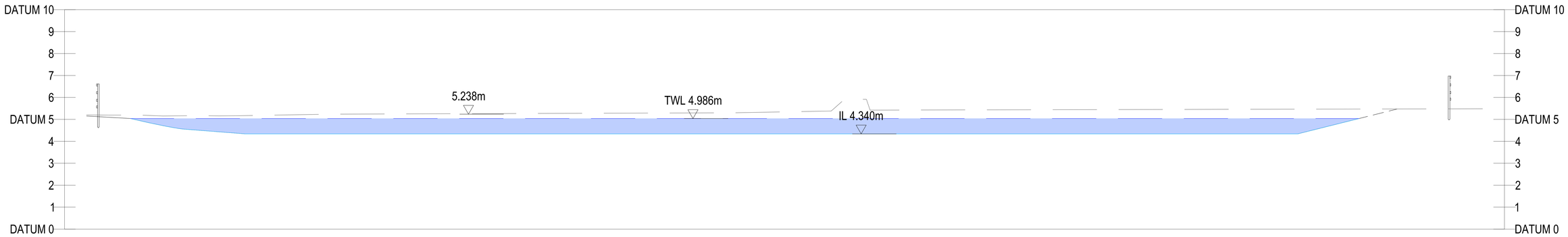
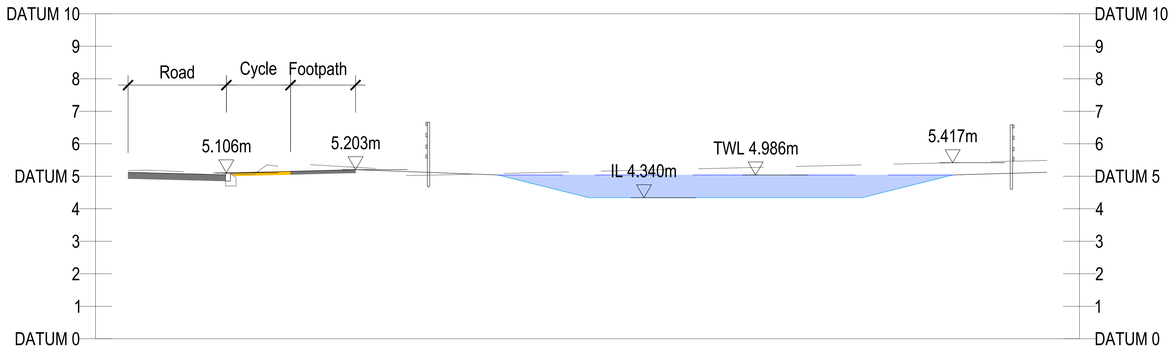


ATTEN 4D SECTION A-A - LONGSECTION
SCALE: 1:200



ATTEN 4D SECTION B-B - LONGSECTION
SCALE: 1:200

ON ORIGINAL

0 5 10 20 30 40 50mm

© COPYRIGHT OF THIS DRAWING IS RESERVED BY DBFL CONSULTING ENGINEERS. NO PART SHALL BE REPRODUCED OR TRANSMITTED WITHOUT THEIR WRITTEN PERMISSION.

NO CHANGES OF WHATSOEVER NATURE ARE TO BE MADE TO ANY DETAILS SET OUT OR CONTAINED IN ANY DBFL SPECIFICATIONS OR DRAWINGS EXCEPT THE EXPRESS CONSENT HAS BEEN OBTAINED IN ADVANCE, IN WRITING, FROM DBFL.

NOTES:

1. ALL DIMENSIONS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES.
2. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF EXISTING DRAINAGE LEVELS AND LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE.
3. ALL DIMENSIONS AND LEVELS ARE IN METERS AND ARE RELATED TO ORDNANCE DATUM. CO-ORDINATES RELATE TO IRISH NATIONAL GRID.
4. ALL FOUL SEWERS, MANHOLES AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
5. ALL FOUL SEWER HOUSE CONNECTIONS TO BE MIN 100mmø UPVC TO IS EN 1401 2009/2012, STIFFNESS CLASS 8KN/M2 IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
6. ALL PUBLIC FOUL SEWERS TO BE MINIMUM 225mm DIAMETER CLASS H CONCRETE TO IS EN 1916 & IS 6 2004 OR UPVC TO IS EN 1401 2009/2012, STIFFNESS CLASS 8KN/M2, MIN. JETTING RESISTANCE OF 180 BAR IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
7. ALL PUBLIC SURFACE WATER SEWERS TO BE MINIMUM 225 DIA. CLASS H CONCRETE TO EN1916 & IS 6 2004 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
8. ALL SURFACE WATER CONNECTIONS TO BE MINIMUM 150mmø UPVC TO IS EN 1401 2009/2012 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
9. LOCATION AND INVERT LEVELS OF EXISTING MANHOLES OR OUTFALL POINTS, WHERE APPLICABLE TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF DRAINAGE WORKS.
10. ALL COVER LEVELS TO MATCH FINISHED ROAD/VERGE/FOOTPATH/CYCLETRACK LEVELS UNLESS OTHERWISE STATED.
11. CONTRACTOR TO INCLUDE FOR CCTV SURVEY OF ALL SEWERS UPON COMPLETION OF SAME.
12. ALL FOUL SEWERS TO BE AIR TESTED IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
13. WHERE COVERS ARE LOCATED IN GRASS AREAS THEY SHALL BE SURROUNDED BY A CONCRETE PLINTH, 300MM ALL ROUND AND 100MM DEEP FORMED WITH C20/25 CONCRETE, 20MM AGGREGATE SIZE, BEDDED IN CLAYEY SOIL MATERIAL.
14. CONTRACTOR TO ENSURE GULLIES ARE PROVIDED AT LOW POINTS.

SERVICES LEGEND

- PROPOSED SITE BOUNDARY
- EXISTING SURFACE WATER SEWER (EX MH CL 99.00 IL 99.00)
- PROPOSED SURFACE WATER SEWER AND MANHOLE (D28 IL 45.64 CL 47.06)
- PROPOSED "BRO" MANHOLE
- PROPOSED GEOCELLULAR ATTENUATION SYSTEM
- PROPOSED STONE INFILTRATION BLANKET WITH PERFORATED CARRIER PIPE
- PROPOSED SWALE
- PROPOSED SWALE WITH PERFORATED PIPE BELOW
- PROPOSED DETENTION BASIN
- PROPOSED RAIN GARDEN
- PROPOSED TREE PIT CONNECTED TO ROAD GULLY TO PROVIDE ATTENUATION AND TREATMENT OF SURFACE WATER RUN OFF
- PROPOSED ROAD GULLY
- PROPOSED PERMEABLE PAVING (PRIVATE)
- PROPOSED PERMEABLE PAVING (MANAGEMENT COMPANY)
- PROPOSED GREEN ROOF
- EXISTING FOUL SEWER (EX MH IL 45.76 CL 47.06)
- PROPOSED FOUL SEWER AND MANHOLE (F2 IL 45.76 CL 47.06)
- PROPOSED LEVELS (99.99)
- FINISHED FLOOR LEVEL (FFL 99.99)
- DRONE SURVEY SPOT LEVEL (99.99)
- BLOCK STEP

ORDNANCE SURVEY IRELAND LICENCE
No EN 0017925
© ORDNANCE SURVEY IRELAND
GOVERNMENT OF IRELAND

rev	date	description	by	chkd
P01	03-10-25	LRD Stage 3 Submission	AAC	BCU

STATUS CODES

purpose: P3 - PLANNING PERMISSION
acceptance: S - ISSUED

DBFL CONSULTING ENGINEERS
T: + 353 1 400 4000 | E: info@dbfl.ie | W: www.dbfl.ie
DUBLIN | CORK | GALWAY | WATERFORD

project ref.: BALLYMASTONE_PHASE 3 LRD

drawing title: ATTENUATION DETAILS SHEET 2

architect: MDO

designed by	author	scale	sheet size
BCU	RT	AS SHOWN	A0

drawing no.: 20003-DBF-XXXX-XX-DR-C01-530022 | revision: P01