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Original Drawing Size A1

Notes

- This drawing to be read in conjunction with relevant Architectural, Mechanical/Electrical and Engineers drawings and specifications.
- All dimensions are in millimeters (mm).
- All levels refer to Mean Head Datum.
- Use figured dimensions only. Do not scale from this drawing. All dimensions to be checked on site.
- Report any discrepancies to Engineer immediately.
- Surface Water Drainage works should comply with:
 - (A) Requirements of BS 8005: Part 1 and BS 8322.
 - (B) "Recommendations for Site Development Works for Housing Areas" by Department of the Environment and Local Government 1996.
 - (C) The existing City Council Engineer's Requirements on Site Development Works.

7. Pipes shall be laid with a minimum cover of 1.2m in roads and driveways, 0.9m in open spaces and footpaths not adjacent to carparkways and 0.5m in gardens. Where it is not possible to achieve these minimum covers, pipes shall be bedded and surrounded in concrete 150mm thick subject to the Engineer's approval.

8. Surface Water Drains shall be tested by the following methods:
 (A) Water test
 Surface water sewers shall be tested for a minimum of 30 minutes and the test head of water shall be not less than 1 meter over the crown at the high point and not more than 0.2 metres of water over the crown at low points of the line under test. Acceptance criteria for the maximum allowable loss of water per hour per 100 lineal meters of pipe shall be as given in Table 7 unless otherwise approved.
 Where the surface water drains fail the appropriate tests, remedial work shall be subject to approval.

(B) Air test
 Air shall be pumped into the section of drain under test until a pressure of 100 mm of water is indicated on a U-tube connected to the system. The air pressure shall not fall to less than 75 mm head of water during a period of 5 minutes without further pumping, after a period of stabilisation. Failure to pass this test is not conclusive and, when failure does occur, a water test as specified in (A) shall be carried out. Acceptance or rejection of the line under test shall be based on the results of this water test.

9. A CCTV survey of the public stormfoul sewerage systems in the vicinity of the proposed development shall be undertaken prior to commencement and again on completion. The scope of the surveys shall be agreed in writing in advance with the relevant authorities.

10. No public stormfoul sewer shall be damaged as a result of the proposed development.

11. All drainage shall be separated throughout and laid to fall.

12. Manhole depths to be kept to a minimum (maximum depth 3m).

13. Foul sewers shall be tested in accordance with Section 4.10 of Irish Water Code of Practice for Wastewater Infrastructure Connections and Developer Services Document M-CDS-5030-03.

14. All pipes and fittings to be laid to Irish Water Standards. Please refer to Irish Water Wastewater Infrastructure Standard Details Connections and Developer Services Document Number M-CDS-5030-03 and Irish Water Code of Practice for Wastewater Infrastructure, Connections and Developer Services Document M-CDS-5030-03.

15. All pipes and fittings to be laid to Irish Water Standards. Please refer to Irish Water Wastewater Infrastructure Standard Details Connections and Developer Services Document Number M-CDS-5030-03 and Irish Water Code of Practice for Wastewater Infrastructure, Connections and Developer Services Document M-CDS-5030-03.

Rev	Date	Drawn	Description	Checked
PL2	May'21	DT	Released for part 8 planning	
PL1	Sept'20	DT	Issued for Irish Water pre-submission enquiry	
PL	Sept'20	DT	Issued for part 8 planning	

Rev Date Drawn Description Checked

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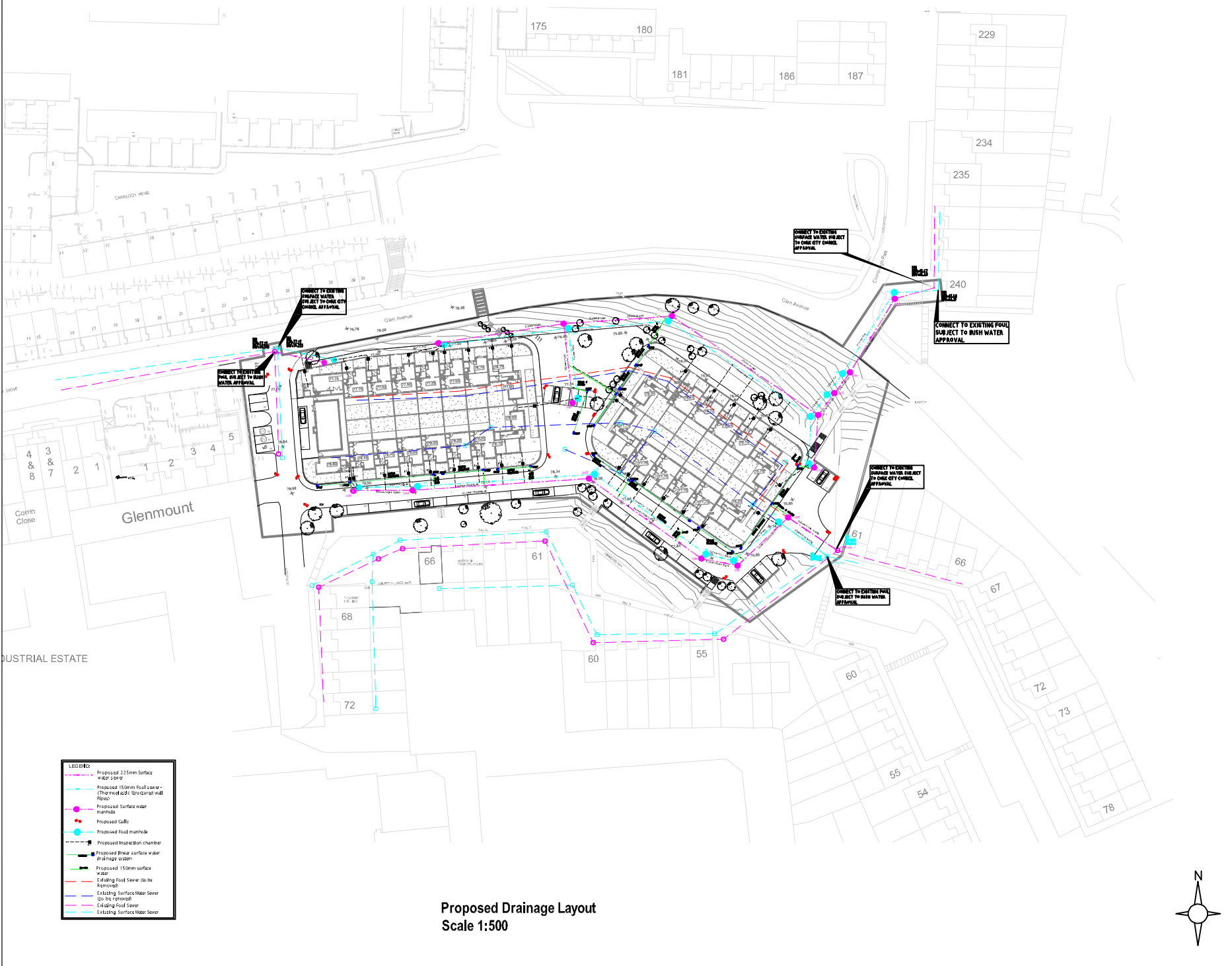
RAY KEANE & ASSOCIATES
 CONSULTING ENGINEERS
 CIVIL | STRUCTURAL | PROJECT MANAGEMENT

Client:
Cork City Council

Project:
**Proposed Housing at
 Errigal Heights
 The Glen, Cork City**

Drawing Title:
Proposed Drainage Layout

Designee	Drawn	D.T.	Date	July 2020
Eng. CMC	Dwg. CMC		Scale:	1:500 (A1)
Project No:	0600-462		Status:	Planning
Drawing No:	1001		Rev:	PL2



**Proposed Drainage Layout
 Scale 1:500**

