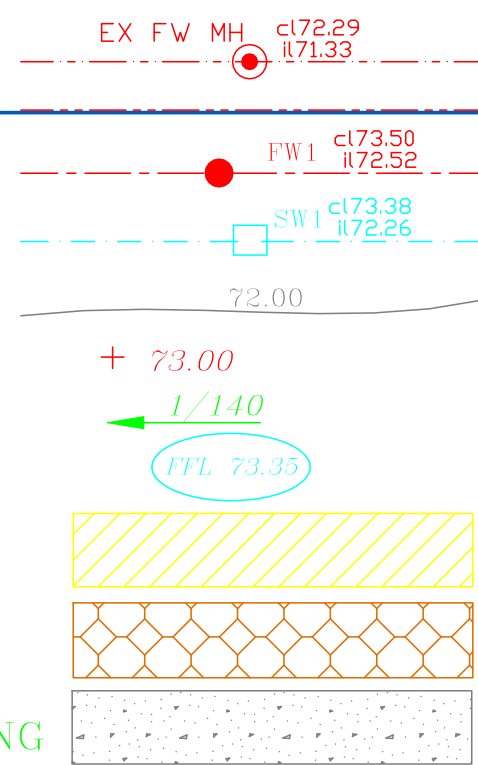


- LEGEND:**
- EX GRAVITY FOUL SEWER
  - DIVERTED FW PIPE
  - PROPOSED FOUL SEWER
  - PROPOSED S.W SEWER
  - CONTOUR LEVEL
  - PROPOSED ROAD LEVEL
  - PROPOSED ROAD GRADIENT
  - PROPOSED FINISH FLOOR LV
  - WAYLEAVE
  - POROUS PAVING
  - GRAVEL SURFACE/POROUS PAVING



**DRAINAGE**

**RAINWATER GOODS - ABOVE GROUND**

150mm gutters - uPVC Money Angle MC3 and fittings or similar metric sealed patent joints with brackets @ 900mm c/c. Downpipes - uPVC Money Angle MC3 25mm pipe. Fittings or similar approved. Brackets and backplates @ max. of 2m c/c. Rainwater should discharge into a drain or gully using a 75mm standard downpipe in uPVC or similar approved type.

**BUILDING DRAINAGE GOODS - BELOW GROUND**

Armstrong junctions, gully traps, rainwater outlets, pipes, to be uPVC except as stated. All pipes to be under floor to be 100mm diam. with 150mm concrete surround. All 100mm diam. pipes below ground to have concrete bed & haunch. All 150mm & 225mm diam. pipes set to required falls.

**DRAINAGE - ABOVE GROUND**

All points of discharge into the system to have appropriate water seal (trap) with system vented to prevent water seal from being broken. Branch pipes to discharge into 100mm stacks ventilated to space or height of 900mm above any opening into building within 3m plan radius. Branch pipes offset to avoid creosote, with lowest branch 400mm above invert or bend. Ground floor water closet (wc) should discharge directly to a drain if the drop is less than 1.5m. Rooding points should be provided to give access to the system.

**DRAINAGE - BELOW GROUND**

All pipes should be laid with a minimum cover of 1.2m below roads & driveways, 0.9m below open spaces & footpaths not adjacent to verges and 0.6m below gardens, where it is not possible to achieve these minimum covers, pipes shall be bedded and surrounded to a minimum 150mm brick.

Note: Ancillary services such as drainage etc should be bridged with precast metal over, such services should be banded over & water with 150mm concrete surround, where these services pass through the bridged area a flexible joint of 25mm should be provided.

(NOTE: IT IS THE DEVELOPER'S RESPONSIBILITY TO ENSURE ALL WORKS COMPLY WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS)

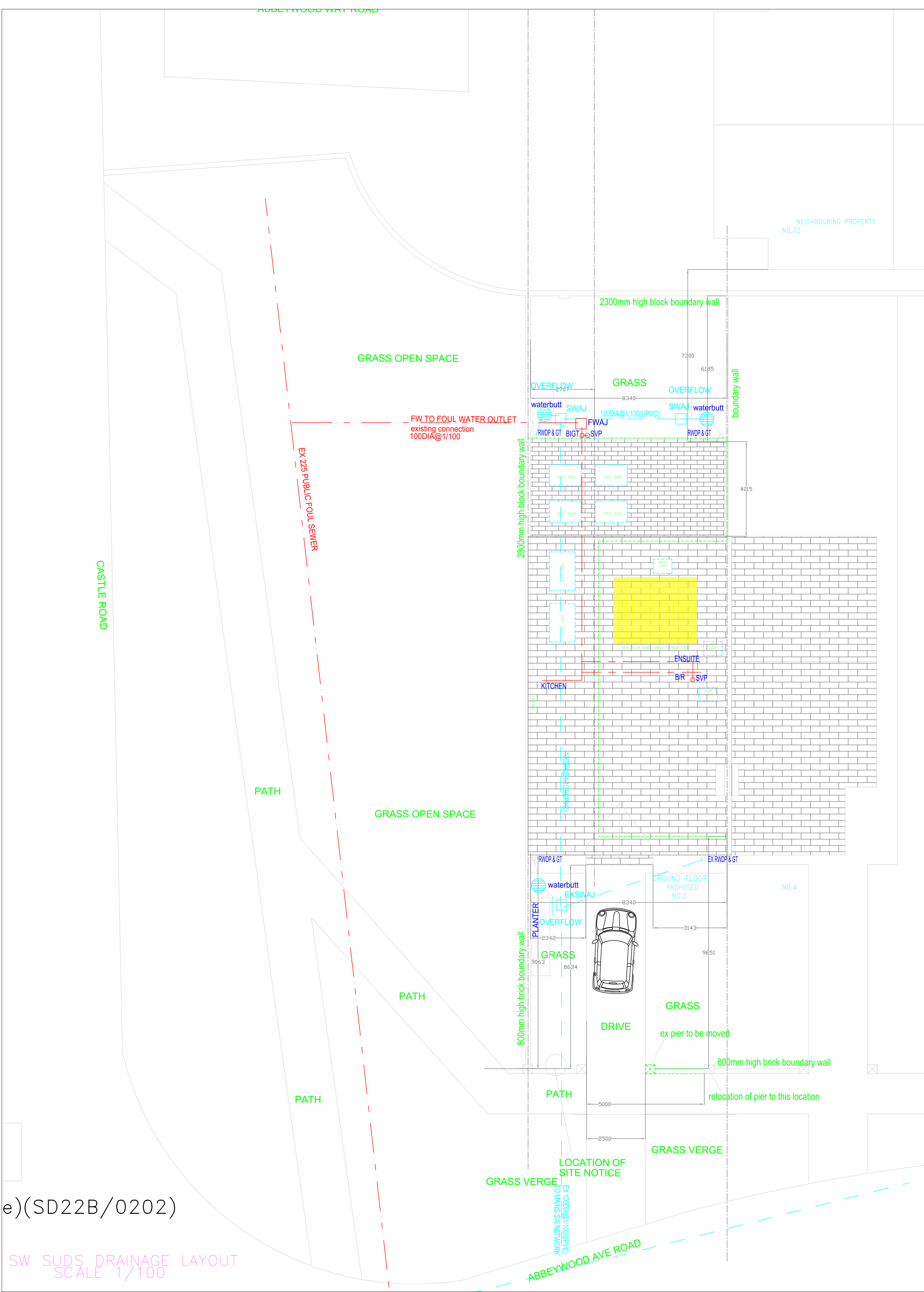
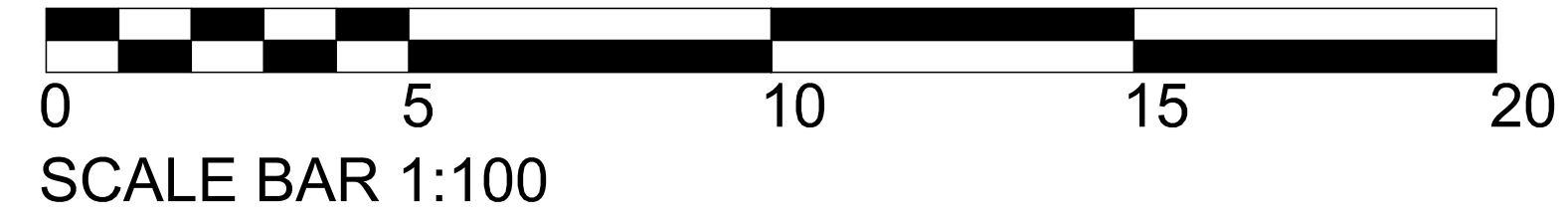
**GENERAL**

All work to be in accordance with 2009 Building Regulations and subsequent amendments.

- NOTES:**
1. DO NOT SCALE FROM DRAWINGS. USE FIGURED DIMENSIONS ONLY.
  2. ALL DIMENSIONS TO BE CHECKED ON SITE.
  3. ALL SETTING-OUT DIMENSIONS TO BE CHECKED AGAINST ARCHITECTS PLANS.
  4. TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, SPECIFICATIONS ETC.
  5. ANY DISCREPANCIES IN DIMENSIONS OR SPECIFICATIONS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEERS/ARCHITECTS/PROJECT MANAGER.
  6. ALL STRUCTURAL DETAILS TO BE CONFIRMED BY ENGINEER.
  7. MATERIALS, FIXINGS & ALL ELEMENTS OF BUILDING WORKS TO COMPLY WITH CURRENT EUROCODES & BUILDING REGULATIONS 2014 & SUBSEQUENT AMENDMENTS.
  8. ANY DEVIATION FROM SPECIFICATION TO BE AGREED WITH PRODUCT ENGINEER PRIOR TO USAGE.
  9. ALL ELEMENTS OF EXISTING BUILDING RELATING TO NEW BUILD TO BE EXPOSED FOR INSPECTION & CLARIFICATION BY ENGINEER/ARCHITECT PRIOR TO CONSTRUCTION.
  10. INSULATION D.P.C. D.P.M. VENTILATION AIRTIGHTNESS, FINISHES, & FLASHINGS TO BE CONFIRMED BY ARCHITECT.
  11. LINE SETTING OUT BY OTHERS.
  12. ARCHITECTURAL SPECIFICATION BY OTHERS.
  13. USE 25N CONCRETE UNLESS OTHERWISE SPECIFIED.
  14. FOR STEEL FIXING & SPECIFICATION USE RC DRAWINGS.

**CONDITION INFORMATION**

COMPLIANCE For condition 3(a),(b),(c),(d),(e)(SD22B/0202)

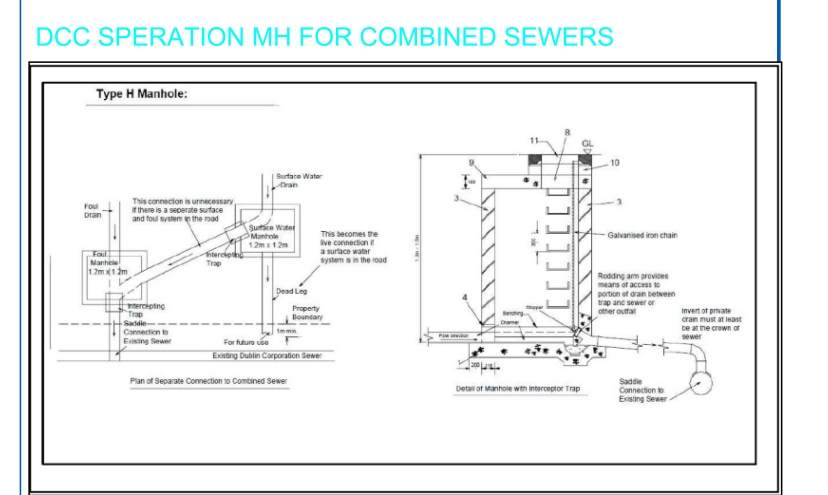


SW SUDS DRAINAGE LAYOUT SCALE 1/100

**Notes:**

1. THE COPYRIGHT OF THIS DRAWING IS VESTED IN GKES AND IT MAY NOT BE REPRODUCED IN WHOLE OR PART OR USED FOR THE MANUFACTURE OF ANY ARTICLE WITHOUT THE EXPRESS PERMISSION OF THE COPYRIGHT HOLDERS.
2. WORK TO FIGURED DIMENSIONS ONLY.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SERVICE ENGINEERS AND GKES DRAWINGS & SPECIFICATIONS.

- DRAINAGE NOTES:**
1. All pipes 150mm diameter and below to be uP.V.C.
  2. All pipes 225mm diameter and above to be concrete s/s.
  3. Provide separate 100mm diameter foul and surface water connection for each house.
  4. Road gully connections to be 150mm diameter concrete s/s.
  5. Provide concrete surround to pipes where cover is less than 1.2m in roads and 0.9m in grassed areas.
  6. Falls in house drains to be 1/80 unless otherwise stated.
  7. This drawing to be read in conjunction with relevant standard details.
  8. All Public foul & surface water sewers to be 225 dia. unless otherwise stated.
  9. All external surface water & foul house drains to be 150. dia. unless otherwise stated.
  10. All Invert & Cover Levels to be confirmed on site.



- FURTHER NOTE:**
1. All ancillary service & product providers to be carried out and installed as per manufacturers details, specification and requirements, it is the Builders responsibility to install all proprietary products as per manufacturers recommendations.
  2. The bulkup of materials shown attached are compliant but the installation should be carried out in accordance with manufacturers requirements.

**SUPPLEMENTARY INFORMATION CLIENT & CONTRACTOR**

1. Information provided under the new BUILDING CONTROL (AMENDMENT) REGULATIONS 2014 & Safety, Health and Welfare at Work (Construction) Act, S.I. No. 102 of 2014, H.S.A Regulations 2013 to be made aware by parties involved prior to construction.
2. This drawing should not be issued or used to or by other parties with out the consent of the publisher, it is to be used solely for what is described in the status bar below and nothing else.
3. Works pursuant to the category of exempted developments should be confirmed by suitable persons or Local Authority prior to undertaking of such works.
4. All paperwork pertaining to works to be in place and in order prior to commencement of works on site and prior to persons carrying out works.

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| C |  |  |  |
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SDC C

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|-------------------------------|-------------|-----|-------|
| REV.                          | DESCRIPTION | BY: | DATE: |
| STATUS: <b>For Compliance</b> |             |     |       |

**GKES**

CIVIL STRUCTURAL CAD  
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ARCHITECT: **GK**

|  |              |           |          |
|--|--------------|-----------|----------|
| SITE: <b>2 Abbeywood Avenue Lucan, Co Dublin</b> |              |           |          |
| TITLE: <b>DRAINAGE LAYOUT</b>                    |              |           |          |
| SCALE AT A1:                                     | DATE:        | DRAWN:    | CHECKED: |
| As Shown   | 10/07/21     | GK        | GK       |
| PROJECT NO.:                                     | DRAWING NO.: | REVISION: |          |
| GK2022-33  | C-01         |           |          |