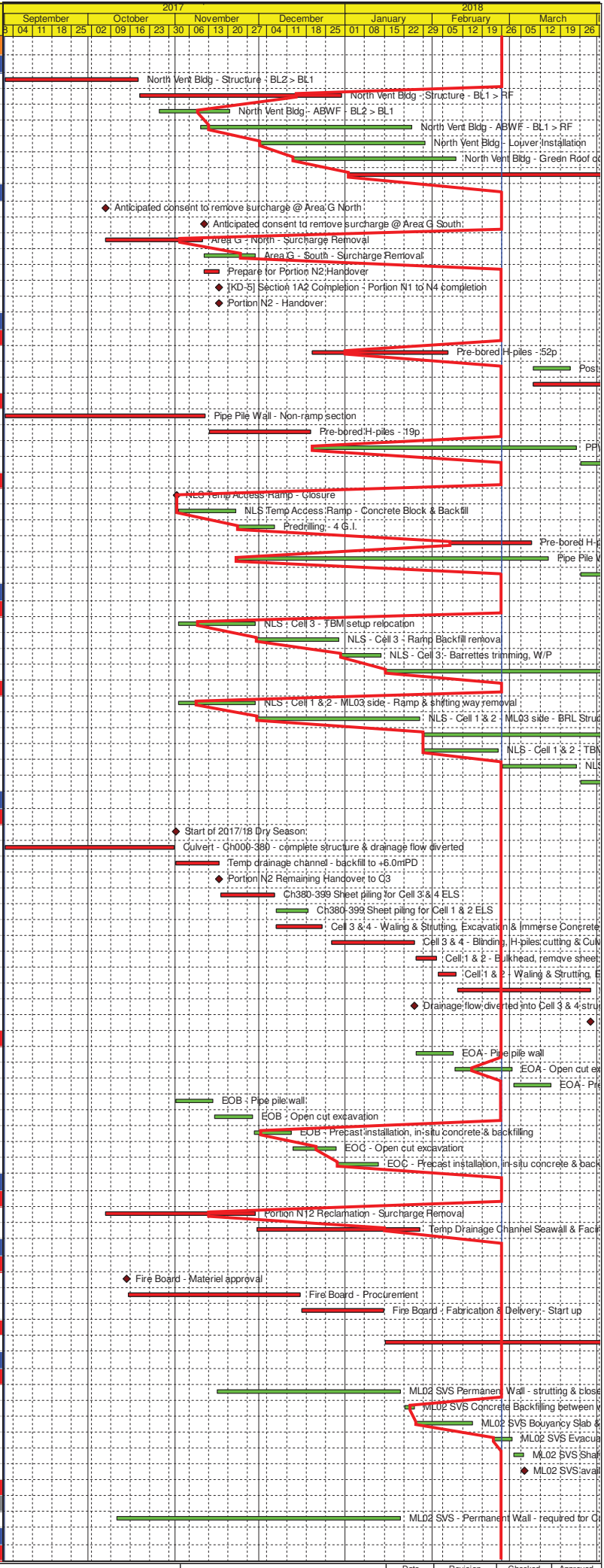
#	Activity Name	Orig Dur	Start	Finish	Remaining Float
1	**TMCLKL Northern Connection Sub-sea Tunnel Section**				
2	**North Ventilation Building**				
3	North Vent Bldg - Structure - BL2 > BL1	39	01-Sep-17*	18-Oct-17	0
4	North Vent Bldg - Structure - BL1 > RF	60	19-Oct-17	30-Dec-17	0
5	North Vent Bldg - ABWF - BL2 > BL1	21	26-Oct-17	20-Nov-17	60
6	North Vent Bldg - ABWF - BL1 > RF	62	10-Nov-17	24-Jan-18	60
7	North Vent Bldg - Louver Installation	48	01-Dec-17	29-Jan-18	56
8	North Vent Bldg - Green Roof construction	48	13-Dec-17	09-Feb-18	46
9	North Vent Bldg - Rood Steel Structure	80	02-Jan-18	16-Apr-18	0
10	**North - Phase 2 Reclamation**				
11	Anticipated consent to remove surcharge @ Area G North	0	07-Oct-17*		0
12	Anticipated consent to remove surcharge @ Area G South	0	11-Nov-17*		17
13	Area G - North - Surcharge Removal	29	07-Oct-17	10-Nov-17	0
14	Area G - South - Surcharge Removal	16	11-Nov-17	29-Nov-17	17
15	Prepare for Portion N2 Handover	5	11-Nov-17	16-Nov-17	0
16	[KD-5] Section 1A2 Completion - Portion N1 to N4 completion	0		16-Nov-17*	0
17	Portion N2 - Handover	0		16-Nov-17	1020
18	**North Approach Ramp**				
19	**Portion N12 Section**				
20	Pre-bored H-piles - 52p	39	20-Dec-17	06-Feb-18	0
21	Post-drilling after grout strength gain (2p)	12	09-Mar-18	22-Mar-18	12
22	Pile Load Test Process (83p * 1% = 1p)	24	09-Mar-18	10-Apr-18	0
23	**Non-Access Ramp Section**				
24	Pipe Pile Wall - Non-ramp section	59	01-Sep-17*	11-Nov-17	0
25	Pre-bored H-piles - 19p	32	13-Nov-17	19-Dec-17	0
26	PPW - TAM Grouting - Non-ramp section	73	20-Dec-17	24-Mar-18	219
27	Sheet Piles installation	16	26-Mar-18	17-Apr-18	237
28	**Access Ramp Section**				
29	NLS Temp Access Ramp - Closure	0		01-Nov-17*	0
30	NLS Temp Access Ramp - Concrete Block & Backfill	18	02-Nov-17	22-Nov-17	50
31	Predrilling - 4 G.I.	12	23-Nov-17	06-Dec-17	50
32	Pre-bored H-piles - 12p	20	07-Feb-18	08-Mar-18	0
33	Pipe Pile Wall - Access Ramp Section	87	23-Nov-17	14-Mar-18	228
34	PPW - TAM Grouting	34	26-Mar-18	09-May-18	219
35	**North Launching Shaft**				
36	**Cell 3**				
37	NLS - Cell 3 - TBM setup relocation	24	02-Nov-17	29-Nov-17	247
38	NLS - Cell 3 - Ramp Backfill removal	24	30-Nov-17	29-Dec-17	247
39	NLS - Cell 3 - Barrettes trimming, W/P	12	30-Dec-17	13-Jan-18	247
40	NLS - Cell 3 - Base slab, Wall & Top Slab	84	15-Jan-18	04-May-18	247
41	**Cell 1 & 2**				
42	NLS - Cell 1 & 2 - ML03 side - Ramp & shifting way removal	24	02-Nov-17	29-Nov-17	22
43	NLS - Cell 1 & 2 - ML03 side - BRL Structure	48	30-Nov-17	27-Jan-18	22
44	NLS - Cell 1 - ML03 - BRL+RL+TS+backfill both sides	72	29-Jan-18	04-May-18	97
45	NLS - Cell 1 & 2 - TBM setup relocation from ML02 to ML03	18	29-Jan-18	24-Feb-18	22
46	NLS - Cell 1 & 2 - ML02 side - Ramp & shifting way removal	24	26-Feb-18	24-Mar-18	22
47	NLS - Cell 1 & 2 - ML02 side - BRL Structure	48	26-Mar-18	26-May-18	22
48	**Box Culvert Extension**				
49	**Main Culvert Structure (Ch000-399)**				
50	Start of 2017/18 Dry Season	0	01-Nov-17*		0
51	Culvert - Ch000-380 - complete structure & drainage flow diverted	49	01-Sep-17*	31-Oct-17	0
52	Temp drainage channel - backfill to +6.0mPD	14	01-Nov-17	16-Nov-17	0
53	Portion N2 Remaining Handover to C3	0		16-Nov-17	0
54	Ch380-399 Sheet piling for Cell 3 & 4 ELS	17	17-Nov-17	06-Dec-17	0
55	Ch380-399 Sheet piling for Cell 1 & 2 ELS	10	07-Dec-17	18-Dec-17	37
56	Cell 3 & 4 - Waling & Strutting, Excavation & Immerse Concrete	15	07-Dec-17	23-Dec-17	0
57	Cell 3 & 4 - Blinding, H-piles cutting & Culvert Structure	25	27-Dec-17	25-Jan-18	0
58	Cell 1 & 2 - Bulkhead, remove sheet pile & drainage flow diverted	7	26-Jan-18	02-Feb-18	0
59	Cell 1 & 2 - Waling & Strutting, Excavation & Immerse Concrete	6	03-Feb-18	09-Feb-18	0
60	Cell 3 & 4 - Blinding, H-piles cutting & Culvert Structure	35	10-Feb-18	29-Mar-18	0
61	Drainage flow diverted into Cell 3 & 4 structure	0		25-Jan-18	0
62	Drainage flow diverted into 4 cells structure	0		29-Mar-18	0
63	**EOA/ EOB / EOC**				
64	EOA - Pipe pile wall	12	26-Jan-18	08-Feb-18	12
65	EOA - Open cut excavation	12	09-Feb-18	01-Mar-18	12
66	EOA - Precast installation, in-situ concrete & backfilling	12	02-Mar-18	15-Mar-18	12
67	EOB - Pipe pile wall	12	01-Nov-17	14-Nov-17	59
68	EOB - Open cut excavation	12	15-Nov-17	28-Nov-17	59
69	EOB - Precast installation, in-situ concrete & backfilling	12	29-Nov-17	12-Dec-17	59
70	EOC - Open cut excavation	12	13-Dec-17	28-Dec-17	59
71	EOC - Precast installation, in-situ concrete & backfilling	12	29-Dec-17	12-Jan-18	59
72	**NLF Demobilization & At-grade works**				
73	**Portion N12 & Portion N6B**				
74	Portion N12 Reclamation - Surcharge Removal	45	07-Oct-17*	29-Nov-17	0
75	Temp Drainage Channel Seawall & Facing Stone Coping Installation	48	30-Nov-17	27-Jan-18	0
76	**North Approach & Sub-sea Tunnel - Thermal Barrier**				
77	**Fire Board - Approval/Procurement/Delivery**				
78	Fire Board - Materiel approval	0		14-Oct-17*	0
79	Fire Board - Procurement	62	15-Oct-17	15-Dec-17	0
80	Fire Board - Fabrication & Delivery - Start up	30	16-Dec-17	14-Jan-18	0
81	**Fire board Installation below OHVD**				
82	Fire Board installation - TNA+NVS - below OHVD Slab	81	15-Jan-18	30-Apr-18	0
83	**ML02 South Ventilation Shaft**				
84	**Concrete Bell Options**				
85	ML02 SVS Permanent Wall - strutting & close opening	54	16-Nov-17	20-Jan-18	83
86	ML02 SVS Concrete Backfilling between walls	4	22-Jan-18	25-Jan-18	83
87	ML02 SVS Bouyancy Slab & concrete block	18	26-Jan-18	15-Feb-18	83
88	ML02 SVS Evacuation for Shaft Flooding	6	23-Feb-18	01-Mar-18	83
89	ML02 SVS Shaft Flooding	3	02-Mar-18	05-Mar-18	83
90	ML02 SVS available for S882 Crossing	0	06-Mar-18		83
91	**ML02 SVS Structure**				
92	**Tunnel Box**				
93	ML02 SVS - Permanent Wall - required for Concrete Bell	84	11-Oct-17	20-Jan-18	83
94	**ML03 South Ventilation Shaft**				
95	**Shaft Excavation Stage 1**				



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Data Date: 01-Sep-17

Project ID: DWPH0010

◆ Planned Milestone

Planned Bar

Concrete

TMCLK Northern Connection Sub-sea Tunnel Section

Detailed Works Programme Rev. H

Three Months Rolling Programme Progress as of 25 Feb 18

Dragages HongKong 香港寶嘉

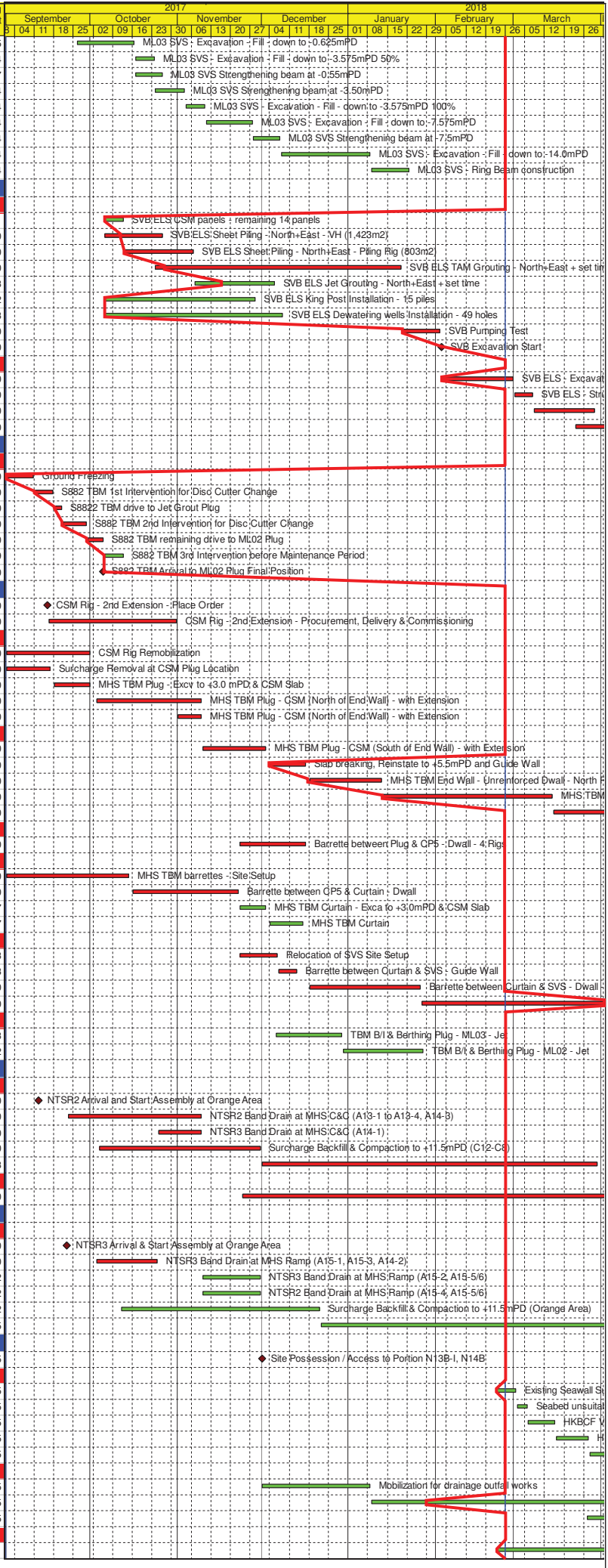
A member of the Bouygues Construction group

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

BOUYGUES TRAVAUX PUBLICS

Date	Revision	Checked	Approved
22Dec17	Rev. H	WYu	

#	Activity Name	Orig Dur	Start	Finish	Remaining Float
96	ML03 SVS - Excavation - Fill - down to -0.625mPD	16	26-Sep-17*	16-Oct-17	75
97	ML03 SVS - Excavation - Fill - down to -3.575mPD 50%	6	17-Oct-17	23-Oct-17	74
98	ML03 SVS Strengthening beam at -0.55mPD	9	17-Oct-17	26-Oct-17	1037
99	ML03 SVS Strengthening beam at -3.50mPD	9	24-Oct-17	03-Nov-17	74
100	ML03 SVS - Excavation - Fill - down to -3.575mPD 100%	6	04-Nov-17	10-Nov-17	74
101	ML03 SVS - Excavation - Fill - down to -7.575mPD	14	11-Nov-17	27-Nov-17	74
102	ML03 SVS Strengthening beam at -7.5mPD	9	28-Nov-17	07-Dec-17	74
103	ML03 SVS - Excavation - Fill - down to -14.0mPD	24	08-Dec-17	08-Jan-18	74
104	ML03 SVS - Ring Beam construction	12	09-Jan-18	22-Jan-18	74
105	**South Ventilation Building**				
106	**SVB Remaining ELS Scope after S882 Rescue**				
107	SVB ELS CSM panels - remaining 14 panels	6	06-Oct-17	12-Oct-17	81
108	SVB ELS Sheet Piling - North+East - VH (1,423m2)	18	06-Oct-17	26-Oct-17	0
109	SVB ELS Sheet Piling - North+East - Piling Rig (803m2)	20	13-Oct-17	06-Nov-17	0
110	SVB ELS TAM Grouting - North+East + set time	72	24-Oct-17	19-Jan-18	0
111	SVB ELS Jet Grouting - North+East + set time	25	07-Nov-17	05-Dec-17	53
112	SVB ELS King Post Installation - 15 piles	45	06-Oct-17	28-Nov-17	42
113	SVB ELS Dewatering wells Installation - 49 holes	54	06-Oct-17	08-Dec-17	33
114	SVB Pumping Test	12	20-Jan-18	02-Feb-18	0
115	SVB Excavation Start	0	03-Feb-18		0
116	**ELS**				
117	SVB ELS - Excavation - down to +2.5mPD	16	03-Feb-18*	28-Feb-18	0
118	SVB ELS - Strut layer S1 & Strengthening beam	6	01-Mar-18	07-Mar-18	0
119	SVB ELS - Excavation - down to -1.0mPD	19	08-Mar-18	29-Mar-18	0
120	SVB ELS - Strut layer S2 & Strengthening beam	21	23-Mar-18	20-Apr-18	0
121	**S882 TBM Rescue**				
122	**S882 TBM Rescue by Ground Freezing**				
123	Ground Freezing	10	01-Sep-17*	10-Sep-17	0
124	S882 TBM 1st Intervention for Disc Cutter Change	7	11-Sep-17	17-Sep-17	0
125	S8822 TBM drive to Jet Grout Plug	3	18-Sep-17	20-Sep-17	0
126	S882 TBM 2nd Intervention for Disc Cutter Change	9	21-Sep-17	29-Sep-17	0
127	S882 TBM remaining drive to ML02 Plug	6	30-Sep-17	05-Oct-17	0
128	S882 TBM 3rd Intervention before Maintenance Period	7	06-Oct-17	12-Oct-17	249
129	S882 TBM Arrival to ML02 Plug Final Position	0		05-Oct-17	0
130	**MHS TBM Treatment & Plug**				
131	CSM Rig - 2nd Extension - Place Order	0		15-Sep-17*	0
132	CSM Rig - 2nd Extension - Procurement, Delivery & Commissioning	36	16-Sep-17	31-Oct-17	0
133	**MHS TBM plug**				
134	CSM Rig Remobilization	26	01-Sep-17	30-Sep-17	0
135	Surcharge Removal at CSM Plug Location	14	01-Sep-17	16-Sep-17	0
136	MHS TBM Plug - Excv to +3.0 mPD & CSM Slab	12	18-Sep-17*	30-Sep-17	0
137	MHS TBM Plug - CSM (North of End Wall) - with Extension	31	03-Oct-17	09-Nov-17	0
138	MHS TBM Plug - CSM (North of End Wall) - with Extension	8	01-Nov-17	09-Nov-17	0
139	**MHS C&C End Wall**				
140	MHS TBM Plug - CSM (South of End Wall) - with Extension	20	10-Nov-17	02-Dec-17	0
141	Slab breaking, Reinstate to +5.5mPD and Guide Wall	12	04-Dec-17	16-Dec-17	0
142	MHS TBM End Wall - Unreinforced Dwall - North Row	20	18-Dec-17	12-Jan-18	0
143	MHS TBM End Wall - Reinforced Dwall - South Row	46	13-Jan-18	14-Mar-18	0
144	MHS TBM End Wall - Unreinforced Dwall - Middle Row	20	15-Mar-18	11-Apr-18	0
145	**Barrette between Plug & CP5**				
146	Barrette between Plug & CP5 - Dwall - 4 Rigs	21	23-Nov-17	16-Dec-17	0
147	**Barrette beween CP5 & TBM Curtain**				
148	MHS TBM barrettes - Site Setup	36	01-Sep-17*	14-Oct-17	0
149	Barrette between CP5 & Curtain - Dwall	32	16-Oct-17*	22-Nov-17	0
150	MHS TBM Curtain - Exca to +3.0mPD & CSM Slab	9	23-Nov-17	02-Dec-17	87
151	MHS TBM Curtain	11	04-Dec-17	15-Dec-17	87
152	**Barrette between Curtain & SVS**				
153	Relocation of SVS Site Setup	12	23-Nov-17	06-Dec-17	3
154	Barrette between Curtain & SVS - Guide Wall	6	07-Dec-17	13-Dec-17	3
155	Barrette between Curtain & SVS - Dwall - ML03	32	18-Dec-17	26-Jan-18	0
156	Barrette between Curtain & SVS - Dwall - ML02	48	27-Jan-18	03-Apr-18	0
157	**Jet Columns for TBM B/I & Berthing at SVS**				
158	TBM B/I & Berthing Plug - ML03 - Jet	19	06-Dec-17*	29-Dec-17	53
159	TBM B/I & Berthing Plug - ML02 - Jet	24	30-Dec-17	27-Jan-18	92
160	**MHS Cut-and-cover Tunnel**				
161	**MHS C&C Band Drain, Surcharge & Dwall**				
162	NTSR2 Arrival and Start Assembly at Orange Area	0		12-Sep-17*	0
163	NTSR2 Band Drain at MHS C&C (A13-1 to A13-4, A14-3)	38	23-Sep-17	09-Nov-17	0
164	NTSR3 Band Drain at MHS C&C (A14-1)	13	25-Oct-17	09-Nov-17	0
165	Surcharge Backfill & Compaction to +11.5mPD (C12-C8)	48	04-Oct-17	30-Nov-17	0
166	4 months Consolidation Period (C12-C8)	120	01-Dec-17	30-Mar-18	3
167	**MHS C&C Dwall**				
168	MHS C&C Dwall (Cell 08 to Cell 01)	305	24-Nov-17	07-Dec-18	0
169	**MHS Approach Ramp**				
170	**Band Drain & Surcharge**				
171	NTSR3 Arrival & Start Assembly at Orange Area	0		22-Sep-17*	0
172	NTSR3 Band Drain at MHS Ramp (A15-1, A15-3, A14-2)	18	03-Oct-17	24-Oct-17	0
173	NTSR3 Band Drain at MHS Ramp (A15-2, A15-5/6)	18	10-Nov-17	30-Nov-17	142
174	NTSR2 Band Drain at MHS Ramp (A15-4, A15-5/6)	18	10-Nov-17	30-Nov-17	142
175	Surcharge Backfill & Compaction to +11.5mPD (Orange Area)	60	12-Oct-17	21-Dec-17	142
176	4 months Consolidation Period (Orange Area)	120	22-Dec-17	20-Apr-18	185
177	**Southern Landfall - Surface**				
178	Site Possession / Access to Portion N13B-I, N14B	0	01-Dec-17*		25
179	**HKBCF Seawall Modification**				
180	Existing Seawall Survey at Vertical Seawall	6	23-Feb-18*	01-Mar-18	25
181	Seabed unsuitable material removal	3	02-Mar-18	05-Mar-18	25
182	HKBCF Vertical Seawall - place Rock underlayer bottom	9	06-Mar-18	15-Mar-18	25
183	HKBCF Vertical Seawall - place Rock Grade 400	10	16-Mar-18	27-Mar-18	25
184	HKBCF Vertical Seawall - place Rock underlayer upper	9	28-Mar-18	11-Apr-18	25
185	**Drainage Outfall**				
186	Mobilization for drainage outfall works	30	01-Dec-17	08-Jan-18	25
187	SLF Drainage Outfall - No. 1,3-5, 8 & 9	72	09-Jan-18	13-Apr-18	25
188	SLF Drainage Outfall - No. 7	24	27-Mar-18	27-Apr-18	25
189	**Retaining Wall Interface with C1**				
190	Retaining Wall - Excv, Footing & Reinstate to +5.5mPD	48	23-Feb-18*	24-Apr-18	31



Data Date: 01-Sep-17

Project ID: DWPH0010

Planned Milestone
Planned Bar
Concrete

TMCLK Northern Connection Sub-sea Tunnel Section

Detailed Works Programme Rev. H

Three Months Rolling Programme Progress as of 25 Feb 18

Dragages HongKong 香港寶嘉

A member of the Bouygues Construction group

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

BOUYGUES TRAVAUX PUBLICS

Date	Revision	Checked	Approved
22Dec17	Rev. H	WYu	