



LEGEND

- EXISTING FOUL SEWER
- EXISTING SURFACE WATER SEWER
- PROPOSED FOUL SEWER
- PROPOSED SURFACE WATER SEWER
- PIPE NUMBER, DIAMETER AND GRADIENT
- MANHOLE NUMBER, COVER AND INVERT LEVELS
- PROPOSED STORAGE ATTENUATION TANK
- PROPOSED GULLY
- PROPOSED PERMEABLE PAVING
- PROPOSED FOUL WATER INSPECTION CHAMBER
- PROPOSED SURFACE WATER INSPECTION CHAMBER
- PROPOSED ACC DRAIN
- MAJOR PIPE RUNS TO BE SURROUNDED IN 150MM CONCRETE AS PER TYPE 'D' DETAIL SWD-W-08
- 150mm Dia' PERIMETER LAND DRAIN WITH COLLECTION AJ
- SITE BOUNDARY EXTENTS

- NOTES**
- All works will be carried out in accordance with the requirements of Irish Water Codes of Practice for Wastewater.
 - The total impermeable runoff from the proposed roof and paved areas amounts to 19,900m².
 - Outflow from the development site shall be limited to 2.29 L/S. Therefore, the maximum outflow from the attenuation tank shall be limited to 10.6 L/S.
 - An attenuation tank of 2085 cubic metres shall be provided to cater for the 100 year storm event and predicted climate change factors.
 - Finished Floor Levels to be finalised with Architect.
 - All manholes in grassed areas to have 200mm wide x 100mm deep concrete plinth / kerb cast to their perimeter to ensure they are not overgrown. Concrete to be grade C20/C25.
 - External face of all proposed manhole chambers to be minimum 0.5 metre from the kerb line and the external face of the sewers to be minimum 1.0 metre from the kerb line.
 - New manholes constructed over existing Irish Water public sewer to be constructed to Irish Water Standards STD-WW-09, STD-WW-10, AND STD-WW-11
 - Concrete surround in accordance with Irish Water standard detail STD-WW-07 and STD-WW-08 to be provided to all sewers where minimum cover (900mm) is not achieved - note the absolute minimum depth of cover above the external crown of the pipe shall be 750mm.
 - The size for a gravity service connection serving less than 20 properties shall be 150mm. The size for a gravity service connection serving more than 20 housing units shall be 250mm unless stated otherwise in the drawing.
 - All foul sewer pipe materials shall be in compliance with section 3.13 of the Irish Water Code of Practice for Wastewater.
 - Where wastewater infrastructure is in close proximity to proposed/existing trees as stated in Table A.1 of BS5837, sewers will be protected by an approved tree root protection barrier.

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- NOTES**
- For setting out refer to Architect's drawings.
 - This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
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Rev. No.	Date	REVISION NOTE	Drn. By	Chkd. By
P1	2021.09.22	DRAFT	AB	GL
P2	2021.09.29	REVISED LAYOUT	AB	GL
P3	2021.10.18	UPDATES FOLLOWING IW COMMENTS	AB	GL
P4	2021.12.10	REVISED SITE LAYOUT	AB	GL

Architect	Darmody Architecture	
Project	Development at Mill Road	
Title	Proposed Drainage	
Dwg. No.	MILL-CSC-ZZ-XX-DR-C-0001	
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