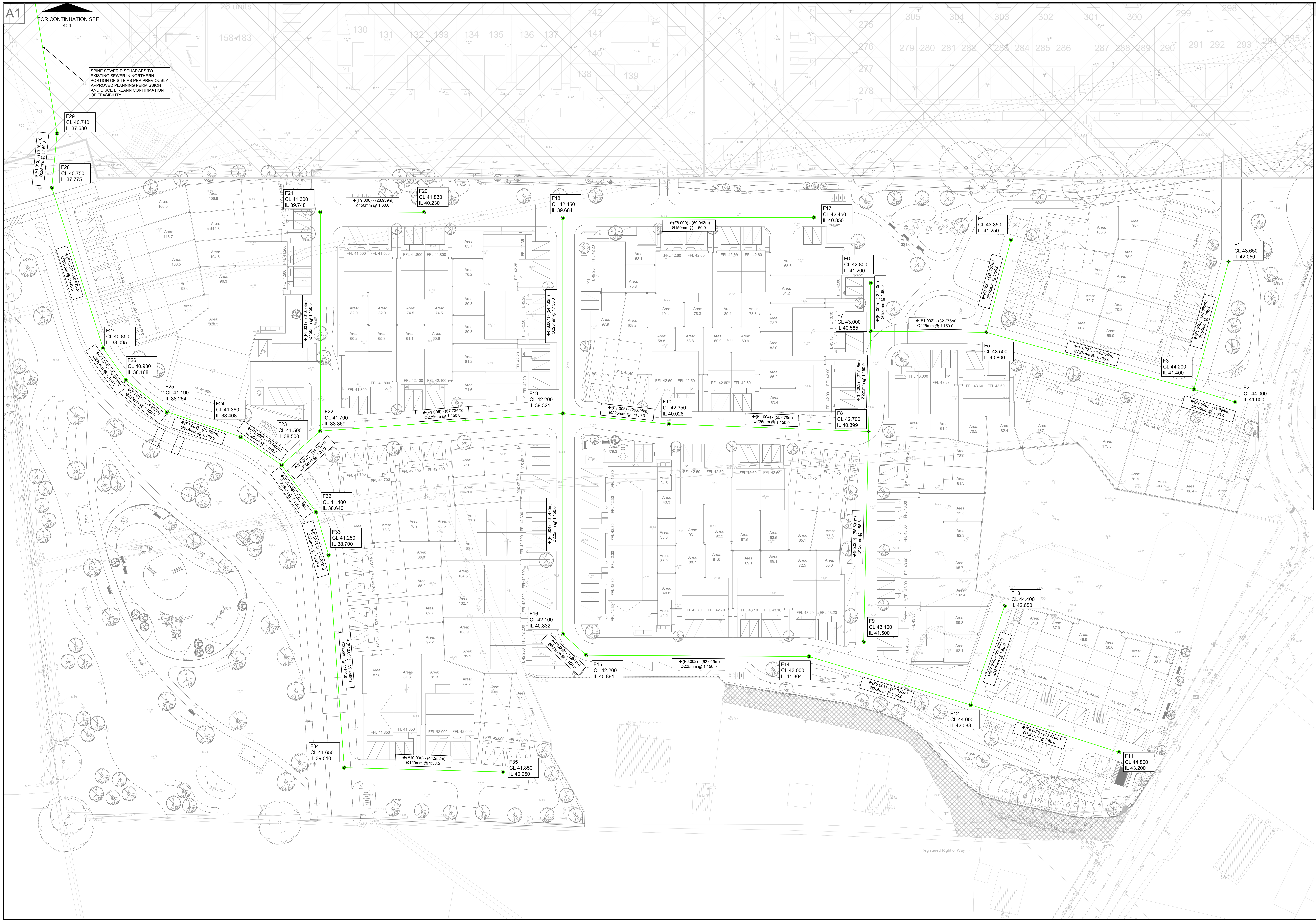
A1
FOR CONTINUATION SEE 404
SPINE SEWER DISCHARGES TO EXISTING SEWER IN NORTHERN PORTION OF SITE AS PER PREVIOUSLY APPROVED PLANNING PERMISSION AND UISCE EIREANN CONFIRMATION OF FEASIBILITY
F29 CL 40.740 IL 37.680
F28 CL 40.750 IL 37.775
(F1.013) - (15.163m) Ø225mm @ 1:159.6
(F1.012) - (46.973m) Ø225mm @ 1:146.8
F27 CL 40.850 IL 38.095
(F1.011) - (10.975m) Ø225mm @ 1:150.0
F26 CL 40.930 IL 38.168
(F1.010) - (14.460m) Ø225mm @ 1:150.0
F25 CL 41.190 IL 38.264
(F1.009) - (21.581m) Ø225mm @ 1:150.0
F24 CL 41.360 IL 38.408
(F1.008) - (13.848m) Ø225mm @ 1:150.0
F23 CL 41.500 IL 38.500
(F1.007) - (14.352m) Ø225mm @ 1:38.9
F22 CL 41.700 IL 38.869
F21 CL 41.300 IL 39.748
(F9.000) - (28.939m) Ø150mm @ 1:60.0
F20 CL 41.830 IL 40.230
(F9.001) - (61.033m) Ø150mm @ 1:150.0
F18 CL 42.450 IL 39.684
(F8.000) - (69.943m) Ø150mm @ 1:60.0
(F8.001) - (54.483m) Ø225mm @ 1:150.0
F17 CL 42.450 IL 40.850
F19 CL 42.200 IL 39.321
(F1.006) - (67.734m) Ø225mm @ 1:150.0
(F1.005) - (29.698m) Ø225mm @ 1:150.0
F10 CL 42.350 IL 40.028
(F1.004) - (55.679m) Ø225mm @ 1:150.0
F8 CL 42.700 IL 40.399
(F1.003) - (27.918m) Ø225mm @ 1:150.9
F7 CL 43.000 IL 40.585
F6 CL 42.800 IL 41.200
(F4.000) - (13.440m) Ø150mm @ 1:60.0
(F1.002) - (32.276m) Ø225mm @ 1:150.0
F4 CL 43.350 IL 41.250
(F3.000) - (26.702m) Ø150mm @ 1:60.0
F5 CL 43.500 IL 40.800
(F1.001) - (59.954m) Ø225mm @ 1:150.0
F3 CL 44.200 IL 41.400
F1 CL 43.650 IL 42.050
(F1.000) - (36.895m) Ø150mm @ 1:60.0
F2 CL 44.000 IL 41.600
(F2.000) - (11.994m) Ø150mm @ 1:60.0
(F10.003) - (16.353m) Ø225mm @ 1:116.8
F32 CL 41.400 IL 38.640
(F10.002) - (12.322m) Ø225mm @ 1:205.4
F33 CL 41.250 IL 38.700
(F10.001) - (59.446m) Ø225mm @ 1:191.8
F34 CL 41.650 IL 39.010
(F10.000) - (44.252m) Ø150mm @ 1:38.5
F35 CL 41.850 IL 40.250
(F6.004) - (61.485m) Ø225mm @ 1:150.0
F16 CL 42.100 IL 40.832
(F6.003) - (8.804m) Ø225mm @ 1:150.0
F15 CL 42.200 IL 40.891
(F6.002) - (62.019m) Ø225mm @ 1:150.0
F14 CL 43.000 IL 41.304
(F6.001) - (47.032m) Ø225mm @ 1:60.0
F12 CL 44.000 IL 42.088
(F6.000) - (43.420m) Ø150mm @ 1:60.0
F11 CL 44.800 IL 43.200
(F7.000) - (29.222m) Ø150mm @ 1:60.0
F13 CL 44.400 IL 42.650
(F5.000) - (58.599m) Ø150mm @ 1:58.6
F9 CL 43.100 IL 41.500

GENERAL NOTES

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEER'S AND ARCHITECT'S DRAWINGS AND SPECIFICATIONS.
2. ALL LEVELS ARE IN METRES TO ORDNANCE DATUM, MALIN HEAD UNLESS NOTED OTHERWISE.
3. THE POSITION OF EXISTING SERVICES AS SHOWN ON THE DRAWING MAY NOT BE ACCURATE. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES ON THE SITE AND SHOULD CONTACT THE RESPECTIVE UTILITY PROVIDERS AND AUTHORITIES FOR THE MOST UP-TO-DATE INFORMATION BEFORE COMMENCING THE WORKS.
4. EXISTING LEVELS ARE INDICATIVE ONLY AND MUST BE CHECKED AND VERIFIED ON SITE PRIOR TO COMMENCEMENT.
5. PROPOSED MANHOLE COVER LEVELS ARE APPROXIMATE AND SHOULD BE ADJUSTED TO SUIT LOCAL FINISHES.
6. ALL SURFACE WATER DRAINAGE INFRASTRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS.
7. LOCKABLE TYPE GULLY TRAPS TO BE USED ON ALL SURFACE WATER DRAINS.
8. GULLY POSITIONS ARE APPROXIMATE ONLY AND SHOULD BE LOCATED AT LOW POINTS.
9. REFER TO ARCHITECTS' DRAWINGS FOR ALL ROOF DRAINAGE, STRIP DRAINS AND GULLY TRAPS BENEATH DOWNPIPES.
10. WHERE IT IS NOT POSSIBLE TO ACHIEVE MINIMUM COVER, PIPES SHOULD BE BEDDED AND SURROUNDED IN CONCRETE 150MM THICK, CLASS E IN ACCORDANCE WITH TII STANDARD CONSTRUCTION DETAIL CC-SCD-00521.
11. ALL WASTEWATER DRAINAGE INFRASTRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER STANDARDS. REFER TO IRISH WATER PUBLICATIONS “WASTEWATER INFRASTRUCTURE STANDARD DETAILS - IW-CDS-5030-01” AND “CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE - IW-CDS-5030-03”
12. HYDRANTS TO BE ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-16 TO STD-W-19.
13. THRUST BLOCK ARRANGEMENTS SHALL COMPLY WITH IRISH WATER STANDARD DETAILS STD-W-28
14. REFER TO MECHANICAL AND ELECTRICAL ENGINEER'S DRAWINGS FOR INTERNAL DRAINAGE AND DETAILS OF SOIL AND VENT PIPES LEADING TO WASTEWATER DRAINAGE AJS.
15. ALL WATER INFRASTRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER STANDARDS. REFER TO IRISH WATER PUBLICATIONS “WATER INFRASTRUCTURE STANDARD DETAILS - IW-CDS-5020-01” AND “CODE OF PRACTICE FOR WATER INFRASTRUCTURE - IW-CDS-5020-03”
16. ALL PLANTING & TREES TO COMPLY WITH SEPERATION DISTANCES AS PER IRISH WATER STANDARD DETAILS FOR WASTEWATER, STD-WW-06 AND STD-WW-06A AND FOR WATER, STD-W-12 AND STD-W-12A
17. A METHOD STATEMENT SHALL BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION AND TESTING
18. ALL PIPE DIAMETERS INDICATED ARE INNER DIAMETER.
19. THESE DRAWINGS ARE NOT TO BE USED FOR SETTING OUT PURPOSES. REFER TO ARCHITECTS DRAWINGS FOR SETTING OUT.

CIVIL SERVICES LEGEND

🟩	PROPOSED PVC FOUL SEWER PIPES (IN ACCORDANCE WITH SECTION 3.13 OF IRISH WATER CODE OF PRACTICE FOR PIPE MATERIALS)
C.L.	COVER LEVEL
I.L.	INVERT LEVEL
○	PROPOSED FOUL SEWER MANHOLE (IN ACCORDANCE WITH IRISH WATER TYPICAL DETAILS STD-WW-10/10A/11)

NOTES:
ALL LEVELS RELATE TO MALIN HEAD DATUM.

INFORMATION

© ORS
This drawing and any design hereon is the copyright of the Consultants and must not be reproduced without their written consent. All drawings remain the property of the Consultants.

Figured dimension only to be taken from this drawing.
All dimensions to be checked on site.
Consultants to be informed immediately of any discrepancies before work proceeds.

REV NO:	DATE:	REVISION NOTE:	DWN BY:	CKD BY:
P01	06/07/2026	ISSUED DRAFT FOR INFORMATION	EK	MH
P02	30/07/2026	ISSUED FOR INFORMATION	EK	DG
P03	12/08/2026	ISSUED FOR INFORMATION	EK	MH

CLIENT: BALLYMORE GROUP
PROJECT: PROPOSED DEVELOPMENT, BALLYKEERAN GARDENS, CORNAMADDY, ATHLONE
TITLE: PROPOSED PHASE 1 AMENDMENT FOUL SEWER LAYOUT SHEET 1
DRAWN: EK
CHECKED: RM
APPROVED: MH
JOB NO: 251416
REV: P03
DATE: AUGUST 2026
SCALE: 1:500
DRAWING NO: 251416-ORS-Z1-00-DR-C-403

ORS
Mullingar | Dublin | Galway | Donegal | Cork | Waterford
T: +353 1 5242060 | W: www.ors.ie | E: info@ors.ie
ISO 9001:2015 QUALITY ASSURED COMPANY