



**GROUND FLOOR PLAN - PROPOSED FOUL AND SURFACE WATER DRAINAGE LAYOUT**

Terence Kirwan Project Management Consultancy  
 12 Wealey Lawns  
 Sandyford  
 Dublin 16  
 D18X294  
 email:terence.kirwan@gmail.com  
 Phone: 066 8126307

Do not scale from drawing.  
 All dimensions in millimeters  
 unless otherwise stated.  
 Any inconsistencies should  
 be reported to the Engineer  
 for clarification immediately

**General Notes:**

1. Read in conjunction with Architects Drawings
2. Setting out, DPC's, DPM, Radon Barriers, Insulation etc. refer to Architects Drawings.
3. All concrete below Ground Floor level to be grade 35N20 to BS8110
4. All reinforcing bars and mesh to be High Yield Steel i.e. fy = 460N/mm, type 2 deformed to BS. 4449
5. 500mm minimum laps to bars, 300mm laps to mesh
6. Foundation excavations must be inspected by Engineer prior to pouring. Contractor must contact Engineer two working days in advance
7. All temporary works are the full responsibility of the Main Contractor
8. Concrete bearing pads / padstones are to be grade 35N20 to BS. 8110
9. Concrete grade to be 35N20 UNO.
10. All structural timber to be grade C24
11. Double joists to be provided under stud partitions
12. Double / treble bolted joists to be bolted together with 16mm coach bolts & toothed plate connectors at 600mm centres
13. All blockwork material to be in accordance the recommendations of EN. 771
14. All blockwork adjoining existing blockwork and concrete to be connected with Abbey slot starter kits
15. Blockwork to steel interfaces to be connected with proprietary system ties, fixed to steel with self tapping screws

**FOUNDATION NOTES**

1. Ground water must be removed before pouring. If heavily present, 50mm of lean mix is to be used.
2. 75mm bottom cover to be provided to reinforcement using concrete spacers to support reinforcement
3. Assume formation level of 1.1 metres below ground Floor level unless otherwise noted.
4. All loose material to be removed from excavation before pouring.
5. For underpinning: The underside of the existing foundation must be brushed clear of all loose debris
6. Underpinning concrete must be poured a minimum of 100mm above the underside of the existing footings
7. All structural concrete to be poker vibrated to remove all voids

**STRUCTURAL STEEL NOTES**

1. All steelwork to be shot blasted to S.A. 2 and primed with Zinc Phosphate Primer to a D.F.T. of 75 microns
2. All steel to be S275
3. All cap and base plates to be 15mm thick UNO
4. All bolts to be M.16 Grade 8.8 to BS. 5950
5. All welds to be 6mm fillet shop welded
6. All Steel to have 1 Hour Fire Rating

**REVISION:**

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Terence Kirwan B.Sc. (Hons) M.I.E.I. Project Management Consultancy	
Project:	Proposed Extension at 18 St. Marys Avenue Rathfarnham Dublin 14
Title:	Proposed foul and surface drainage layout to new side extension
Drawn by:	T. KIRWAN
Scale:	1 - 75
Date:	31 / 07 / 2023
	Drawing No. 18 - 23 - 10