

Appendix 1.1 Construction Programme

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

ID	Task Name	Duration	Start	Finish	Early Start	Early Finish	Late Start	Late Finish	Total Slack	TRA	Half 1	2023, Half 2	2024, Half 1	2024, Half 2	2025, Half 1	2025, Half 2	2026, Half 1	2026, Half 2
85	Rebar Fixing	20 days	2025/07/30	2025/08/18	2025/07/30	2025/08/18	2025/07/30	2025/08/18	0 days	1								
86	Formwork Erection and Cast-in items	20 days	2025/08/09	2025/08/28	2025/08/09	2025/08/28	2025/08/09	2025/08/28	0 days	1								
87	Concreting	1 day	2025/08/19	2025/08/19	2025/08/19	2025/08/19	2025/08/19	2025/08/19	0 days	0								
88	Backfilling and Compaction	20 days	2025/08/20	2025/09/08	2025/08/20	2025/09/08	2025/08/20	2025/09/08	0 days	0								
89	Removal of Sheetpiles	20 days	2025/08/30	2025/09/18	2025/08/30	2025/09/18	2025/08/30	2025/09/18	0 days	0								
90	CH A100.00 - CH A200.00	90 days	2025/09/09	2025/12/07	2025/09/09	2025/12/07	2025/09/09	2025/12/07	0 days	0								
91	Sheetpiling	48 days	2025/09/09	2025/10/26	2025/09/09	2025/10/26	2025/09/09	2025/10/26	0 days	2								
92	Excavation and Lateral Support	48 days	2025/09/21	2025/11/07	2025/09/21	2025/11/07	2025/09/21	2025/11/07	0 days	2								
93	Ground and Edge Beams	44 days	2025/10/03	2025/11/15	2025/10/03	2025/11/15	2025/10/03	2025/11/15	0 days	0								
94	Install precast portion (ground beam)	28 days	2025/10/03	2025/10/30	2025/10/03	2025/10/30	2025/10/03	2025/10/30	0 days	0								
95	Rebar Fixing	20 days	2025/10/17	2025/11/05	2025/10/17	2025/11/05	2025/10/17	2025/11/05	0 days	1								
96	Formwork Erection and Cast-in items	20 days	2025/10/27	2025/11/15	2025/10/27	2025/11/15	2025/10/27	2025/11/15	0 days	1								
97	Concreting	1 day	2025/11/06	2025/11/06	2025/11/06	2025/11/06	2025/11/06	2025/11/06	0 days	0								
98	Walls	10 days	2025/11/07	2025/11/16	2025/11/07	2025/11/16	2025/11/07	2025/11/16	0 days	1								
99	Rebar Fixing	10 days	2025/11/07	2025/11/16	2025/11/07	2025/11/16	2025/11/07	2025/11/16	0 days	1								
100	Formwork Erection and Cast-in items	10 days	2025/11/07	2025/11/16	2025/11/07	2025/11/16	2025/11/07	2025/11/16	0 days	1								
101	Concreting	1 day	2025/11/07	2025/11/07	2025/11/07	2025/11/07	2025/11/07	2025/11/07	0 days	0								
102	Backfilling and Compaction	20 days	2025/11/08	2025/11/27	2025/11/08	2025/11/27	2025/11/08	2025/11/27	0 days	0								
103	Removal of Sheetpiles	20 days	2025/11/18	2025/12/07	2025/11/18	2025/12/07	2025/11/18	2025/12/07	0 days	0								
104	Demolish & relocate wall and porch YLL796/B/5,5A	14 days	2025/11/28	2025/12/11	2025/11/28	2025/12/11	2025/11/28	2025/12/11	10 days	0								
105	Demolish & relocate booth, metal frame YLL796/B/16	14 days	2025/11/28	2025/12/11	2025/11/28	2025/12/11	2025/11/28	2025/12/11	10 days	0								
106	Demolish & relocate wall YLL796/B/17	14 days	2025/11/28	2025/12/11	2025/11/28	2025/12/11	2025/11/28	2025/12/11	10 days	0								
107	Relocate/Divert ex. Utilities	14 days	2025/12/08	2025/12/21	2025/12/08	2025/12/21	2025/12/08	2025/12/21	0 days	0								
108	CH A0.00 - CH A100.00	130 days	2025/12/22	2026/04/30	2025/12/22	2026/04/30	2025/12/22	2026/04/30	0 days	0								
109	Sheetpiling	48 days	2025/12/22	2026/02/07	2025/12/22	2026/02/07	2025/12/22	2026/02/07	0 days	2								
110	Excavation and Lateral Support	48 days	2026/01/03	2026/02/19	2026/01/03	2026/02/19	2026/01/03	2026/02/19	0 days	2								
111	Ground and Edge Beams	44 days	2026/01/15	2026/02/27	2026/01/15	2026/02/27	2026/01/15	2026/02/27	0 days	0								
112	Install precast portion (ground beam)	28 days	2026/01/15	2026/02/11	2026/01/15	2026/02/11	2026/01/15	2026/02/11	0 days	0								
113	Rebar Fixing	20 days	2026/01/29	2026/02/17	2026/01/29	2026/02/17	2026/01/29	2026/02/17	0 days	1								
114	Formwork Erection and Cast-in items	20 days	2026/02/08	2026/02/27	2026/02/08	2026/02/27	2026/02/08	2026/02/27	0 days	1								
115	Concreting	1 day	2026/02/18	2026/02/18	2026/02/18	2026/02/18	2026/02/18	2026/02/18	0 days	0								
116	Walls	50 days	2026/02/19	2026/04/09	2026/02/19	2026/04/09	2026/02/19	2026/04/09	0 days	1								
117	Rebar Fixing	20 days	2026/02/19	2026/03/10	2026/02/19	2026/03/10	2026/02/19	2026/03/10	0 days	1								
118	Formwork Erection and Cast-in items	20 days	2026/03/21	2026/04/09	2026/03/21	2026/04/09	2026/03/21	2026/04/09	0 days	1								
119	Concreting	1 day	2026/03/31	2026/03/31	2026/03/31	2026/03/31	2026/03/31	2026/03/31	0 days	0								
120	Backfilling and Compaction	20 days	2026/04/01	2026/04/20	2026/04/01	2026/04/20	2026/04/01	2026/04/20	0 days	0								
121	Removal of Sheetpiles	20 days	2026/04/11	2026/04/30	2026/04/11	2026/04/30	2026/04/11	2026/04/30	0 days	0								
122	Pedestrian Crossing no. 2	28 days	2026/05/01	2026/05/28	2026/05/01	2026/05/28	2026/05/01	2026/05/28	0 days	0								
123	Connection to ex. Stream	28 days	2026/05/01	2026/05/28	2026/05/01	2026/05/28	2026/05/01	2026/05/28	0 days	0								
124	U-channels	28 days	2026/05/01	2026/05/28	2026/05/01	2026/05/28	2026/05/01	2026/05/28	0 days	0								
125	Facing stone	28 days	2026/05/01	2026/05/28	2026/05/01	2026/05/28	2026/05/01	2026/05/28	0 days	0								
126	ABWF works	28 days	2026/05/01	2026/05/28	2026/05/01	2026/05/28	2026/05/01	2026/05/28	0 days	0								
127	Bedding works	28 days	2026/05/01	2026/05/28	2026/05/01	2026/05/28	2026/05/01	2026/05/28	0 days	0								
50																		
51	Section II	820 days	2023/05/30	2025/08/26	2023/05/30	2025/08/26	2023/05/30	2026/07/27	0 days	0								
2	access date of Portion B	210 days	2023/05/30	2023/12/25	2023/05/30	2023/12/25	2023/05/30	2023/12/25	0 days	0								
3	section II (Tai Wo)	820 days	2023/05/30	2025/08/26	2023/05/30	2025/08/26	2023/05/30	2026/07/27	335 days	0								
4	Site Establishment	129 days	2023/09/24	2024/01/30	2023/09/24	2024/01/30	2023/09/24	2024/01/30	0 days	0								
5	Initial Survey	15 days	2023/12/25	2024/01/08	2023/12/25	2024/01/08	2023/12/25	2024/01/08	0 days	0								
7	Public Liaison and TTA	60 days	2023/09/24	2023/11/22	2023/09/24	2023/11/22	2023/09/24	2023/11/22	0 days	0								
8	Initial Safety & Environmental measures	60 days	2023/11/23	2024/01/21	2023/11/23	2024/01/21	2023/11/23	2024/01/21	0 days	0								
10	Prepare and Accept Design and Method Statement	90 days	2023/10/26	2024/01/23	2023/10/26	2024/01/23	2023/10/26	2024/01/23	0 days	0								
12	Environmental Baseline Monitoring	15 days	2024/01/09	2024/01/23	2024/01/09	2024/01/23	2024/01/09	2024/01/23	0 days	0								
13	Setup of instrumentation and monitoring	15 days	2024/01/09	2024/01/23	2024/01/09	2024/01/23	2024/01/09	2024/01/23	0 days	0								
14	Condition Survey	15 days	2024/01/09	2024/01/23	2024/01/09	2024/01/23	2024/01/09	2024/01/23	0 days	0								
15	Freshwater Crab Translocation Plan	15 days	2024/01/09	2024/01/23	2024/01/09	2024/01/23	2024/01/09	2024/01/23	0 days	0								
16	Tree Survey	15 days	2024/01/09	2024/01/23	2024/01/09	2024/01/23	2024/01/09	2024/01/23	0 days	0								
17	Establish access(es) to channels	15 days	2024/01/09	2024/01/23	2024/01/09	2024/01/23	2024/01/09	2024/01/23	0 days	0								
18	Guarding / Barrier / Hoarding	9 days	2024/01/22	2024/01/30	2024/01/22	2024/01/30	2024/01/22	2024/01/30	0 days	0								
19	UU detection	7 days	2024/01/24	2024/01/30	2024/01/24	2024/01/30	2024/01/24	2024/01/30	0 days	0								
20	Site Clearance	7 days	2024/01/24	2024/01/30	2024/01/24	2024/01/30	2024/01/24	2024/01/30	0 days	0								
21	Drainage Channels Works (Dry Season Oct-Mar only)	574 days	2024/01/31	2025/08/26	2024/01/31	2025/08/26	2024/01/31	2026/07/27	0 days	0								
22	Demolish fences and temp. structure	9 days	2024/01/31	2024/02/08	2024/01/31	2024/02/08	2024/01/31	2024/02/08	0 days	0								
23	Demolish & relocate hoarding, fencing YLL803	9 days	2024/01/31	2024/02/08	2024/01/31	2024/02/08	2024/01/31	2024/02/08	0 days	0								
24	CH A200 - CH A288.29	69 days	2024/02/09	2024/04/17	2024/02/09	2024/04/17	2024/02/09	2024/04/17	0 days									

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ID	Task Name	Duration	Start	Finish	Early Start	Early Finish	Late Start	Late Finish	Total Slack	TRA	Half 1	2023, Half 2	2024, Half 1	2024, Half 2	2025, Half 1	2025, Half 2	2026, Half 1	2026, Half 2
19	Approval of TTA	30 days	2024/03/24	2024/04/22	2024/03/24	2024/04/22	2024/03/24	2024/04/22	0 days	0								
20	Drain Laying Works	491 days	2024/04/23	2025/08/26	2024/04/23	2025/08/26	2024/04/23	2025/08/26	0 days	0								
21	Protection to ex. Dongjiang Water Main	48 days	2024/04/23	2024/06/09	2024/04/23	2024/06/09	2024/04/23	2024/06/09	0 days	0								
22	CH A653.949-CH A665.219	90 days	2024/06/10	2024/09/07	2024/06/10	2024/09/07	2024/06/10	2024/09/07	0 days	0								
23	Sheetpiling	25 days	2024/06/10	2024/07/04	2024/06/10	2024/07/04	2024/06/10	2024/07/04	0 days	0								
24	Excavation and Lateral Support	25 days	2024/06/17	2024/07/11	2024/06/17	2024/07/11	2024/06/17	2024/07/11	0 days	0								
25	Ground and Edge Beams	46 days	2024/06/24	2024/08/08	2024/06/24	2024/08/08	2024/06/24	2024/08/08	0 days	0								
26	Install precast portion (ground beam)	30 days	2024/06/24	2024/07/23	2024/06/24	2024/07/23	2024/06/24	2024/07/23	0 days	0								
27	Rebar Fixing	28 days	2024/07/04	2024/07/31	2024/07/04	2024/07/31	2024/07/04	2024/07/31	0 days	1								
28	Formwork Erection and Cast-in items	28 days	2024/07/12	2024/08/08	2024/07/12	2024/08/08	2024/07/12	2024/08/08	0 days	1								
29	Concreting	1 day	2024/07/20	2024/07/20	2024/07/20	2024/07/20	2024/07/20	2024/07/20	0 days	0								
30	Walls	36 days	2024/07/21	2024/08/25	2024/07/21	2024/08/25	2024/07/21	2024/08/25	0 days	0								
31	Rebar Fixing	28 days	2024/07/21	2024/08/17	2024/07/21	2024/08/17	2024/07/21	2024/08/17	0 days	1								
32	Formwork Erection and Cast-in items	28 days	2024/07/29	2024/08/25	2024/07/29	2024/08/25	2024/07/29	2024/08/25	0 days	1								
33	Concreting	1 day	2024/08/06	2024/08/06	2024/08/06	2024/08/06	2024/08/06	2024/08/06	0 days	0								
34	Backfilling and Compaction	25 days	2024/08/07	2024/08/31	2024/08/07	2024/08/31	2024/08/07	2024/08/31	0 days	0								
35	Removal of Sheetpiles	25 days	2024/08/14	2024/09/07	2024/08/14	2024/09/07	2024/08/14	2024/09/07	0 days	0								
36	Box Culvert no. 5	110 days	2024/08/21	2024/12/08	2024/08/21	2024/12/08	2024/08/21	2024/12/08	0 days	0								
37	CH A665.219-CH A674.419, 2x1500PCT, L=9.2D=3.2	103 days	2024/12/09	2025/03/21	2024/12/09	2025/03/21	2024/12/09	2025/03/21	0 days	0								
38	Erection of temp. works	45 days	2024/12/09	2025/01/22	2024/12/09	2025/01/22	2024/12/09	2025/01/22	0 days	3								
39	TTA Implementation and Mobilisation	20 days	2025/01/03	2025/01/22	2025/01/03	2025/01/22	2025/01/03	2025/01/22	0 days	0								
40	Pipe Jacking	45 days	2025/01/13	2025/02/26	2025/01/13	2025/02/26	2025/01/13	2025/02/26	0 days	4								
41	Demobilisation	8 days	2025/02/12	2025/02/19	2025/02/12	2025/02/19	2025/02/12	2025/02/19	0 days	0								
42	Removal of temp. works	30 days	2025/02/20	2025/03/21	2025/02/20	2025/03/21	2025/02/20	2025/03/21	0 days	0								
43	Rehabilitate 2x1400 GRP pipes	110 days	2025/03/07	2025/06/24	2025/03/07	2025/06/24	2025/03/07	2025/06/24	0 days	0								
44	CCTV inspection	28 days	2025/06/25	2025/07/22	2025/06/25	2025/07/22	2025/06/25	2025/07/22	0 days	4								
45	Reinstatement	35 days	2025/07/23	2025/08/26	2025/07/23	2025/08/26	2025/07/23	2025/08/26	0 days	5								
60																		
61	Section V	975 days	2023/05/29	2026/01/27	2023/05/29	2026/01/27	2023/05/29	2026/01/27	0 days	0								
2	access date of Portion E1	0 days	2023/05/29	2023/05/29	2023/05/29	2023/05/29	2023/05/29	2023/05/29	0 days	0								
3	section V (Shan Ha T'suen - Shan Ha Road)	973 days	2023/05/30	2026/01/26	2023/05/30	2026/01/26	2023/05/30	2026/01/26	0 days	0								
4	Site Establishment	240 days	2023/05/29	2024/01/23	2023/05/29	2024/01/23	2023/05/29	2024/01/23	0 days	0								
5	Initial Survey	45 days	2023/05/29	2023/07/12	2023/05/29	2023/07/12	2023/05/29	2023/07/12	90 days	0								
7	Public Liaison	60 days	2023/09/24	2023/11/22	2023/09/24	2023/11/22	2023/09/24	2023/11/22	32 days	0								
8	Initial Safety & Environmental measures	30 days	2023/11/23	2023/12/22	2023/11/23	2023/12/22	2023/11/23	2023/12/22	32 days	0								
10	Prepare and Accept Design and Method Statement	90 days	2023/10/26	2024/01/23	2023/10/26	2024/01/23	2023/10/26	2024/01/23	0 days	0								
11	Setup of instrumentation and monitoring	45 days	2023/07/13	2023/08/26	2023/07/13	2023/08/26	2023/07/13	2023/08/26	90 days	0								
12	Tree Survey	45 days	2023/07/13	2023/08/26	2023/07/13	2023/08/26	2023/07/13	2023/08/26	90 days	0								
13	UU detection	30 days	2023/08/27	2023/09/25	2023/08/27	2023/09/25	2023/08/27	2023/09/25	90 days	0								
14	Site Clearance	30 days	2023/09/26	2023/10/25	2023/09/26	2023/10/25	2023/09/26	2023/10/25	90 days	0								
15	Temporary Traffic Arrangement	240 days	2023/05/29	2024/01/23	2023/05/29	2024/01/23	2023/05/29	2024/01/23	0 days	0								
16	Application of XP	210 days	2023/05/29	2023/12/24	2023/05/29	2023/12/24	2023/05/29	2023/12/24	0 days	0								
17	Submission of TTA and Arrange TMLG	210 days	2023/05/29	2023/12/24	2023/05/29	2023/12/24	2023/05/29	2023/12/24	0 days	0								
18	Approval of TTA	30 days	2023/12/25	2024/01/23	2023/12/25	2024/01/23	2023/12/25	2024/01/23	0 days	0								
19	Drain Laying Works	734 days	2024/01/24	2026/01/26	2024/01/24	2026/01/26	2024/01/24	2026/01/26	0 days	0								
20	SHT.A05-SHT.A06A 1500PC,B,L=13.12,D=3.15	66 days	2024/01/24	2024/03/29	2024/01/24	2024/03/29	2024/01/24	2024/03/29	0 days	0								
21	TTA Implementation	4 days	2024/01/24	2024/01/27	2024/01/24	2024/01/27	2024/01/24	2024/01/27	0 days	0								
22	Breaking Ground	14 days	2024/01/26	2024/02/08	2024/01/26	2024/02/08	2024/01/26	2024/02/08	0 days	1								
23	Excavation and Lateral Support	16 days	2024/02/07	2024/02/22	2024/02/07	2024/02/22	2024/02/07	2024/02/22	0 days	2								
24	Drain Laying	14 days	2024/02/21	2024/03/05	2024/02/21	2024/03/05	2024/02/21	2024/03/05	0 days	2								
25	Bedding and Backfilling	8 days	2024/03/04	2024/03/11	2024/03/04	2024/03/11	2024/03/04	2024/03/11	0 days	0								
26	Manhole Construction	10 days	2024/03/10	2024/03/19	2024/03/10	2024/03/19	2024/03/10	2024/03/19	0 days	1								
27	Reinstatement	8 days	2024/03/20	2024/03/27	2024/03/20	2024/03/27	2024/03/20	2024/03/27	0 days	0								
28	TTA Removal	2 days	2024/03/28	2024/03/29	2024/03/28	2024/03/29	2024/03/28	2024/03/29	0 days	0								
29	Connection of ex. 900pipe to SHT.A06A	30 days	2024/03/30	2024/04/28	2024/03/30	2024/04/28	2024/03/30	2024/04/28	0 days	0								
30	SHT.A04-SHT.A05 1500PC,B,L=81.31,D=3.44	176 days	2024/04/29	2024/10/21	2024/04/29	2024/10/21	2024/04/29	2024/10/21	0 days	0								
31	Stage 1	60 days	2024/04/29	2024/06/27	2024/04/29	2024/06/27	2024/04/29	2024/06/27	0 days	0								
32	TTA Implementation	4 days	2024/04/29	2024/05/02	2024/04/29	2024/05/02	2024/04/29	2024/05/02	0 days	0								
33	Breaking Ground	12 days	2024/05/01	2024/05/12	2024/05/01	2024/05/12	2024/05/01	2024/05/12	0 days	1								
34	Excavation and Lateral Support	14 days	2024/05/11	2024/05/24	2024/05/11	2024/05/24	2024/05/11	2024/05/24	0 days	2								
35	Drain Laying	12 days	2024/05/23	2024/06/03	2024/05/23	2024/06/03	2024/05/23	2024/06/03	0 days	2								
36	Bedding and Backfilling	8 days	2024/06/02	2024/06/09	2024/06/02	2024/06/09	2024/06/02	2024/06/09	0 days	0								
37	Manhole Construction	10 days	2024/06/08	2024/06/17	2024/06/08	2024/06/17	2024/06/08	2024/06/17	0 days	1								
38	Reinstatement	8 days	2024/06/18	2024/06/25	2024/06/18	2024/06/25	2024/06/18	2024/06/25	0 days	0								
39	TTA Removal	2 days	2024/06/26	2024/06/27	2024/06/26	2024/06/27	2024/06/26	2024/06/27	0 days	0								

