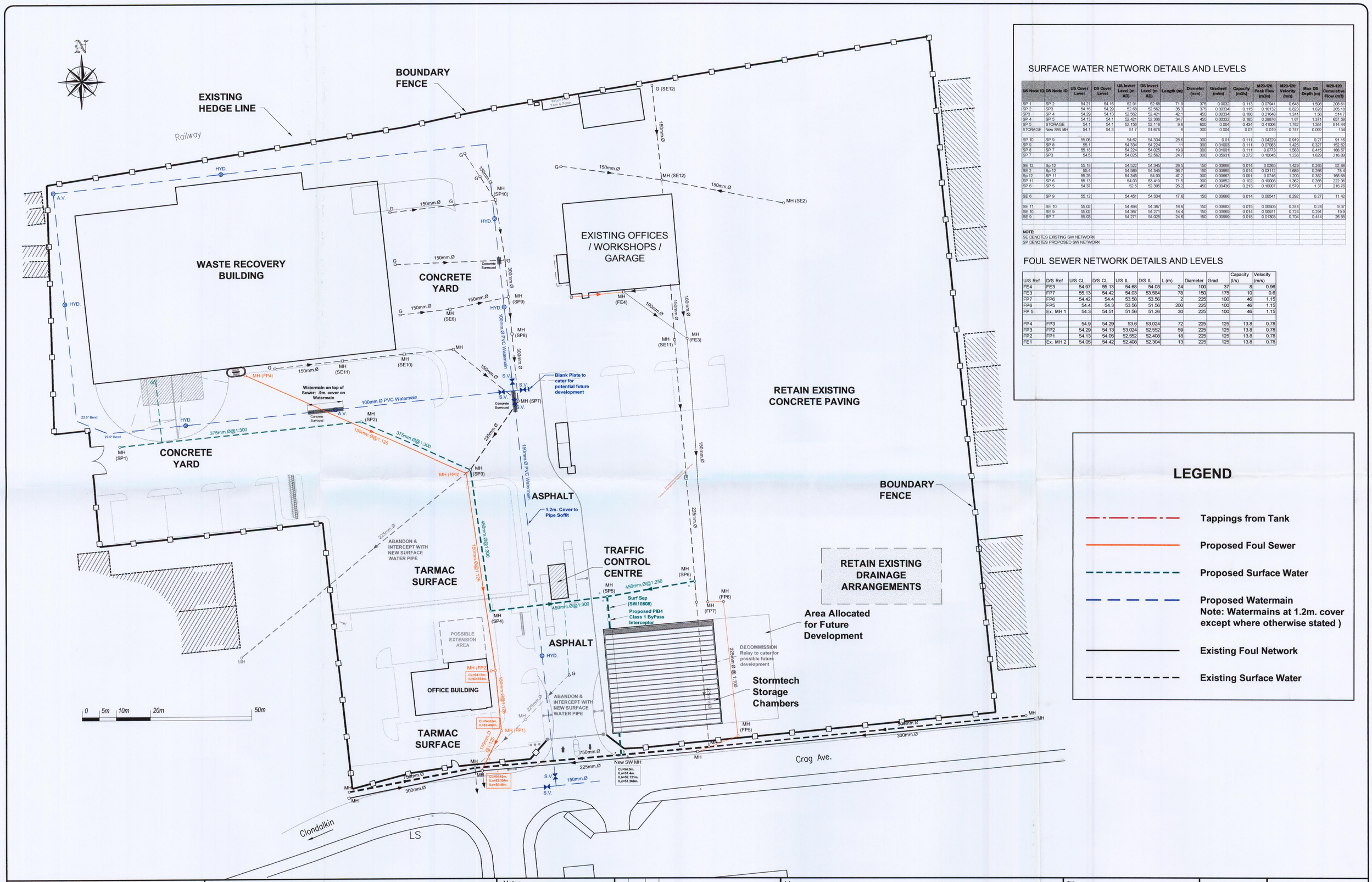


## SURFACE WATER NETWORK DETAILS AND LEVELS

| US Node ID | DS Node ID | US Cover Level | DS Cover Level | US Invert Level (m AD) | DS Invert Level (m AD) | Length (m) | Diameter (mm) | Gradient (m/m) | Capacity (m3/s) | M20-120 Peak Flow (m3/s) | M20-120 Velocity (m/s) | Max DS Depth (m) | M20-120 Cumulative Flow (m3) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SP 1 | SP 2 | 54.21 | 54.16 | 52.91 | 52.68 | 71.9 | 375 | 0.0032 | 0.113 | 0.07941 | 0.648 | 1.598 | 208.61 |
| SP 2 | SP3 | 54.16 | 54.29 | 52.66 | 52.562 | 35.3 | 375 | 0.00334 | 0.115 | 0.10152 | 0.823 | 1.628 | 265.18 |
| SP3 | SP 4 | 54.29 | 54.13 | 52.562 | 52.421 | 42.1 | 450 | 0.00334 | 0.186 | 0.21648 | 1.241 | 1.56 | 514.7 |
| SP 4 | SP 5 | 54.13 | 54.1 | 52.421 | 52.306 | 34.7 | 450 | 0.00332 | 0.185 | 0.28876 | 1.67 | 1.371 | 657.59 |
| SP 5 | STORAGE | 54.1 | 54.1 | 52.156 | 52.118 | 9.6 | 600 | 0.004 | 0.434 | 0.41006 | 1.762 | 1.361 | 914.44 |
| STORAGE | New SW MH | 54.1 | 54.3 | 51.7 | 51.676 | 6 | 300 | 0.004 | 0.07 | 0.019 | 0.747 | 0.092 | 134 |
| | | | | | | | | | | | | | |
| SP 10 | SP 9 | 55.08 | | 54.62 | 54.334 | 28.6 | 300 | 0.01 | 0.111 | 0.04229 | 0.919 | 0.27 | 91.16 |
| SP 9 | SP 8 | 55.1 | | 54.334 | 54.224 | 11 | 300 | 0.01000 | 0.111 | 0.07083 | 1.425 | 0.327 | 152.62 |
| SP 8 | SP 7 | 55.18 | | 54.224 | 54.025 | 19.9 | 300 | 0.01001 | 0.111 | 0.0773 | 1.563 | 0.415 | 166.57 |
| SP 7 | SP3 | 54.5 | | 54.025 | 52.562 | 24.7 | 300 | 0.05931 | 0.272 | 0.10045 | 1.238 | 1.629 | 216.88 |
| | | | | | | | | | | | | | |
| SE 12 | Sp 12 | 55.18 | | 54.522 | 54.345 | 26.5 | 150 | 0.00668 | 0.014 | 0.0265 | 1.429 | 0.265 | 52.88 |
| SE 2 | Sp 12 | 55.4 | | 54.589 | 54.345 | 36.7 | 150 | 0.00665 | 0.014 | 0.03117 | 1.689 | 0.266 | 78.4 |
| Sp 12 | SP 11 | 55.25 | | 54.345 | 54.03 | 47.2 | 300 | 0.00667 | 0.061 | 0.0746 | 1.209 | 0.352 | 168.68 |
| SP 11 | SP 6 | 55.13 | | 54.03 | 53.419 | 71.5 | 300 | 0.00852 | 0.102 | 0.10008 | 1.362 | 0.355 | 222.36 |
| SP 6 | SP 5 | 54.37 | | 52.5 | 52.395 | 26.3 | 450 | 0.00436 | 0.213 | 0.10007 | 0.579 | 1.37 | 216.76 |
| | | | | | | | | | | | | | |
| SE 6 | SP 9 | 55.12 | | 54.451 | 54.334 | 17.6 | 150 | 0.00666 | 0.014 | 0.00541 | 0.292 | 0.27 | 11.42 |
| | | | | | | | | | | | | | |
| SE 11 | SE 10 | 55.02 | | 54.494 | 54.367 | 18.6 | 150 | 0.00683 | 0.015 | 0.00505 | 0.374 | 0.24 | 9.37 |
| SE 10 | SE 9 | 55.02 | | 54.367 | 54.271 | 14.4 | 150 | 0.00669 | 0.014 | 0.00971 | 0.724 | 0.291 | 19.9 |
| SE 9 | SP 7 | 55.03 | | 54.271 | 54.025 | 24.6 | 150 | 0.00669 | 0.016 | 0.01303 | 0.704 | 0.414 | 26.55 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

**NOTE:**
SE DENOTES EXISTING SW NETWORK
SP DENOTES PROPOSED SW NETWORK

## FOUL SEWER NETWORK DETAILS AND LEVELS

| U/S Ref | D/S Ref | U/S CL | D/S CL | U/S IL | D/S IL | L (m) | Diameter | Grad | Capacity (l/s) | Velocity (m/s) |
|---|---|---|---|---|---|---|---|---|---|---|
| FE4 | FE3 | 54.97 | 55.13 | 54.68 | 54.03 | 24 | 100 | 37 | 8 | 0.96 |
| FE3 | FP7 | 55.13 | 54.42 | 54.03 | 53.584 | 78 | 150 | 175 | 10 | 0.6 |
| FP7 | FP6 | 54.42 | 54.4 | 53.58 | 53.56 | 2 | 225 | 100 | 46 | 1.15 |
| FP6 | FP5 | 54.4 | 54.3 | 53.56 | 51.56 | 200 | 225 | 100 | 46 | 1.15 |
| FP 5 | Ex. MH 1 | 54.3 | 54.51 | 51.56 | 51.26 | 30 | 225 | 100 | 46 | 1.15 |
| | | | | | | | | | | |
| FP4 | FP3 | 54.9 | 54.29 | 53.6 | 53.024 | 72 | 225 | 125 | 13.8 | 0.78 |
| FP3 | FP2 | 54.29 | 54.13 | 53.024 | 52.552 | 59 | 225 | 125 | 13.8 | 0.78 |
| FP2 | FP1 | 54.13 | 54.05 | 52.552 | 52.408 | 18 | 225 | 125 | 13.8 | 0.78 |
| FE1 | Ex. MH 2 | 54.05 | 54.42 | 52.408 | 52.304 | 13 | 225 | 125 | 13.8 | 0.78 |

## LEGEND

- Tappings from Tank
- Proposed Foul Sewer
- Proposed Surface Water
- Proposed Watermain Note: Watermains at 1.2m. cover except where otherwise stated )
- Existing Foul Network
- Existing Surface Water

*Client.*

GREYHOUND Recycling & Recovery

Others talk about recycling - we just do it!

LORCAN GREENE & ASSOCIATES ARCHITECTS

RPS MCOS

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**Notes**

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2. All levels are referred to Ordnance Survey Datum, Malin Head.
3. DO NOT SCALE, use figured dimensions only, if in doubt ask.

| No. | Date | By | Amendments |
|---|---|---|---|
| A04 | April04 | KM | ISSUED FOR APPROVAL - PLANNING OFFICE |
| A03 | Feb04 | RH | ISSUED FOR APPROVAL - PLANNING OFFICE |
| A02 | Oct03 | GDB | ISSUED FOR APPROVAL - PLANNING OFFICE |
| A01 | Oct03 | RH | ISSUED FOR APPROVAL |

*Job.*

**SUSTAINABLE RESOURCE RECOVERY FACILITY**

*Title.*

**SERVICES PROPOSED DETAILS**

| Issue Details | |
|---|---|
| Drawn. | RH |
| Checked. | WP |
| Approved. | CB |
| Scale. | 1:500 |
| Date. | Oct'03 |

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|---|---|
| File Ref. | MDE0163DG008A04.dwg |
| Job No. | mde0163 |
| Drawing No. | DG008 |
| Rev. | A04 |

002

# G02

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