



LEGEND (FOUL SEWER NETWORK)

- PROPOSED SURFACE WATER SEWER: S1.001 150 → S1-0
- PROPOSED FOUL SEWER: F1.001 150 → F1-0
- EXISTING SURFACE WATER SEWER: S1.001 150 → S1-0
- EXISTING FOUL SEWER: F1.001 150 → F1-0
- PROPOSED ATTENUATION TANK: [Symbol]
- PROPOSED GULLY: [Symbol]
- EXISTING GULLY: [Symbol]
- PROPOSED BYPASS SEPARATOR: [Symbol]
- PROPOSED FOUL INSPECTION CHAMBER AND CONNECTION: [Symbol]
- PROPOSED SURFACE WATER MANHOLE AND CONNECTION PIPE: [Symbol]
- PROPOSED LAND DRAIN: [Symbol]
- PROPOSED GREEN ROOF: [Symbol]
- PROPOSED PERMEABLE SURFACING: [Symbol]
- PROPOSED TREE PIT AND CONNECTION PIPE: [Symbol]
- PROPOSED RAIN GARDEN AND CONNECTION PIPE: [Symbol]

- GENERAL NOTES:**
- DO NOT SCALE. ALL DIMENSIONS ON DRAWINGS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE. USE FIGURED DIMENSIONS ONLY.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER WORKS REQUIREMENTS
 - ANY QUERIES OR DISCREPANCIES ARE TO BE REFERRED TO THE EMPLOYER'S REPRESENTATIVE IMMEDIATELY.

- DRAINAGE NOTES**
- IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS TO BE USED FOR SURFACE WATER NETWORK.
 - FOUL & SURFACE WATER SEWERS WILL BE CONSTRUCTED USING THERMOPLASTIC STRUCTURED WALL PIPES IN ACCORDANCE WITH SECTION 3.13 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE
 - CONTRACTOR TO CO-ORDINATE DRAINAGE WITH ALL SERVICES TO ENSURE COMPLIANCE WITH IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAIL STD-W-05
 - REFER TO IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS LIST THAT THE CONTRACTOR MUST ADHERE TO.
 - IN ADDITION A CCTV SURVEY OF THE ENTIRE STORM SEWER SYSTEM WITH 'AS BUILTS' ON DIGITAL FORMAT COMPATIBLE TO LIMERICK CITY & COUNTY COUNCIL'S GIS DATA CAPTURE SYSTEMS INCORPORATING COVER AND INVERT LEVELS SHALL BE PROVIDED AND SHALL BE SUBMITTED TO LIMERICK CITY & COUNTY COUNCIL PRIOR TO THE ESTATE BEING TAKEN IN CHARGE.
 - PHOTOGRAPHS OF THE MANHOLE WHERE THE DISCHARGE CONNECTION WILL BE MADE MUST BE SUBMITTED UPON ITS COMPLETION.
 - THE ATTENUATION IS TO BE WRAPPED IN ROOTGUARD TERRAM OR APPROVED EQUIVALENT TO ENSURE PROTECTION FROM TREE ROOTS
 - WHERE SEPARATION DISTANCES IN ACCORDANCE WITH STANDARD DETAILS STD-W-12A AND STD-11-06A CANNOT BE ACHIEVED, SPECIAL MEASURES IN THE FORM OF ROOT INTRUSION PROTECTION WILL BE PROVIDED

PROPRIETARY PRODUCT NAMES, MANUFACTURER'S NAMES, SUPPLIERS NAMES, NATIONAL STANDARDS

WHERE A SPECIFICATION OR A DESCRIPTION OF A PRODUCT OR ELEMENT OF WORK INCLUDES A SPECIFIC MAKE OR SOURCE SUCH AS A PRODUCT NAME OR MANUFACTURER'S NAME OR A SUPPLIER'S NAME, OR A NATIONAL STANDARD, THE SPECIFICATION OR DESCRIPTION SHALL BE DEEMED TO BE ACCOMPANIED BY THE WORDS "OR EQUIVALENT" NOTWITHSTANDING THAT THOSE EXACT WORDS MAY NOT IN FACT ACCOMPANY THE NAME OR STANDARD. THIS ALSO APPLIES WHERE THE NAME OR STANDARD IS ACCOMPANIED BY OTHER WORDS SUCH AS "OR EQUAL APPROVED" OR SUCHLIKE PHRASES.

Ordnance Survey Ireland Licence No. EN 0003721
© Ordnance Survey Ireland/Government of Ireland

© PUNCH Consulting Engineers
This drawing and any design hereon is the copyright of the Consultants and must not be reproduced without their written consent. All drawings remain the property of the Consultants. Figured dimension only to be taken from this drawing. Consultants to be informed immediately of any discrepancies before work proceeds.

COLOUR DRAWING

bmtrada (3x) **NSAI Certified**

Rev	Amendment	By	Date	Rev	Amendment	By	Date	Client:
PL0	ISSUED FOR PLANNING	CN	2021-09-22					
PL1	LAYOUT UPDATED	CN	2021-09-29					

PUNCH consulting engineers
Dublin | Limerick | Cork | Galway | Glasgow

97 Henry Street, Limerick, V94 YC2H
t+353 61 221 200 | w.punchconsulting.com

Project: **GREENPARK MASTERPLAN**
Title: **DRAINAGE LAYOUT (SHEET 4 OF 4)**

Drawn: C. Nolan	Date drawn: 2021-09-29	Technician Check: C. Nolan	Engineer Check: D. Galley	Approved: D. Galley
Project No: 191325	Model Ref: 191325-PUNCH-XX-XX-M2-C-0103	Drawing Status: PLANNING	Revision No: PL1	
Scale @ A1: 1:500	Disc No: 191325-PUNCH-XX-XX-DR-C-0103			