ON ORIGINAL

0 5 10 20 30 40 50m

© 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 UNLESS THE EXPRESS CONSENT HAS BEEN OBTAINED IN ADVANCE, IN WRITING, FROM DBFL.

NOTES:

1. ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE, AND ENGINEER INFORMED OF OBSERVATIONS 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 METRES 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 150mmØ UPVC TO BS EN 1401 2008/2012, STIFFNESS CLASS 8kN/m2 IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
6. ALL PUBLIC FOUL SEWERS TO BE MINIMUM 225mm DIAMETER CLASS H CONCRETE TO BS EN 1916 & BS 5264 OR UPVC TO BS EN 1401 2008/2012, STIFFNESS CLASS 8kN/M2, MIN. JETTING RESISTANCE OF 180 BAR IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
7. ALL PUBLIC SURFACE WATER SEWERS UP TO 450mm DIA. TO BE 2kN uPVC TO BS EN 1401 4024 DIA. SEWERS AND ABOVE TO BE CLASS H CONCRETE TO EN1916 & BS 5264 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
8. ALL SURFACE WATER CONNECTIONS TO BE MINIMUM 150mmØ UPVC TO BS EN 1401 2008/2012 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
9. LOCATION AND INVERT LEVELS OF EXISTING MANHOLES ON 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 150MM X 150MM ALL ROUND AND 100MM DEEP FORMED WITH C20/25 CONCRETE, 10MM AGGREGATE BED, BEDDED IN CLAYEY ROI 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 / S 99.00)
- PROPOSED SURFACE WATER SEWER AND MANHOLE (S3 IL 98.00 CL 99.75)
- PROPOSED SIRIO 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 LAND DRAIN
- PROPOSED TREE PIT CONNECTED TO ROAD GULLY TO PROVIDE ATTENUATION AND TREATMANT 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 96.75 CL 97.71)
- PROPOSED FOUL SEWER AND MANHOLE (F2 IL 95.75 CL 97.71)
- PROPOSED LEVELS (99.99)
- FINISHED FLOOR LEVEL (FFL 99.99)
- DRONE SURVEY SPOT LEVEL (99.99)
- BLOCK STEP
- DRAINING TO TREE PIT
- DRAINING TO SWALE
- DRAINING TO SURROUND GREEN AREA
- DRAINING TO RAIN GARDEN

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

STATUS CODES

purpose	acceptance
P3 - PLANNING PERMISSION	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
SUDS LAYOUT

architect
MDO

designed by	author	scale	sheet size
BCU	AC	NTS	A0

drawing no.	revision
20003-DBF-XXXX-XX-SK-C01-139001	P01