

LEGEND

EXISTING FOUL SEWER

EXISTING SURFACE WATER SEWER

PROPOSED FOUL SEWER

PROPOSED SURFACE WATER SEWER

PIPE NUMBER, DIAMETER AND GRADIENT
PN F1.000-225mm@ 1:150

FOUL AND STORM MANHOLE NUMBER, COVER AND INVERT LEVELS
F1 CL 100.00 IL 99.40 S1 CL 100.00 IL 99.40

PROPOSED STORAGE ATTENUATION TANK

PROPOSED GULLY

PROPOSED PERMEABLE PAVING

PROPOSED FOUL WATER INSPECTION CHAMBER

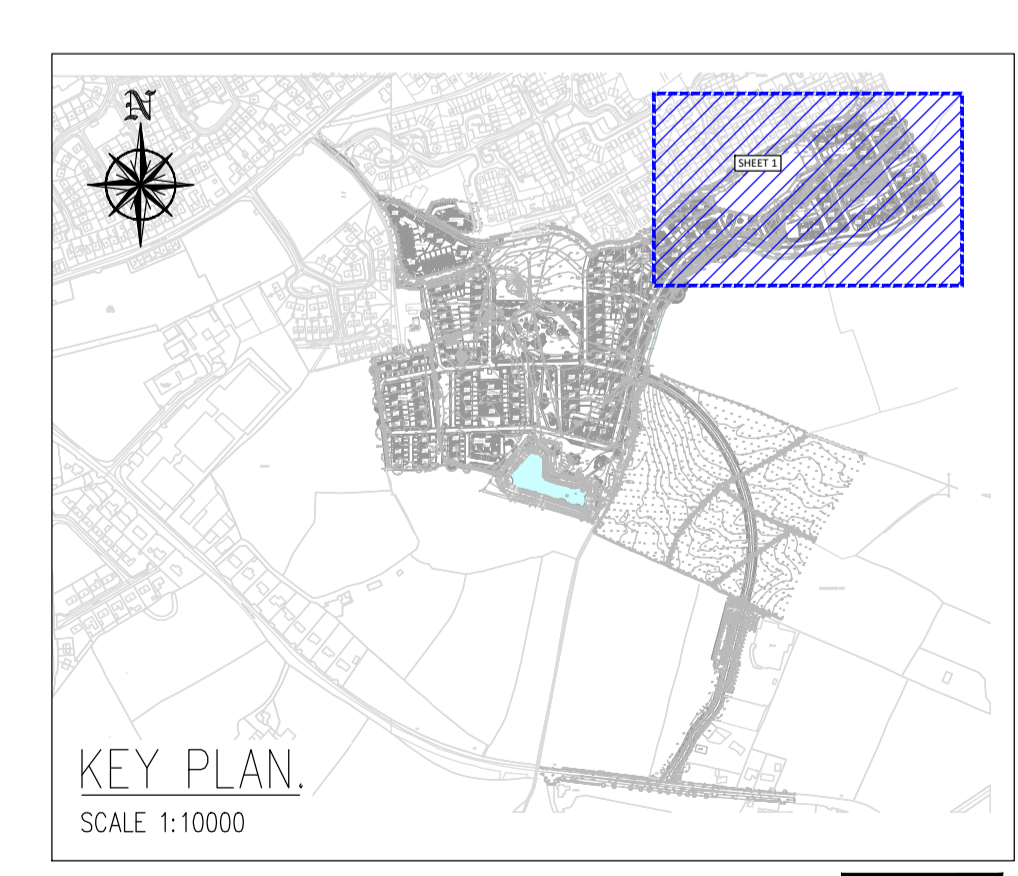
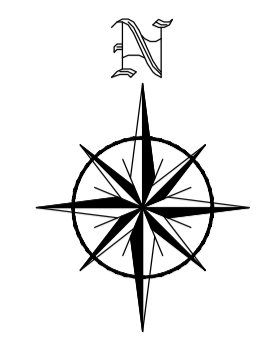
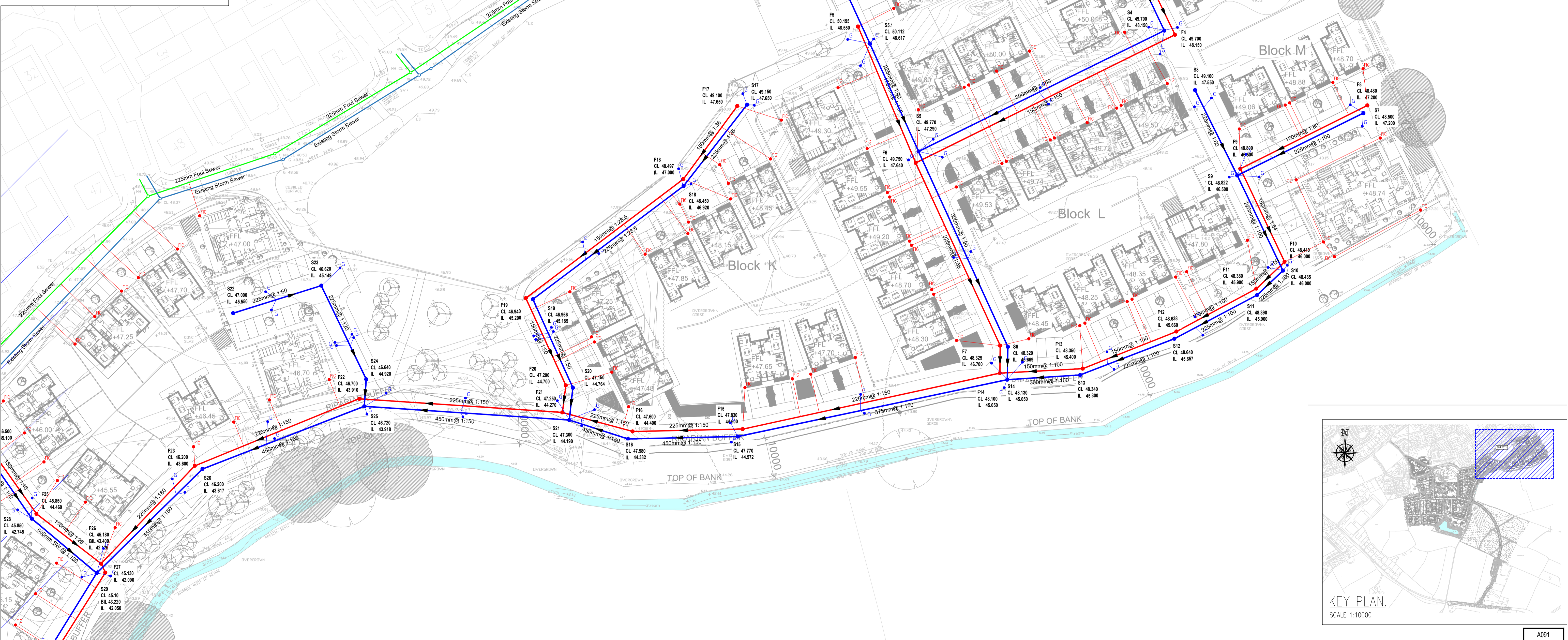
PROPOSED SURFACE WATER INSPECTION CHAMBER

PROPOSED ACO 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

- 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 2640m². The runoff will discharge to 2 no. storage attenuation tanks. Tank no. 1 is sized at 40m³ capacity to take 992m² area runoff and Tank no. 2 is sized at 80m³ capacity to take 1648m² area runoff. Both tanks are designed for the 100 year storm event inclusive of 20% allowance for climate change.
 - Outflow from each attenuation tank will be limited to 1 L/S. Therefore the maximum outflow from the development will be limited to 2 L/S.
 - 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.
 - All foul sewer pipe materials shall be in compliance with section 3.13 of the Irish Water Code of Practice for Wastewater.
 - Each house to have individual connections to main sewers as per Irish Water requirements.



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RELATIVE TO ORDNANCE DATUM.
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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	22.10.2020	Revised Site Layout	AB	NB
P2	05.11.2020	Revised Site Layout	AB	NB
P3	03.12.2020	Revised Site Layout	JS	NB
P4	22.01.2021	OSI Licence Updated	JS	NB

Architect	Reddy Architecture + Urbanism
Project	Residential Development Clonattin, Gorey
Title	Proposed Drainage Sheet 1 of 3 CLO-CSC-ZZ-XX-DR-C-0011
Dwg. No.	CLO-CSC-ZZ-XX-DR-C-0011
Date	May 2020
Drn. By	AB
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Quality Environment I.S. EN ISO 9001:2008
Certified Energy I.S. EN ISO 14001:2004
Health & Safety OHSAS 18001:2007

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