

Appendix 1.1 Construction Programme

WING TAT CIVIL ENGINEERING CO LTD
 CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2
 PROJECT PROGRAMME

ID	Task Name	Duration	Start	Finish	Early Start	Early Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	Gantt Chart																											
												Half 1	Half 2	2023, Half 2	2024, Half 1	2024, Half 2	2025, Half 1	2025, Half 2	2026, Half 1	2026, Half 2																			
108	Removal of Sheetpiles	20 days	Tue 25/11/18	Sun 25/12/7	Tue 25/11/18	Sun 25/12/7	Tue 25/11/18	Sun 25/12/7	0 days	0	107FS-10 days	[Gantt bar for task 108]																											
109	Demolish & relocate wall and porch YLL796/B/5,5A	14 days	Fri 25/11/18	Thu 25/12/11	Fri 25/11/18	Thu 25/12/11	Mon 25/12/8	Sun 25/12/21	10 days	0	108FS-10 days	[Gantt bar for task 109]																											
110	Demolish & relocate booth, metal frame YLL796/B/16	14 days	Fri 25/11/18	Thu 25/12/11	Fri 25/11/18	Thu 25/12/11	Mon 25/12/8	Sun 25/12/21	10 days	0	95FS-10 days	[Gantt bar for task 110]																											
111	Demolish & relocate wall YLL796/B/17	14 days	Fri 25/11/18	Thu 25/12/11	Fri 25/11/18	Thu 25/12/11	Mon 25/12/8	Sun 25/12/21	10 days	0	95FS-10 days	[Gantt bar for task 111]																											
112	Relocate/Divert ex. Utilities	14 days	Mon 25/12/8	Sun 25/12/21	Mon 25/12/8	Sun 25/12/21	Mon 25/12/8	Sun 25/12/21	0 days	0	95	[Gantt bar for task 112]																											
113	CH.A0.00-CH.A100.00	130 days	Mon 25/12/22	Thu 26/4/30	#####	Thu 26/4/30	#####	Thu 26/4/30	0 days	0		[Gantt bar for task 113]																											
114	Sheetpiling & Temp. Drainage Diversion	48 days	Mon 25/12/22	Sat 26/2/7	Mon 25/12/22	Sat 26/2/7	Mon 25/12/22	Sat 26/2/7	0 days	2	109,110,111,11	[Gantt bar for task 114]																											
115	Excavation and Lateral Support	48 days	Sat 26/1/3	Thu 26/2/19	Sat 26/1/3	Thu 26/2/19	Sat 26/1/3	Thu 26/2/19	0 days	2	114FS-36 days	[Gantt bar for task 115]																											
116	Ground and Edge Beams	44 days	Thu 26/1/15	Fri 26/2/27	Thu 26/1/15	Fri 26/2/27	Thu 26/1/15	Fri 26/2/27	0 days	0		[Gantt bar for task 116]																											
117	Install precast portion (ground beam)	28 days	Thu 26/1/15	Wed 26/2/11	Thu 26/1/15	Wed 26/2/11	Thu 26/1/15	Wed 26/2/11	0 days	0	115FS-36 days	[Gantt bar for task 117]																											
118	Rebar Fixing	20 days	Thu 26/1/29	Tue 26/2/17	Thu 26/1/29	Tue 26/2/17	Thu 26/1/29	Tue 26/2/17	0 days	1	117FS-14 days	[Gantt bar for task 118]																											
119	Formwork Erection and Cast-in items	20 days	Sun 26/2/8	Fri 26/2/27	Sun 26/2/8	Fri 26/2/27	Sun 26/2/8	Fri 26/2/27	0 days	1	118FS-10 days	[Gantt bar for task 119]																											
120	Concreting	1 day	Wed 26/2/18	Wed 26/2/18	Wed 26/2/18	Wed 26/2/18	Wed 26/2/18	Wed 26/2/18	0 days	0	119FS-10 days	[Gantt bar for task 120]																											
121	Walls	50 days	Thu 26/2/19	Thu 26/4/9	Thu 26/2/19	Thu 26/4/9	Thu 26/2/19	Thu 26/4/9	0 days	0		[Gantt bar for task 121]																											
122	Rebar Fixing	20 days	Thu 26/2/19	Thu 26/3/10	Thu 26/2/19	Thu 26/3/10	Thu 26/2/19	Thu 26/3/10	0 days	1	120	[Gantt bar for task 122]																											
123	Formwork Erection and Cast-in items	20 days	Sat 26/3/21	Thu 26/4/9	Sat 26/3/21	Thu 26/4/9	Sat 26/3/21	Thu 26/4/9	0 days	1	122FS+10 days	[Gantt bar for task 123]																											
124	Concreting	1 day	Tue 26/3/31	Tue 26/3/31	Tue 26/3/31	Tue 26/3/31	Tue 26/3/31	Tue 26/3/31	0 days	0	123FS-10 days	[Gantt bar for task 124]																											
125	Backfilling and Compaction	20 days	Wed 26/4/1	Mon 26/4/20	Wed 26/4/1	Mon 26/4/20	Wed 26/4/1	Mon 26/4/20	0 days	0	124	[Gantt bar for task 125]																											
126	Removal of Sheetpiles	20 days	Sat 26/4/11	Thu 26/4/30	Sat 26/4/11	Thu 26/4/30	Sat 26/4/11	Thu 26/4/30	0 days	0	125FS-10 days	[Gantt bar for task 126]																											
127	Pedestrian Crossing no. 2	28 days	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	0 days	0	126	[Gantt bar for task 127]																											
128	Connection to ex. Stream	28 days	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	0 days	0	126	[Gantt bar for task 128]																											
129	U-channels	28 days	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	0 days	0	126	[Gantt bar for task 129]																											
130	Facing stone	28 days	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	0 days	0	126	[Gantt bar for task 130]																											
131	ABWF works	28 days	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	0 days	0	126	[Gantt bar for task 131]																											
132	Bedding works	28 days	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	Fri 26/5/1	Thu 26/5/28	0 days	0	126	[Gantt bar for task 132]																											
98																																							
99	Section II	1071 days	Tue 23/5/30	Mon 26/5/4	Tue 23/5/30	Mon 26/5/4	Tue 23/5/30	Mon 26/5/4	0 days	0		[Gantt bar for task 99]																											
2	access date of Portion B	210 days	Tue 23/5/30	Mon 23/12/25	Tue 23/5/30	Mon 23/12/25	Tue 25/10/7	Mon 26/5/4	861 days	0	\\WingTatNasc	[Gantt bar for task 2]																											
3	section II (Tai Wo)	820 days	Tue 23/5/30	Tue 25/8/26	Tue 23/5/30	Tue 25/8/26	Tue 23/5/30	Tue 25/8/26	0 days	0	\\WingTatNasc	[Gantt bar for task 3]																											
4	[NCExxx] [EWN008] Extension of time for section II due to blockade of access	251 days	Wed 25/8/27	Mon 26/5/4	Wed 25/8/27	Mon 26/5/4	Wed 25/8/27	Mon 26/5/4	0 days	0	3	[Gantt bar for task 4]																											
5	Early access [A]	144 days	Tue 23/5/30	Fri 23/10/20	Tue 23/5/30	Fri 23/10/20	Sun 23/10/15	Wed 24/3/6	138 days	0	\\WingTatNasc	[Gantt bar for task 5]																											
6	Site Establishment	461 days	Tue 23/9/26	Sun 24/12/29	Tue 23/9/26	Sun 24/12/29	Thu 24/3/7	Wed 25/7/16	163 days	0		[Gantt bar for task 6]																											
7	Prepare and Accept Temp. Works Design and Method Statement	461 days	Tue 23/9/26	Sun 24/12/29	Tue 23/9/26	Sun 24/12/29	Fri 24/4/12	Wed 25/7/16	199 days	0	\\WingTatNasc	[Gantt bar for task 7]																											
8	Public Liaison and Negotiation with Village Rep.	103 days	Fri 23/10/20	Tue 24/1/30	Fri 23/10/20	Tue 24/1/30	Mon 24/5/6	Fri 24/8/16	199 days	0	5FS-1 day	[Gantt bar for task 8]																											
9	Initial Survey	80 days	Sat 23/10/21	Mon 24/1/8	Sat 23/10/21	Mon 24/1/8	Thu 24/3/7	Sat 24/5/25	138 days	0	5	[Gantt bar for task 9]																											
10	Initial Safety & Environmental measures	80 days	Sat 23/10/21	Mon 24/1/8	Sat 23/10/21	Mon 24/1/8	Thu 24/3/7	Sat 24/5/25	138 days	0	5	[Gantt bar for task 10]																											
12	EIAO Commencement of Construction	1 day	Wed 24/2/21	Wed 24/2/21	Wed 24/2/21	Wed 24/2/21	Sat 24/8/24	Sat 24/8/24	185 days	0	\\WingTatNasc	[Gantt bar for task 12]																											
13	Environmental Baseline Monitoring	15 days	Tue 24/1/23	Tue 24/2/6	Tue 24/1/23	Tue 24/2/6	Fri 24/8/9	Fri 24/8/9	185 days	0	12FS-30 days	[Gantt bar for task 13]																											
14	Subcontracting of works	120 days	Sat 23/10/21	Sat 24/2/17	Sat 23/10/21	Sat 24/2/17	Wed 24/11/6	Wed 25/3/5	382 days	0		[Gantt bar for task 14]																											
15	Preparation of tendering documents	30 days	Sat 23/10/21	Sun 23/11/19	Sat 23/10/21	Sun 23/11/19	Wed 24/11/6	Thu 24/12/5	382 days	0	5	[Gantt bar for task 15]																											
16	EWN007 Ambiguities on drawings	60 days	Mon 23/11/20	Thu 24/1/18	Mon 23/11/20	Thu 24/1/18	Fri 24/12/6	Mon 25/2/3	382 days	0	15	[Gantt bar for task 16]																											
17	C9 Tendering procedure for Tai Wo RC works	30 days	Fri 24/1/19	Sat 24/2/17	Fri 24/1/19	Sat 24/2/17	Tue 25/2/4	Wed 25/3/5	382 days	0	16	[Gantt bar for task 17]																											
19	Setup of instrumentation and monitoring	76 days	Tue 24/1/9	Sun 24/3/24	Tue 24/1/9	Sun 24/3/24	Sun 24/5/26	Fri 24/8/9	138 days	0	10.9	[Gantt bar for task 19]																											
20	Condition Survey [A]	15 days	Tue 24/1/9	Tue 24/1/23	Tue 24/1/9	Tue 24/1/23	Fri 24/7/26	Fri 24/8/9	199 days	0	10.9	[Gantt bar for task 20]																											
21	Freshwater Crab Translocation Plan	60 days	Tue 24/1/9	Fri 24/3/8	Tue 24/1/9	Fri 24/3/8	Tue 24/6/11	Fri 24/8/9	154 days	0	10.9	[Gantt bar for task 21]																											
22	Tree Survey [A]	15 days	Tue 24/1/9	Tue 24/1/23	Tue 24/1/9	Tue 24/1/23	Mon 24/6/3	Mon 24/6/17	146 days	0	10.9	[Gantt bar for task 22]																											
23	[PMxxx] TPRP for Additional Trees (impact to be ascertained)	60 days	Wed 24/1/24	Sat 24/3/23	Wed 24/1/24	Sat 24/3/23	Tue 24/6/18	Fri 24/8/16	146 days	0	22	[Gantt bar for task 23]																											
24	Establish access(es) to channels	15 days	Tue 24/1/9	Tue 24/1/23	Tue 24/1/9	Tue 24/1/23	Sun 24/5/26	Sun 24/6/9	138 days	0	10.9	[Gantt bar for task 24]																											
25	[NCExxx] [EWN008] Blockade of access by others	68 days	Wed 24/1/24	Sun 24/3/31	Wed 24/1/24	Sun 24/3/31	Mon 24/6/10	Fri 24/8/16	138 days	0	24	[Gantt bar for task 25]																											
26	Guarding / Barrier / Hoarding	22 days	Tue 24/1/9	Tue 24/1/30	Tue 24/1/9	Tue 24/1/30	Fri 24/7/26	Fri 24/8/16	199 days	0	10.9	[Gantt bar for task 26]																											
27	UU detection	7 days	Sat 24/3/9	Fri 24/3/15	Sat 24/3/9	Fri 24/3/15	Sat 24/8/10	Fri 24/8/16	154 days	0	20.21,24	[Gantt bar for task 27]																											
28	Site Clearance	7 days	Mon 24/3/25	Sun 24/3/31	Mon 24/3/25	Sun 24/3/31	Sat 24/8/10	Fri 24/8/16	138 days	0	22,19,13	[Gantt bar for task 28]																											
29	Drainage Channels Works (Dry Season Oct-Mar only)	613 days	Mon 24/4/1	Thu 25/12/4	Mon 24/4/1	Thu 25/12/4	Sat 24/8/17	Mon 26/5/4	138 days	0		[Gantt bar for task 29]																											
30	[NCExxx] No works for wet season	183 days	Mon 24/4/1	Mon 24/9/30	Mon 24/4/1	Mon 24/9/30	Sat 24/8/17	Sat 25/2/15	138 days	0	28,26,27,8,25,2	[Gantt bar for task 30]																											
31	Demolish fences and temp. structure	9 days	Tue 24/10/1	Wed 24/10/9	Tue 24/10/1	Wed 24/10/9	Sun 25/2/16	Mon 25/2/24	138 days	0	30	[Gantt bar for task 31]																											
32	Demolish & relocate hoarding, fencing YLL803	9 days	Tue 24/10/1	Wed 24/10/9	Tue 24/10/1	Wed 24/10/9	Sun 25/2/16	Mon 25/2/24	138 days	0	30	[Gantt bar for task 32]																											
33	CH.A200-CH.A288.29	69 days	Thu 24/10/10	Tue 24/12/17	Thu 24/10/10	Tue 24/12/17	Tue 25/2/25	Sun 25/5/4	138 days	0		[Gantt bar for task 33]																											
34	Sheetpiling & Temp. Drainage Diversion (for non-open-cut portions)	45 days	Thu 24/10/10	Sat 24/11/23	Thu 24/10/10	Sat 24/11/23	Tue 25/2/25	Thu 25/4/10	138 days	1	31,32	[Gantt bar for task 34]																											
35	Excavation and Lateral Support	45 days	Sat 24/10/19	Mon 24/12/2	Sat 24/10/19	Mon 24/12/2	Thu 25/3/6	Sat 25/4/19	138 days	1	34FS-36 days,1	[Gantt bar for task 35]																											
36	Base Slab	34 days	Mon 24/10/28	Sat 24/11/30	#####	Sat 24/11/30	Sat 25/3/15	Thu 25/4/17	138 days	0		[Gantt bar for task 36]																											
37	Rebar Fixing	26 days	Mon 24/10/28	Fri 24/11/22	Mon 24/10/28	Fri 24/11/22	Sat 25/3/15	Wed 25/4/9	138 days	1	35FS-36 days	[Gantt bar for task 37]																											
38	Formwork Erection and Cast-in items	26 days	Tue 24/11/5	Sat 24/11/30	Tue 24/11/5	Sat 24/11/30	Sun 25/3/23	Thu 25/4/17	138 days	1	37FS-18 days	[Gantt bar for task 38]																											
39	Concreting	1 day	Wed 24/11/13	Wed 24/11/13	Wed 24/11/13	Wed 24/11/13	Mon 25/3/31	Mon 25/3/31	138 days	0	38FS-18 days	[Gantt bar for task 39]																											
40	Walls	34 days	Thu 24/11/14	Tue 24/12/17	Thu 24/11/14	Tue 24/12/17	Tue 25/4/1	Sun 25/5/4	138 days	0		[Gantt bar for task 40]																											
41	Rebar Fixing	26 days	Thu 24/11/14	Mon 24/12/9	Thu 24/11/14	Mon 24/12/9	Tue 25/4/1	Sat 25/4/26	138 days	1	39	[Gantt bar for task 41]																											
42	Formwork Erection and Cast-in items	26 days	Fri 24/11/22	Tue 24/12/17	Fri 24/11/22	Tue 24/12/17	Wed 25/4/9	Sun 25/5/4	138 days	1	41FS-18 days	[Gantt bar for task 42]																											
43	Concreting	1 day	Sat 24/11/30	Sat 24/11/30	Sat 24/11/30	Sat 24/11/30	Thu 25/4/17	Thu 25/4/17	138 days	0	42FS-18 days	[Gantt bar for task 43]																											
44	CH.A200-CH.A288.29 (continue)	39 days	Sun 24/12/1	Wed 25/1/8	Sun 24/12/1	Wed 25/1/8	Fri 25/4/18	Mon 25/5/26	138 days	0		[Gantt bar for task 44]																											
45	Backfilling and Compaction	30 days	Sun 24/12/1	Mon 24/12/30	Sun 24/12/1	Mon 24/12/30	Fri 25/4/18	Sat 25/5/17	138 days	0	43	[Gantt bar for task 45]																											
46	Removal of Sheetpiles	30 days	Tue 24/12/10	Wed 25/1/8	Tue 24/12/10	Wed 25/1/8	Sun 25/4/27	Mon 25/5/26	138																														

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