

THE INFORMATION ON THIS DRAWING IS TO THE TAILTE ÉIREANN - SURVEYING ITM COORDINATE SYSTEM

- LEGEND:**
- PROPOSED LAND DRAIN 225Ø PERFORATED PIPE
 - PROPOSED 225Ø STORM SEWER PIPE
 - PROPOSED POND
 - EXISTING STORM SEWER
 - PROPOSED LOCKABLE GULLY WITH 150MM CONNECTION
 - EXISTING ATTENUATION TANK
 - EXISTING STORM WATER DRAIN
 - CONCRETE COVER

- NOTES:**
- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
 - ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
 - ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
 - THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
 - ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

| Rev | Date | Description | By | Chkd. |
|-----|------------|---------------------|----|-------|
| D2 | 26.03.2026 | Issue for Planning | CP | NC |
| D1 | 26.01.2026 | Revised Draft Issue | IH | NC |
| D0 | 25.06.2025 | RSA Issue | AO | MG |

Client: **Kilkenny County Council**

Project: **IDA Belview Infrastructure Development**

Title: **Proposed Stormwater Layout Sheet 2 of 2**

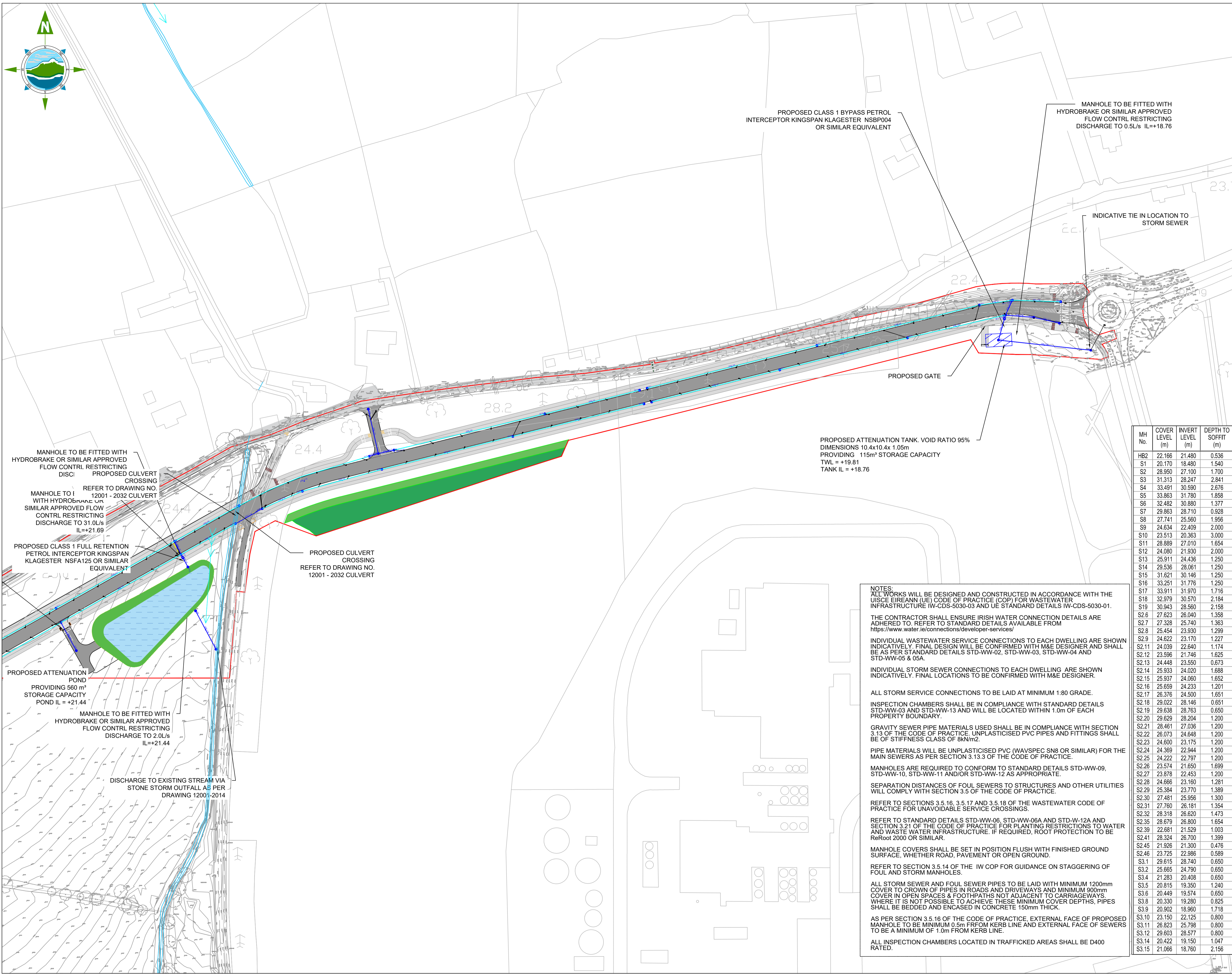
Scale @ A1: **1:1000**

Prepared by: **PD** Checked by: **SB** Date: **14.10.2024**

Drawing Status: **Planning**



Drawing No.: **12001-2014** Revision: **D2**



PROPOSED ATTENUATION TANK. VOID RATIO 95%
DIMENSIONS 10.4x10.4x 1.05m
PROVIDING 115m³ STORAGE CAPACITY
TWL = +19.81
TANK IL = +18.76

| MH No. | COVER LEVEL (m) | INVERT LEVEL (m) | DEPTH TO SOFFIT (m) |
|--------|-----------------|------------------|---------------------|
| HB2 | 22.166 | 21.480 | 0.536 |
| S1 | 20.170 | 18.480 | 1.540 |
| S2 | 28.950 | 27.100 | 1.700 |
| S3 | 31.313 | 28.247 | 2.841 |
| S4 | 33.491 | 30.590 | 2.676 |
| S5 | 33.863 | 31.780 | 1.858 |
| S6 | 32.482 | 30.880 | 1.377 |
| S7 | 29.863 | 28.710 | 0.928 |
| S8 | 27.741 | 25.560 | 1.956 |
| S9 | 24.634 | 22.409 | 2.000 |
| S10 | 23.513 | 20.363 | 3.000 |
| S11 | 28.889 | 27.010 | 1.654 |
| S12 | 24.080 | 21.930 | 2.000 |
| S13 | 25.911 | 24.436 | 1.250 |
| S14 | 29.536 | 28.061 | 1.250 |
| S15 | 31.621 | 30.146 | 1.250 |
| S16 | 33.251 | 31.776 | 1.250 |
| S17 | 33.911 | 31.970 | 1.716 |
| S18 | 32.979 | 30.570 | 2.184 |
| S19 | 30.943 | 28.560 | 2.158 |
| S2.6 | 27.623 | 26.040 | 1.358 |
| S2.7 | 27.328 | 25.740 | 1.363 |
| S2.8 | 25.454 | 23.930 | 1.299 |
| S2.9 | 24.622 | 23.170 | 1.227 |
| S2.11 | 24.039 | 22.640 | 1.174 |
| S2.12 | 23.596 | 21.746 | 1.625 |
| S2.13 | 24.448 | 23.550 | 0.673 |
| S2.14 | 25.933 | 24.020 | 1.888 |
| S2.15 | 25.937 | 24.060 | 1.652 |
| S2.16 | 25.659 | 24.233 | 1.201 |
| S2.17 | 26.376 | 24.500 | 1.651 |
| S2.18 | 29.022 | 28.146 | 0.651 |
| S2.19 | 29.638 | 28.763 | 0.650 |
| S2.20 | 29.629 | 28.204 | 1.200 |
| S2.21 | 28.461 | 27.036 | 1.200 |
| S2.22 | 26.073 | 24.648 | 1.200 |
| S2.23 | 24.600 | 23.175 | 1.200 |
| S2.24 | 24.369 | 22.944 | 1.200 |
| S2.25 | 24.222 | 22.797 | 1.200 |
| S2.26 | 23.574 | 21.650 | 1.699 |
| S2.27 | 23.878 | 22.453 | 1.200 |
| S2.28 | 24.666 | 23.160 | 1.281 |
| S2.29 | 25.384 | 23.770 | 1.389 |
| S2.30 | 27.481 | 25.956 | 1.300 |
| S2.31 | 27.760 | 26.181 | 1.354 |
| S2.32 | 28.318 | 26.620 | 1.473 |
| S2.35 | 28.679 | 26.800 | 1.654 |
| S2.39 | 22.681 | 21.529 | 1.003 |
| S2.41 | 28.324 | 26.700 | 1.399 |
| S2.45 | 21.926 | 21.300 | 0.476 |
| S2.46 | 23.725 | 22.986 | 0.589 |
| S3.1 | 29.615 | 28.740 | 0.650 |
| S3.2 | 25.665 | 24.790 | 0.650 |
| S3.4 | 21.283 | 20.408 | 0.650 |
| S3.5 | 20.815 | 19.350 | 1.240 |
| S3.6 | 20.449 | 19.574 | 0.650 |
| S3.8 | 20.330 | 19.280 | 0.825 |
| S3.9 | 20.902 | 18.960 | 1.718 |
| S3.10 | 23.150 | 22.125 | 0.800 |
| S3.11 | 26.823 | 25.798 | 0.800 |
| S3.12 | 29.603 | 28.577 | 0.800 |
| S3.14 | 20.422 | 19.150 | 1.047 |
| S3.15 | 21.066 | 18.760 | 2.156 |

NOTES:

ALL WORKS WILL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE IJSCÉ ÉIREANN (UE) CODE OF PRACTICE (COP) FOR WASTEWATER INFRASTRUCTURE IW-CDS-5030-03 AND UE STANDARD DETAILS IW-CDS-5030-01.

THE CONTRACTOR SHALL ENSURE IRISH WATER CONNECTION DETAILS ARE ADHERED TO. REFER TO STANDARD DETAILS AVAILABLE FROM <https://www.water.ie/connections/developer-services/>

INDIVIDUAL WASTEWATER SERVICE CONNECTIONS TO EACH DWELLING ARE SHOWN INDICATIVELY. FINAL DESIGN WILL BE CONFIRMED WITH M&E DESIGNER AND SHALL BE AS PER STANDARD DETAILS STD-WW-02, STD-WW-03, STD-WW-04 AND STD-WW-05 & 05A.

INDIVIDUAL STORM SEWER CONNECTIONS TO EACH DWELLING ARE SHOWN INDICATIVELY. FINAL LOCATIONS TO BE CONFIRMED WITH M&E DESIGNER.

ALL STORM SERVICE CONNECTIONS TO BE LAID AT MINIMUM 1:80 GRADE.

INSPECTION CHAMBERS SHALL BE IN COMPLIANCE WITH STANDARD DETAILS STD-WW-03 AND STD-WW-13 AND WILL BE LOCATED WITHIN 1.0m OF EACH PROPERTY BOUNDARY.

GRAVITY SEWER PIPE MATERIALS USED SHALL BE IN COMPLIANCE WITH SECTION 3.13 OF THE CODE OF PRACTICE. UNPLASTICISED PVC PIPES AND FITTINGS SHALL BE OF STIFFNESS CLASS OF 8kNm².

PIPE MATERIALS WILL BE UNPLASTICISED PVC (WAVSPEC SN8 OR SIMILAR) FOR THE MAIN SEWERS AS PER SECTION 3.13.3 OF THE CODE OF PRACTICE.

MANHOLES ARE REQUIRED TO CONFORM TO STANDARD DETAILS STD-WW-09, STD-WW-10, STD-WW-11 AND/OR STD-WW-12 AS APPROPRIATE.

SEPARATION DISTANCES OF FOUL SEWERS TO STRUCTURES AND OTHER UTILITIES WILL COMPLY WITH SECTION 3.5 OF THE CODE OF PRACTICE.

REFER TO SECTIONS 3.5.16, 3.5.17 AND 3.5.18 OF THE WASTEWATER CODE OF PRACTICE FOR UNAVOIDABLE SERVICE CROSSINGS.

REFER TO STANDARD DETAILS STD-WW-06, STD-WW-06A AND STD-WW-12A AND SECTION 3.21 OF THE CODE OF PRACTICE FOR PLANTING RESTRICTIONS TO WATER AND WASTE WATER INFRASTRUCTURE. IF REQUIRED, ROOT PROTECTION TO BE ReRoot 2000 OR SIMILAR.

MANHOLE COVERS SHALL BE SET IN POSITION FLUSH WITH FINISHED GROUND SURFACE, WHETHER ROAD, PAVEMENT OR OPEN GROUND.

REFER TO SECTION 3.5.14 OF THE IW COP FOR GUIDANCE ON STAGGERING OF FOUL AND STORM MANHOLES.

ALL STORM SEWER AND FOUL SEWER PIPES TO BE LAID WITH MINIMUM 1200mm COVER TO CROWN OF PIPES IN ROADS AND DRIVEWAYS AND MINIMUM 900mm COVER IN OPEN SPACES & FOOTPATHS NOT ADJACENT TO CARRIAGEWAYS. WHERE IT IS NOT POSSIBLE TO ACHIEVE THESE MINIMUM COVER DEPTHS, PIPES SHALL BE BEDDED AND ENCASED IN CONCRETE 150mm THICK.

AS PER SECTION 3.5.16 OF THE CODE OF PRACTICE, EXTERNAL FACE OF PROPOSED MANHOLE TO BE MINIMUM 0.5m FROM KERB LINE AND EXTERNAL FACE OF SEWERS TO BE A MINIMUM OF 1.0m FROM KERB LINE.

ALL INSPECTION CHAMBERS LOCATED IN TRAFFICKED AREAS SHALL BE D400 RATED.