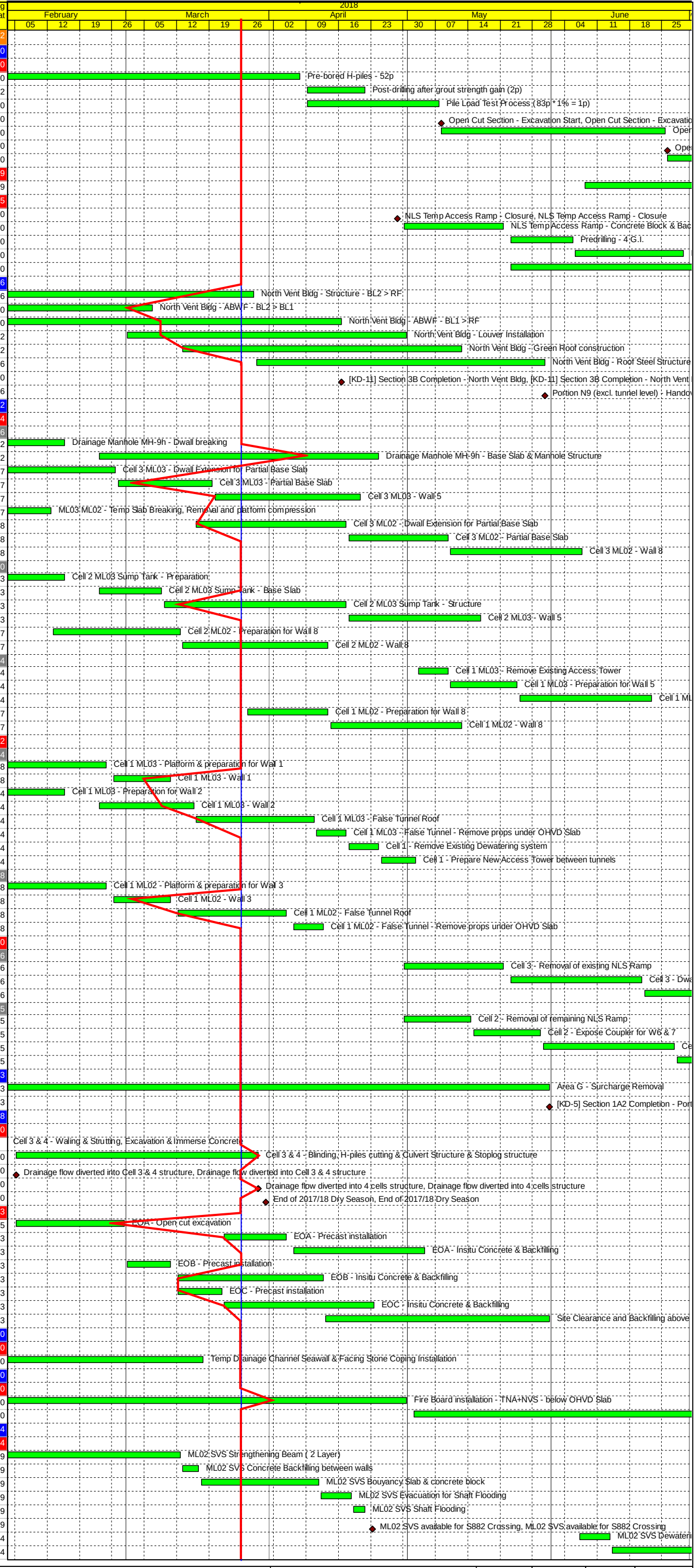
Activity Name	Dur	Start	Finish	Remaining Float
TMCLKL Northern Connection Sub-sea Tunnel Section	253	01-Sep-17 A	15-Dec-18	402
North Approach Ramp	192	22-Jan-18 A	04-Oct-18	10
Portion N12 Section	192	22-Jan-18 A	04-Oct-18	0
Pre-bored H-piles - 52p	39	22-Jan-18 A	07-Apr-18	0
Post-drilling after grout strength gain (2p)	12	09-Apr-18	21-Apr-18	12
Pile Load Test Process (83p * 1% = 1p)	24	09-Apr-18	07-May-18	0
Open Cut Section - Excavation Start	0	08-May-18		0
Open Cut Excavation - 24,000m3	40	08-May-18	25-Jun-18	0
Open Cut Section - Structure Start	0	26-Jun-18		0
Open cut Section - Ramp Structure	84	26-Jun-18	04-Oct-18	0
Non-Access Ramp Section	73	08-Jun-18	03-Sep-18	19
PPW - TAM Grouting - Non-ramp section	73	08-Jun-18	03-Sep-18	19
Access Ramp Section	105	28-Apr-18	03-Sep-18	35
NLS Temp Access Ramp - Closure	0		28-Apr-18	0
NLS Temp Access Ramp - Concrete Block & Backfill	18	30-Apr-18	21-May-18	0
Predrilling - 4 G.I.	12	23-May-18	05-Jun-18	90
Pre-bored H-piles - 12p	20	06-Jun-18	29-Jun-18	90
Pipe Pile Wall - Access Ramp Section	87	23-May-18	03-Sep-18	0
North Ventilation Building	99	01-Sep-17 A	30-May-18	-36
North Vent Bldg - Structure - BL2 > RF	60	01-Sep-17 A	28-Mar-18	-36
North Vent Bldg - ABWF - BL2 > BL1	21	27-Dec-17 A	06-Mar-18	0
North Vent Bldg - ABWF - BL1 > RF	62	31-Jan-18 A	16-Apr-18	0
North Vent Bldg - Louver Installation	48	01-Mar-18	30-Apr-18	-12
North Vent Bldg - Green Roof construction	48	13-Mar-18	12-May-18	-22
North Vent Bldg - Roof Steel Structure	48	29-Mar-18	30-May-18	-36
[KD-11] Section 3B Completion - North Vent Bldg	0		16-Apr-18*	0
Portion N9 (excl. tunnel level) - Handover	0		30-May-18*	-36
North Launching Shaft	128	23-Jan-18 A	19-Jul-18	62
NLS Cell 1-3 External Walls	106	23-Jan-18 A	22-Jun-18	84
Cell 3	94	23-Jan-18 A	07-Jun-18	96
Drainage Manhole MH-9h - Dwall breaking	18	26-Jan-18 A	15-Feb-18	132
Drainage Manhole MH-9h - Base Slab & Manhole Structure	48	23-Feb-18	24-Apr-18	132
Cell 3 ML03 - Dwall Extension for Partial Base Slab	18	30-Jan-18 A	26-Feb-18	117
Cell 3 ML03 - Partial Base Slab	18	27-Feb-18	19-Mar-18	117
Cell 3 ML03 - Wall 5	24	20-Mar-18	20-Apr-18	117
ML03 ML02 - Temp Slab Breaking, Removal and platform compression	18	23-Jan-18 A	12-Feb-18	117
Cell 3 ML02 - Dwall Extension for Partial Base Slab	24	16-Mar-18	17-Apr-18	78
Cell 3 ML02 - Partial Base Slab	18	18-Apr-18	09-May-18	78
Cell 3 ML02 - Wall 8	24	10-May-18	07-Jun-18	78
Cell 2	76	27-Jan-18 A	16-May-18	90
Cell 2 ML03 Sump Tank - Preparation	18	27-Jan-18 A	15-Feb-18	73
Cell 2 ML03 Sump Tank - Base Slab	12	23-Feb-18	08-Mar-18	73
Cell 2 ML03 Sump Tank - Structure	30	09-Mar-18	17-Apr-18	73
Cell 2 ML03 - Wall 5	24	18-Apr-18	16-May-18	73
Cell 2 ML02 - Preparation for Wall 8	18	13-Feb-18	12-Mar-18	117
Cell 2 ML02 - Wall 8	24	13-Mar-18	13-Apr-18	117
Cell 1	69	27-Mar-18	22-Jun-18	84
Cell 1 ML03 - Remove Existing Access Tower	6	03-May-18	09-May-18	84
Cell 1 ML03 - Preparation for Wall 5	12	10-May-18	24-May-18	84
Cell 1 ML03 - Wall 5	24	25-May-18	22-Jun-18	84
Cell 1 ML02 - Preparation for Wall 8	12	27-Mar-18	13-Apr-18	117
Cell 1 ML02 - Wall 8	24	14-Apr-18	12-May-18	117
NLS Cell 1 False Tunnel	64	29-Jan-18 A	02-May-18	102
ML03	64	29-Jan-18 A	02-May-18	84
Cell 1 ML03 - Platform & preparation for Wall 1	18	29-Jan-18 A	24-Feb-18	88
Cell 1 ML03 - Wall 1	12	26-Feb-18	10-Mar-18	88
Cell 1 ML03 - Preparation for Wall 2	15	30-Jan-18 A	15-Feb-18	84
Cell 1 ML03 - Wall 2	18	23-Feb-18	15-Mar-18	84
Cell 1 ML03 - False Tunnel Roof	18	16-Mar-18	10-Apr-18	84
Cell 1 ML03 - False Tunnel - Remove props under OHVD Slab	6	11-Apr-18	17-Apr-18	84
Cell 1 - Remove Existing Dewatering system	6	18-Apr-18	24-Apr-18	84
Cell 1 - Prepare New Access Tower between tunnels	6	25-Apr-18	02-May-18	84
ML02	48	29-Jan-18 A	12-Apr-18	118
Cell 1 ML02 - Platform & preparation for Wall 3	18	29-Jan-18 A	24-Feb-18	118
Cell 1 ML02 - Wall 3	12	26-Feb-18	10-Mar-18	118
Cell 1 ML02 - False Tunnel Roof	18	12-Mar-18	04-Apr-18	118
Cell 1 ML02 - False Tunnel - Remove props under OHVD Slab	6	06-Apr-18	12-Apr-18	118
NLS Cell 1-3 Structure for Cell 3 Dwall opening	66	30-Apr-18	19-Jul-18	20
Cell 3	60	30-Apr-18	12-Jul-18	26
Cell 3 - Removal of existing NLS Ramp	18	30-Apr-18	21-May-18	26
Cell 3 - Dwall extension	24	23-May-18	20-Jun-18	26
Cell 3 - Remaining Base Slab	18	21-Jun-18	12-Jul-18	26
Cell 2	66	30-Apr-18	19-Jul-18	15
Cell 2 - Removal of remaining NLS Ramp	12	30-Apr-18	14-May-18	15
Cell 2 - Expose Coupler for W6 & 7	12	15-May-18	29-May-18	15
Cell 2 - Wall 6 & 7	24	30-May-18	27-Jun-18	15
Cell 2 - ML03 - Prepare Scaffolding for Top Beams	18	28-Jun-18	19-Jul-18	15
North - Phase 2 Reclamation	88	07-Oct-17 A	31-May-18	-153
Area G - Surcharge Removal	29	07-Oct-17 A	31-May-18	-153
[KD-5] Section 1A2 Completion - Portion N1 to N4 completion	0		31-May-18*	-153
Box Culvert Extension	88	05-Jan-18 A	31-May-18	-48
Main Culvert Structure (Ch000-399)	70	05-Jan-18 A	31-Mar-18	0
Cell 3 & 4 - Waling & Strutting, Excavation & Immerse Concrete	6	05-Jan-18 A	03-Feb-18 A	
Cell 3 & 4 - Blinding, H-piles cutting & Culvert Structure & Stoplog structure	40	05-Feb-18	29-Mar-18	0
Drainage flow diverted into Cell 3 & 4 structure	0		05-Feb-18	0
Drainage flow diverted into 4 cells structure	0		29-Mar-18	0
End of 2017/18 Dry Season	0		31-Mar-18*	0
EOA/ EOB / EOC	88	05-Feb-18	31-May-18	-153
EOA - Open cut excavation	15	05-Feb-18	28-Feb-18	-135
EOA - Precast installation	9	22-Mar-18	04-Apr-18	-153
EOA - Insitu Concrete & Backfilling	24	06-Apr-18	04-May-18	-153
EOB - Precast installation	9	01-Mar-18*	10-Mar-18	-153
EOB - Insitu Concrete & Backfilling	24	12-Mar-18	12-Apr-18	-153
EOC - Precast installation	9	12-Mar-18	21-Mar-18	-153
EOC - Insitu Concrete & Backfilling	24	22-Mar-18	23-Apr-18	-153
Site Clearance and Backfilling above Box Cuvlert	40	13-Apr-18	31-May-18	-153
NLF Demobilization & At-grade works	48	28-Dec-17 A	17-Mar-18	0
Portion N12 & Portion N6B	48	28-Dec-17 A	17-Mar-18	0
Temp Drainage Channel Seawall & Facing Stone Coping Installation	48	28-Dec-17 A	17-Mar-18	0
North Approach & Sub-sea Tunnel - Thermal Barrier	252	15-Jan-18 A	15-Dec-18	0
Fire board Installation below OHVD	252	15-Jan-18 A	15-Dec-18	0
Fire Board installation - TNA+NVS - below OHVD Slab	81	15-Jan-18 A	30-Apr-18	0
Fire Board installation - TSS NVS to CP33 - below OHVD Slab	190	02-May-18	15-Dec-18	0
ML02 South Ventilation Shaft	117	30-Jan-18 A	06-Jul-18	44
Concrete Bell Options	117	30-Jan-18 A	06-Jul-18	44
ML02 SVS Strengthening Beam (2 Layer)	15	30-Jan-18 A	12-Mar-18	29
ML02 SVS Concrete Backfilling between walls	4	13-Mar-18	16-Mar-18	29
ML02 SVS Bouyancy Slab & concrete block	18	17-Mar-18	11-Apr-18	29
ML02 SVS Evacuation for Shaft Flooding	6	12-Apr-18	18-Apr-18	29
ML02 SVS Shaft Flooding	3	19-Apr-18	21-Apr-18	29
ML02 SVS available for S882 Crossing	0	23-Apr-18		29
ML02 SVS Dewatering	6	07-Jun-18	13-Jun-18	44
ML02 SVS Bouyancy Slab Breaking	18	14-Jun-18	06-Jul-18	44



Project ID: DWPI0010

Data Date: 05-Feb-18

Milestone

Planned Bar

TMCLKL Northern Connection Sub-sea Tunnel Section

Detailed Works Programme Rev. I

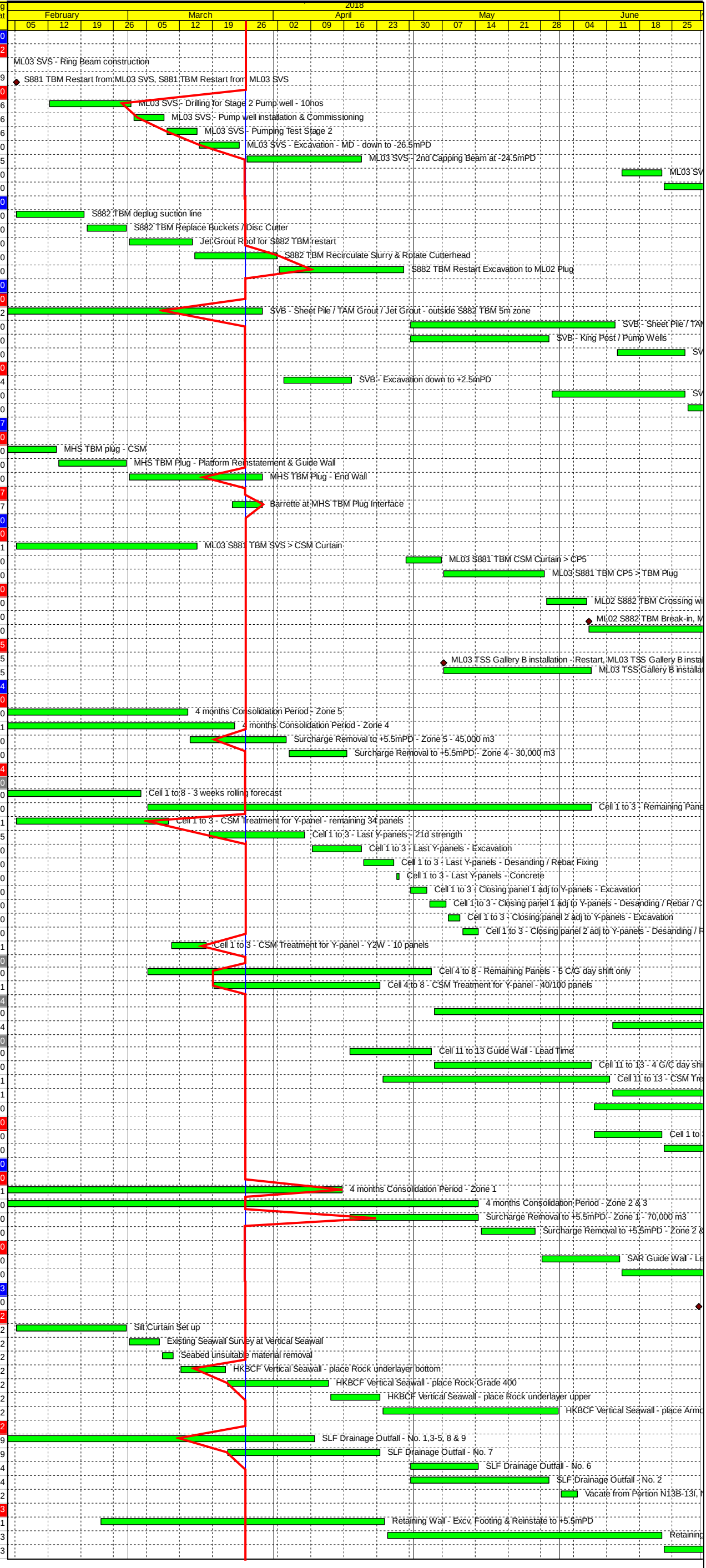
Three Months Rolling Programme Progress as of 25 Mar 18

Dragages HongKong

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved

Activity Name	Dur	Start	Finish	Remaining Float
ML03 South Ventilation Shaft	118	27-Jan-18 A	07-Jul-18	0
Shaft Excavation Stage 1	90	27-Jan-18 A	05-Feb-18	52
ML03 SVS - Ring Beam construction	12	27-Jan-18 A	03-Feb-18 A	
S881 TBM Restart from ML03 SVS	0	05-Feb-18		59
Shaft Excavation Stage 2	112	12-Feb-18	07-Jul-18	0
ML03 SVS - Drilling for Stage 2 Pump well - 10nos	10	12-Feb-18	01-Mar-18	46
ML03 SVS - Pump well installation & Commissioning	6	02-Mar-18	08-Mar-18	46
ML03 SVS - Pumping Test Stage 2	6	09-Mar-18	15-Mar-18	46
ML03 SVS - Excavation - MD - down to -26.5mPD	9	16-Mar-18	24-Mar-18	60
ML03 SVS - 2nd Capping Beam at -24.5mPD	18	26-Mar-18	19-Apr-18	45
ML03 SVS - Excavation - ALL - down to -33.0mPD	9	14-Jun-18	22-Jun-18	0
ML03 SVS False Tunnel - Top segments removal	12	23-Jun-18	07-Jul-18	0
S882 TBM Rescue	62	05-Feb-18	28-Apr-18	0
S882 TBM deplug suction line	15	05-Feb-18	19-Feb-18	0
S882 TBM Replace Buckets / Disc Cutter	9	20-Feb-18	28-Feb-18	0
Jet Grout Roof for S882 TBM restart	12	01-Mar-18	14-Mar-18	0
S882 TBM Recirculate Slurry & Rotate Cutterhead	18	15-Mar-18	01-Apr-18	0
S882 TBM Restart Excavation to ML02 Plug	27	02-Apr-18	28-Apr-18	0
South Ventilation Building	127	31-Jan-18 A	18-Jul-18	0
ELS Foundation	110	31-Jan-18 A	27-Jun-18	0
SVB - Sheet Pile / TAM Grout / Jet Grout - outside S882 TBM 5m zone	45	31-Jan-18 A	29-Mar-18	22
SVB - Sheet Pile / TAM Grout / Jet Grout - within S882 TBM 5m zone	36	30-Apr-18	12-Jun-18	0
SVB - King Post / Pump Wells	24	30-Apr-18	29-May-18	0
SVB - Pumping Test	12	13-Jun-18	27-Jun-18	0
Cofferdam Excavation	87	03-Apr-18	18-Jul-18	0
SVB - Excavation down to +2.5mPD	12	03-Apr-18	17-Apr-18	34
SVB ELS - S1 Installation & preloading	24	30-May-18	27-Jun-18	0
SVB ELS - Excavation down to -1.0mPD - 15,000 m3	17	28-Jun-18	18-Jul-18	0
MHS TBM Treatment & Plug	40	11-Oct-17 A	29-Mar-18	27
MHS TBM plug	40	11-Oct-17 A	29-Mar-18	0
MHS TBM plug - CSM	8	11-Oct-17 A	13-Feb-18	0
MHS TBM Plug - Platform Reinstatement & Guide Wall	7	14-Feb-18	28-Feb-18	0
MHS TBM Plug - End Wall	25	01-Mar-18	29-Mar-18	0
Barrette between SVS to Parking Plug	6	23-Mar-18	29-Mar-18	27
Barrette at MHS TBM Plug Interface	6	23-Mar-18	29-Mar-18	27
South Approach TBM Tunnel	115	05-Feb-18	04-Jul-18	0
S881 TBM	106	05-Feb-18	28-May-18	0
ML03 S881 TBM SVS > CSM Curtain	36	05-Feb-18	15-Mar-18	41
ML03 S881 TBM CSM Curtain > CP5	8	29-Apr-18	06-May-18	0
ML03 S881 TBM CP5 > TBM Plug	21	07-May-18	28-May-18	0
S882 TBM	30	29-May-18	04-Jul-18	0
ML02 S882 TBM Crossing within SVS	8	29-May-18	06-Jun-18	0
ML02 S882 TBM Break-in	0	07-Jun-18		0
ML02 S882 TBM SVS > CP6	27	07-Jun-18	04-Jul-18	0
ML03 TSS Internal Structure	27	07-May-18	07-Jun-18	5
ML03 TSS Gallery B installation - Restart	0	07-May-18		5
ML03 TSS Gallery B installation + strengthening	27	07-May-18	07-Jun-18	5
MHS Cut-and-cover Tunnel	165	14-Nov-17 A	07-Aug-18	4
MHS C&C Band Drain, Surcharge & Dwall	165	14-Nov-17 A	16-Apr-18	0
4 months Consolidation Period - Zone 5	120	14-Nov-17 A	13-Mar-18	0
4 months Consolidation Period - Zone 4	120	24-Nov-17 A	23-Mar-18	11
Surcharge Removal to +5.5mPD - Zone 5 - 45,000 m3	15	14-Mar-18	03-Apr-18	0
Surcharge Removal to +5.5mPD - Zone 4 - 30,000 m3	10	04-Apr-18	16-Apr-18	0
N MHS C&C Caterpillar Dwall	144	30-Nov-17 A	07-Aug-18	4
Cell 1 to 3 - Remaining Panels	94	30-Nov-17 A	07-Jun-18	0
Cell 1 to 8 - 3 weeks rolling forecast	18	30-Nov-17 A	03-Mar-18	0
Cell 1 to 3 - Remaining Panels - 2C+2G / 4 double shift	76	05-Mar-18	07-Jun-18	0
Cell 1 to 3 - CSM Treatment for Y-panel - remaining 34 panels	23	05-Feb-18	09-Mar-18	1
Cell 1 to 3 - Last Y-panels - 21d strength	21	18-Mar-18	07-Apr-18	25
Cell 1 to 3 - Last Y-panels - Excavation	10	09-Apr-18	19-Apr-18	20
Cell 1 to 3 - Last Y-panels - Desanding / Rebar Fixing	6	20-Apr-18	26-Apr-18	20
Cell 1 to 3 - Last Y-panels - Concrete	1	27-Apr-18	27-Apr-18	20
Cell 1 to 3 - Closing panel 1 adj to Y-panels - Excavation	3	30-Apr-18	03-May-18	20
Cell 1 to 3 - Closing panel 1 adj to Y-panels - Desanding / Rebar / Concrete	3	04-May-18	07-May-18	20
Cell 1 to 3 - Closing panel 2 adj to Y-panels - Excavation	3	08-May-18	10-May-18	20
Cell 1 to 3 - Closing panel 2 adj to Y-panels - Desanding / Rebar / Concrete	3	11-May-18	14-May-18	20
Cell 1 to 3 - CSM Treatment for Y-panel - Y2W - 10 panels	7	10-Mar-18	17-Mar-18	1
Cell 4 to 8	48	05-Mar-18	04-May-18	0
Cell 4 to 8 - Remaining Panels - 5 C/G day shift only	48	05-Mar-18	04-May-18	0
Cell 4 to 8 - CSM Treatment for Y-panel - 40/100 panels	27	19-Mar-18	23-Apr-18	1
Cell 9 to 10	78	05-May-18	07-Aug-18	4
Cell 9 to 10 - 1C/G day shift only	78	05-May-18	07-Aug-18	0
Cell 9 to 10 - CSM Treatment for Y-panel - 40 panels	27	12-Jun-18	14-Jul-18	24
Cell 11 to 13	93	17-Apr-18	07-Aug-18	0
Cell 11 to 13 Guide Wall - Lead Time	15	17-Apr-18	04-May-18	0
Cell 11 to 13 - 4 G/C day shift only	28	05-May-18	07-Jun-18	0
Cell 11 to 13 - CSM Treatment for Y-panel - 60 panels	40	24-Apr-18	11-Jun-18	1
Cell 11 to 13 - Last Y-panels - 21d strength	21	12-Jun-18	02-Jul-18	1
Cell 11 to 13 - 4 G/C / 4 double shift	50	08-Jun-18	07-Aug-18	0
N MHS C&C Preparation for Excavation	30	08-Jun-18	14-Jul-18	0
Cell 1 to 3 - Lead time for Dwall Interface Coring	12	08-Jun-18	22-Jun-18	0
Cell 1 to 3 - Lead time for Capping beam including Excavation	18	23-Jun-18	14-Jul-18	0
MHS Approach Ramp	144	17-Dec-17 A	07-Aug-18	0
Band Drain & Surcharge	91	17-Dec-17 A	26-May-18	0
4 months Consolidation Period - Zone 1	120	17-Dec-17 A	15-Apr-18	1
4 months Consolidation Period - Zone 2 & 3	120	15-Jan-18 A	14-May-18	0
Surcharge Removal to +5.5mPD - Zone 1 - 70,000 m3	23	17-Apr-18	14-May-18	0
Surcharge Removal to +5.5mPD - Zone 2 & 3 - 30,000 m3	10	15-May-18	26-May-18	0
SAR Dwall	60	28-May-18	07-Aug-18	0
SAR Guide Wall - Lead Time	15	28-May-18	13-Jun-18	0
SAR Dwall - 212 shift - 4G/C day shift only	45	14-Jun-18	07-Aug-18	0
Southern Landfall - Surface	142	01-Feb-18 A	04-Aug-18	513
Portion N13B-13I, N14B Handover	0		30-Jun-18*	0
HKBCF Seawall Modification	88	05-Feb-18	31-May-18	22
Silt Curtain Set up	15	05-Feb-18	28-Feb-18	22
Existing Seawall Survey at Vertical Seawall	6	01-Mar-18	07-Mar-18	22
Seabed unsuitable material removal	3	08-Mar-18	10-Mar-18	22
HKBCF Vertical Seawall - place Rock underlayer bottom	9	12-Mar-18	21-Mar-18	22
HKBCF Vertical Seawall - place Rock Grade 400	15	22-Mar-18	12-Apr-18	22
HKBCF Vertical Seawall - place Rock underlayer upper	9	13-Apr-18	23-Apr-18	22
HKBCF Vertical Seawall - place Armour Rock	31	24-Apr-18	31-May-18	22
Drainage Outfall	91	01-Feb-18 A	04-Jun-18	22
SLF Drainage Outfall - No. 1,3-5, 8 & 9	48	01-Feb-18 A	09-Apr-18	29
SLF Drainage Outfall - No. 7	24	22-Mar-18	23-Apr-18	29
SLF Drainage Outfall - No. 6	12	30-Apr-18	14-May-18	24
SLF Drainage Outfall - No. 2	24	30-Apr-18	29-May-18	24
Vacate from Portion N13B-13I, N14A	3	01-Jun-18	04-Jun-18	22
Retaining Wall Interface with C1	132	23-Feb-18	04-Aug-18	513
Retaining Wall - Excv, Footing & Reinstate to +5.5mPD	48	23-Feb-18*	24-Apr-18	31
Retaining Wall - Superstructure	48	25-Apr-18	22-Jun-18	513
Retaining Wall - Backfilling (interface coordination with C1)	36	23-Jun-18	04-Aug-18	513



Project ID: DWPI0010

Data Date: 05-Feb-18

◆ Milestone

Planned Bar

TMCLKL Northern Connection Sub-sea Tunnel Section

Detailed Works Programme Rev. I

Three Months Rolling Programme Progress as of 25 Mar 18

Dragages HongKong

Dragages - Bouygues Joint Venture 寶嘉 - 布依格聯營

Date	Revision	Checked	Approved