LOAD TEST SHEETS

General Information Sheet

Piletech Branch:	Auckland
Site Address:	Carlaw Park - Stage 2
Client:	
Piletech Branch Job No.	2775
Piletech Engineering Job No.	2775
Date of load test:	
Person(s) in charge of load test:	Mike Abbott
Test No.	
Compression or **T**ension Test?	t C/T
Type of load test:	ISL

(ISL) -Incremental Sustained Load test
(QML) -Quick Maintained Load test

Site Map Attached:
- A Site Map showing the location of the geotechnical Borehole/CPT locations and the location of the pile load test ***has to be attached****.*

Photos Attached:
- A set of digital photos of the load test setup from different angles ***is to be attached.***

General Remarks/Information:

Test carried out between M1 and M6

Authorised and checked by: GAB

PILE INSTALLATION RECORDS

Job No: 2775

TESTPILE INSTALLATION INFORMATION

Install Date:	
Plant Operator:	WL
Excavator:	SH350-A3
Drive Unit:	PD153
Ratio psi : Nm	Variable

TEST PILE SPECIFICATIONS

Pile Shaft: 273mm OD

Helix Size: 700mm OD

	Test Pile		
Depth [m]	Pressure [psi]	Torque [Nm]	No of Revs
0.5			
1.0			
1.5	800	13400	
2.0	800	13400	
2.5	700	10067	
3.0	700	10067	
3.5	800	13400	
4.0	800	13400	
4.5	800	13400	
5.0	800	13400	
5.5	800	13400	
6.0	800	13400	
6.5	800	13400	
7.0	700	10067	
7.5	900	16733	
8.0	1300	30067	
8.5	1500	36733	
9.00	1900	50067	
9.50	2000	53400	
10.00	5000	153400	
10.50	5000	153400	
11.00	5000	153400	
11.50			
12.00			
12.50			
13.0			
13.5			
14.0			
14.5			
15.0			

SUSTAINED STATIC LOAD TEST - TENSION TEST

In accordance with the requirements of AS 2159 - 1995

ULTIMATE LIMIT STATE LOAD 871.00 kN

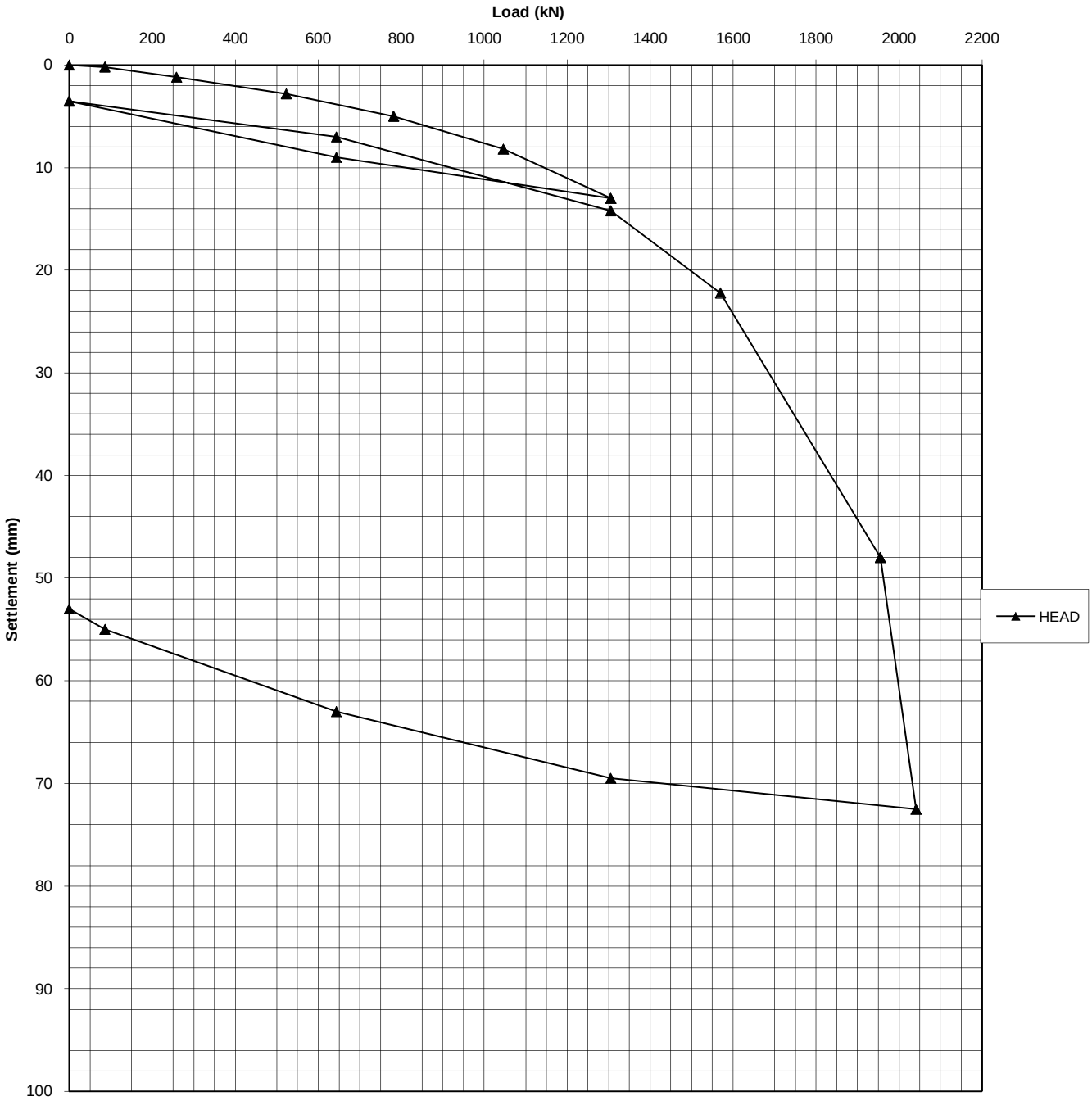
EFFECTIVE AREA OF HYDRAULIC JACK 586.2 cm^2

Effective Area of 1 No. 50T solid = 71.63 cm^2
Effective Area of 1 No. 60T hollow = 94.02 cm^2
Effective Area of 1 No. 100T double acting = 146.55 cm^2

LOADING		READING INCREMENTS												
APPLIED TEST LOAD	GAUGE VALUE	PILE HEAD											TOTAL	DATUM
kN	kg / cm^2	ZERO	1 MIN	2 MINS	5 MINS	10 MINS	15 MINS	20 MINS	25 MINS	30 MINS	35 MINS	40 MINS	mm	mm
0	0	104	104	104	104	104	104						0	
86	15	104	104.2	104.2	104.2	104.2	104.2						0.2	
259	45	105	105.1	105.2	105.2	105.2	105.2						1.2	
523	91	106.8	106.8	106.8	106.8	106.8	106.8						2.8	
782	136	109	109	109	109	109	109						5	
1047	182	112.2	112.2	112.2	112.2	112.2	112.2						8.2	
		ZERO	1 MIN	2 MINS	5 MINS	10 MINS	15 MINS	30 MINS	45 MINS	60 MINS	75 MINS	90 MINS		
1305	227	114.7	114.7	114.8	115	116	116	117	117	117	117		13	
644	112	113	113	113	113								9	
0	0	107.5	107.5	107.5	107.5								3.5	
644	112	111	111	111	111								7	
1305	227	117.5	117.5	118	118	118.2	118.2						14.2	
1570	273	123	123	125.5	126	126.2	126.2						22.2	
1955	340	150.5	151	151.6	151.2	152	152						48	
		ZERO	1 MIN	2 MINS	5 MINS	10 MINS	15 MINS	30 MINS	45 MINS	60 MINS	75 MINS	90 MINS		
2041	355	174.4	174.6	174.8	175.2	175.5	176	176	176	176.5	176.5		72.5	
1305	227	173.5	173.5	173.5	173.5								69.5	
644	112	167	167	167	167								63	
86	15	159	159	159	159								55	
0	0	157.5	157	157	157								53	

Job No: 2775

STATIC LOAD TEST



COMPRESSION LOAD TEST ACCEPTANCE CRITERIA AS 2159 - 1995

LOAD	MAX: DEFLECTION mm
Serviceability load	15 *
Zero load after removing serviceabilty load	7 *
1.5 x Design action effect [S*]	the greater of 50mm or 10% of the Helix diameter
Zero load after removing 1.5 x [S*]	30

* Movement to include no more than 3 mm creep

TORQUE PROFILES