

NOTES

- GENERAL NOTES:**
- This drawing is to be read in conjunction with all relevant architect's and structural engineer's drawings and the specifications.
 - All site particulars, dimensions and levels of existing structure to be checked on site with the drawings by the contractor and any discrepancies reported to the engineer prior to commencement of any work.
 - The Contractor shall be responsible for the and detailing of the temporary works.
 - All proprietary fixings to be installed in accordance with the manufacturer's recommendations.
 - All work is to be carried out in accordance with current edition of the building regulations and to the satisfaction of the local authority building control prior to start work on site. Any work done without building control approval is at contractor risk.
 - All Excavations for Foundations are subject to inspection and approval by the Building Control Officer prior to casting of concrete.
 - All setting out, DPM, fire protection, tanking & waterproofing to Architects details.
- FOUNDATION NOTES:**
- All mass concrete footings are to be central on walls unless noted otherwise, for setting out of walls refer to architects layouts.
 - Foundations have been designed for a safe G.B.P. of 120kN/m² to natural clay. All excavations to be inspected by engineer/building control officer on site before placing concrete.
 - All steelwork below ground level to be cast in min 100mm thick C30 concrete with a min cement content of 270kg/m³ and W/C ratio max 0.5
- CONCRETE NOTES:**
- Concrete mix is to be minimum required for BS8110 and BRE special digest 1:2005 to suit SI report (DS-1, DC-1 ACEC class AC-1s)
- Concrete grades to be as follows -
Concrete blinding & mass concrete fill - C20 (180kg/m³)
Buried mass concrete (mass bases & strips footings) - C30 (275kg/m³)
RC Slab - C35 (330kg/m³)
Max. water cement ratio of 0.55
Dry pack to 1:2 Cement Sand Mix.
 - 50mm mass concrete blinding required to u/s of all in-situ R.C. foundations only.
 - Cover to reinforcement shall be 50mm unless noted otherwise.
 - All walls to be set out in accordance with architects drawings
 - Contractor to ensure all adjacent services, buildings and site are not undermined by the works.
- MASONRY**
- Blockwork to have 7.0 N/mm² crushing strength and grade (iii) mortar to BS 5628, 215 deep, 100 wide blocks.
 - Brick-work to have 20 N/mm² crushing strength (water absorption less than 12%) and grade (iii) mortar to BS5628
 - All mortar below ground level to be grade (ii) to BS5628
 - Movement Joint Locations To Be Agreed with Architect

FOUNDATIONS HAVE BEEN DESIGNED FOR A SAFE G.B.P. OF 120kN/m², NATURAL CLAY. ALL EXCAVATIONS TO BE INSPECTED BY ENGINEER/BUILDING CONTROL OFFICER ON SITE BEFORE PLACING CONCRETE.

MASS CONCRETE BASE SCHEDULE

Type A= 1.20m x 1.20m x 0.60m deep mass concrete base central to the column

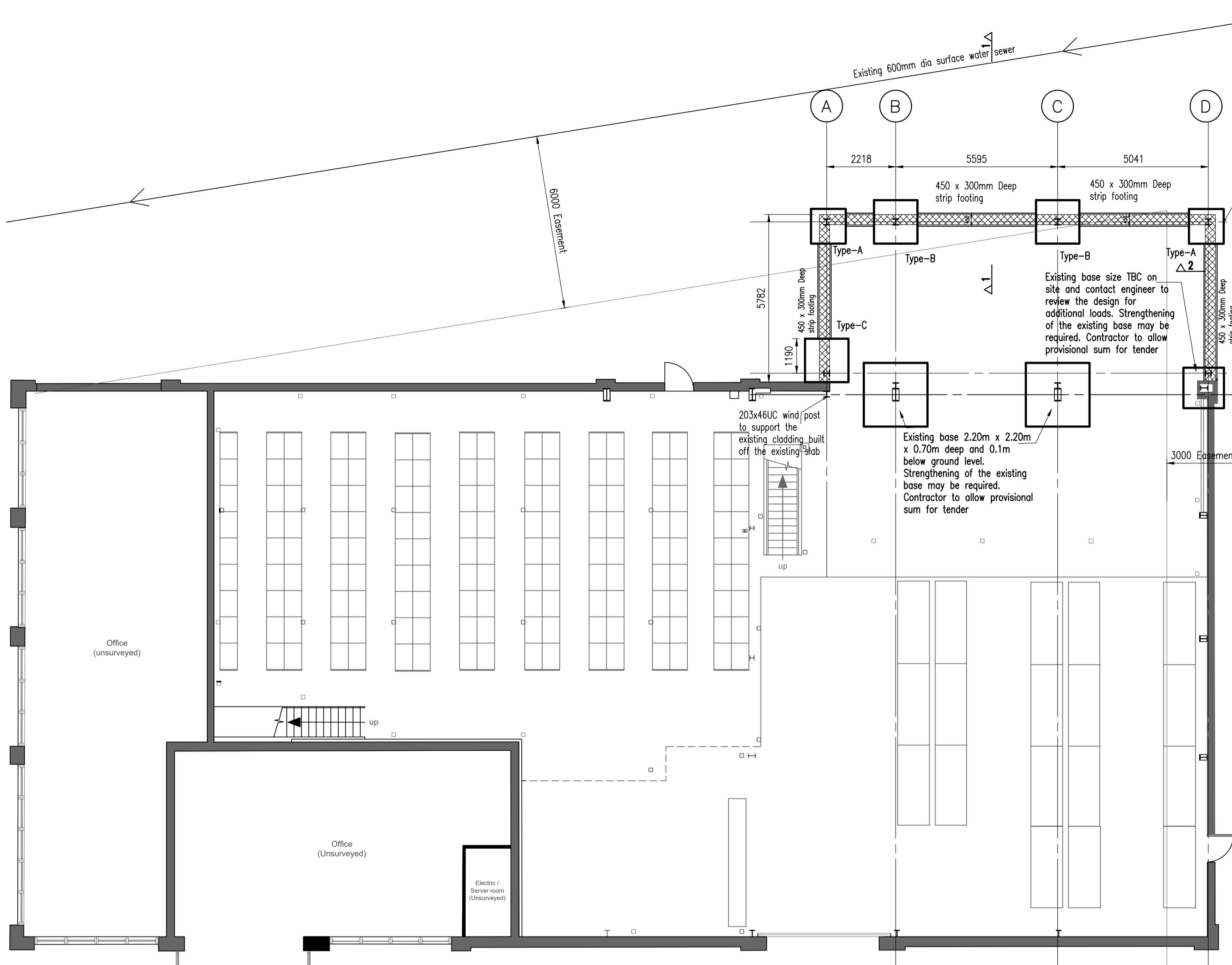
Type B= 1.50m x 1.50m x 0.750m deep mass concrete base central to the column

Type C= 1.50m x 1.50m x 0.75m deep mass concrete base eccentric to the column

Bottom of all foundations to be onto the natural clay 0.90m to 1.30m below existing ground level

All mass concrete pad central to the column (UNO) & 450mm below FFL

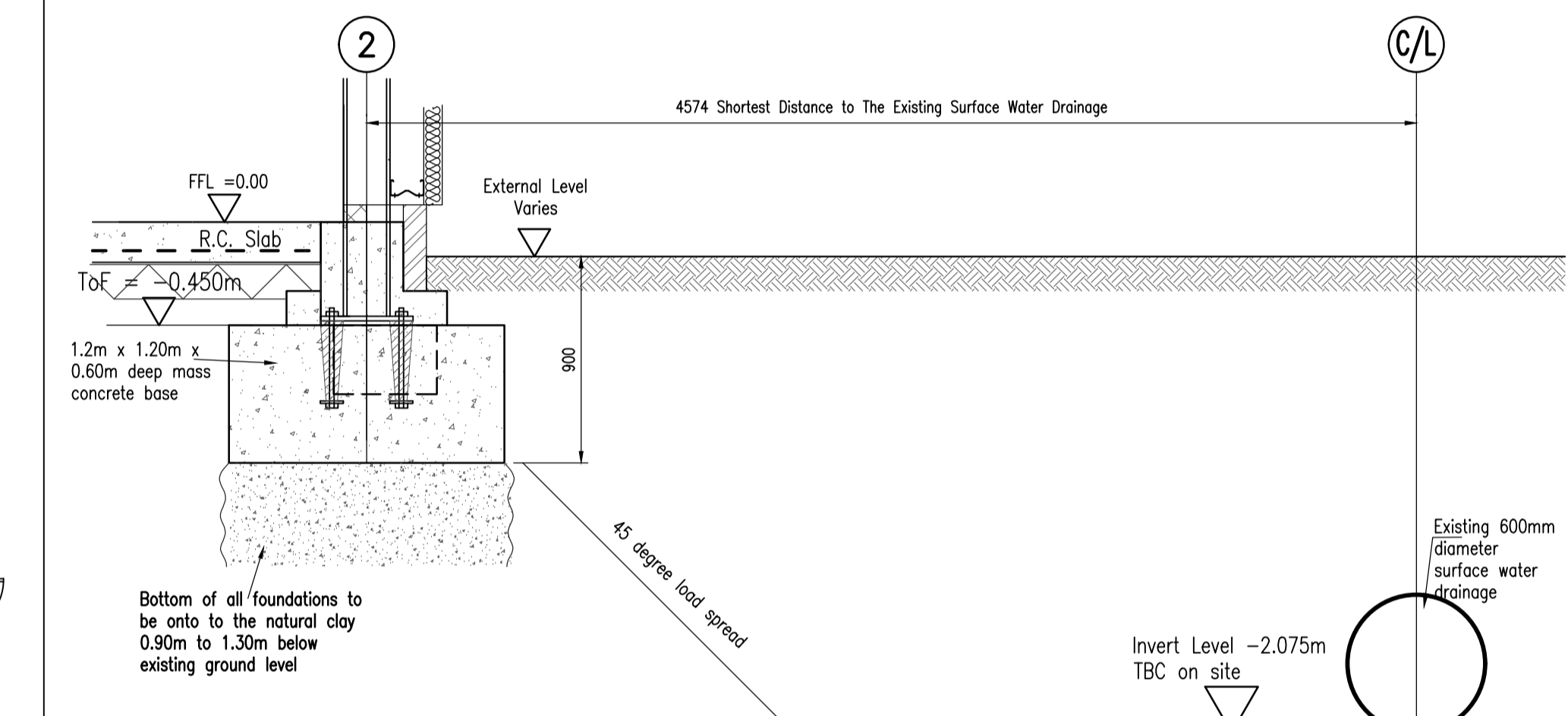
Mass concrete strip central to the masonry wall



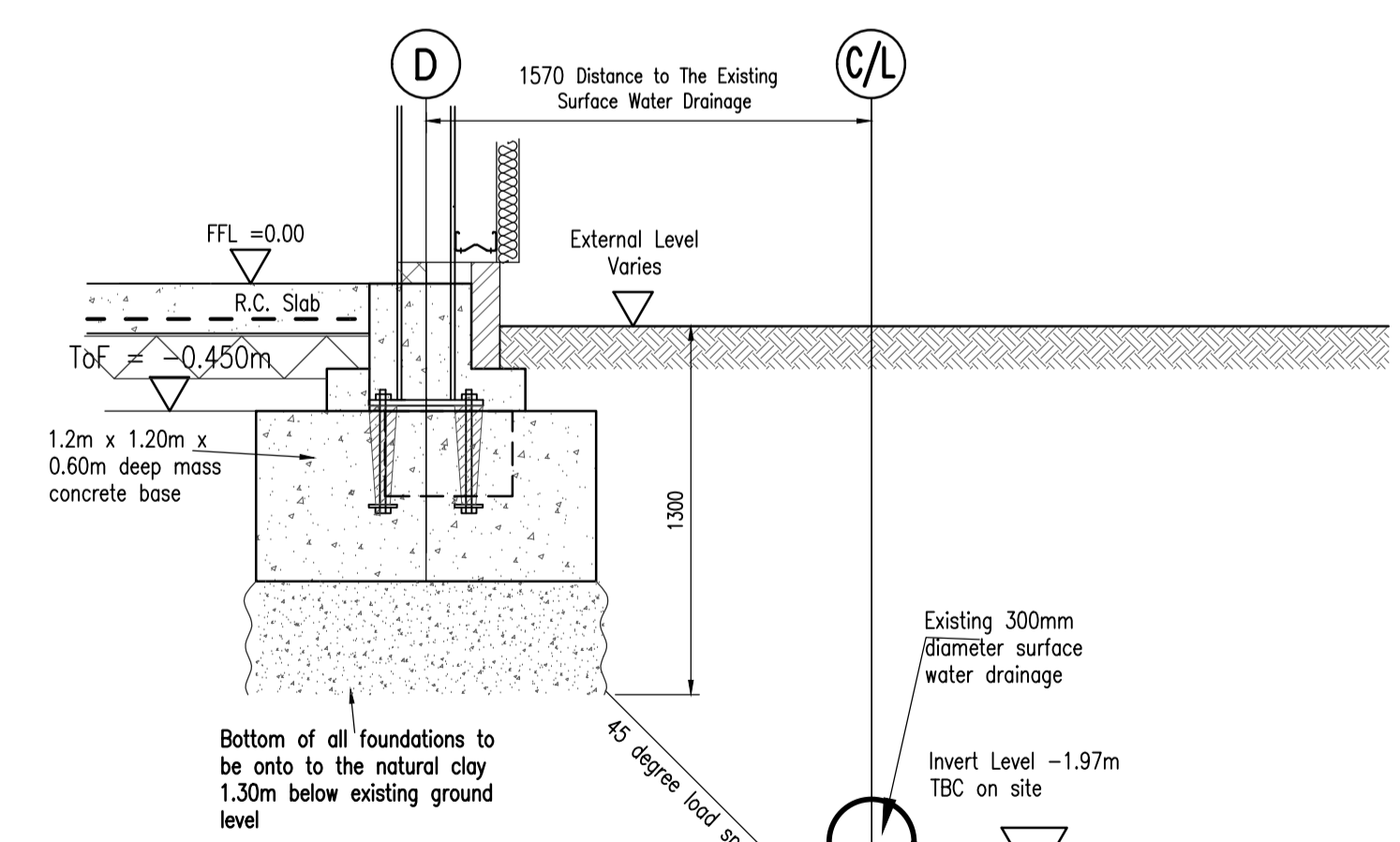
The bottom of the mass concrete base must be below the invert level of the existing surface water sewer near grid line D

Existing base size TBC on site and contact engineer to review the design for additional loads. Strengthening of the existing base may be required. Contractor to allow provisional sum for tender

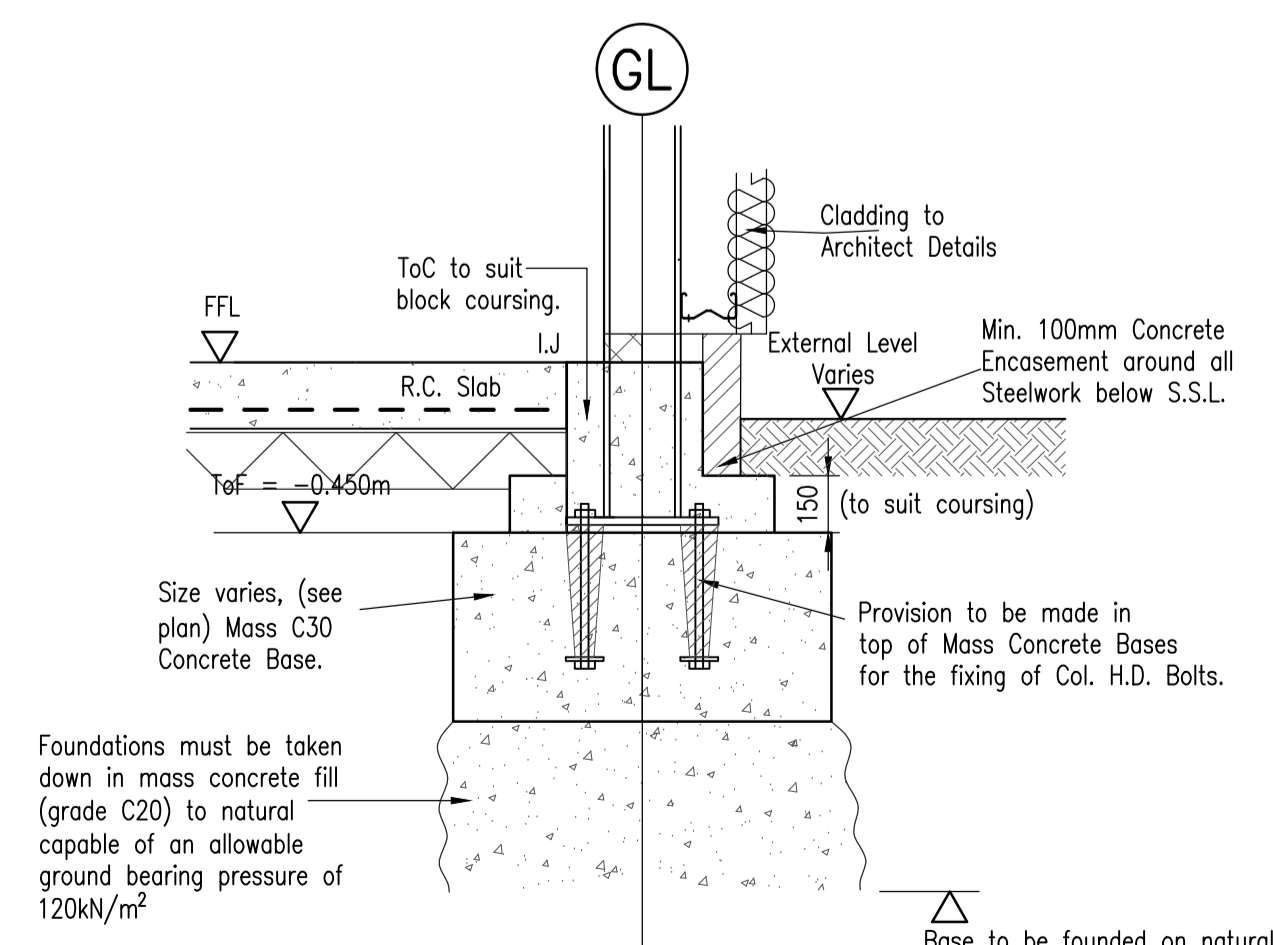
Existing base 2.20m x 2.20m x 0.70m deep and 0.1m below ground level. Strengthening of the existing base may be required. Contractor to allow provisional sum for tender



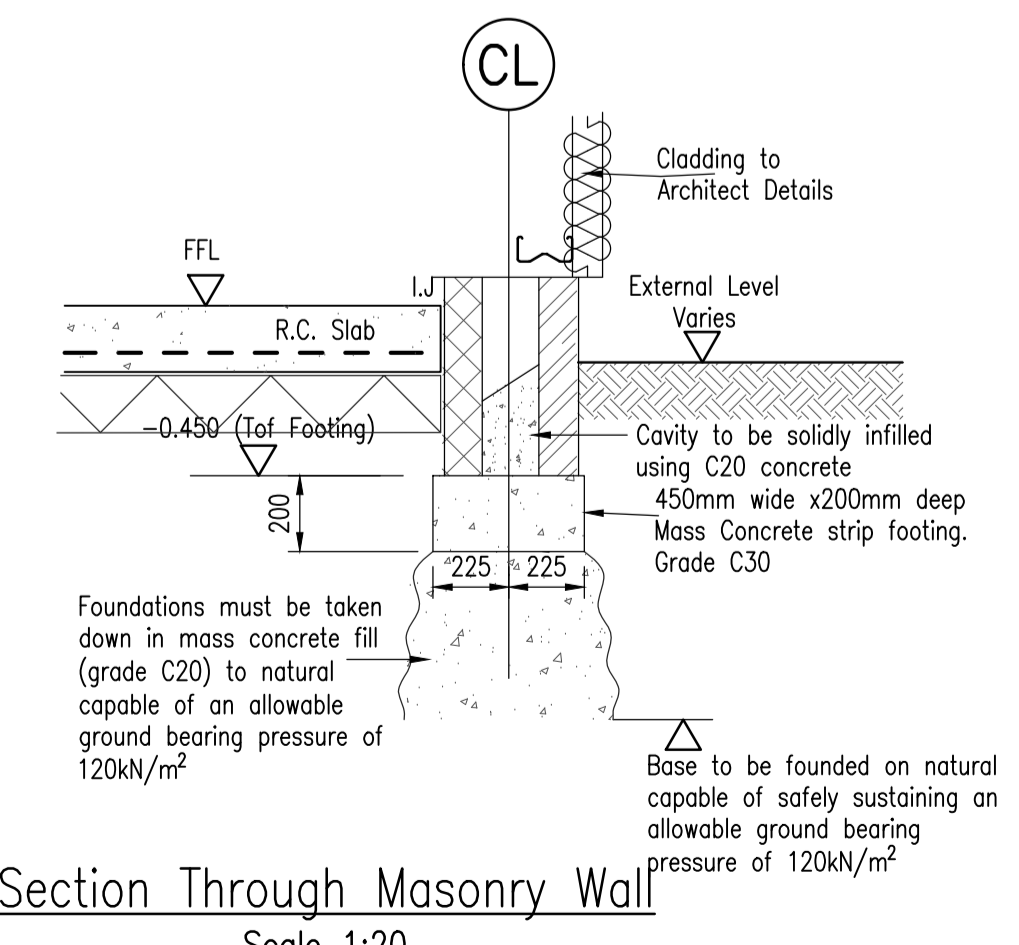
Section (1-1) Through Foundation Existing Drainage



Section (2-2) Through Foundation & Existing Drainage



Section Through Stanchion Mass Concrete Base Scale 1:20



Section Through Masonry Wall Scale 1:20

Tender

Rev	Date	Description	By	Chk	App
B	24.11.24	Revised to suit Arch Comments	MAC	ATH	ATH
A	21.10.24	Tender issue	MAC	ATH	ATH
P1	01.10.24	1st issue	MAC	ATH	ATH

KRYPTON STRUCTURES
CIVIL & STRUCTURAL ENGINEERS

KEIGHLEY OFFICE
SHERATON SUITE, SUNDERLAND ENTERPRISE CENTRE,
SUNDERLAND STREET, KEIGHLEY, BD21 5LE

HARROGATE OFFICE
HAMMERMAN HOUSE, HOOKSTONE AVENUE, HARROGATE, HG2 8ER

TEL: 01535 558914 | 0778824848
EMAIL: INFO@KRYPTONSTRUCTURE.COM
VIST: WWW.KRYPTONSTRUCTURE.COM

CLIENT
HS Components Ltd

PROJECT
Shawcross House, Horace Waller VC Parade

TITLE
Foundation GA & Details

SCALE	DRAWING SIZE	DRAWN
As Shown @ A1	A1	MAC

DRAWING No.	REV.
KS507/F01	B