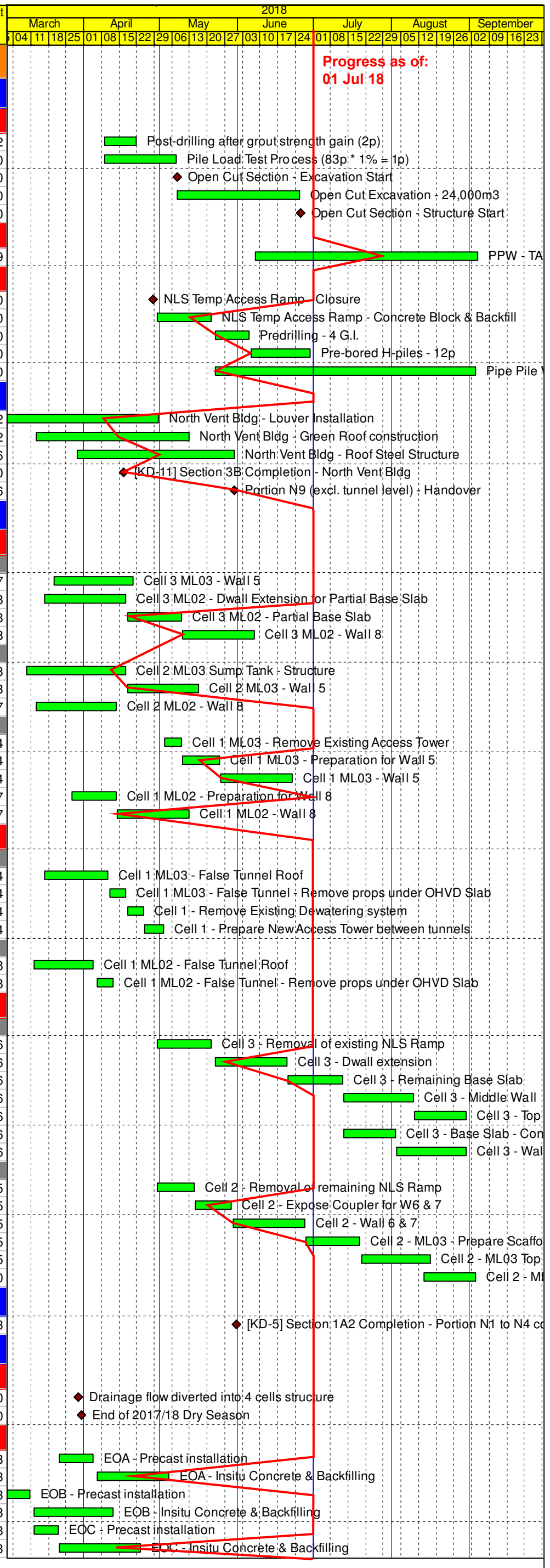
Activity Name	Orig Dur	Start	Finish	Float
TMCLKL Northern Connection Sub-sea Tunnel Section				
North Approach Ramp				
Portion N12 Section				
Post-drilling after grout strength gain (2p)	12	09-Apr-18	21-Apr-18	12
Pile Load Test Process (83p * 1% = 1p)	24	09-Apr-18	07-May-18	0
Open Cut Section - Excavation 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
Non-Access Ramp Section				
PPW - TAM Grouting - Non-ramp section	73	08-Jun-18	04-Sep-18	19
Access Ramp Section				
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				
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				
NLS Cell 1-3 External Walls				
Cell 3				
Cell 3 ML03 - Wall 5	24	20-Mar-18	20-Apr-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				
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 - Wall 8	24	13-Mar-18	13-Apr-18	117
Cell 1				
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				
ML03				
Cell 1 ML03 - False Tunnel Roof	18	16-Mar-18	10-Apr-18	84
Cell 1 ML03 - False Tunnel - Remove props under OHVD S	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				
Cell 1 ML02 - False Tunnel Roof	18	12-Mar-18	04-Apr-18	118
Cell 1 ML02 - False Tunnel - Remove props under OHVD S	6	06-Apr-18	12-Apr-18	118
NLS Cell 1-3 Structure for Cell 3 Dwall opening				
Cell 3				
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 3 - Middle Wall	24	13-Jul-18	09-Aug-18	26
Cell 3 - Top Slab	18	10-Aug-18	30-Aug-18	26
Cell 3 - Base Slab - Connecting to NAR	18	13-Jul-18	02-Aug-18	26
Cell 3 - Wall 17 & 18	24	03-Aug-18	30-Aug-18	26
Cell 2				
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
Cell 2 - ML03 Top Beams	24	20-Jul-18	16-Aug-18	15
Cell 2 - ML02 - Prepare Scaffolding for Top beams	18	14-Aug-18	03-Sep-18	0
North - Phase 2 Reclamation				
[KD-5] Section 1A2 Completion - Portion N1 to N4 completion	0		31-May-18*	-153
Box Culvert Extension				
Main Culvert Structure (Ch000-399)				
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				
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



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Dragages HongKong 香港寶嘉

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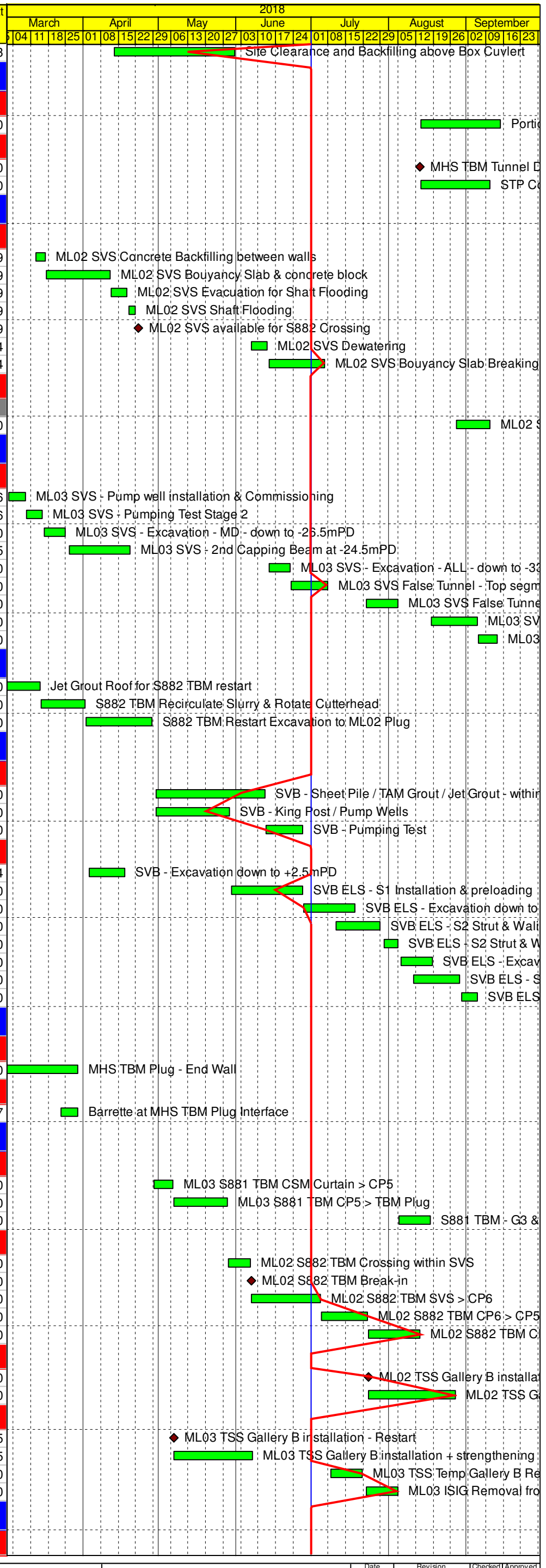
Date	Revision	Checked	Approved
07-Mar-18	Rev. I	WYu	

Activity Name	Orig Dur	Start	Finish	Float
Site Clearance and Backfilling above Box Cuvlert	40	13-Apr-18	31-May-18	-153
NLF Demobilization & At-grade works				
Portion N12 & Portion N6B				
Portion N1 - MHS TBM Segment storage - Site clearance	28	14-Aug-18	14-Sep-18	0
NVS & STP (Portion N7 Interface)				
MHS TBM Tunnel Drive - Completion	0		13-Aug-18	0
STP Conveyor & Batching Point Removal	24	14-Aug-18	10-Sep-18	0
ML02 South Ventilation Shaft				
Concrete Bell Options				
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
ML02 SVS Structure				
Tunnel Box				
ML02 SVS False Tunnel Removal - Top & side segments	12	28-Aug-18	10-Sep-18	0
ML03 South Ventilation Shaft				
Shaft Excavation Stage 2				
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
ML03 SVS False Tunnel - Railed Shifting Way	12	23-Jul-18	04-Aug-18	0
ML03 SVS False Tunnel - Bottom Segment removal	16	18-Aug-18	05-Sep-18	0
ML03 SVS - Excavation - ALL - down to -50.5mPD	7	06-Sep-18	13-Sep-18	0
S882 TBM Rescue				
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				
ELS Foundation				
SVB - Sheet Pile / TAM Grout / Jet Grout - within S882 TBM	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				
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
SVB ELS - S2 Strut & Waling - Installation	16	11-Jul-18	28-Jul-18	0
SVB ELS - S2 Strut & Waling - preloading	6	30-Jul-18	04-Aug-18	0
SVB ELS - Excavation down to -6.0mPD - 21,000 m3	12	06-Aug-18	18-Aug-18	0
SVB ELS - S3 Strut & Waling - Installation	16	11-Aug-18	29-Aug-18	0
SVB ELS - S3 Strut & Waling - preloading	6	30-Aug-18	05-Sep-18	0
MHS TBM Treatment & Plug				
MHS TBM plug				
MHS TBM Plug - End Wall	25	01-Mar-18	29-Mar-18	0
Barrette between SVS to Parking Plug				
Barrette at MHS TBM Plug Interface	6	23-Mar-18	29-Mar-18	27
South Approach TBM Tunnel				
S881 TBM				
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
S881 TBM - G3 & G4 - Pulling, Cutting & removal	12	05-Aug-18	17-Aug-18	0
S882 TBM				
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
ML02 S882 TBM CP6 > CP5	18	05-Jul-18	23-Jul-18	0
ML02 S882 TBM CP5 > TBM Plug	21	24-Jul-18	13-Aug-18	0
ML02 TSS Internal Structure				
ML02 TSS Gallery B installation - Restart	0	24-Jul-18		0
ML02 TSS Gallery B installation + strengthening	30	24-Jul-18	27-Aug-18	0
ML03 TSS Internal Structure				
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
ML03 TSS Temp Gallery B Removal at SVS	12	09-Jul-18	21-Jul-18	0
ML03 ISIG Removal from Sub-sea Tunnel	12	23-Jul-18	04-Aug-18	0
MHS Cut-and-cover Tunnel				
MHS C&C Band Drain, Surcharge & Dwall				



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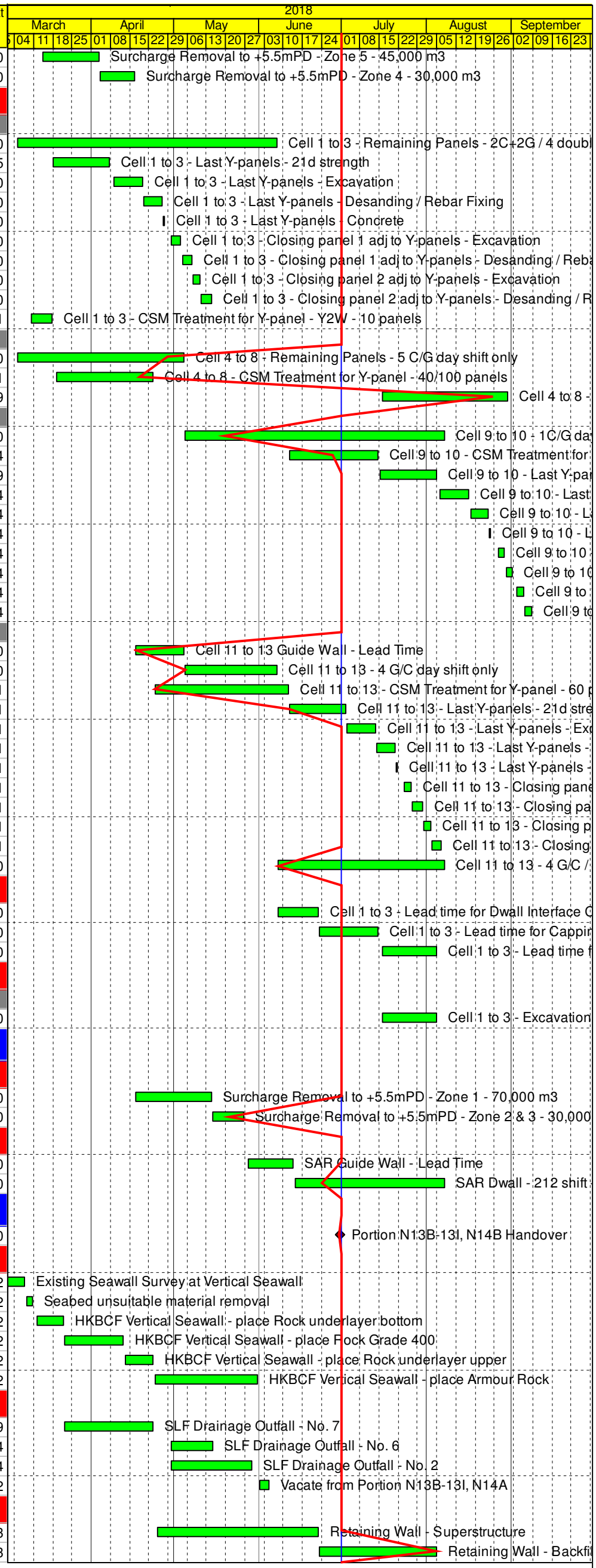
Date	Revision	Checked	Approved
07-Mar-18	Rev. I	WYu	

Activity Name	Orig Dur	Start	Finish	Float
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				
Cell 1 to 3 - Remaining Panels				
Cell 1 to 3 - Remaining Panels - 2C+2G / 4 double shift	76	05-Mar-18	07-Jun-18	0
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 /	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 /	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				
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 4 to 8 - CSM Treatment for Y-panel - 60/100 panels	40	16-Jul-18	30-Aug-18	29
Cell 9 to 10				
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 9 to 10 - Last Y-panels - 21d strength	21	15-Jul-18	04-Aug-18	29
Cell 9 to 10 - Last Y-panels - Excavation	10	06-Aug-18	16-Aug-18	24
Cell 9 to 10 - Last Y-panels - Desanding / Rebar Fixing	6	17-Aug-18	23-Aug-18	24
Cell 9 to 10 - Last Y-panels - Concrete	1	24-Aug-18	24-Aug-18	24
Cell 9 to 10 - Closing panel 1 adj to Y-panels - Excavation	3	27-Aug-18	29-Aug-18	24
Cell 9 to 10 - Closing panel 1 adj to Y-panels - Desanding	3	30-Aug-18	01-Sep-18	24
Cell 9 to 10 - Closing panel 2 adj to Y-panels - Excavation	3	03-Sep-18	05-Sep-18	24
Cell 9 to 10 - Closing panel 2 adj to Y-panels - Desanding	3	06-Sep-18	08-Sep-18	24
Cell 11 to 13				
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 - Last Y-panels - Excavation	10	03-Jul-18	13-Jul-18	1
Cell 11 to 13 - Last Y-panels - Desanding / Rebar Fixing	6	14-Jul-18	20-Jul-18	1
Cell 11 to 13 - Last Y-panels - Concrete	1	21-Jul-18	21-Jul-18	1
Cell 11 to 13 - Closing panel 1 adj to Y-panels - Excavation	3	24-Jul-18	26-Jul-18	1
Cell 11 to 13 - Closing panel 1 adj to Y-panels - Desanding	3	27-Jul-18	30-Jul-18	1
Cell 11 to 13 - Closing panel 2 adj to Y-panels - Excavation	3	31-Jul-18	02-Aug-18	1
Cell 11 to 13 - Closing panel 2 adj to Y-panels - Desanding	3	03-Aug-18	06-Aug-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				
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 Excavatio	18	23-Jun-18	14-Jul-18	0
Cell 1 to 3 - Lead time for Pumping Test	18	16-Jul-18	04-Aug-18	0
N MHS C&C Caterpillar Excavation				
MHS C&C Cell 12 to 04				
Cell 1 to 3 - Excavation down to +2.5mPD	18	16-Jul-18	04-Aug-18	0
MHS Approach Ramp				
Band Drain & Surcharge				
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				
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				
Portion N13B-13I, N14B Handover	0		30-Jun-18*	0
HKBCF Seawall Modification				
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				
SLF Drainage Outfall - No. 7	24	22-Mar-18	23-Apr-18	29
SLF Drainage Outfall - No. 6	12	30-Apr-18	15-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				
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



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