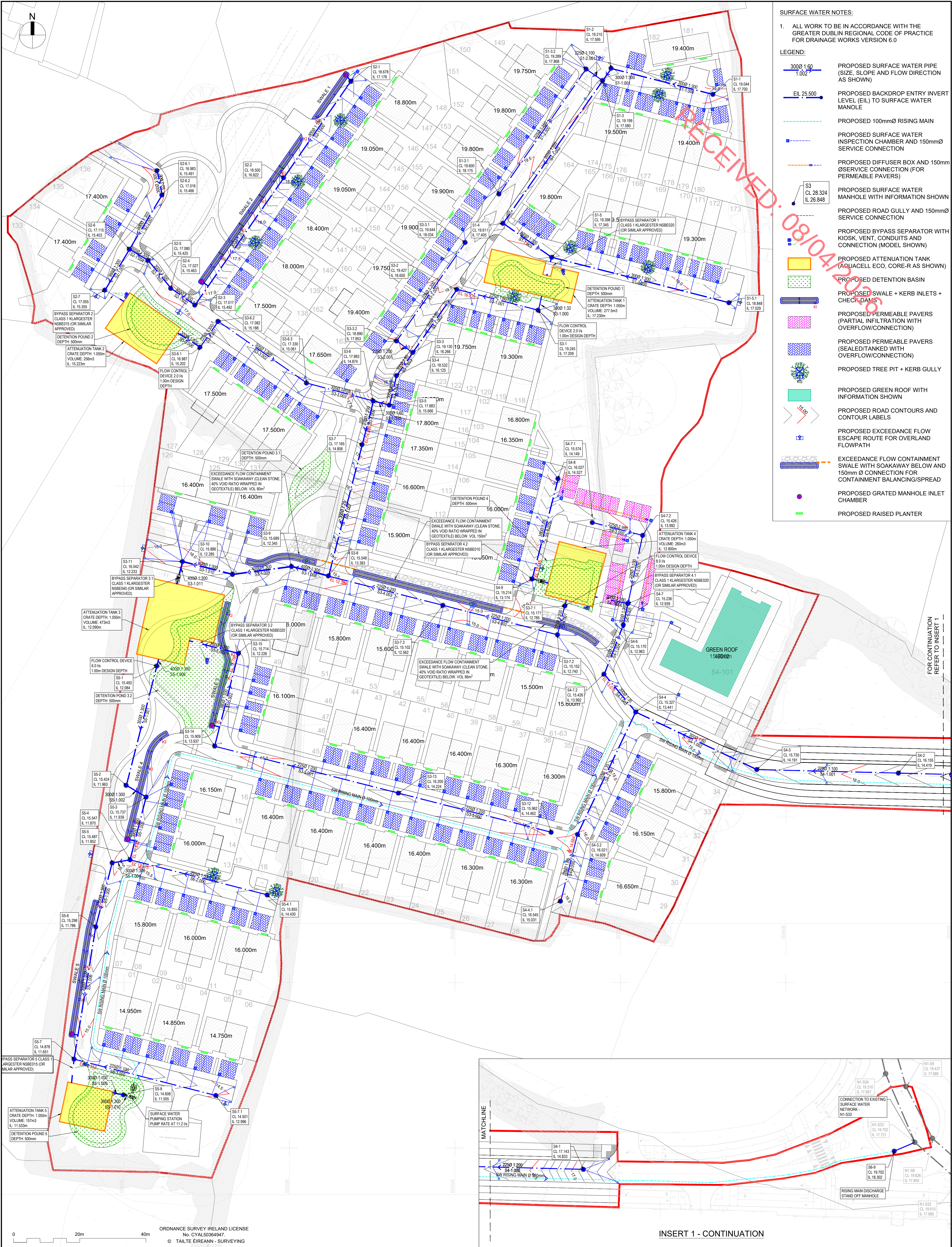




- SURFACE WATER NOTES:**
1. ALL WORK TO BE IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS VERSION 6.0
- LEGEND:**
- 3000 1:60 1:002 PROPOSED SURFACE WATER PIPE (SIZE, SLOPE AND FLOW DIRECTION AS SHOWN)
 - EIL 25.500 PROPOSED BACKDROP ENTRY INVERT LEVEL (EIL) TO SURFACE WATER MANHOLE
 - PROPOSED 100mmØ RISING MAIN
 - PROPOSED SURFACE WATER INSPECTION CHAMBER AND 150mmØ SERVICE CONNECTION
 - PROPOSED DIFFUSER BOX AND 150mmØ SERVICE CONNECTION (FOR PERMEABLE PAVERS)
 - PROPOSED SURFACE WATER MANHOLE WITH INFORMATION SHOWN
 - PROPOSED ROAD GULLY AND 150mmØ SERVICE CONNECTION
 - PROPOSED BYPASS SEPARATOR WITH KIOSK, VENT, CONDUITS AND CONNECTION (MODEL SHOWN)
 - PROPOSED ATTENUATION TANK (AQUACELL ECO, CORE-R AS SHOWN)
 - PROPOSED DETENTION BASIN
 - PROPOSED SWALE + KERB INLETS + CHECK DAMS
 - PROPOSED PERMEABLE PAVERS (PARTIAL INFILTRATION WITH OVERFLOW/CONNECTION)
 - PROPOSED PERMEABLE PAVERS (SEALED/TANKED WITH OVERFLOW/CONNECTION)
 - PROPOSED TREE PIT + KERB GULLY
 - PROPOSED GREEN ROOF WITH INFORMATION SHOWN
 - PROPOSED ROAD CONTOURS AND CONTOUR LABELS
 - PROPOSED EXCEEDANCE FLOW ESCAPE ROUTE FOR OVERLAND FLOWPATH
 - EXCEEDANCE FLOW CONTAINMENT SWALE WITH SOAKAWAY BELOW AND 150mm Ø CONNECTION FOR CONTAINMENT BALANCING/SPREAD
 - PROPOSED GRATED MANHOLE INLET CHAMBER
 - PROPOSED RAISED PLANTER

- GENERAL NOTES:**
- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE TO MALIN HEAD DATUM.
 - ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS. CONTRACTOR TO CHECK ALL DIMENSIONS ON SITE.
 - ALL COORDINATES ARE TO IRISH TRANSVERSE MERCATOR
 - ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.
 - COPYRIGHT OSL.

REV	DATE	DESCRIPTION	BY	CHKD	AUTH
P06	03.04.26	ISSUED FOR PLANNING			
P05	20.03.26	RESPONSE TO STAGE 1 SURFACE WATER AUDIT			
P04	05.03.26	ISSUED FOR STAGE 1 SURFACE WATER AUDIT			
P03	26.02.26	ISSUED FOR INFORMATION			
P02	13.10.25	ISSUED FOR SECTION 32B			
P01	01.10.25	ISSUED FOR INFORMATION			

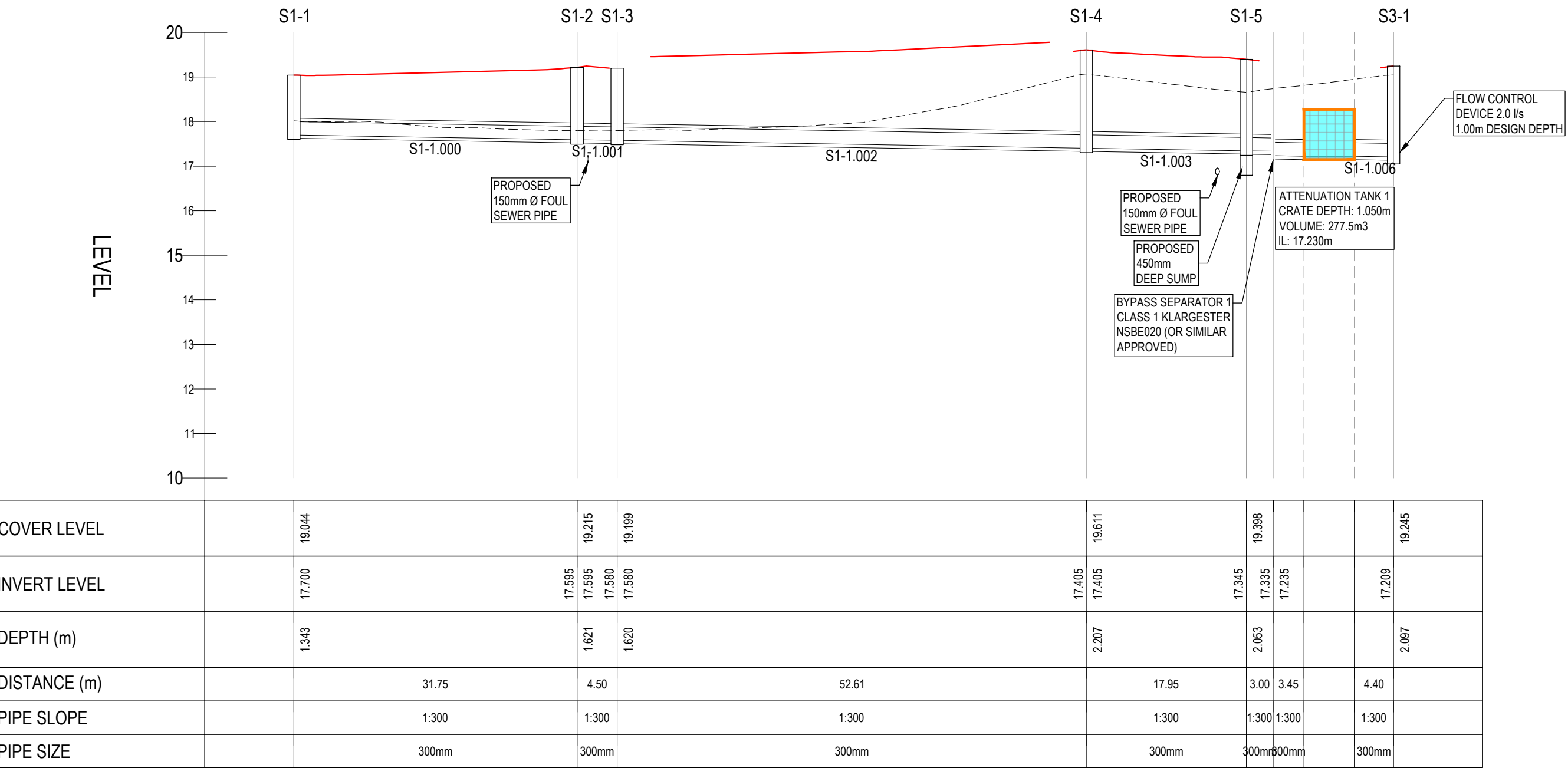


Civil, Structural & Project Engineering Services
Unit 38 Eastgate Drive, Little Island, Cork T45 Y049
Tel: +353 21 4297572

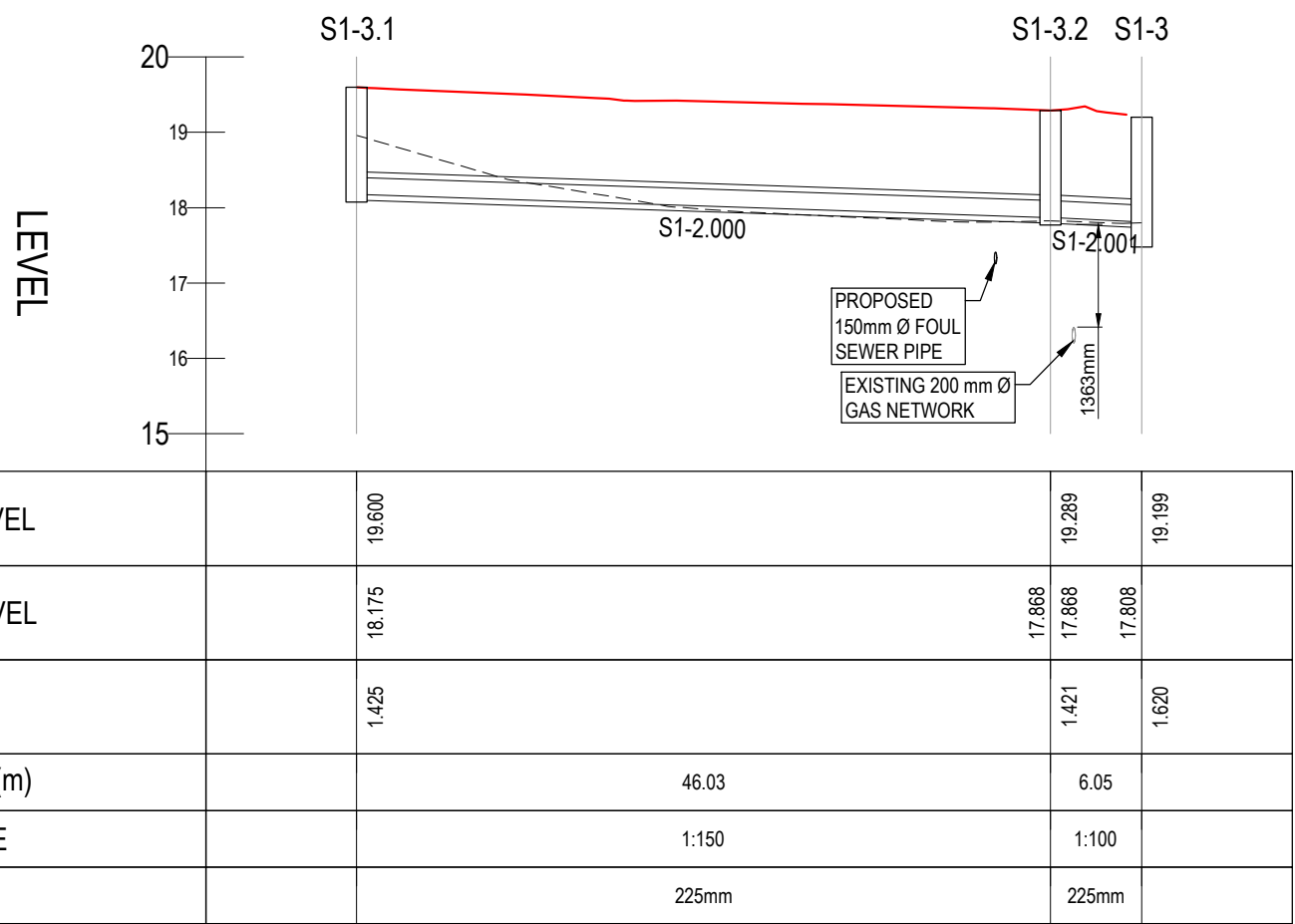


CLIENT	HOMELAND PROJECTS LTD.
PROJECT	LARGE-SCALE RESIDENTIAL DEVELOPMENT AT CAHERANARDISH, LIMERICK COUNTY LIMERICK
PURPOSE	FOR PLANNING

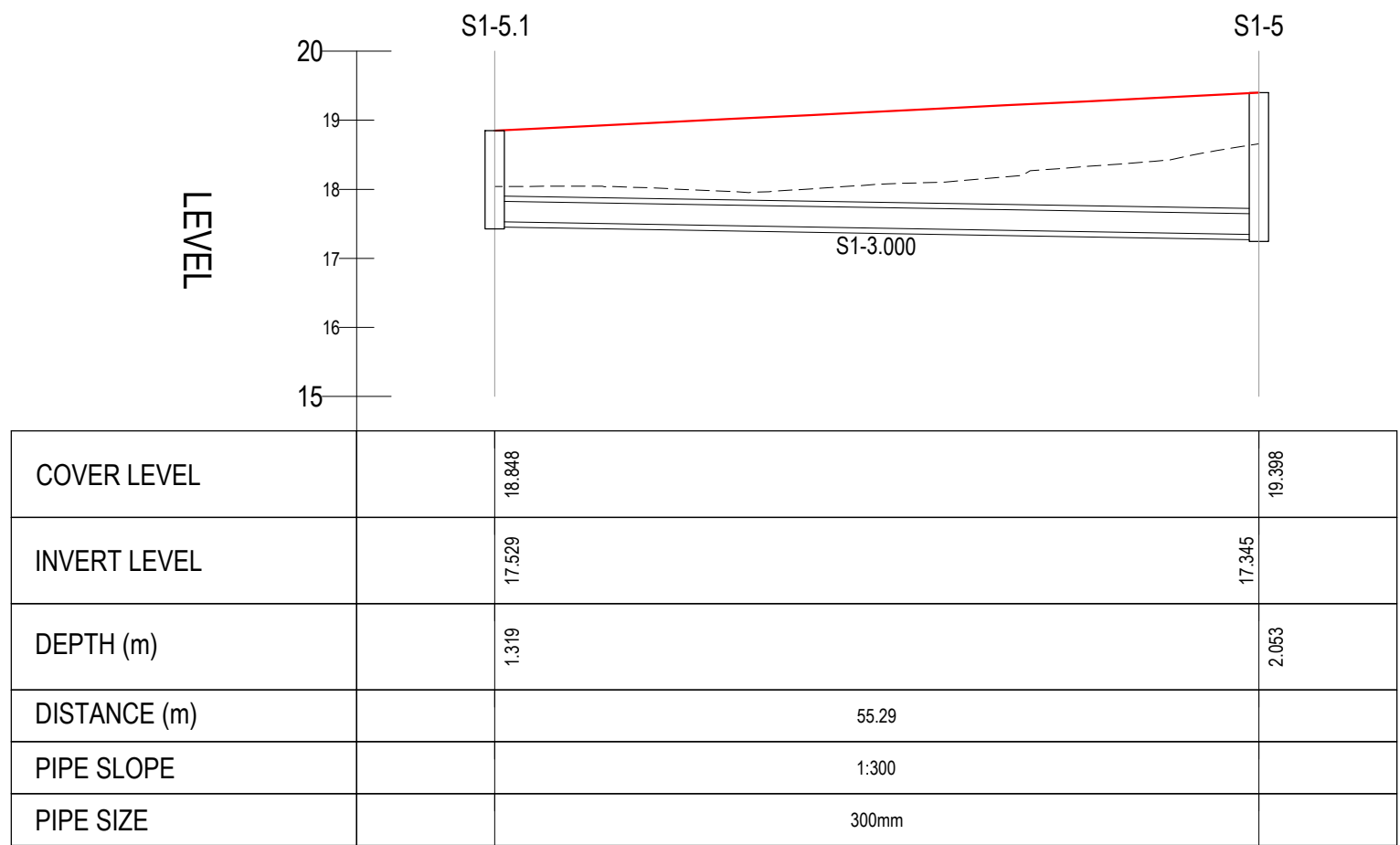
TITLE	PROPOSED SURFACE WATER LAYOUT
ORIGINAL SCALE	A1 - 1:500
ORIGINAL ISSUE DATE	01.10.2025
STATUS	S2
DRAWING NO	24051-OSL-11-DR-C-1120
REV	P06



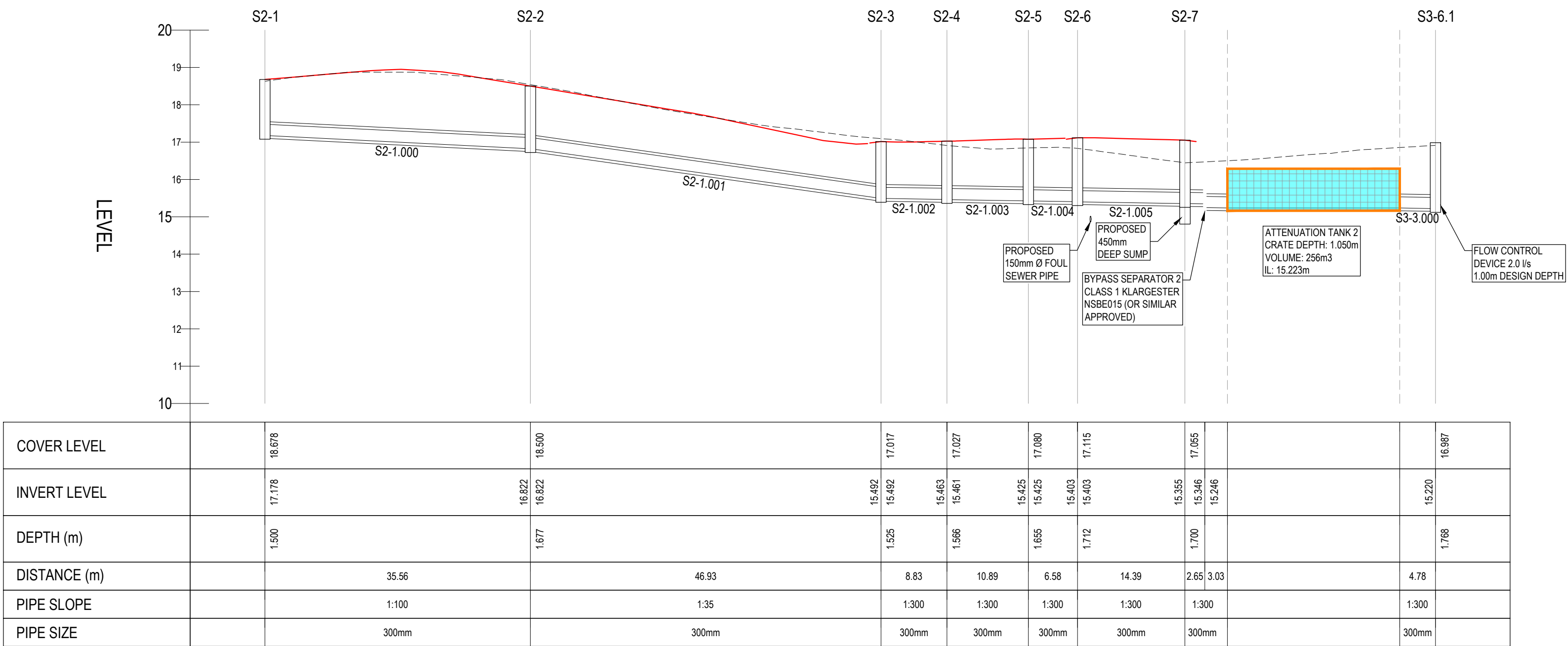
S1-1 - S3-1 LONGITUDINAL SECTION
SCALE: H 1:500,V 1:100. DATUM: 10.000



S1-3.1 - S1-3 LONGITUDINAL SECTION
SCALE: H 1:500,V 1:100. DATUM: 15.000



S1-5.1 - S1-5 LONGITUDINAL SECTION
SCALE: H 1:500,V 1:100. DATUM: 15.000



S2-1 - S3-6.1 LONGITUDINAL SECTION
SCALE: H 1:500,V 1:100. DATUM: 15.000

- GENERAL NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE TO MALIN HEAD DATUM.
 3. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
 4. CONTRACTOR TO CHECK ALL DIMENSIONS ON SITE.
 5. ALL COORDINATES ARE TO IRISH TRANSVERSE MERCATOR
 6. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.
 7. COPYRIGHT OSL.

LEGEND:

— PROPOSED ROAD LEVEL

- - - - - EXISTING GROUND LEVEL

REV	DATE	DESCRIPTION	BY	CHKD	AUTH
P04	03.04.26	ISSUED FOR PLANNING			
P03	05.03.26	ISSUED FOR STAGE 1 SURFACE WATER AUDIT			
P02	13.10.25	ISSUED FOR SECTION 32B			
P01	01.10.25	ISSUED FOR INFORMATION			

OSL-BUTLER
CONSULTING ENGINEERS

Civil, Structural & Project Engineering Services
Unit 38 Eastgate Drive, Little Island, Cork T45 Y049
Tel: +353 21 4297672

CLIENT

HOMELAND PROJECTS LTD.

PROJECT

LARGE-SCALE RESIDENTIAL DEVELOPMENT
AT CAHERANARDISH, LIMERICK
COUNTY LIMERICK

TITLE

PROPOSED SURFACE WATER
LONGITUDINAL SECTIONS
SHEET 1

PURPOSE

FOR PLANNING

ORIGINAL SCALE

A1 - AS SHOWN

ORIGINAL ISSUE DATE

01.10.2025

STATUS	DRAWING NO	REV
S2	24051-OSL-11-DR-C-1121	P04



- CIVIL SERVICES NOTES:
1. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH
 - 1.1. UISCE ÉIREANN CODE OF PRACTICE AND STANDARD DETAILS
 - 1.2. GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS (V6.0)
 - 1.3. INSPECTION CHAMBERS TO COMPLY WITH STD-WW-02 & 03
 - 1.4. FOUL SEWERS PIPES TO CONSIST OF WAVIN WAV SPEC SN8 TO IS EN 13476-2 2007
 - 1.5. TYPE A MULTI LAYER AND WIS 4-35-01 TO COMPLY WITH SECTION 3.13 IW CODE OF PRACTICE
 - 1.6. PIPE BEDDING, HAUNCH SIDE FILL AND SURROUND MATERIAL FOR BURIED PIPELINES SHALL COMPLY WITH WIS 4-08-02 AND ITS ASSOCIATED GUIDANCE NOTE, IGN 4-08-01, UK WATER INDUSTRY SPECIFICATIONS. GRANULAR MATERIAL SHALL BE 14MM TO 5MM GRADED AGGREGATE OR 10MM SINGLE SIZED AGGREGATE, COMPLYING WITH THE REQUIREMENTS OF IS EN 13242, AND SHOULD HAVE A COMPACTION FACTOR VALUE NOT GREATER THAN 0.2 WHEN MEASURED IN ACCORDANCE WITH BS EN 752. SUCH MATERIAL IS GENERALLY REFERRED TO AS TYPE A GRANULAR MATERIAL.

- FOUL SEWER LEGEND:
- 150 Ø 1:60 5.001 PROPOSED FOUL SEWER PIPE Ø 150mm (SIZE, SLOPE AND FLOW DIRECTION AS SHOWN ON LAYOUT)
 - 225 Ø 1:150 5.001 PROPOSED FOUL SEWER PIPE Ø 225mm (SIZE, SLOPE AND FLOW DIRECTION AS SHOWN ON LAYOUT)
 - PROPOSED FOUL SEWER RISING MAIN Ø 100mm (SIZE AND FLOW DIRECTION AS SHOWN ON LAYOUT)
 - EL 25.500 PROPOSED BACKDROP ENTRY INVERT LEVEL (EIL) TO SURFACE WATER MANHOLE
 - F15 CL 24.00 IL 19.39 PROPOSED FOUL SEWER MANHOLE WITH MANHOLE INFORMATION SHOWN
 - EX F1 CL 23.00 IL 18.39 EXISTING FOUL SEWER MANHOLE WITH MANHOLE INFORMATION SHOWN
 - PROPOSED FOUL INSPECTION CHAMBER WITH 100mmØ CONNECTION
 - EXISTING FOUL SEWER NETWORK

- GENERAL NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
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 3. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS. CONTRACTOR TO CHECK ALL DIMENSIONS ON SITE.
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 5. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.
 7. COPYRIGHT OSL.

P05	03.04.26	ISSUED FOR PLANNING	BJM	DB	DB
P04	23.03.26	ISSUED FOR REVIEW	BJM	DB	DB
P03	13.10.25	ISSUED FOR SECTION 328	DV	BJM	DB
P02	03.10.25	ISSUED FOR DESIGN VETTING	DV	BJM	DB
P01	01.10.25	ISSUED FOR INFORMATION	BJM	DB	DB
REV	DATE	DESCRIPTION	BY	CHKD	AUTH



Civil, Structural & Project Engineering Services
Unit 38 Eastgate Drive, Little Island, Cork T45 Y049
Tel: +353 21 4297572



CLIENT	HOMELAND PROJECTS LTD.
PROJECT	LARGE-SCALE RESIDENTIAL DEVELOPMENT AT CAHERANARDISH, LIMERICK COUNTY LIMERICK
PURPOSE	FOR PLANNING

TITLE	PROPOSED FOUL SEWER LAYOUT
ORIGINAL SCALE	A1 - 1:500
ORIGINAL ISSUE DATE	01.10.2025
STATUS	S2
DRAWING NO	24051-OSL-11-DR-C-1130
REV	P05

CONFIRMATION OF FEASIBILITY

David Butler
OSL Butler
38 Eastgate Drive
Little Island
Cork
T45 Y049

13 October 2025

Uisce Éireann
Bosca OP 448
Oifig Sheachadta na
Cathrach Theas
Cathair Chorcaí

Uisce Éireann
PO Box 448
South City
Delivery Office
Cork City

www.water.ie

RECEIVED: 08/04/2025

Our Ref: CDS25006693 Pre-Connection Enquiry Caheranadrish, Mungret, Limerick

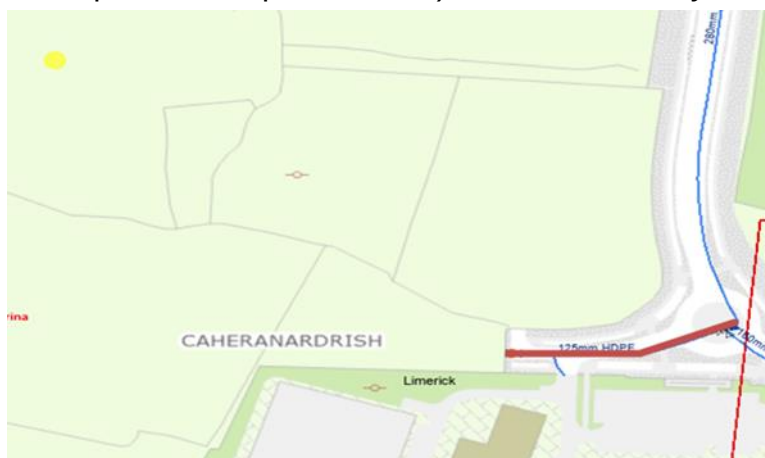
Dear Applicant/Agent,

We have completed the review of the Pre-Connection Enquiry.

Uisce Éireann has reviewed the pre-connection enquiry in relation to a Water & Wastewater connection for a Multi/Mixed Use Development of 201 unit(s) at Caheranadrish, Mungret, Limerick (the **Development**).

Based upon the details provided we can advise the following regarding connecting to the networks;

- **Water Connection** - Feasible Subject to upgrades
- In order to accommodate the proposed connection at the development, upgrade works are required to the existing water network . These upgrade works (approximately 90 metres of upgrade, from 125mm to 200mm, please find photo below) are not currently on Uisce Éireann investment



plan therefore, the applicant will be required to fund these local network upgrades. At connection application stage, the network upgrade requirements will be reviewed, and you will be provided with a quote for these works.

Stiúrtóirí / Directors: Niall Gleeson (POF / CEO), Jerry Grant (Cathaoirleach / Chairperson), Gerard Britchfield, Liz Joyce, Michael Nolan, Patricia King, Eileen Maher, Cathy Mannion, Paul Reid, Michael Walsh.

Oifig Chláraithe / Registered Office: Teach Colvill, 24-26 Sráid Thalbóid, Baile Átha Cliath 1, D01 NP86 / Colvill House, 24-26 Talbot Street, Dublin, Ireland D01NP86

Is cuideachta ghníomhaíochta ainmnithe atá faoi theorainn scaireanna é Uisce Éireann / Uisce Éireann is a designated activity company, limited by shares.

Cláraithe in Éirinn Uimh.: 530363 / Registered in Ireland No.: 530363.

- Feasible without infrastructure upgrade by Uisce Éireann
- **Wastewater Connection**
 - In order to complete the proposed connection, the network will have to be extended by approximately 93 metres from Mungret Road to the Development site. The Developer will be required to fund the extension works. The fee will be calculated at a connection application stage.

This letter does not constitute an offer, in whole or in part, to provide a connection to any Uisce Éireann infrastructure. Before the Development can be connected to our network(s) you must submit a connection application and be granted and sign a connection agreement with Uisce Éireann.

As the network capacity changes constantly, this review is only valid at the time of its completion. As soon as planning permission has been granted for the Development, a completed connection application should be submitted. The connection application is available at www.water.ie/connections/get-connected/

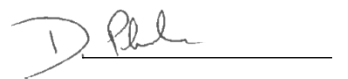
Where can you find more information?

- **Section A** - What is important to know?
- **Section B** - Details of Uisce Éireann's Network(s)

This letter is issued to provide information about the current feasibility of the proposed connection(s) to Uisce Éireann's network(s). This is not a connection offer and capacity in Uisce Éireann's network(s) may only be secured by entering into a connection agreement with Uisce Éireann.

For any further information, visit www.water.ie/connections, email newconnections@water.ie or contact 1800 278 278.

Yours sincerely,



Dermot Phelan
Connections Delivery Manager

Section A - What is important to know?

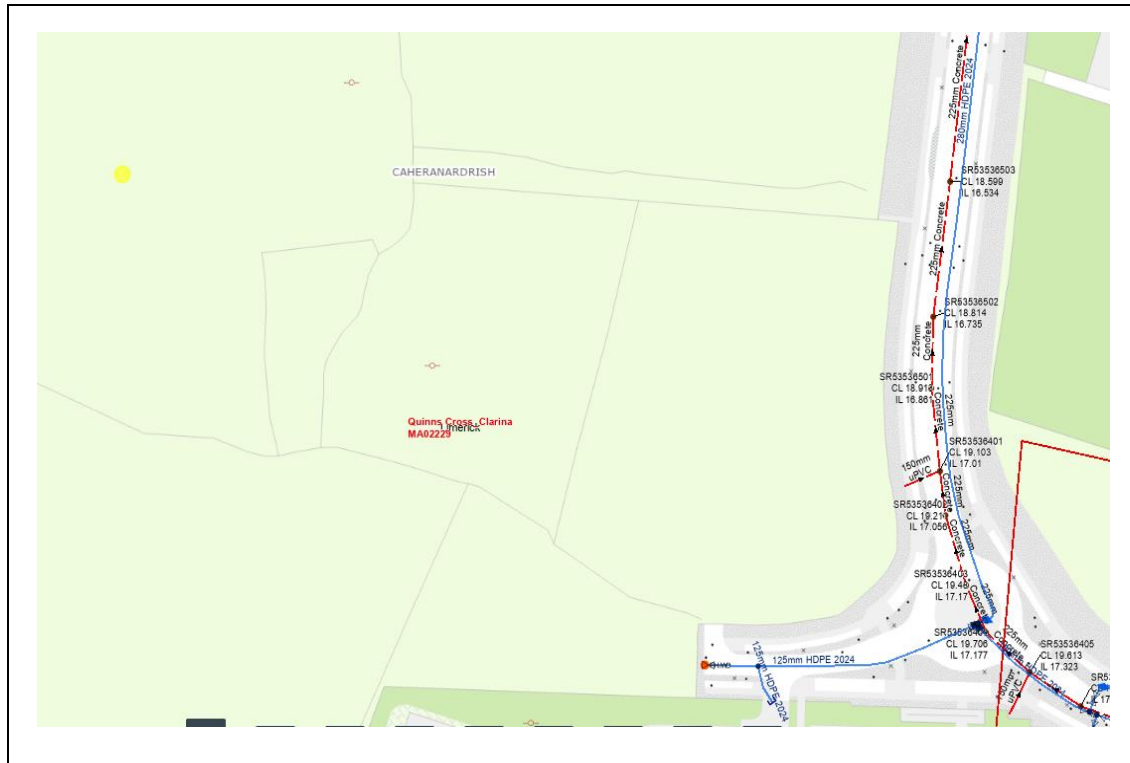
What is important to know?	Why is this important?
Do you need a contract to connect?	• Yes, a contract is required to connect. This letter does not constitute a contract or an offer in whole or in part to provide a connection to Uisce Éireann's network(s). • Before the Development can connect to Uisce Éireann's network(s), you must submit a connection application <u>and be granted and sign</u> a connection agreement with Uisce Éireann.
When should I submit a Connection Application?	• A connection application should only be submitted after planning permission has been granted.
Where can I find information on connection charges?	• Uisce Éireann connection charges can be found at: https://www.water.ie/connections/information/charges/
Who will carry out the connection work?	• All works to Uisce Éireann's network(s), including works in the public space, must be carried out by Uisce Éireann*. *Where a Developer has been granted specific permission and has been issued a connection offer for Self-Lay in the Public Road/Area, they may complete the relevant connection works
Fire flow Requirements	• The Confirmation of Feasibility does not extend to fire flow requirements for the Development. Fire flow requirements are a matter for the Developer to determine. • What to do? - Contact the relevant Local Fire Authority
Plan for disposal of storm water	• The Confirmation of Feasibility does not extend to the management or disposal of storm water or ground waters. • What to do? - Contact the relevant Local Authority to discuss the management or disposal of proposed storm water or ground water discharges.
Where do I find details of Uisce Éireann's network(s)?	• Requests for maps showing Uisce Éireann's network(s) can be submitted to: datarequests@water.ie

What are the design requirements for the connection(s)?	The design and construction of the Water & Wastewater pipes and related infrastructure to be installed in this Development shall comply with <i>the Uisce Éireann Connections and Developer Services Standard Details and Codes of Practice</i>, available at www.water.ie/connections
Trade Effluent Licensing	- Any person discharging trade effluent** to a sewer, must have a Trade Effluent Licence issued pursuant to section 16 of the Local Government (Water Pollution) Act, 1977 (as amended). - More information and an application form for a Trade Effluent License can be found at the following link: https://www.water.ie/business/trade-effluent/about/ **trade effluent is defined in the Local Government (Water Pollution) Act, 1977 (as amended)

Section B – Details of Uisce Éireann's Network(s)

The map included below outlines the current Uisce Éireann infrastructure adjacent the Development: To access Uisce Éireann Maps email

datarequests@water.ie



Reproduced from the Ordnance Survey of Ireland by Permission of the Government. License No. 3-3-34

Note: The information provided on the included maps as to the position of Uisce Éireann's underground network(s) is provided as a general guide only. The information is based on the best available information provided by each Local Authority in Ireland to Uisce Éireann.

Whilst every care has been taken in respect of the information on Uisce Éireann's network(s), Uisce Éireann assumes no responsibility for and gives no guarantees, undertakings or warranties concerning the accuracy, completeness or up to date nature of the information provided, nor does it accept any liability whatsoever arising from or out of any errors or omissions. This information should not be solely relied upon in the event of excavations or any other works being carried out in the vicinity of Uisce Éireann's underground network(s). The onus is on the parties carrying out excavations or any other works to ensure the exact location of Uisce Éireann's underground network(s) is identified prior to excavations or any other works being carried out. Service connection pipes are not generally shown but their presence should be anticipated.