

Appendix B

## Construction Programme

**TMCLKL Northern Connection Sub-sea Tunnel Section**

**Possession / Access Dates**

N13Ji, Jii, Ki & Kii - Possession / Access (after E&M scope)	0	16-Oct-19	
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**Contract Key Dates**

[KD-2b] Stage 2b Completion - TSS between CP33 to CP13	0	15-Apr-19*	
[KD-2c] Stage 2c Completion - Remaining TSS & TSA	0	30-Sep-19*	
[KD-2d] Stage 2d Completion - MHS C&C Tunnel	0	15-Nov-19*	
[KD-3b] Stage 3b Completion - NLF Provision for CLP, LV & ...	0	02-Oct-19*	
[KD-3f] Stage 3f Achievement - NLS/NAR - provide access	0	02-Oct-19*	
[KD-3g] Stage 3g Completion - SVS Tunnel	0	30-Sep-19*	
[KD-3i] Stage 3i Completion - South Approach Ramp	0	15-Oct-19*	
[KD-10] Section 3A Completion - SVB	0	20-Jul-19*	
[KD-10a] Stage 5 Completion - SVB BL2	0	11-May-19*	

**Portion Handover Dates**

N5 - Handover	0	30-Apr-19*	
N10 (excl Tunnel) - Handover	0	30-Sep-19*	
N11A - Handover	0	15-Feb-19*	
N11B - Handover	0	15-Feb-19*	
N13Ji, Jii, Ki & Kii - Handover for E&M Contract scope	0	15-Feb-19*	
N13B - Handover	0	12-Apr-19*	

**North Approach Ramp**

[KD-3f] Stage 3f Achievement - NAR - provide access	0	02-Oct-19*	
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**Access Ramp Section**

NAR Pipe Pile Section - Base Slab	48	22-Jan-19	25-Mar-19
NAR Pipe Pile Section - Strut S2 Removal	24	12-Mar-19	09-Apr-19
NAR Pipe Pile Section - Wall up to S1	48	26-Mar-19	27-May-19
NAR Pipe Pile Section - Strut S1 Removal	24	14-May-19	11-Jun-19
NAR Pipe Pile Section - Wall Remaining	48	28-May-19	24-Jul-19

**NLS Interface (OAP-NAR-DWG-10442-B)**

NLS Cell 3 Dwall removal (down to -3.0mPD) - 188m3	18	18-Jan-19	14-Feb-19
Strut Installation and Excavation down to FWL	12	15-Feb-19	28-Feb-19
NLS Cell 3 Dwall removal (down to -6.0mPD) - 134m3	18	01-Mar-19	21-Mar-19
NLS/NAR Stitch structure - Base Slab & S2 removed	36	19-Mar-19	04-May-19
Resume Tunnel Ramp Access	0	06-May-19	
NLS/NAR Stitch structure - Remaining Wall Structure & Stru	48	06-May-19	03-Jul-19
NAR Parapet, Cable Trough	58	25-Jul-19	02-Oct-19*

**North Launching Shaft**

[KD-3f] Stage 3f Achievement - NLS - provide access	0	02-Oct-19*	
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**NLS Cell 1-3 Remaining Structure**

Availability of NAR Access to Tunnel	0	06-May-19	
Cell 1 & 2 Top Slab Closing	24	22-May-19	19-Jun-19
<b>ML02</b>			
ML02 Cell 1 & 2 OHVD Slab	24	16-Jan-19	19-Feb-19
<b>ML03</b>			
ML03 Cell 1 & 2 Preparation for BRL structure	24	16-Jan-19	19-Feb-19
ML03 Cell 1 & 2 BRL Structure	48	20-Feb-19	17-Apr-19
NLS W6 & W7 - Wall opening - closing	24	03-Apr-19	06-May-19
ML03 Cell 1 & 2 OHVD Slab	24	18-Apr-19	21-May-19

**NLF Demobilization & At-grade works**

[KD-3b] Stage 3b Completion - NLF Provision for CLP, LV & ...	0	02-Oct-19*	
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**Portion N12 & Portion N6B**

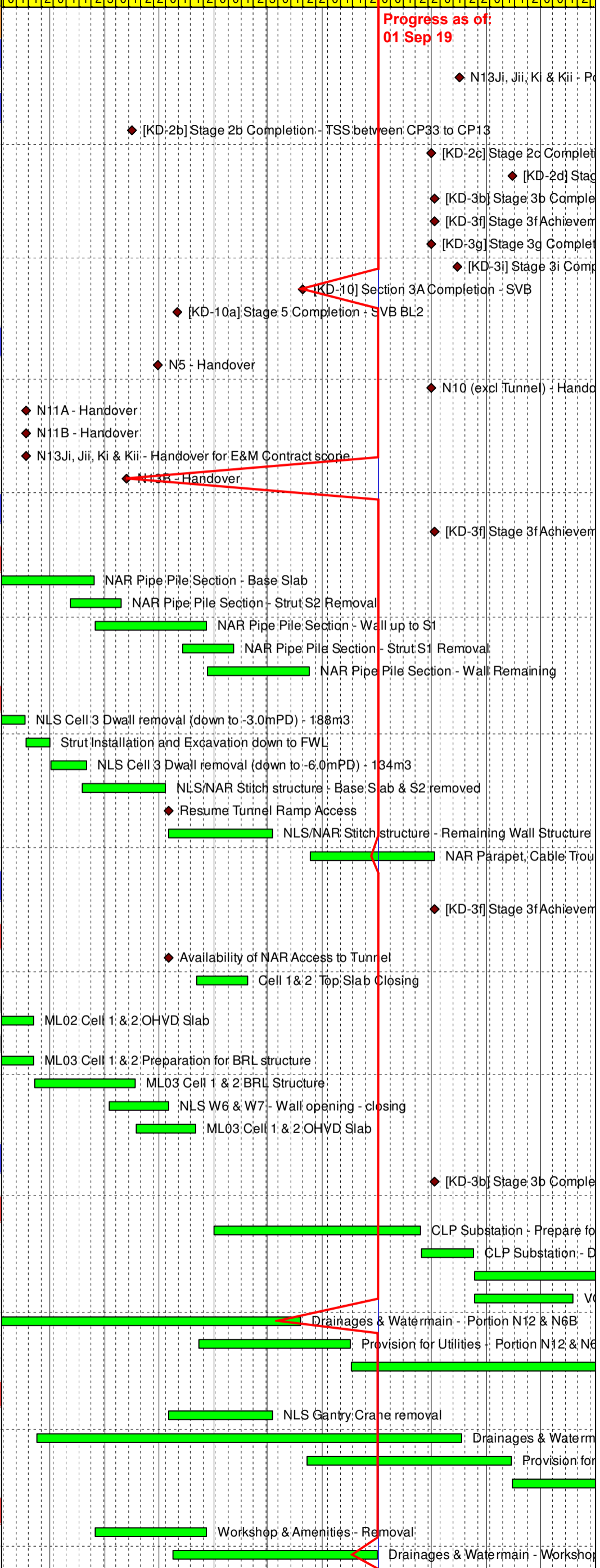
CLP Substation - Prepare for CLP Consent for de-energiza	96	01-Jun-19	24-Sep-19
CLP Substation - De-energization	24	25-Sep-19	24-Oct-19
CLP Substation - Dismantling & Removal	178	25-Oct-19	01-Jun-20
VO-009 Temporary Protection Barrier - Dismantling & Remc	48	25-Oct-19	19-Dec-19
Drainages & Watermain - Portion N12 & N6B	144	17-Jan-19	19-Jul-19
Provision for Utilities - Portion N12 & N6B	72	23-May-19	16-Aug-19
Utilities parties coordination & Remaining Civil Provision - I	117	17-Aug-19	07-Jan-20

**North Launching Shaft**

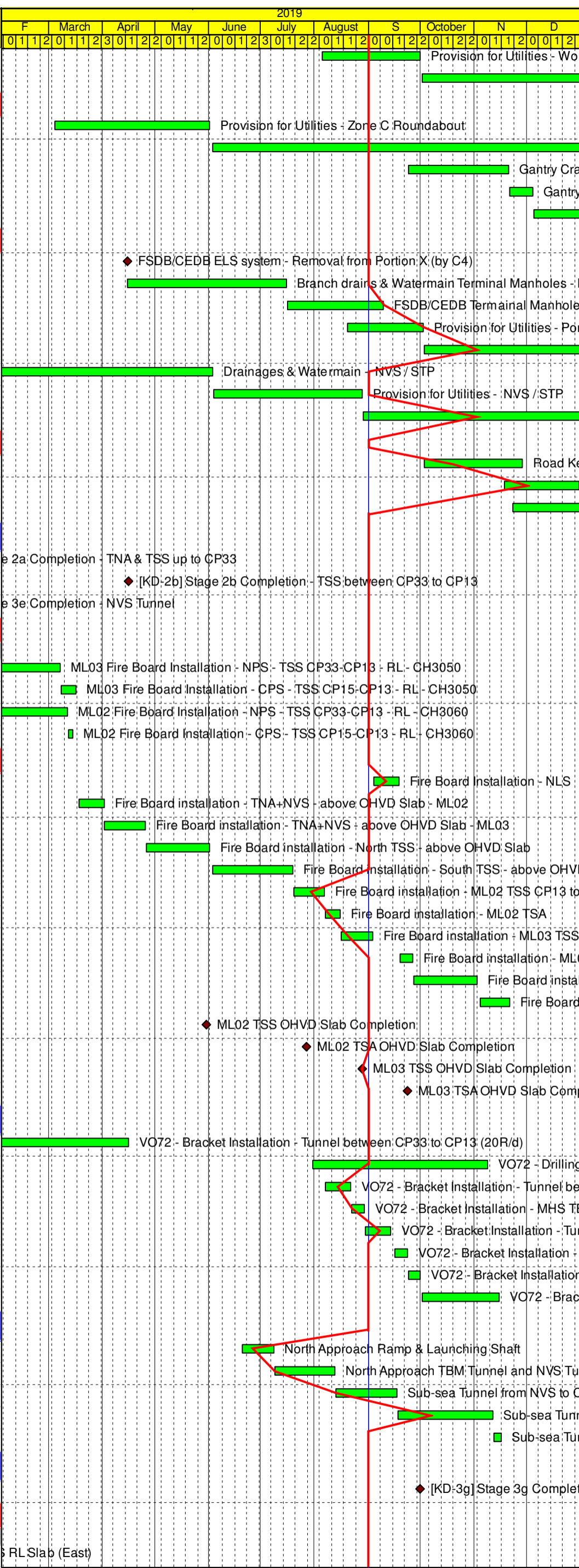
NLS Gantry Crane removal	48	06-May-19	03-Jul-19
Drainages & Watermain - NLS	194	21-Feb-19	17-Oct-19
Provision for Utilities - NLS	96	23-Jul-19	14-Nov-19
Utilities parties coordination & Remaining Civil Provision - I	43	15-Nov-19	07-Jan-20

**Sloping Seawall**

Workshop & Amenities - Removal	48	26-Mar-19	27-May-19
Drainages & Watermain - Workshop & Amenities	96	09-May-19	31-Aug-19



Activity Name	Orig Dur	Start	Finish	2019	F	March	April	May	June	July	August	S	October	N	D
Provision for Utilities - Workshop & Amenities	48	05-Aug-19	30-Sep-19												
Utilities parties coordination & Remaining Civil Provision - 1	80	02-Oct-19	07-Jan-20												
<b>Precast Segment Yard</b>															
Provision for Utilities - Zone C Roundabout	72	04-Mar-19	01-Jun-19												
Utilities parties coordination & Remaining Civil Provision - 2	180	03-Jun-19	07-Jan-20												
Gantry Crane 2 & 3 - Dismantling	48	24-Sep-19	20-Nov-19												
Gantry Crane 2 & 3 Area - Ground slab removal	12	21-Nov-19	04-Dec-19												
Zone C Area - Final Compaction for Handover	22	05-Dec-19	02-Jan-20												
<b>NVS &amp; STP (Portion N7 Interface)</b>															
FSDB/CEDB ELS system - Removal from Portion X (by C4)	0	15-Apr-19*													
Branch drains & Watermain Terminal Manholes - FSDB/CE	72	15-Apr-19	15-Jul-19												
FSDB/CEDB Terminal Manholes	48	16-Jul-19	09-Sep-19												
Provision for Utilities - Portion N7 Interface	36	20-Aug-19	02-Oct-19												
Utilities parties coordination & Remaining Civil Provision - NVS	79	03-Oct-19	07-Jan-20												
Drainages & Watermain - NVS / STP	144	30-Nov-18	03-Jun-19												
Provision for Utilities - NVS / STP	72	04-Jun-19	28-Aug-19												
Utilities parties coordination & Remaining Civil Provision - NVS	107	29-Aug-19	07-Jan-20												
<b>Northern Landfall - Overall</b>															
Road Kerb Installation & Sub-base - NLF At-grade	48	03-Oct-19	28-Nov-19												
Pavement - NLF At-grade	36	18-Nov-19	31-Dec-19												
Street Furniture and Road Marking - NLF At-grade	36	23-Nov-19	07-Jan-20												
<b>Tunnel - Thermal Barrier</b>															
[KD-2a] Stage 2a Completion - TNA & TSS up to CP33	0		15-Dec-18*												
[KD-2b] Stage 2b Completion - TSS between CP33 to CP13	0		15-Apr-19*												
[KD-3e] Stage 3e Completion - NVS Tunnel	0		15-Dec-18*												
<b>Fire board Installation below OHVD</b>															
Fire Board between CP33 and CP13															
ML03 Fire Board Installation - NPS - TSS CP33-CP13 - RL	68	08-Dec-18	07-Mar-19												
ML03 Fire Board Installation - CPS - TSS CP15-CP13 - RL	8	08-Mar-19	16-Mar-19												
ML02 Fire Board Installation - NPS - TSS CP33-CP13 - RL	68	12-Dec-18	11-Mar-19												
ML02 Fire Board Installation - CPS - TSS CP15-CP13 - RL	3	12-Mar-19	14-Mar-19												
<b>Fire board Installation above OHVD</b>															
Fire Board Installation - NLS	12	04-Sep-19	18-Sep-19												
Fire Board installation - TNA+NVS - above OHVD Slab - ML02	13	18-Mar-19	01-Apr-19												
Fire Board installation - TNA+NVS - above OHVD Slab - ML03	17	02-Apr-19	25-Apr-19												
Fire Board installation - North TSS - above OHVD Slab	30	26-Apr-19	01-Jun-19												
Fire Board installation - South TSS - above OHVD Slab	39	03-Jun-19	19-Jul-19												
Fire Board installation - ML02 TSS CP13 to SVS	15	20-Jul-19	06-Aug-19												
Fire Board installation - ML02 TSA	8	07-Aug-19	15-Aug-19												
Fire Board installation - ML03 TSS CP13 to SVS	16	16-Aug-19	03-Sep-19												
Fire Board installation - ML03 TSA	7	19-Sep-19	26-Sep-19												
Fire Board installation - MHS C&C below OHVD	30	27-Sep-19	02-Nov-19												
Fire Board installation - MHS C&C above OHVD	16	04-Nov-19	21-Nov-19												
ML02 TSS OHVD Slab Completion	0		30-May-19												
ML02 TSA OHVD Slab Completion	0		27-Jul-19												
ML03 TSS OHVD Slab Completion	0		28-Aug-19												
ML03 TSA OHVD Slab Completion	0		23-Sep-19												
<b>Tunnel - Anchor / E&amp;M Bracket (VO72)</b>															
VO72 - Bracket Installation - Tunnel between CP33 to CP13	93	17-Dec-18	15-Apr-19												
VO72 - Drilling & Anchor Installation - Remaining Tunnel	84	31-Jul-19	08-Nov-19												
VO72 - Bracket Installation - Tunnel between CP13 to SVS M	13	07-Aug-19	21-Aug-19												
VO72 - Bracket Installation - MHS TBM Tunnel ML02 (20R/d)	7	22-Aug-19	29-Aug-19												
VO72 - Bracket Installation - Tunnel between CP13 to SVS M	13	30-Aug-19	13-Sep-19												
VO72 - Bracket Installation - NLS	7	16-Sep-19	23-Sep-19												
VO72 - Bracket Installation - MHS TBM Tunnel ML03 (20R/d)	6	24-Sep-19	30-Sep-19												
VO72 - Bracket Installation - MHS C&C Tunnel	38	02-Oct-19	15-Nov-19												
<b>Tunnel Roadworks</b>															
North Approach Ramp & Launching Shaft	15	20-Jun-19	08-Jul-19												
North Approach TBM Tunnel and NVS Tunnel	30	09-Jul-19	12-Aug-19												
Sub-sea Tunnel from NVS to CP33	30	13-Aug-19	17-Sep-19												
Sub-sea Tunnel from CP33 to CP13	45	18-Sep-19	11-Nov-19												
Sub-sea Tunnel from CP13 to SVS	5	12-Nov-19	16-Nov-19												
<b>ML02 South Ventilation Shaft</b>															
[KD-3g] Stage 3g Completion - SVS Tunnel	0		30-Sep-19*												
<b>ML02 SVS Structure</b>															
Tunnel Box															
ML02 SVS RL Slab (East)	18	04-Dec-18	24-Dec-18												



Activity Name	Orig Dur	Start	Finish	2019																		
				F	March	April	May	June	July	August	S	October	N	D								
				0	1	2	0	1	1	2	3	0	1	2	0	1	2	3	0	1	2	0
ML02 SVS OHVD Slab	18	27-Dec-18	17-Jan-19	█																		
ML02 SVS Tunnel Roof Slab	15	18-Jan-19	04-Feb-19	█																		
ML02 SVS BRL (West) - Ramp / Backfill Removal	12	24-Apr-19	08-May-19				█															
ML02 SVS BRL walls (West)	33	09-May-19	18-Jun-19				█															
ML02 SVS RL Slab (West)	15	19-Jun-19	06-Jul-19																			
ML02 SVS West wall remaining after CP7	18	02-Sep-19	23-Sep-19																			
ML02 SVS Tunnel - Prepare for E&M Contractor Access	6	24-Sep-19	30-Sep-19																			
<b>Above Tunnel Vent Duct</b>																						
ML02 SVS Tunnel Roof Wall (-28.70 to -21.90)	30	12-Feb-19	18-Mar-19	█																		
ML02 SVS Above Tunnel Roof Wall & Slab (-21.90 to -18.7)	36	19-Mar-19	04-May-19				█															
ML02 SVS Below BL2 Wall & Slab + Backfill (-18.70 to -6.95)	60	06-May-19	17-Jul-19				█															
ML02 SVS Dwall opening for Duct connection to SVB S1	24	18-Jul-19	14-Aug-19																			
ML02 SVS BL2 Wall & Slab (-6.95 to -0.45)	27	15-Aug-19	16-Sep-19																			
ML02 SVS Dwall opening for Duct connection to SVB S2	27	24-Sep-19	26-Oct-19																			
ML02 SVS BL1 Wall & Slab (-0.45 to +1.80)	30	28-Oct-19	30-Nov-19																			
ML02 SVS Duct Roof Wall & Slab	24	02-Dec-19	31-Dec-19																			
ML02 SVS Tunnel Roof to BBL2 W/P & Backfill (-21.90 to -18.70)	60	06-May-19	17-Jul-19				█															
ML02 SVS BL2 W/P & Backfill (-8.00 to -0.65)	21	29-Aug-19	23-Sep-19																			

**CP7 South Ventilation Shaft**

**ML02 SVS**

ML02 SVS Access Ramp for CP7	6	12-Feb-19	18-Feb-19
ML02 SVS CP7 Dwall opening + Excavation (Bottom)	24	19-Feb-19	18-Mar-19
ML02 SVS CP7 Invert Slab, Wall & Middle Slab	15	19-Mar-19	04-Apr-19
ML02 SVS CP7 Temp Strut	6	06-Apr-19	12-Apr-19
ML02 SVS CP7 Bottom section backfilling	6	13-Apr-19	23-Apr-19
ML02 SVS CP7 Upper Excavation & modify arches	24	08-Jul-19	03-Aug-19
ML02 SVS CP7 Top section - Structure	24	05-Aug-19	31-Aug-19

**ML03 South Ventilation Shaft**

**ML03 SVS Structure**

Tunnel Box			
ML03 SVS RL Wall	30	19-Dec-18	25-Jan-19
ML03 SVS OHVD Slab	18	26-Jan-19	22-Feb-19
ML03 SVS ARL Wall	21	23-Feb-19	19-Mar-19
ML03 SVS Tunnel Roof Slab	15	20-Mar-19	06-Apr-19
Above Tunnel Vent Duct			
ML03 SVS Tunnel Roof Wall (-28.70 to -21.90)	30	08-Apr-19	17-May-19
ML03 SVS Above Tunnel Roof Wall & Slab	36	18-May-19	29-Jun-19
ML03 SVS Below BL2 Wall & Slab (-18.70 to -6.95)	50	02-Jul-19	28-Aug-19
ML03 SVS Dwall opening for Duct connection to SVB	18	29-Aug-19	19-Sep-19
ML03 SVS BL2 Duct Connection to SVB	30	20-Sep-19	26-Oct-19
ML03 SVS Dwall opening for Duct connection to SVB	18	04-Nov-19	23-Nov-19
ML03 SVS BL1 Duct connection to SVB	30	25-Nov-19	31-Dec-19
ML03 SVS Tunnel Roof to BBL2 W/P & Backfill(-21.90 to -18.70)	45	16-Jul-19	05-Sep-19
ML03 SVS BL2 W/P & Backfill (-8.00 to -0.65)	24	05-Oct-19	02-Nov-19

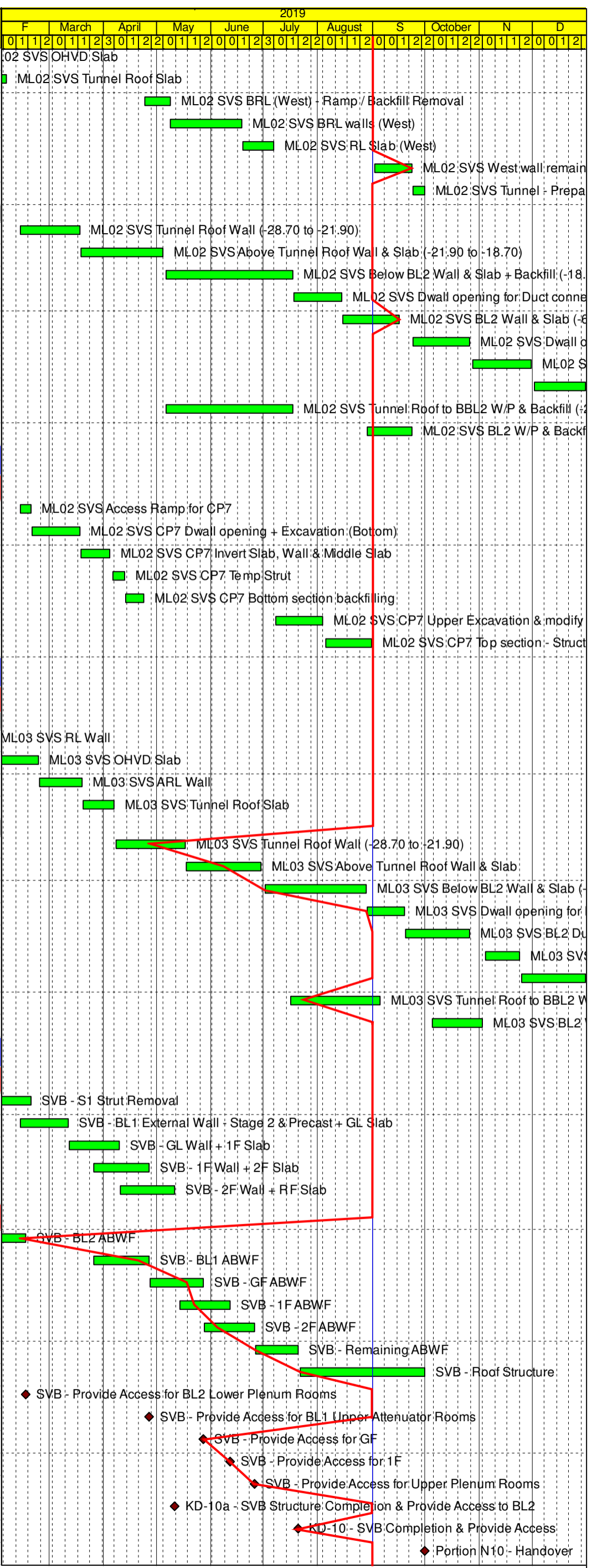
**South Ventilation Building**

**Structure**

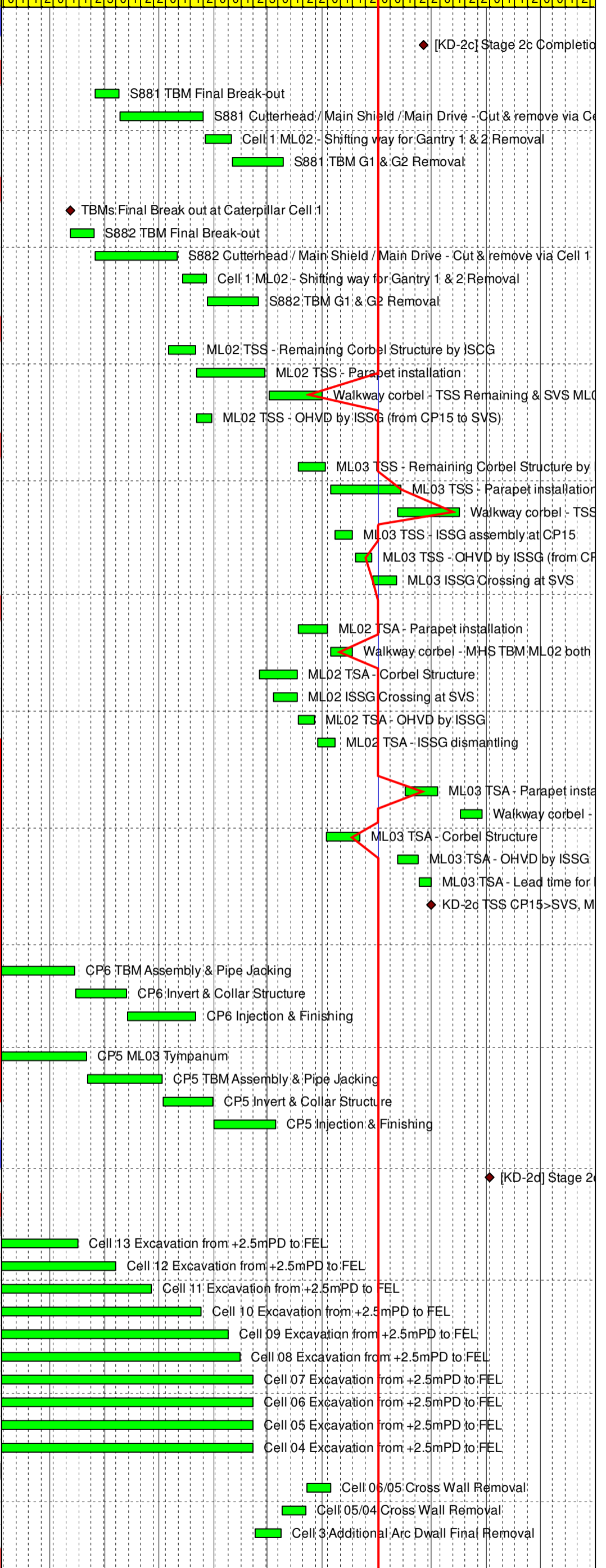
SVB - S1 Strut Removal	12	29-Jan-19	18-Feb-19
SVB - BL1 External Wall - Stage 2 & Precast + GL Slab	24	12-Feb-19	11-Mar-19
SVB - GL Wall + 1F Slab	24	12-Mar-19	09-Apr-19
SVB - 1F Wall + 2F Slab	24	26-Mar-19	26-Apr-19
SVB - 2F Wall + RF Slab	24	10-Apr-19	11-May-19

**ABWF**

SVB - BL2 ABWF	40	21-Dec-18	15-Feb-19
SVB - BL1 ABWF	24	26-Mar-19	26-Apr-19
SVB - GF ABWF	24	27-Apr-19	27-May-19
SVB - 1F ABWF	24	14-May-19	11-Jun-19
SVB - 2F ABWF	24	28-May-19	25-Jun-19
SVB - Remaining ABWF	21	26-Jun-19	20-Jul-19
SVB - Roof Structure	60	22-Jul-19	30-Sep-19
SVB - Provide Access for BL2 Lower Plenum Rooms	0		15-Feb-19
SVB - Provide Access for BL1 Upper Attenuator Rooms	0		26-Apr-19
SVB - Provide Access for GF	0		27-May-19
SVB - Provide Access for 1F	0		11-Jun-19
SVB - Provide Access for Upper Plenum Rooms	0		25-Jun-19
KD-10a - SVB Structure Completion & Provide Access to BL2	0		11-May-19*
KD-10 - SVB Completion & Provide Access	0		20-Jul-19*
Portion N10 - Handover	0		30-Sep-19*



Activity Name	Orig Dur	Start	Finish
<b>South Approach TBM Tunnel</b>			
[KD-2c] Stage 2c Completion - Remaining TSS & TSA	0		26-Sep-19*
<b>S881 TBM</b>			
S881 TBM Final Break-out	14	26-Mar-19	08-Apr-19
S881 Cutterhead / Main Shield / Main Drive - Cut & remove	36	09-Apr-19	25-May-19
Cell 1 ML02 - Shifting way for Gantry 1 & 2 Removal	12	27-May-19	10-Jun-19
S881 TBM G1 & G2 Removal	24	11-Jun-19	09-Jul-19
<b>S882 TBM</b>			
TBMs Final Break out at Caterpillar Cell 1	0	12-Mar-19	
S882 TBM Final Break-out	14	12-Mar-19	25-Mar-19
S882 Cutterhead / Main Shield / Main Drive - Cut & remove	36	26-Mar-19	11-May-19
Cell 1 ML02 - Shifting way for Gantry 1 & 2 Removal	12	14-May-19	27-May-19
S882 TBM G1 & G2 Removal	24	28-May-19	25-Jun-19
<b>ML02 TSS Internal Structure</b>			
ML02 TSS - Remaining Corbel Structure by ISCG	13	06-May-19	21-May-19
ML02 TSS - Parapet installation	33	22-May-19	29-Jun-19
Walkway corbel - TSS Remaining & SVS ML02 both side	26	02-Jul-19	31-Jul-19
ML02 TSS - OHVD by ISSG (from CP15 to SVS)	8	22-May-19	30-May-19
<b>ML03 TSS Internal Structure</b>			
ML03 TSS - Remaining Corbel Structure by ISCG	14	18-Jul-19	02-Aug-19
ML03 TSS - Parapet installation	35	05-Aug-19	13-Sep-19
Walkway corbel - TSS Remaining & SVS ML03 both side	27	12-Sep-19	16-Oct-19
ML03 TSS - ISSG assembly at CP15	9	08-Aug-19	17-Aug-19
ML03 TSS - OHVD by ISSG (from CP15 to SVS)	9	19-Aug-19	28-Aug-19
ML03 ISSG Crossing at SVS	12	29-Aug-19	11-Sep-19
<b>ML02 TSA Internal Structure</b>			
ML02 TSA - Parapet installation	15	18-Jul-19	03-Aug-19
Walkway corbel - MHS TBM ML02 both sides	12	05-Aug-19	17-Aug-19
ML02 TSA - Corbel Structure	18	26-Jun-19	17-Jul-19
ML02 ISSG Crossing at SVS	12	04-Jul-19	17-Jul-19
ML02 TSA - OHVD by ISSG	9	18-Jul-19	27-Jul-19
ML02 TSA - ISSG dismantling	9	29-Jul-19	07-Aug-19
<b>ML03 TSA Internal Structure</b>			
ML03 TSA - Parapet installation	16	16-Sep-19	04-Oct-19
Walkway corbel - MHS TBM ML03 both sides	11	17-Oct-19	29-Oct-19
ML03 TSA - Corbel Structure	16	03-Aug-19	21-Aug-19
ML03 TSA - OHVD by ISSG	9	12-Sep-19	23-Sep-19
ML03 TSA - Lead time for Fire Proofing	6	24-Sep-19	30-Sep-19
KD-2c TSS CP15>SVS, MHS TBM Tunnel - Provide Access	0		30-Sep-19*
<b>TSA Cross Passage</b>			
<b>CP6</b>			
CP6 TBM Assembly & Pipe Jacking	42	01-Feb-19	14-Mar-19
CP6 Invert & Collar Structure	24	15-Mar-19	12-Apr-19
CP6 Injection & Finishing	28	13-Apr-19	21-May-19
<b>CP5</b>			
CP5 ML03 Tympanum	36	01-Feb-19	21-Mar-19
CP5 TBM Assembly & Pipe Jacking	42	22-Mar-19	02-May-19
CP5 Invert & Collar Structure	24	03-May-19	31-May-19
CP5 Injection & Finishing	28	01-Jun-19	05-Jul-19
<b>MHS Cut-and-cover Tunnel</b>			
[KD-2d] Stage 2d Completion - MHS C&C Tunnel	0		02-Nov-19*
<b>N MHS C&amp;C Caterpillar Excavation</b>			
<b>MHS C&amp;C Cell 12 to 04</b>			
Cell 13 Excavation from +2.5mPD to FEL	75	10-Dec-18	16-Mar-19
Cell 12 Excavation from +2.5mPD to FEL	80	24-Dec-18	06-Apr-19
Cell 11 Excavation from +2.5mPD to FEL	89	02-Jan-19	26-Apr-19
Cell 10 Excavation from +2.5mPD to FEL	105	09-Jan-19	24-May-19
Cell 09 Excavation from +2.5mPD to FEL	105	23-Jan-19	08-Jun-19
Cell 08 Excavation from +2.5mPD to FEL	105	30-Jan-19	15-Jun-19
Cell 07 Excavation from +2.5mPD to FEL	111	30-Jan-19	22-Jun-19
Cell 06 Excavation from +2.5mPD to FEL	123	16-Jan-19	22-Jun-19
Cell 05 Excavation from +2.5mPD to FEL	129	09-Jan-19	22-Jun-19
Cell 04 Excavation from +2.5mPD to FEL	140	24-Dec-18	22-Jun-19
<b>Cross Wall Removal</b>			
Cell 06/05 Cross Wall Removal	12	23-Jul-19	05-Aug-19
Cell 05/04 Cross Wall Removal	12	09-Jul-19	22-Jul-19
Cell 3 Additional Arc Dwall Final Removal	12	24-Jun-19	08-Jul-19
<b>N MHS C&amp;C Caterpillar Structure</b>			



Activity Name	Orig Dur	Start	Finish	2019																						
				F		March			April			May		June		July		August		S	October		N	D		
				0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	0	1	2	0
Cell 13 FEL for C&C Structure Start	0		16-Mar-19										◆	◆												
Cell 12 FEL for C&C Structure Start	0		06-Apr-19										◆	◆												
Cell 11 FEL for C&C Structure Start	0		26-Apr-19											◆	◆											
Cell 10 FEL for C&C Structure Start	0		24-May-19												◆	◆										
Cell 09 FEL for C&C Structure Start	0		08-Jun-19												◆	◆										
Cell 08 FEL for C&C Structure Start	0		15-Jun-19												◆	◆										
Cell 07 FEL for C&C Structure Start	0		22-Jun-19												◆	◆										
Cell 06 FEL for C&C Structure Start	0		05-Aug-19														◆	◆								
Cell 05 FEL for C&C Structure Start	0		22-Jul-19														◆	◆								
Cell 04 FEL for C&C Structure Start	0		08-Jul-19														◆	◆								
Cell 03 FEL for C&C Structure Start	0		10-Jan-19	03	FEL for C&C Structure Start																					
Cell 02 FEL for C&C Structure Start	0		31-Jan-19	◆	Cell 02 FEL for C&C Structure Start																					

**Main Box Structure**

Cell 13 C&C Structure (In-situ) & system fwk assembly	163	18-Mar-19	04-Oct-19																							
Cell 12 C&C Structure - Base Slab, Wall & Top Slab & OH\	72	08-Apr-19	08-Jul-19																							
Cell 11 C&C Structure - Base Slab, Wall & Top Slab & OH\	72	29-Apr-19	25-Jul-19																							
Cell 10 C&C Structure - Base Slab, Wall & Top Slab & OH\	72	25-May-19	19-Aug-19																							
Cell 09 C&C Structure - Base Slab, Wall & Top Slab & OH\	72	13-Jun-19	05-Sep-19																							
Cell 08 C&C Structure - Base Slab, Wall & Top Slab & OH\	72	02-Jul-19	24-Sep-19																							
Cell 07 C&C Structure - Base Slab, Wall & Top Slab & OH\	72	19-Jul-19	14-Oct-19																							
Cell 06 C&C Structure - Base Slab, Wall & Top Slab & OH\	72	06-Aug-19	31-Oct-19																							
Cell 05 C&C Structure - Base Slab, Wall & Top Slab & OH\	78	03-Aug-19	05-Nov-19																							
Cell 04 C&C Structure - Base Slab, Wall & Top Slab & OH\	78	13-Jul-19	15-Oct-19																							
Cell 03 C&C Structure - Base Slab, Wall & Top Slab & OH\	78	02-Apr-19	10-Jul-19																							
Cell 02 C&C Structure - Base Slab, Wall & Top Slab & OH\	78	12-Mar-19	18-Jun-19																							
Cell 01 C&C Structure - Wall Structure	30	26-Jun-19	31-Jul-19																							
Cell 01 C&C Structure - Top Slab and OHVD Slab	36	10-Aug-19	21-Sep-19																							
Lead Time for MHS C&C Thermal Barrier	9	06-Nov-19	15-Nov-19																							
KD-2d MHS C&C Tunnel - Provide Access	0		15-Nov-19*																							

**MHS C&C Tunnel Backfilling**

MHS C&C Tunnel - Backfilling - Cell 13 to Cell 01	170	05-Oct-19	04-May-20																							
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**MHS Approach Ramp**

[KD-3i] Stage 3i Completion - South Approach Ramp	0		15-Oct-19*																							
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**MHS Approach Ramp Excavation**

MHS Caterpillar Cell 14 Excavation	75	10-Dec-18	16-Mar-19																							
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**MHS Approach Ramp Structure**

SAR Structure - Retaining Wall - strut section	92	10-Dec-18	06-Apr-19																							
SAR Structure - Base Slab - Cell 15	36	28-Jan-19	16-Mar-19																							
SAR Structure - Retaining Wall - Cell 15	66	04-Mar-19	25-May-19																							
SAR Structure - Base Slab - Cell 14	24	18-Mar-19	15-Apr-19																							
SAR Structure - Retaining Wall - Cell 14	78	16-Apr-19	23-Jul-19																							
SAR Structure - Mass Concrete	60	10-Jul-19	18-Sep-19																							
SAR Structure - Parapet & Walkway	45	21-Aug-19	15-Oct-19																							

**VO73 SCB Foundation & Substructure**

Foundation																										
SAR ELS Backfilling - SCB Pile Cap Location	8	03-Jan-19	11-Jan-19																							
SCB Pile Cap Structure	24	12-Jan-19	15-Feb-19																							
SAR ELS Backfilling - Portion N13K,J	14	24-Jan-19	15-Feb-19																							
Portion N11A,B, N13K,J - Handover	0		15-Feb-19																							

**Southern Landfall - Surface**

**HKBCF Seawall Modification (schedule TBC)**

Pause Period (to be verified on site)	90	27-Nov-18	24-Feb-19																							
HKBCF Vertical Seawall - place Rock underlayer upper	9	25-Feb-19	06-Mar-19																							
HKBCF Vertical Seawall - place Armour Rock	31	07-Mar-19	12-Apr-19																							

**UU / At-grade works**

Demobilization of Dwall site setup	78	08-Dec-18	19-Mar-19																							
Drainage & Watermain - SLF	216	20-Mar-19	09-Dec-19																							
Drainage & Watermain - SLF Portion N13Ji, Jii, Ki & Kii	82	16-Oct-19	23-Jan-20																							
Provision for Utilities - SLF West	110	13-Sep-19	29-Jan-20																							
Provision for Utilities - SLF East	110	29-Oct-19	11-Mar-20																							

