 80 rating.  
uPVC pipes are not permitted in this scheme. Pipework to be SDR 17 Rating. The pipework shall conform to IS EN 12201: Part 1 and Part 2 and IS EN 12201-3.

Separation Distances between Watermain and any other service is to be as per Section 3.6 of Water Code of Practice. In this instance there will be a minimum clear horizontal distance of at 300mm between proposed watermain and other utilities running parallel to it.

The plan attached comply with Irish Water Codes of Practice for Water and Standard details. All site works shall comply and be completed to Irish Water codes of Practice and Standard Details.

This Drawing shall be used as the final and approved "Construction Drawing" for Watermain Installation. IW Standard Details and Codes of Practices can be downloaded and reviewed at: <https://www.water.ie/connection/developer-services/>

**WASTEWATER NOTES:**  
uPVC Pipework Material to be Thermoplastic Structured Wall Pipes to comply with the provisions of IS EN 13476, with stiffness class of 8kN/m<sup>2</sup>. Refer to Section 3.13.2 of IW Wastewater Code of Practice.

The plan attached comply with Irish Water Codes of Practice for Wastewater and Standard details. All site works shall comply and be completed to Irish Water codes of Practice and Standard Details.

IW Standard Details and Codes of Practices can be downloaded and reviewed at: <https://www.water.ie/connection/developer-services/>

**LEGEND:**

- EXISTING SURFACE WATER DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE
- EXISTING FOUL SEWER
- PROPOSED FOUL SEWER
- PROPOSED 1000 PRIVATE FOUL DRAIN WITH INSPECTION CHAMBER
- EXISTING LOCAL AUTHORITY WATERMAIN
- PROPOSED 100mm HDPE WATERMAIN
- PROPOSED BULK METER (to STD-W-26F)
- PROPOSED ON-LINE FIRE HYDRANTS (to STD-W-18)
- PROPOSED OFF-LINE FIRE HYDRANTS (to STD-W-19)
- PROPOSED SLUICE VALVE (to STD-W-15)
- 25mm SDR 17 PE80 PRIVATE CONNECTIONS WITH PROPOSED BOUNDARY BOXES (to STD-W-03)

- PROPOSED SUDS DEVICES THROUGHOUT DEVELOPMENT:**
1. PERMEABLE PAVING
  2. GREEN ROOF
  3. GREEN WALLS
  4. BIoretention AREA
  5. TREE PITS
  6. UNDERGROUND "STORMTECH" ATTENUATION TANK
  7. FLOW CONTROL DEVICE
  8. PETROL INTERCEPTOR

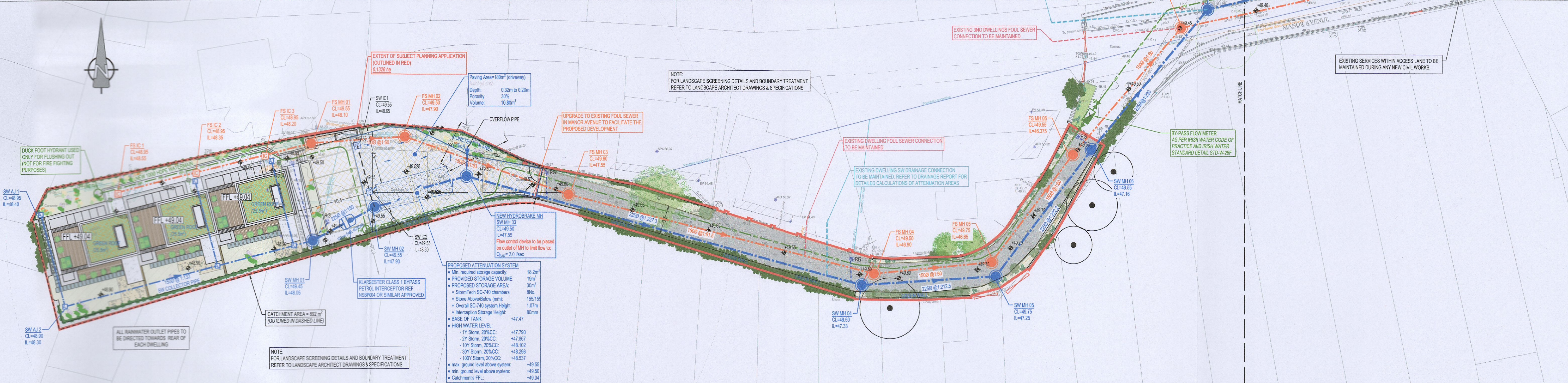
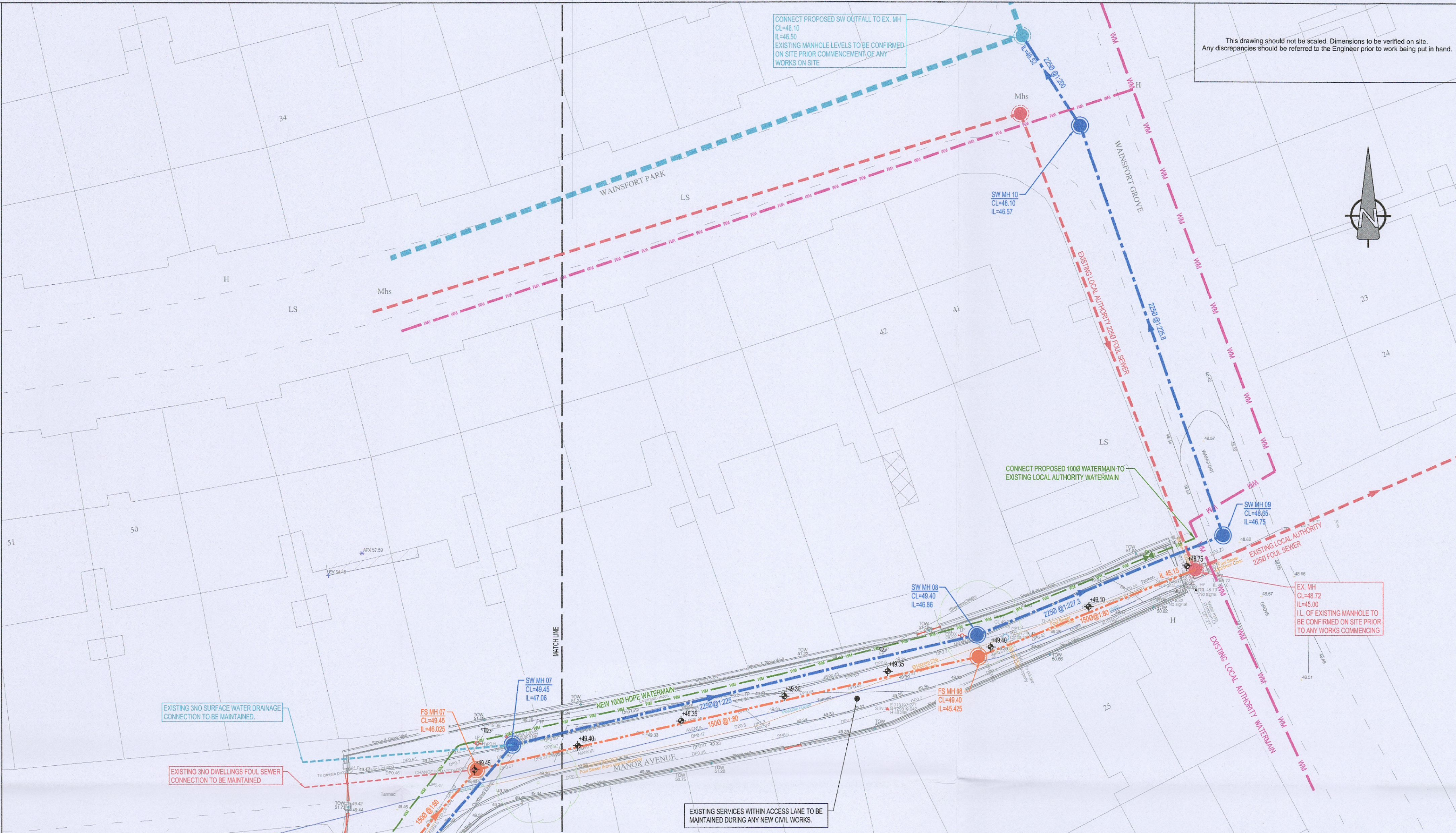
**SURFACING LEGEND:**

- PROPOSED GREEN ROOFS
- PROPOSED PERMEABLE SURFACING
- PROPOSED PERVIOUS ASPHALT ROAD
- PROPOSED CONCRETE FOOTPATH
- DENOTES LANDSCAPING

FOR DETAILS AND CROSS SECTIONS OF ABOVE SUDS DEVICE REFER TO DRAWING REF. D1602-1-KB-XX-DR-C-0002-PL1 - SUDS & DRAINAGE DETAILS.

NOTE: FOR LANDSCAPE SCREENING DETAILS AND BOUNDARY TREATMENT REFER TO LANDSCAPE ARCHITECT DRAWINGS & SPECIFICATIONS

This drawing should not be scaled. Dimensions to be verified on site. Any discrepancies should be referred to the Engineer prior to work being put in hand.



<p>Watermain network and all associated works to be constructed in accordance with Irish Water "Code of Practice for Water Infrastructure" and Irish Water "Water Infrastructure Standard Details":</p> <ul style="list-style-type: none"> <li>• IW-CDS-5020-1</li> <li>• IW-CDS-5020-3</li> </ul>		<p>Project <b>RESIDENTIAL DEVELOPMENT AT MANOR AVENUE, WAINSFORT GROVE, DUBLIN 6W</b></p> <p>Title <b>DRAINAGE &amp; WATERMAIN LAYOUT</b></p> <p>Client <b>SAM LE BAS</b></p>	<p>Drawn By <b>ED</b></p> <p>Designed By <b>ED</b></p> <p>Checked By <b>PK</b></p> <p>Scales @ A1 <b>1:250</b></p> <p>Date <b>April 2023</b></p>	<p>Project - Originator - Volume - Level - Type - Role - Number <b>D1602-1-KB-XX-DW-DR-C-0001</b></p> <p>Revision <b>PL2</b></p>
<p>Foul sewer network and all associated works to be constructed in accordance with Irish Water "Code of Practice for Wastewater Infrastructure" and Irish Water "Wastewater Infrastructure Standard Details":</p> <ul style="list-style-type: none"> <li>• IW-CDS-5030-1</li> <li>• IW-CDS-5030-3</li> </ul>				