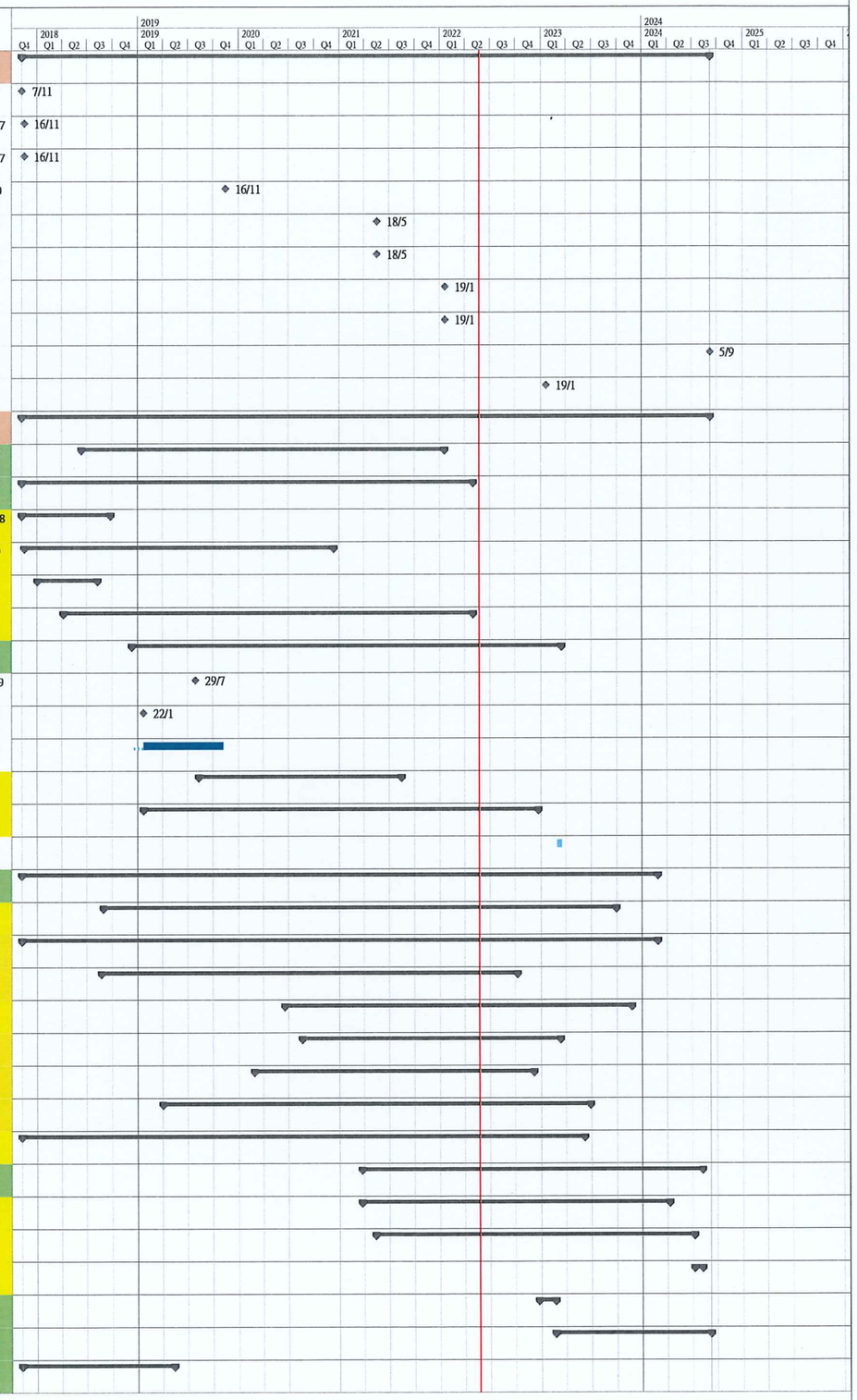
Appendix A

Construction Programme

The copyright of this document is owned by Acuity Sustainability Consulting Limited. It may not be reproduced except with prior written approval from the Company.

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
1	Key Dates	2495 days	Tue 7/11/17	Thu 5/9/24	Calendar Day			0%	Tue 7/11/17	NA
2	Contract Date	0 days	Tue 7/11/17	Tue 7/11/17	Calendar Day		67,59,60FS+27 days,61,62,58	100%	Tue 7/11/17	Tue 7/11/17
3	Starting Date	0 days	Thu 16/11/17	Thu 16/11/17	Calendar Day		4,5FS+730 days,6FS+1279 days	100%	Thu 16/11/17	Thu 16/11/17
4	Access Date of Portion A, B, C, D, E, F, G and J	0 days	Thu 16/11/17	Thu 16/11/17	Calendar Day	3	90,63,71,73,75,78,79	100%	Thu 16/11/17	Thu 16/11/17
5	Access Date of Portion H	0 days	Sat 16/11/19	Sat 16/11/19	Calendar Day	3FS+730 days	110	100%	Sat 16/11/19	Sat 16/11/19
6	Completion Date (Contract)	0 days	Tue 18/5/21	Tue 18/5/21	Calendar Day	3FS+1279 days	7	100%	Tue 18/5/21	Tue 18/5/21
7	EOT for CE No. 23 Inclement Weather - In June 2018	0 days	Tue 18/5/21	Tue 18/5/21	HK Working Day	6	8	100%	Tue 18/5/21	Tue 18/5/21
8	EOT for CE No. 01	246 days	Wed 19/5/21	Wed 19/1/22	Calendar Day	7	9FF	0%	NA	NA
9	Revised Completion Date	0 days	Wed 19/1/22	Wed 19/1/22	Calendar Day	8FF	11FS+365 days	0%	NA	NA
10	Planned Completion	0 days	Thu 5/9/24	Thu 5/9/24	Calendar Day	12FF		0%	NA	NA
11	Defect Date	0 days	Thu 19/1/23	Thu 19/1/23	Calendar Day	9FS+365 days		0%	NA	NA
12	Mainlaying In Tseung Kwan O	2495 days	Tue 7/11/17	Thu 5/9/24	Calendar Day		10FF	77%	Tue 7/11/17	NA
13	Issued Compensation Events (General)	1316 days	Tue 12/6/18	Tue 18/1/22	Calendar Day			100%	Tue 12/6/18	Tue 18/1/22
56	Preliminaries	1636 days	Tue 7/11/17	Sat 30/4/22	Calendar Day			100%	Tue 7/11/17	Sat 30/4/22
57	Submission and Permit Application	322 days	Tue 7/11/17	Mon 24/9/18	Calendar Day			100%	Tue 7/11/17	Mon 24/9/18
69	Subcontracting	1122 days	Thu 16/11/17	Fri 11/12/20	Calendar Day			100%	Thu 16/11/17	Fri 11/12/20
88	Site Establishment	220 days	Tue 2/1/18	Thu 9/8/18	Calendar Day			100%	Tue 2/1/18	Thu 9/8/18
91	Procurement of Major Material	1485 days	Sat 7/4/18	Sat 30/4/22	Calendar Day			100%	Sat 7/4/18	Sat 30/4/22
101	Mainlaying in Tseung Kwan O Area 137 (Portion H)	1260 days	Tue 11/12/18	Wed 15/3/23	HK Working Day			92%	Tue 11/12/18	NA
102	Early Possession of Portion H	0 days	Mon 29/7/19	Mon 29/7/19	Calendar Day			100%	Mon 29/7/19	Mon 29/7/19
103	Issue Date of CE No. 07 -Water Supply to No. TKO Desalination Plant at Portion H (NS250 HDPE Pipe)	0 days	Tue 22/1/19	Tue 22/1/19	Calendar Day		104	100%	Tue 22/1/19	Tue 22/1/19
104	Material Procurement and Delivery in Batches	330 days	Tue 11/12/18	Tue 5/11/19	Calendar Day	103		100%	Tue 11/12/18	Tue 5/11/19
105	Open Cut Excavation, Pipe Laying and Reinstatement at TKO Area 137	597 days	Sat 10/8/19	Sat 14/8/21	HK Working Day		761	100%	Sat 10/8/19	Sat 14/8/21
121	Trenchless Works (DN1200 MS PIPE + NS250 HDPE PIPE) at TKO Area 137	1162 days	Tue 22/1/19	Thu 22/12/22	HK Working Day		784,762	83%	Tue 22/1/19	NA
164	Final Connection of NS250 HDPE Pipe to Existing at Wan Po Road	14 days	Tue 28/2/23	Wed 15/3/23	HK Working Day	788		0%	NA	NA
165	Mainlaying From Boundary of Tseung Kwan O Area 137 to TKO Fresh Water Service Reservoir (Portion I)	1866 days	Tue 7/11/17	Mon 26/2/24	HK Working Day			74%	Tue 7/11/17	NA
166	Open Cut Excavation, Pipe Laying and Reinstatement at Wan Po Road	1506 days	Thu 30/8/18	Thu 28/9/23	HK Working Day			81%	Thu 30/8/18	NA
249	Trenchless Work at Wan Po Road From Pit A to Pit F	1866 days	Tue 7/11/17	Mon 26/2/24	HK Working Day			56%	Tue 7/11/17	NA
368	Open Cut Excavation, Pipe Laying and Reinstatement at TKO Landfill Stage 1 and TKO South Waterfront Promenade	1221 days	Thu 23/8/18	Fri 7/10/22	HK Working Day			91%	Thu 23/8/18	NA
413	Water Mains Near Pung Loi Road (CH.FD0+00 - CH.A3+51)	1020 days	Wed 17/6/20	Thu 23/11/23	HK Working Day			60%	Wed 17/6/20	NA
436	Water Mains near Pung Loi Road and Po Yap Road (CH.FE0+00 - CH.A3+58)	758 days	Thu 20/8/20	Sat 11/3/23	HK Working Day		765	78%	Thu 20/8/20	NA
479	Trenchless Work from Po Yap Road Roundabout to KMB Depot (Pit K to Pit L) (Pit O to Pit P)	822 days	Fri 28/2/20	Mon 5/12/22	HK Working Day		765	55%	Fri 28/2/20	NA
517	Trenchless Work from Po Yap Road Roundabout (Hong Kong Velodrome)	1251 days	Tue 2/4/19	Mon 26/6/23	HK Working Day		765	80%	Tue 2/4/19	NA
583	Water Mains from KMB Depot to TKO Fresh Water Preliminary Service Reservoir	1649 days	Tue 7/11/17	Mon 5/6/23	HK Working Day			80%	Tue 7/11/17	NA
759	DN800 - CH.ADN1200 MS Pipe Static Pressure Test, Pipeline Cleaning, CCTV Inspection, Sterilization and Water Sampling	1232 days	Wed 24/3/21	Tue 6/8/24	Calendar Day			13%	Wed 24/3/21	NA
760	Static Pressure Test	1112 days	Wed 24/3/21	Mon 8/4/24	Calendar Day			18%	Wed 24/3/21	NA
771	Pipeline Cleaning and CCTV Inspection	1153 days	Wed 12/5/21	Sun 7/7/24	Calendar Day			10%	Wed 12/5/21	NA
781	Sterilization and Water Sampling	30 days	Mon 8/7/24	Tue 6/8/24	Calendar Day			0%	NA	NA
783	NS250 HDPE Pipe Static Pressure, Pipeline Cleaning, CCTV Inspection, Sterilization and Water Sampling	60 days	Fri 23/12/22	Mon 20/2/23	Calendar Day			0%	NA	NA
786	Handover Portion I and Portion H to WSD Region	563 days	Tue 21/2/23	Thu 5/9/24	Calendar Day			0%	NA	NA
789	Water Supply to Tseung Kwan O Desalination Plant at Fill Bank of Tseung Kwan O Area 137 (Portion J)	445 days	Tue 7/11/17	Sat 11/5/19	HK Working Day			99%	Tue 7/11/17	NA

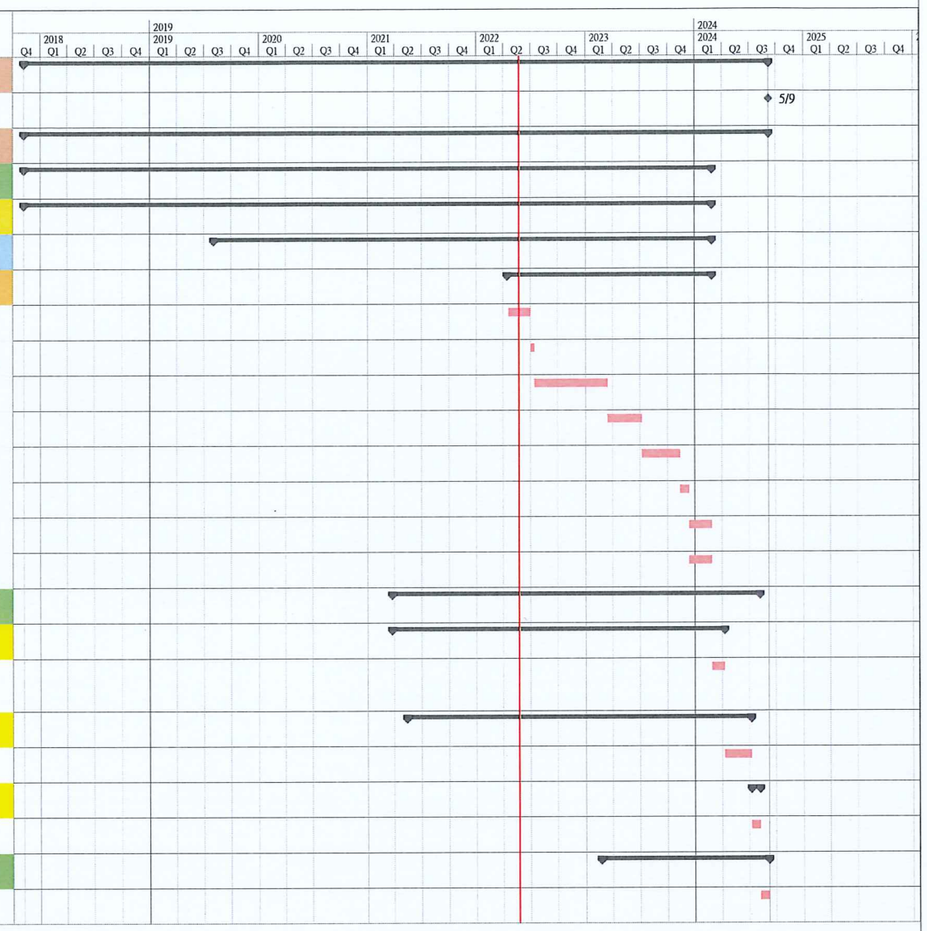


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
1	Key Dates	2495 days	Tue 7/11/17	Thu 5/9/24	Calendar Day			0%	Tue 7/11/17	NA
10	Planned Completion	0 days	Thu 5/9/24	Thu 5/9/24	Calendar Day	12FF		0%	NA	NA
12	Mainlaying In Tseung Kwan O	2495 days	Tue 7/11/17	Thu 5/9/24	Calendar Day		10FF	77%	Tue 7/11/17	NA
165	Mainlaying From Boundary of Tseung Kwan O Area 137 to TKO Fresh Water Service Reservoir (Portion I)	1866 days	Tue 7/11/17	Mon 26/2/24	HK Working Day			74%	Tue 7/11/17	NA
249	Trenchless Work at Wan Po Road From Pit A to Pit F	1866 days	Tue 7/11/17	Mon 26/2/24	HK Working Day			56%	Tue 7/11/17	NA
251	Trenchless Works (Pit A to Pit D)	1354 days	Fri 2/8/19	Mon 26/2/24	HK Working Day		763	51%	Fri 2/8/19	NA
273	New Routing From Pit A to Pit D)	553 days	Thu 14/4/22	Mon 26/2/24	HK Working Day			0%	Thu 14/4/22	NA
275	XP Application for WPR, SKR and Open Trench at Shek Kok Road	60 days	Tue 19/4/22	Thu 30/6/22	HK Working Day	274	278,279,286	0%	NA	NA
279	Trial Pit Excavation at Pit SKR	10 days	Sat 2/7/22	Wed 13/7/22	HK Working Day	275	288,285,284	0%	NA	NA
284	Pipe Laying (OC) from Pit SKR to Pit D (1st 200m)	200 days	Thu 14/7/22	Tue 14/3/23	HK Working Day	279	288	0%	NA	NA
288	Construction of Pit SKR	90 days	Wed 15/3/23	Thu 6/7/23	HK Working Day	279,284	290	0%	NA	NA
290	Headshield Tunneling fom Pit SKR to Pit WPR (64m)	107 days	Fri 7/7/23	Sat 11/11/23	HK Working Day	288	292	0%	NA	NA
292	MS Pipe Laying in Segment from Pit SKR to Pit WPR	30 days	Sun 12/11/23	Mon 11/12/23	Calendar Day	290	295,296	0%	NA	NA
295	Pipe Connection Works and construction of Inspoection Chamber at Pit WPR	60 days	Tue 12/12/23	Mon 26/2/24	HK Working Day	292,283		0%	NA	NA
296	Pipe Connection Works and construction of Washout Chamber at Pit SKR	60 days	Tue 12/12/23	Mon 26/2/24	HK Working Day	292		0%	NA	NA
759	DN800 - CH.ADN1200 MS Pipe Static Pressure Test, Pipeline Cleaning, CCTV Inspection, Sterilization and Water Sampling	1232 days	Wed 24/3/21	Tue 6/8/24	Calendar Day			13%	Wed 24/3/21	NA
760	Static Pressure Test	1112 days	Wed 24/3/21	Mon 8/4/24	Calendar Day			18%	Wed 24/3/21	NA
763	DN1200 MS Pipe - Static Pressure Test From DN900 Valve Chamber at Wan Po Road (CH.A12+50) to DN900 Valve Chamber at TKO Landfill Stage I Area A (CH.FB1+66) (Approx. 1.4km)	42 days	Tue 27/2/24	Mon 8/4/24	Calendar Day	224,251,306	774	0%	NA	NA
771	Pipeline Cleaning and CCTV Inspection	1153 days	Wed 12/5/21	Sun 7/7/24	Calendar Day			10%	Wed 12/5/21	NA
774	DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN900 Valve Chamber at Wan Po Road (CH.A12+50) to DN900 Valve Chamber at TKO Landfill Stage I Area A	90 days	Tue 9/4/24	Sun 7/7/24	Calendar Day	763	782	0%	NA	NA
781	Sterilization and Water Sampling	30 days	Mon 8/7/24	Tue 6/8/24	Calendar Day			0%	NA	NA
782	DN1200 MS Pipe - Portion I & Portion H (Total Water = 9700 cu.m)	30 days	Mon 8/7/24	Tue 6/8/24	Calendar Day	772,773,774,775,777,778,7	787	0%	NA	NA
786	Handover Portion I and Portion H to WSD Region	563 days	Tue 21/2/23	Thu 5/9/24	Calendar Day			0%	NA	NA
787	DN1200 MS Pipe - Portion I & Portion H (Area 137)	30 days	Wed 7/8/24	Thu 5/9/24	Calendar Day	782		0%	NA	NA

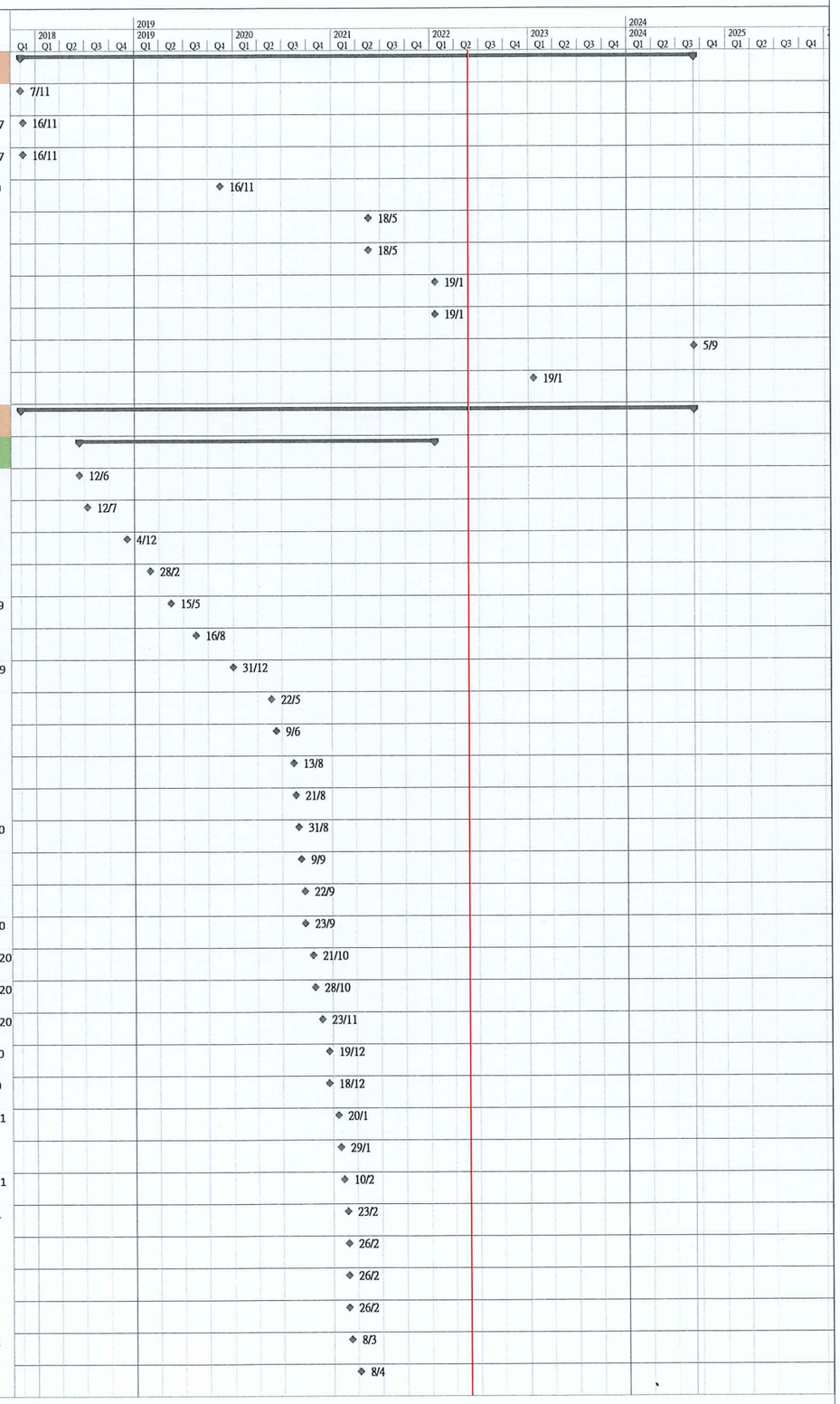


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
1	**Key Dates**	**2495 days**	**Tue 7/11/17**	**Thu 5/9/24**	**Calendar Day**			**0%**	**Tue 7/11/17**	**NA**
2	Contract Date	0 days	Tue 7/11/17	Tue 7/11/17	Calendar Day		67,59,60FS+27 days,61,62,58	100%	Tue 7/11/17	Tue 7/11/17
3	Starting Date	0 days	Thu 16/11/17	Thu 16/11/17	Calendar Day		4,5FS+730 days,6FS+1279 days	100%	Thu 16/11/17	Thu 16/11/17
4	Access Date of Portion A, B, C, D, E, F, G and J	0 days	Thu 16/11/17	Thu 16/11/17	Calendar Day	3	90,63,71,73,75,78,79	100%	Thu 16/11/17	Thu 16/11/17
5	Access Date of Portion H	0 days	Sat 16/11/19	Sat 16/11/19	Calendar Day	3FS+730 days	110	100%	Sat 16/11/19	Sat 16/11/19
6	Completion Date (Contract)	0 days	Tue 18/5/21	Tue 18/5/21	Calendar Day	3FS+1279 days	7	100%	Tue 18/5/21	Tue 18/5/21
7	EOT for CE No. 23 Inclement Weather - In June 2018	0 days	Tue 18/5/21	Tue 18/5/21	HK Working Day	6	8	100%	Tue 18/5/21	Tue 18/5/21
8	EOT for CE No. 01	246 days	Wed 19/5/21	Wed 19/1/22	Calendar Day	7	9FF	0%	NA	NA
9	Revised Completion Date	0 days	Wed 19/1/22	Wed 19/1/22	Calendar Day	8FF	11FS+365 days	0%	NA	NA
10	Planned Completion	0 days	Thu 5/9/24	Thu 5/9/24	Calendar Day	12FF		0%	NA	NA
11	Defect Date	0 days	Thu 19/1/23	Thu 19/1/23	Calendar Day	9FS+365 days		0%	NA	NA
12	**Mainlaying In Tseung Kwan O**	**2495 days**	**Tue 7/11/17**	**Thu 5/9/24**	**Calendar Day**		**10FF**	**77%**	**Tue 7/11/17**	**NA**
13	**Issued Compensation Events (General)**	**1316 days**	**Tue 12/6/18**	**Tue 18/1/22**	**Calendar Day**			**100%**	**Tue 12/6/18**	**Tue 18/1/22**
14	Issue CE No. 03 - Upgrading of bandwidth of Internet Services for Site Accommodation	0 days	Tue 12/6/18	Tue 12/6/18	Calendar Day		68	100%	Tue 12/6/18	Tue 12/6/18
15	Issue CE No. 01 - Change in Pressure Rating of Watermain, Valves and Fittings from PN16 to PN25	0 days	Thu 12/7/18	Thu 12/7/18	Calendar Day		68	100%	Thu 12/7/18	Thu 12/7/18
16	Issue CE No. 08 - Change in Number of Fixed IP Address for Broadband Connection for Site Accommodation	0 days	Tue 4/12/18	Tue 4/12/18	Calendar Day			100%	Tue 4/12/18	Tue 4/12/18
17	Issue CE No. 10 - Contractor Design of The Realignment	0 days	Thu 28/2/19	Thu 28/2/19	Calendar Day			100%	Thu 28/2/19	Thu 28/2/19
18	Issue CE No. 13 - Excavation of Inspection Pits for the Realignments	0 days	Wed 15/5/19	Wed 15/5/19	Calendar Day			100%	Wed 15/5/19	Wed 15/5/19
19	Issue CE No. 26 - Change in Cathodic Protection System for Mild Steel Pipes	0 days	Fri 16/8/19	Fri 16/8/19	Calendar Day		85	100%	Fri 16/8/19	Fri 16/8/19
20	Issue CE No. 35 - Feasibility Study on the Alternative Alignment by Trenchless Method in the Wan Po Road J/O Lohas Park Road	0 days	Tue 31/12/19	Tue 31/12/19	Calendar Day			100%	Tue 31/12/19	Tue 31/12/19
21	Issue CE No. 56 - Excavation of Inspection Pits for the Alternative Alignment (Batch No. 2)	0 days	Fri 22/5/20	Fri 22/5/20	Calendar Day			100%	Fri 22/5/20	Fri 22/5/20
22	Issue CE No. 64 - Tree Survey at Tsui Lam (Location A and Location B)	0 days	Tue 9/6/20	Tue 9/6/20	Calendar Day			100%	Tue 9/6/20	Tue 9/6/20
23	Issue CE No. 74 - Reinstatement of existing carriageway along Wan Po Road using PMSMA10	0 days	Thu 13/8/20	Thu 13/8/20	Calendar Day			100%	Thu 13/8/20	Thu 13/8/20
24	Issue CE No. 66 - Excavation of Inspection Pits for the Alternative Alignment (Batch No. 3)	0 days	Fri 21/8/20	Fri 21/8/20	Calendar Day			100%	Fri 21/8/20	Fri 21/8/20
25	Issue CE No. 72 - Temporary Reinstatement of Deteriorated Grasscrete Road by Bituminous Pavement along TKO South Waterfront Promenade	0 days	Mon 31/8/20	Mon 31/8/20	Calendar Day			100%	Mon 31/8/20	Mon 31/8/20
26	Issue CE No. 73 - Reinstatement of existing Geotextile in Area of Stage 1 Landfill between Chainage FC12+20 and Chainage FC13+26	0 days	Wed 9/9/20	Wed 9/9/20	Calendar Day			100%	Wed 9/9/20	Wed 9/9/20
27	Issue CE No. 81 - Additional Noise Monitoring for the Realignment Works	0 days	Tue 22/9/20	Tue 22/9/20	Calendar Day			100%	Tue 22/9/20	Tue 22/9/20
28	Issue CE No. 78 - Excavation of Inspection Pits for Additional Connection Point to The Existing Water Supply system	0 days	Wed 23/9/20	Wed 23/9/20	Calendar Day			100%	Wed 23/9/20	Wed 23/9/20
29	Issue CE No. 82 - Suspension of Site Works due to Coronavirus Disease	0 days	Wed 21/10/20	Wed 21/10/20	Calendar Day			100%	Wed 21/10/20	Wed 21/10/20
30	Issue CE No. 85 - Affected Trees across the Natural Stream Course at Tsui Lam (Location A)	0 days	Wed 28/10/20	Wed 28/10/20	Calendar Day			100%	Wed 28/10/20	Wed 28/10/20
31	Issue CE No. 90 - Temporary Relocation of Bicycle Parking spaces near HK Velodrome	0 days	Mon 23/11/20	Mon 23/11/20	Calendar Day			100%	Mon 23/11/20	Mon 23/11/20
32	Issue CE No. 83 - Inspection pits for the Realignment in Wan Po Road and Lohas Park Road	0 days	Sat 19/12/20	Sat 19/12/20	Calendar Day			100%	Sat 19/12/20	Sat 19/12/20
33	Issue CE No. CE - Site Clearance of Affected Trees and Plants for Mainlaying works near Po Hong Road and Ling Hong Road	0 days	Fri 18/12/20	Fri 18/12/20	Calendar Day			100%	Fri 18/12/20	Fri 18/12/20
34	Issue CE No. 99 - Excavation of Inspection pit near Mau Wu Tsai Village at Po Lam Road South	0 days	Wed 20/1/21	Wed 20/1/21	Calendar Day			100%	Wed 20/1/21	Wed 20/1/21
35	Issue CE No. 101 - Uncharted Irrigation Pipe in TKO South Promenade Waterfront's Cycle Track at CH.FC6+64	0 days	Fri 29/1/21	Fri 29/1/21	Calendar Day			100%	Fri 29/1/21	Fri 29/1/21
36	Issue CE No. 103 - Renewal of Excavation Permit	0 days	Wed 10/2/21	Wed 10/2/21	Calendar Day			100%	Wed 10/2/21	Wed 10/2/21
37	Issue CE No. 105 - Suspension of Works in Wan Po Road 1st Works Site due to Shortage of Backfilling Material Caused by COVID-19	0 days	Tue 23/2/21	Tue 23/2/21	Calendar Day			100%	Tue 23/2/21	Tue 23/2/21
38	Issue CE No. 104 - Works in Tsui Lam Section (Batch No.2) were Suspended due to Disruption to Supply of Construction Material Caused b COVID-19	0 days	Fri 26/2/21	Fri 26/2/21	Calendar Day			100%	Fri 26/2/21	Fri 26/2/21
39	Issue CE No. 106 - Works in Tsui Lam Section (Batch No.3) were Suspended due to Disruption to Supply of Construction Material Caused b COVID-19	0 days	Fri 26/2/21	Fri 26/2/21	Calendar Day			100%	Fri 26/2/21	Fri 26/2/21
40	Issue CE No. 108 - Works in Tsui Lam Section (Batch No.3) were Suspended due to Disruption to Supply of Construction Material Caused b COVID-19	0 days	Fri 26/2/21	Fri 26/2/21	Calendar Day			100%	Fri 26/2/21	Fri 26/2/21
41	Issue CE No. 107 - Affected Trees near Mau Wu Tsai Village between CH.HA0+00 and Ch. HA0+70	0 days	Mon 8/3/21	Mon 8/3/21	Calendar Day			100%	Mon 8/3/21	Mon 8/3/21
42	Issue CE No. 110 - Inaccessible to Works Area Ch.HA2+10 due to Deteriorated Concrete Access	0 days	Thu 8/4/21	Thu 8/4/21	Calendar Day			100%	Thu 8/4/21	Thu 8/4/21

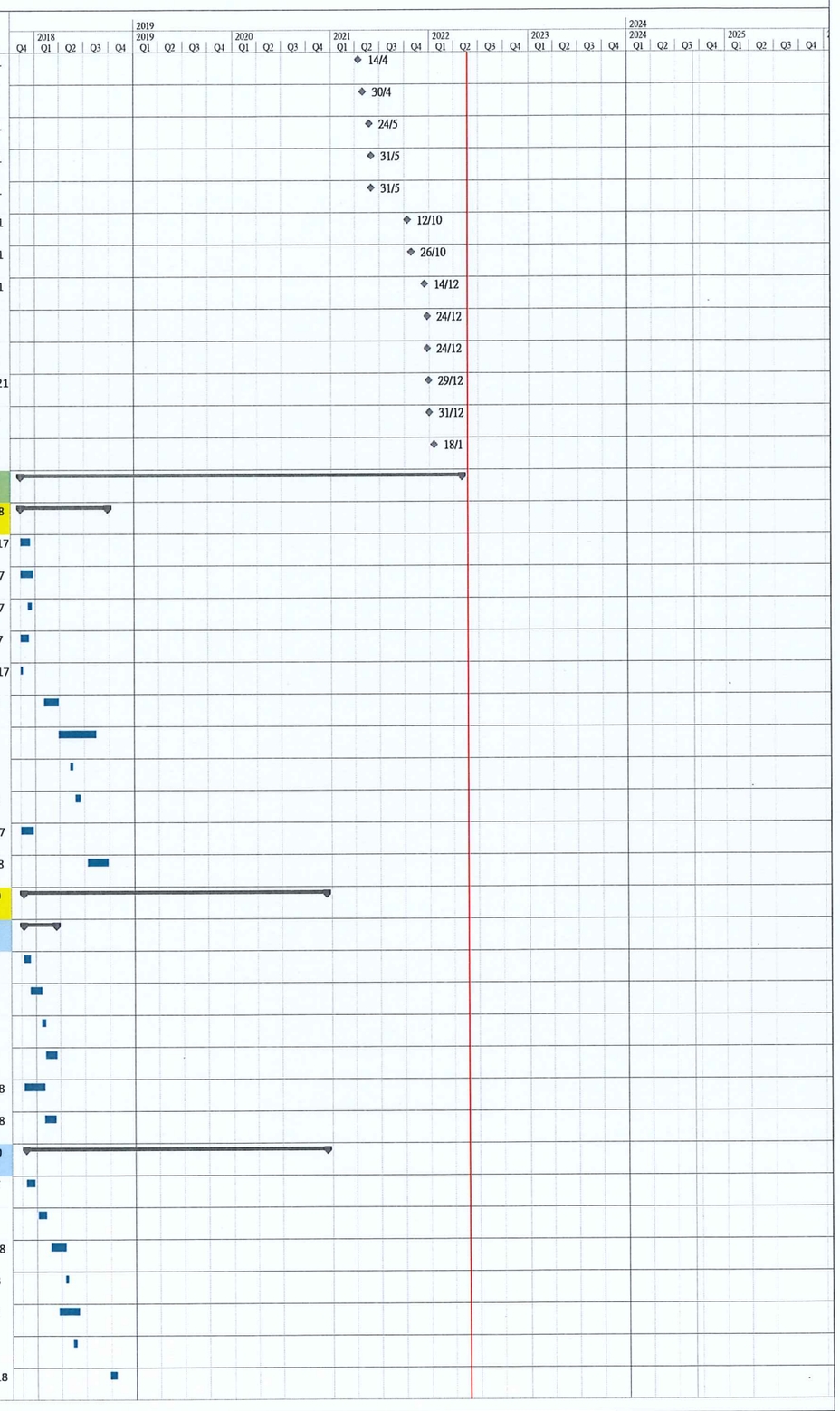


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
43	Issue CE No. 112 - Works Delayed in Portion H due to COVID-19	0 days	Wed 14/4/21	Wed 14/4/21	Calendar Day			100%	Wed 14/4/21	Wed 14/4/21
44	Issue CE No. 113 - Special Cleaning of Workfronts from CH.A0+00 to CH.A13+70 at Wan Po Road	0 days	Fri 30/4/21	Fri 30/4/21	Calendar Day			100%	Fri 30/4/21	Fri 30/4/21
45	Issue CE No. 116 - Special Mosquito and Biting Midges Prevention Measures from CH.FB0+00 to Ch.FB5+34 and Ch.FC0+0 0to FC13+26 along TKO South Waterfront	0 days	Mon 24/5/21	Mon 24/5/21	Calendar Day			100%	Mon 24/5/21	Mon 24/5/21
46	Issue CE No. 119 - Professional Indemnity Insurance for the Conforming Designs unde CE No.55, 62 and 77	0 days	Mon 31/5/21	Mon 31/5/21	Calendar Day			100%	Mon 31/5/21	Mon 31/5/21
47	Issue CE No. 120 - Left-in Sheet Pile for Manual Excavation in Po Lam Road at CH.HA6+55	0 days	Mon 31/5/21	Mon 31/5/21	Calendar Day			100%	Mon 31/5/21	Mon 31/5/21
48	Issue CE No. 127 - Manual Excavation under Unexpectedly long and contonuous extent of UU obstruction in Wan Po Road at CH. A0+88	0 days	Tue 12/10/21	Tue 12/10/21	Calendar Day			100%	Tue 12/10/21	Tue 12/10/21
49	Issue CE No. 129 - Special Cleaning of Workfronts from CH.HA0+00 to CH.A13+70 at Wan po Road in Sep 2021	0 days	Tue 26/10/21	Tue 26/10/21	Calendar Day			100%	Tue 26/10/21	Tue 26/10/21
50	Issue CE No. 100 - Additional Mainlaying Works at Ling Hong Road and HK Velodrome	0 days	Tue 14/12/21	Tue 14/12/21	Calendar Day			100%	Tue 14/12/21	Tue 14/12/21
51	Issue CE No. 131 - Additional Traffic Court and Analysis for TTA Application	0 days	Fri 24/12/21	Fri 24/12/21	Calendar Day			100%	Fri 24/12/21	Fri 24/12/21
52	Issue CE No. 138 - Additional Inspection Pits for Realignment of DN800 Water Main in TKOFWPSR	0 days	Fri 24/12/21	Fri 24/12/21	Calendar Day			100%	Fri 24/12/21	Fri 24/12/21
53	Issue CE No. 141 - Provision of Suitable land Transport for Site Supervision in Tseung Kwan O Area 137 (Dec 2021 - Sept 2022)	0 days	Wed 29/12/21	Wed 29/12/21	Calendar Day			100%	Wed 29/12/21	Wed 29/12/21
54	Issue CE No. 136 - Additional Resurfacing Works at Wan Po Road Near TKO Area 137	0 days	Fri 31/12/21	Fri 31/12/21	Calendar Day			100%	Fri 31/12/21	Fri 31/12/21
55	Issue CE No. 57 - Realignment of Water Main by Trenchless Method in SENTX Portion in TKO Area 137	0 days	Tue 18/1/22	Tue 18/1/22	Calendar Day		125FF	100%	Tue 18/1/22	Tue 18/1/22
56	**Preliminaries**	**1636 days**	**Tue 7/11/17**	**Sat 30/4/22**	**Calendar Day**			**100%**	**Tue 7/11/17**	**Sat 30/4/22**
57	**Submission and Permit Application**	**322 days**	**Tue 7/11/17**	**Mon 24/9/18**	**Calendar Day**			**100%**	**Tue 7/11/17**	**Mon 24/9/18**
58	Submission of Safety Plan	35 days	Tue 7/11/17	Mon 11/12/17	Calendar Day	2		100%	Tue 7/11/17	Mon 11/12/17
59	Submission of Site Management Plan and Trip Ticket	45 days	Tue 7/11/17	Thu 21/12/17	Calendar Day	2		100%	Tue 7/11/17	Thu 21/12/17
60	Submission of Key People	14 days	Mon 4/12/17	Sun 17/12/17	Calendar Day	2FS+27 days		100%	Mon 4/12/17	Sun 17/12/17
61	Submission of Subcontractor Management Plan	30 days	Tue 7/11/17	Wed 6/12/17	Calendar Day	2		100%	Tue 7/11/17	Wed 6/12/17
62	Submission of First Programme	7 days	Tue 7/11/17	Mon 13/11/17	Calendar Day	2		100%	Tue 7/11/17	Mon 13/11/17
63	Submission of Pipe Material (PN16)	54 days	Thu 1/2/18	Tue 27/3/18	Calendar Day	4	64	100%	Thu 1/2/18	Tue 27/3/18
64	Approval of Pipe material submission (PN16)	137 days	Wed 28/3/18	Sat 11/8/18	Calendar Day	63	92SS+7 days	100%	Wed 28/3/18	Sat 11/8/18
65	Appointment of Environmental Team	10 days	Wed 9/5/18	Fri 18/5/18	Calendar Day	81	66	100%	Wed 9/5/18	Fri 18/5/18
66	Environmental Baseline Monitoring	17 days	Tue 29/5/18	Thu 14/6/18	Calendar Day	65		100%	Tue 29/5/18	Thu 14/6/18
67	Submission of Environmental Management Plan	45 days	Tue 7/11/17	Thu 21/12/17	Calendar Day	2		100%	Tue 7/11/17	Thu 21/12/17
68	Submission & Approval of CE01 Pipe Material PN25	75 days	Thu 12/7/18	Mon 24/9/18	Calendar Day	14,15	96	100%	Thu 12/7/18	Mon 24/9/18
69	**Subcontracting**	**1122 days**	**Thu 16/11/17**	**Fri 11/12/20**	**Calendar Day**			**100%**	**Thu 16/11/17**	**Fri 11/12/20**
70	**Submission and Approval**	**122 days**	**Thu 16/11/17**	**Sat 17/3/18**	**Calendar Day**			**100%**	**Thu 16/11/17**	**Sat 17/3/18**
71	Submission of sub-contractor selection procedure	24 days	Thu 16/11/17	Sat 9/12/17	Calendar Day	4	72	100%	Thu 16/11/17	Sat 9/12/17
72	Approval of sub-contractor selection procedure	42 days	Sun 10/12/17	Sat 20/1/18	Calendar Day	71	87,82,83FS+10 days,86	100%	Sun 10/12/17	Sat 20/1/18
73	Submission of Sub-contractor Condition	14 days	Sun 21/1/18	Sat 3/2/18	Calendar Day	4	74	100%	Sun 21/1/18	Sat 3/2/18
74	Approval of Sub-contractor Condition	42 days	Sun 4/2/18	Sat 17/3/18	Calendar Day	73	87,82,83FS+10 days,86	100%	Sun 4/2/18	Sat 17/3/18
75	Submission of Supplier Selection Procedure	75 days	Thu 16/11/17	Mon 29/1/18	Calendar Day	4	76	100%	Thu 16/11/17	Mon 29/1/18
76	Approval of Supplier Selection Procedure	42 days	Tue 30/1/18	Mon 12/3/18	Calendar Day	75	92	100%	Tue 30/1/18	Mon 12/3/18
77	**Subcontractor Selection and Subcontracting**	**1115 days**	**Thu 23/11/17**	**Fri 11/12/20**	**Calendar Day**			**100%**	**Thu 23/11/17**	**Fri 11/12/20**
78	Traffic Consultant for Investigation Works	30 days	Thu 23/11/17	Fri 22/12/17	Calendar Day	4		100%	Thu 23/11/17	Fri 22/12/17
79	Consultancy: Landscape for Investigation works	30 days	Fri 5/1/18	Sat 3/2/18	Calendar Day	4	250	100%	Fri 5/1/18	Sat 3/2/18
80	Consultancy: Traffic consultant	55 days	Wed 21/2/18	Mon 16/4/18	Calendar Day			100%	Wed 21/2/18	Mon 16/4/18
81	Environmental Team	9 days	Mon 16/4/18	Tue 24/4/18	Calendar Day		65	100%	Mon 16/4/18	Tue 24/4/18
82	Temporary site office, hoarding & project sign board	75 days	Thu 22/3/18	Mon 4/6/18	Calendar Day	74,72	89FS+13 days	100%	Thu 22/3/18	Mon 4/6/18
83	Consultancy: Independent Checking Engineer	12 days	Mon 14/5/18	Fri 25/5/18	Calendar Day	72FS+10 days,74FS+10 days		100%	Mon 14/5/18	Fri 25/5/18
84	Survey Services	23 days	Wed 26/9/18	Thu 18/10/18	Calendar Day			100%	Wed 26/9/18	Thu 18/10/18

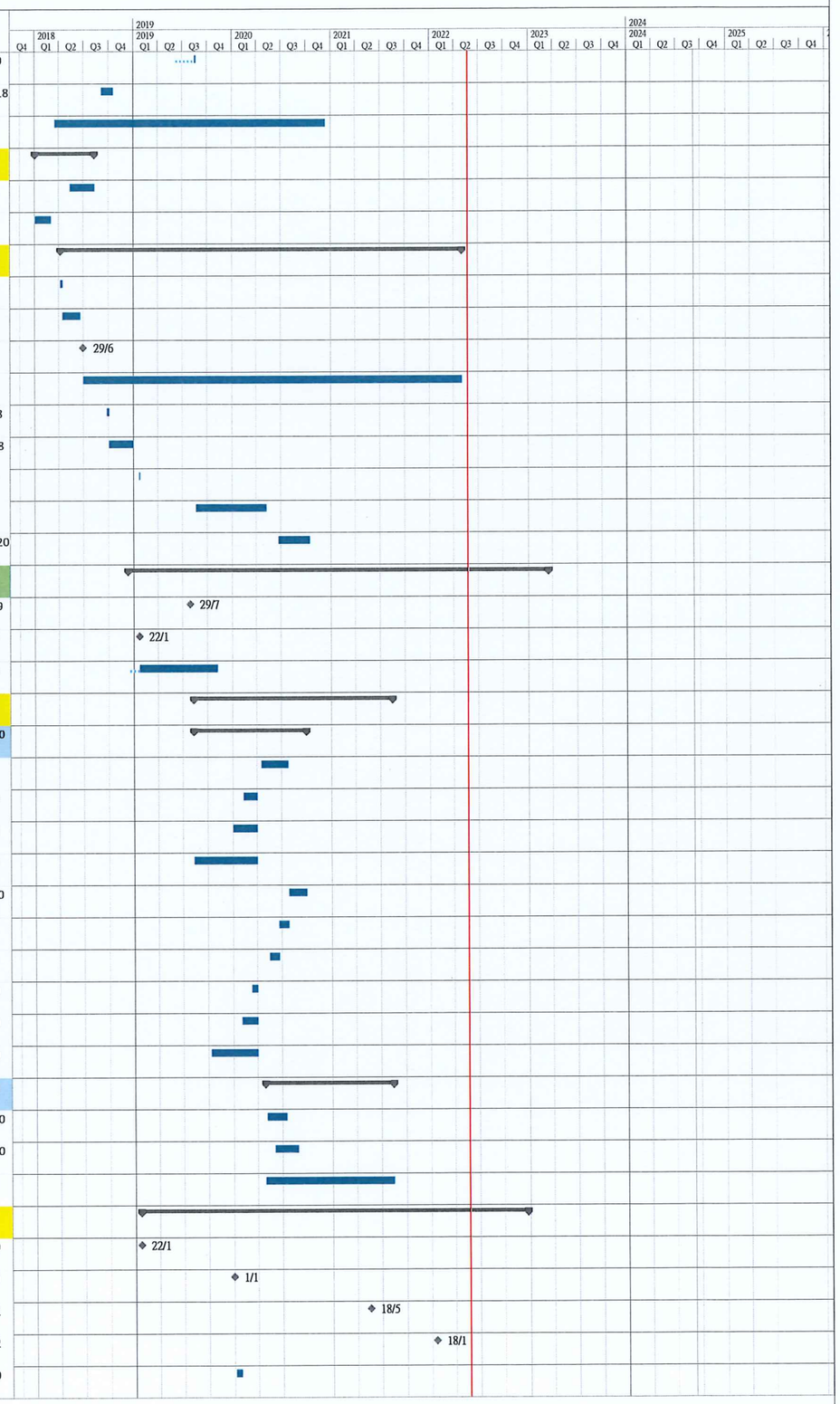


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
85	Sacrificial Anode Cathodic Protection (SACP)	82 days	Thu 30/5/19	Mon 19/8/19	Calendar Day	19	99	100%	Thu 30/5/19	Mon 19/8/19
86	Landscaping Works	42 days	Thu 6/9/18	Wed 17/10/18	Calendar Day	72,74		100%	Thu 6/9/18	Wed 17/10/18
87	Miscellaneous	1000 days	Sun 18/3/18	Fri 11/12/20	Calendar Day	74,72		100%	Sun 18/3/18	Fri 11/12/20
88	**Site Establishment**	**220 days**	**Tue 2/1/18**	**Thu 9/8/18**	**Calendar Day**			**100%**	**Tue 2/1/18**	**Thu 9/8/18**
89	Setting up PM's and Contractor Accommodation	90 days	Sat 12/5/18	Thu 9/8/18	Calendar Day	82FS+13 days		100%	Sat 12/5/18	Thu 9/8/18
90	Initial Survey of the Site	60 days	Tue 2/1/18	Fri 2/3/18	Calendar Day	4		100%	Tue 2/1/18	Fri 2/3/18
91	**Procurement of Major Material**	**1485 days**	**Sat 7/4/18**	**Sat 30/4/22**	**Calendar Day**			**100%**	**Sat 7/4/18**	**Sat 30/4/22**
92	Preparation of Purchase Order	7 days	Sat 7/4/18	Fri 13/4/18	Calendar Day	64SS+7 days,76	93	100%	Sat 7/4/18	Fri 13/4/18
93	1st Batch of Material Delivery	65 days	Sat 14/4/18	Sun 17/6/18	Calendar Day	92	94	100%	Sat 14/4/18	Sun 17/6/18
94	1st Batch of Material Delivery on site	0 days	Fri 29/6/18	Fri 29/6/18	Calendar Day	93	95	100%	Fri 29/6/18	Fri 29/6/18
95	Material Delivery by Batches	1401 days	Sat 30/6/18	Sat 30/4/22	Calendar Day	94		100%	Sat 30/6/18	Sat 30/4/22
96	Preparation of CE01 Purchase Order	7 days	Tue 25/9/18	Mon 1/10/18	Calendar Day	68	97	100%	Tue 25/9/18	Mon 1/10/18
97	1st Batch of CE01 Material Delivery	90 days	Tue 2/10/18	Sun 30/12/18	Calendar Day	96	98	100%	Tue 2/10/18	Sun 30/12/18
98	1st Batch of CE01 Material Delivery on site	1 day	Tue 22/1/19	Tue 22/1/19	Calendar Day	97		100%	Tue 22/1/19	Tue 22/1/19
99	SCAP Material Submission and Approval	261 days	Tue 20/8/19	Wed 6/5/20	Calendar Day	85	100	100%	Tue 20/8/19	Wed 6/5/20
100	SCAP Purchase Order & Material Delivery	115 days	Mon 22/6/20	Wed 14/10/20	Calendar Day	99		100%	Mon 22/6/20	Wed 14/10/20
101	**Mainlaying in Tseung Kwan O Area 137 (Portion H)**	**1260 days**	**Tue 11/12/18**	**Wed 15/3/23**	**HK Working Day**			**92%**	**Tue 11/12/18**	**NA**
102	Early Possession of Portion H	0 days	Mon 29/7/19	Mon 29/7/19	Calendar Day			100%	Mon 29/7/19	Mon 29/7/19
103	Issue Date of CE No. 07 -Water Supply to No. TKO Desalination Plant at Portion H (NS250 HDPE Pipe)	0 days	Tue 22/1/19	Tue 22/1/19	Calendar Day		104	100%	Tue 22/1/19	Tue 22/1/19
104	Material Procurement and Delivery in Batches	330 days	Tue 11/12/18	Tue 5/11/19	Calendar Day	103		100%	Tue 11/12/18	Tue 5/11/19
105	**Open Cut Excavation, Pipe Laying and Reinstatement at TKO Area 137**	**597 days**	**Sat 10/8/19**	**Sat 14/8/21**	**HK Working Day**		**761**	**100%**	**Sat 10/8/19**	**Sat 14/8/21**
106	**DN1200 MS PIPE + NS250 HDPE PIPE - Open Cut**	**341 days**	**Sat 10/8/19**	**Wed 30/9/20**	**HK Working Day**			**100%**	**Sat 10/8/19**	**Wed 30/9/20**
107	CH.CT1+51 - CH.265 DN1200 MS Pipe OC	82 days	Thu 16/4/20	Fri 24/7/20	None			100%	Thu 16/4/20	Fri 24/7/20
108	CH.CT0+51 - CH.1+51 DN1200 MS Pipe OC	44 days	Mon 10/2/20	Tue 31/3/20	HK Working Day			100%	Mon 10/2/20	Tue 31/3/20
109	CH.CT0+00 - CH.0+51 DN1200 MS Pipe OC	74 days	Thu 2/1/20	Tue 31/3/20	HK Working Day			100%	Thu 2/1/20	Tue 31/3/20
110	CH.CA0+00 - CH.4+00 DN1200 MS Pipe OC	192 days	Sat 10/8/19	Tue 31/3/20	HK Working Day	5		100%	Sat 10/8/19	Tue 31/3/20
111	CH.KT2+80 - CH.3+60 NS250 HDPE Pipe OC with additional Tees and fire Hydrant	56 days	Tue 28/7/20	Wed 30/9/20	HK Working Day			100%	Tue 28/7/20	Wed 30/9/20
112	CH.KT2+23 - CH.2+80 NS250 HDPE Pipe OC	29 days	Sat 20/6/20	Sat 25/7/20	HK Working Day			100%	Sat 20/6/20	Sat 25/7/20
113	CH.KT1+51 - CH.2+23 NS250 HDPE Pipe OC	31 days	Sat 16/5/20	Sat 20/6/20	HK Working Day			100%	Sat 16/5/20	Sat 20/6/20
114	CH.KT0+51 - CH.1+51 NS250 HDPE Pipe OC	19 days	Tue 10/3/20	Tue 31/3/20	HK Working Day			100%	Tue 10/3/20	Tue 31/3/20
115	CH.KT0+00 - CH.0+51 NS250 HDPE Pipe OC	50 days	Sun 2/2/20	Tue 31/3/20	HK Working Day			100%	Sun 2/2/20	Tue 31/3/20
116	CH.KA0+00 - CH.4+00 NS250 HDPE Pipe OC	143 days	Thu 10/10/19	Tue 31/3/20	HK Working Day			100%	Thu 10/10/19	Tue 31/3/20
117	**Construction of Chambers**	**385 days**	**Wed 29/4/20**	**Sat 14/8/21**	**HK Working Day**			**100%**	**Wed 29/4/20**	**Sat 14/8/21**
118	Combined DAV & IT Chamber for DN1200 MS pipe at CH.CT2+47	60 days	Tue 5/5/20	Wed 15/7/20	HK Working Day			100%	Tue 5/5/20	Wed 15/7/20
119	Combined Washout Pump Pit for DN1200 MS pipe and NS250 HDPE pipe at CH.CT2+43	71 days	Wed 3/6/20	Wed 26/8/20	HK Working Day			100%	Wed 3/6/20	Wed 26/8/20
120	DN900 Valve Chamber with by-pass pipes at CH.CA4+24	385 days	Wed 29/4/20	Sat 14/8/21	HK Working Day			100%	Wed 29/4/20	Sat 14/8/21
121	**Trenchless Works (DN1200 MS PIPE + NS250 HDPE PIPE) at TKO Area 137**	**1162 days**	**Tue 22/1/19**	**Thu 22/12/22**	**HK Working Day**		**784,762**	**83%**	**Tue 22/1/19**	**NA**
122	Issue CE No. 07 - Water Supply to Tseung Kwan O Desalination Plant at Portion 'H'	0 days	Tue 22/1/19	Tue 22/1/19	Calendar Day			100%	Tue 22/1/19	Tue 22/1/19
123	Issue CE No. 17 - Realignment of Water Main by Trenchless Method in TKO Area 137	0 days	Wed 1/1/20	Wed 1/1/20	Calendar Day			100%	Wed 1/1/20	Wed 1/1/20
124	Issue CE No. 118 - Non-destructive Void detection survey in Tseung Kwan O Area 137 between 137 Pit A and 137 Pit B	0 days	Tue 18/5/21	Tue 18/5/21	Calendar Day			100%	Tue 18/5/21	Tue 18/5/21
125	Issue CE No. 57 - Realignment of Water Main by Trenchless Method in SENTX Portion in TKO Area 137	0 days	Tue 18/1/22	Tue 18/1/22	Calendar Day	55FF	129	100%	Tue 18/1/22	Tue 18/1/22
126	Tendering & Approval	21 days	Mon 6/1/20	Sun 26/1/20	Calendar Day			100%	Mon 6/1/20	Sun 26/1/20

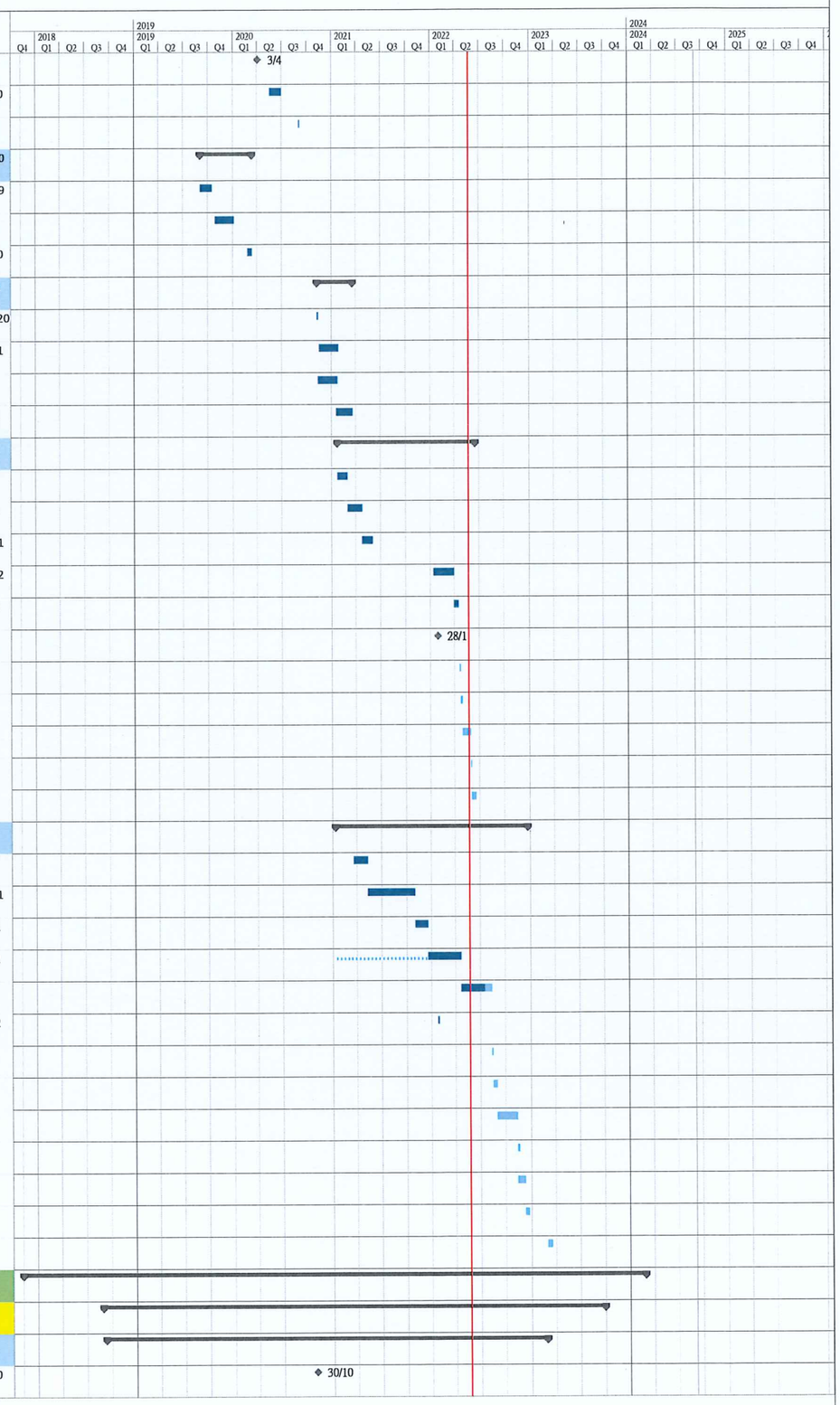


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
127	WSD instructed to retender	0 days	Fri 3/4/20	Fri 3/4/20	Calendar Day		128	100%	Fri 3/4/20	Fri 3/4/20
128	Retendering, Review & Approval	43 days	Mon 18/5/20	Mon 29/6/20	Calendar Day	127	129	100%	Mon 18/5/20	Mon 29/6/20
129	Issue LOA	1 day	Thu 3/9/20	Thu 3/9/20	Calendar Day	128,125	135	100%	Thu 3/9/20	Thu 3/9/20
130	**Trial Pit Excavation for Trenchless Works at TKO Area 137**	**156 days**	**Mon 2/9/19**	**Wed 11/3/20**	**HK Working Day**			**100%**	**Mon 2/9/19**	**Wed 11/3/20**
131	Pit 137A	35 days	Mon 2/9/19	Tue 15/10/19	HK Working Day			100%	Mon 2/9/19	Tue 15/10/19
132	Pit 137B	57 days	Mon 28/10/19	Sat 4/1/20	HK Working Day			100%	Mon 28/10/19	Sat 4/1/20
133	Pit 137C	14 days	Tue 25/2/20	Wed 11/3/20	HK Working Day			100%	Tue 25/2/20	Wed 11/3/20
134	**Construction of jacking / Receiving Pits**	**106 days**	**Mon 9/11/20**	**Thu 18/3/21**	**HK Working Day**			**100%**	**Mon 9/11/20**	**Thu 18/3/21**
135	Mobilization and Setup & Preliminary Works	3 days	Mon 9/11/20	Wed 11/11/20	Calendar Day	129	136,137,138	100%	Mon 9/11/20	Wed 11/11/20
136	Receiving Pit 137A (Renopipe)	58 days	Mon 16/11/20	Mon 25/1/21	HK Working Day	135	141FF-30 days	100%	Mon 16/11/20	Mon 25/1/21
137	Jacking Pit 137B (Renopipe)	59 days	Thu 12/11/20	Fri 22/1/21	HK Working Day	135	140	100%	Thu 12/11/20	Fri 22/1/21
138	Receiving Pit 137C (Renopipe)	49 days	Mon 18/1/21	Thu 18/3/21	HK Working Day	135	152	100%	Mon 18/1/21	Thu 18/3/21
139	**TBM Pipe Jacking From Pit 137B to Pit 137A**	**410 days**	**Fri 22/1/21**	**Wed 15/6/22**	**HK Working Day**		**170**	**79%**	**Fri 22/1/21**	**NA**
140	Establishment at Pit 137B	29 days	Fri 22/1/21	Sat 27/2/21	HK Working Day	137	141	100%	Fri 22/1/21	Sat 27/2/21
141	O WPR920 Steel Sleeve Pipe for both DN1200 & NS250 (Pit 137B - Pit 137A) (CH.CC0+10 to CH.CC.1+24) in Soil mixed with rubbish (114m; 3m/day)	42 days	Mon 1/3/21	Thu 22/4/21	HK Working Day	140,136FF-30 days	142	100%	Mon 1/3/21	Thu 22/4/21
142	Grouting and Remove setup at Pit 137A & Pit 137B	31 days	Fri 23/4/21	Mon 31/5/21	HK Working Day	141	143	100%	Fri 23/4/21	Mon 31/5/21
143	Setup for Pipe Laying inside jacking Pits 137B to Pit 137A	62 days	Wed 12/1/22	Mon 28/3/22	HK Working Day	154,142	145	100%	Wed 12/1/22	Mon 28/3/22
144	DN1200 MS Pipe Laying inside jacking pipe (114m) (8m per 3 day)	14 days	Tue 29/3/22	Thu 14/4/22	HK Working Day	145	146	100%	Tue 29/3/22	Thu 14/4/22
145	NS250 HDPE Pipe Laying inside jacking pipe (114m) (8m per day)	0 days	Fri 28/1/22	Fri 28/1/22	HK Working Day	143	144	100%	Fri 28/1/22	Fri 28/1/22
146	Formwork & Setup for Grouting the gap between pipe and Sleeve	3 days	Tue 19/4/22	Thu 21/4/22	HK Working Day	144	147	0%	NA	NA
147	Grouting Works (20 meter/day)	6 days	Fri 22/4/22	Thu 28/4/22	HK Working Day	146	148	0%	NA	NA
148	Pipe Laying (HB, BVB, Short Pipe), Thrust Block & backfilling inside Pit 137A	24 days	Fri 29/4/22	Sat 28/5/22	HK Working Day	147	149	0%	NA	NA
149	Remove ELS and Extract Sheetpile at Pit 137A	2 days	Mon 30/5/22	Tue 31/5/22	HK Working Day	148	150	0%	NA	NA
150	Pipe Laying (DN1200 MS Pipe & NS250 HDPE Pipe) From Pit 137A to CH.CC1+38 & KC1+38	12 days	Wed 1/6/22	Wed 15/6/22	HK Working Day	149		0%	NA	NA
151	**TBM Pipe Jacking From Pit 137B to Pit 137C**	**578 days**	**Tue 12/1/21**	**Thu 22/12/22**	**HK Working Day**			**74%**	**Tue 12/1/21**	**NA**
152	Revised Establishment at Pit 137B	39 days	Fri 19/3/21	Sat 8/5/21	HK Working Day	138	153	100%	Fri 19/3/21	Sat 8/5/21
153	O WPR920 Steel Sleeve Pipe for both DN1200 & NS250 (Pit 137C - Pit 137B) (CH.CB0+00 to CH.CB.2+46) in Soil mixed rubbish (246m; 1.5m/day) include 49 days	144 days	Sun 9/5/21	Sat 30/10/21	HK Working Day	152	154	100%	Sun 9/5/21	Sat 30/10/21
154	Grouting, Remove setup at Pit 137C and Pit 137B	41 days	Mon 1/11/21	Fri 17/12/21	HK Working Day	153	155,143	100%	Mon 1/11/21	Fri 17/12/21
155	Setup for Pipe Laying inside jacking Pit 137B to Pit 137C	95 days	Tue 12/1/21	Tue 19/4/22	HK Working Day	154	157	100%	Tue 12/1/21	Tue 19/4/22
156	DN1200 MS Pipe Laying inside jacking pipe (246m) (3 days per 8m)	93 days	Wed 20/4/22	Wed 10/8/22	HK Working Day	157	158	75%	Wed 20/4/22	NA
157	NS250 HDPE Pipe Laying inside jacking pipe (246m) (8m per day)	4 days	Sat 22/1/22	Thu 27/1/22	HK Working Day	155	156	100%	Sat 22/1/22	Thu 27/1/22
158	Formwork & Setup for Grouting the gap between pipe and Sleeve	3 days	Thu 11/8/22	Sat 13/8/22	HK Working Day	156	159	0%	NA	NA
159	Grouting Works (20 meter/day)	13 days	Mon 15/8/22	Mon 29/8/22	HK Working Day	158	160	0%	NA	NA
160	Construction of Combined Inspection and Washout Chamber (Type III) at Pit 137C	60 days	Tue 30/8/22	Thu 10/11/22	HK Working Day	159	162,161	0%	NA	NA
161	Pipe Connection Inside Pit 137C	6 days	Fri 11/11/22	Thu 17/11/22	HK Working Day	160		0%	NA	NA
162	Pipe Laying (HB, BVB, Short Pipe), Thrust Block & backfilling inside Pit 137C	24 days	Fri 11/11/22	Thu 8/12/22	HK Working Day	160	163	0%	NA	NA
163	Remove ELS and Remove ELS and Extract Sheetpile at Pit 137C	12 days	Fri 9/12/22	Thu 22/12/22	HK Working Day	162		0%	NA	NA
164	Final Connection of NS250 HDPE Pipe to Existing at Wan Po Road	14 days	Tue 28/2/23	Wed 15/3/23	HK Working Day	788		0%	NA	NA
165	**Mainlaying From Boundary of Tseung Kwan O Area 137 to TKO Fresh Water Service Reservoir (Portion I)**	**1866 days**	**Tue 7/11/17**	**Mon 26/2/24**	**HK Working Day**			**74%**	**Tue 7/11/17**	**NA**
166	**Open Cut Excavation, Pipe Laying and Reinstatement at Wan Po Road**	**1506 days**	**Thu 30/8/18**	**Thu 28/9/23**	**HK Working Day**			**81%**	**Thu 30/8/18**	**NA**
167	**Open Cut CH.A0+00 to CH.A3+62 (Pit 1)**	**1321 days**	**Mon 10/9/18**	**Sat 25/2/23**	**HK Working Day**		**762**	**88%**	**Mon 10/9/18**	**NA**
168	Issue CE No. 76 - Unchartered Drain Pipe in Wan Po Road between CH.A1+12 and CH.A1+14	0 days	Fri 30/10/20	Fri 30/10/20	Calendar Day			100%	Fri 30/10/20	Fri 30/10/20

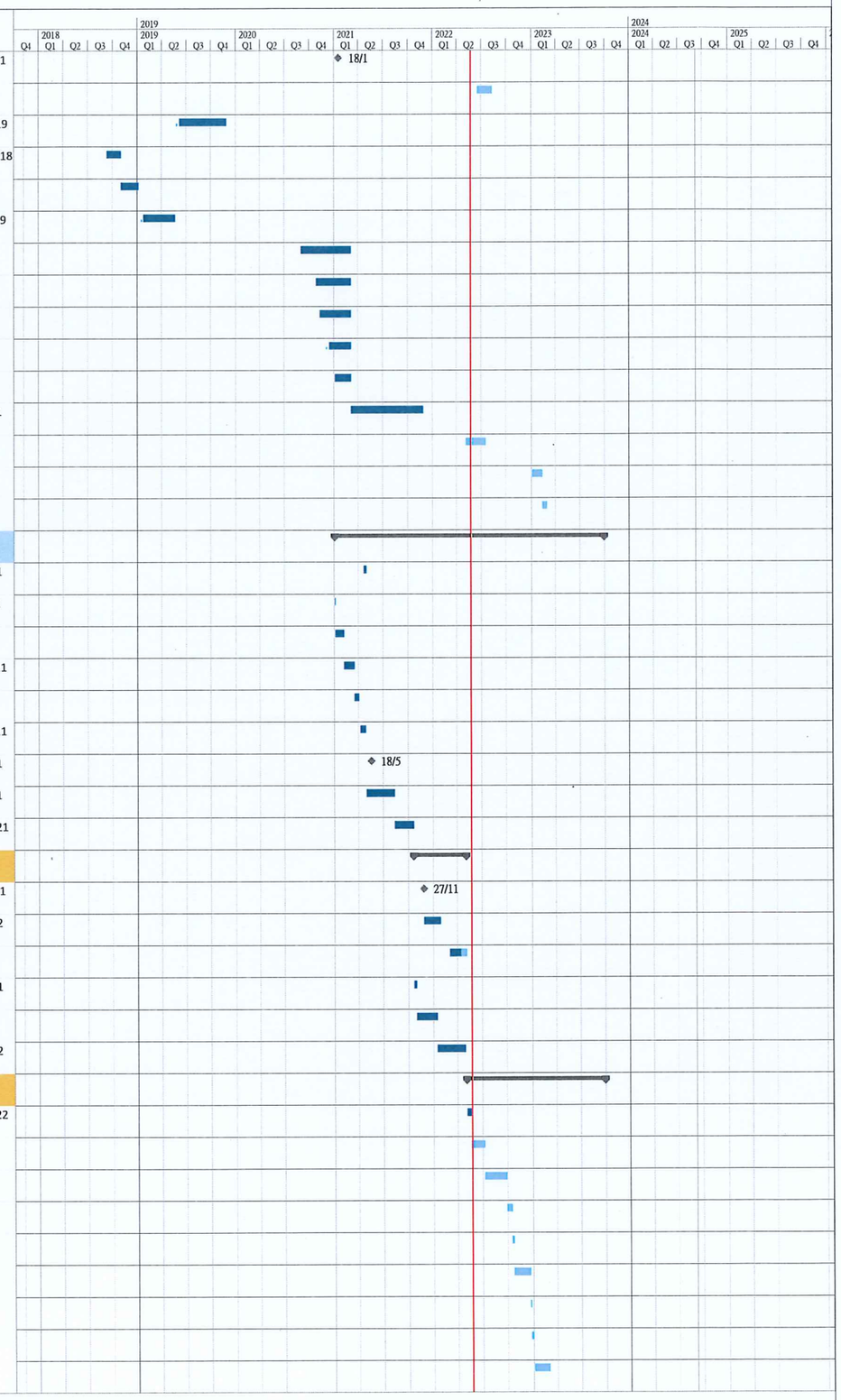


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
169	Issue CE No. 96 - Diversion of Uncharged Irrigation pipe at CH.A2+34 at Wan Po Road	0 days	Mon 18/1/21	Mon 18/1/21	Calendar Day			100%	Mon 18/1/21	Mon 18/1/21
170	CH.A0+00 - CH.A0+14 OC	45 days	Thu 16/6/22	Mon 8/8/22	HK Working Day	139		0%	NA	NA
171	CH.A0+14 - CH.A0+50 OC	156 days	Thu 23/5/19	Tue 26/11/19	HK Working Day			100%	Thu 23/5/19	Tue 26/11/19
172	CH.A0+50 - CH.A1+50 OC	42 days	Mon 10/9/18	Wed 31/10/18	HK Working Day			100%	Mon 10/9/18	Wed 31/10/18
173	CH.A1+50 - CH.A1+60 OC	53 days	Thu 1/11/18	Fri 4/1/19	HK Working Day			100%	Thu 1/11/18	Fri 4/1/19
174	CH.A1+60 - CH.A2+14 OC	107 days	Sat 5/1/19	Mon 20/5/19	HK Working Day			100%	Sat 5/1/19	Mon 20/5/19
175	CH.A2+14 - CH.A2+30 OC	150 days	Tue 1/9/20	Thu 4/3/21	HK Working Day			100%	Tue 1/9/20	Thu 4/3/21
176	CH.A2+30 - CH.A2+46 OC	105 days	Tue 27/10/20	Thu 4/3/21	HK Working Day			100%	Tue 27/10/20	Thu 4/3/21
177	CH.A2+46 - CH.A2+70 OC	93 days	Tue 10/11/20	Thu 4/3/21	HK Working Day		178	100%	Tue 10/11/20	Thu 4/3/21
178	CH.A2+70 - CH.A2+86 OC	74 days	Wed 2/12/20	Thu 4/3/21	HK Working Day	177		100%	Wed 2/12/20	Thu 4/3/21
179	CH.A2+86 - CH.A2+94 OC	48 days	Tue 5/1/21	Thu 4/3/21	HK Working Day		180	100%	Tue 5/1/21	Thu 4/3/21
180	CH.A2+94 - CH.A3+34.5 OC (Excluding Road reinstatement	218 days	Fri 5/3/21	Fri 26/11/21	HK Working Day	179	195	100%	Fri 5/3/21	Fri 26/11/21
181	CH.A3+34.5 - CH.A3+60 OC with DN150 DAV	60 days	Wed 4/5/22	Fri 15/7/22	HK Working Day	197	182	0%	NA	NA
182	CH.A3+60 and connecting to Pit 1	30 days	Tue 3/1/23	Thu 9/2/23	HK Working Day	209,181	211,183	0%	NA	NA
183	Road reinstatement CH.A2+94 - CH.3+60	14 days	Fri 10/2/23	Sat 25/2/23	HK Working Day	182		0%	NA	NA
184	**Trenchless Works (Pit 1 to Pit 2)**	**811 days**	**Mon 4/1/21**	**Thu 28/9/23**	**HK Working Day**		**762**	**61%**	**Mon 4/1/21**	**NA**
185	Ground Investigation & Drilling Bored Hole at Receiving Pit 1	9 days	Tue 20/4/21	Thu 29/4/21	HK Working Day		192	100%	Tue 20/4/21	Thu 29/4/21
186	Setting out the inspection Pit for Jacking Pit 2	1 day	Mon 4/1/21	Mon 4/1/21	HK Working Day		187	100%	Mon 4/1/21	Mon 4/1/21
187	Mobilization and Excavation of Inspection Pit at Pit 2	28 days	Tue 5/1/21	Fri 5/2/21	HK Working Day	186	188	100%	Tue 5/1/21	Fri 5/2/21
188	Review alternative location for Pit 2 by WSD	29 days	Sat 6/2/21	Mon 15/3/21	HK Working Day	187	189	100%	Sat 6/2/21	Mon 15/3/21
189	Mobilization and excavation of Inspection Pit 2 after relocation	15 days	Tue 16/3/21	Thu 1/4/21	HK Working Day	188	190	100%	Tue 16/3/21	Thu 1/4/21
190	Mobilization; Ground Investigation & Drilling Bored Hole at Receiving Pit 2	17 days	Wed 7/4/21	Mon 26/4/21	HK Working Day	189	192	100%	Wed 7/4/21	Mon 26/4/21
191	Issue EWN no. 405	0 days	Tue 18/5/21	Tue 18/5/21	HK Working Day			100%	Tue 18/5/21	Tue 18/5/21
192	Subletting and Re-Design for Pit 1 & Pit 2 (Changing from conventional sheet piling method to pipe pilling method	84 days	Fri 30/4/21	Tue 10/8/21	HK Working Day	185,190	193	100%	Fri 30/4/21	Tue 10/8/21
193	Tendering, Subletting and Award for Constructing Pit 1 & Pit 2 (Pipe Pilling Method)	57 days	Wed 11/8/21	Tue 19/10/21	HK Working Day	192	198,196	100%	Wed 11/8/21	Tue 19/10/21
194	**Construction of Jacking / Receiving Pits**	**157 days**	**Wed 20/10/21**	**Tue 3/5/22**	**HK Working Day**			**94%**	**Wed 20/10/21**	**NA**
195	Renopipe Release the working area for Luen Hing at Pit 1	0 days	Sat 27/11/21	Sat 27/11/21	HK Working Day	180	196	100%	Sat 27/11/21	Sat 27/11/21
196	Set up and Driving Pipe Piles and Grouting for Pit 1	50 days	Sat 27/11/21	Thu 27/1/22	HK Working Day	195,193	197	100%	Sat 27/11/21	Thu 27/1/22
197	Excavation and ELS installation for Pit 1	48 days	Thu 3/3/22	Tue 3/5/22	HK Working Day	196	208,181	70%	Thu 3/3/22	NA
198	Renopipe Release the working area for Luen Hing TTA Implement at Pit 2	9 days	Wed 20/10/21	Fri 29/10/21	HK Working Day	193	199	100%	Wed 20/10/21	Fri 29/10/21
199	Mobilization, Establishment, Driving Pipe Piles and Grouting for Pit 2	63 days	Sat 30/10/21	Fri 14/1/22	HK Working Day	198	200	100%	Sat 30/10/21	Fri 14/1/22
200	Excavation and ELS installation for Pit 2	82 days	Sat 15/1/22	Thu 28/4/22	HK Working Day	199	203	100%	Sat 15/1/22	Thu 28/4/22
201	**TMB Pipe Jacking Pit 1- Pit 2**	**420 days**	**Wed 4/5/22**	**Thu 28/9/23**	**HK Working Day**			**4%**	**Wed 4/5/22**	**NA**
202	Additional GI Works beside Pit 2	12 days	Wed 4/5/22	Wed 18/5/22	HK Working Day		203	100%	Wed 4/5/22	Wed 18/5/22
203	Mobilization & setup at Pit 2	40 days	Thu 19/5/22	Wed 6/7/22	HK Working Day	200,202	204	0%	NA	NA
204	TBM Jacking Sleeve Pipe (L=138m, 2m/day)	69 days	Thu 7/7/22	Mon 26/9/22	HK Working Day	203	205	0%	NA	NA
205	Grouting and Remove Setup including Thrust Wall	14 days	Tue 27/9/22	Fri 14/10/22	HK Working Day	204	206	0%	NA	NA
206	Setup Guard Rail	6 days	Sat 15/10/22	Fri 21/10/22	HK Working Day	205	207	0%	NA	NA
207	Pipe Laying inside Sleeve Pipe (8m pipe, 3 days per Joint)	51 days	Sat 22/10/22	Tue 20/12/22	HK Working Day	206	208	0%	NA	NA
208	Formwork & Setup for Grouting the Gap between Pipe and Sleeve	3 days	Wed 21/12/22	Fri 23/12/22	HK Working Day	207,197	209	0%	NA	NA
209	Grouting Works (30m/day)	5 days	Sat 24/12/22	Sat 31/12/22	HK Working Day	208	210,182	0%	NA	NA
210	Construction of Combined Inspection and Washout Chamber Type I at Pit 2	45 days	Tue 3/1/23	Mon 27/2/23	HK Working Day	209	217,218,220	0%	NA	NA

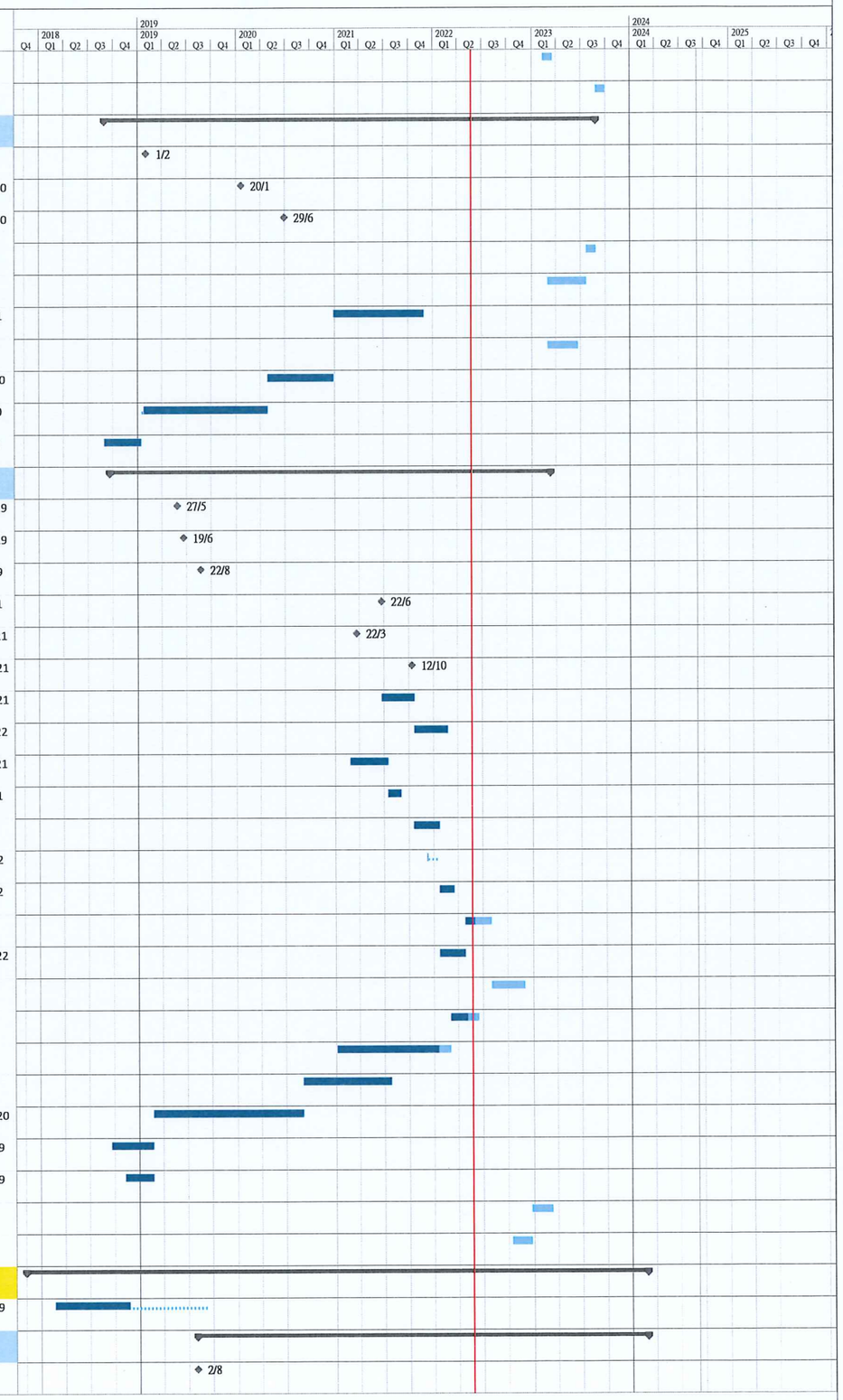


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
211	Backfill, Remove ELS and Road Reinstatement at Pit 1	30 days	Fri 10/2/23	Thu 16/3/23	HK Working Day	182		0%	NA	NA
212	Backfill, Remove ELS and Road Reinstatement at Pit 2	30 days	Fri 25/8/23	Thu 28/9/23	HK Working Day	217		0%	NA	NA
213	**Open Cut CH.A5+29.5 (Pit 2) to CH.A7+12**	**1476 days**	**Thu 30/8/18**	**Thu 24/8/23**	**HK Working Day**		**762**	**80%**	**Thu 30/8/18**	**NA**
214	Issue CE No. 06 - Unforeseen Underground Condition during Trench Excavation for Mainlaying at Wan Po Road between CH.A6+90 and CH.A7+10	0 days	Fri 1/2/19	Fri 1/2/19	Calendar Day			100%	Fri 1/2/19	Fri 1/2/19
215	Issue CE No. 22 - Instruction to change in Mainlayign Method at Wan Po Road between CH.A6+54 and A6+61	0 days	Mon 20/1/20	Mon 20/1/20	Calendar Day			100%	Mon 20/1/20	Mon 20/1/20
216	Issue CE No. 25 - Unforeseen Underground Conditions during Trench Excavation at Wan Po Road between CH.A6+68 and CH.A6+88	0 days	Mon 29/6/20	Mon 29/6/20	Calendar Day			100%	Mon 29/6/20	Mon 29/6/20
217	CH.A5+16 and Connecting to Pit 2	30 days	Fri 21/7/23	Thu 24/8/23	HK Working Day	210,218	212	0%	NA	NA
218	CH.A5+16 - CH.A5+27 OC with DN900 Valve Chamber	115 days	Tue 28/2/23	Thu 20/7/23	HK Working Day	219,210	217	0%	NA	NA
219	CH.A6+54 - CH.A5+27 OC with SACP (CH.A6+00 - CH.A6+20)	272 days	Mon 28/12/20	Fri 26/11/21	HK Working Day	221	218,220	100%	Mon 28/12/20	Fri 26/11/21
220	Construction of Tee Branch and Monitoting Chamber at CH.A5+35	90 days	Tue 28/2/23	Mon 19/6/23	HK Working Day	210,219		0%	NA	NA
221	CH.A6+20 - CH.A6+54 OC	205 days	Wed 22/4/20	Sat 26/12/20	HK Working Day	222	219	100%	Wed 22/4/20	Sat 26/12/20
222	CH.A6+54 - CH.A6+70 OC + Handshield	378 days	Mon 14/1/19	Sun 26/4/20	HK Working Day		221	100%	Mon 14/1/19	Sun 26/4/20
223	CH.A6+70 - CH.A7+12 OC	111 days	Thu 30/8/18	Sat 12/1/19	HK Working Day		233	100%	Thu 30/8/18	Sat 12/1/19
224	**Open Cut CH.A7+12 to CH.A13+79.5**	**1323 days**	**Wed 19/9/18**	**Thu 9/3/23**	**HK Working Day**		**762,763**	**85%**	**Wed 19/9/18**	**NA**
225	Issue CE No. 18 - Unforeseen Ground Condition at open trench of Mainlaying at Wan Po Road between CH/A12+89 and Ch.A13+04	0 days	Mon 27/5/19	Mon 27/5/19	Calendar Day			100%	Mon 27/5/19	Mon 27/5/19
226	Issue CE No. 20 - Traffic Count and Preliminary Traffic Analysis in Po Lam Road and Tsui Lam Road	0 days	Wed 19/6/19	Wed 19/6/19	Calendar Day			100%	Wed 19/6/19	Wed 19/6/19
227	Issue CE No. 19 - Change in Design of Gate Valve Chamber at Wan Po Road near CH.A12+40	0 days	Thu 22/8/19	Thu 22/8/19	Calendar Day			100%	Thu 22/8/19	Thu 22/8/19
228	Issue CE No. 84 - Realignment of Water main in Wan Po Road Between CH.A7+35 - CH.ACH,A8+30	0 days	Tue 22/6/21	Tue 22/6/21	Calendar Day		231	100%	Tue 22/6/21	Tue 22/6/21
229	Issue CE No. 109 - Manual Excavation under Unexpectedly Long and Continuous Extend of UU obstruction in Wan Po Road at CH.A11+80	0 days	Mon 22/3/21	Mon 22/3/21	Calendar Day			100%	Mon 22/3/21	Mon 22/3/21
230	Issue CE No. 127 - Manual Excavation under Unexpectedly long and contonuous extent of UU obstruction in Wan Po Road at CH. A0+88	0 days	Tue 12/10/21	Tue 12/10/21	Calendar Day			100%	Tue 12/10/21	Tue 12/10/21
231	Tendering, Subletting and Award for Trenchless Works (CE No. 84)	99 days	Tue 22/6/21	Tue 19/10/21	HK Working Day	228	232	100%	Tue 22/6/21	Tue 19/10/21
232	Submission and approval of Method Statement of Hand shield for CE No. 84	101 days	Wed 20/10/21	Mon 21/2/22	HK Working Day	231		100%	Wed 20/10/21	Mon 21/2/22
233	CH.A7+12 - CH.A7+30 OC	111 days	Fri 26/2/21	Wed 14/7/21	HK Working Day	223	234	100%	Fri 26/2/21	Wed 14/7/21
234	CH.A7+30 - CH.A7+34 OC	41 days	Thu 15/7/21	Tue 31/8/21	HK Working Day	233	235	100%	Thu 15/7/21	Tue 31/8/21
235	CH.A7+34 - CH.A7+50 OC	80 days	Mon 18/10/21	Fri 21/1/22	HK Working Day	234	236,239	100%	Mon 18/10/21	Fri 21/1/22
236	CH.A7+50 - CH.A7+58 OC	36 days	Tue 7/12/21	Thu 20/1/22	HK Working Day	235	240,237	100%	Tue 7/12/21	Thu 20/1/22
237	CH.A7+58 - CH.A7+82 OC	43 days	Fri 21/1/22	Tue 15/3/22	HK Working Day	236	240,238	100%	Fri 21/1/22	Tue 15/3/22
238	CH.A7+82 - CH.A8+23 Trenchless (Mobilization, Setup and Handshield)	85 days	Tue 19/4/22	Sat 30/7/22	HK Working Day	237,239	240	35%	Tue 19/4/22	NA
239	CH.A8+23 - CH.A8+63 OC	74 days	Fri 21/1/22	Mon 25/4/22	HK Working Day	235	238,240	100%	Fri 21/1/22	Mon 25/4/22
240	CH.A8+63 - CH.A9+37 OC	100 days	Mon 1/8/22	Mon 28/11/22	HK Working Day	236,238,237,239		0%	NA	NA
241	CH.A9+37 - CH.A10+18 OC	81 days	Thu 3/3/22	Mon 13/6/22	HK Working Day			60%	Thu 3/3/22	NA
242	CH.A10+18 - CH.A11+51 OC	340 days	Tue 5/1/21	Mon 28/2/22	HK Working Day			90%	Tue 5/1/21	NA
243	CH.A11+51 - CH.A12+12 OC with DN600 IT & DN300 Washout Chamber at CH.A12+00	263 days	Tue 1/9/20	Fri 23/7/21	HK Working Day	244		100%	Tue 1/9/20	Fri 23/7/21
244	CH.A12+12 - CH.A12+50 OC With DN900 Valve Chamber	451 days	Sat 23/2/19	Mon 31/8/20	HK Working Day	245,246	243	100%	Sat 23/2/19	Mon 31/8/20
245	CH.A12+50 - CH.A12+95 OC	125 days	Wed 19/9/18	Thu 21/2/19	HK Working Day		244	100%	Wed 19/9/18	Thu 21/2/19
246	CH.A12+95 - CH.A13+13 OC	84 days	Fri 9/11/18	Thu 21/2/19	HK Working Day		244	100%	Fri 9/11/18	Thu 21/2/19
247	CH.A13+13 - CH.A13+40 OC + DN150 DAV	60 days	Fri 23/12/22	Thu 9/3/23	HK Working Day	248		0%	NA	NA
248	CH.A13+40 -CH.A 13+80 OC from Open Cut Trench to Jacking Pit A	60 days	Fri 14/10/22	Thu 22/12/22	HK Working Day	280	247,293	0%	NA	NA
249	**Trenchless Work at Wan Po Road From Pit A to Pit F**	**1866 days**	**Tue 7/11/17**	**Mon 26/2/24**	**HK Working Day**			**56%**	**Tue 7/11/17**	**NA**
250	Trial Pit Excavation for Pit 1 to Pit 20	462 days	Tue 20/2/18	Tue 10/9/19	HK Working Day	79		100%	Tue 20/2/18	Tue 10/9/19
251	**Trenchless Works (Pit A to Pit D)**	**1354 days**	**Fri 2/8/19**	**Mon 26/2/24**	**HK Working Day**		**763**	**51%**	**Fri 2/8/19**	**NA**
252	Issue CE No. 27 - Underground Utilities Detection Survey for Working Pit D (CH. A22+75)	0 days	Fri 2/8/19	Fri 2/8/19	Calendar Day			100%	Fri 2/8/19	Fri 2/8/19

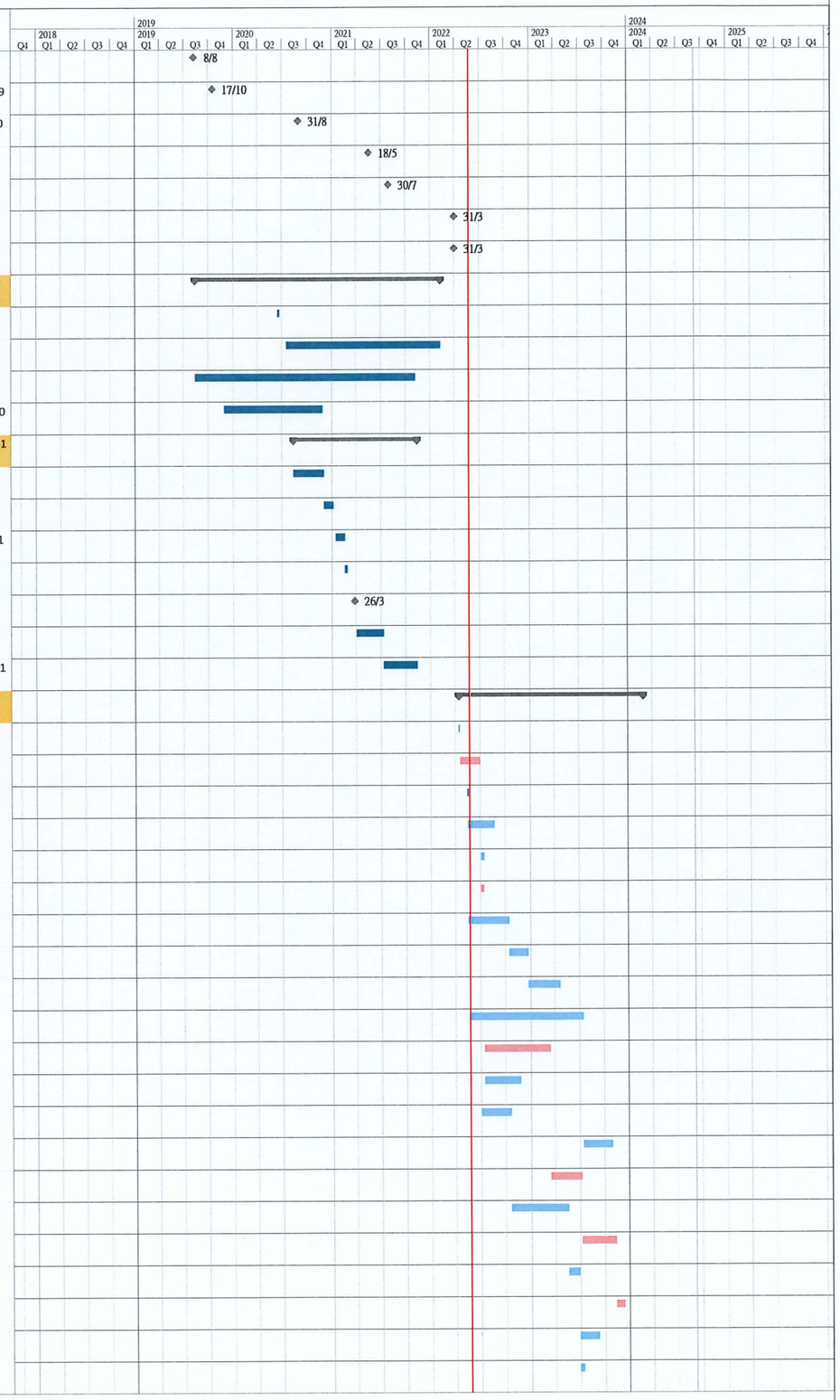


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
253	Issue CE No. 21 - Temporary Diversion of Uncharted Underground Utilities near Wan O Road at CH. A16+00 (Pit B)	0 days	Thu 8/8/19	Thu 8/8/19	Calendar Day			100%	Thu 8/8/19	Thu 8/8/19
254	Issue CE No. 29 - Tree Transplant Works near CHA13+70	0 days	Thu 17/10/19	Thu 17/10/19	Calendar Day			100%	Thu 17/10/19	Thu 17/10/19
255	Issue CE No. 32 - Additional grouting Treatment works at Pit B in Wan Po Road near Wan O Road	0 days	Mon 31/8/20	Mon 31/8/20	Calendar Day			100%	Mon 31/8/20	Mon 31/8/20
256	Issue CE No. 118 - Non-destructive Void Detection Survey in TKO Area 137 between 137Pit A and 137Pit B	0 days	Tue 18/5/21	Tue 18/5/21	Calendar Day			100%	Tue 18/5/21	Tue 18/5/21
257	Issue CE No. 123 - Void Detection Survey in Wan Po Road between Pit A to Pit C	0 days	Fri 30/7/21	Fri 30/7/21	Calendar Day			100%	Fri 30/7/21	Fri 30/7/21
258	Expected CE No. 52 - Relocation of Working pits for Trenchless Works in Wan Po Road (Pit B to Pit D)	0 days	Thu 31/3/22	Thu 31/3/22	Calendar Day		259	0%	NA	NA
259	Expected CE No. 58 - Relocation of Working pits for Trenchless Works in Wan Po Road (Pit A to Pit B)	0 days	Thu 31/3/22	Thu 31/3/22	Calendar Day	258		0%	NA	NA
260	**Construction of Jacking / Receiving Pit A, B & C**	**737 days**	**Mon 12/8/19**	**Sun 6/2/22**	**HK Working Day**			**100%**	**Mon 12/8/19**	**Sun 6/2/22**
261	Removal of Existing Planter for Jacking Pit A	6 days	Mon 15/6/20	Sat 20/6/20	HK Working Day		262	100%	Mon 15/6/20	Sat 20/6/20
262	Jacking Pit A with additional ground grouting works	462 days	Fri 17/7/20	Sun 6/2/22	HK Working Day	261		100%	Fri 17/7/20	Sun 6/2/22
263	Jacking / Receiving Pit B with additional ground grouting works	664 days	Mon 12/8/19	Fri 5/11/21	HK Working Day		299	100%	Mon 12/8/19	Fri 5/11/21
264	Receiving Pit C with additional ground grouting works	295 days	Fri 29/11/19	Thu 26/11/20	HK Working Day			100%	Fri 29/11/19	Thu 26/11/20
265	**Construction of Jacking pit D**	**372 days**	**Wed 12/8/20**	**Thu 11/11/21**	**HK Working Day**			**100%**	**Wed 12/8/20**	**Thu 11/11/21**
266	TTA submission and Approval , Suspension of Parking Meters and TTA Implement for Jacking Pit D	112 days	Wed 12/8/20	Tue 1/12/20	Calendar Day		267	100%	Wed 12/8/20	Tue 1/12/20
267	Inspection Pits & GI Works for Jacking Pit D	27 days	Wed 2/12/20	Tue 5/1/21	HK Working Day	266	317,268	100%	Wed 2/12/20	Tue 5/1/21
268	Design Submission with ICE Certificate for Jacking Pit D	26 days	Fri 15/1/21	Wed 17/2/21	HK Working Day	267	269,270	100%	Fri 15/1/21	Wed 17/2/21
269	Approval of Design of Jacking Pit D	8 days	Thu 18/2/21	Fri 26/2/21	HK Working Day	268	271	100%	Thu 18/2/21	Fri 26/2/21
270	Approval Existing Sub-contractor to carry out Construction of Jacking Pit D	0 days	Fri 26/3/21	Fri 26/3/21	HK Working Day	268	271	100%	Fri 26/3/21	Fri 26/3/21
271	Mobilization and Pipe Pile Wall Construction for Jacking Pit D	78 days	Thu 1/4/21	Fri 9/7/21	HK Working Day	270,269	272	100%	Thu 1/4/21	Fri 9/7/21
272	Construction of Jacking Pit D at Car Park	104 days	Sat 10/7/21	Thu 11/11/21	HK Working Day	271	303	100%	Sat 10/7/21	Thu 11/11/21
273	**New Routing From Pit A to Pit D)**	**553 days**	**Thu 14/4/22**	**Mon 26/2/24**	**HK Working Day**			**0%**	**Thu 14/4/22**	**NA**
274	Verbal Instructed to Change Pit A to Pit D by Trenchless Method to Open Cut Method & Handshield	1 day	Thu 14/4/22	Thu 14/4/22	HK Working Day		275	100%	Thu 14/4/22	Thu 14/4/22
275	XP Application for WPR, SKR and Open Trench at Shek Kok Road	60 days	Tue 19/4/22	Thu 30/6/22	HK Working Day	274	278,279,286	0%	NA	NA
276	Trial Pit Excavation at Pit A1	3 days	Sat 14/5/22	Tue 17/5/22	HK Working Day			100%	Sat 14/5/22	Tue 17/5/22
277	Remove Central Divider between Wan O Road amd Shek Kok Road	81 days	Mon 16/5/22	Fri 19/8/22	HK Working Day			0%	Mon 16/5/22	NA
278	Trial Pit Excavation at Pit WPR	10 days	Sat 2/7/22	Wed 13/7/22	HK Working Day	275	287	0%	NA	NA
279	Trial Pit Excavation at Pit SKR	10 days	Sat 2/7/22	Wed 13/7/22	HK Working Day	275	288,285,284	0%	NA	NA
280	Pipe Laying (OC) from Pit A1 towward KLN (124m)	124 days	Tue 17/5/22	Thu 13/10/22	HK Working Day		281,248	0%	Tue 17/5/22	NA
281	Pipe Laying (OC) from WPR (N/B)(the 1st Lane to the 3rd lane) (30m)	60 days	Fri 14/10/22	Thu 22/12/22	HK Working Day	280	282	0%	NA	NA
282	Pipe Laying (OC) crossing WPR Junction with Wan O Road to Central Divider (73m)	90 days	Fri 23/12/22	Tue 18/4/23	HK Working Day	281		0%	NA	NA
283	Pipe Laying (OC) along Central Divider to Pit WPR (340m)	340 days	Fri 20/5/22	Wed 12/7/23	HK Working Day		295,287	0%	Fri 20/5/22	NA
284	Pipe Laying (OC) from Pit SKR to Pit D (1st 200m)	200 days	Thu 14/7/22	Tue 14/3/23	HK Working Day	279	288	0%	NA	NA
285	Pipe Laying (OC) from Pit SKR to Pit D (Remaining 110m)	110 days	Thu 14/7/22	Tue 22/11/22	HK Working Day	279	297	0%	NA	NA
286	Construction of Pit A1	90 days	Sat 2/7/22	Tue 18/10/22	HK Working Day	275	289	0%	NA	NA
287	Construction of Pit WPR	90 days	Thu 13/7/23	Sat 28/10/23	HK Working Day	278,283		0%	NA	NA
288	Construction of Pit SKR	90 days	Wed 15/3/23	Thu 6/7/23	HK Working Day	279,284	290	0%	NA	NA
289	Headshield Tunneling fom Pit A to Pit A1 (102m)	170 days	Wed 19/10/22	Wed 17/5/23	HK Working Day	286	291	0%	NA	NA
290	Headshield Tunneling fom Pit SKR to Pit WPR (64m)	107 days	Fri 7/7/23	Sat 11/11/23	HK Working Day	288	292	0%	NA	NA
291	MS Pipe Laying in Segment from Pit A to Pit A1	40 days	Thu 18/5/23	Mon 26/6/23	Calendar Day	289	293,294	0%	NA	NA
292	MS Pipe Laying in Segment from Pit SKR to Pit WPR	30 days	Sun 12/11/23	Mon 11/12/23	Calendar Day	290	295,296	0%	NA	NA
293	Pipe Connection works & Construction Special Combined Insepction and Washout Chamber at Pit A	60 days	Tue 27/6/23	Tue 5/9/23	HK Working Day	291,248		0%	NA	NA
294	Pipe Connection works at Pit A1	12 days	Tue 27/6/23	Tue 11/7/23	HK Working Day	291		0%	NA	NA

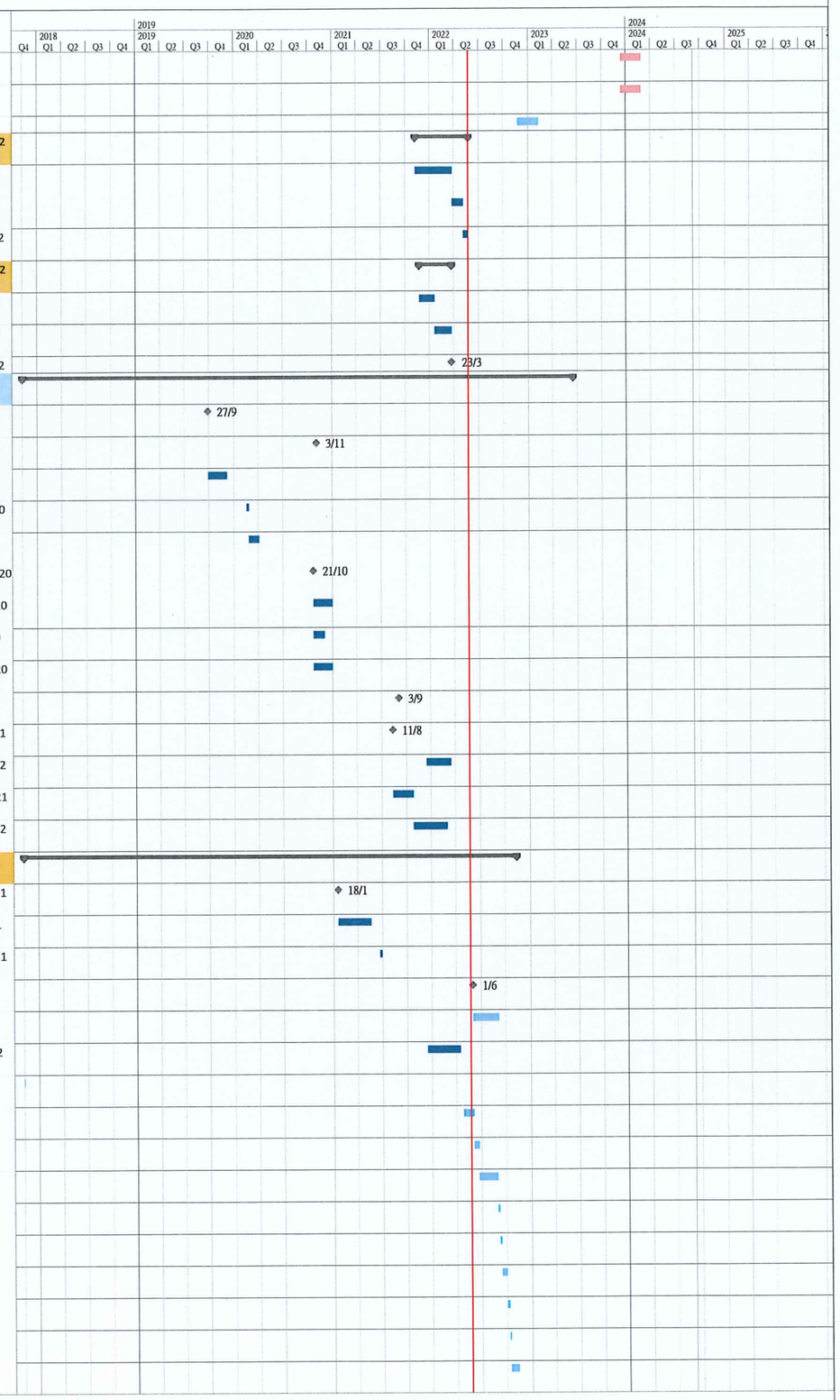


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
295	Pipe Connection Works and construction of Inspoection Chamber at Pit WPR	60 days	Tue 12/12/23	Mon 26/2/24	HK Working Day	292,283		0%	NA	NA
296	Pipe Connection Works and construction of Washout Chamber at Pit SKR	60 days	Tue 12/12/23	Mon 26/2/24	HK Working Day	292		0%	NA	NA
297	Pipe Connection Works and construction of Washout Chamber at Pit D	60 days	Wed 23/11/22	Tue 7/2/23	HK Working Day	285		0%	NA	NA
298	**TBM Pipe Jacking (Pit B to Pit C)**	**157 days**	**Mon 8/11/21**	**Mon 23/5/22**	**HK Working Day**			**100%**	**Mon 8/11/21**	**Mon 23/5/22**
299	Establishment at Pit B with additional ground treatment for stopping water ingress	112 days	Mon 8/11/21	Thu 24/3/22	HK Working Day	263	300	100%	Mon 8/11/21	Thu 24/3/22
300	Jacking DN1600 Precast Concrete Sleeve Pipe From Pit B to Pit C (L=326m; 2.5m/day)	30 days	Thu 24/3/22	Wed 4/5/22	HK Working Day	299	301	100%	Thu 24/3/22	Wed 4/5/22
301	Extracting TBM and remove TBM from Pit B	15 days	Thu 5/5/22	Mon 23/5/22	HK Working Day	300		100%	Thu 5/5/22	Mon 23/5/22
302	**TBM Pipe Jacking (Pit D to Pit C)**	**98 days**	**Mon 22/11/21**	**Wed 23/3/22**	**HK Working Day**			**100%**	**Mon 22/11/21**	**Wed 23/3/22**
303	Establishment at Pit D	47 days	Mon 22/11/21	Tue 18/1/22	HK Working Day	272	304	100%	Mon 22/11/21	Tue 18/1/22
304	DN1920 Steel Jacked Pipe (Pit D - Pit C) (CH.A19+26 to CH.A22+80) in Soil (370m; 2.5m/day)	51 days	Wed 19/1/22	Tue 22/3/22	HK Working Day	303		100%	Wed 19/1/22	Tue 22/3/22
305	Pipe Jacking stopped on 23/3/2022	0 days	Wed 23/3/22	Wed 23/3/22	HK Working Day			100%	Wed 23/3/22	Wed 23/3/22
306	**Form Pit D Crossing Wan Po Road and Lohas Park Road to TKO Landfill Stage I (Area A)**	**2046 days**	**Tue 7/11/17**	**Wed 14/6/23**	**Calendar Day**		**763**	**55%**	**Tue 7/11/17**	**NA**
307	Issue CE No. 24 - Ground Investigation for Working Pit E, F and Trenchless Works across MT Tunnel	0 days	Fri 27/9/19	Fri 27/9/19	Calendar Day		309	100%	Fri 27/9/19	Fri 27/9/19
308	Issue CE No. 80 - Site Clearance for Crossing Lohas Road Junction (Option 5)	0 days	Tue 3/11/20	Tue 3/11/20	Calendar Day			100%	Tue 3/11/20	Tue 3/11/20
309	Tender & Subletting	71 days	Fri 27/9/19	Fri 6/12/19	Calendar Day	307		100%	Fri 27/9/19	Fri 6/12/19
310	Mobilization and Establishment of GI equipment	7 days	Mon 17/2/20	Mon 24/2/20	HK Working Day		311	100%	Mon 17/2/20	Mon 24/2/20
311	Ground Investigation GI No. 3	33 days	Tue 25/2/20	Thu 2/4/20	HK Working Day	310		100%	Tue 25/2/20	Thu 2/4/20
312	Issue CE No. 77 - Design of Water Main Structure and Modification Works to the Affected Geotechnical Features in Wan Po Road and Lohas Park Road	0 days	Wed 21/10/20	Wed 21/10/20	Calendar Day		313,314,315	100%	Wed 21/10/20	Wed 21/10/20
313	Quotation Submission and Acceptant for CE No. 77	72 days	Wed 21/10/20	Thu 31/12/20	Calendar Day	312		100%	Wed 21/10/20	Thu 31/12/20
314	CE No. 77 - Submission of Geotechnical Assessment Repot	42 days	Wed 21/10/20	Tue 1/12/20	Calendar Day	312		100%	Wed 21/10/20	Tue 1/12/20
315	CE No. 77 - Design Submission	72 days	Wed 21/10/20	Thu 31/12/20	Calendar Day	312	316,317	100%	Wed 21/10/20	Thu 31/12/20
316	CE No. 77 - Approval of Design Submission	0 days	Fri 3/9/21	Fri 3/9/21	Calendar Day	315		100%	Fri 3/9/21	Fri 3/9/21
317	Issue CE No. 67 - Realignment of Water Main near Wan Po Road and Lohas Park Road	0 days	Wed 11/8/21	Wed 11/8/21	Calendar Day	267,315	319	100%	Wed 11/8/21	Wed 11/8/21
318	Obtain MTR's approval on the alignment and construction method about MTR's tunnels	91 days	Mon 13/12/21	Mon 14/3/22	Calendar Day	320FF	348,347	100%	Mon 13/12/21	Mon 14/3/22
319	Tender Process and Tender Award for CE No. 67	77 days	Wed 11/8/21	Tue 26/10/21	Calendar Day	317	320,363	100%	Wed 11/8/21	Tue 26/10/21
320	TTA approval and Implement for CE No. 67	125 days	Wed 27/10/21	Mon 28/2/22	Calendar Day	319	348,318FF,347	100%	Wed 27/10/21	Mon 28/2/22
321	**Handshield Crossing Wan Po Road (CH.FA0+15 to CH.FA0+50)**	**1484 days**	**Tue 7/11/17**	**Thu 10/11/22**	**HK Working Day**			**48%**	**Tue 7/11/17**	**NA**
322	Issue CE No. 98 - Tree Felling at Lohas Park Road	0 days	Mon 18/1/21	Mon 18/1/21	Calendar Day		323	100%	Mon 18/1/21	Mon 18/1/21
323	TPRP Submission and Approval for Tree at Slope Feature 12SW-A/FR102	121 days	Mon 18/1/21	Tue 18/5/21	Calendar Day	322	324	100%	Mon 18/1/21	Tue 18/5/21
324	Tree Felling and Tree Works at Slope Feature 12SW-A/FR102	7 days	Mon 21/6/21	Mon 28/6/21	HK Working Day	323		100%	Mon 21/6/21	Mon 28/6/21
325	Approval TTA for Loading and Unloading at R27	0 days	Wed 1/6/22	Wed 1/6/22	HK Working Day		326	0%	NA	NA
326	Strengthen Works at Feature 12SW-A/R27	80 days	Wed 1/6/22	Sat 3/9/22	HK Working Day	325		0%	NA	NA
327	Strengthen Works at Feature 12SW-A/R28	98 days	Tue 14/12/21	Thu 14/4/22	HK Working Day		329	100%	Tue 14/12/21	Thu 14/4/22
328	Concrete coring and breaking opening on Retaining Wall (R27)	1 day	Tue 7/11/17	Tue 7/11/17	None		335	0%	NA	NA
329	Concrete coring and breaking opening on Retaining Wall (R28)	30 days	Wed 27/4/22	Thu 2/6/22	HK Working Day	327	330	3%	Wed 27/4/22	NA
330	Handshield Establishment	14 days	Sat 4/6/22	Mon 20/6/22	HK Working Day	329	331	0%	NA	NA
331	Mild Steel Sleeve Pipe in Soil Mix (35m; 0.6m/day)	58 days	Tue 21/6/22	Sat 27/8/22	HK Working Day	330	332	0%	NA	NA
332	Remove establishment	6 days	Mon 29/8/22	Sat 3/9/22	HK Working Day	331	333	0%	NA	NA
333	Setup for Pipe Laying inside jacking	6 days	Mon 5/9/22	Sat 10/9/22	HK Working Day	332	334	0%	NA	NA
334	DN900 MS Pipe Laying inside jacking pipe (35m) (say 3 days per 8m)	15 days	Tue 13/9/22	Thu 29/9/22	HK Working Day	333	335	0%	NA	NA
335	Formwork & Setup for Grouting the gap between pipe and Sleeve	6 days	Fri 30/9/22	Sat 8/10/22	HK Working Day	334,328	336	0%	NA	NA
336	Grouting Works (30 meter/day)	4 days	Mon 10/10/22	Thu 13/10/22	HK Working Day	335	337	0%	NA	NA
337	Pipe laying Works From Pit D to CH.FA0+15	24 days	Fri 14/10/22	Thu 10/11/22	HK Working Day	336	339	0%	NA	NA

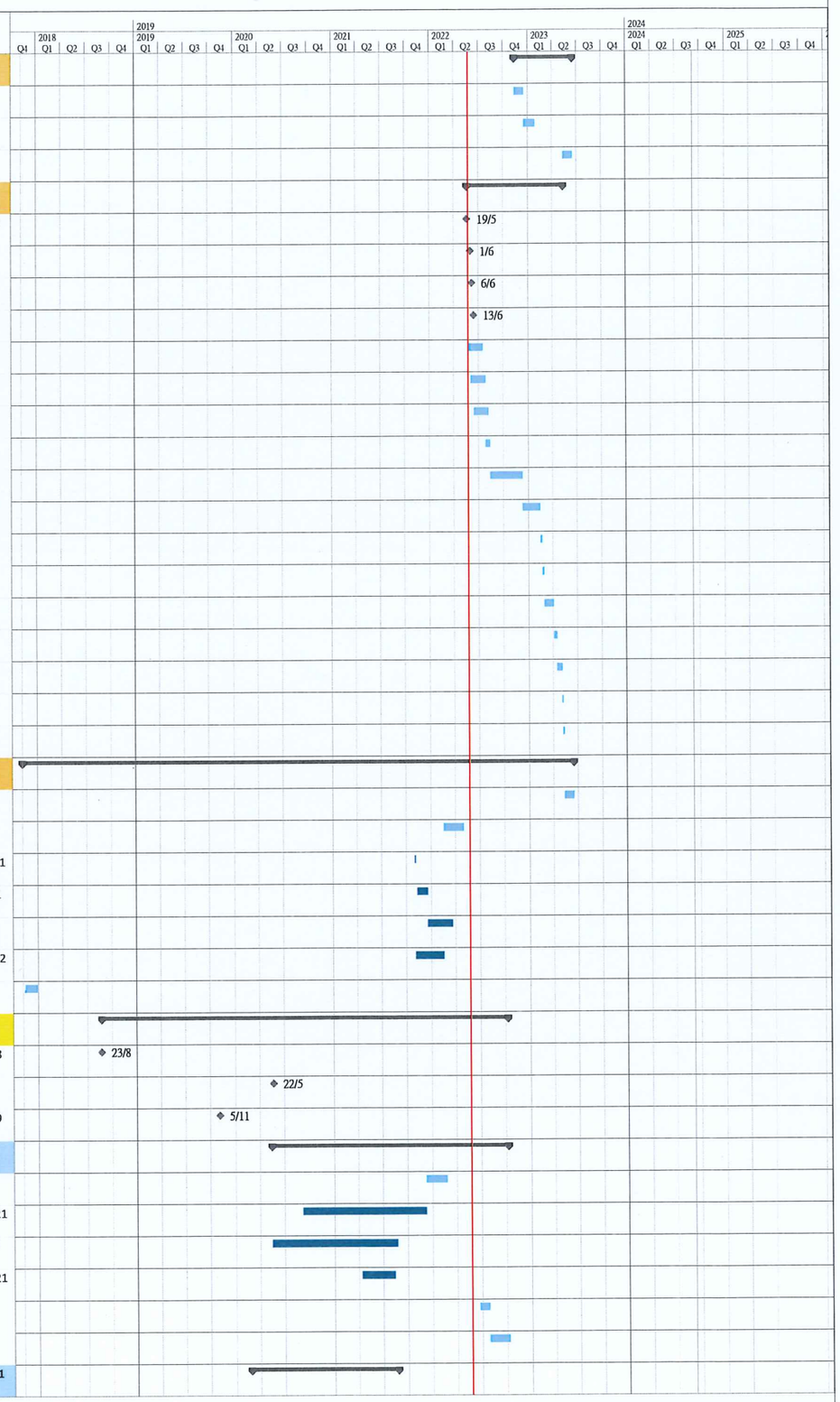


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
338	**Vertical Pipes, Exposed Pipes & Burned Pipes above MTR Tunnels (CH.FA0+50 to CH.FA0+85)**	**173 days**	**Fri 11/11/22**	**Wed 14/6/23**	**HK Working Day**			**0%**	**NA**	**NA**
339	Vertical pipes with Concrete Surround	30 days	Fri 11/11/22	Thu 15/12/22	HK Working Day	337	340	0%	NA	NA
340	Exposed pipes with concrete surround	30 days	Fri 16/12/22	Thu 26/1/23	HK Working Day	339	341	0%	NA	NA
341	Open cut pipe laying with concrete surround	30 days	Wed 10/5/23	Wed 14/6/23	HK Working Day	359,340		0%	NA	NA
342	**Hand Shield Pipe Jacking crossing Lohas Park Road**	**289 days**	**Thu 19/5/22**	**Tue 9/5/23**	**HK Working Day**			**0%**	**Thu 19/5/22**	**NA**
343	MTR's Consent for Construction of Pit E	0 days	Thu 19/5/22	Thu 19/5/22	HK Working Day		347	100%	Thu 19/5/22	Thu 19/5/22
344	MTR's Consent for Construction of Pit F	0 days	Wed 1/6/22	Wed 1/6/22	HK Working Day		348	99%	Wed 1/6/22	NA
345	MTR's Consent for Construction of Pit G	0 days	Mon 6/6/22	Mon 6/6/22	HK Working Day		349	99%	Mon 6/6/22	NA
346	Loading & Unloading TTA for Pit G	0 days	Mon 13/6/22	Mon 13/6/22	HK Working Day		349	99%	Mon 13/6/22	NA
347	Construction of Receiving Pit E	45 days	Mon 23/5/22	Fri 15/7/22	HK Working Day	318,320,343		0%	Mon 23/5/22	NA
348	Construction of Jacking Pit F	45 days	Wed 1/6/22	Mon 25/7/22	HK Working Day	320,318,344	350	0%	NA	NA
349	Construction of Receiving Pit G	45 days	Mon 13/6/22	Thu 4/8/22	HK Working Day	345,346		0%	NA	NA
350	Establishment at Pit F	14 days	Tue 26/7/22	Wed 10/8/22	HK Working Day	348	351	0%	NA	NA
351	Mild Steel Sleeve Pipe (Pit F - Pit E) in Soil Mix (40m; 0.4m/day)	100 days	Thu 11/8/22	Thu 8/12/22	HK Working Day	350	352	0%	NA	NA
352	Mild Steel Sleeve Pipe (Pit F - Pit G) in Soil Mix (20m; 0.4m/day)	50 days	Fri 9/12/22	Sat 11/2/23	HK Working Day	351	353	0%	NA	NA
353	Remove setup Including Thrust Wall at Pit F	6 days	Mon 13/2/23	Sat 18/2/23	HK Working Day	352	354	0%	NA	NA
354	Setup for Pipe Laying inside jacking Pit F	6 days	Mon 20/2/23	Sat 25/2/23	HK Working Day	353	355	0%	NA	NA
355	DN900 MS Pipe Laying from Pit F to Pit E (40m) (say 3 days per 4m)	30 days	Mon 27/2/23	Sat 1/4/23	HK Working Day	354	356	0%	NA	NA
356	Modify Setup for Pipe Laying inside jacking Pit F	6 days	Mon 3/4/23	Thu 13/4/23	HK Working Day	355	357	0%	NA	NA
357	DN900 MS Pipe Laying from Pit F to Pit G (20m) (say 3 days per 4m)	15 days	Fri 14/4/23	Tue 2/5/23	HK Working Day	356	358	0%	NA	NA
358	Formwork & Setup for Grouting the gap between pipe and Sleeve	3 days	Wed 3/5/23	Fri 5/5/23	HK Working Day	357	359	0%	NA	NA
359	Grouting Works (30 meter/day)	3 days	Sat 6/5/23	Tue 9/5/23	HK Working Day	358	341,361	0%	NA	NA
360	**Vertical Pipes, Exposed Pipes & Burned Pipes above MTR Tunnels (CH.FA1+50 to CH.FA2+17)**	**1657 days**	**Tue 7/11/17**	**Wed 14/6/23**	**HK Working Day**			**59%**	**Tue 7/11/17**	**NA**
361	Vertical pipes with Concrete Surround	30 days	Wed 10/5/23	Wed 14/6/23	HK Working Day	359		0%	NA	NA
362	Exposed pipes with concrete surround	60 days	Tue 15/2/22	Fri 29/4/22	HK Working Day	366		0%	NA	NA
363	Site Clearance at Storage Yard	3 days	Mon 1/11/21	Wed 3/11/21	HK Working Day	319	366	100%	Mon 1/11/21	Wed 3/11/21
364	Plate Load Tests for Tower P2	34 days	Tue 9/11/21	Fri 17/12/21	HK Working Day			100%	Tue 9/11/21	Fri 17/12/21
365	Construction footing of Tower P2 at CH.FA1+76	72 days	Sat 18/12/21	Fri 18/3/22	HK Working Day			100%	Sat 18/12/21	Fri 18/3/22
366	Open cut pipe laying with concrete surround (CH.FA1+76 to CH.FA2+04)	82 days	Thu 4/11/21	Mon 14/2/22	HK Working Day	363	362	100%	Thu 4/11/21	Mon 14/2/22
367	Open cut pipe laying from CH.FA2+04 to CH.FB0+03 & Connect to DN900SV Chamber	42 days	Tue 7/11/17	Wed 27/12/17	HK Working Day			0%	NA	NA
368	**Open Cut Excavation, Pipe Laying and Reinstatement at TKO Landfill Stage 1 and TKO South Waterfront Promenade**	**1221 days**	**Thu 23/8/18**	**Fri 7/10/22**	**HK Working Day**			**91%**	**Thu 23/8/18**	**NA**
369	Issue CE No. 05 - Feasibility Studey Realignment of pipline at Tseung Kwan O Stage I Landfill	0 days	Thu 23/8/18	Thu 23/8/18	Calendar Day			100%	Thu 23/8/18	Thu 23/8/18
370	Issue CE No. 36 - Realignment of Watermain along the Bituminous Road adjacent to Lohas Park Road	0 days	Fri 22/5/20	Fri 22/5/20	Calendar Day			100%	Fri 22/5/20	Fri 22/5/20
371	Issue CE No. 34 - Realignment of Watermain along TKO Stage I Landfill	0 days	Tue 5/11/19	Tue 5/11/19	Calendar Day			100%	Tue 5/11/19	Tue 5/11/19
372	**TKO Landfill Stage I Area A (CH.FB0+00 to CH.FB5+34)**	**712 days**	**Fri 15/5/20**	**Fri 7/10/22**	**HK Working Day**		**764**	**85%**	**Fri 15/5/20**	**NA**
373	CH.FB0+00 DN300 Washout Chamber	60 days	Tue 7/12/21	Mon 21/2/22	HK Working Day	374		0%	NA	NA
374	CH.FB0+00 - CH.FB 1+66 OC with DN900 Valve Chamber with DN150 by-pass	372 days	Sat 5/9/20	Mon 6/12/21	HK Working Day		373	100%	Sat 5/9/20	Mon 6/12/21
375	CH.FB1+66 - CH.FB 5+39 OC	379 days	Fri 15/5/20	Sat 21/8/21	HK Working Day			100%	Fri 15/5/20	Sat 21/8/21
376	CH.FB5+34 - CH.FC 0+00 OC	101 days	Mon 12/4/21	Wed 11/8/21	HK Working Day	394	381	100%	Mon 12/4/21	Wed 11/8/21
377	CH.FB 5+34 DN300 DN600 IT Chamber	30 days	Tue 21/6/22	Tue 26/7/22	HK Working Day	411	378	0%	NA	NA
378	CH.FB 5+34 DN300 Washout Chamber	60 days	Wed 27/7/22	Fri 7/10/22	HK Working Day	377		0%	NA	NA
379	**TKO South Waterfront Promenade (CH.FC0+00 - CH.FC 4+87)**	**443 days**	**Wed 26/2/20**	**Tue 24/8/21**	**HK Working Day**			**100%**	**Wed 26/2/20**	**Tue 24/8/21**

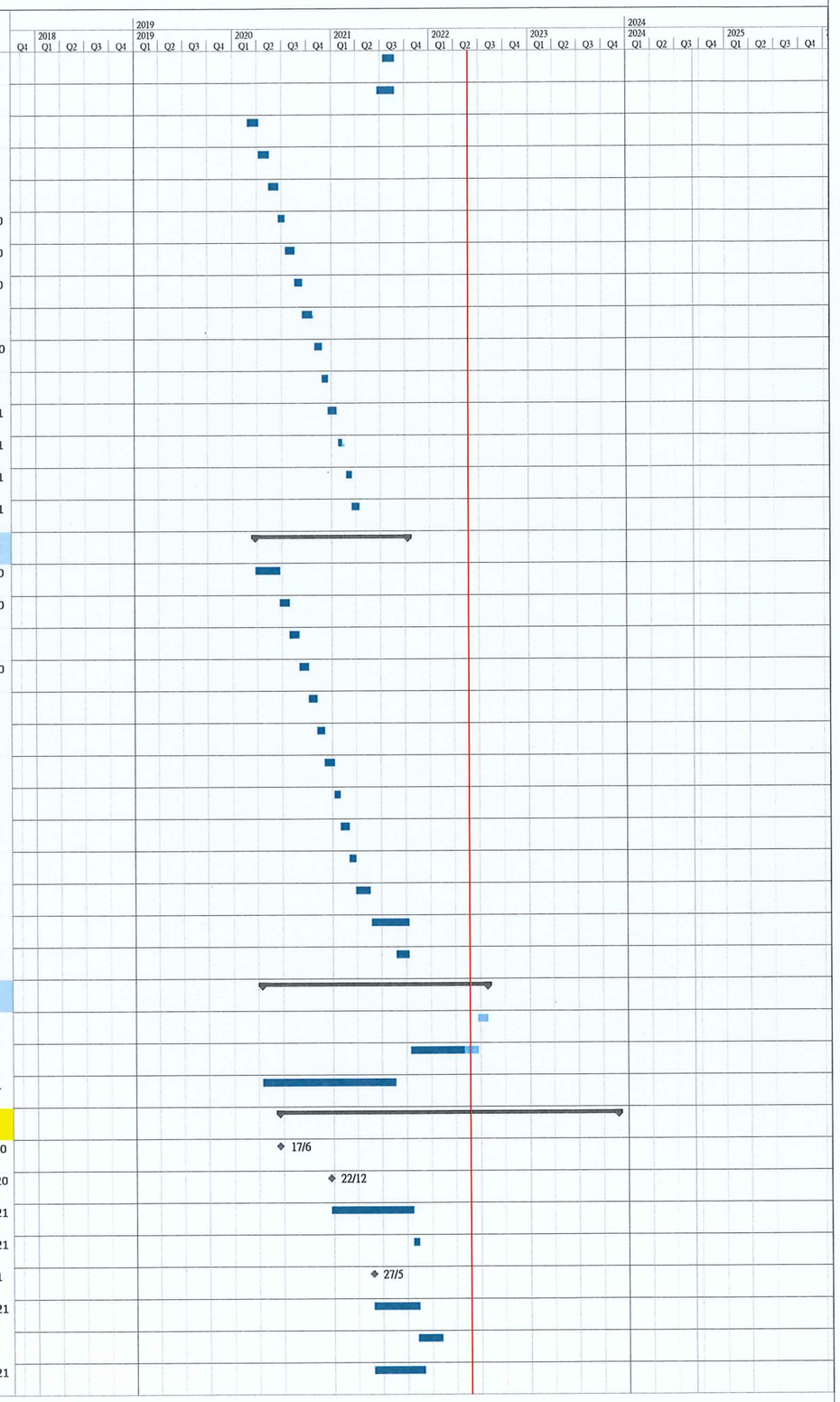


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
380	CH.FC 0+00 - CH.FC 0+29 OC	38 days	Mon 12/7/21	Tue 24/8/21	HK Working Day	381		100%	Mon 12/7/21	Tue 24/8/21
381	CH.FC 0+29 - CH.FC 0+65 OC	56 days	Sat 19/6/21	Tue 24/8/21	HK Working Day	382,376	380	100%	Sat 19/6/21	Tue 24/8/21
382	CH.FC 0+65 - CH.FC 0+95 OC	34 days	Wed 26/2/20	Mon 6/4/20	HK Working Day		383,381	100%	Wed 26/2/20	Mon 6/4/20
383	CH.FC 0+95 - CH.FC 1+27 OC	30 days	Mon 6/4/20	Fri 15/5/20	HK Working Day	382	384	100%	Mon 6/4/20	Fri 15/5/20
384	CH.FC 1+27 - CH.FC 1+59 OC	31 days	Fri 15/5/20	Fri 19/6/20	HK Working Day	383	385	100%	Fri 15/5/20	Fri 19/6/20
385	CH.FC 1+59 - CH.FC 1+91 OC	21 days	Fri 19/6/20	Wed 15/7/20	HK Working Day	384	386	100%	Fri 19/6/20	Wed 15/7/20
386	CH.FC 1+91 - CH.FC 2+23 OC	29 days	Wed 15/7/20	Mon 17/8/20	HK Working Day	385	387	100%	Wed 15/7/20	Mon 17/8/20
387	CH.FC 2+23 - CH.FC 2+55 OC	25 days	Mon 17/8/20	Mon 14/9/20	HK Working Day	386	388	100%	Mon 17/8/20	Mon 14/9/20
388	CH.FC 2+55 - CH.FC 2+87 OC	38 days	Mon 14/9/20	Fri 30/10/20	HK Working Day	387	389	100%	Mon 14/9/20	Fri 30/10/20
389	CH.FC 2+87 - CH.FC 3+19 OC	24 days	Fri 30/10/20	Thu 26/11/20	HK Working Day	388	390	100%	Fri 30/10/20	Thu 26/11/20
390	CH.FC 3+19 - CH.FC 3+51 OC	20 days	Thu 26/11/20	Fri 18/12/20	HK Working Day	389	391	100%	Thu 26/11/20	Fri 18/12/20
391	CH.FC 3+51 - CH.FC 3+83 OC	30 days	Fri 18/12/20	Mon 25/1/21	HK Working Day	390	392	100%	Fri 18/12/20	Mon 25/1/21
392	CH.FC 3+83 - CH.FC 4+15 OC	24 days	Mon 25/1/21	Wed 24/2/21	HK Working Day	391	393	100%	Mon 25/1/21	Wed 24/2/21
393	CH.FC 4+15 - CH.FC 4+47 OC	17 days	Wed 24/2/21	Mon 15/3/21	HK Working Day	392	394	100%	Wed 24/2/21	Mon 15/3/21
394	CH.FC 4+47 - CH.FC 4+89 C	21 days	Mon 15/3/21	Mon 12/4/21	HK Working Day	393	376	100%	Mon 15/3/21	Mon 12/4/21
395	**TKO South Waterfront Promenade (CH.FC4+87 - CH.FC 8+71)**	**458 days**	**Tue 24/3/20**	**Sat 9/10/21**	**HK Working Day**			**100%**	**Tue 24/3/20**	**Sat 9/10/21**
396	CH.FC 4+89 - CH.FC 5+19 OC with DN600 IT	72 days	Tue 24/3/20	Mon 22/6/20	HK Working Day		397	100%	Tue 24/3/20	Mon 22/6/20
397	CH.FC 5+19 - CH.FC 5+51 OC	29 days	Mon 22/6/20	Mon 27/7/20	HK Working Day	396	398	100%	Mon 22/6/20	Mon 27/7/20
398	CH.FC 5+51 - CH.FC 5+83 OC	32 days	Mon 27/7/20	Tue 1/9/20	HK Working Day	397	399	100%	Mon 27/7/20	Tue 1/9/20
399	CH.FC 5+83 - CH.FC 6+15 OC	28 days	Tue 1/9/20	Mon 5/10/20	HK Working Day	398	400	100%	Tue 1/9/20	Mon 5/10/20
400	CH.FC 6+15 - CH.FC 6+47 OC	27 days	Mon 5/10/20	Thu 5/11/20	HK Working Day	399	401	100%	Mon 5/10/20	Thu 5/11/20
401	CH.FC 6+47 - CH.FC 6+79 OC	25 days	Thu 5/11/20	Thu 3/12/20	HK Working Day	400	402	100%	Thu 5/11/20	Thu 3/12/20
402	CH.FC 6+79 - CH.FC 7+11 OC	29 days	Thu 3/12/20	Fri 8/1/21	HK Working Day	401	403	100%	Thu 3/12/20	Fri 8/1/21
403	CH.FC 7+11 - CH.FC 7+43 OC	19 days	Fri 8/1/21	Fri 29/1/21	HK Working Day	402	404	100%	Fri 8/1/21	Fri 29/1/21
404	CH.FC 7+43 - CH.FC 7+75 OC	25 days	Sat 30/1/21	Wed 3/3/21	HK Working Day	403	405	100%	Sat 30/1/21	Wed 3/3/21
405	CH.FC 7+75 - CH.FC 8+07 OC	22 days	Wed 3/3/21	Sat 27/3/21	HK Working Day	404	406	100%	Wed 3/3/21	Sat 27/3/21
406	CH.FC 8+07 - CH.FC 8+39 OC	40 days	Sat 27/3/21	Tue 18/5/21	HK Working Day	405	407	100%	Sat 27/3/21	Tue 18/5/21
407	CH.FC 8+39 - CH.FC 8+43 OC	116 days	Mon 24/5/21	Sat 9/10/21	HK Working Day	406		100%	Mon 24/5/21	Sat 9/10/21
408	CH.FC 8+43 - CH.FC 8+59 OC	39 days	Tue 24/8/21	Sat 9/10/21	HK Working Day		411	100%	Tue 24/8/21	Sat 9/10/21
409	**TKO Landfill Stage I Area B (CH.FC 8+59 - CH.FC 13+26)**	**677 days**	**Tue 14/4/20**	**Tue 26/7/22**	**HK Working Day**			**89%**	**Tue 14/4/20**	**NA**
410	Construct DN150 DAV Chamber at CH.FC 9+83	30 days	Tue 21/6/22	Tue 26/7/22	HK Working Day	411		0%	NA	NA
411	CH.FC 8+59 - CH.FC 9+83 OC	200 days	Fri 15/10/21	Mon 20/6/22	HK Working Day	412,408	423,377,410	80%	Fri 15/10/21	NA
412	CH.FC 9+83 - CH.FC 13+26 OC with Monitoring Chamber	402 days	Tue 14/4/20	Thu 19/8/21	HK Working Day		411	100%	Tue 14/4/20	Thu 19/8/21
413	**Water Mains Near Pung Loi Road (CH.FD0+00 - CH.A3+51)**	**1020 days**	**Wed 17/6/20**	**Thu 23/11/23**	**HK Working Day**			**60%**	**Wed 17/6/20**	**NA**
414	Issue CE No. 65 - Landscaping Survey near Po Yap and Pung Loi Road	0 days	Wed 17/6/20	Wed 17/6/20	Calendar Day			100%	Wed 17/6/20	Wed 17/6/20
415	Issue CE No. 87 - Affected Trees near Pung Loi Road, Po Yap Road and Wan Po Road	0 days	Tue 22/12/20	Tue 22/12/20	Calendar Day		416	100%	Tue 22/12/20	Tue 22/12/20
416	TPRP Submission and Approval	304 days	Tue 22/12/20	Thu 21/10/21	Calendar Day	415,614	417	100%	Tue 22/12/20	Thu 21/10/21
417	Site Possession and Tree Removal Works	21 days	Fri 22/10/21	Thu 11/11/21	Calendar Day	416	427	100%	Fri 22/10/21	Thu 11/11/21
418	Issue CE No. 60 - Realignment of Water Main near Pung Loi Road	0 days	Thu 27/5/21	Thu 27/5/21	Calendar Day		419,421	100%	Thu 27/5/21	Thu 27/5/21
419	Tender Process and Tender Award for CE No. 60	169 days	Thu 27/5/21	Thu 11/11/21	Calendar Day	418	420	100%	Thu 27/5/21	Thu 11/11/21
420	Design & Method Statement Submission and Approval ; Preparation Works for CE No. 60	90 days	Sun 7/11/21	Fri 4/2/22	Calendar Day	419	424	100%	Sun 7/11/21	Fri 4/2/22
421	TTA preparation, SLG meetings and obtain RA	188 days	Thu 27/5/21	Tue 30/11/21	Calendar Day	418	427,429	100%	Thu 27/5/21	Tue 30/11/21

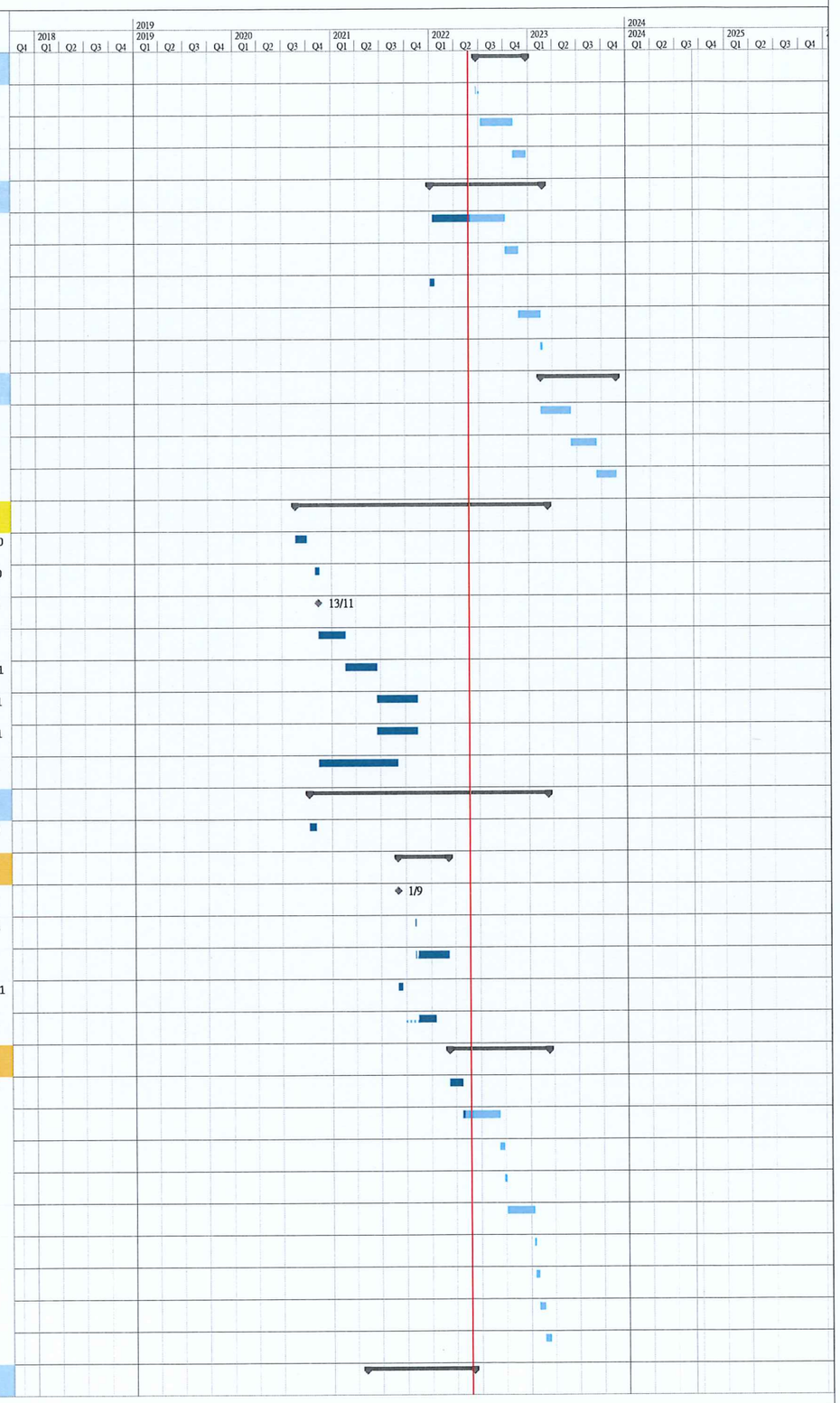


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
422	**Open Trench Crossing Pung Loi Avenue**	**156 days**	**Mon 20/6/22**	**Fri 23/12/22**	**HK Working Day**			**0%**	**NA**	**NA**
423	Obtain Access from EPD (TKO Landfill Stage I Area B)	14 days	Mon 20/6/22	Thu 7/7/22	HK Working Day	411	424	0%	NA	NA
424	CH.FD0+00 - CH.FD0+65 OC	100 days	Fri 8/7/22	Fri 4/11/22	HK Working Day	420,423	425	0%	NA	NA
425	Construction DN900 SV Chamber at CH.FD0+25	42 days	Sat 5/11/22	Fri 23/12/22	HK Working Day	424		0%	NA	NA
426	**Exposed Pipe From CH.FDD0+65 to FDSKR+00**	**337 days**	**Mon 3/1/22**	**Wed 22/2/23**	**HK Working Day**			**36%**	**Mon 3/1/22**	**NA**
427	Excavation In Slope Toe; Construction of Flooding Protecxtion Wall with U-Channel, Length = 135m, @12m @18days	216 days	Wed 12/1/22	Thu 6/10/22	HK Working Day	421,417	428	50%	Wed 12/1/22	NA
428	Exposed Pipe, Length = 173m, with concrete saddle Supports	42 days	Fri 7/10/22	Thu 24/11/22	HK Working Day	427	430	0%	NA	NA
429	3 nos. Trial Pit Exacavtion under existing Flyover	14 days	Mon 3/1/22	Tue 18/1/22	HK Working Day	421		100%	Mon 3/1/22	Tue 18/1/22
430	DN1200 Pipe Laying on Concrete Support with Concrete Hunching	65 days	Fri 25/11/22	Wed 15/2/23	HK Working Day	428	431,433	0%	NA	NA
431	Apply top coating of aliphatic polyurethane on site	6 days	Thu 16/2/23	Wed 22/2/23	HK Working Day	430	435	0%	NA	NA
432	**Open Trench Connecting Trenchless and Exposed Pipe**	**230 days**	**Thu 16/2/23**	**Thu 23/11/23**	**HK Working Day**			**0%**	**NA**	**NA**
433	CH.FSKR+00 to CH.FD3+15 OC	90 days	Thu 16/2/23	Wed 7/6/23	HK Working Day	430	435,434	0%	NA	NA
434	CH.FDD3+15 to CH.FDD3+51 OC with DN900 Valve Chamber and By-pass Pipe and Connection to Pit WPR1	80 days	Thu 8/6/23	Mon 11/9/23	HK Working Day	433	435,764,765	0%	NA	NA
435	Make Good Slope Toe and Landscape Work	60 days	Tue 12/9/23	Thu 23/11/23	HK Working Day	433,434,431		0%	NA	NA
436	**Water Mains near Pung Loi Road and Po Yap Road (CH.FE0+00 - CH.A3+58)**	**758 days**	**Thu 20/8/20**	**Sat 11/3/23**	**HK Working Day**		**765**	**78%**	**Thu 20/8/20**	**NA**
437	Trial Pit at Working Pit WPR1	36 days	Thu 20/8/20	Wed 30/9/20	HK Working Day			100%	Thu 20/8/20	Wed 30/9/20
438	Trial Pit at Working Pit G1A	12 days	Sun 1/11/20	Sat 14/11/20	HK Working Day			100%	Sun 1/11/20	Sat 14/11/20
439	Issue CE No. 59 - Realignment of Water Main near Pung Loi Road and Po Yap Round Roundabout	0 days	Fri 13/11/20	Fri 13/11/20	Calendar Day		440,444	100%	Fri 13/11/20	Fri 13/11/20
440	Tender Process and Tender Award for CE No. 59	99 days	Fri 13/11/20	Fri 19/2/21	Calendar Day	439	441	100%	Fri 13/11/20	Fri 19/2/21
441	Design & Method Statement Submission and Approval ; Preparation Works for Pit J1A	93 days	Sat 20/2/21	Wed 16/6/21	HK Working Day	440	465,442,443	100%	Sat 20/2/21	Wed 16/6/21
442	Design & Method Statement Submission and Approval ; Preparation Works for Pit G1A	125 days	Thu 17/6/21	Sat 13/11/21	HK Working Day	441	452	100%	Thu 17/6/21	Sat 13/11/21
443	Design & Method Statement Submission and Approval ; Preparation Works for Pit WPR1	125 days	Thu 17/6/21	Sat 13/11/21	HK Working Day	441	450	100%	Thu 17/6/21	Sat 13/11/21
444	TTA preparation, SLG meetings and obtain RA	293 days	Fri 13/11/20	Wed 1/9/21	Calendar Day	439	448	100%	Fri 13/11/20	Wed 1/9/21
445	**Trenchless Crossing MTR Tunnels (Pit WPR1 to Pit G1A)**	**717 days**	**Fri 9/10/20**	**Sat 11/3/23**	**HK Working Day**			**50%**	**Fri 9/10/20**	**NA**
446	Inspection Pit at Location of Pit G1A	19 days	Fri 9/10/20	Sun 1/11/20	HK Working Day			100%	Fri 9/10/20	Sun 1/11/20
447	**Construction of Jacking Pit / Receiving Pit (TBM)**	**151 days**	**Wed 1/9/21**	**Sat 5/3/22**	**HK Working Day**			**100%**	**Wed 1/9/21**	**Sat 5/3/22**
448	Obtain consent for vehicular access construction for WPR1	0 days	Wed 1/9/21	Wed 1/9/21	HK Working Day	444		100%	Wed 1/9/21	Wed 1/9/21
449	Tree Truning at WPR1	2 days	Wed 3/11/21	Thu 4/11/21	HK Working Day		450	100%	Wed 3/11/21	Thu 4/11/21
450	Jacking Pit WPR1 (Near Pung Loi Road)	91.2 days	Fri 5/11/21	Sat 5/3/22	HK Working Day	449,443	454	100%	Fri 5/11/21	Sat 5/3/22
451	Planter Removal and Access Formation to pit G1A	13 days	Wed 1/9/21	Wed 15/9/21	HK Working Day		452	100%	Wed 1/9/21	Wed 15/9/21
452	Receiving Pit G1A (Near Po Yap Road)	91 days	Mon 27/9/21	Sat 15/1/22	HK Working Day	451,442	470,454	100%	Mon 27/9/21	Sat 15/1/22
453	**TBM Pipe Jacking (WPR1 to J1A)**	**301 days**	**Mon 7/3/22**	**Sat 11/3/23**	**HK Working Day**			**14%**	**Mon 7/3/22**	**NA**
454	TBM Establishment at Pit WPR1	38 days	Mon 7/3/22	Sat 23/4/22	HK Working Day	450,452	455	100%	Mon 7/3/22	Sat 23/4/22
455	Jacking DN1600 Precast Concrete Sleeve Pipe (224m; 2.0m/day)	112 days	Sun 24/4/22	Tue 6/9/22	HK Working Day	454	456	5%	Sun 24/4/22	NA
456	Remove setup including Thrust Wall at Pit WPR1	14 days	Wed 7/9/22	Fri 23/9/22	HK Working Day	455	457	0%	NA	NA
457	Setup for Pipe Laying inside Jacking Pit WPR1	6 days	Sat 24/9/22	Fri 30/9/22	HK Working Day	456	458	0%	NA	NA
458	DN1200 MS Pipe Laying inside Jacking Pipe (224m) (3 days per 8m)	84 days	Mon 3/10/22	Thu 12/1/23	HK Working Day	457	459	0%	NA	NA
459	Formwork & Setup for Grouting the gap between pipe and Sleeve	3 days	Fri 13/1/23	Mon 16/1/23	HK Working Day	458	460	0%	NA	NA
460	Grouting Works (30m per day)	8 days	Tue 17/1/23	Sat 28/1/23	HK Working Day	459	461	0%	NA	NA
461	Pipe Connection inside Working Pit WPR1	18 days	Mon 30/1/23	Sat 18/2/23	HK Working Day	460	462	0%	NA	NA
462	Remove ELS including extracting sheet piles at Pit WPR1; Reinstatement	18 days	Mon 20/2/23	Sat 11/3/23	HK Working Day	461		0%	NA	NA
463	**Trenchless Works (Pit G1A or Pit J1A)**	**320 days**	**Mon 3/5/21**	**Tue 31/5/22**	**HK Working Day**			**97%**	**Mon 3/5/21**	**NA**

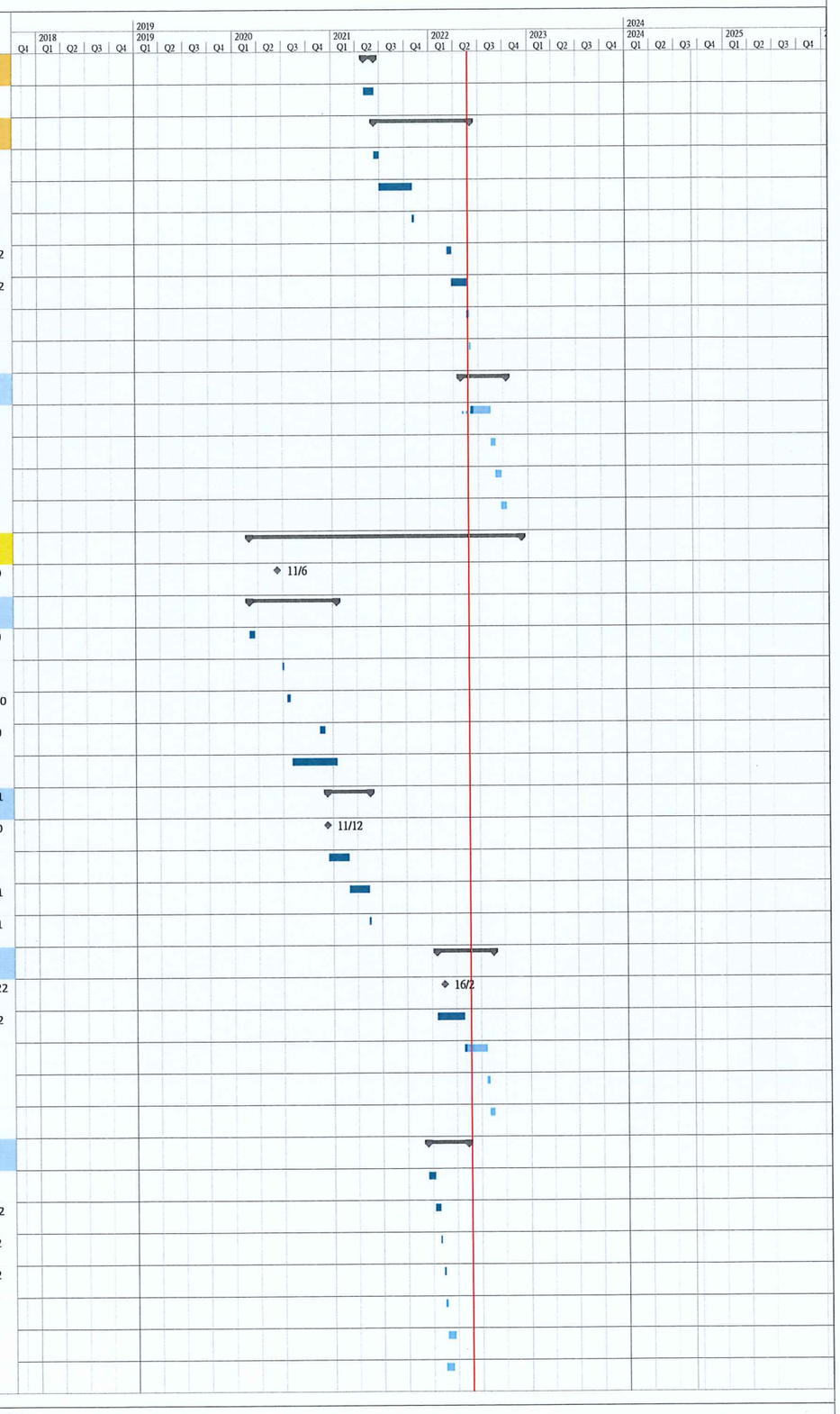


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
464	**Construction of Jacking Pit J1A (Hand Shield)**	**32 days**	**Mon 3/5/21**	**Wed 9/6/21**	**HK Working Day**			**100%**	**Mon 3/5/21**	**Wed 9/6/21**
465	Construction of Jacking Pit J1A	32 days	Mon 3/5/21	Wed 9/6/21	HK Working Day	441	467	100%	Mon 3/5/21	Wed 9/6/21
466	**Handshield Pipe Jacking (Pit G1A to Pit J1A)**	**288 days**	**Thu 10/6/21**	**Tue 31/5/22**	**HK Working Day**			**96%**	**Thu 10/6/21**	**NA**
467	Establishment at Pit J1A	16 days	Thu 10/6/21	Tue 29/6/21	HK Working Day	465	468	100%	Thu 10/6/21	Tue 29/6/21
468	Hand shield pipe jacking (I.D. 1600 segment pipe), 0.65m/day	101 days	Wed 30/6/21	Fri 29/10/21	HK Working Day	467	469	100%	Wed 30/6/21	Fri 29/10/21
469	Remove Setup at Pit J1A	6 days	Sat 30/10/21	Fri 5/11/21	HK Working Day	468	470	100%	Sat 30/10/21	Fri 5/11/21
470	Setup for Pipe Laying inside jacking Pit J1A	14 days	Tue 8/3/22	Wed 23/3/22	HK Working Day	469,452	471	100%	Tue 8/3/22	Wed 23/3/22
471	DN1200 MS Pipe Laying inside jacking pipe (~70m) (3 days per 4m)	42 days	Thu 24/3/22	Wed 18/5/22	HK Working Day	470	472	100%	Thu 24/3/22	Wed 18/5/22
472	Formwork & Setup for Grouting the gap between pipe and Sleeve	8 days	Thu 19/5/22	Fri 27/5/22	HK Working Day	471	473	50%	Thu 19/5/22	NA
473	Grouting Works (30 meter/day)	3 days	Sat 28/5/22	Tue 31/5/22	HK Working Day	472	475	0%	NA	NA
474	**Open Trench between Pit K and J1A**	**138 days**	**Tue 26/4/22**	**Tue 11/10/22**	**HK Working Day**			**7%**	**Tue 26/4/22**	**NA**
475	Pipe Laying From Pit K to Pit J1A (OC) (48m)	62 days	Tue 26/4/22	Sat 13/8/22	HK Working Day	473	476	13%	Tue 26/4/22	NA
476	Construction of Thrust Block from Pit K to Pit J1A	15 days	Mon 15/8/22	Wed 31/8/22	HK Working Day	475	477	0%	NA	NA
477	Backfill Trench and Remove ELS	18 days	Thu 1/9/22	Thu 22/9/22	HK Working Day	476	478	0%	NA	NA
478	Reinstatement of Plant and Shrubs in Roundabout	14 days	Fri 23/9/22	Tue 11/10/22	HK Working Day	477		0%	NA	NA
479	**Trenchless Work from Po Yap Road Roundabout to KMB Depot (Pit K to Pit L) (Pit O to Pit P)**	**822 days**	**Fri 28/2/20**	**Mon 5/12/22**	**HK Working Day**		**765**	**55%**	**Fri 28/2/20**	**NA**
480	Issue CE No. 50 - Realignment of Watermain at the Junction of Wan Po Road and Po Yap Road and the Junction of Po Hong Road and Po Shun Road.	0 days	Thu 11/6/20	Thu 11/6/20	Calendar Day			100%	Thu 11/6/20	Thu 11/6/20
481	**Construction of Jacking Pit K & Pit P**	**263 days**	**Fri 28/2/20**	**Fri 15/1/21**	**HK Working Day**			**100%**	**Fri 28/2/20**	**Fri 15/1/21**
482	Inspection Pit Excavation at Pit K	16 days	Fri 28/2/20	Tue 17/3/20	HK Working Day			100%	Fri 28/2/20	Tue 17/3/20
483	Inspection Pit Excavation at Pit P	3 days	Mon 29/6/20	Thu 2/7/20	HK Working Day			100%	Mon 29/6/20	Thu 2/7/20
484	Forming temporary Vehicle Access for Pit P	10 days	Thu 16/7/20	Mon 27/7/20	HK Working Day		486	100%	Thu 16/7/20	Mon 27/7/20
485	Jacking Pit K	15 days	Sat 14/11/20	Tue 1/12/20	HK Working Day		489	100%	Sat 14/11/20	Tue 1/12/20
486	Jacking Pit P + additional Grouting	137 days	Mon 3/8/20	Fri 15/1/21	HK Working Day	484		100%	Mon 3/8/20	Fri 15/1/21
487	**Hand Shield Jacking (Pit K to Pit L)**	**125 days**	**Fri 11/12/20**	**Tue 18/5/21**	**HK Working Day**			**100%**	**Fri 11/12/20**	**Tue 18/5/21**
488	MTR'S Consent Obtained	0 days	Fri 11/12/20	Fri 11/12/20	HK Working Day			100%	Fri 11/12/20	Fri 11/12/20
489	Establishment at Pit K	59 days	Mon 14/12/20	Fri 26/2/21	HK Working Day	485,531	490	100%	Mon 14/12/20	Fri 26/2/21
490	Segment @400mm Sleeve Pipe (Pit L to Pit K)(~ 56m) in Soil (0.8m/day)	59 days	Mon 1/3/21	Thu 13/5/21	HK Working Day	489	491	100%	Mon 1/3/21	Thu 13/5/21
491	Remove setup at Pit K	4 days	Thu 13/5/21	Tue 18/5/21	HK Working Day	490	499	100%	Thu 13/5/21	Tue 18/5/21
492	**TBM Pipe Jacking (Pit O to Pit P)**	**169 days**	**Wed 19/1/22**	**Tue 16/8/22**	**HK Working Day**			**50%**	**Wed 19/1/22**	**NA**
493	WSD accepted to change Sub-Contractor from Wellcon to VTEC	0 days	Wed 16/2/22	Wed 16/2/22	HK Working Day	555		100%	Wed 16/2/22	Wed 16/2/22
494	TBM Establishment at Pit O	79 days	Wed 19/1/22	Thu 28/4/22	HK Working Day		495	100%	Wed 19/1/22	Thu 28/4/22
495	Jacking DN1600 Precast Concrete Sleeve Pipe (200m; 3.0m/day)	67 days	Fri 29/4/22	Wed 20/7/22	HK Working Day	494	496	8%	Fri 29/4/22	NA
496	Grouting around sleeve pipes	9 days	Thu 21/7/22	Sat 30/7/22	HK Working Day	495	508,497	0%	NA	NA
497	Remove Pit setup at Pit P	14 days	Mon 1/8/22	Tue 16/8/22	HK Working Day	496	508	0%	NA	NA
498	**DN1200 Pipelaying (Pit K to Pit L)**	**116 days**	**Tue 14/12/21**	**Wed 11/5/22**	**HK Working Day**			**22%**	**Tue 14/12/21**	**NA**
499	Setup for Pipe Laying inside jacking Pit K	6 days	Tue 14/12/21	Fri 7/1/22	HK Working Day	491,545	500	100%	Tue 14/12/21	Fri 7/1/22
500	DN1200 MS Pipe Laying inside jacking pipe (53m) (3 days per 4m) (Only Internal Coating)	15 days	Sat 8/1/22	Tue 25/1/22	HK Working Day	499	501	100%	Sat 8/1/22	Tue 25/1/22
501	Formwork & Setup for Grouting the gap between pipe and Sleeve	2 days	Wed 26/1/22	Sat 29/1/22	HK Working Day	500	502	100%	Wed 26/1/22	Sat 29/1/22
502	Grouting Works (30 meter/day)	4 days	Wed 9/2/22	Sat 12/2/22	HK Working Day	501	503,505	100%	Wed 9/2/22	Sat 12/2/22
503	Pipe Connection at Pit L	9 days	Thu 10/2/22	Sat 19/2/22	HK Working Day	502	504	10%	Thu 10/2/22	NA
504	Remove ELS at Pit L	24 days	Mon 21/2/22	Sat 19/3/22	HK Working Day	503		0%	NA	NA
505	Remove ELS at Pit K	24 days	Mon 14/2/22	Sat 12/3/22	HK Working Day	502	506	0%	NA	NA

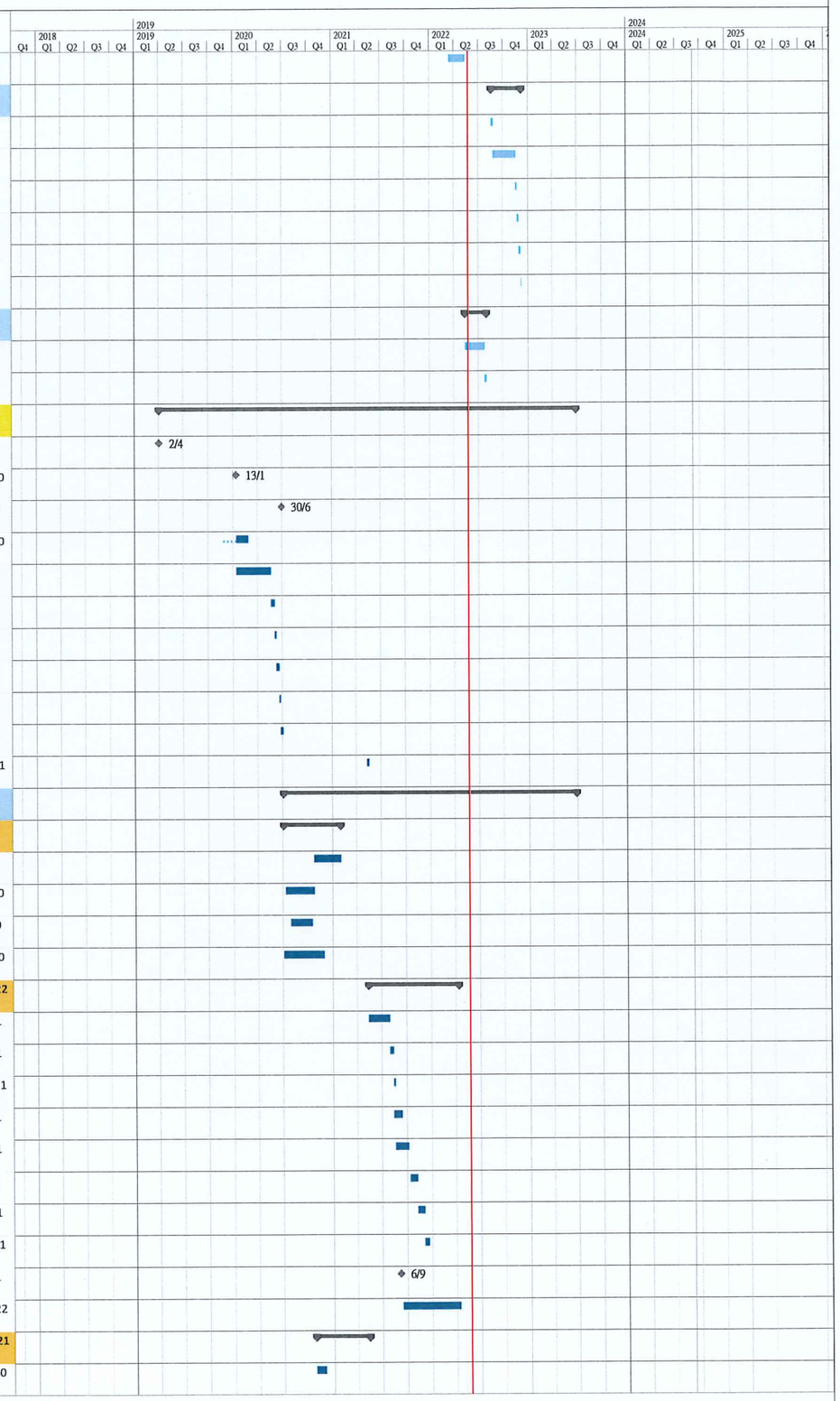


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
506	Construction of DN900 Valve Chamber and DN150 By-pass Pipe & Valves Near Pit K	45 days	Mon 14/3/22	Wed 11/5/22	HK Working Day	505	515	0%	NA	NA
507	**DN1200 Pipelaying (Pit P to Pit O)**	**92 days**	**Wed 17/8/22**	**Mon 5/12/22**	**HK Working Day**			**0%**	**NA**	**NA**
508	Setup for Pipe Laying inside jacking Pit O	6 days	Wed 17/8/22	Tue 23/8/22	HK Working Day	496,497	509	0%	NA	NA
509	DN1200 MS Pipe Laying inside jacking pipe (187m) (3 days per 8m)(Only Internal Coating)	70 days	Wed 24/8/22	Wed 16/11/22	HK Working Day	508	510	0%	NA	NA
510	Formwork & Setup for Grouting the gap between pipe and Sleeve	3 days	Thu 17/11/22	Sat 19/11/22	HK Working Day	509	511	0%	NA	NA
511	Grouting Works (30 meter/day)	6 days	Mon 21/11/22	Sat 26/11/22	HK Working Day	510	577,512,610	0%	NA	NA
512	Pipe Connection at Pit O	6 days	Mon 28/11/22	Sat 3/12/22	HK Working Day	511	513	0%	NA	NA
513	Remove ELS at Pit O	1 day	Mon 5/12/22	Mon 5/12/22	HK Working Day	512		0%	NA	NA
514	**Reinstatement of Po Yap Road Roundabout**	**66 days**	**Thu 12/5/22**	**Fri 29/7/22**	**HK Working Day**			**0%**	**NA**	**NA**
515	Reinstatement Works	60 days	Thu 12/5/22	Fri 22/7/22	HK Working Day	506	516	0%	NA	NA
516	Handover Inspection with LCSD	6 days	Sat 23/7/22	Fri 29/7/22	HK Working Day	515		0%	NA	NA
517	**Trenchless Work from Po Yap Road Roundabout (Hong Kong Velodrome)**	**1251 days**	**Tue 2/4/19**	**Mon 26/6/23**	**HK Working Day**		**765**	**80%**	**Tue 2/4/19**	**NA**
518	Issue CE No. 14 - Manhole inspection of existing drain/Outfall near Hong Kong Velodrome and TKO stage 1 Landfill and CCTV survey of existing Drain at Cycle Track	0 days	Tue 2/4/19	Tue 2/4/19	Calendar Day		521,522	100%	Tue 2/4/19	Tue 2/4/19
519	Issue CE No. 28 - Realignment of Water Mains along Po Yap Road and Po Hong Road	0 days	Mon 13/1/20	Mon 13/1/20	Calendar Day		521,522	100%	Mon 13/1/20	Mon 13/1/20
520	Issue CE No. 28A - Affected Trees along Cycle Track next to Hong Kong Velodrome and Tseung Kwan O Sport Ground	0 days	Tue 30/6/20	Tue 30/6/20	Calendar Day			100%	Tue 30/6/20	Tue 30/6/20
521	Tender and Subletting for CE No. 28	99 days	Mon 18/11/19	Mon 24/2/20	Calendar Day	519,518		100%	Mon 18/11/19	Mon 24/2/20
522	TTA preparation, SLG meetings, obtain RA and TPRP Approval for Temporary Vehicular Access at HK Velodrome	128 days	Mon 13/1/20	Tue 19/5/20	Calendar Day	519,518	523	100%	Mon 13/1/20	Tue 19/5/20
523	Coordination with LCSD and Notification to District Councilors	14 days	Wed 20/5/20	Tue 2/6/20	Calendar Day	522	524	100%	Wed 20/5/20	Tue 2/6/20
524	Form Temporary Vehicle Access at TKO Sport Ground	5 days	Mon 1/6/20	Mon 8/6/20	HK Working Day	523	525	100%	Mon 1/6/20	Mon 8/6/20
525	Tree Transplanting Working & Tree Removal Works at TKO Sport Ground (CE No. 28)	10 days	Tue 9/6/20	Fri 19/6/20	HK Working Day	524	526	100%	Tue 9/6/20	Fri 19/6/20
526	Tree Pruning Working for driving Sheetpile at Pit M, Pit N & Pit O	3 days	Sat 20/6/20	Tue 23/6/20	HK Working Day	525	527	100%	Sat 20/6/20	Tue 23/6/20
527	Mobilization of Sheet-piles and Driving Machines	7 days	Wed 24/6/20	Fri 3/7/20	HK Working Day	526	534,532	100%	Wed 24/6/20	Fri 3/7/20
528	Works suspended by closure of vehicular access at Velodrome	8 days	Mon 10/5/21	Mon 17/5/21	Calendar Day			100%	Mon 10/5/21	Mon 17/5/21
529	**Trenchless Works (Pit L to Pit O)**	**882 days**	**Sat 4/7/20**	**Mon 26/6/23**	**HK Working Day**			**77%**	**Sat 4/7/20**	**NA**
530	**Construction of Jacking Pit & Receiving Pit**	**175 days**	**Sat 4/7/20**	**Sat 30/1/21**	**HK Working Day**			**100%**	**Sat 4/7/20**	**Sat 30/1/21**
531	Receiving Pit L	81 days	Sat 24/10/20	Sat 30/1/21	HK Working Day	532	489	100%	Sat 24/10/20	Sat 30/1/21
532	Jacking Pit M	89 days	Sat 11/7/20	Sat 24/10/20	HK Working Day	527	531,547	100%	Sat 11/7/20	Sat 24/10/20
533	Receiving Pit N	66 days	Thu 30/7/20	Fri 16/10/20	HK Working Day			100%	Thu 30/7/20	Fri 16/10/20
534	Jacking / Receiving Pit O + additional Grouting	124 days	Sat 4/7/20	Sat 28/11/20	HK Working Day	527	551	100%	Sat 4/7/20	Sat 28/11/20
535	**TBM Pipe Jacking (Pit M to Pit L)**	**273 days**	**Thu 13/5/21**	**Mon 11/4/22**	**HK Working Day**			**100%**	**Thu 13/5/21**	**Mon 11/4/22**
536	Re-establishment at Pit M for changing jacking direction	64 days	Thu 13/5/21	Thu 29/7/21	HK Working Day	549	537	100%	Thu 13/5/21	Thu 29/7/21
537	DN1600 Precast Concrete Sleeve Pipe (Pit M - Pit L) approx. 10m	12 days	Fri 30/7/21	Thu 12/8/21	HK Working Day	536	538,539	100%	Fri 30/7/21	Thu 12/8/21
538	TBM suspended, review for Rescue pit construction	5 days	Fri 13/8/21	Wed 18/8/21	HK Working Day	537	540	100%	Fri 13/8/21	Wed 18/8/21
539	Review and study the alternative construction method (Open Cut in normal condition)	26 days	Fri 13/8/21	Sun 12/9/21	HK Working Day	537	544	100%	Fri 13/8/21	Sun 12/9/21
540	Rescue Pit Construction & Retrieval of TBM	39 days	Thu 19/8/21	Tue 5/10/21	HK Working Day	538	541	100%	Thu 19/8/21	Tue 5/10/21
541	Set up working platform and lifting grantry at Rescue Pit for Handshield; Forming Entrance	23 days	Mon 11/10/21	Sat 6/11/21	HK Working Day	540	542	100%	Mon 11/10/21	Sat 6/11/21
542	Hand dig tunnel between Pit M and Rescue Pit	22 days	Mon 8/11/21	Thu 2/12/21	HK Working Day	541	543	100%	Mon 8/11/21	Thu 2/12/21
543	Remove setup & removal of Thrust wall	14 days	Fri 3/12/21	Sat 18/12/21	HK Working Day	542	560	100%	Fri 3/12/21	Sat 18/12/21
544	WSD accepted Alternative Scheme from Pit O to Pit L	0 days	Mon 6/9/21	Mon 6/9/21	HK Working Day	539	545	100%	Mon 6/9/21	Mon 6/9/21
545	Water mains by Open Cut Method (West Portion - 143m)	171 days	Mon 13/9/21	Mon 11/4/22	HK Working Day	544	560,499	100%	Mon 13/9/21	Mon 11/4/22
546	**TBM Pipe Jacking (Pit M to Pit N)**	**159 days**	**Mon 26/10/20**	**Wed 12/5/21**	**HK Working Day**			**100%**	**Mon 26/10/20**	**Wed 12/5/21**
547	Establishment at Pit M	29 days	Mon 26/10/20	Sat 28/11/20	HK Working Day	532	548	100%	Mon 26/10/20	Sat 28/11/20

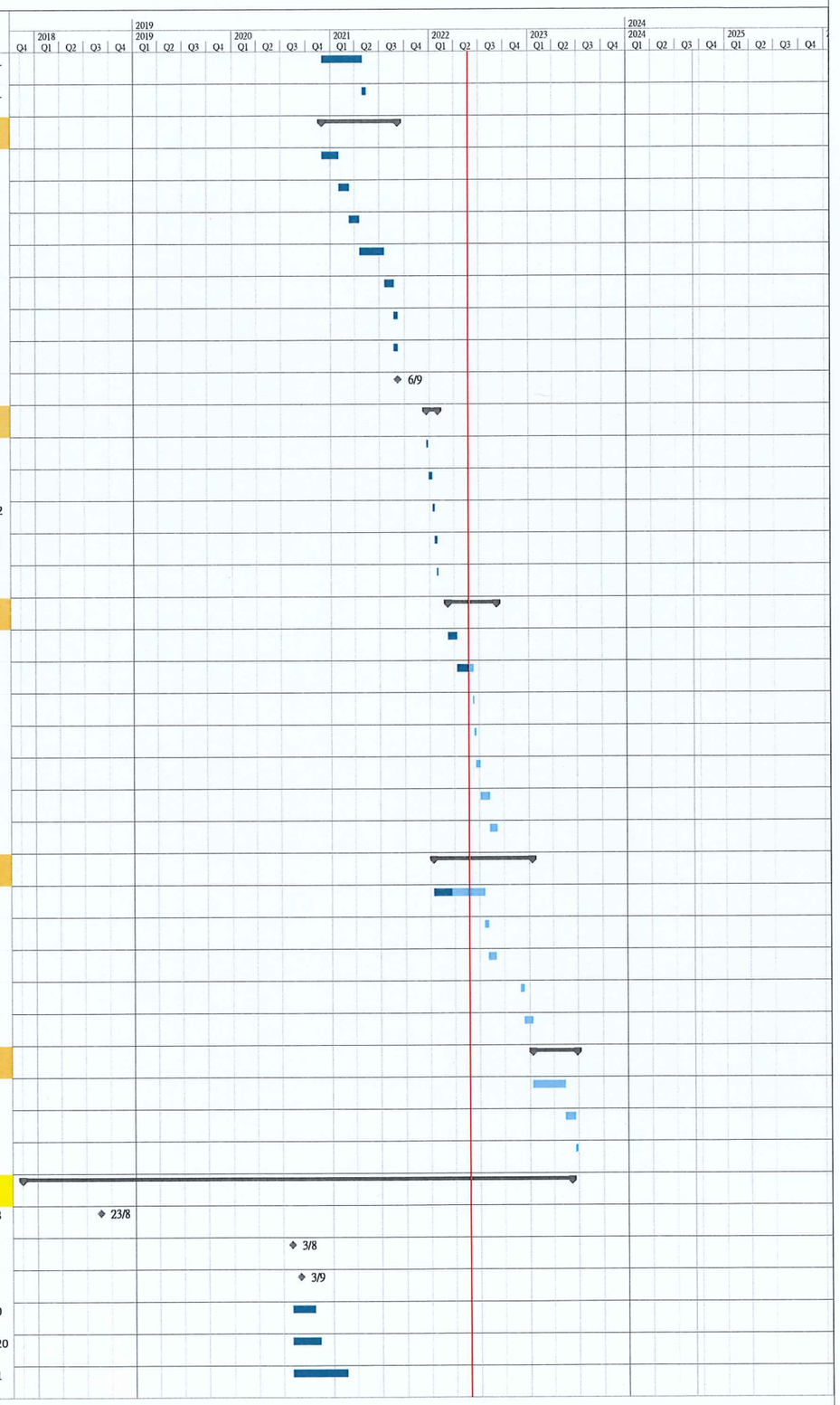


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
548	DN1600 Precast Concrete Sleeve Pipe (Pit M - Pit N) (CH.GA1+86 to CH.GA3+20) in Soil (134m; 3.5m/day)	119 days	Mon 30/11/20	Wed 28/4/21	HK Working Day	547	549	100%	Mon 30/11/20	Wed 28/4/21
549	Grouting around sleeve pipe	11 days	Thu 29/4/21	Wed 12/5/21	HK Working Day	548	536	100%	Thu 29/4/21	Wed 12/5/21
550	**TBM Pipe Jacking (Pit O to Pit N)**	**226 days**	**Mon 30/11/20**	**Mon 6/9/21**	**HK Working Day**			**100%**	**Mon 30/11/20**	**Mon 6/9/21**
551	Establishment at Pit O	51 days	Mon 30/11/20	Sat 30/1/21	HK Working Day	534	552	100%	Mon 30/11/20	Sat 30/1/21
552	DN1600 Precast Concrete Sleeve Pipe (Pit O - Pit N) Suspended due to water ingress and obstruction at 8m away from Pit O	31 days	Mon 1/2/21	Thu 11/3/21	HK Working Day	551	553	100%	Mon 1/2/21	Thu 11/3/21
553	Retraction of Sleeve pipe	28 days	Fri 12/3/21	Sat 17/4/21	HK Working Day	552	554	100%	Fri 12/3/21	Sat 17/4/21
554	Rescue Pit for TBM	74 days	Mon 19/4/21	Sat 17/7/21	HK Working Day	553	555	100%	Mon 19/4/21	Sat 17/7/21
555	Remove TBM from Rescue Pit; Detail Inspection ad Trial operation on ground	30 days	Mon 19/7/21	Sat 21/8/21	HK Working Day	554	556,557,493	100%	Mon 19/7/21	Sat 21/8/21
556	Dismantle and remove set up at Pit O	12 days	Mon 23/8/21	Sat 4/9/21	HK Working Day	555		100%	Mon 23/8/21	Sat 4/9/21
557	Review and study the alternative construction method (Open Cut in wet condition)	12 days	Mon 23/8/21	Sat 4/9/21	HK Working Day	555	558	100%	Mon 23/8/21	Sat 4/9/21
558	WSD accepted Alternative Scheme from Pit O to Pit L	0 days	Mon 6/9/21	Mon 6/9/21	HK Working Day	557	574	100%	Mon 6/9/21	Mon 6/9/21
559	**DN1200 Pipelaying in side Hang Dig Tunnel (Pit M to Pit L)**	**33 days**	**Mon 20/12/21**	**Sat 29/1/22**	**HK Working Day**			**100%**	**Mon 20/12/21**	**Sat 29/1/22**
560	setup for pipe laying inside hand dig tunnel	5 days	Mon 20/12/21	Fri 24/12/21	HK Working Day	543,545	561	100%	Mon 20/12/21	Fri 24/12/21
561	DN1200 MS Pipe Laying inside Hand dig tunnel	10 days	Tue 28/12/21	Sat 8/1/22	HK Working Day	560	562	100%	Tue 28/12/21	Sat 8/1/22
562	Formwork & Setup for Grouting the gap between pipe and Sleeve	5 days	Wed 12/1/22	Mon 17/1/22	HK Working Day	561	563	100%	Wed 12/1/22	Mon 17/1/22
563	Grouting Works (30 meter/day)	8 days	Wed 19/1/22	Thu 27/1/22	HK Working Day	562	564	100%	Wed 19/1/22	Thu 27/1/22
564	Remove Pit setup	2 days	Fri 28/1/22	Sat 29/1/22	HK Working Day	563	570,566,580	100%	Fri 28/1/22	Sat 29/1/22
565	**DN1200 Pipelaying in Sleeve pipe (Pit M to Pit N)**	**147 days**	**Tue 8/3/22**	**Sat 3/9/22**	**HK Working Day**			**42%**	**Tue 8/3/22**	**NA**
566	Setup for Pipe Laying inside jacking Pit N	28 days	Tue 8/3/22	Sat 9/4/22	HK Working Day	564	567	100%	Tue 8/3/22	Sat 9/4/22
567	DN1200 MS Pipe Laying inside jacking pipe (134m) (3 days per 8m)(Only Internal Coating)	45 days	Mon 11/4/22	Wed 8/6/22	HK Working Day	566	568	75%	Mon 11/4/22	NA
568	Formwork & Setup for Grouting the gap between pipe and Sleeve	3 days	Thu 9/6/22	Sat 11/6/22	HK Working Day	567	569	0%	NA	NA
569	Grouting Works (30 meter/day)	5 days	Mon 13/6/22	Fri 17/6/22	HK Working Day	568	570,575	0%	NA	NA
570	Pipe Connection Inside Pit M	12 days	Sat 18/6/22	Sat 2/7/22	HK Working Day	569,564	571	0%	NA	NA
571	Construction of IT Chamber at Pit M	30 days	Mon 4/7/22	Sat 6/8/22	HK Working Day	570	572	0%	NA	NA
572	Remove ELS including extracting sheet piles at Pit M & Pit N	24 days	Mon 8/8/22	Sat 3/9/22	HK Working Day	571	580	0%	NA	NA
573	**DN1200 Pipelaying (Pit O to Pit N)**	**296 days**	**Wed 12/1/22**	**Wed 11/1/23**	**HK Working Day**			**24%**	**Wed 12/1/22**	**NA**
574	Water mains by Open Cut Method (West Portion - 177m)	150 days	Wed 12/1/22	Mon 18/7/22	HK Working Day	558	575	36%	Wed 12/1/22	NA
575	Pipe Connection Inside Pit N	12 days	Tue 19/7/22	Mon 1/8/22	HK Working Day	569,574	576	0%	NA	NA
576	Remove ELS including extracting sheet piles at Pit N	24 days	Tue 2/8/22	Mon 29/8/22	HK Working Day	575	580	0%	NA	NA
577	Pipe Connection in side Pit O	12 days	Mon 28/11/22	Sat 10/12/22	HK Working Day	511	578	0%	NA	NA
578	Remove ELS including extracting sheet piles at Pit O	24 days	Mon 12/12/22	Wed 11/1/23	HK Working Day	577	580	0%	NA	NA
579	**Reinstallation of Cycle track Pavement and Planter**	**132 days**	**Thu 12/1/23**	**Mon 26/6/23**	**HK Working Day**			**0%**	**NA**	**NA**
580	Reinstalment Works	96 days	Thu 12/1/23	Fri 12/5/23	HK Working Day	576,578,572,564	581	0%	NA	NA
581	Compensation Tree Planting	30 days	Sat 13/5/23	Sat 17/6/23	HK Working Day	580	582	0%	NA	NA
582	Handover Inspection with LCSD and HyD	6 days	Mon 19/6/23	Mon 26/6/23	HK Working Day	581		0%	NA	NA
583	**Water Mains from KMB Depot to TKO Fresh Water Preliminary Service Reservoir**	**1649 days**	**Tue 7/11/17**	**Mon 5/6/23**	**HK Working Day**			**80%**	**Tue 7/11/17**	**NA**
584	Issue CE No. 04 - Feasibility Study of Realignment of Pipeline between Po Hung Road and TKO Freshwater PSR	0 days	Thu 23/8/18	Thu 23/8/18	Calendar Day			100%	Thu 23/8/18	Thu 23/8/18
585	Issue CE No. 51 - Realignment of Water Main in Tsui Lam Section	0 days	Mon 3/8/20	Mon 3/8/20	Calendar Day		590,587,736,588,589	100%	Mon 3/8/20	Mon 3/8/20
586	Issue WSD Letter Ref.: (4) in WSD/M/7503/13/WSD/16/M15/300/51 for additional works to CE No. 51	0 days	Thu 3/9/20	Thu 3/9/20	Calendar Day			100%	Thu 3/9/20	Thu 3/9/20
587	Tendering Process, Tender Award for CE No. 51 (Batch No, 1)	82 days	Mon 3/8/20	Fri 23/10/20	Calendar Day	585		100%	Mon 3/8/20	Fri 23/10/20
588	Tendering Process, Tender Award for CE No. 51 (Batch No. 2)	102 days	Mon 3/8/20	Thu 12/11/20	Calendar Day	585		100%	Mon 3/8/20	Thu 12/11/20
589	Tendering Process, Tender Award for CE No. 51 (Batch No. 3))	200 days	Mon 3/8/20	Thu 18/2/21	Calendar Day	585	735,737	100%	Mon 3/8/20	Thu 18/2/21

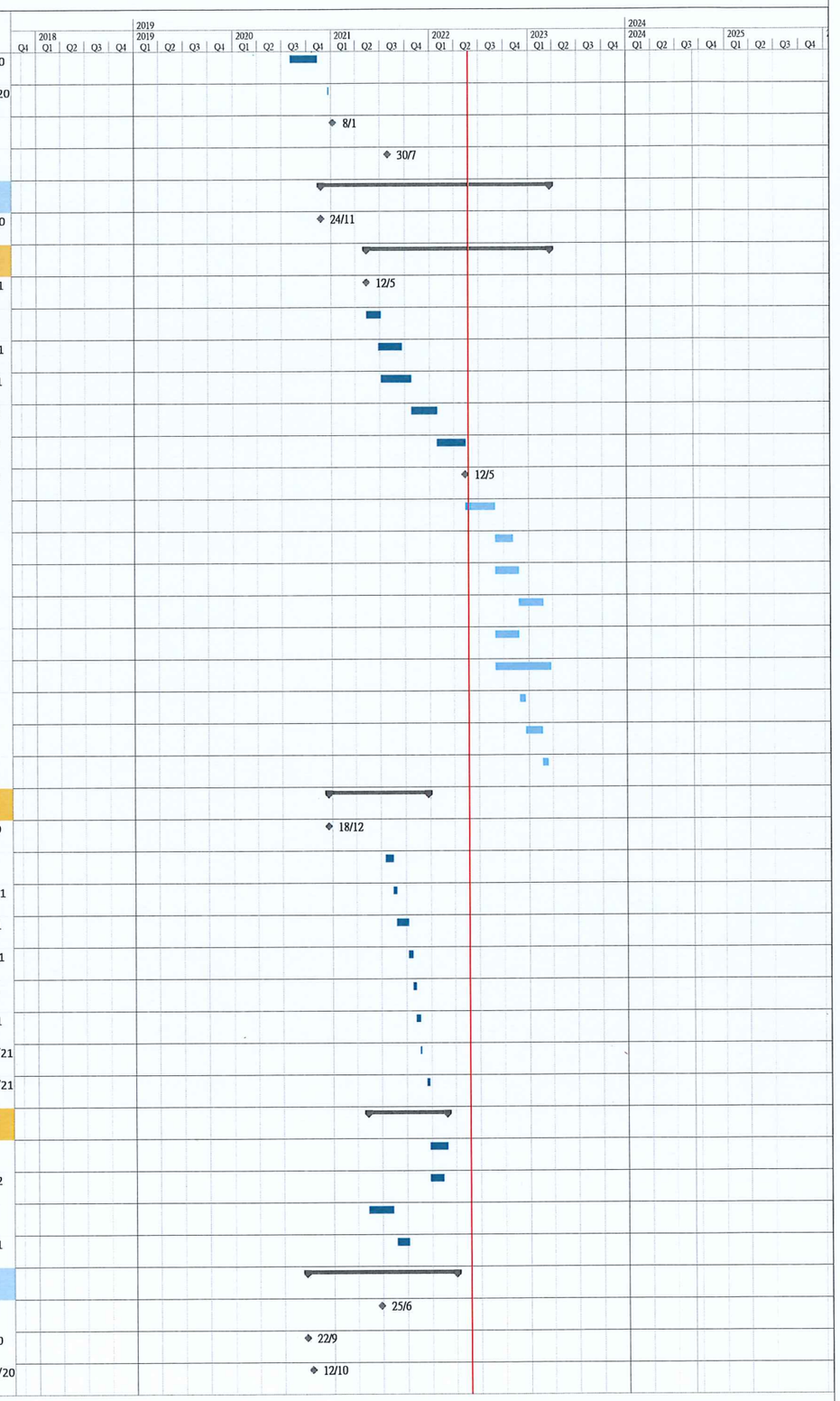


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
590	TTA preparation, SLG meetings, obtain RA and implement Advanced Works	100 days	Mon 3/8/20	Tue 10/11/20	Calendar Day	585		100%	Mon 3/8/20	Tue 10/11/20
591	Ground Investigation at Pit R	1 day	Mon 21/12/20	Mon 21/12/20	HK Working Day			100%	Mon 21/12/20	Mon 21/12/20
592	Issue EWN No.. 269 - Unexpected High Rockhead Level Encountered at Working Pit R	0 days	Fri 8/1/21	Fri 8/1/21	HK Working Day			100%	Fri 8/1/21	Fri 8/1/21
593	Receiving of Drawing No. SK40134-517 for Changing Construction Method and Alignment from Pit P to Pit T	0 days	Fri 30/7/21	Fri 30/7/21	HK Working Day			100%	Fri 30/7/21	Fri 30/7/21
594	**Trenchless Works from Pit P to Mau Wu Tsai Abandon Road**	**688 days**	**Tue 24/11/20**	**Wed 22/3/23**	**HK Working Day**		**765**	**54%**	**Tue 24/11/20**	**NA**
595	Issue EWN No. 241 for Tree Issue for Changing Trenchless (Pit S to Pit T) to Open Cut at Control Site (CS-108)	0 days	Tue 24/11/20	Tue 24/11/20	HK Working Day		626	100%	Tue 24/11/20	Tue 24/11/20
596	**TBM Pipe Jacking (Pit P to Pit Y)**	**554 days**	**Wed 12/5/21**	**Wed 22/3/23**	**HK Working Day**			**39%**	**Wed 12/5/21**	**NA**
597	WSD agreed to carry out Horizontal grout from Pit P to Pit Y (45m)	0 days	Wed 12/5/21	Wed 12/5/21	HK Working Day		598	100%	Wed 12/5/21	Wed 12/5/21
598	Mobilization and Carry out Horizontal grouting	43 days	Wed 12/5/21	Sat 3/7/21	HK Working Day	597	600	100%	Wed 12/5/21	Sat 3/7/21
599	Receiving Pit Y	74 days	Fri 25/6/21	Mon 20/9/21	HK Working Day			100%	Fri 25/6/21	Mon 20/9/21
600	Establishment and Set up for pipe jacking at Pit P	93 days	Mon 5/7/21	Sat 23/10/21	HK Working Day	598	601	100%	Mon 5/7/21	Sat 23/10/21
601	Jacking DN1600 Precast Concrete Sleeve Pipe	79 days	Mon 25/10/21	Thu 27/1/22	HK Working Day	600		100%	Mon 25/10/21	Thu 27/1/22
602	Stop Works due to incident at KMB deport	106 days	Thu 27/1/22	Thu 12/5/22	Calendar Day		603FF	100%	Thu 27/1/22	Thu 12/5/22
603	WSD obtained approval from TD, KMD and HyD	0 days	Thu 12/5/22	Thu 12/5/22	Calendar Day	602FF	604	100%	Thu 12/5/22	Thu 12/5/22
604	Constuction of Rescure Pit at KMB Depot and Remove TBM	90 days	Fri 13/5/22	Sat 27/8/22	HK Working Day	603	606,608,609,605	1%	Fri 13/5/22	NA
605	Pipe Laying from Pit P to Rescure Pit at KMB Depot	54 days	Mon 29/8/22	Wed 2/11/22	HK Working Day	604	610	0%	NA	NA
606	Open Cut at KMB Depot Stage 1	72 days	Mon 29/8/22	Wed 23/11/22	HK Working Day	604	607	0%	NA	NA
607	Open Cut at KMB Depot Stage 2	72 days	Thu 24/11/22	Wed 22/2/23	HK Working Day	606		0%	NA	NA
608	Open Cut outside at KMB Depot along Po Hong Road Green Area	72 days	Mon 29/8/22	Wed 23/11/22	HK Working Day	604		0%	NA	NA
609	Open Cut Across Po Hong Road (Lane by Lane, 42 W.D. per lanes; 4 Stage)	168 days	Mon 29/8/22	Wed 22/3/23	HK Working Day	604		0%	NA	NA
610	Pipe Connection inside Working Pit P	18 days	Mon 28/11/22	Sat 17/12/22	HK Working Day	605,511	611	0%	NA	NA
611	Construction of Combined chamber at Pit P	48 days	Mon 19/12/22	Sat 18/2/23	HK Working Day	610	612	0%	NA	NA
612	Remove ELS including extracting sheet piles at Pit P; Reinstatement	18 days	Mon 20/2/23	Sat 11/3/23	HK Working Day	611		0%	NA	NA
613	**Hand Shield Pipe Jacking from Pit R to Pit Y**	**300 days**	**Fri 18/12/20**	**Wed 22/12/21**	**HK Working Day**			**100%**	**Fri 18/12/20**	**Wed 22/12/21**
614	Issue CE No. 94 - Site Clearance of Affected Trees and Plants for Mainlaying works near Po Hong Road and Ling Hong Road	0 days	Fri 18/12/20	Fri 18/12/20	Calendar Day		416	100%	Fri 18/12/20	Fri 18/12/20
615	Jacking / Receiving Pit R	25 days	Fri 16/7/21	Fri 13/8/21	HK Working Day		616	100%	Fri 16/7/21	Fri 13/8/21
616	Establishment at Pit R	10 days	Sat 14/8/21	Wed 25/8/21	HK Working Day	615	617	100%	Sat 14/8/21	Wed 25/8/21
617	Mild Steel Sleeve Pipe in Mix of Soil (26m)(0.8m/day)	35 days	Thu 26/8/21	Thu 7/10/21	HK Working Day	616	618	100%	Thu 26/8/21	Thu 7/10/21
618	Remove Setup at Pit R	13 days	Fri 8/10/21	Sat 23/10/21	HK Working Day	617	619	100%	Fri 8/10/21	Sat 23/10/21
619	Setup for Pipe Laying inside Jacking Pit R	12 days	Mon 25/10/21	Sat 6/11/21	HK Working Day	618	620	100%	Mon 25/10/21	Sat 6/11/21
620	DN1200 MS Pipe Laying inside Jacking Pipe (3 days per 4m)(Only Internal Coating)	13 days	Fri 5/11/21	Fri 19/11/21	HK Working Day	619	621	100%	Fri 5/11/21	Fri 19/11/21
621	Formwork & Setup for Grouting the gap between pipe and Sleeve	2 days	Sat 20/11/21	Mon 22/11/21	HK Working Day	620	622	100%	Sat 20/11/21	Mon 22/11/21
622	Grouting Works	9 days	Mon 13/12/21	Wed 22/12/21	HK Working Day	621	624	100%	Mon 13/12/21	Wed 22/12/21
623	**Open Cut Excavation from Pit R to Mau Wu Tsai Abandon Road**	**239 days**	**Mon 10/5/21**	**Fri 25/2/22**	**HK Working Day**		**767**	**100%**	**Mon 10/5/21**	**Fri 25/2/22**
624	Open Cut, CH.HA0+28 - CH.HA0+48 with DAV Chamber (Connecting to Pit R)	49 days	Fri 24/12/21	Fri 25/2/22	HK Working Day	622,627	625	100%	Fri 24/12/21	Fri 25/2/22
625	Construction of DN900 Valve Chamber with by-pass at CH.HA0+44	36 days	Fri 24/12/21	Thu 10/2/22	HK Working Day	624		100%	Fri 24/12/21	Thu 10/2/22
626	Open Cut, CH.HA0+48 - CH.HA 1+20 OC with DN600 IT Chamber (Connecting Original CH.HA0+80)	75 days	Mon 10/5/21	Sun 8/8/21	HK Working Day	635,595	627	100%	Mon 10/5/21	Sun 8/8/21
627	Construction of Wash Out Chamber & Reserved Tee at CH.HA0+49	36 days	Mon 23/8/21	Tue 5/10/21	HK Working Day	626	624	100%	Mon 23/8/21	Tue 5/10/21
628	**Open Trench Pipe laying at Abandoned Road**	**451 days**	**Tue 22/9/20**	**Thu 31/3/22**	**HK Working Day**		**767**	**91%**	**Tue 22/9/20**	**NA**
629	Issue CE No. 121 - Non-explosive agent in Abandoned Road Near Mau Wu Tsai Village	0 days	Fri 25/6/21	Fri 25/6/21	HK Working Day			100%	Fri 25/6/21	Fri 25/6/21
630	Issue CE No. 70 - Landscaping Survey near Mau Wu Tsai Village	0 days	Tue 22/9/20	Tue 22/9/20	HK Working Day			100%	Tue 22/9/20	Tue 22/9/20
631	Issue CE No. 86 - Tree Affected in Mainlaying Works near Mau Wu Tsai Village	0 days	Mon 12/10/20	Mon 12/10/20	HK Working Day		632	100%	Mon 12/10/20	Mon 12/10/20

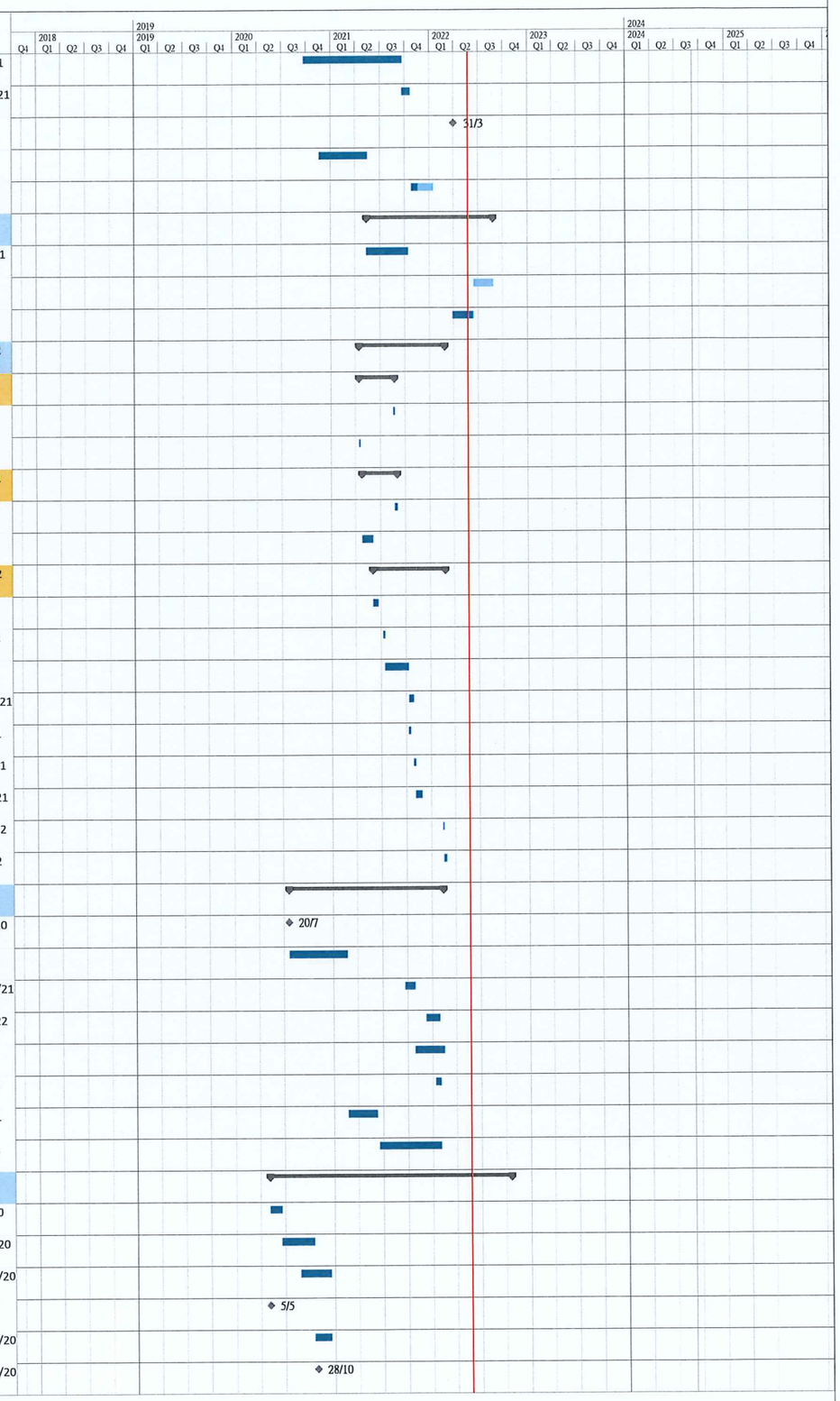


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
632	Tree survey, TPRP Submission and Receiving TPRP approval	295 days	Tue 22/9/20	Mon 20/9/21	HK Working Day	631	661,633	100%	Tue 22/9/20	Mon 20/9/21
633	Mobilization and Tree Removal	23 days	Tue 21/9/21	Wed 20/10/21	HK Working Day	632	663,636	100%	Tue 21/9/21	Wed 20/10/21
634	Issue CE No. XXX - Change Trenchless (Pit U - Pit V) to Open Cut and Revised the Alignment	0 days	Thu 31/3/22	Thu 31/3/22	HK Working Day			0%	NA	NA
635	Open Cut, CH.HA0+80 - CH.HA3+17	141 days	Thu 19/11/20	Fri 14/5/21	HK Working Day		626	100%	Thu 19/11/20	Fri 14/5/21
636	Open Cut, CH.HA3+17 - CH.HA3+79	66 days	Tue 26/10/21	Thu 13/1/22	HK Working Day	633		30%	Tue 26/10/21	NA
637	**Open Trench Pipe Laying at Po Lam Road South (Mau Wu Tsai Village)**	**382 days**	**Wed 12/5/21**	**Tue 23/8/22**	**HK Working Day**			**74%**	**Wed 12/5/21**	**NA**
638	Open Cut, CH.HA3+79 - CH.HA4+68 with SACP	127 days	Wed 12/5/21	Tue 12/10/21	HK Working Day		639	100%	Wed 12/5/21	Tue 12/10/21
639	Open Cut, CH.HA4+68 - CH.HA5+21	60 days	Tue 14/6/22	Tue 23/8/22	HK Working Day	638,640		0%	NA	NA
640	Open Cut, CH.HA5+21 - CH.HA5+55 (Pit W)	60 days	Mon 28/3/22	Mon 13/6/22	HK Working Day		639	95%	Mon 28/3/22	NA
641	**Trenchless Work at Po Lam Road South**	**259 days**	**Wed 14/4/21**	**Thu 24/2/22**	**HK Working Day**			**100%**	**Wed 14/4/21**	**Thu 24/2/22**
642	**Inspection Pit Excavation**	**108 days**	**Wed 14/4/21**	**Sat 21/8/21**	**HK Working Day**			**100%**	**Wed 14/4/21**	**Sat 21/8/21**
643	Inspection Pit Excavation at Pit W	4 days	Wed 18/8/21	Sat 21/8/21	HK Working Day		646	100%	Wed 18/8/21	Sat 21/8/21
644	Inspection Pit Excavation at Pit X	3 days	Wed 14/4/21	Fri 16/4/21	HK Working Day		647	100%	Wed 14/4/21	Fri 16/4/21
645	**Construction of Jacking / Receiving Pits**	**107 days**	**Sat 24/4/21**	**Tue 31/8/21**	**HK Working Day**			**100%**	**Sat 24/4/21**	**Tue 31/8/21**
646	Receiving Pit W	8 days	Mon 23/8/21	Tue 31/8/21	HK Working Day	643		100%	Mon 23/8/21	Tue 31/8/21
647	Jacking Pit X	31 days	Sat 24/4/21	Tue 1/6/21	HK Working Day	644	649	100%	Sat 24/4/21	Tue 1/6/21
648	**Hand Shield Pipe Jacking from Pit W to Pit X (~85m)**	**219 days**	**Wed 2/6/21**	**Thu 24/2/22**	**HK Working Day**			**100%**	**Wed 2/6/21**	**Thu 24/2/22**
649	Establishment at Pit X	15 days	Wed 2/6/21	Sat 19/6/21	HK Working Day	647	650	100%	Wed 2/6/21	Sat 19/6/21
650	Form Entrance Opening at pit X	5 days	Thu 8/7/21	Tue 13/7/21	HK Working Day	649	651	100%	Thu 8/7/21	Tue 13/7/21
651	Mild Steel Sleeve Pipe in Mix of Soil (46m) (0.6m / day)	73 days	Wed 14/7/21	Fri 8/10/21	HK Working Day	650	652,653	100%	Wed 14/7/21	Fri 8/10/21
652	Rearrangement Wailing and Form Exit Opening at Pit W	14 days	Mon 11/10/21	Wed 27/10/21	HK Working Day	651	654	100%	Mon 11/10/21	Wed 27/10/21
653	Remove Setup it Pi X	5 days	Sat 9/10/21	Fri 15/10/21	HK Working Day	651	654	100%	Sat 9/10/21	Fri 15/10/21
654	Setup for Pipe Laying inside Jacking Pit X	6 days	Thu 28/10/21	Wed 3/11/21	HK Working Day	653,652	655	100%	Thu 28/10/21	Wed 3/11/21
655	DN900 MS Pipe Laying inside Jacking Pipe (3 days per 4m)(Only Internal)	19 days	Thu 4/11/21	Thu 25/11/21	HK Working Day	654	656	100%	Thu 4/11/21	Thu 25/11/21
656	Formwork & Setup for Grouting the gap between pipe and Sleeve	2 days	Sat 12/2/22	Mon 14/2/22	HK Working Day	655	657	100%	Sat 12/2/22	Mon 14/2/22
657	Grouting Works (30m per day)	9 days	Tue 15/2/22	Thu 24/2/22	HK Working Day	656		100%	Tue 15/2/22	Thu 24/2/22
658	**Open Trench Pipe Laying at Po Lam Road (West Bound)**	**465 days**	**Mon 20/7/20**	**Fri 11/2/22**	**HK Working Day**		**767,768**	**100%**	**Mon 20/7/20**	**Fri 11/2/22**
659	Issue CE No. 68 - TIA for TTA at Po Lam Road	0 days	Mon 20/7/20	Mon 20/7/20	HK Working Day		660	100%	Mon 20/7/20	Mon 20/7/20
660	Traffic Survey and Revise TIA, revised TTA Drawings, Obtain RA	177 days	Mon 20/7/20	Sat 20/2/21	HK Working Day	659	665	100%	Mon 20/7/20	Sat 20/2/21
661	Mobilization and Tree Removal	29 days	Tue 21/9/21	Wed 27/10/21	HK Working Day	632	663,664,662	100%	Tue 21/9/21	Wed 27/10/21
662	Construction of DAV Chamber at Pit X	41 days	Tue 7/12/21	Wed 26/1/22	HK Working Day	661		100%	Tue 7/12/21	Wed 26/1/22
663	Open Cut, fromt Pit X, CH.HA6+00 - CH.HA6+54	86 days	Thu 28/10/21	Fri 11/2/22	HK Working Day	661,665,633		100%	Thu 28/10/21	Fri 11/2/22
664	Construction of DN900 Valve Chamber and By Pass Pipes	17 days	Tue 11/1/22	Sat 29/1/22	HK Working Day	661		100%	Tue 11/1/22	Sat 29/1/22
665	Open Cut, CH.HA6+54 to CH.HA7+24 (Portion SKR) with SACP	85 days	Mon 22/2/21	Mon 7/6/21	HK Working Day	660	666,663	100%	Mon 22/2/21	Mon 7/6/21
666	Open Cut, CH.HA7+24 - CH.HA7+61/CH.HB0+00 Excavation in Rock	189 days	Wed 16/6/21	Sat 29/1/22	HK Working Day	665		100%	Wed 16/6/21	Sat 29/1/22
667	**Water Main Structure and Associated Pipe Support across the Natural Stream Course (Location A) (CH.HB0+00 ~ CH.HB0+ CE)**	**730 days**	**Tue 5/5/20**	**Tue 18/10/22**	**HK Working Day**		**768**	**93%**	**Tue 5/5/20**	**NA**
668	Design Submission (CE No. 55) for Water Main Structure and Associated Pipe Support across the Natural Stream Course	37 days	Tue 5/5/20	Tue 16/6/20	HK Working Day		669	100%	Tue 5/5/20	Tue 16/6/20
669	WSD & GEO Review and Approve	121 days	Wed 17/6/20	Thu 15/10/20	Calendar Day	668	672	100%	Wed 17/6/20	Thu 15/10/20
670	Tendering Process, Tender Award for CE No. 51 (Location A Mini-pile Works)	113 days	Wed 26/8/20	Wed 16/12/20	Calendar Day			100%	Wed 26/8/20	Wed 16/12/20
671	Issue CE No. 55 - Design of the Water Mains Structure and Associated Pipe Support across the Natural Stream Course for Alternative Alignment in Tsui Lam	0 days	Tue 5/5/20	Tue 5/5/20	Calendar Day			100%	Tue 5/5/20	Tue 5/5/20
672	Tender and Subletting (Mini-Pile)	62 days	Fri 16/10/20	Wed 16/12/20	Calendar Day	669		100%	Fri 16/10/20	Wed 16/12/20
673	Issue CE No. 85 - Affected Trees across the Natural Stream Course at Tsui Lam (Location A)	0 days	Wed 28/10/20	Wed 28/10/20	Calendar Day			100%	Wed 28/10/20	Wed 28/10/20

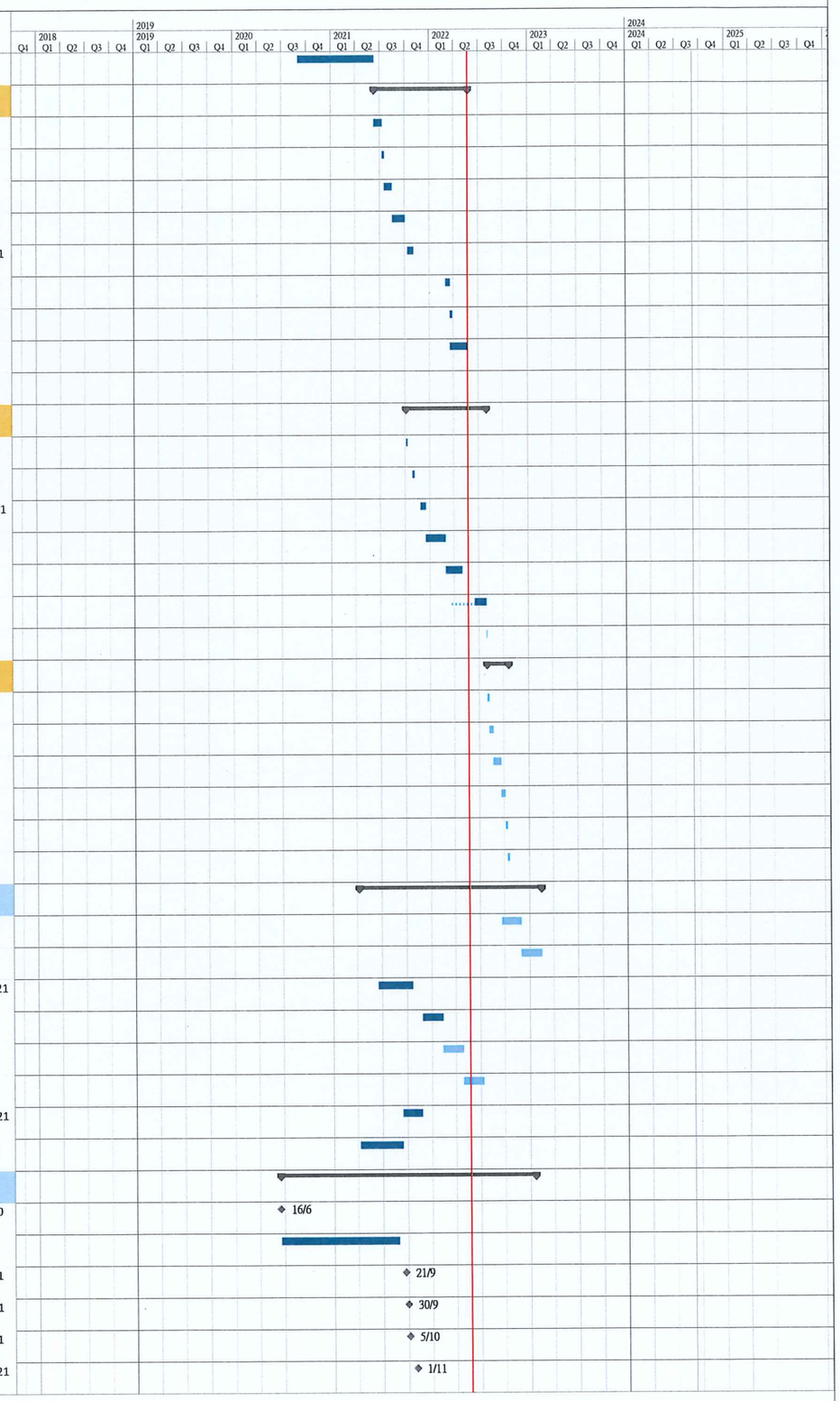


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
674	Tree survey, TPRP Submission and Receiving TPRP approval (HyD)	227 days	Mon 31/8/20	Tue 8/6/21	HK Working Day		676	100%	Mon 31/8/20	Tue 8/6/21
675	**East Portion - Foundation Works (PC-C1, PC-T1 & PC-P1)**	**283 days**	**Wed 9/6/21**	**Tue 24/5/22**	**HK Working Day**			**99%**	**Wed 9/6/21**	**NA**
676	Mobilization and Tree Removal	24 days	Wed 9/6/21	Thu 8/7/21	HK Working Day	674	677	100%	Wed 9/6/21	Thu 8/7/21
677	Erect Temporary Timber Platform for Piling Works	7 days	Fri 9/7/21	Fri 16/7/21	HK Working Day	676	678	100%	Fri 9/7/21	Fri 16/7/21
678	Pre-drilling works (PD6, PD7 & PD8) & confirmation of rock head and depth of mini-pile	25 days	Sat 17/7/21	Sat 14/8/21	HK Working Day	677	679,686	100%	Sat 17/7/21	Sat 14/8/21
679	Mobilization and Driving Dia. 323mm steel Casting (14 nos)	39 days	Mon 16/8/21	Thu 30/9/21	HK Working Day	678	680	100%	Mon 16/8/21	Thu 30/9/21
680	Cleaning, Insert T50 reinforcement and Grouting	18 days	Mon 11/10/21	Mon 1/11/21	HK Working Day	679	681,684	100%	Mon 11/10/21	Mon 1/11/21
681	Setup and Loading Test of Mini-Pile (T-1)	15 days	Tue 1/3/22	Thu 17/3/22	HK Working Day	680	683,682	100%	Tue 1/3/22	Thu 17/3/22
682	Setup and Loading Test of Mini-Pile (C1-2)	8 days	Fri 18/3/22	Sat 26/3/22	HK Working Day	681		100%	Fri 18/3/22	Sat 26/3/22
683	Construction Pile Caps (P1) with Pier 1	50 days	Fri 18/3/22	Sat 21/5/22	HK Working Day	681	684	100%	Fri 18/3/22	Sat 21/5/22
684	Remove Timber platform for Piling Works	2 days	Mon 23/5/22	Tue 24/5/22	HK Working Day	683,680	694	0%	Mon 23/5/22	NA
685	**West Portion - Foundation Works (PC-P2, PC-P3 & PC-C2)**	**241 days**	**Tue 5/10/21**	**Fri 29/7/22**	**HK Working Day**			**98%**	**Tue 5/10/21**	**NA**
686	Mobilization and Tree Removal	3 days	Tue 5/10/21	Thu 7/10/21	HK Working Day	678	687	100%	Tue 5/10/21	Thu 7/10/21
687	Erect Temporary Timber Platform for Piling Works	5 days	Thu 28/10/21	Tue 2/11/21	HK Working Day	686	688	100%	Thu 28/10/21	Tue 2/11/21
688	Pre-drilling works (P WPR, PSKR, PD3, PD4 & PD5) & confirmation of rock head and depth of mini-pile	16 days	Fri 26/11/21	Tue 14/12/21	HK Working Day	687,703,707	689	100%	Fri 26/11/21	Tue 14/12/21
689	Driving Dia. 323mm steel Casting (26 nos)	58 days	Wed 15/12/21	Sat 26/2/22	HK Working Day	688	690	100%	Wed 15/12/21	Sat 26/2/22
690	Cleaning, Insert T50 reinforcement and Grouting	50 days	Sat 26/2/22	Fri 29/4/22	HK Working Day	689	692,691	100%	Sat 26/2/22	Fri 29/4/22
691	Construction Pile Caps with Pier 2	36 days	Mon 21/3/22	Wed 27/7/22	HK Working Day	690	692	95%	Mon 21/3/22	NA
692	Remove Timber platform for Piling Works	2 days	Thu 28/7/22	Fri 29/7/22	HK Working Day	690,691	694	0%	NA	NA
693	**Pipelaying on Mini-pile Foundation**	**66 days**	**Sat 30/7/22**	**Tue 18/10/22**	**HK Working Day**			**0%**	**NA**	**NA**
694	Temporary Working Platform for Pipe Installation	6 days	Sat 30/7/22	Fri 5/8/22	HK Working Day	684,692	695	0%	NA	NA
695	Cut Temporary casting and Bend the T50 to designated position	12 days	Sat 6/8/22	Fri 19/8/22	HK Working Day	694	696	0%	NA	NA
696	Pipe Installation / Welding / Testing / Painting	24 days	Sat 20/8/22	Sat 17/9/22	HK Working Day	695	697,701	0%	NA	NA
697	Concrete Hunching	12 days	Mon 19/9/22	Mon 3/10/22	HK Working Day	696	698	0%	NA	NA
698	Apply top coating of aliphatic polyurethane on site	6 days	Wed 5/10/22	Tue 11/10/22	HK Working Day	697	699	0%	NA	NA
699	Remove Temporary Working Platform	6 days	Wed 12/10/22	Tue 18/10/22	HK Working Day	698	702	0%	NA	NA
700	**Open Trench Pipe Laying at Po Lam Road (East Bound)**	**551 days**	**Thu 8/4/21**	**Tue 14/2/23**	**HK Working Day**		**768**	**60%**	**Thu 8/4/21**	**NA**
701	Open Cut, CH.HC0+00 - CH.HC0+08; Connecting to CH.HB	60 days	Mon 19/9/22	Tue 29/11/22	HK Working Day	696,706	702	0%	NA	NA
702	Open Cut, CH.HC0+08 - CH.HC0+12	60 days	Wed 30/11/22	Tue 14/2/23	HK Working Day	699,701		0%	NA	NA
703	Open Cut, CH.HC0+12 - CH.HC0+97 with SACP	104 days	Wed 16/6/21	Tue 19/10/21	HK Working Day		704,688	100%	Wed 16/6/21	Tue 19/10/21
704	Open Cut, CH.HC0+97 - CH.HC1+56(Portion B4) with SACP	62 days	Wed 24/11/21	Thu 10/2/22	HK Working Day	703,707	705	99%	Wed 24/11/21	NA
705	Open Cut, CH.HC1+56 - CH.HC2+04	60 days	Fri 11/2/22	Tue 26/4/22	HK Working Day	704	706	0%	NA	NA
706	Open Cut, CH.HC2+04 - CH.HC2+70 with SACP	60 days	Wed 27/4/22	Sat 9/7/22	HK Working Day	705	701	0%	NA	NA
707	Open Cut, CH.HC2+70 - CH.HC3+22 with SACP	58 days	Tue 14/9/21	Tue 23/11/21	HK Working Day	708	704,688	100%	Tue 14/9/21	Tue 23/11/21
708	Open Cut, CH.HC3+22 - CH.HC3+70 /CH.HD0+00	131 days	Thu 8/4/21	Sat 11/9/21	HK Working Day		707	100%	Thu 8/4/21	Sat 11/9/21
709	**Water Main Structure and Associated Pipe Support from Po Lam Road to Tsui Lam Road (Location B)(CH.HD0+00 ~ CH.H WPR+01)**	**771 days**	**Tue 16/6/20**	**Thu 19/1/23**	**HK Working Day**		**768**	**82%**	**Tue 16/6/20**	**NA**
710	Issue CE No. 62 - Design of Pipe Support in Tsui Lam (Location B)	0 days	Tue 16/6/20	Tue 16/6/20	Calendar Day		711	100%	Tue 16/6/20	Tue 16/6/20
711	Design Submission (CE No. 62) for Water Main Structure and Associated at Tsui Lam	356 days	Wed 17/6/20	Fri 27/8/21	HK Working Day	710	712	100%	Wed 17/6/20	Fri 27/8/21
712	WSD & GEO Approval	0 days	Tue 21/9/21	Tue 21/9/21	Calendar Day	711	716	100%	Tue 21/9/21	Tue 21/9/21
713	TTA Drawing approval for Tsui Lam Road	0 days	Thu 30/9/21	Thu 30/9/21	HK Working Day		719	100%	Thu 30/9/21	Thu 30/9/21
714	LCSD's Consent	0 days	Tue 5/10/21	Tue 5/10/21	HK Working Day		715FS+18 days	100%	Tue 5/10/21	Tue 5/10/21
715	Approval of Excavation Permit for Tsui Lam Road	0 days	Mon 1/11/21	Mon 1/11/21	HK Working Day	714FS+18 days		100%	Mon 1/11/21	Mon 1/11/21

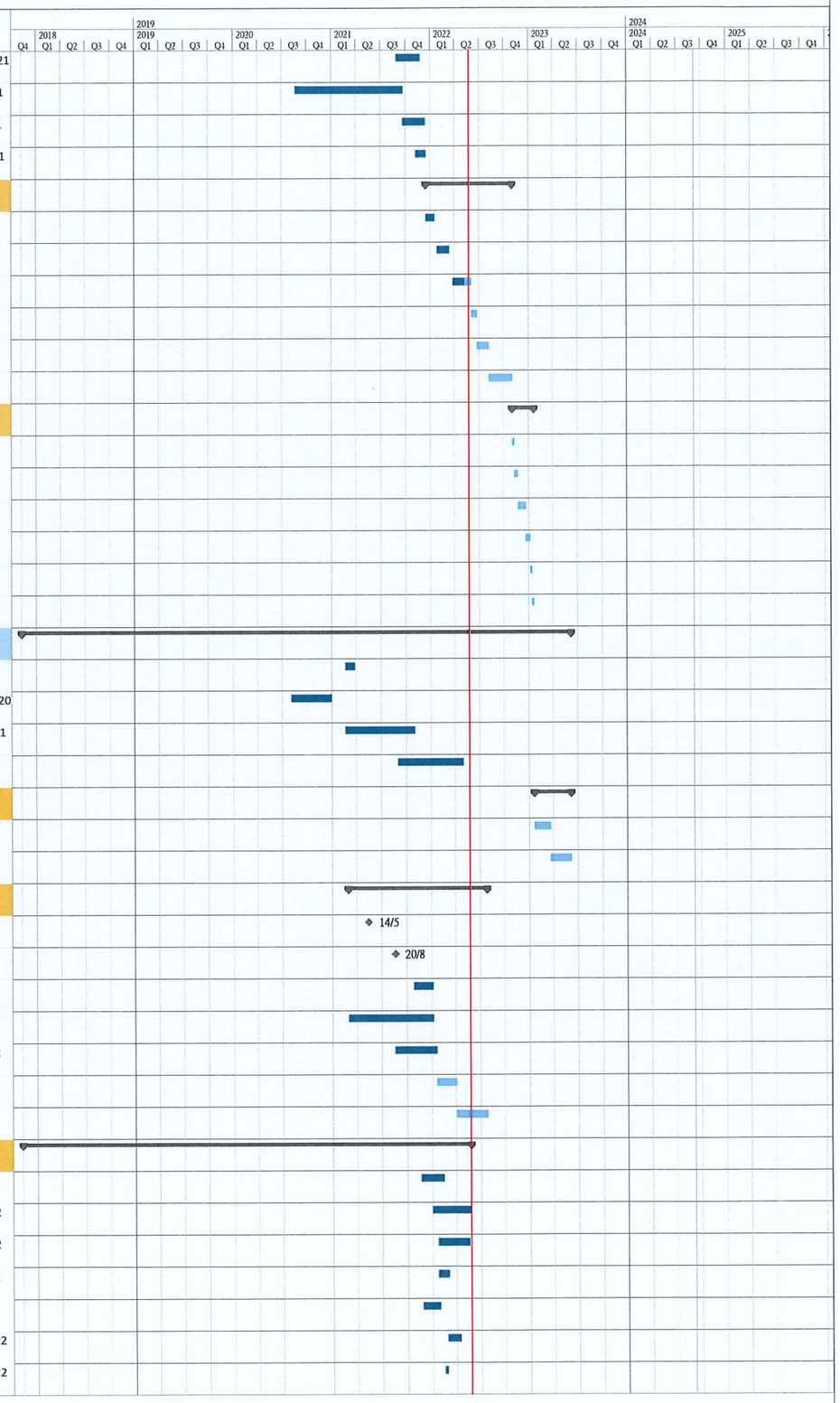


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
716	Tender and sublett Mini-pile works at Location B to current Sub-contractor	73 days	Fri 27/8/21	Mon 22/11/21	HK Working Day	712	721	100%	Fri 27/8/21	Mon 22/11/21
717	Tree survey, TPRP Submission and Receiving TPRP approval (HyD)	322 days	Fri 21/8/20	Mon 20/9/21	HK Working Day		718	100%	Fri 21/8/20	Mon 20/9/21
718	Mobilization, Tree Removal Works & Site Clearance	69 days	Mon 20/9/21	Sat 11/12/21	HK Working Day	717	719	100%	Mon 20/9/21	Sat 11/12/21
719	Obtain RA for TTA implement	38 days	Sun 7/11/21	Tue 14/12/21	Calendar Day	713,718	721	100%	Sun 7/11/21	Tue 14/12/21
720	**Mini-pile Foundation Works**	**258 days**	**Wed 15/12/21**	**Mon 31/10/22**	**HK Working Day**			**39%**	**Wed 15/12/21**	**NA**
721	Erect Temporary Timber Platform for Piling Works	25 days	Wed 15/12/21	Sat 15/1/22	HK Working Day	719,716	722	100%	Wed 15/12/21	Sat 15/1/22
722	Pre-drilling works & confirmation of rock head and depth of mini-pile	36 days	Wed 26/1/22	Fri 11/3/22	HK Working Day	721	723	100%	Wed 26/1/22	Fri 11/3/22
723	Mobilization and Driving Dia. 273mm steel Casting (18 nos)	51 days	Sat 26/3/22	Tue 31/5/22	HK Working Day	722	724	61%	Sat 26/3/22	NA
724	Cleaning, Insert T50 reinforcement and Grouting	18 days	Wed 1/6/22	Wed 22/6/22	HK Working Day	723	725	0%	NA	NA
725	Setup and Loading Test of Mini-Pile	36 days	Thu 23/6/22	Thu 4/8/22	HK Working Day	724	726	0%	NA	NA
726	Construction Pile Caps (PC-C, PC-P1, PC-P2, PC-P3 & PC-T) and Piers (P1, P2 & P3)	72 days	Fri 5/8/22	Mon 31/10/22	HK Working Day	725	728	0%	NA	NA
727	**Pipelaying on Mini-pile Foundation**	**66 days**	**Tue 1/11/22**	**Thu 19/1/23**	**HK Working Day**			**0%**	**NA**	**NA**
728	Temporary Working Platform for Pipe Installation	6 days	Tue 1/11/22	Mon 7/11/22	HK Working Day	726	729	0%	NA	NA
729	Cut Temporary casting and Bend the T50 to designated position	12 days	Tue 8/11/22	Mon 21/11/22	HK Working Day	728	730	0%	NA	NA
730	Pipe Installation / Welding / Testing / Painting (~115m)	24 days	Tue 22/11/22	Mon 19/12/22	HK Working Day	737,729	731	0%	NA	NA
731	Concrete Hunching	12 days	Tue 20/12/22	Thu 5/1/23	HK Working Day	730	732	0%	NA	NA
732	Apply top coating of aliphatic polyurethane on site	6 days	Fri 6/1/23	Thu 12/1/23	HK Working Day	731	733	0%	NA	NA
733	Remove Temporary Working Platform	6 days	Fri 13/1/23	Thu 19/1/23	HK Working Day	732	740	0%	NA	NA
734	**From Tsui Lam Road to TKO Freshwater PSR (CH.HE.0+00 ~ CH.HE2+11) & (CH.HF0+00 CH.HF3+11)**	**1649 days**	**Tue 7/11/17**	**Mon 5/6/23**	**HK Working Day**		**768**	**81%**	**Tue 7/11/17**	**NA**
735	Batch No 3 - Temporary Works Design and Preliminary Works	30 days	Fri 19/2/21	Thu 25/3/21	HK Working Day	589		100%	Fri 19/2/21	Thu 25/3/21
736	TTA preparation, SLG meetings, obtain RA	150 days	Mon 3/8/20	Wed 30/12/20	Calendar Day	585		100%	Mon 3/8/20	Wed 30/12/20
737	Material procurement (DN800 MS PIPE) (360m)	255 days	Fri 19/2/21	Sun 31/10/21	Calendar Day	589	730,751,755,753	100%	Fri 19/2/21	Sun 31/10/21
738	Material procurement (Butterfly Valves)	244 days	Mon 30/8/21	Sat 30/4/22	Calendar Day			100%	Mon 30/8/21	Sat 30/4/22
739	**Water Mains CH.HE0+00 - CH.HE0+27)**	**108 days**	**Fri 20/1/23**	**Mon 5/6/23**	**HK Working Day**			**0%**	**NA**	**NA**
740	Open Cut across Tsui Lam Road (CH.HE0+00 to 0+06)	48 days	Fri 20/1/23	Mon 20/3/23	HK Working Day	733	741	0%	NA	NA
741	Open Cut across Tsui Lam Road (CH.HE0+06 to 0+20)	60 days	Tue 21/3/23	Mon 5/6/23	HK Working Day	740		0%	NA	NA
742	**Water Mains CH.HE0+27 - CH.HE2+11**	**414 days**	**Mon 1/3/21**	**Mon 25/7/22**	**HK Working Day**		**769**	**75%**	**Mon 1/3/21**	**NA**
743	Issue CE No. 114 - Non-explosive agent near TKO Freshwater Preliminary Service Reservoir	0 days	Fri 14/5/21	Fri 14/5/21	HK Working Day			100%	Fri 14/5/21	Fri 14/5/21
744	Receiving of Drawing No. SK40134/525 for Proposed Alternative Alignment at TKOFWSR	0 days	Fri 20/8/21	Fri 20/8/21	HK Working Day			100%	Fri 20/8/21	Fri 20/8/21
745	Open Cut, CH.HE0+20 -CH.HE0+27 (Excavation in Rock)	59 days	Mon 25/10/21	Tue 4/1/22	HK Working Day			100%	Mon 25/10/21	Tue 4/1/22
746	Open Cut, CH.HE0+27 -CH.HE1+98(Excavation in Rock)	254 days	Mon 1/3/21	Thu 6/1/22	HK Working Day			100%	Mon 1/3/21	Thu 6/1/22
747	Construction of Combined EMF and MBV Chamber at CH.HE1+90	128 days	Mon 16/8/21	Tue 18/1/22	HK Working Day		748	100%	Mon 16/8/21	Tue 18/1/22
748	Open Cut CH.1+98 & connecting to the existing DN800 F.W. Main at CH.HE2+11	60 days	Wed 19/1/22	Fri 1/4/22	HK Working Day	747	749	0%	NA	NA
749	Construction of flowmeter kiosks and GI cable ducts for Combined EMF and MBV Chamber at CH.HE1+90	90 days	Sat 2/4/22	Mon 25/7/22	HK Working Day	748		0%	NA	NA
750	**Water Mains CH.HF0+00 - CH.HF3+10 (Inlet A)**	**1343 days**	**Tue 7/11/17**	**Tue 24/5/22**	**HK Working Day**		**770**	**82%**	**Tue 7/11/17**	**NA**
751	Open Cut CH.HF0+00 - CH.HF0+19	67 days	Sat 20/11/21	Sat 12/2/22	HK Working Day	737		100%	Sat 20/11/21	Sat 12/2/22
752	Open Cut CH.HF0+19 - CH.HF1+30	114 days	Fri 31/12/21	Tue 24/5/22	HK Working Day			100%	Fri 31/12/21	Tue 24/5/22
753	Construction of Combined EMF and MBV Chamber at CH.HF1+30	90 days	Sat 22/1/22	Tue 17/5/22	HK Working Day	737		100%	Sat 22/1/22	Tue 17/5/22
754	Open Cut CH.HF1+30 - CH.HF1+36	31 days	Sat 22/1/22	Wed 2/3/22	HK Working Day			100%	Sat 22/1/22	Wed 2/3/22
755	Exposed Pipe CH.HF1+36 - CH.HF2+85	53 days	Thu 25/11/21	Fri 28/1/22	HK Working Day	737	757	100%	Thu 25/11/21	Fri 28/1/22
756	Exposed Pipe to the side wall of TKOFWSR	41 days	Thu 24/2/22	Wed 13/4/22	HK Working Day	757		100%	Thu 24/2/22	Wed 13/4/22
757	Form Opening and Cast-in short pipe at TKOFWSR	9 days	Mon 14/2/22	Wed 23/2/22	HK Working Day	755	756	100%	Mon 14/2/22	Wed 23/2/22

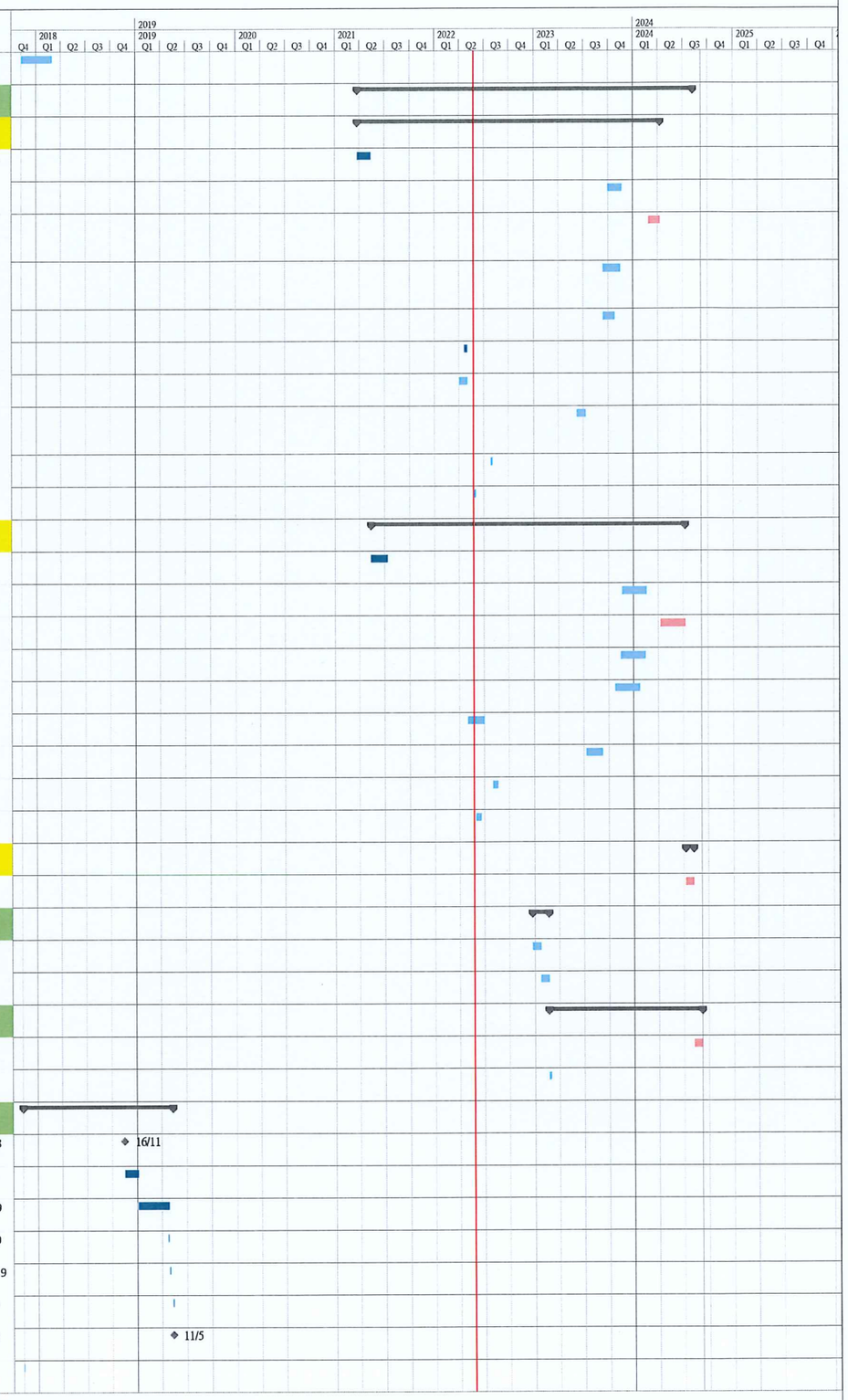


Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress

Project: Mainlaying in Tseung Kwan O

ID	Task Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors	% Complete	Actual Start	Actual Finish
758	Construction of flowmeter kiosks and GI cable ducts for Combined EMF and MBV Chamber at CH.HF1+30	90 days	Tue 7/11/17	Mon 26/2/18	HK Working Day			0%	NA	NA
759	DN800 - CH.ADN1200 MS Pipe Static Pressure Test, Pipeline Cleaning, CCTV Inspection, Sterilization and Water Sampling	1232 days	Wed 24/3/21	Tue 6/8/24	Calendar Day			13%	Wed 24/3/21	NA
760	Static Pressure Test	1112 days	Wed 24/3/21	Mon 8/4/24	Calendar Day			18%	Wed 24/3/21	NA
761	DN1200 MS Pipe - Static Pressure Test From DN900 Valve Chamber at CH.CA4+24 to CH.CT.2+65 (Approx. 0.7km)	49 days	Wed 24/3/21	Tue 11/5/21	Calendar Day	105	772	100%	Wed 24/3/21	Tue 11/5/21
762	DN1200 MS Pipe - Static Pressure Test From DN900 Valve Chamber at CH.CA4+24 to DN900 Valve Chamber at Wan Po Road (CH.A12+50) (Approx. 1.7km)	51 days	Fri 29/9/23	Sat 18/11/23	Calendar Day	121,167,184,213,224	773	0%	NA	NA
763	DN1200 MS Pipe - Static Pressure Test From DN900 Valve Chamber at Wan Po Road (CH.A12+50) to DN900 Valve Chamber at TKO Landfill Stage I Area A (CH.FB1+66) (Approx. 1.4km)	42 days	Tue 27/2/24	Mon 8/4/24	Calendar Day	224,251,306	774	0%	NA	NA
764	DN1200 MS Pipe - Static Pressure Test From DN900 Valve Chamber at TKO Landfill Stage I Area A (CH.FB1+66) to DN900 Valve Chamber at CH.FD3+43 (approx. 2.1km)	63 days	Tue 12/9/23	Mon 13/11/23	Calendar Day	372,434	775	0%	NA	NA
765	DN1200 MS Pipe - Static Pressure Test From DN900 Valve Chamber at CH.FD 3+43 to DN900 Valve Chamber at Mau Wu Tsai (CH.HA0+44) (approx. 1.4km)	42 days	Tue 12/9/23	Mon 23/10/23	Calendar Day	436,479,517,594,434	776	0%	NA	NA
766	DN1200 MS Pipe - Static Pressure Test From Pit Y (CH>GSKR.20 to CH.HA3+70)	11 days	Tue 19/4/22	Fri 29/4/22	Calendar Day			100%	Tue 19/4/22	Fri 29/4/22
767	DN1200 MS Pipe - Static Pressure Test From DN900 Valve Chamber at Mau Wu Tsai (CH.HA0+44) to DN900 Valve at Mau Wu Tsai (CH.HA6+45) (approx. 0.7km)	30 days	Fri 1/4/22	Sat 30/4/22	Calendar Day	628,623,658	777	0%	NA	NA
768	DN1200 MS Pipe - Static Pressure Test From DN900 Valve at Mau Wu Tsai (CH.HA6+45) to DN800 EMF & BV Chamber at TKO F.W.S.R.(CH.HE1+90) & (CH.HF1+30) (Approx. 1.1km)	33 days	Tue 6/6/23	Sat 8/7/23	Calendar Day	658,667,700,709,734	778	0%	NA	NA
769	DN800 MS Pipe - Static Pressure Test From DN800 EMF & BV Chamber at TKO F.W.S.R.(CH.HE1+90) to CH.HE2+11 (approx. 20m)	6 days	Tue 26/7/22	Sun 31/7/22	Calendar Day	742	779	0%	NA	NA
770	DN800 MS Pipe - Static Pressure Test From DN800 EMF & BV Chamber at TKO F.W.S.R.(CH.HF1+30) to CH.HF3+10 (Approc. 80m)	6 days	Wed 25/5/22	Mon 30/5/22	Calendar Day	750	780	0%	NA	NA
771	Pipeline Cleaning and CCTV Inspection	1153 days	Wed 12/5/21	Sun 7/7/24	Calendar Day			10%	Wed 12/5/21	NA
772	DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN900 Valve Chamber at CH.CA4+24 to CH.CT.2+65	60 days	Wed 12/5/21	Sat 10/7/21	Calendar Day	761	782	100%	Wed 12/5/21	Sat 10/7/21
773	DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN900 Valve Chamber at CH.CA4+24 to DN900 Valve Chamber at Wan Po Road (CH.A12+50)	90 days	Sun 19/11/23	Fri 16/2/24	Calendar Day	762	782	0%	NA	NA
774	DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN900 Valve Chamber at Wan Po Road (CH.A12+50) to DN900 Valve Chamber at TKO Landfill Stage I Area A	90 days	Tue 9/4/24	Sun 7/7/24	Calendar Day	763	782	0%	NA	NA
775	DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN900 Valve Chamber at TKO Landfill Stage I Area A (CH.FB1+66) to DN900 Valve Chamber at CH.FD3+43	90 days	Tue 14/11/23	Sun 11/2/24	Calendar Day	764	782	0%	NA	NA
776	DN1200 MS Pipe - Pipeline Cleaning and CCTV From DN900 Valve Chamber at CH.FD 3+43 to DN900 Valve Chamber at Mau Wu Tsai (CH.HA0+44)	90 days	Tue 24/10/23	Sun 21/1/24	Calendar Day	765	782	0%	NA	NA
777	DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From From DN900 Valve Chamber at Mau Wu Tsai (CH.HA0+44) to DN900 Valve at Mau Wu Tsai (CH.HA6+45)	60 days	Sun 1/5/22	Wed 29/6/22	Calendar Day	767	782	0%	NA	NA
778	DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN900 Valve at Mau Wu Tsai (CH.HA6+45) to DN800 EMF & BV Chamber at TKO F.W.S.R.(CH.HE1+90) &	60 days	Sun 9/7/23	Wed 6/9/23	Calendar Day	768	782	0%	NA	NA
779	DN800 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN800 EMF & BV Chamber at TKO F.W.S.R.(CH.HE1+90) to CH.HE2+11	18 days	Mon 1/8/22	Thu 18/8/22	Calendar Day	769	782	0%	NA	NA
780	DN800 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN800 EMF & BV Chamber at TKO F.W.S.R.(CH.HF1+30) to CH.HF3+10	18 days	Tue 31/5/22	Fri 17/6/22	Calendar Day	770	782	0%	NA	NA
781	Sterilization and Water Sampling	30 days	Mon 8/7/24	Tue 6/8/24	Calendar Day			0%	NA	NA
782	DN1200 MS Pipe - Portion I & Portion H (Total Water = 9700 cu.m)	30 days	Mon 8/7/24	Tue 6/8/24	Calendar Day	772,773,774,775,777,778,7	787	0%	NA	NA
783	NS250 HDPE Pipe Static Pressure, Pipeline Cleaning, CCTV Inspection, Sterilization and Water Sampling	60 days	Fri 23/12/22	Mon 20/2/23	Calendar Day			0%	NA	NA
784	NS250 HDPE Pipe - Static Pressure Test - Portion H (Area 137)	30 days	Fri 23/12/22	Sat 21/1/23	Calendar Day	121	785	0%	NA	NA
785	NS250 HDPE Pipe - Pipeline Cleaning and CCTV Inspection, Sterilization and Water Sampling - Portion H (Area 137)	30 days	Sun 22/1/23	Mon 20/2/23	Calendar Day	784	788	0%	NA	NA
786	Handover Portion I and Portion H to WSD Region	563 days	Tue 21/2/23	Thu 5/9/24	Calendar Day			0%	NA	NA
787	DN1200 MS Pipe - Portion I & Portion H (Area 137)	30 days	Wed 7/8/24	Thu 5/9/24	Calendar Day	782		0%	NA	NA
788	NS250 HDPE Pipe - Portion H (Area 137)	7 days	Tue 21/2/23	Mon 27/2/23	Calendar Day	785	164	0%	NA	NA
789	Water Supply to Tseung Kwan O Desalination Plant at Fill Bank of Tseung Kwan O Area 137 (Portion J)	445 days	Tue 7/11/17	Sat 11/5/19	HK Working Day			99%	Tue 7/11/17	NA
790	Issue of CE No. 02	0 days	Fri 16/11/18	Fri 16/11/18	HK Working Day		791	100%	Fri 16/11/18	Fri 16/11/18
791	Procurement of Major Material	48 days	Sat 17/11/18	Thu 3/1/19	Calendar Day	790	792	100%	Sat 17/11/18	Thu 3/1/19
792	Installation of NS250 HDPE Pipe from A to B in accordance with the Drawing No. 13/WSD/16/SK13 to SK15 and W20203/4A	89 days	Fri 4/1/19	Thu 25/4/19	HK Working Day	791	793	100%	Fri 4/1/19	Thu 25/4/19
793	Sterilization and Flushing NS250 HDPE Pipe (From T0+00 to T23+64)	4 days	Wed 24/4/19	Sun 28/4/19	HK Working Day	792	794	100%	Wed 24/4/19	Sun 28/4/19
794	Take Water Sampling	1 day	Mon 29/4/19	Mon 29/4/19	HK Working Day	793	795	100%	Mon 29/4/19	Mon 29/4/19
795	Backfill at T23+64 after completion of Water Sampling Test	1 day	Sat 11/5/19	Sat 11/5/19	HK Working Day	794	796FF	100%	Sat 11/5/19	Sat 11/5/19
796	Handover Portion J to WSD Region	0 days	Sat 11/5/19	Sat 11/5/19	HK Working Day	795FF		100%	Sat 11/5/19	Sat 11/5/19
797		1 day	Tue 7/11/17	Tue 7/11/17	None			0%	NA	NA



Working Programme No. 15
Data Date : 24 May 2022

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Critical | Critical Split | Progress | Manual Progress