

SA: jcr: 25.0491
22nd April 2025



Vantage Homes
3/17 Duporth Avenue
MAROOCHYDORE QLD 4558

Attention: Kassandra Parlee / Fred Beytell

Re: **PRELIMINARY DRILLING FOR**
LOT 8014 PARK AVENUE, NIRIMBA

Borehole	I _{ss}	y _s range	Soil profile description
1	2.24 @ 500mm	40 – 60mm	1200mm FILL, 200mm TOPSOIL clayey sand overlying 1000mm CONTROLLED FILL stiff CH sandy silty clay overlying NATURAL medium-dense SC clayey sand
2	-	40 – 60mm	1200mm FILL, 200mm TOPSOIL clayey sand overlying 1000mm CONTROLLED FILL stiff CH sandy silty clay overlying NATURAL medium-dense SC clayey sand
3	-	40 – 60mm	1200mm FILL, 200mm TOPSOIL clayey sand overlying 1000mm CONTROLLED FILL stiff CH sandy silty clay overlying NATURAL medium-dense SC clayey sand
4	-	40 – 60mm	1200mm FILL, 200mm TOPSOIL clayey sand overlying 1000mm CONTROLLED FILL stiff CH sandy silty clay overlying NATURAL medium-dense SC clayey sand
5	3.21 @ 500mm	40 – 60mm	1200mm FILL, 200mm TOPSOIL clayey sand overlying 1000mm CONTROLLED FILL stiff CH sandy silty clay overlying NATURAL medium-dense SC clayey sand
6	-	40 – 60mm	1200mm FILL, 200mm TOPSOIL clayey sand overlying 1000mm CONTROLLED FILL stiff CH sandy silty clay overlying NATURAL medium-dense SC clayey sand
7	-	40 – 60mm	700mm FILL, 200mm TOPSOIL clayey sand overlying 500mm CONTROLLED FILL stiff CH sandy silty clay overlying NATURAL medium-dense SC clayey sand
8	3.23 @ 500mm	40 – 60mm	1200mm FILL, 200mm TOPSOIL clayey sand overlying 1000mm CONTROLLED FILL stiff CH sandy silty clay overlying NATURAL medium-dense SM silty sand
9	-	40 – 60mm	1200mm FILL, 200mm TOPSOIL clayey sand overlying 300mm stiff CH sandy silty clay overlying 700mm CONTROLLED FILL Medium-dense SM silty sand overlying NATURAL medium-dense SM silty sand
10	-	40 – 60mm	1200mm FILL, 200mm TOPSOIL clayey sand overlying 1000mm CONTROLLED FILL stiff CH sandy silty clay overlying NATURAL medium-dense SM silty sand

Notes:

- Preliminary drilling only; these results are based on reactivity only in the areas tested.
- Shrink and swell testing indicates that the natural clays are moderately to highly reactive. The boreholes are classified as H1, y_s = 40 – 60mm.

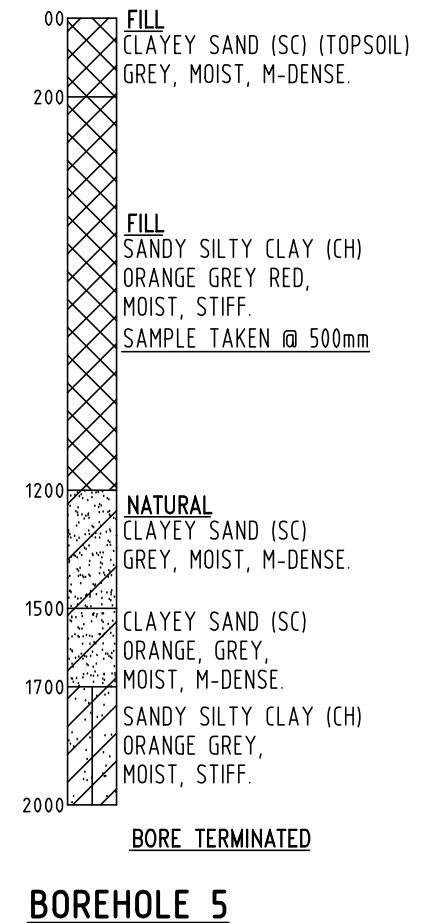
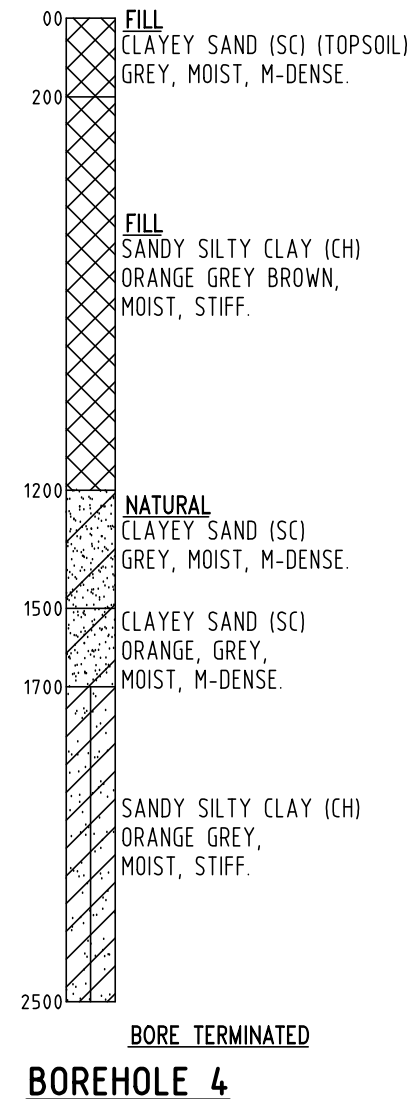
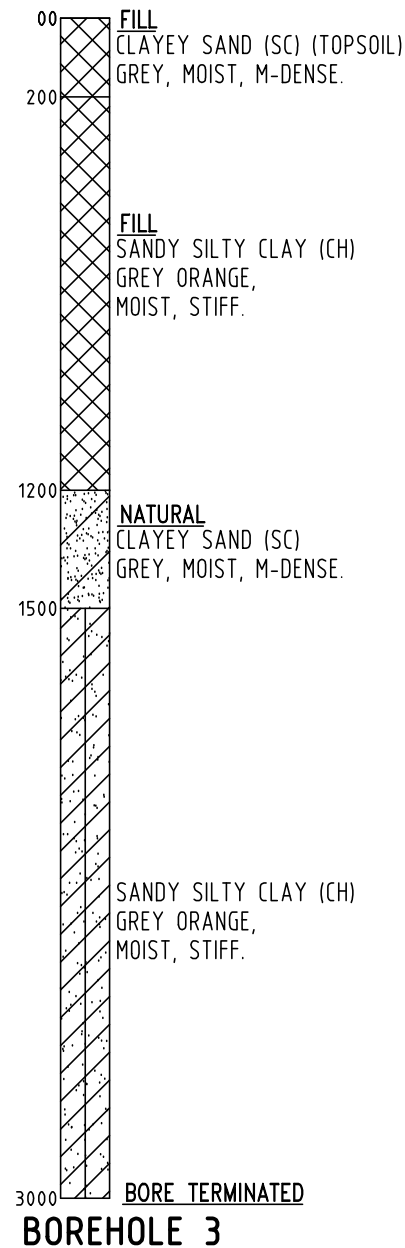
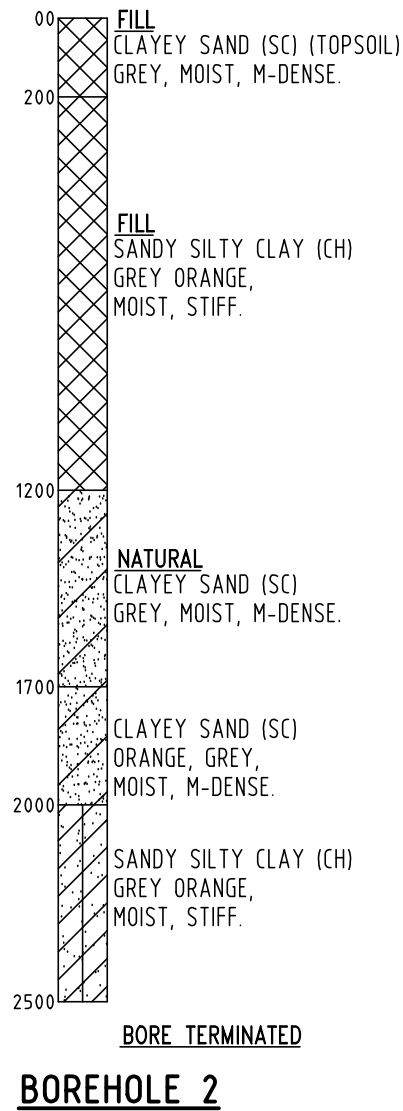
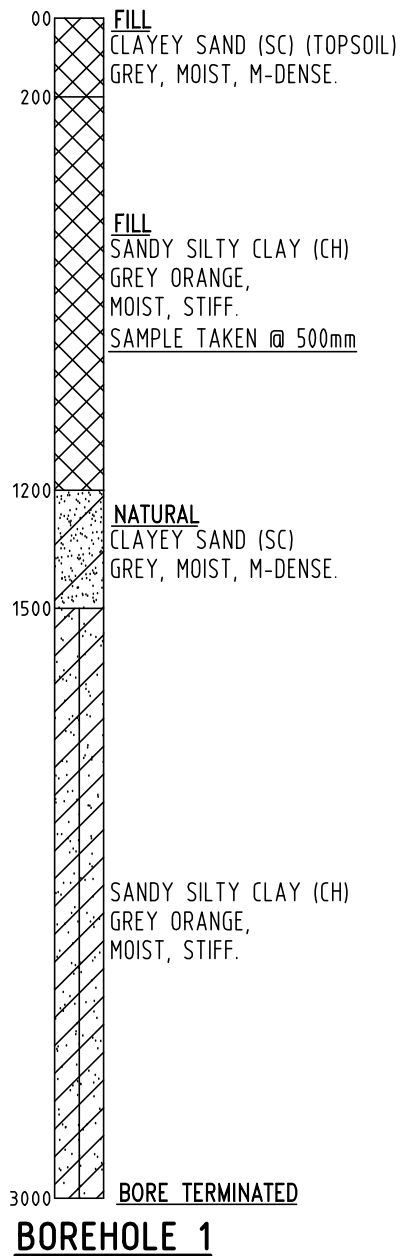
- Design recommendations for these sites are:
H1: 385mm deep waffle raft slab with 3-L11TM.
- All boreholes contained up to 1200mm fill. We have been provided with a compaction report, Project No. 676975.00 dated 4/02/2019 prepared by Douglas Partners stating that the bulk filling has been placed as controlled fill with Level 1 supervision in accordance with AS3798-2007.
- Topsoil to be removed prior to construction.
- There are some immature trees around the street frontages and pathway easements. Tree piers may be required where slabs are within the influence of trees.
- To confirm the classifications, testing of the individual sites is required after final earthworks has been carried out, in accordance with AS2870-2011 and QBCC requirements. Extensive cutting and filling may vary the results.

If you have any queries regarding the above, please do not hesitate to contact the undersigned.

Yours faithfully,

Sid Avery
CPEng NER RPEQ
D E Q Consulting Engineers.

BORE LOGS



NOTE:
ALL DIMENSIONS SHOWN
ARE APPROXIMATE ONLY.



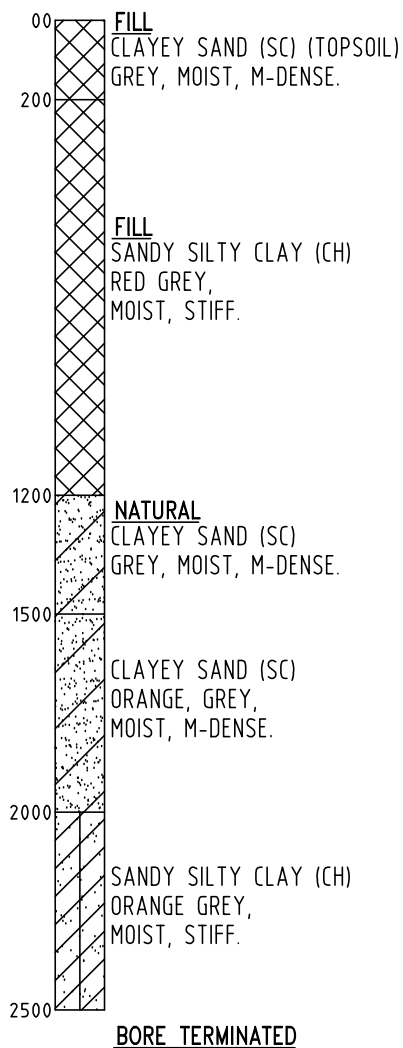
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ABN 53 065 711 248

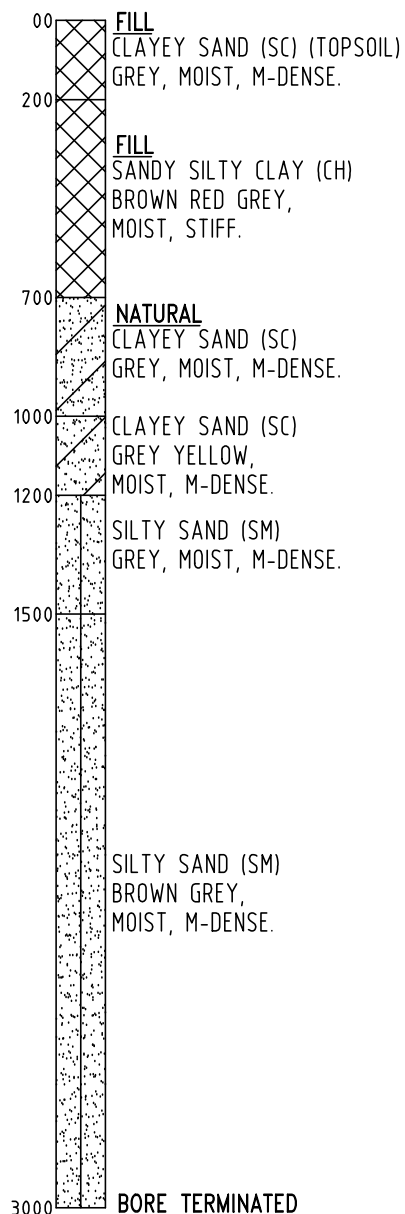
PRELIMINARY DRILLING

LOT 8014 PARK AVENUE
NIRIMBA

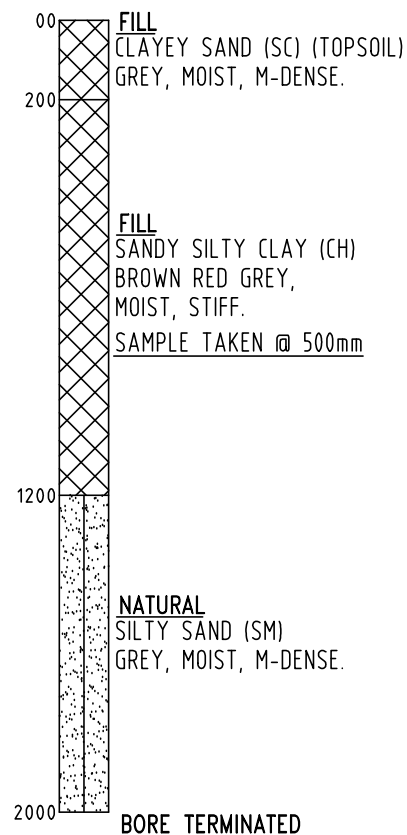
SCALE	N.T.S	DATE	17/04/25
DRAWN	M.W		
	25.0491		G01
JOB No.		DRG. No.	
CHECKED		SHEET	1 OF 3



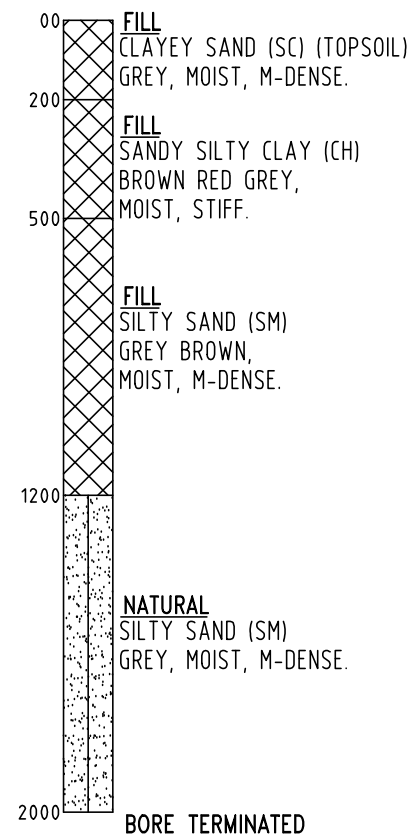
BOREHOLE 6



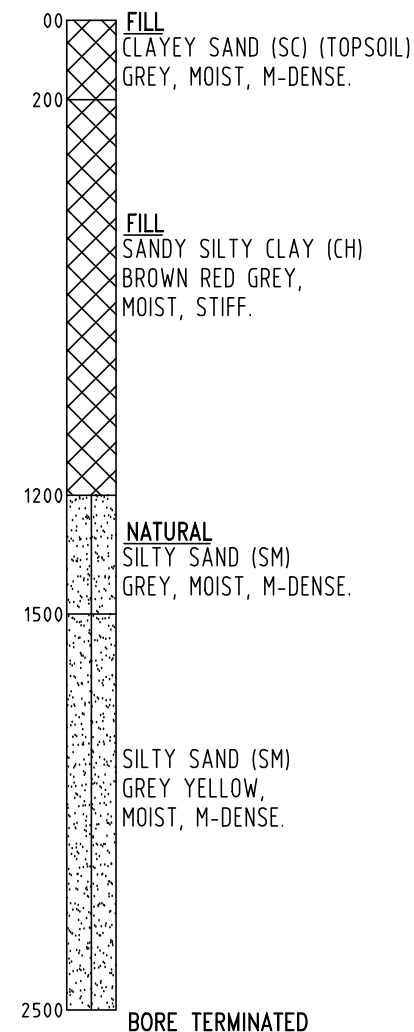
BOREHOLE 7



BOREHOLE 8



BOREHOLE 9



BOREHOLE 10

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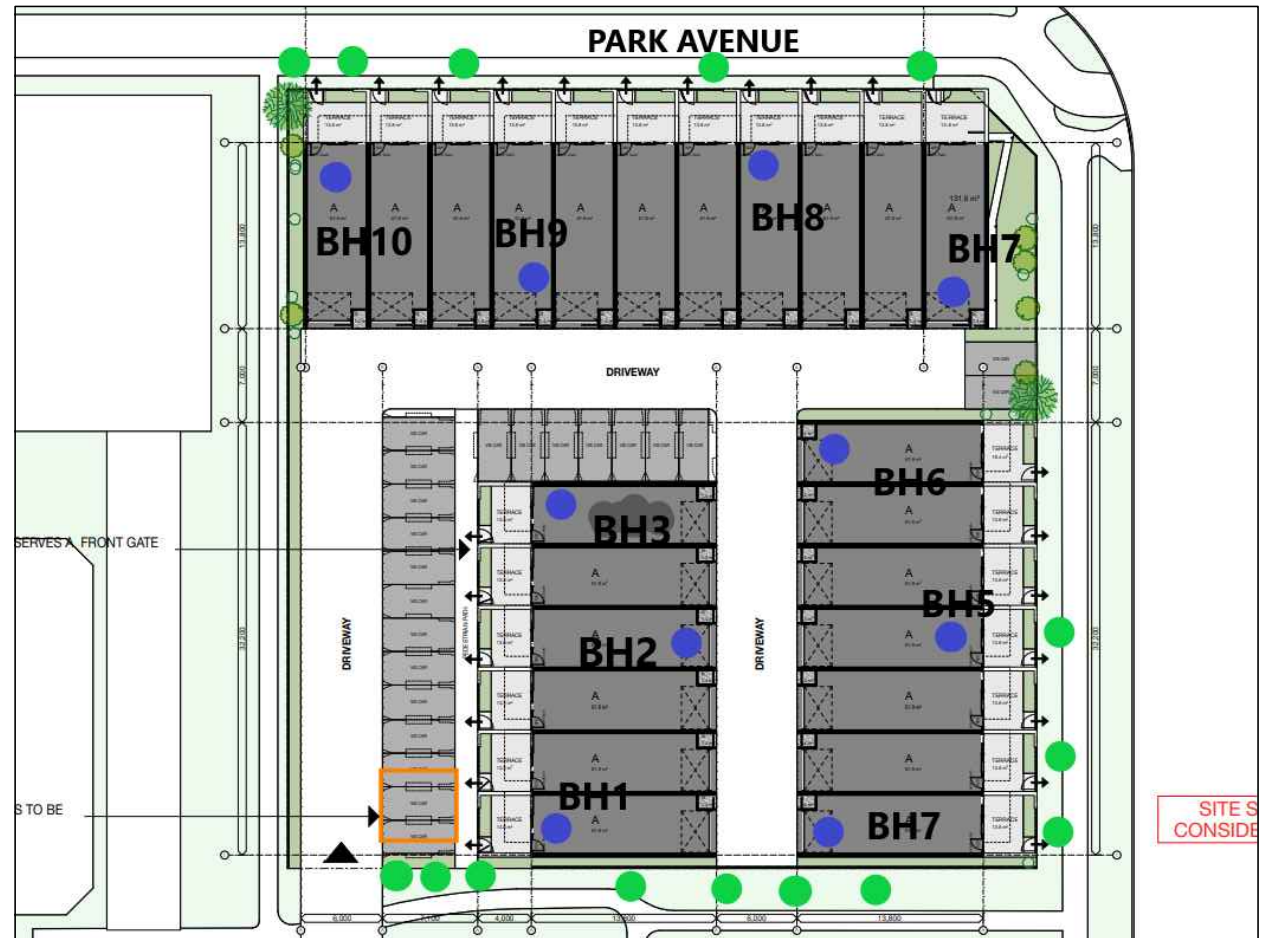
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SCALE	N.T.S	DATE	17/04/25
DRAWN	M.W		
JOB No.	25.0491	DRG. No.	G01
CHECKED		SHEET	2 OF 3

LABORATORY TEST RESULTS

BOREHOLE No.		1		5		8	
DEPTH (mm)		500		500		500	
Iss		2.24		3.21		3.23	
MOISTURE CONTENT %	SHRINK	INITIAL	23.1	INITIAL	15.2	INITIAL	20.5
	SWELL	INITIAL	23.1	INITIAL	15.2	INITIAL	20.5
		FINAL	23.6	FINAL	16.1	FINAL	22.4



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	25.0491		G01
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