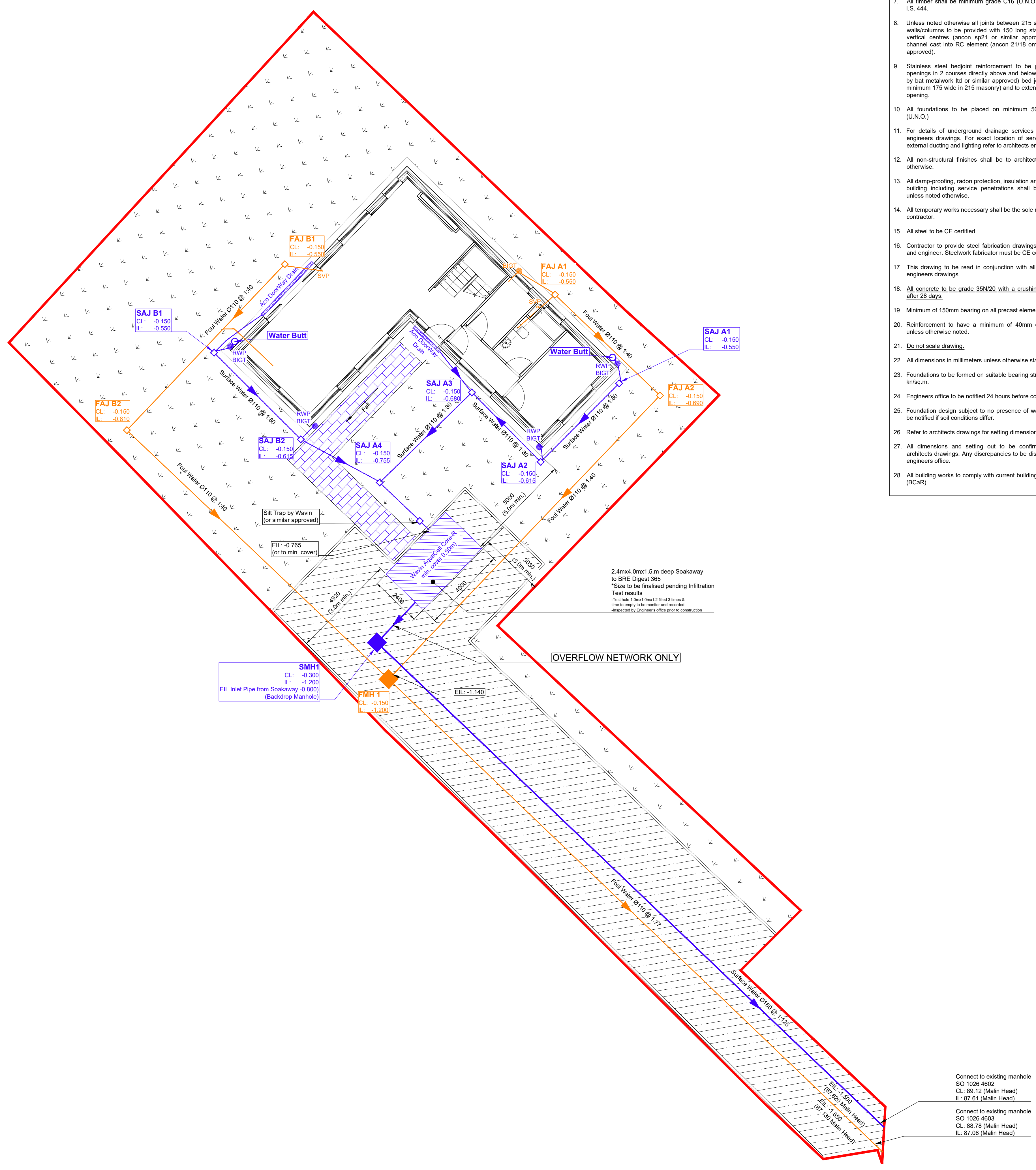


**Drainage Legend:**

- Proposed Surface Water
- Proposed Foul Water
- Site Boundary
- Proposed Gravel Road (See details)
- Proposed Permeable Paving (By Architect)

- Notes:**
1. All dimensions to be checked on site. Engineer to be informed immediately of any discrepancies before work proceeds.
  2. Existing foundations are subject to site inspection.
  3. All structural steelwork to be grade S355 U.N.O. and shall comply with the requirements of Eurocode 3. All bolts Grade 8.8.
  4. The contractor must ensure that the location of all masonry control joints is confirmed by the architect and the engineer prior to commencement of the works.
  5. All blockwork to be dense solid blockwork with a minimum compressive strength of 5N/mm<sup>2</sup> u.n.o. and shall comply with the requirements of IS 325.
  6. All blockwork is shown indicatively. Refer to architects drawings for blockwork details including exact setting out.
  7. All timber shall be minimum grade C16 (U.N.O.) and shall comply with I.S. 444.
  8. Unless noted otherwise all joints between 215 solid blockwork and RC walls/columns to be provided with 150 long stainless steel ties at 450 vertical centres (ancon sp21 or similar approved). Ties to slot into channel cast into RC element (ancon 21/18 omega channel or similar approved).
  9. Stainless steel bed joint reinforcement to be provided to all window openings in 2 courses directly above and below the opening (brickforce by bat metalwork ltd or similar approved) bed joint reinforcement to be minimum 175 wide in 215 masonry and to extend minimum 600 past the opening.
  10. All foundations to be placed on minimum 50mm lean mix blinding (U.N.O.)
  11. For details of underground drainage services refer to architects' and engineers drawings. For exact location of services, service openings, external ducting and lighting refer to architects engineers drawings.
  12. All non-structural finishes shall be to architects details unless noted otherwise.
  13. All damp-proofing, radon protection, insulation and fireproofing of building including service penetrations shall be to architect's details unless noted otherwise.
  14. All temporary works necessary shall be the sole responsibility of the contractor.
  15. All steel to be CE certified
  16. Contractor to provide steel fabrication drawings for review by architect and engineer. Steelwork fabricator must be CE certified
  17. This drawing to be read in conjunction with all relevant architects and engineers drawings.
  18. All concrete to be grade 35N/20 with a crushing strength of 35N/mm<sup>2</sup> after 28 days.
  19. Minimum of 150mm bearing on all precast elements.
  20. Reinforcement to have a minimum of 40mm clear cover of concrete unless otherwise noted.
  21. Do not scale drawing.
  22. All dimensions in millimeters unless otherwise stated.
  23. Foundations to be formed on suitable bearing strata with capacity of 100 kN/sq.m.
  24. Engineers office to be notified 24 hours before concrete pour.
  25. Foundation design subject to no presence of water. Engineers office to be notified if soil conditions differ.
  26. Refer to architects drawings for setting dimensions and finishing details.
  27. All dimensions and setting out to be confirmed and checked with architects drawings. Any discrepancies to be disclosed to architects and engineers office.
  28. All building works to comply with current building control and regulations (BCaR).



**Proposed Drainage Layout**  
Scale 1:100

|      |             |       |   |                                   |  |             |        |          |        |
|------|-------------|-------|---|-----------------------------------|--|-------------|--------|----------|--------|
| Rev. | Description | Date: | Client:   | Suitability Status:               | Structural Home Design Consultant Engineers            |             |        |          |        |
| A    | Planning    | 08.21 | Richard & Eliana Quinn  | <b>P1 - Suitable for Planning</b> | Nutgrove Enterprise Park, Rathfarnham, Dublin 14       |             |        |          |        |
|      |             |       | Job Title:  | Originator:                       | Drawn by:  | Checked by: | Scale: | Date:    | Sheet: |
|      |             |       | Proposed Dwelling at Kilakee Green, Firhouse, D.24              | SOS                               | SOS  | BK          | 1:50   | 11.08.21 | A1     |
|      |             |       | Drawing Title:  | Dwg No:                           | Rev:   |             |        |          |        |
|      |             |       | Proposed Drainage Layout  | 20A224-SHD-00-XX-DR-C-0001        | A  |             |        |          |        |
|      |             |       | PROJECT - ORIGINATOR - VOLUME - LOCATION - TYPE - ROLE - NUMBER |                                   | email: info@SHDeng.ie www.SHDeng.ie<br>Tel: 01-4309469 |             |        |          |        |

