

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 & I	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
ML02			
ML02 Cell 1 & 2 OHVD Slab	24	16-Jan-19	19-Feb-19
ML03			
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 & I	0	02-Oct-19*	
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Portion N12 & Portion N6B

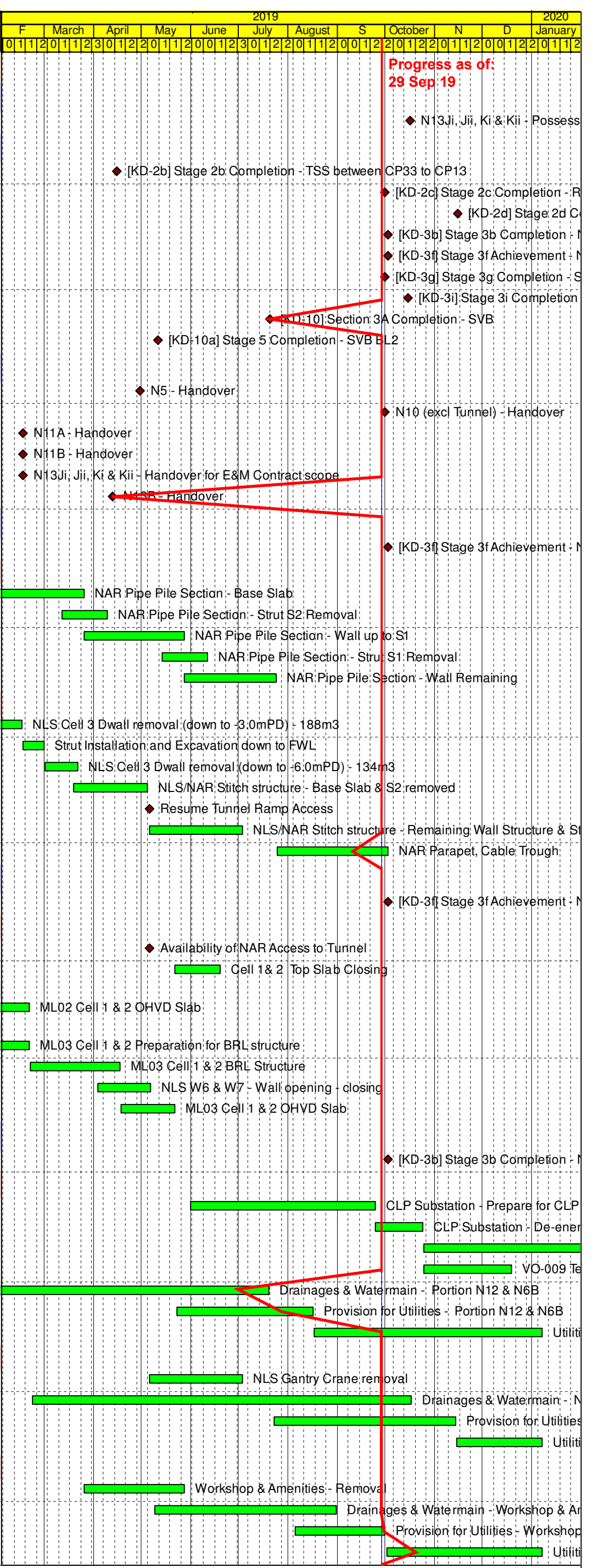
CLP Substation - Prepare for CLP Consent for de-energizat	96	01-Jun-19	24-Sep-19
CLP Substation - De-energization	24	25-Sep-19	24-Oct-19
CLP Substation - Dismantling & Removal	178	25-Oct-19	01-Jun-20
VO-009 Temporary Protection Barrier - Dismantling & Remc	48	25-Oct-19	19-Dec-19
Drainages & Watermain - 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

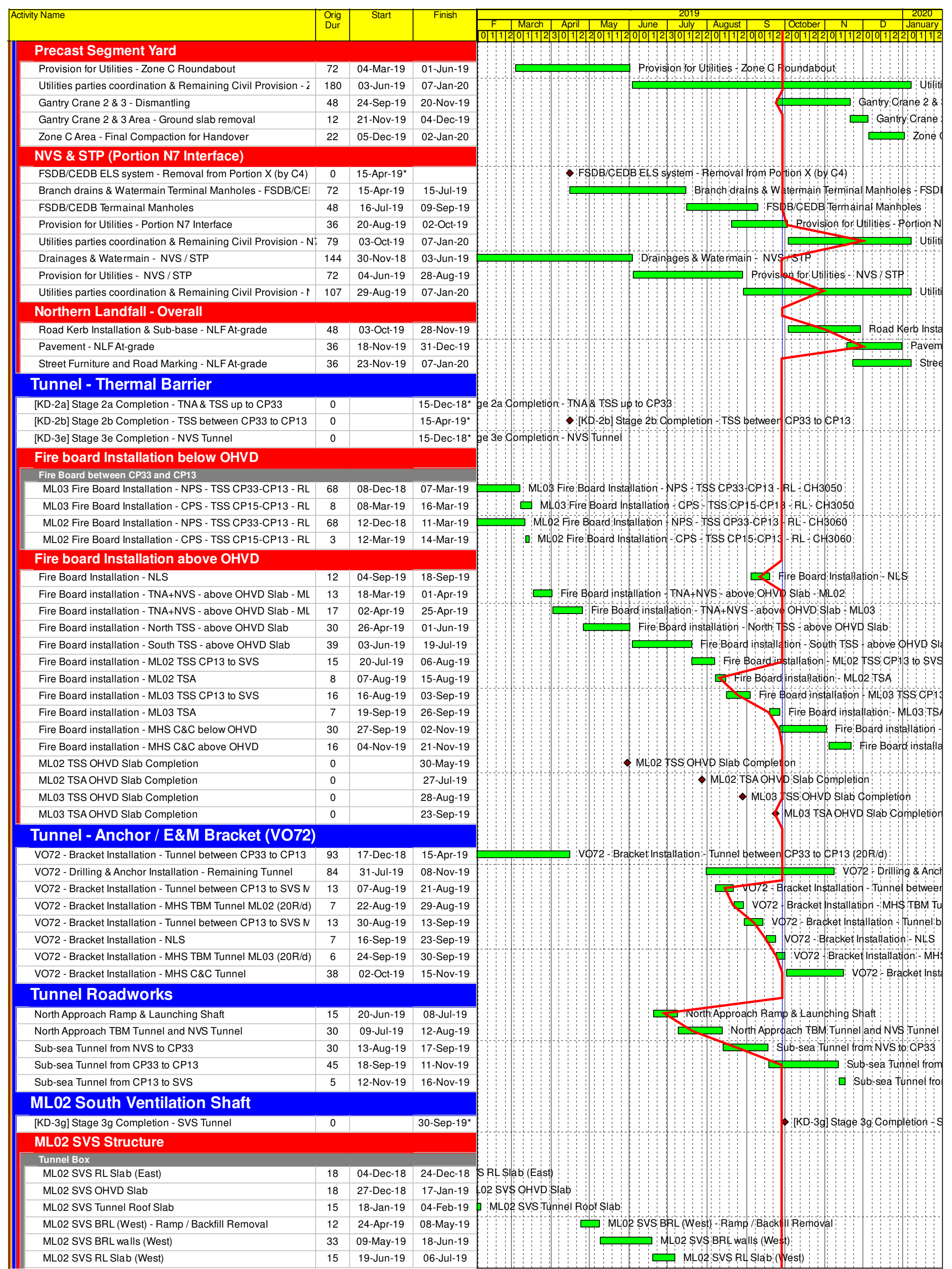
North Launching Shaft

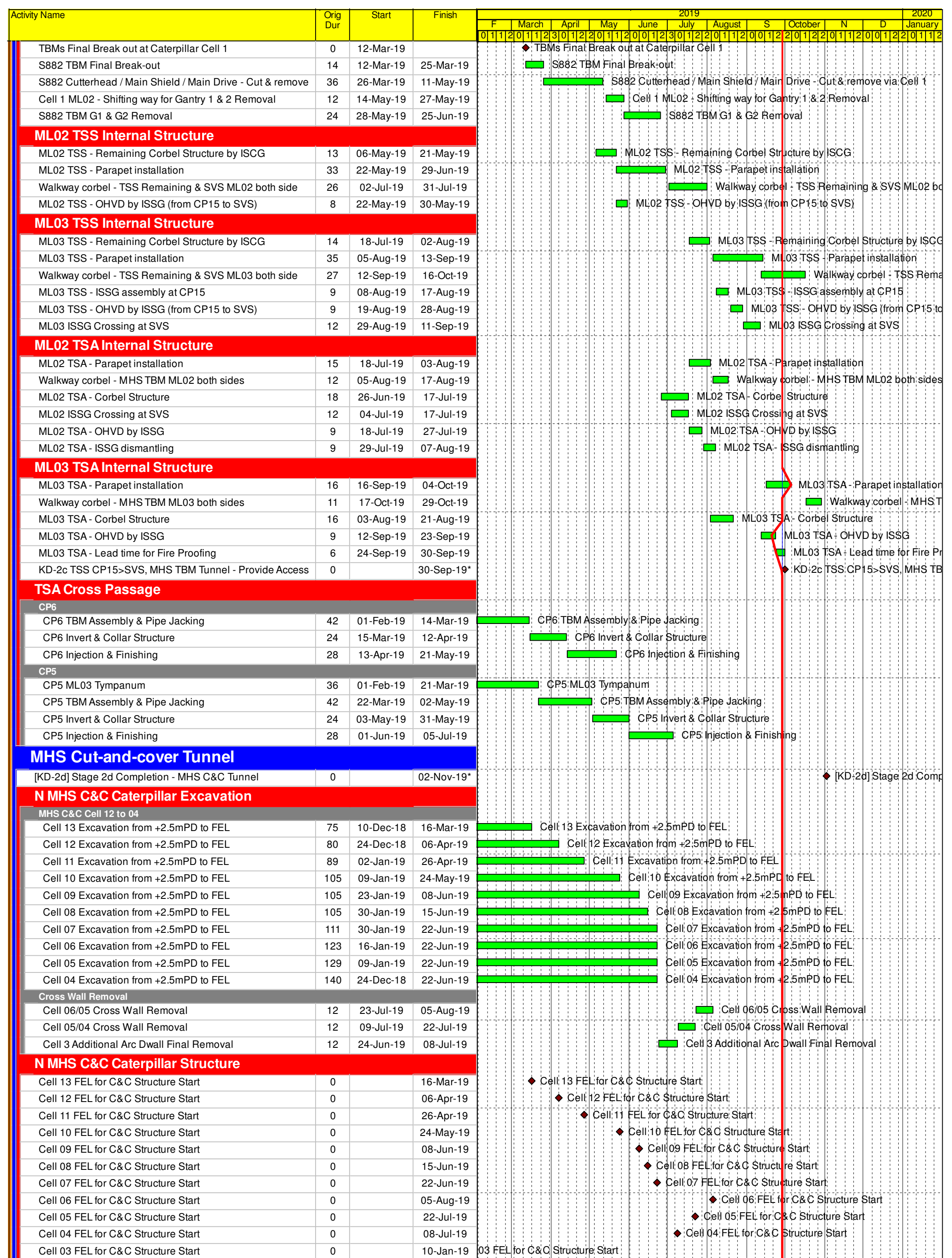
NLS Gantry Crane removal	48	06-May-19	03-Jul-19
Drainages & Watermain - NLS	194	21-Feb-19	17-Oct-19
Provision for Utilities - NLS	96	23-Jul-19	14-Nov-19
Utilities parties coordination & Remaining Civil Provision - I	43	15-Nov-19	07-Jan-20

Sloping Seawall

Workshop & Amenities - Removal	48	26-Mar-19	27-May-19
Drainages & Watermain - Workshop & Amenities	96	09-May-19	31-Aug-19
Provision for Utilities - Workshop & Amenities	48	05-Aug-19	30-Sep-19
Utilities parties coordination & Remaining Civil Provision - I	80	02-Oct-19	07-Jan-20







Activity Name	Orig Dur	Start	Finish	2019												2020																		
				F	March	April	May	June	July	August	S	October	N	D	January																			
Cell 02 FEL for C&C Structure Start	0		31-Jan-19	0	1	1	2	0	1	1	2	3	0	1	2	0	1	1	2	0	0	1	1	2	0	0	1	1	2	0	0	1	1	2
Cell 02 FEL for C&C Structure Start				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 13 C&C Structure (In-situ) & system fwk assembly																														
Cell 12 C&C Structure - Base Slab, Wall & Top Slab & OHV	72	08-Apr-19	08-Jul-19	Cell 12 C&C Structure - Base Slab, Wall & Top Slab & OHV																														
Cell 11 C&C Structure - Base Slab, Wall & Top Slab & OHV	72	29-Apr-19	25-Jul-19	Cell 11 C&C Structure - Base Slab, Wall & Top Slab & OHV																														
Cell 10 C&C Structure - Base Slab, Wall & Top Slab & OHV	72	25-May-19	19-Aug-19	Cell 10 C&C Structure - Base Slab, Wall & Top Slab & OHV																														
Cell 09 C&C Structure - Base Slab, Wall & Top Slab & OHV	72	13-Jun-19	05-Sep-19	Cell 09 C&C Structure - Base Slab, Wall & Top Slab & OHV																														
Cell 08 C&C Structure - Base Slab, Wall & Top Slab & OHV	72	02-Jul-19	24-Sep-19	Cell 08 C&C Structure - Base Slab, Wall & Top Slab & OHV																														
Cell 07 C&C Structure - Base Slab, Wall & Top Slab & OHV	72	19-Jul-19	14-Oct-19	Cell 07 C&C Structure - Base Slab, Wall & Top Slab & OHV																														
Cell 06 C&C Structure - Base Slab, Wall & Top Slab & OHV	72	06-Aug-19	31-Oct-19	Cell 06 C&C Structure - Base Slab, Wall & Top Slab & OHV																														
Cell 05 C&C Structure - Base Slab, Wall & Top Slab & OHV	78	03-Aug-19	05-Nov-19	Cell 05 C&C Structure - Base Slab, Wall & Top Slab & OHV																														
Cell 04 C&C Structure - Base Slab, Wall & Top Slab & OHV	78	13-Jul-19	15-Oct-19	Cell 04 C&C Structure - Base Slab, Wall & Top Slab & OHV																														
Cell 03 C&C Structure - Base Slab, Wall & Top Slab & OHV	78	02-Apr-19	10-Jul-19	Cell 03 C&C Structure - Base Slab, Wall & Top Slab & OHV																														
Cell 02 C&C Structure - Base Slab, Wall & Top Slab & OHV	78	12-Mar-19	18-Jun-19	Cell 02 C&C Structure - Base Slab, Wall & Top Slab & OHV																														
Cell 01 C&C Structure - Wall Structure	30	26-Jun-19	31-Jul-19	Cell 01 C&C Structure - Wall Structure																														
Cell 01 C&C Structure - Top Slab and OHVD Slab	36	10-Aug-19	21-Sep-19	Cell 01 C&C Structure - Top Slab and OHVD Slab																														
Lead Time for MHS C&C Thermal Barrier	9	06-Nov-19	15-Nov-19	Lead Time for MHS C&C Thermal Barrier																														
KD-2d MHS C&C Tunnel - Provide Access	0		15-Nov-19*	KD-2d MHS C&C Tunnel - Provide Access																														
MHS C&C Tunnel Backfilling																																		
MHS C&C Tunnel - Backfilling - Cell 13 to Cell 01	170	05-Oct-19	04-May-20	MHS C&C Tunnel - Backfilling - Cell 13 to Cell 01																														
MHS Approach Ramp																																		
[KD-3i] Stage 3i Completion - South Approach Ramp	0		15-Oct-19*	[KD-3i] Stage 3i Completion - South Approach Ramp																														
MHS Approach Ramp Excavation																																		
MHS Caterpillar Cell 14 Excavation	75	10-Dec-18	16-Mar-19	MHS Caterpillar Cell 14 Excavation																														
MHS Approach Ramp Structure																																		
SAR Structure - Retaining Wall - strut section	92	10-Dec-18	06-Apr-19	SAR Structure - Retaining Wall - strut section																														
SAR Structure - Base Slab - Cell 15	36	28-Jan-19	16-Mar-19	SAR Structure - Base Slab - Cell 15																														
SAR Structure - Retaining Wall - Cell 15	66	04-Mar-19	25-May-19	SAR Structure - Retaining Wall - Cell 15																														
SAR Structure - Base Slab - Cell 14	24	18-Mar-19	15-Apr-19	SAR Structure - Base Slab - Cell 14																														
SAR Structure - Retaining Wall - Cell 14	78	16-Apr-19	23-Jul-19	SAR Structure - Retaining Wall - Cell 14																														
SAR Structure - Mass Concrete	60	10-Jul-19	18-Sep-19	SAR Structure - Mass Concrete																														
SAR Structure - Parapet & Walkway	45	21-Aug-19	15-Oct-19	SAR Structure - Parapet & Walkway																														
VO73 SCB Foundation & Substructure																																		
Foundation																																		
SAR ELS Backfilling - SCB Pile Cap Location	8	03-Jan-19	11-Jan-19	SAR ELS Backfilling - SCB Pile Cap Location																														
SCB Pile Cap Structure	24	12-Jan-19	15-Feb-19	SCB Pile Cap Structure																														
SAR ELS Backfilling - Portion N13K,J	14	24-Jan-19	15-Feb-19	SAR ELS Backfilling - Portion N13K,J																														
Portion N11A,B, N13K,J - Handover	0		15-Feb-19	Portion N11A,B, N13K,J - Handover																														
Southern Landfall - Surface																																		
HKBCF Seawall Modification (schedule TBC)																																		
Pause Period (to be verified on site)	90	27-Nov-18	24-Feb-19	Pause Period (to be verified on site)																														
HKBCF Vertical Seawall - place Rock underlayer upper	9	25-Feb-19	06-Mar-19	HKBCF Vertical Seawall - place Rock underlayer upper																														
HKBCF Vertical Seawall - place Armour Rock	31	07-Mar-19	12-Apr-19	HKBCF Vertical Seawall - place Armour Rock																														
UU / At-grade works																																		
Demobilization of Dwall site setup	78	08-Dec-18	19-Mar-19	Demobilization of Dwall site setup																														
Drainage & Watermain - SLF	216	20-Mar-19	09-Dec-19	Drainage & Watermain - SLF																														
Drainage & Watermain - SLF Portion N13Ji, Jii, Ki & Kii	82	16-Oct-19	23-Jan-20	Drainage & Watermain - SLF Portion N13Ji, Jii, Ki & Kii																														
Provision for Utilities - SLF West	110	13-Sep-19	29-Jan-20	Provision for Utilities - SLF West																														
Provision for Utilities - SLF East	110	29-Oct-19	11-Mar-20	Provision for Utilities - SLF East																														



Date	Revision	Checked	Approved
22-Dec-17	Rev. H	WYu	
05-Feb-18	Rev. I AC	WYu	
07-Mar-18	Rev. I	WYu	
18-Jul-18	Rev. J	WYu	