Brief on the Sheetpile Proposal for Retaining T1 Area at the Launching Shaft Area, of the To Kwa Wan Station of Shatin to Central Link – Tai Wai to Hung Hom Section (SCL(TAW-HUH))

BACKGROUND

Further to the completion of the archaeological survey-sum-excavation in the Sacred Hill (North) area as recommended in the approved Environmental Impact Assessment report for the project of Shatin to Central Link (SCL), Dr Liu Wensuo, the archaeologist engaged by the consultant of the Mass Transit Railway Corporation Limited (MTRCL), was granted a licence on 4 December 2013 by the Antiquities Authority to carry out an archaeological watching brief in the Launching Shaft area (LSA). During the Antiquities Advisory Board's visit on 2 May 2014, members noted the remains of features of Song-Yuan period in T1 including compact surface, wall structures, an open drainage, a pit and a square shaped well.

2. Owing to the archaeological potential of the areas beyond the LSA, the archaeological watching brief was expanded with a licence granted on 24 April 2014 to cover these areas (the green area as shown in figure 1).

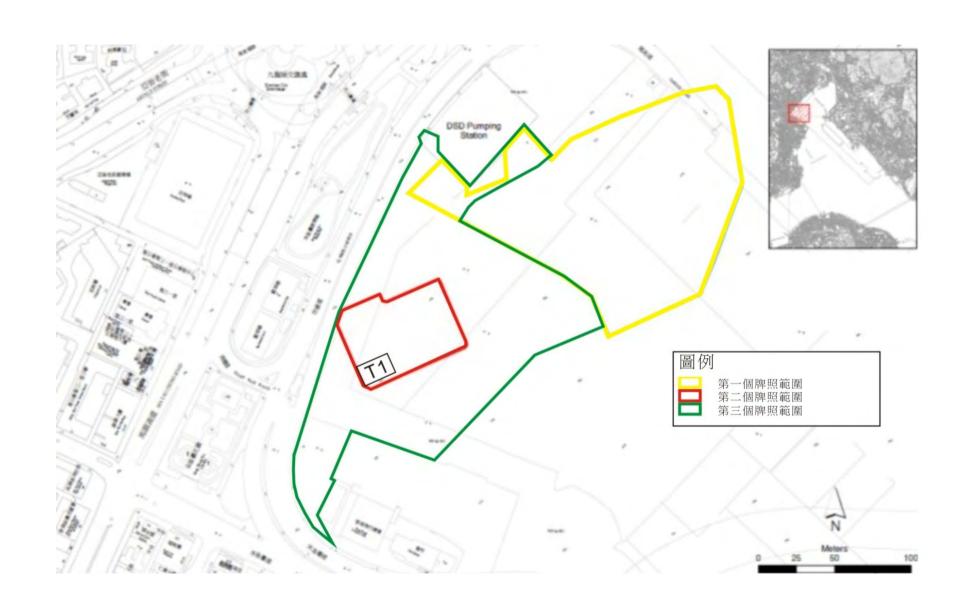
SHEET PILING PROPOSAL FOR RETAINING AREAS WITHIN THE ARCHAEOLOGICAL WATCHING BRIEF

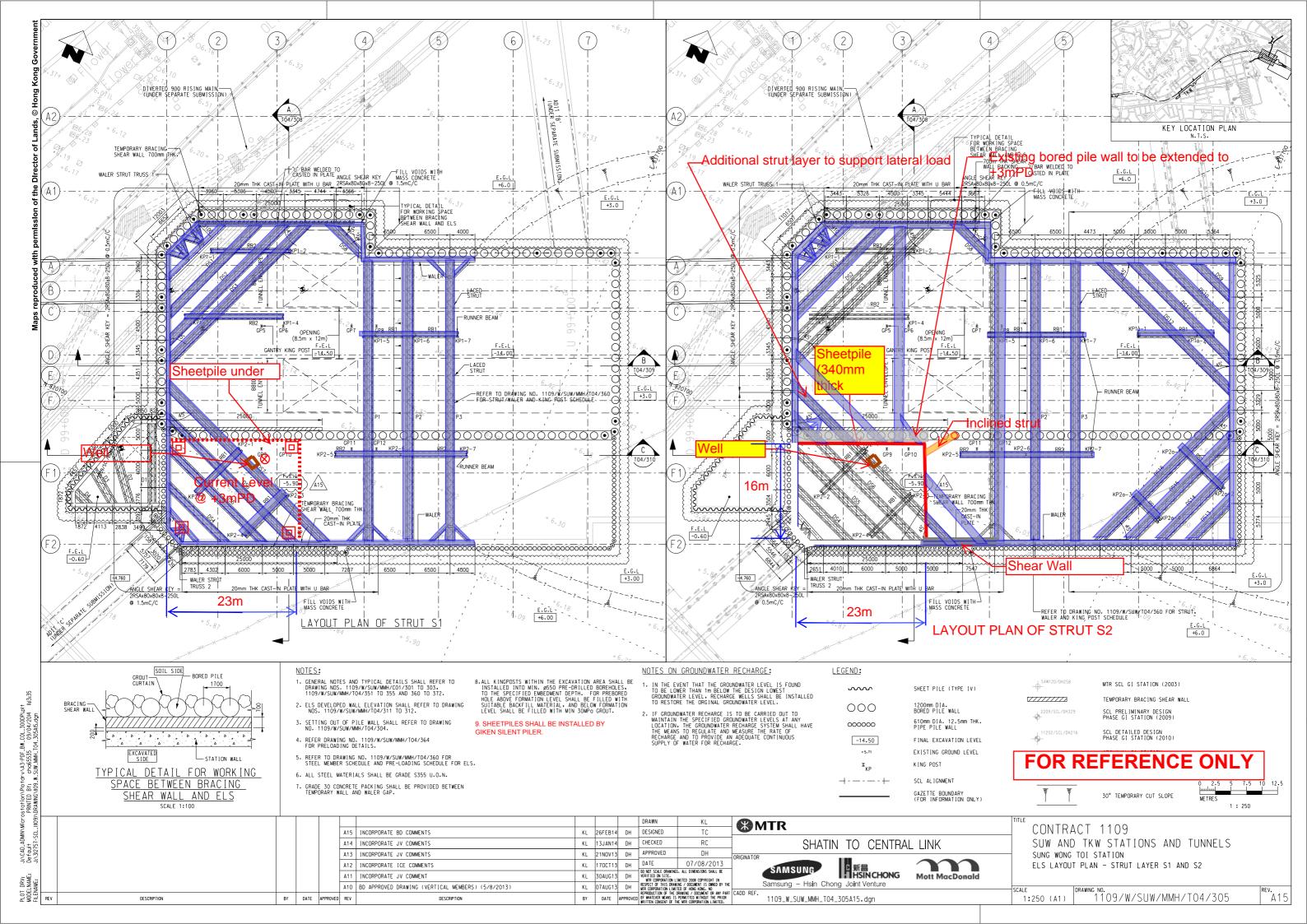
- 3. At present, most of the archaeological work in the LSA has been completed. In order to facilitate the protection of the exposed archaeological features and cultural relics in T1 and the continuation of construction works in the rest of the LSA, MTRCL has submitted a sheet piling proposal for retaining T1 area (Annex A) for the Antiquities and Monuments Office's consideration. The proposal includes:
- Shoring system for Launching Shaft,
- Monitoring proposal plan for sheetpiling works,
- Proposed plant catalogue for installing sheetpile cofferdam, and

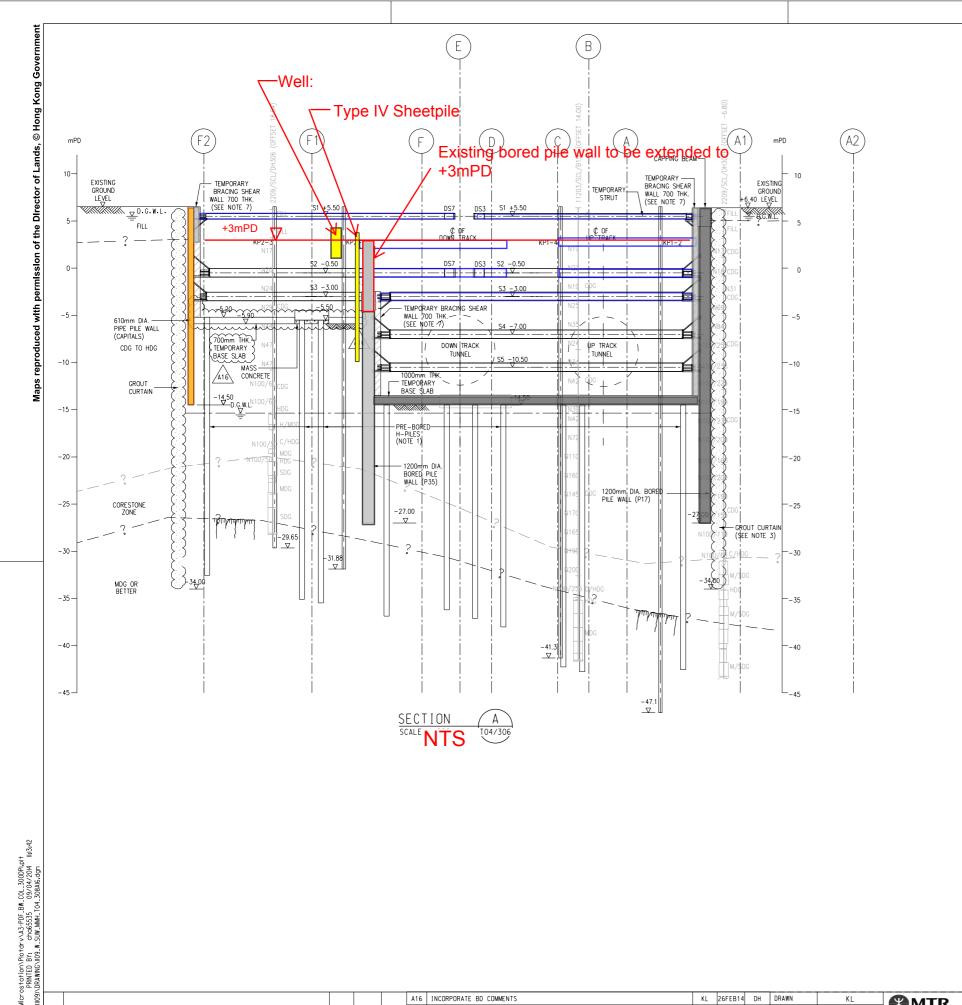
- Reference monitoring records.
- 4. In addition, in consideration of site safety and stability of the areas for the archaeological watching brief in the expanded areas, MTRCL also proposed to install diagonal struts and waling at Adit C and Ventilation Area.
- Shoring system for Adit C,
- 50m Monitoring Zone for Adit C, and
- Shoring system for Ventialtion Area.

The details are in Annexes A and B.

Antiquities and Monuments Office May 2014







- STATION FOUNDATION PRE-BORED H-PILES TO BE PROVIDED UNDER A SEPARATE SUBMISSION.
- 2. PILE CAP TO BE SLEEVED 50mm FROM TEMPORARY BASE SLAB.
- 3. GROUT CURTAIN FOUNDING LEVEL TO BE -34.0mPD.
- 4. ALL STEEL MATERAL SHALL BE GRADE S355 U.O.N.
- 5. GRADE 30 CONCRETE SHALL BE PROVIDED BETWEEN WALL AND WALER GAP.
- 6. ALL KING POST WITHIN THE EXCAVATION AREA SHALL BE INSTALLED INTO MIN. 550 DIA, PRE-DRILLED BOREHOLES TO THE SPECIFIED EMBEDMENT DEPTH FOR PRE-BORED HOLE ABOVE FORMATION LEVEL SHALL BE FILLED WITH SUITABLE BACKFILL MATERIA AND BELOW FORMATION LEVEL SHALL BE FILLED WITH MIN. 30MPO GROUT.
- 7. REFER TO DRAWING NO. 1109/W/SUW/MMH/T04/352 FOR CONSTRUCTION SEQUENCE OF TEMPORARY BRACING SHEAR WALL.

FOR REFERENCE ONLY

A16 INCORPORATE BD COMMENTS KL 26FEB14 DH DRAWN KL 13JAN14 DH DESIGNED A15 INCORPORATE JV COMMENTS A14 INCORPORATED STAGED PUMPING TEST KL 30DEC13 DH CHECKED KL 03DEC13 DH APPROVED A13 INCORPORATE JV COMMENTS KL 03DEC13 DH APPROVED DH ORIGINATOR

KL 30AUG13 DH ORT SCALE CRAINGS. ALL DIRESTORS SHALL BE REFITED ON STILL. LIMITED DOSE COPRISION IN CAPITAL BY COMPANION. ALL DIRESTORS SHALL BE REFITED ON STILL. LIMITED OF DOSE COPRISION IN CAPITAL BY COMPANION. OR SHALL BE REFITED ON STILL LIMITED OF DOSE COPRISION IN SHALL BE REFITED ON SHALL BE DESIRED FOR KINDS. NO SHALL BE REFITED ON SHALL BE DESIRED FOR KINDS. NO SHALL BE REFITED ON SHALL BE DESIRED FOR KINDS. OR APPEAR OF THE REFITED ON SHALL BE DESIRED FOR SHAL A12 INCORPORATE JV COMMENTS A11 INCORPORATE JV COMMENTS A10 BD APPROVED DRAWING (VERTICAL MEMBERS) (5/8/2013) PLOT MODEL A33 DESCRIPTION BY DATE APPROVED REV

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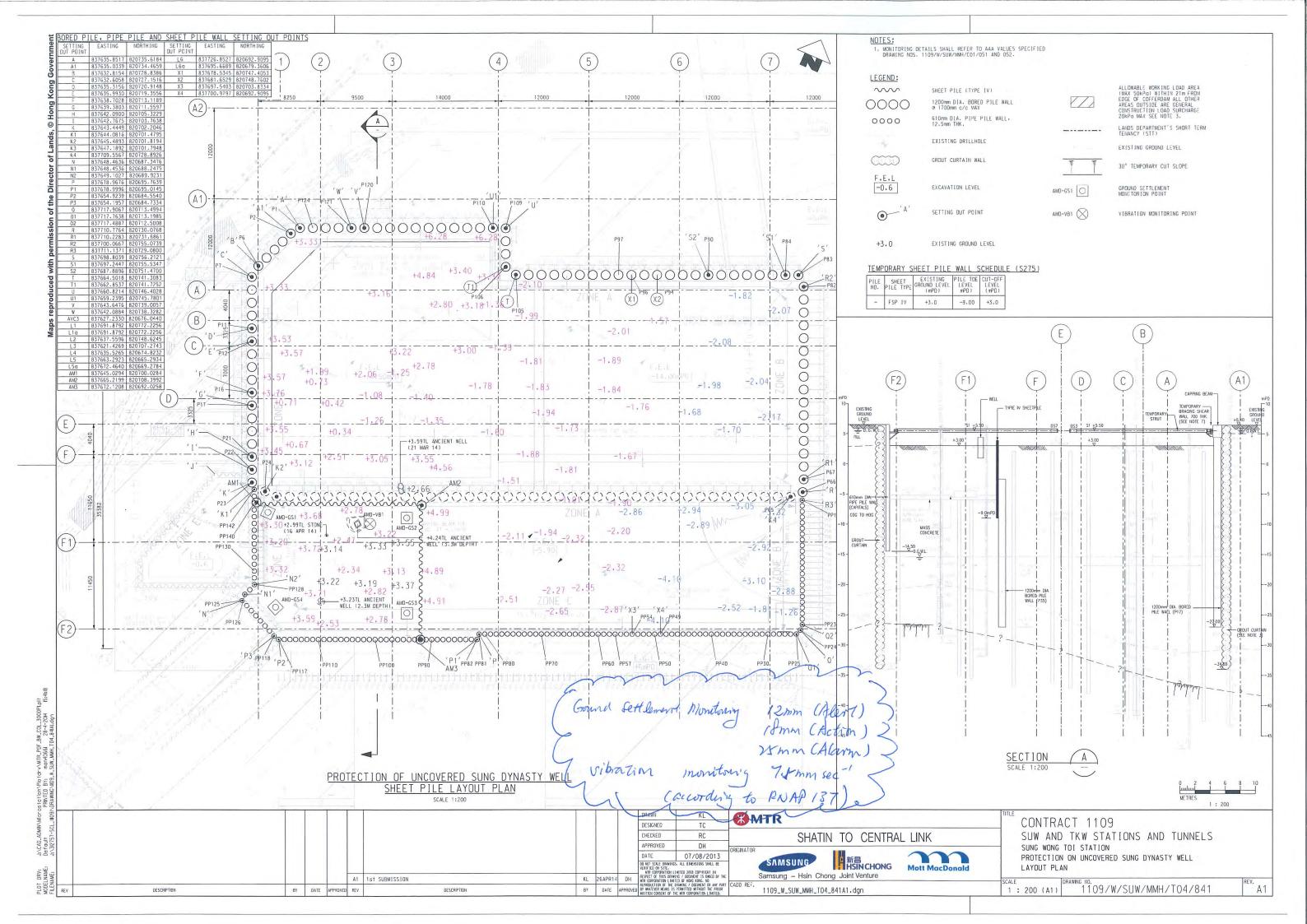
MTR SHATIN TO CENTRAL LINK 新昌 HSIN CHONG SAMSUNG Samsung - Hsin Chong Joint Venture

1109_W_SUW_MMH_T04_308A16.dgn

CONTRACT 1109 SUW AND TKW STATIONS AND TUNNELS SUNG WONG TOI STATION ELS SECTIONS - SECTION A

DRAWING NO. 1109/W/SUW/MMH/T04/308 1 : 200 (A1)

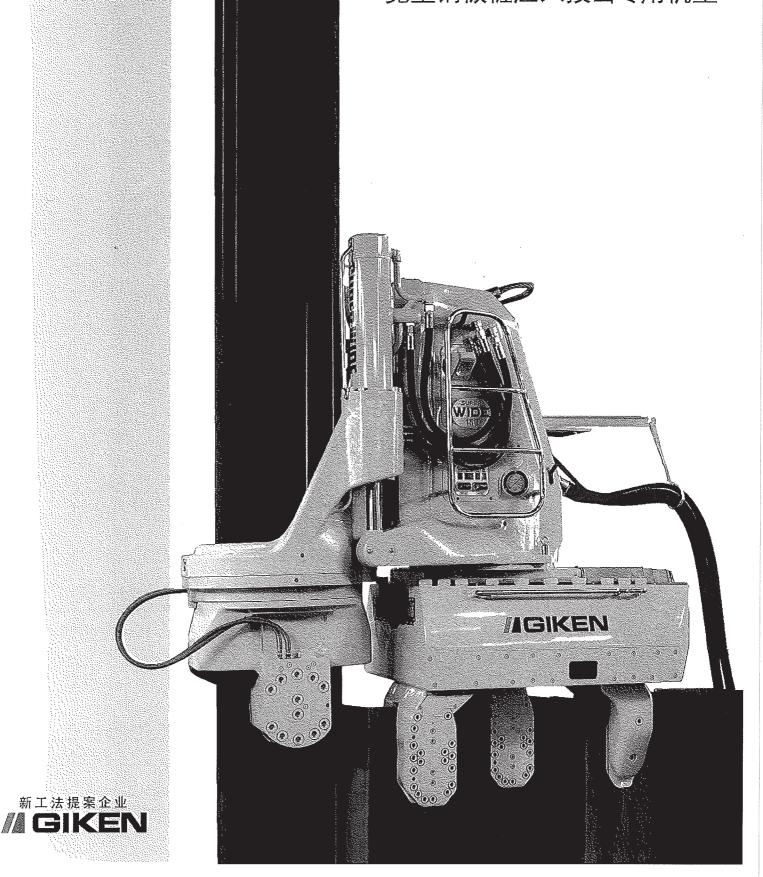
A16





SUPERWIDE 100 150

宽型钢板桩压入拔出专用机型



SUPERWIDE 100 150

规格

-	ווט												
L		•			SW100	SW150							
	压		<u>λ</u> _	カ	1000kN (102ton)	1500kN (153ton)							
	拔		£ _	カ	1100kN (112ton)	1600kN (163ton)							
	行			程	750 mm	800 mm							
静压楦桩机	压	λ	速	度	(2000min ⁻¹) 1.5~35.2 m/min	(2000min ⁻¹) 1.0~23.2 m/min							
	拔	出	速	度	(2000min ⁻¹) 3.2~27.5 m/min	(2000min ⁻¹) 2.4~18.2 m/min							
	适	用	桩	材	宽型钢板桩 600mm Iw~Ⅳw型 (SX10,SX18,SX27) 钢板柱 500mm VL, VIL型								
	操	作	方	法	有线操作盘	有线操作盘							
	19	动	方	式	自走式	自走式							
	全			长	2,720 mm	2,730 mm							
	全			宽	1,145 mm	1,145 mm							
	全			高	2,520 mm	2,675 mm							
	质			量	8,200 kg	9,800 kg							
	动		b	源	柴油引擎(涡轮增压)								
	額	定		出	169kW (230PS) /1800min-1 (超低噪音)								
ash.	油		容	积	375 L								
动力单元	液	压油	租名		550 L								
单	全			长	※ ② 4,300 mm								
元	全	***		宽	※ ② 1,705 mm								
	全	~ =		高	<u></u> ※ ② 2,350 mm								
		①质		量	4,500 kg								
		① 总 (1)		量	※ ② 6,100 kg								
舉	操	作	方	法	有线操作盘								
	动	<i></i>		源		油压泵×2马达 (使用动力单元的液压油)							
籛	行质	驶	速	度	1.4 kr								
-				量型		1,000 kg							
찕	类 全			长	折叠								
崩				宽	3,380 mm (折叠架张	オ町 り、210 mm)							
감	<u>全</u>			高	2,120 mm (折叠架张								
7	王.质			型型	520 r								
	坝			里	2,000	кв							

※① 配备有20m油压管,加满油箱,注入标准液压油时的状态

※② 配置有履带式行走装置与多功能工具箱时的状态

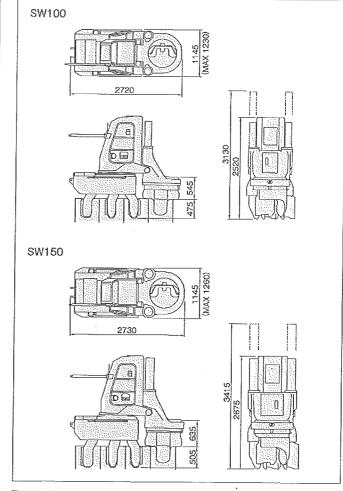
■ 多功能工具箱

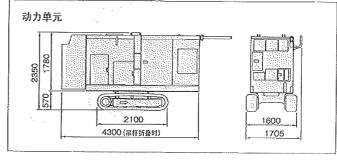
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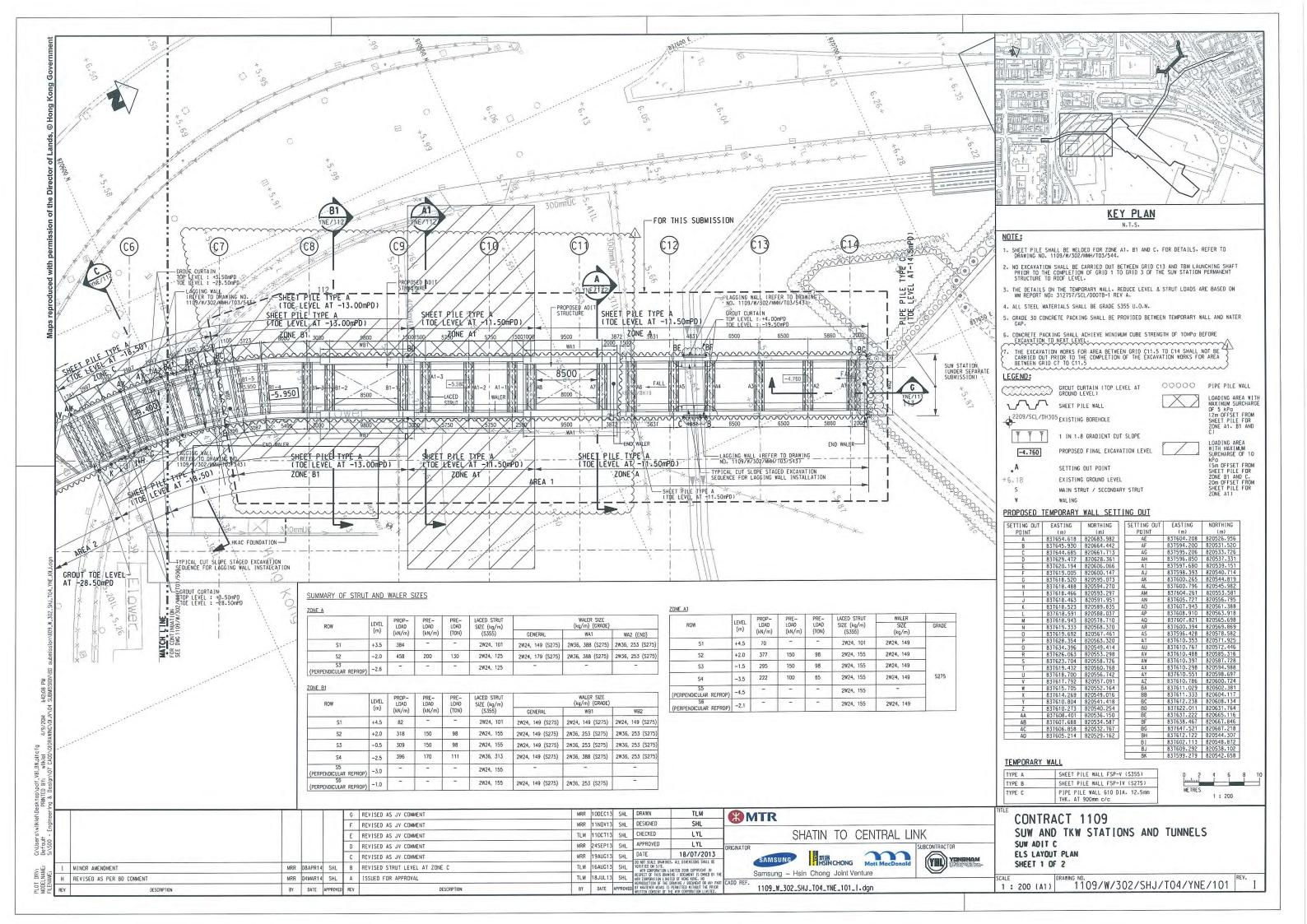
			<u> </u>	25-六月-13		26-六月-13			27-六月-13			22-七月-13			23-七月-13			24-七月-13		
	AAA Value	Initial Reading (mPD)	Reading (mPD)	Movement from previous (mm)	Cummulative Settlement (mm)	Reading (mPD)	Movement from previous (mm)	Cummulative Settlement (mm)	Reading (mPD)	Movement from previous (mm)	Cummulative Settlement (mm)	Reading (mPD)	Movement from previous (mm)	Cummulative Settlement (mm)	Reading (mPD)	Movement from previous (mm)	Cummulative Settlement (mm)	Reading (mPD)	Movement from previous (mm)	Cummulativ Settlement (m
ype B)																				
	Ī	5.4512	5.4518	0.8	0.6	5.4514	-0.4	0.2	5.4514	0	0.2	5.4511	-0.5	-0.1	5.4512	0.1	0	5.4516	0.4	0.4
		5.7025	5.7032	1.1	0.7	5.7036	0.4	1.1	5.7036	0	1.1	5.703	0.7	0.5	5.7025	-0.5	0	5.7027	0.2	0.2
		5.4189	5.4185	0.5	-0.4	5.4189	0.4	0	5.4189	0	0	5.4189	0.9	0	5.4187	-0.2	-0.2	5.4189	0.2	0
	Alert 12mm	5.4413	5.441	0.1	-0.3	5.4415	0.5	0.2	5.4415	0	0.2	5.4394	-0.5	-1.9	5.4402	0.8	-1.1	5.44	-0.2	-1.3
	Action 18mm	5.4482	5.4476	-1.3	-0.6	5.4473	-0.3	-0.9	5.4473	0	-0.9	5.4479	-0.2	-0.3	5.4489	1	0.7	5.4487	-0.2	0.5
ype 1)	Alarm 25mm	5.4446										5.4409	-1.1	-3.7	5.4412	0.3	-3.4	5.4417	0.5	-2.9
·F/		4.9788	4.98	0.5	1.2										4.9789	-0.6	0.1			
		5.0134	5.0146	0.1	1.2										5.0135	-1.4	0.1			
		5.057	5.0582	0.1	1.2										5.057	-1.9	0			
		5.529	5.5291	-0.5	0.1	5.5288	-0.3	-0.2	5.529	0.2	0	5.5271	-0.4	-1.9	5.5282	1.1	-0.8	5.5285	0.3	-0.5
		5.4846	5.4842	-0.4	-0.4	5.4845	0.3	-0.1	5.4845	0	-0.1	5.4832	0.8	-1.4	5.4842	1	-0.4	5.4837	-0.5	-0.9
		5.705	5.7057	0.9	0.7	5.7054	-0.3	0.4	5.7054	0	0.4	5.7042	1.1	-0.8	5.7048	0.6	-0.2	5.7043	-0.5	-0.7
		5.0831	5.0833	0.8	0.2	5.0829	-0.4	-0.2	5.0829	0	-0.2	5.0823	0.5	-0.8	5.0828	0.5	-0.3	5.0822	-0.6	-0.9
	1	5.856	5.8556	-1	-0.4	5.8569	1.3	0.9	5.8569	0	0.9	5.8552	1	-0.8	5.8557	0.5	-0.3	5.856	0.3	0
	1	5.3805	5.3811	1	0.6	5.3811	0	0.6	5.3805	-0.6	0	5.3796	0.4	-0.9	5.3798	0.2	-0.7	5.3792	-0.6	-1.3
		5.5566	5.5567	0.9	0.1	5.5559	-0.8	-0.7	5.5557	-0.2	-0.9	5.5554	0.2	-1.2	5.5551	-0.3	-1.5	5.5549	-0.2	-1.7
	1	5.9025	5.9013	0.6	-1.2	5.9009	-0.4	-1.6	5.9009	0	-1.6	5.9003	0.3	-2.2	5.9005	0.2	-2	5.9006	0.1	-1.9
		5.9393	5.9379	0.2	-1.4	5.9369	-1	-2.4	5.9369	0	-2.4	5.938	0.6	-1.3	5.9372	-0.8	-2.1	5.9368	-0.4	-2.5
		6.4338	6.4327	0.4	-1.1	6.4327	0	-1.1	6.4334	0.7	-0.4	6.4305	-0.7	-3.3	6.432	1.5	-1.8	6.4322	0.2	-1.6
	Alert 6mm	6.0726	6.0716	0.8	-1	6.0719	0.3	-0.7	6.0719	0	-0.7	6.0706	-0.7	-2	6.0695	-1.1	-3.1	6.0695	0	-3.1
	Action 8mm Alarm 10mm	6.1113																		
pe 2)	Alailli lollilli																			
		6.3757	6.3742	-0.1	-1.5	6.3752	1	-0.5	6.3752	0	-0.5	6.3729	-0.2	-2.8	6.3731	0.2	-2.6	6.3734	0.3	-2.3
		6.1897	6.1896	1.2	-0.1	6.1892	-0.4	-0.5	6.1892	0	-0.5	6.1879	-0.5	-1.8	6.1886	0.7	-1.1	6.1882	-0.4	-1.5
30		5.4453	5.4347	0.9	-10.6	5.4351	0.5	-10.2	5.4354	1.2	-9.9	5.435	-0.2	-10.3	5.4352	0.4	-10.1	5.4356	0.8	-9.7
		5.4431	5.4432	0.6	0.1	5.4439	0.7	0.8	5.4439	0	0.8	5.4441	0.1	1	5.444	-0.1	0.9	5.4441	0.1	1
		5.4953	5.4953	-0.3	0	5.4957	0.4	0.4	5.4958	0.1	0.5	5.4979	1	2.6	5.4971	-0.8	1.8	5.497	-0.1	1.7
		4.9788 5.1841	4.98	0.5	1.2			-1.7	 5 1000					1	4.9789 5.1849	-0.6	0.1			1
30			5.1821	-1.7 -0.3	-2	5.1824 5.954	0.3	-1.7	5.1828 5.9553	0.4	-1.3	5.1851 5.9576	0.9	2.7		-0.2 -0.5	0.8 2.2	5.1851 5.9569	0.2 -0.2	2
30	1	5.9549 5.9508	5.9535 5.9507	0.1	-1.4 -0.1	5.9504	-0.3	-0.9	5.9507	1.3 0.3	0.4 -0.1	5.9516	-0.6	0.8	5.9571 5.951	-0.6	0.2	5.9511	0.1	0.3
30		5.6602	5.6576	-1.4	-0.1	5.6574	-0.3	-0.4	5.6585	1.1	-0.1	5.6627	-0.6	2.5	5.6619	-0.8	1.7	5.6615		
30	1	5.6691	5.6667	-1.4	-2.6	5.6668	0.1	-2.8	5.6668	0	-1.7	5.6695	-0.6	0.4	5.6691	-0.4	0	5.6689	-0.4 -0.2	1.3 -0.2
	†	5.0091	5.0007	-1.4	-2.4	5.0008	0.1	-2.3	5.0008	0	-2.3	5.0095	-0.6	0.4	5.0091	-0.4	0	5.0069	-0.2	-0.2
																				1
	†	6.4049																		
		6.405																-		
		6.4559																-		
		6.5379																		
		5.9677																		
_	Alert 12mm	5.9942																		
8	Action 18mm	5.758	5.7548	-0.8	-3.2	5.7552	0.4	-2.8	5.7565	1.3 0.7	-1.5	5.7564	0.7 1.4	-1.6 -1.7	5.7568	0.4	-1.2	5.7571	0.3	-0.9
6	Alarm 25mm	5.7943 5.7915	5.7914	-0.4	-2.9 -3.7	5.7916 5.7879	0.2	-2.7 -3.6	5.7923 5.7871	-0.8	-2 -4.4	5.7926 5.7884		-1.7	5.793 5.7887	0.4	-1.3 -2.8	5.7934 5.7889	0.4	-0.9 -2.6
0	1	5.8318	5.7878 5.8308	-0.4 -1	-3.7 -1	5.8306	-0.2	-3.6	5.8303	-0.8	-4.4 -1.5	5.7884	0.5	-3.1	5.7667	-0.4	0.3	5.832	-0.1	0.2
4	1	5.7139	5.7118	-0.6	-2.1	5.712	0.2	-1.2	5.6303	0.4	-1.5	5.7132	-0.6	-0.7	5.7135	0.3	-0.4	5.7134	-0.1	-0.5
13	-	5.6902	5.6907	0.4	0.5	5.6904	-0.3	0.2	5.6907	0.4	0.5	5.692	0.2	1.8	5.6915	-0.5	1.3	5.6911	-0.1	0.9
				0.4				0.2			0.5		0.2	0.1	5.1133	-0.3	-0.2	5.0911	-0.4	0.5
\leftarrow	$\chi \chi \chi \chi$	5.112 5 5.036	5.0364	~ ¹		5.1146	~3 0.6		5.1137 5.0361	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		5.1136 5.0344	₹ -0.1 ↑		5.0355	71.1	7-0K	5.0359	7 0.4	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-	+	N/A	<0.51			0.78			0.53			<0.51			<0.51			<0.51		+
2	†	N/A	0.65			0.78			0.52			1.45		+	0.56			0.52		+
	†	N/A	<0.51			0.67			<0.51			<0.51		+	0.53			<0.51		+
	†	N/A	<0.51			0.55		K	<0.51			<0.51		+	<0.51			0.54		+
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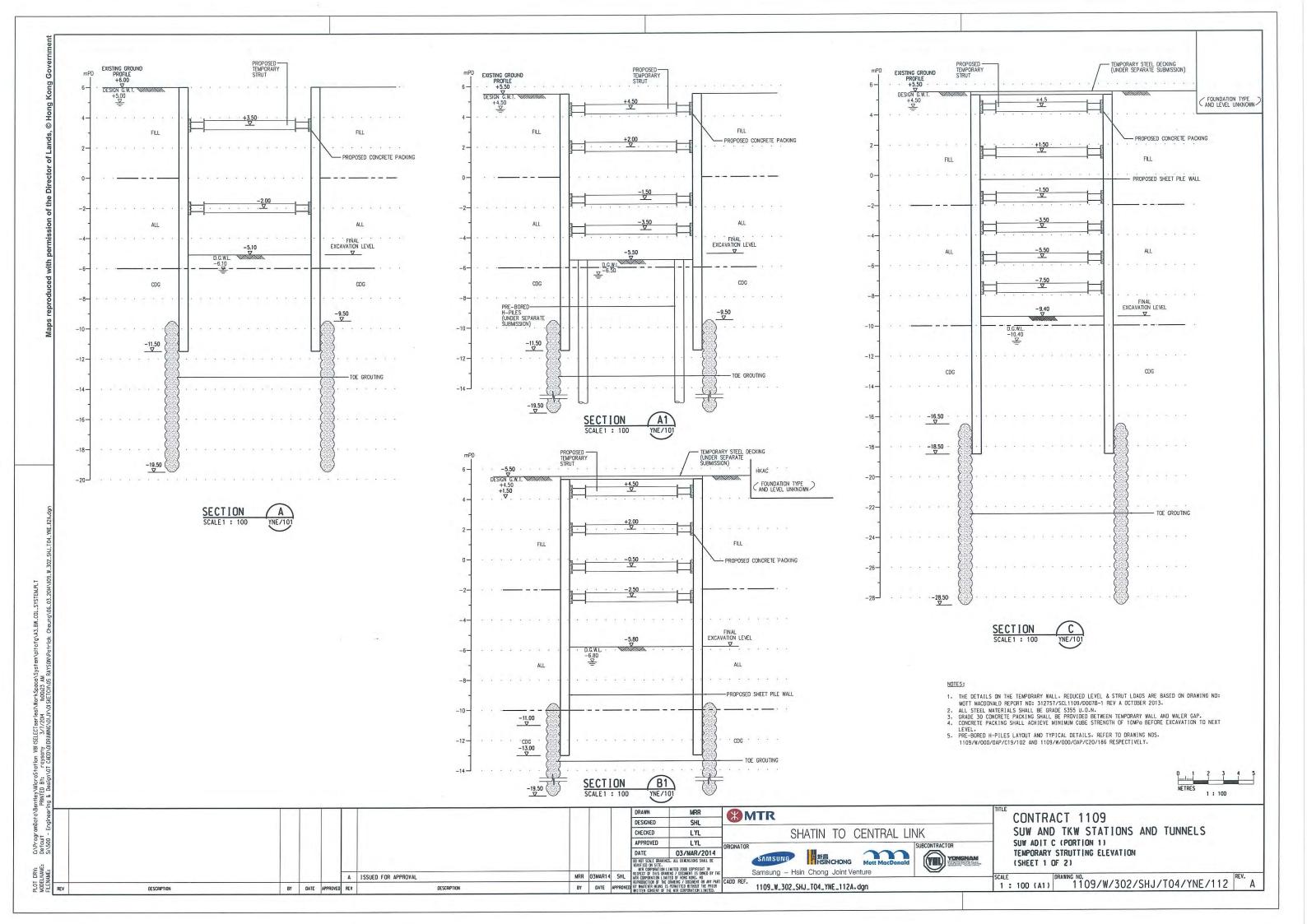
Vibration Monitoring

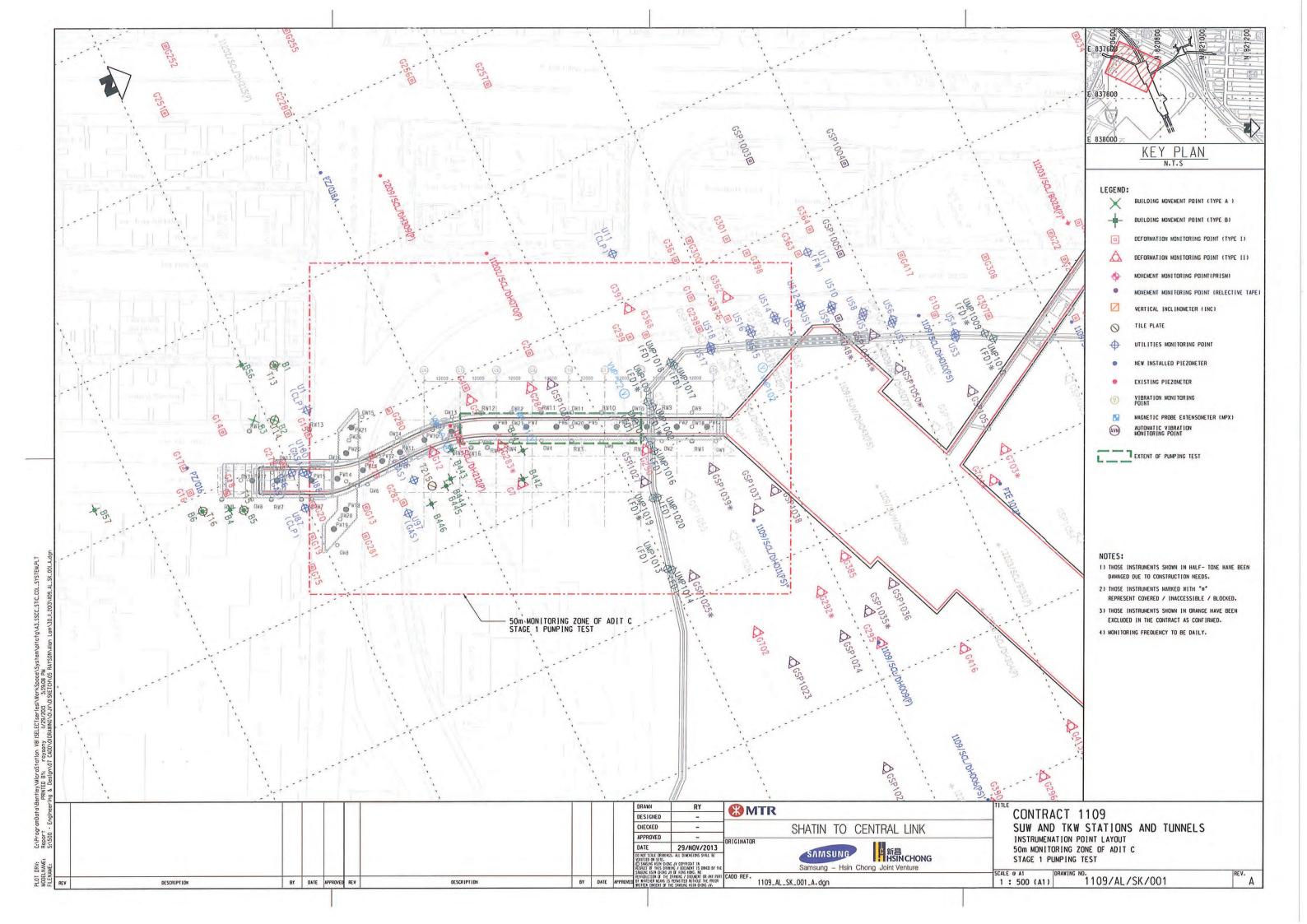
SUW Adi	C Mo	nitoring	Summ	ary

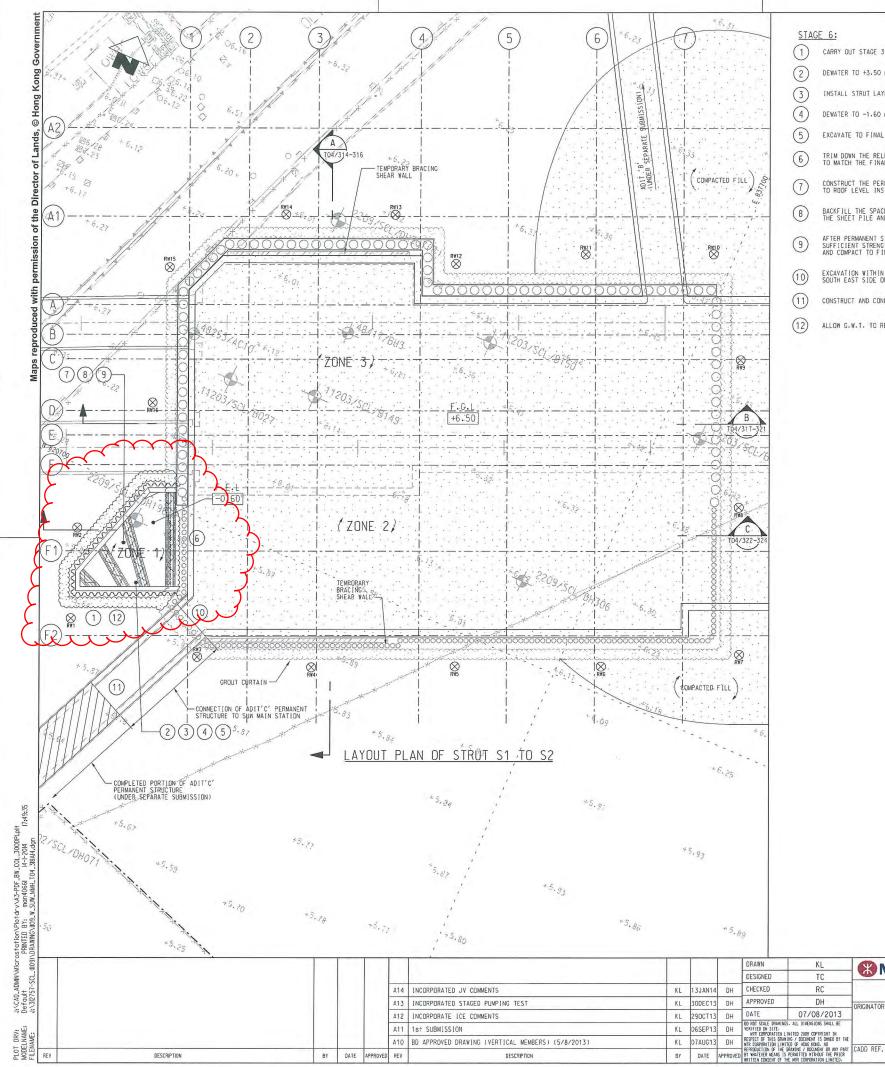
		1-八月-13					2-八月-13			3-八月-13		5-八月-13			6-八月-13			19-十月-13		
	AAA Value	Initial Reading (mPD)	Reading (mPD)	Movement from previous (mm)	Cummulative Settlement (mm)	Reading (mPD)	Movement from previous (mm)	Cummulative Settlement (mm)	Reading (mPD)	Movement from previous (mm)	Cummulative Settlement (mm)	Reading (mPD)	Movement from previous (mm)	Cummulative Settlement (mm)	Reading (mPD)	Movement from previous (mm)	Cummulative Settlement (mm)	Reading (mPD)	Movement from previous (mm)	Cummu
(Type B)																				
i		5.4512	5.4512	0.5	0	5.4506	-0.6	-0.6	5.4501	-0.5	-1.1	5.4511	1	-0.1	5.4514	0.3	0.2	5.4511	-0.5	-0.
		5.7025	5.7027	-0.2	0.2	5.703	0.3	0.5	5.7031	0.1	0.6	5.7029	-0.2	0.4	5.7028	-0.1	0.3	5.7021	-0.5	-0
		5.4189	5.4184	0.3	-0.5	5.4181	-0.3	-0.8	5.4177	-0.4	-1.2	5.4184	0.7	-0.5	5.419	0.6	0.1	5.4182	-0.6	-(
	Alert 12mm	5.4413	5.4396	0.6	-1.7	5.4384	-1.2	-2.9	5.4379	-0.5	-3.4	5.4386	0.7	-2.7	5.439	0.4	-2.3	5.4392	0.2	-2
	Action 18mm	5.4482	5.4476	-0.6	-0.6	5.4472	-0.4	-1	5.4469	-0.3	-1.3	5.4479	1	-0.3	5.4485	0.6	0.3	5.4481	-0.6	-1
Type 1)	Alarm 25mm	5.4446	5.4416	0.4	-3	5.4427	1.1	-1.9	5.442	-0.7	-2.6	5.4418	-0.2	-2.8	5.4416	-0.2	-3	5.4412	0.1	-1
		4.9788													4.9778	-1.7	-1			
		5.0134													5.0133	0.3	-0.1			
		5.057													5.0571	-0.6	0.1			
		5.529	5.5284	-0.4	-0.6	5.5293	0.9	0.3	5.5279	-1.4	-1.1	5.5278	-0.1	-1.2	5.5285	0.7	-0.5	5.5291	-0.2	
		5.4846	5.4856	0.2	1	5.4843	-1.3	-0.3	5.4836	-0.7	-1	5.4838	0.2	-0.8	5.4839	0.1	-0.7	5.4847	0.6	
		5.705	5.704	-1.3	-1	5.7029	-1.1	-2.1	5.7031	0.2	-1.9	5.7045	1.4	-0.5	5.7044	-0.1	-0.6	5.7057	0.6	
		5.0831	5.0832	-0.7	0.1	5.0831	-0.1	0	5.0828	-0.3	-0.3	5.0822	-0.6	-0.9	5.0827	0.5	-0.4	5.0839	0.9	
		5.856	5.8564	-0.2	0.4	5.8554	-1	-0.6	5.8544	-1	-1.6	5.854	-0.4	-2	5.8552	1.2	-0.8	5.8561	-0.1	
		5.3805	5.3808	0	0.3	5.3807	-0.1	0.2	5.3805	-0.2	0	5.3801	-0.4	-0.4	5.3791	-1	-1.4	5.3793	0.2	
		5.5566	5.557	0.4	0.4	5.5569	-0.1	0.3	5.5573	0.4	0.7	5.5578	0.5	1.2	5.5564	-1.4	-0.2	5.5544	-0.3	
		5.9025	5.9028	-1.1	0.3	5.9025	-0.3	0	5.9029	0.4	0.4	5.9023	-0.6	-0.2	5.9011	-1.2	-1.4	5.9	0.2	
		5.9393	5.939	0.9	-0.3	5.9395	0.5	0.2	5.939	-0.5	-0.3	5.9382	-0.8	-1.1	5.9375	-0.7	-1.8	5.9377	0.2	
		6.4338	6.4334	0.3	-0.4	6.4331	-0.3	-0.7	6.433	-0.1	-0.8	6.4323	-0.7	-1.5	6.4316	-0.7	-2.2	6.4317	0	
	Alert 6mm	6.0726	6.0725	-0.8	-0.1	6.0732	0.7	0.6	6.0729	-0.3	0.3	6.072	-0.9	-0.6	6.071	-1	-1.6	6.0688	-0.2	
	Action 8mm Alarm 10mm	6.1113	6.1114	-0.4	0.1	6.1116	0.2	0.3	6.1119	0.3	0.6	6.1115	-0.4	0.2	6.1106	-0.9	-0.7	6.1096	-0.1	
ype 2)	Alailli IVIIIII																			
		6.3757	6.3747	-0.6	-1	6.3751	0.4	-0.6	6.374	-1.1	-1.7	6.3741	0.1	-1.6	6.3735	-0.6	-2.2			
		6.1897	6.1889	0.2	-0.8	6.1887	-0.2	-1	6.1885	-0.2	-1.2	6.1887	0.2	-1	6.1887	0	-1	6.1894	-0.3	
10		5.4453										5.4351	-0.9	-10.2	5.4341	-1	-11.2	5.4348	-0.1	
		5.4431	5.4434	-0.3	0.3	5.4446	1.2	1.5	5.4441	-0.5	1	5.4437	-0.4	0.6	5.444	0.3	0.9			
		5.4953	5.4947	-0.6	-0.6	5.4933	-1.4	-2	5.4936	0.3	-1.7	5.494	0.4	-1.3	5.4941	0.1	-1.2	5.4944	-0.2	
		4.9788													4.9778	-1.7	-1			
•		5.1841																5.1853	0.4	
0		5.9549																	-	
		5.9508	5.9477	-0.5	-3.1	5.948	0.3	-2.8	5.9483	0.3	-2.5	5.9486	0.3	-2.2						
0		5.6602 5.6691	5.659 5.6695	-0.4 -0.2	-1.2 0.4	5.6585 5.6693	-0.5 -0.2	-1.7 0.2	5.6581 5.6683	-0.4 -1	-2.1 -0.8	5.6575 5.6666	-0.6 -1.7	-2.7 -2.5	5.6576 5.6654	0.1 -1.2	-2.6 -3.7	5.66	0.2	
		6.4049																6.4024	-0.4	
		6.405																6.4021	-1	
		6.4559										-						6.4534	-1	
		6.5379			-						-	-	-		-			6.5354	-1	
		5.9677										-						5.9642	-1.3	
	Alert 12mm	5.9942									-							5.9917	-0.5	
'	Action 18mm	5.758	5.758	0.8	0	5.7571	-0.9	-0.9	5.7574	0.3	-0.6	5.7556	-1.8	-2.4	5.7546	-1	-3.4		-	
3	Alarm 25mm	5.7943	5.7934	0.2	-0.9	5.7939	0.5	-0.4	5.7942	0.3	-0.1	5.7928	-1.4	-1.5	5.7916	-1.2	-2.7		-	
3		5.7915	5.789	0.3	-2.5	5.7903	1.3	-1.2	5.7911	0.8	-0.4	5.7888	-2.3	-2.7	5.7883	-0.5	-3.2			1
)		5.8318	5.8323	-0.4	0.5	5.8309	-1.4	-0.9	5.8307	-0.2	-1.1	5.8289	-1.8	-2.9	5.8289	0	-2.9	5.8317	0.3	1
1		5.7139	5.7134	-0.7	-0.5	5.7133	-0.1	-0.6	5.7133	0	-0.6	5.7128	-0.5	-1.1	5.7118	-1	-2.1	5.7132	-0.4	
3		5.6902	5.6886	-0.7	-1.6	5.69	1.4	-0.2	5.69	0	-0.2	5.6886	-1.4	-1.6	5.6875	-1.1	-2.7	5.69	0.3	
		5,1135 5.086	5.1142 5.0364	70.7 0.7	0.7	5.1131 5.0361	7-0.3 -0.3	0.4	5.1135 5.0365	0.4		5.1134 5.0358	-0.7 -0.7	-0.1	5.1135 5.0353	0.1		5.1137 5.0356	0.5	\sim
		N/A	<0.51			<0.51			0.67			0.57			<0.51			0.89		
		N/A	<0.51			<0.51		1	0.82			2.27		1	<0.51	1		1.12		
		N/A	<0.51			0.52			<0.51			1.94			<0.51	1		1.45		
		N/A	0.56			<0.51	_	1	0.71			1.77			0.98			0.67		
				1				<u>u</u> -					+	1		1	-			+

Vibration Monitoring









DESCRIPTION

STAGE 6:

- CARRY DUT STAGE 3 PUMPING TEST WITHIN ZONE 1.
- DEWATER TO +3.50 mPD WITHIN ZONE 1. EXCAVATE TO +4.5 mPD WITHIN ZONE 1.
- INSTALL STRUT LAYER S1 AT +5.50 mPD WITHIN ZONE 1.
- DEWATER TO -1.60 mPD WITHIN ZONE 1.
- EXCAVATE TO FINAL EXCAVATION LEVEL AT -0.6 mPD WITHIN ZONE 1.
- TRIM DOWN THE RELEVANT PIPE PILE/BORE PILE WALL WITHIN ZONE 1 TO MATCH THE FINAL EXCAVATION LEVEL OF -0.6 mPD.
- CONSTRUCT THE PERMANENT STRUCTURE WITH WATERPROOFING TO ROOF LEVEL INSIDE OF ZONE 1.
- BACKFILL THE SPACE BETWEEN THE PERMANENT STRUCTURE AND THE SHEET PILE AND PIPE PILE WALL BY MASS CONCRETE AT ZONE 1.
- AFTER PERMANENT STRUCTURE CONCRETE INSIDE ZONE 1 HAS GAINED SUFFICIENT STRENGTH(45MPa). REMOVE STRUT LAYER S1 AND BACKFILL AND COMPACT TO FINAL GROUND LEVEL.
- EXCAVATION WITHIN ADIT'C' COFFERDAM AND TRIM PIPE PILES AT SOUTH EAST SIDE OF SUW COFFERDAM TO MATCH WITH ADIT'C' FORMATION LEVEL-
- CONSTRUCT AND CONNECT ADIT'B' PERMANENT STRUCTURE TO SUW MAIN STATION.
- (12) ALLOW C.W.T. TO RECHARGE TO INITIAL LEVELS.



- 1. GENERAL NOTES AND TYPICAL DETAILS SHALL REFER TO DRAWING NOS. 1109/W/SUW/MMH/C01/301 TO 303, 1109/W/SUW/MMH/T04/351 TO 355 AND 361 TO 372.
- 2. ELS DEVELOPED WALL ELEVATION SHALL REFER TO DRAWING NOS. 1109/W/SUW/MMH/TD4/311 TO 312.
- 3. SETTING OUT OF PILE WALL SHALL REFER TO DRAWING NO. 1109/W/SUW/MMH/T04/304.
- 4. PRELOAD SCHEDULE ON DRAWING 1109/W/SUW/MMH/T04/360.
- NOTES ON GROUNDWATER RECHARGE:
- 1. IN THE EVENT THAT THE GROUNDWATER LEVEL IS FOUND TO BE LOWER THAN IN BELOW THE DESIGN LOWEST GROUNDWATER LEVEL. RECHAPEC WELLS SHALL BE INSTALLED TO RESTORE THE ORGINAL GROUNDWATER LEVEL.
- IF GROUNDWATER RECHARGE IS TO BE CARRIED OUT TO MAINTAIN THE SPECIFIED GROUNDWATER LEVELS AT ANY LOCATION, THE GROUNDWATER RECHARGE SYSTEM SHALL HAVE THE MEANS TO REGULATE AND MEASURE THE RATE OF RECHARGE AND TO PROVIDE AN ADEQUATE CONTINUOUS SUPPLY OF WATER FOR RECHARGE.

LEGEND: ~~~

SHEET PILE (TYPE IV)

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1200mm DIA. AT 1700 c/c MAX BORED PILE WALL

000000

610mm D[A. 12.5mm THK. PIPE P[LE WALL

-13.50 FORMATION LEVEL

EXISTING GROUND LEVEL

KING POST

MTR SCL GI STATION (2003)

SCL PRELIMINARY DESIGN PHASE GI STATION (2009)

11202/SCL/DH216 SCL DETAILED DESIGN PHASE GI STATION (2010)

T SD349\AB9-BHS

GAZETTE BOUNDARY (FOR INFORMATION ONLY)

GROUT CURTAIN WALL / TOE GROUTING

BRACING SHEAR WALL

PROPOSED RECHARGE WELL

A14

SHATIN TO CENTRAL LINK



1109_W_SUW_MMH_T04_318A14.dgn

MTR



SUW AND TKW STATIONS AND TUNNELS SUNG WONG TOI STATION CONSTRUCTION SEQUENCE PLAN (SHEET 6 OF 6)

CONTRACT 1109

1109/W/SUW/MMH/T04/318

