



### LEGEND

- SITE BOUNDARY
- EXISTING FOUL WATER SEWER AND MANHOLE
- PROPOSED FOUL WATER SEWER AND MANHOLE
- PROPOSED FOUL WATER INSPECTION CHAMBER
- PROPOSED STORM WATER SEWER AND MANHOLE
- PROPOSED STORM WATER INSPECTION CHAMBER
- PROPOSED STORM WATER CATCHPIT AND MANHOLE. REFER TO G104-CSC-ZZ-XX-DR-C-0018
- PROPOSED LAND DRAIN WITH COLLECTION AJ
- PROPOSED 100mm $\phi$  uPVC PERFORATED DRAIN SET 100mm ABOVE BASE OF PERMEABLE PAVING
- PROPOSED PERMEABLE PAVING
- PROPOSED INTEGRATED TREE PIT
- PROPOSED ATTENUATION TANK
- PROPOSED BIO-RETENTION AREA
- PROPOSED INFILTRATION TRENCH
- PROPOSED INFILTRATION TRENCH IN REAR GARDEN WITH 150mm $\phi$  uPVC PERFORATED PIPE SET OFF BASE WRAPPED IN GEOTEXTILE
- OVERFLOW INSPECTION CHAMBER FROM TREE PITS AND BIO RETENTION AREA TO MAIN SW SEWER
- SW AJ TO RECEIVE WATER FROM RWPS FROM FRONT HALF OF ROOFS AND DISCHARGE TO PERMEABLE PAVING
- KERB INLET GULLY TO BIO RETENTION AREA
- TRADITIONAL PRECAST ROAD GULLY
- INDICATES CONCRETE SURROUND TO PROPOSED SEWERS
- TAKING IN CHARGE

- ### NOTES:
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS.
  - ALL LEVELS ARE IN METRES O.D. MAIN HEAD.
  - THE POSITION AND LEVELS OF EXISTING SERVICES INsofar AS THEY ARE KNOWN AND AS SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE AND MERELY INDICATE THEIR PRESENCE IN THE WORKING AREA. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING SERVICES ON SITE.
  - THE SURVEY INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM A TOPOGRAPHICAL SURVEY UNDERTAKEN BY MURPHY GEOSPATIAL IN MAY 2021, DRAWING REFERENCE: MGL41890\_TJM\_Rev2.
  - FOR DETAILS OF LONGITUDINAL SECTIONS REFER TO DRG. No. G104-CSC-ZZ-XX-DR-C-0010.
  - FOR DETAILS OF MANHOLES REFER TO DRG. No. G104-CSC-ZZ-XX-DR-C-0014 - G104-CSC-ZZ-XX-DR-C-0016.
  - FOR DETAILS OF BEDDING REFER TO DRG. No. G104-CSC-ZZ-XX-DR-C-0015.
  - FOR DETAILS OF BUILDING DRAINAGE CONNECTIONS REFER TO ARCHITECTS AND M+E DRAWINGS
  - ALL PIPEWORK IS 150mm $\phi$  UNLESS OTHERWISE NOTED.
  - WHERE EXCAVATIONS FOR DRAINAGE ENCOACH ON THE BEARING FOR FOUNDATIONS (I.E. PIPE IS BELOW FOUNDATION OR BELOW 45° LINE EXTENDING OUT AND DOWN FROM THE BOTTOM OF THE FOUNDATION), SUCH EXCAVATIONS SHALL BE BACKFILLED IN LEAN MIX CONCRETE TO FORMATION LEVEL OF FOUNDATIONS. NEW FOUNDATIONS WILL BE INSTALLED AT A DEPTH TO SUIT THE PROPOSED NEW DRAINAGE.
  - PIPE BEDDING AND BACKFILL SHALL BE AS PER DRAWING G104-CSC-ZZ-XX-DR-C-0015 WITH CLASS B BEDDING FOR FLEXIBLE PIPE (uPVC AND THERMOPLASTIC STRUCTURED WALL PIPE) AND CLASS B BEDDING FOR RIGID PIPE (CONCRETE). BACKFILLING OF TRENCHES ABOVE PIPE BED AND SURROUND SHALL BE CLASS B BEDDING. WHERE TRENCHES ARE BENEATH AREAS, UNLESS SITUATION IS AS PER NOTE 10 ABOVE, WHERE PIPES ARE Laid UNDER SLABS AND CONCRETE SURFACES, THE TRENCHES SHALL BE BACKFILLED WITH HARDCORE COMPLYING WITH THE REQUIREMENTS OF SR21 AND IS EN 13242.
  - SURFACE WATER SEWERS WITH A DIAMETER OF 150mm AND 225mm SHALL BE uPVC. ALL SURFACE WATER SEWERS WITH A DIAMETER OF 300mm AND GREATER SHALL BE CONCRETE PIPES UNLESS NOTED OTHERWISE. REFER TO LONG SECTIONS FOR SPECIFIED PIPE MATERIAL.
  - WHERE AN UNDERGROUND PIPE IS BUILT INTO A STRUCTURE THERE SHALL BE TWO FLEXIBLE JOINTS ADJACENT TO THE STRUCTURE. THE FIRST SHALL BE NOT MORE THAN ONE PIPE DIAMETER FROM THE OUTSIDE FACE OF THE STRUCTURE. THE LENGTH OF THE NEXT PIPE (ROCKER PIPE) SHALL NOT EXCEED 750mm FOR PIPES UP TO 450mm.
  - SETTING OUT OF ALL SVP'S AND RWP'S TO ARCHITECTS DETAILS.
  - DRAINAGE TO LANDSCAPED AND NON CARRIAGEWAY PAVED AREAS BY LANDSCAPE ARCHITECTS.
  - ALL MANHOLES TO BE SET OUT ON SITE AND CO-ORDINATED WITH PROPOSED AND EXISTING SERVICES PRIOR TO CONSTRUCTION.
  - COVER LEVEL TO BE CO-ORDINATED WITH PROPOSED LANDSCAPING LEVELS.
  - ALL MANHOLE COVERS IN TRAFFICED AREAS TO BE A MINIMUM OF CLASS D400 SOLID TOP COVERS. RECESSED COVERS TO BE PROVIDED IN PAVED LANDSCAPED AREAS.



PROPOSED DRAINAGE  
SCALE 1:250

**CONSTRUCTION DRAWING**  
THIS DRAWING MUST BE READ IN ACCORDANCE WITH ALL SPECIFICATIONS AND RELEVANT DRAWINGS.

- ### NOTES
- For setting out refer to Architect's drawings.
  - This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
  - DO NOT SCALE THIS DRAWING. Use figured dimensions only.
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| Rev. No. | Date       | REVISION NOTE   | Dim. By | Chkd. By |
|----------|------------|---|---------|----------|
| C1       | 23.09.2022 | ISSUED FOR CONSTRUCTION                                       | SC      | NB       |
| C2       | 22.11.2022 | REVISED TO SHOW SEPARATION DISTANCES FOR IRISH WATER RESPONSE | DO      | OS       |
| C3       | 23.11.2022 | FFL'S UPDATED   | SC      | NB       |
| C4       | 14.12.2022 | TAKING IN CHARGE AREA IN BLUE ADDED                           | JS      | OS       |

Client: GREENWALK DEVELOPMENTS LTD  
Project: PROPOSED RESIDENTIAL DEVELOPMENT AT GORDON PARK  
Title: Proposed Drainage Sheet 2 of 2  
Dwg No: G104-CSC-ZZ-XX-DR-C-0005  
Date: AUG 2022  
Dim By: SC  
Chkd By: FDB  
Apprd By: NB  
Scale: 1:250 @ A1  
Revision: C4

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