



- ### NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - 'ASK'.
 - CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.
 - BURIED WATER MAIN AND FOUL DRAINAGE TO BE IN ACCORDANCE WITH IRISH WATER LATEST DETAILS.

CIVIL LEGEND

| | |
|-----------------------------|------------------|
| EX. FOUL MANHOLE | Ex.F |
| EX. FOUL PIPE | PIPE DESCRIPTION |
| NEW FOUL MANHOLE | F |
| NEW FOUL PIPE | PIPE DESCRIPTION |
| EX. SURFACE WATER MANHOLE | Ex.S |
| EX. SURFACE WATER PIPE | PIPE DESCRIPTION |
| NEW SURFACE WATER MANHOLE | S |
| NEW SURFACE WATER PIPE | PIPE DESCRIPTION |
| EX. COMBINED MANHOLE | Ex.C |
| EX. COMBINED PIPE | PIPE DESCRIPTION |
| NEW COMBINED MANHOLE | C |
| NEW COMBINED PIPE | PIPE DESCRIPTION |
| NEW RISING MAIN | PIPE DESCRIPTION |
| PIPE CROSSOVER | PIPE DESCRIPTION |
| EX. ROOF RAIN WATER MANHOLE | Ex.R |
| EX. ROOF RAIN WATER PIPE | PIPE DESCRIPTION |
| NEW ROOF RAIN WATER MANHOLE | R |
| NEW ROOF RAIN WATER PIPE | PIPE DESCRIPTION |
| DECOMMISSIONED LINE | PIPE DESCRIPTION |
| FOUL ACCESS JUNCTION | △AJ |
| SURFACE ACCESS JUNCTION | △AJ |
| RAINWATER PIPE | ○RWP |
| SOIL VENT PIPE | ●SVP |
| ROAD GULLEY | ■RG |
| BACK INLET GULLEY TRAP | ◇BIGT |
| FOUL RODDING EYE | ○RE |
| SURFACE RODDING EYE | ○RE |
| GULLEY TRAP | ■GT |

SITE INFORMATION

| | | | |
|-----------|-------|-------------|-------------|
| | TOTAL | CATCHMENT 1 | CATCHMENT 2 |
| AREA (ha) | 2.5 | 1.16 | 1.34 |
| UNITS | 544 | 294 | 250 |

FOUL WATER MANHOLE SCHEDULE

| SEWER CONNECTION No.1 | | | | SEWER CONNECTION No.2 | | | |
|---------------------------|-------------|--------------|-------------------------------|-----------------------|-------------|--------------|---------|
| REF. | COVER LEVEL | INVERT LEVEL | REMARKS | REF. | COVER LEVEL | INVERT LEVEL | REMARKS |
| F1.0 | +89.760 | +88.568 | | F5.0 | +88.980 | +86.889 | |
| F1.1 | +89.500 | +88.311 | | F3.4 | +88.980 | +86.847 | |
| F1.2 | +89.500 | +88.272 | | F6.0 C.P. | +91.000 | +88.949 | |
| F1.3 | +89.220 | +88.094 | | F6.1 C.P. | +90.500 | +88.182 | |
| F1.4 | +89.260 | +87.856 | | F6.2 C.P. | +90.500 | +88.787 | |
| EX.SEWER | +89.260 | +87.750 | | F6.3 C.P. | +90.500 | +88.035 | |
| F2.0 | +90.210 | +89.202 | | F2.7 | +89.600 | +88.007 | |
| F2.1 | +90.500 | +88.962 | | | | | |
| F2.2 | +90.200 | +88.844 | | | | | |
| F2.3 | +90.800 | +88.759 | | | | | |
| F2.4 | +90.800 | +88.715 | | | | | |
| F2.5 | +90.800 | +88.495 | | | | | |
| F2.6 | +90.800 | +88.375 | IN OUT | | | | |
| F2.7 | +89.600 | +88.007 | | | | | |
| F1.4 | +89.260 | +87.856 | | | | | |
| FUTURE SITE | +89.980 | +87.847 | | | | | |
| F3.4 | +88.980 | +86.847 | | | | | |
| F4.3 | +88.910 | +86.680 | | | | | |
| NEW PROPOSED FOUL MANHOLE | +88.180 | +83.280 | IN FROM SITE IN FROM I.W. OUT | | | | |
| F3.0 | +89.100 | +87.215 | | | | | |
| F3.1 | +89.150 | +87.149 | | | | | |
| F3.2 | +88.980 | +87.055 | | | | | |
| F3.3 | +88.500 | +86.964 | | | | | |
| F3.4 | +88.980 | +86.847 | | | | | |
| F4.0 | +88.900 | +87.386 | | | | | |
| F4.1 | +88.800 | +87.222 | | | | | |
| F4.2 | +88.400 | +86.952 | | | | | |
| F4.3 | +88.910 | +86.680 | | | | | |

- ### GENERAL DRAINAGE NOTES:
- FOUL WATER & WATERMAIN CONSTRUCTED IN ACCORDANCE WITH IRISH WATER LATEST DETAILS.
 - COVER LEVELS SHOWN ARE INDICATIVE ONLY. EXACT LEVELS TO BE DETERMINED BY LANDSCAPING ARCHITECT. ALL MANHOLES IN HARD LANDSCAPED PAVED AREAS TO HAVE A 40mm RECESSED CLASS 'D400' COVER. ALL OTHER MANHOLE COVERS ARE TO BE CLASS 'D400' CIRCULAR & HINGED.
 - ALL S.W. BRANCH PIPES TO BE 150@ @ 1:100 UNLESS NOTED OTHERWISE. CONNECTION OF BRANCHES TO THE MAIN LINE ARE TO BE BY MEANS OF A 45° BRANCH CONNECTION. SADDLE CONNECTIONS ARE NOT PERMITTED.
 - ALL ACO SUMPS IN THE PERMEABLE PAVED AREAS DISCHARGE VIA A 3m LONG PERFORATED PIPE INTO THE GRAVEL SUB-BASE.
 - INTERNAL GROUND FLOOR FOUL CONNECTIONS TO DRAIN SEPARATELY FROM THE UPPER STORIES.
 - ALL I.C.'s TO HAVE DUCTILE IRON COVERS.
 - ALL BURIED PIPES UNDER GROUND FLOOR SLABS TO BE ENCASED IN CONCRETE.

BURIED FOUL DRAINAGE LAYOUT
 SCALE @ A1: 1:500
 SCALE @ A3: 1:1000

| | | | | | | |
|-------|----------|---------------------|-----|------|------|------|
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PLANNING

BM Dublin Office: Sandwith House, 52-54 Lower Sandwith Street, Dublin 2, Ireland. Tel: (01) 677 3200 Fax: (01) 677 3164
 London Office: 12 Mill Street, London SE1 2AY, United Kingdom Tel: (0044) 084 5413 2722
 Consulting Engineers, Civil, Structural, Project Management. E-mail: bmce@bmce.ie Web: www.bmce.ie

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 The Institution of Structural Engineers
ACEI
 International Federation of Consulting Engineers

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|---|---------------------------------|
| CLIENT GREENLEAF HOMES LIMITED | |
| PROJECT TITLE MIXED-USE DEVELOPMENT, THE FORMER GALLAHER SITE, AIRTON ROAD, TALLAGHT, D24 | BM PROJECT No. 19.136 |
| MODEL REFERENCE | MODEL REV. SUITABILITY |
| DRAWING TITLE BURIED FOUL DRAINAGE LAYOUT GROUND LEVEL | |
| DRAWING No. ARD-BMD-00-XX-DR-C-1001 | ISSUE PL2 |