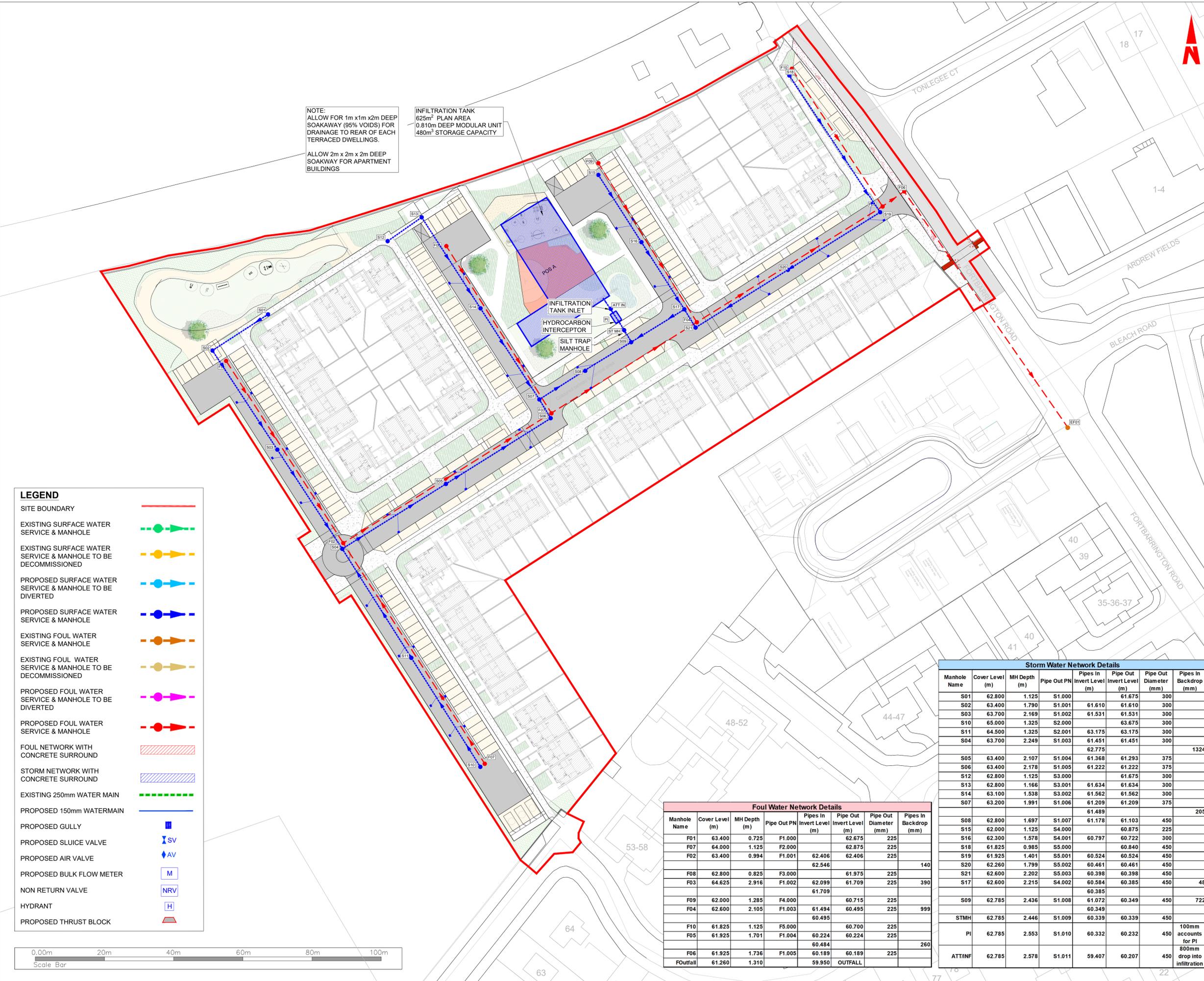


S:\MGC0712 - NDFA SHB3\Drawings\DA\DA002 - Foul Water and Storm Network Layout.dwg



NOTE:
ALLOW FOR 1m x1m x2m DEEP SOAKAWAY (95% VOIDS) FOR DRAINAGE TO REAR OF EACH TERRACED DWELLINGS.
ALLOW 2m x 2m x 2m DEEP SOAKAWAY FOR APARTMENT BUILDINGS

INFILTRATION TANK
625m² PLAN AREA
0.810m DEEP MODULAR UNIT
480m³ STORAGE CAPACITY

| LEGEND | |
|---|--|
| SITE BOUNDARY | |
| EXISTING SURFACE WATER SERVICE & MANHOLE | |
| EXISTING SURFACE WATER SERVICE & MANHOLE TO BE DECOMMISSIONED | |
| PROPOSED SURFACE WATER SERVICE & MANHOLE TO BE DIVERTED | |
| PROPOSED SURFACE WATER SERVICE & MANHOLE | |
| EXISTING FOUL WATER SERVICE & MANHOLE | |
| EXISTING FOUL WATER SERVICE & MANHOLE TO BE DECOMMISSIONED | |
| PROPOSED FOUL WATER SERVICE & MANHOLE TO BE DIVERTED | |
| PROPOSED FOUL WATER SERVICE & MANHOLE | |
| FOUL NETWORK WITH CONCRETE SURROUND | |
| STORM NETWORK WITH CONCRETE SURROUND | |
| EXISTING 250mm WATER MAIN | |
| PROPOSED 150mm WATERMAIN | |
| PROPOSED GULLY | |
| PROPOSED SLUICE VALVE | |
| PROPOSED AIR VALVE | |
| PROPOSED BULK FLOW METER | |
| NON RETURN VALVE | |
| HYDRANT | |
| PROPOSED THRUST BLOCK | |



| Foul Water Network Details | | | | | | |
|----------------------------|-----------------|--------------|-------------|---------------------------|---------------------------|------------------------|
| Manhole Name | Cover Level (m) | MH Depth (m) | Pipe Out PN | Pipes In Invert Level (m) | Pipe Out Invert Level (m) | Pipe Out Diameter (mm) |
| F01 | 63.400 | 0.725 | F1.000 | 62.675 | 62.675 | 225 |
| F07 | 64.000 | 1.125 | F2.000 | 62.875 | 62.875 | 225 |
| F02 | 63.400 | 0.994 | F1.001 | 62.406 | 62.406 | 225 |
| F08 | 62.800 | 0.825 | F3.000 | 61.975 | 61.975 | 225 |
| F03 | 64.625 | 2.916 | F1.002 | 62.099 | 61.709 | 225 |
| F09 | 62.000 | 1.285 | F4.000 | 60.715 | 60.715 | 225 |
| F04 | 62.600 | 2.105 | F1.003 | 61.494 | 60.495 | 225 |
| F10 | 61.825 | 1.125 | F5.000 | 60.700 | 60.700 | 225 |
| F05 | 61.925 | 1.701 | F1.004 | 60.224 | 60.224 | 225 |
| F06 | 61.925 | 1.736 | F1.005 | 60.189 | 60.189 | 225 |
| F0fall | 61.260 | 1.310 | | 59.950 | OUTFALL | |

| Storm Water Network Details | | | | | | |
|-----------------------------|-----------------|--------------|-------------|---------------------------|---------------------------|------------------------|
| Manhole Name | Cover Level (m) | MH Depth (m) | Pipe Out PN | Pipes In Invert Level (m) | Pipe Out Invert Level (m) | Pipe Out Diameter (mm) |
| S01 | 62.800 | 1.125 | S1.000 | 61.675 | 61.675 | 300 |
| S02 | 63.400 | 1.790 | S1.001 | 61.610 | 61.610 | 300 |
| S03 | 63.700 | 2.169 | S1.002 | 61.531 | 61.531 | 300 |
| S10 | 65.000 | 1.325 | S2.000 | 63.675 | 63.675 | 300 |
| S11 | 64.500 | 1.325 | S2.001 | 63.175 | 63.175 | 300 |
| S04 | 63.700 | 2.249 | S1.003 | 61.451 | 61.451 | 300 |
| S05 | 63.400 | 2.107 | S1.004 | 61.368 | 61.293 | 375 |
| S06 | 63.400 | 2.178 | S1.005 | 61.222 | 61.222 | 375 |
| S12 | 62.800 | 1.125 | S3.000 | 61.675 | 61.675 | 300 |
| S13 | 62.800 | 1.166 | S3.001 | 61.634 | 61.634 | 300 |
| S14 | 63.100 | 1.538 | S3.002 | 61.562 | 61.562 | 300 |
| S07 | 63.200 | 1.991 | S1.006 | 61.209 | 61.209 | 375 |
| S08 | 62.800 | 1.697 | S1.007 | 61.178 | 61.103 | 450 |
| S15 | 62.000 | 1.125 | S4.000 | 60.875 | 60.875 | 225 |
| S16 | 62.300 | 1.578 | S4.001 | 60.797 | 60.722 | 300 |
| S18 | 61.825 | 0.985 | S5.000 | 60.840 | 60.840 | 450 |
| S19 | 61.925 | 1.401 | S5.001 | 60.524 | 60.524 | 450 |
| S20 | 62.260 | 1.799 | S5.002 | 60.461 | 60.461 | 450 |
| S21 | 62.600 | 2.202 | S5.003 | 60.398 | 60.398 | 450 |
| S17 | 62.600 | 2.215 | S4.002 | 60.584 | 60.385 | 450 |
| S09 | 62.785 | 2.436 | S1.008 | 61.072 | 60.349 | 450 |
| STMH | 62.785 | 2.446 | S1.009 | 60.339 | 60.339 | 450 |
| PI | 62.785 | 2.553 | S1.010 | 60.332 | 60.232 | 450 |
| ATT/INF | 62.785 | 2.578 | S1.011 | 59.407 | 60.207 | 450 |

- General Notes:
- Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipient's own risk. RPS will not accept any responsibility for any errors from the use of these files, either by human error or by the recipient, listing of the un-dimensioned measurements, compatibility with the recipient's software, and any errors arising when these files are used to aid the recipient's drawing production, or setting out on site. DO NOT SCALE, use figured dimensions only.
 - This drawing is the property of RPS. It is a project confidential classified document. It must not be copied used or its contents divulged without prior written consent. The needs and expectations of client and RPS must be considered when working with this drawing.
 - Information including topographical survey, geotechnical investigation and utility detail used in the design have been provided by others.
 - All Levels refer to Ordnance Survey Datum, Malin Head.

- Foul Sewer Notes:
- All foul sewer works shall be carried out in accordance with Irish Water Standard Details and Code of Practice for Wastewater Infrastructure Document CDS-5030-03.
 - All pipe materials shall comply with Section 3.13 of the Irish Water Code of Practice for Wastewater Infrastructure Document CDS-5030-03.
 - Foul sewer service connections and inspection chambers to each dwelling shall be in accordance with Irish Water standard detail STD-WW-02.
 - All manhole chambers shall be in accordance with Irish Water standard detail STD-WW-10.
 - Trench backfill and bedding shall be in accordance with Irish Water standard detail STD-WW-07.
 - Concrete bed, haunch and surround shall be in accordance with Irish Water standard detail STD-WW-08.
 - Separation distances from other services, boundary walls etc. shall be in accordance with Irish Water standard detail STD-WW-05.
 - Separation distances from trees, shrubs etc. shall be in accordance with Irish Water standard detail STD-WW-06 & 06A.

- Storm Sewer Notes:
- All pipe materials shall comply with Section 3.13 of the Irish Water Code of Practice for Wastewater Infrastructure Document CDS-5030-03.
 - All manhole chambers shall be in accordance with Irish Water standard detail STD-WW-10.
 - Trench backfill and bedding shall be in accordance with Irish Water standard detail STD-WW-07.
 - Concrete bed, haunch and surround shall be in accordance with Irish Water standard detail STD-WW-08.

- Watermain Notes:
- All watermain works shall be carried out in accordance with Irish Water Standard Details and Code of Practice for Water Infrastructure Document CDS-5020-03.
 - All pipe materials shall be in compliance with Section 3.9 of Irish Water Code of Practice Document CDS-5020-03.
 - Individual water service connections and boundary boxes to each dwelling shall be in compliance with Irish Water standard detail STD-W-02.
 - Separation distances from other services, boundary walls etc. shall be in accordance with Irish Water standard detail STD-W-11.
 - Separation distances from trees, shrubs etc. shall be in accordance with Irish Water standard detail STD-W-12 & 12A.
 - On line and off-line air valve details shall be in accordance with Irish Water standard detail STD-W-22 & STD-W-23 respectively.
 - Sluice valve details shall be in accordance with Irish Water standard detail STD-W-15.
 - On line and off-line hydrant details shall be in accordance with Irish Water standard detail STD-W-18 & STD-W-19 respectively.
 - Scour valve and chamber details shall be in accordance with Irish Water standard detail STD-W-30.

| | | | | | |
|-----|----------|-------|---------|---------------------|-----|
| Rev | Date | Drawn | Checked | Amendment / Issue | App |
| P06 | 19.11.21 | PMCB | DK | ISSUE FOR LA REVIEW | DK |



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Project: SHB 3 ATHY, CO. KILDARE
Title: Foul and Storm Sewer Layout

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