

B3354 Winchester Road

Block Z - Ground Floor - Commercial Units / First Floor - Plots 1-9

Retaining Wall Notes

- Dimensions must not be scaled from this drawing.
- This drawings must be read in conjunction with the Architect's and Civil Engineering drawings for latest details and level requirements and for setting out.
- Foundations have been designed using the following information:
 - Ground Investigation Report: Desk study & ground investigation report reference G6523 By Geo-Environmental.
 - Soil conditions: Clays over sands at depth typically >2.0m. The Clay soil is defined as having HGH shrinkage potential.
 - A safe bearing pressure of 125kN/m² for natural virgin material.
- The depths of the foundations shall conform to whichever of the following criteria generates the greater depth:-
 - To a min. 1000mm (depending on wall type) below the existing ground levels
 - To a min. 1000mm (depending upon wall type) below the new ground levels
 - To any specific depths as shown on The Engineer's drawings.
 - To a min 500 mm below any tree roots exposed during excavations, where founded in shrinkable material.
- Foundations adjacent to pipe runs or manholes are to have their formation level set above the invert level no higher than the equivalent of the horizontal distance between the pipe/excavation trench and the foundation, minus 500 mm.
- A minimum of 500mm into undisturbed natural ground.

Any existing foundations encountered are to be grubbed out locally at new foundation positions, to 300mm below the depth of the existing formation level, and the new foundation formation level is to be at this depth, with stepping to adjoining foundations accordingly.

5. All excavations shall be kept free from water, loose material and rubbish etc. The formation level shall not be exposed until the day of the concrete pour.

6. Foundation and wall stem concrete to be mix FND2, C28/35 to BS 8500 & BS 206-1 and classes DS-2, AC-2 & DC-2 in accordance with BRE Special Digest No 1; Part 1. Concrete test samples shall be provided in accordance with the requirements of BS EN 12350-1 from both the supplier and on site to verify.

7. The structure is designed to be stable upon completion allowing for a maximum 0.3m loss of cover to the lower side. Temporary stability is the responsibility of the contractor. All work to be carried out in accordance with contract specifications.

8. Cover to reinforcement: Walls & Bases 50mm when cast against shutters or blinding. Lap lengths: H20 800mm, H16 650min, H12 500min. All kickers 150mm

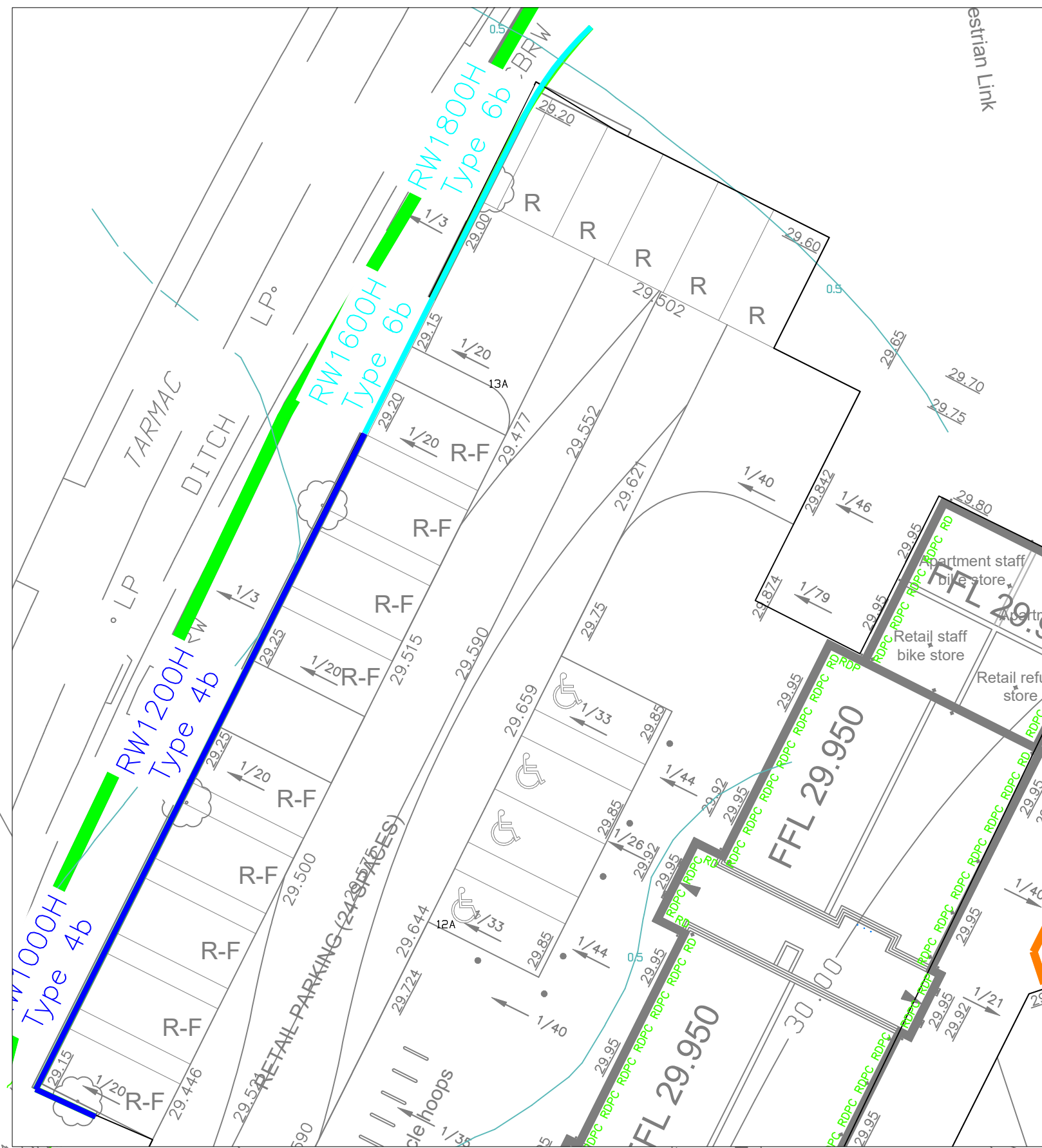
9. Reinforcement to comply with BS. 4449 and BS. 8666:2005. All reinforcement to be Grade 500B.

10. Reinforcement is to be fixed and held firmly in position prior to concrete placement using cold reduced steel tying wire to BS. 4482 and proprietary concrete spacers as necessary. Chairs, spacers etc to support reinforcement during placement of concrete are required and are to be supplied and detailed by Contractor.

11. Concrete is to be placed, thoroughly compacted using mechanical vibration techniques, and cured in accordance with BS. 8110 and all other relevant guidance publications.

Retaining Wall Key

Retaining Wall Type 1	
Retaining Wall Type 2	
Retaining Wall Type 3	
Retaining Wall Type 4	
Retaining Wall Type 5	
Retaining Wall Type 6	
Gabion Wall 1	
Gabion Wall 2	
Gabion Wall 3	
Gabion Wall 4	
Gabion Wall 5	



C3	11/09/24	Retaining walls details updated adj block E	RF	RF
C2	19/10/22	Retaining walls added around Plot 10-11.	LH	RF
C1	23/09/22	Revised For Construction, Retaining Wall types 4b and 6b added.	LH	RF
T3	09/08/22	Section markers added to Gabion Wall 1.	LH	RF
T2	25/07/22	Retaining wall height revised where clouded.	LH	RF
T1	24/02/22	First issue.	LH	RF

REV. No.	DATE	DESCRIPTION	DRAWN	CHECKED
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Client		Vistry Group		MJA CONSULTING CIVIL & STRUCTURAL ENGINEERS	
Project		Boorley Green, Gateway		Scale: 1:200@AO	
Title		Retaining Wall Layout		Status: CONSTRUCTION	
Drawn:		LH		Project Engineer: MJA Project No: 6663	
Drawing Number:		6663-MJA-SW-XX-DR-S-1170		Date: 23/02/2022	
				Rev: C3	