

**NZGD ID: 190675** 

## **CPT PARAMETER LOG** aurecon Nkt: 15 Estimated SPT N<sub>60</sub> Refined Normalised Cone Resistance, Qt Normalised Friction Ratio, F Relative Density, Dr (%) Friction Angle, (6) 10 20 30 40 50 100 150 200 250 300 350 400 450 2 4 6 240 20 40 60 30 35 40 Depth, (m) ++++++++++ Depth, 0.0 0.2 0.4 0.6 0.8 1.0 Pore Pressure Ratio, B. - 5 - 6 Soil Behaviour Type SBT<sub>n</sub> - Robertson et al. 1990 Client Reference: Notes and Limitations: Client: Aurecon Data shown on this report has been assessed to provide a basic 0 Undefined Sand mixtures: silty sand to sandy silt interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P.K. Robertson and K.L. Cabel (2010), Guide to Cone Penetration Testing for Project: Kohimarama School Sensitive fine grained Sands: clean sands to silty sands CPT-02 **Test Number:** Geotechnical Engineering, 4th Edition. The interpretations are presented Location: 112 Kohimarama Road, Kohimarama, Auckland only as a guide for geotechnical use and should be carefully reviewed by Organic: Organic clay/silt, peat 7 Dense sand to gravelly sand the user. Ground Investigation Ltd. does not warrant the correctness or Engineer: Jennifer Lo applicability of any of the geotechnical soil and design parameter shown 8 Stiff sand to clayey sand Clay: clay to silty clay and does not assume any liability for any use of the results in any design or Contractor: Ground Investigation Ltd review. The used should be fully aware of the techniques and limitations of G.I. Job Ref: 220779 Silt mixtures: clayey silt & silty clay 9 any method used to derive data shown in this report.



## **CPT ZEROS AND DRIFT**



G.I. Job Ref: 220779

Cone Reference	CPT Name	Push	Tip Resistance					Local Friction					Pore Pressure				
			Initial (MPa)	Final (MPa)	Cleaned (MPa)	I - F Difference (kPa)	I - C Difference (kPa)	Initial (MPa)	Final (MPa)	Cleaned (MPa)	I - F Difference (kPa)	I - C Difference (kPa)	Initial (MPa)	Final (MPa)	Cleaned (MPa)	I - F Difference (kPa)	I - C Difference (kPa)
MKJ300	CPT-01	1	20.868	20.930	N/A	62.4	N/A	0.2820	0.2823	N/A	0.3	N/A	2.8123	2.8125	N/A	0.2	N/A
MKJ300	CPT-02	1	20.832	20.925	N/A	93.6	N/A	0.2819	0.2822	N/A	0.3	N/A	2.8101	2.8103	N/A	0.2	N/A
MKJ167	CPT-04	1	18.215	18.272	N/A	57.1	N/A	0.2586	0.2589	N/A	0.3	N/A	3.0216	3.0147	N/A	-6.9	N/A
MKJ167	CPT-05	1	18.241	18.288	N/A	46.7	N/A	0.2587	0.2593	N/A	0.5	N/A	3.0246	3.0252	N/A	0.7	N/A
MKJ300	CPT-06	1	20.868	20.910	N/A	41.6	N/A	0.2816	0.2819	N/A	0.3	N/A	2.8120	2.8118	N/A	-0.2	N/A
MKJ167	CPT-07	1	18.272	18.277	N/A	5.2	N/A	0.2583	0.2591	N/A	0.8	N/A	3.0155	3.0157	N/A	0.2	N/A
MKJ167	CPT-08	1	18.272	18.324	N/A	51.9	N/A	0.2586	0.2596	N/A	1.0	N/A	3.0159	3.0160	N/A	0.2	N/A
MKJ300	CPT-09	1	20.868	20.884	N/A	15.6	N/A	0.2822	0.2827	N/A	0.5	N/A	2.8085	2.8085	N/A	0.1	N/A
MKJ300	CPT-10	1	20.842	20.889	N/A	46.8	N/A	0.2817	0.2817	N/A	-0.1	N/A	2.8112	2.8113	N/A	0.1	N/A
MKJ167	CPT-11	1	18.246	18.257	N/A	10.4	N/A	0.2584	0.2589	N/A	0.5	N/A	3.0157	3.0158	N/A	0.1	N/A
MKJ300	CPT-12	1	20.936	20.920	N/A	-15.6	N/A	0.2811	0.2820	N/A	0.9	N/A	2.8111	2.8112	N/A	0.1	N/A

Client: Aurecon
Project: Kohimarama School

Location: 112 Kohimarama Road, Kohimarama, Auckland

Engineer: Jennifer Lo

Note: Zero difference colour-coded based on application classes following ISO 22476-1:2012. Blue indicates Class 1, green Class 2, orange Class 3 and red Class 4. Grey represents if a test is below Class 4.