

PILE COUNT:

600mm DIA CFA = 94
450mm DIA CFA = 422



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P1 - FIRST ISSUE	OD	DW	2024.05.03
Issued/Revision	By	Appd	YYYY.MM.DD
	-	-	2024.05.03
	Dwn.	Dsgn.	Chkd.

Issue Status

S2 - ISSUED FOR INFORMATION

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Client/Project Logo

Berkeley
Designed for life

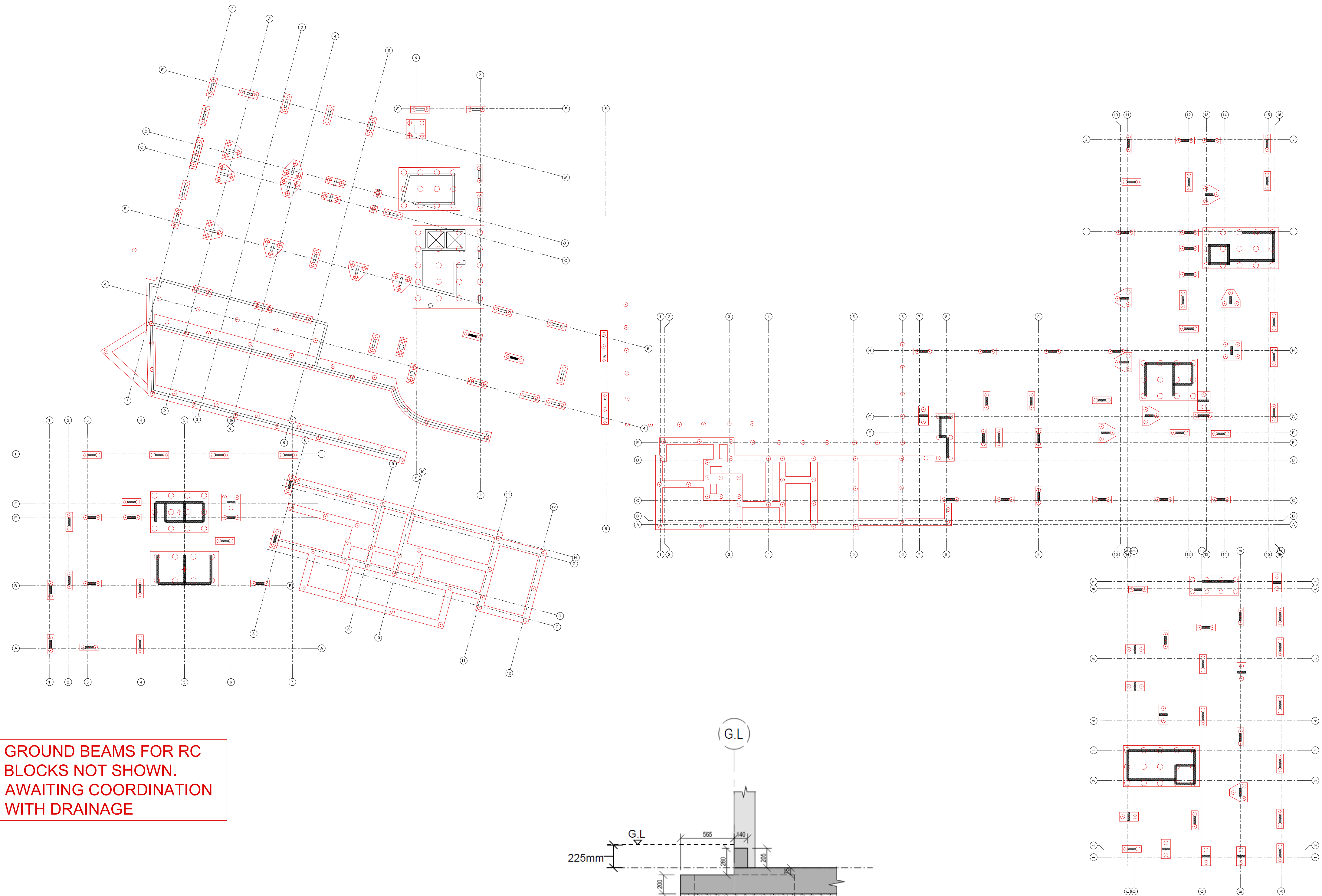
Client/Project
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VASTERN ROAD

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Title
PRELIMINARY PILING LAYOUT

Project No. 330511061	Scale 1:250
Revision P2	Drawing No. O453-STA35-SW-00-DR-S-005-052



GROUND BEAMS FOR RC BLOCKS NOT SHOWN.
AWAITING COORDINATION WITH DRAINAGE

Table 5.2 Preliminary Estimates of Axial Resistance (GEO limit state)

Pile Toe Depth, m bgl	Axial Resistance, kN		
	350 mm	450 mm	600 mm
15.0	425	625	975
20.0	725 ⁽¹⁾	1000	1475
25.0 ⁽²⁾	1000 ^(1, 2)	1375 ^(1, 2)	1975 ⁽²⁾

Notes:

- (1) Pile length exceeds 50 times pile diameter (LDSA, 2017).
- (2) cfa piling rigs often have a maximum pile length of 23 m hence discussions with piling contractors will be required if longer piles are proposed to ensure they can be constructed.

PERIMETER GROUND FLOOR
DETAIL

Note:

Pile foundations will terminate within chalk bedrock as per requirement of Ground Investigation Report.
Piling depth is expected to be circa 18m for all piles.
Exact depth will be specified by the piling contractor.