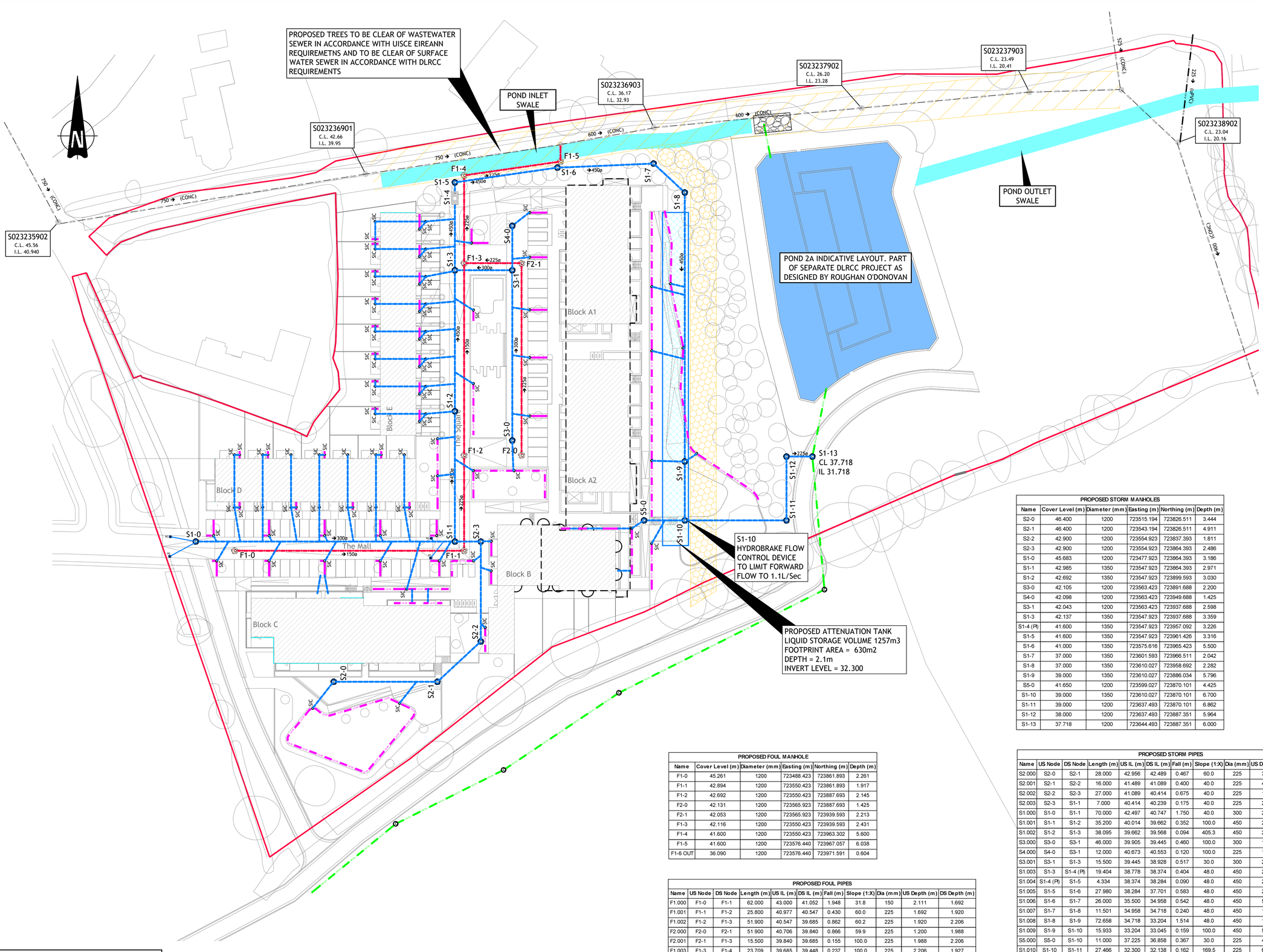


LEGEND

- SITE BOUNDARY
- PROPOSED BUILDING
- BASEMENT OUTLINE
- EXISTING COMBINED SEWER 225
- EXISTING FOUL SEWER 150
- EXISTING FOUL MANHOLE FMH1 C.L. I.L.
- PROPOSED FOUL SEWER 225
- PROPOSED FOUL MANHOLE F1-0
- INDICATIVE ROUTE OF SURFACE WATER DRAINAGE TO BE INSTALLED AS PART OF POND 2A WORKS 150
- EXISTING SURFACE WATER MANHOLE SMH1 C.L. I.L.
- PROPOSED SURFACE WATER SEWER S1.001 150
- PROPOSED SURFACE WATER MANHOLE S1-0
- PROPOSED PETROL INTERCEPTOR
- PROPOSED GULLY
- 10.6m WIDE WAYLEAVE OVER EXISTING UISCE EIREANN COMBINED SEWER
- POND 2A INDICATIVE LAYOUT. PART OF SEPARATE DLRCC PROJECT AS DESIGNED BY ROUGHAN O'DONOVAN
- PROPOSED ATTENUATION TANK
- POND 2A SWALE WORKS INDICATIVE LAYOUT. PART OF SEPARATE DLRCC PROJECT AS DESIGNED BY ROUGHAN O'DONOVAN
- PROPOSED FILTER DRAIN TYPE A
- PROPOSED SURFACE WATER INSPECTION CHAMBER SIC1-0
- 7m WIDE WAYLEAVE ALLOW FOR 300mm DIAMETER WASTEWATER SEWER TO SERVICE ADJACENT DEVELOPMENT.

**PROPOSED STORM MANHOLES**

| Name | Cover Level (m) | Diameter (mm) | Easting (m) | Northing (m) | Depth (m) |
|---|---|---|---|---|---|
| S2-0 | 46.400 | 1200 | 723515.194 | 723826.511 | 3.444 |
| S2-1 | 46.400 | 1200 | 723543.194 | 723826.511 | 4.911 |
| S2-2 | 42.900 | 1200 | 723554.923 | 723837.393 | 1.811 |
| S2-3 | 42.900 | 1200 | 723554.923 | 723864.393 | 2.486 |
| S1-0 | 45.683 | 1200 | 723477.923 | 723864.393 | 3.186 |
| S1-1 | 42.985 | 1350 | 723547.923 | 723864.393 | 2.971 |
| S1-2 | 42.692 | 1350 | 723547.923 | 723899.593 | 3.030 |
| S3-0 | 42.105 | 1200 | 723563.423 | 723891.688 | 2.200 |
| S4-0 | 42.098 | 1200 | 723563.423 | 723949.688 | 1.425 |
| S3-1 | 42.043 | 1200 | 723563.423 | 723937.688 | 2.598 |
| S1-3 | 42.137 | 1350 | 723547.923 | 723937.688 | 3.359 |
| S1-4 (PI) | 41.600 | 1350 | 723547.923 | 723957.092 | 3.226 |
| S1-5 | 41.600 | 1350 | 723547.923 | 723961.426 | 3.316 |
| S1-6 | 41.000 | 1350 | 723575.616 | 723965.423 | 5.500 |
| S1-7 | 37.000 | 1350 | 723601.593 | 723966.511 | 2.042 |
| S1-8 | 37.000 | 1350 | 723610.027 | 723958.692 | 2.282 |
| S1-9 | 39.000 | 1350 | 723610.027 | 723886.034 | 5.796 |
| S5-0 | 41.650 | 1200 | 723599.027 | 723870.101 | 4.425 |
| S1-10 | 39.000 | 1350 | 723610.027 | 723870.101 | 6.700 |
| S1-11 | 39.000 | 1200 | 723637.493 | 723870.101 | 6.862 |
| S1-12 | 38.000 | 1200 | 723637.493 | 723887.351 | 5.964 |
| S1-13 | 37.718 | 1200 | 723644.493 | 723887.351 | 6.000 |

**PROPOSED FOUL MANHOLE**

| Name | Cover Level (m) | Diameter (mm) | Easting (m) | Northing (m) | Depth (m) |
|---|---|---|---|---|---|
| F1-0 | 45.261 | 1200 | 723488.423 | 723861.893 | 2.261 |
| F1-1 | 42.894 | 1200 | 723550.423 | 723861.893 | 1.917 |
| F1-2 | 42.692 | 1200 | 723550.423 | 723887.693 | 2.145 |
| F2-0 | 42.131 | 1200 | 723565.923 | 723887.693 | 1.425 |
| F2-1 | 42.053 | 1200 | 723565.923 | 723939.593 | 2.213 |
| F1-3 | 42.116 | 1200 | 723550.423 | 723939.593 | 2.431 |
| F1-4 | 41.600 | 1200 | 723550.423 | 723963.302 | 5.600 |
| F1-5 | 41.600 | 1200 | 723576.440 | 723967.057 | 6.038 |
| F1-6 OUT | 36.090 | 1200 | 723576.440 | 723971.591 | 0.604 |

**PROPOSED FOUL PIPES**

| Name | US Node | DS Node | Length (m) | US IL (m) | DS IL (m) | Fall (m) | Slope (1:X) | Dia (mm) | US Depth (m) | DS Depth (m) |
|---|---|---|---|---|---|---|---|---|---|---|
| F1.000 | F1-0 | F1-1 | 62.000 | 43.000 | 41.052 | 1.948 | 31.8 | 150 | 2.111 | 1.692 |
| F1.001 | F1-1 | F1-2 | 25.800 | 40.977 | 40.547 | 0.430 | 60.0 | 225 | 1.692 | 1.920 |
| F1.002 | F1-2 | F1-3 | 51.900 | 40.547 | 39.685 | 0.862 | 60.2 | 225 | 1.920 | 2.206 |
| F2.000 | F2-0 | F2-1 | 51.900 | 40.706 | 39.840 | 0.866 | 59.9 | 225 | 1.200 | 1.988 |
| F2.001 | F2-1 | F1-3 | 15.500 | 39.840 | 39.685 | 0.155 | 100.0 | 225 | 1.988 | 2.206 |
| F1.003 | F1-3 | F1-4 | 23.709 | 39.685 | 39.448 | 0.237 | 100.0 | 225 | 2.206 | 1.927 |
| F1.004 | F1-4 | F1-5 | 26.287 | 36.000 | 35.562 | 0.438 | 60.0 | 225 | 5.375 | 5.813 |
| F1.005 | F1-5 | F1-6 OUT | 4.534 | 35.562 | 35.486 | 0.076 | 60.0 | 225 | 5.813 | 0.379 |

**PROPOSED STORM PIPES**

| Name | US Node | DS Node | Length (m) | US IL (m) | DS IL (m) | Fall (m) | Slope (1:X) | Dia (mm) | US Depth (m) | DS Depth (m) |
|---|---|---|---|---|---|---|---|---|---|---|
| S2.000 | S2-0 | S2-1 | 28.000 | 42.956 | 42.489 | 0.467 | 60.0 | 225 | 3.219 | 3.686 |
| S2.001 | S2-1 | S2-2 | 16.000 | 41.489 | 41.089 | 0.400 | 40.0 | 225 | 4.686 | 1.586 |
| S2.002 | S2-2 | S2-3 | 27.000 | 41.089 | 40.414 | 0.675 | 40.0 | 225 | 1.586 | 2.261 |
| S2.003 | S2-3 | S1-1 | 7.000 | 40.414 | 40.239 | 0.175 | 40.0 | 225 | 2.261 | 2.521 |
| S1.000 | S1-0 | S1-1 | 70.000 | 42.497 | 40.747 | 1.750 | 40.0 | 300 | 2.886 | 1.938 |
| S1.001 | S1-1 | S1-2 | 35.200 | 40.014 | 39.662 | 0.352 | 100.0 | 450 | 2.521 | 2.580 |
| S1.002 | S1-2 | S1-3 | 38.095 | 39.662 | 39.568 | 0.094 | 405.3 | 450 | 2.580 | 2.119 |
| S3.000 | S3-0 | S3-1 | 46.000 | 39.905 | 39.445 | 0.460 | 100.0 | 300 | 1.900 | 2.298 |
| S4.000 | S4-0 | S3-1 | 12.000 | 40.673 | 40.553 | 0.120 | 100.0 | 225 | 1.200 | 1.265 |
| S3.001 | S3-1 | S1-3 | 15.500 | 39.445 | 38.928 | 0.517 | 30.0 | 300 | 2.298 | 2.909 |
| S1.003 | S1-3 | S1-4 (PI) | 19.404 | 38.778 | 38.374 | 0.404 | 48.0 | 450 | 2.909 | 2.776 |
| S1.004 | S1-4 (PI) | S1-5 | 4.334 | 38.374 | 38.284 | 0.090 | 48.0 | 450 | 2.776 | 2.866 |
| S1.005 | S1-5 | S1-6 | 27.980 | 38.284 | 37.701 | 0.583 | 48.0 | 450 | 2.866 | 2.849 |
| S1.006 | S1-6 | S1-7 | 26.000 | 35.500 | 34.958 | 0.542 | 48.0 | 450 | 5.050 | 1.592 |
| S1.007 | S1-7 | S1-8 | 11.501 | 34.958 | 34.718 | 0.240 | 48.0 | 450 | 1.592 | 1.832 |
| S1.008 | S1-8 | S1-9 | 72.658 | 34.718 | 33.204 | 1.514 | 48.0 | 450 | 1.832 | 5.346 |
| S1.009 | S1-9 | S1-10 | 15.933 | 33.204 | 33.045 | 0.159 | 100.0 | 450 | 5.346 | 5.505 |
| S5.000 | S5-0 | S1-10 | 11.000 | 37.225 | 36.858 | 0.367 | 30.0 | 225 | 4.200 | 1.917 |
| S1.010 | S1-10 | S1-11 | 27.466 | 32.300 | 32.138 | 0.162 | 169.5 | 225 | 6.475 | 6.637 |
| S1.011 | S1-11 | S1-12 | 17.250 | 32.138 | 32.036 | 0.102 | 169.1 | 225 | 6.637 | 5.739 |
| S1.012 | S1-12 | S1-13 | 7.000 | 32.036 | 31.718 | 0.318 | 22.0 | 225 | 5.739 | 5.775 |





| Rev | Amendment | By | Date |
|---|---|---|---|
| C01 | DRAFT PLANNING ISSUE | PJM | 2024-04-12 |
| C02 | PLANNING APPLICATION | PJM | 2024-06-25 |

Client:

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Project: RESIDENTIAL DEVELOPMENT LEHAUNSTOWN, CHERRYWOOD
Title: PROPOSED DRAINAGE LAYOUT

| Drawn: | Date drawn: | Technician Check: | Engineer Check: | Approved: |
|---|---|---|---|---|
| PJ Mulcahy | 2024-01-05 | PJ Mulcahy | Mark Richardson | Leonard Brennan |
| Project No: 232250 | Model Ref: 232250-PUNCH-XX-XX-M2-C-0201 | | Drawing Status: A0 (Planning) | |
| Scale @ A1: 1:500 | Document No: 232250-PUNCH-XX-XX-DR-C-0201 | | | Revision No: C02 |