

## Appendix C

## **Construction Programme**

		In :	0	F	m 1 2 1 :	In. I	Ip	C 1	hat al C	Autor Proces	Project: Mainlaying in Tseung Kwan O					
ask	: Name	Duration	Start	Finish	Task Calendar	Predecessors	Successors %	Complete A	Actual Start		2018   Qtr 1, 2018   Qtr 2, 2018   Qtr 3, 2018   Qtr 4,	2019   Qtr 1, 2019   Qtr 2, 2019   Qtr 3, 2019   Qtr 4, 201   Jan   Feb   Mar   Arr   May   Jun   Jul   Aug   Sep   Qxt   Nov	2020   2021	021 Qtr 2, 2021 Qtr 3, 202 b Mar Apr May Jun Jul Aug	2022   Qtr 4, 2021   Qtr 1, 2022   Qtr 2, 20   Gep   Oct   Nov   Dec   Jan   Feb   Mar   Apr   Mar	2023   2027   Qtr 3, 2022   Qtr 4, 2022   Qtr 1, 2023   Qtr 2, 20   y Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Feb   Mar   Apr   Ma
2)	y Dates	2420 days	7 Nov '17	22 Jun '24	Calendar Day			0%	7 Nov '17	NA.						
(	Contract Date	0 days	7 Nov '17	7 Nov '17	Calendar Day		36,28,29F!	100%	7 Nov '17	7 Nov '17	/11					
	Starting Date	0 days	16 Nov '17	16 Nov '17	Calendar Day			100%	16 Nov '17	16 Nov '17	16/11					
1	Access Date of Portion A, B, C, D, E, F and G	0 days	16 Nov '17	16 Nov '17	Calendar Day		59,32,40,4	100%	16 Nov '17	16 Nov '17	6/11					
1	Access Date of Portion H	0 days	10 Aug '19	10 Aug '19	Calendar Day		582	100%	10 Aug '19	10 Aug '19		♦ 10/8				
(	Completion Date (Contract)	0 days	18 May '21	18 May '21	Calendar Day			100%	18 May '21	18 May '21				<b>♦</b> 18/5		
F	Revised Completion Date (Including EOT - CE01 & CE23)	0 days	11 Feb '22	11 Feb '22	Calendar Day			100%	11 Feb '22	11 Feb '22					<b>♦ 11/2</b>	
F	Planned Completion	0 days	23 Jun '23	23 Jun '23	Calendar Day	10		0%	NA	N.A						
[	Defect Date	0 days	22 Jun '24	22 Jun '24	Calendar Day	10FS+365 days		0%	NA	N/						
Λa	ainlaying In Tseung Kwan O	2055 days	7 Nov '17	23 Jun '23	Calendar Day		9FS+365 d	35%	7 Nov '17	N/						
	Issue CE No. 01 - Change in Pressure Rating of Watermain, Valves and Fittings from PN16 to PN25	0 days	12 Jul '18	12 Jul '18	Calendar Day		37	100%	12 Jul '18	12 Jul '18	<b>♦</b> 12/7					
	Issue CE No. 04 - Feasibility Study of Realignment of Pipeline between Po Hung Road and TKO Freshwater PSR	e O days	23 Aug '18	23 Aug '18	Calendar Day			100%	23 Aug '18	23 Aug '18	<b>♦ 23/8</b>					
	Issue CE No. 05 - Feasibility Study of Realignment of Pipeline at Tseung Kwan O Stage 1 Landfill	o days	23 Aug '18	23 Aug '18	Calendar Day			100%	23 Aug '18	23 Aug '18	<b>♦</b> 23/8					
1	Issue CE No. 10 - Contractor Design of The Realignment	0 days	28 Feb '19	28 Feb '19	Calendar Day			100%	28 Feb '19	28 Feb '19		♦ 28/2				
1	Issue CE No. 20 - Traffic Count and Preliminary Traffic Analysis in Po Lam Road and Tsui Lam Road	0 days			Calendar Day				19 Jun '19			<b>→</b> 19/6				
	ssue CE No. 27 - Underground Utilities Detection Survey for Working Pit D (CH. A22+75)	O days	2 Aug '19	2 Aug '19	Calendar Day			100%	2 Aug '19	2 Aug '1!		<b>*</b> 2/8				
	lssue CE No. 21 - Temporary Diversion of Uncharted Underground Utilities near Wan O Road at CH. A16+00 (Pit I	O days B)	8 Aug '19	8 Aug '19	Calendar Day			100%	8 Aug '19	8 Aug '19		♦ 8/8				
	Issue CE No. 26 - Change in Cathodic Protection System for Mild Steel Pipes	0 days	16 Aug '19	16 Aug '19	Calendar Day		54	100%	16 Aug '19	16 Aug '1		<b>♦</b> 16/8				
į	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	31 Dec '19	31 Dec '19	Calendar Day			100%	31 Dec '19	31 Dec '1			♦ 31/12			
	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	5 May '20	5 May '20	Calendar Day			100%	5 May '20	5 May '2			<b>♦</b> 5/5			
	Issue CE No. 56 - Excavation of Inspection Pits for the Alternative Alignment (Batch No. 2)	0 days	22 May '20	) 22 May <sup>1</sup> 2	O Calendar Day			100%	22 May '20	22 May '2			♦ 22/5			
	Issue CE No. 64 - Tree Survey at Tsui Lam (Location A and Location B)	0 days	9 Jun '20	9 Jun '20	Calendar Day			100%	9 Jun '20	9 Jun '2			<b>♦</b> 9/6			
	Issue CE No. 62 - Design of Pipe Support in Tsui Lam (Location).	on 0 days	16 Jun '20	16 Jun '20	Calendar Day			100%	16 Jun '20	) 16 Jun '2			<b>♦</b> 16/6			
	Issue CE No. 66 - Excavation of Inspection Pits for the Alternative Alignment (Batch No. 3)	0 days	21 Aug '20	21 Aug '20	Calendar Day			100%	21 Aug '20	) 21 Aug '2			<b>♦</b> 21/8			
	Preliminaries	1255 days	7 Nov '17	14 Apr '21	L Calendar Day			80%	7 Nov '17	N				1		
	Submission and Permit Application	322 days	7 Nov '17	24 Sep '18	Calendar Day			100%	7 Nov '17	24 Sep '1						
	Subcontracting	1122 days	16 Nov '17	7 11 Dec '20	Calendar Day			97%	16 Nov '17	, N						
	Submission and Approval	122 days	16 Nov '17	7 17 Mar '1	8 Calendar Day			100%	16 Nov '17	7 17 Mar '1	1					
	Subcontractor Selection and Subcontracting	1115 days	23 Nov '17	7 11 Dec '20	0 Calendar Day			97%	23 Nov '17	, N						
		S S S S				4725	1000			B0-3						
	Programme No. 11 Task	Milestone	*		et Summary F		tive Milestone	<u> </u>		anual Task	Manual Summary Rollup Manual Summary	Stat-only [	External Tasks Deadline External Milestone • Critical	+	Critical Split	Manual Progress



Date Name
Site Leablishment
Maillolying From Boundary of Tasung (Kvan O Arca 1874 to 1891 days TNO 117 18 Rox 122 HK Working Day 2895 7 Roy 117 NA TO Freith Water Service Reservoir (Fortion 1) 198 days 30 Aug '18 15 Sep '22 HK Working Day 638 525. 30 Aug '18 NA War Po Road 199 Day 2 days 10 Sap '18 14 Jan '22 HK Working Day 658 10 Sap '18 NA Trenchicas Working (Pt 1 to Pt/2) 317 days 22 Jan '21 18 Feb '22 HK Working Day 05 NA NA Construction of Jacking / Receiving Ptts 100 days 22 Jan '21 18 Feb '22 HK Working Day 05 NA NA NA TIME Pipe Jacking Ptt - Ptt 2 27 days 29 May '21 18 Feb '22 HK Working Day 99 0X NA NA Open cut CH A75-20 S (Pt 2) to CH A75-12 10 BB days 30 Aug '18 15 Sep '22 HK Working Day 99 0X NA NA NA TIME Pipe Jacking Ptt - Ptt 2 27 days 29 May '21 18 Feb '22 HK Working Day 99 0X NA NA NA TIME Pipe Jacking Ptt - Ptt 2 18 Ist days 30 Sep '18 15 Sep '22 HK Working Day 47/5 19 Sep '18 NA NA NA TIME Pipe Jacking Ptt - Ptt 2 18 Ist days 30 Sep '18 15 Sep '22 HK Working Day 47/5 19 Sep '18 NA
Open Cut Excavation, Pipe Laying and Reinstatement at: 1198 days 30 Aug '18 15 Sep '22 HK Working Day 638 52% 30 Aug '18 NA  Open Cut Excavation, Pipe Laying and Reinstatement at: 1198 days 30 Aug '18 15 Sep '22 HK Working Day 638 52% 30 Aug '18 NA  Trenchlass Works (Pit 1 to Pit 2) 817 days 22 Jan '21 18 Feb' 22 HK Working Day 0% NA NA  Construction of Jacking / Receiving Pits 100 days 22 Jan '21 28 May '21 HK Working Day 0% NA NA  TMB Pipe Jacking Pit 1-Pit 2 217 days 29 May '21 18 Feb' 22 HK Working Day 99 0% NA NA  Open Cut CHA5+20-5 (Pit 2) to CHA7+12 108 Bdays 30 Aug '18 5 May '22 HK Working Day 99 0% NA NA  Open Cut CHA5+20-5 (Pit 2) to CHA7+12 108 Bdays 30 Sep '18 13 Sep '12 HK Working Day 47% 19 Sep '18 NA  Trenchlass Work at Wan PR Road From Pit A to Pit F 1493 days 7 Nov '17 21 Sep '22 HK Working Day 639 24% 7 Nov '17 NA  Trenchlass Work (Pit A to Pit C) 857 days 12 Aug '19 16 Jul' '22 HK Working Day 7% 7% 7 Nov '17 NA  Trenchlass Work (Pit A to Pit C) 857 days 25 Jan '18 10 Sep '19 Callendar Day 7% 7% 7 Nov '17 NA  Open Cut Excusation, Pipe Laying and Reinstatement at 1283 days 7 Nov '17 8 Mar' '22 HK Working Day 640 54% 7 Nov '17 NA  Open Cut Excusation, Pipe Laying and Reinstatement at 1283 days 7 Nov '17 8 Mar' '22 HK Working Day 640 54% 7 Nov '17 NA  Open Cut Excusation, Pipe Laying and Reinstatement at 1283 days 7 Nov '17 8 Mar' '22 HK Working Day 640 54% 7 Nov '17 NA  Open Cut Excusation, Pipe Laying and Reinstatement at 1283 days 7 Nov '17 8 Mar' '22 HK Working Day 640 54% 7 Nov '17 NA  Open Cut Excusation, Pipe Laying and Reinstatement at 1283 days 7 Nov '17 8 Mar' '22 HK Working Day 640 54% 7 Nov '17 NA  Open Cut Excusation, Pipe Laying and Reinstatement at 1283 days 7 Nov '17 8 Mar' '22 HK Working Day 640 54% 7 Nov '17 NA
Open Cut CH. A3+62 (PI 1)   992 days   10 Sep 18   14 Jan 122   HK Working Oay   86%   10 Sep 18   NA
Trenchless Works (Pit 1 to Pit 2)  317 days  22 Jan '21  18 Feb '22  HK Working Day  0%  NA  NA  TMB Pipe Jacking Pit 1- Pit 2  217 days  29 May '21  18 Feb '22  HK Working Day  99  0%  NA  NA  Open Cut CH.A5+20.5 (Pit 2) to CH.A7+12  1088 days  181 days  19 Sep '18  15 Sep '22  HK Working Day  639  24%  7 Nov '17  NA  Crossing Wan Po Road and Lohas Park Road  1780 days  7 Nov '17  21 Sep '22  Calendar Day  7 Nov '17  8 Mar '22  HK Working Day  640  54%  7 Nov '17  NA  Open Cut Excavation, Pipe Laying and Reinstatement at T283 days  7 Nov '17  8 Mar '22  HK Working Day  640  54%  7 Nov '17  NA  Open Cut Excavation, Pipe Laying and Reinstatement at T283 days  7 Nov '17  8 Mar '22  HK Working Day  640  54%  7 Nov '17  NA
Construction of Jacking / Receiving Pits 100 days 22 Jan '21 28 May '21 HK Working Day 0% NA NA  TMB Pipe Jacking Pit 1-Pit 2 217 days 29 May '21 18 Feb '22 HK Working Day 99 0% NA NA  Open Cut CH.A5=29.5 [Pit 2] to CH.A7=12 1058 days 30 Aug '18 5 May '22 HK Working Day 75% 30 Aug '18 NA  Open Cut CH.A7=12 to CH.A13=79.5 1181 days 19 Sep '18 15 Sep '22 HK Working Day 47% 19 Sep '18 NA  Trenchless Work at Wan Po Road From Pit A to Pit F 1443 days 7 Nov '17 21 Sep '22 HK Working Day 639 24% 7 Nov '17 NA  Trenchless Works (Pit A to Pit C) 867 days 12 Aug '19 16 Jul' '22 HK Working Day 11% 12 Aug '19 NA  Crossing Wan Po Road and Lohas Park Road 1780 days 7 Nov '17 21 Sep '22 Calendar Day 7% 7 Nov '17 NA  Miscellaneous 594 days 25 Jan '18 10 Sep '19 Calendar Day 80% 25 Jan '18 NA  Open Cut Excavation, Pipe Laying and Reinstatement 1283 days 7 Nov '17 8 Mar' '22 HK Working Day 640 54% 7 Nov '17 Nov '17 Na  TKO Landilli Stage 1 and TKO South Waterfront Promenade
TMB Pipe Jacking Pit 1- Pit 2 217 days 29 May '21 18 Feb '22 HK Working Day 99 0% NA NA  Open Cut CH, A5+29,5 (Pit 2) to CH, A7+12 1088 days 30 Aug '18 5 May '22 HK Working Day 75% 30 Aug '18 NA  Open Cut CH, A7+12 to CH, A13+79,5 1181 days 19 Sep '19 15 Sep '22 HK Working Day 47% 19 Sep '18 NA  Trenchless Work at Wan Po Road From Pit A to Pit F 1493 days 7 Nov '17 21 Sep '22 HK Working Day 639 24% 7 Nov '17 NA  Trenchless Works (Pit A to Pit C) 867 days 12 Aug '19 16 Jul '22 HK Working Day 17% 12 Aug '19 NA  Crossing Wan Po Road and Lohas Park Road 1780 days 7 Nov '17 21 Sep '22 Calendar Day 7 Nov '17 NA  Miscellaneous 594 days 25 Jan '18 10 Sep '19 Calendar Day 80% 25 Jan '18 NA  Open Cut Excavation, Pipe Laying and Reinstatement at TKO Landfill Stage 1 and TKO South Waterfront Promenade
Open Cut CH.A5+29.5 (Pit 2) to CH.A7+12 1088 days 30 Aug '18 5 May '22 HK Working Day 73% 30 Aug '18 NA  Open Cut CH.A7+12 to CH.A13+79.5 1181 days 19 Sep '18 15 Sep '22 HK Working Day 47% 19 Sep '18 NA  Trenchless Work at Wan Po Road From Pit A to Pit F 1493 days 7 Nov '17 21 Sep '22 HK Working Day 639 24% 7 Nov '17 NA  Trenchless Works (Pit A to Pit C) 867 days 12 Aug '19 16 Jul' 22 HK Working Day 17% 12 Aug '19 NA  Crossing Wan Po Road and Lohas Park Road 1780 days 7 Nov '17 21 Sep '22 Calendar Day 7% 7 Nov '17 NA  Miscellaneous 594 days 25 Jan '18 10 Sep '19 Calendar Day 80% 25 Jan '18 NA  Open Cut Excavation, Pipe Laying and Reinstatement at TXO Landfill Stage 1 and TKO South Waterfront Promenade
Open Cut CH,A7+12 to CH,A13+79,5  1181 days  19 Sep '18  15 Sep '22 HK Working Day  639  24%  7 Nov '17  NA  Trenchless Works (Pit A to Pit C)  867 days  12 Aug '19  16 Jul '22 HK Working Day  17%  12 Aug '19  NA  Crossing Wan Po Road and Lohias Park Road  1780 days  7 Nov '17  21 Sep '22 Calendar Day  7 Nov '17  Miscellaneous  994 days  25 Jan '18  10 Sep '18  NA  Open Cut Excavation, Pipe Laying and Reinstatement at TKO Landfill Stage 1 and TKO South Waterfront Promenade  180 days  7 Nov '17  8 Mar '22 HK Working Day  640  54%  7 Nov '17  NA  640  7 Nov '17  NA
Trenchless Works (Pit A to Pit C)  Trenchless (Pit A to Pit C)  Trenc
Trenchless Works (Pit A to Pit C)  867 days  12 Aug '19 16 Jul '22 HK Working Day  7% 7 Nov '17 NA  Crossing Wan Po Road and Lohas Park Road  1780 days  7 Nov '17 21 Sep '22 Calendar Day  7% 7 Nov '17 NA  Miscellaneous  594 days  25 Jan '18 10 Sep '19 Calendar Day  80% 25 Jan '18 NA  Open Cut Excavation, Pipe Laying and Reinstatement at TKO Landfill Stage 1 and TKO South Waterfront Promenade
Crossing Wan Po Road and Lohas Park Road  7 Nov '17  1 Sep '22  Calendar Day  7 Nov '17  NA  Miscellaneous  594 days  25 Jan '18  10 Sep '19  Calendar Day  80%  25 Jan '18  NA  Open Cut Excavation, Pipe Laying and Reinstatement at TKO Landfill Stage 1 and TKO South Waterfront Promenade  1283 days  7 Nov '17  8 Mar '22  HK Working Day  640  546  7 Nov '17  NA  NA  NA  NA  NA  NA  NA  NA  NA  N
Miscellaneous  594 days  25 Jan '18 10 Sep '19 Calendar Day  Open Cut Excavation, Pipe Laying and Reinstatement at TKO Landfill Stage 1 and TKO South Waterfront Promenade  7 Nov '17 8 Mar '22 HK Working Day  640 54% 7 Nov '17 NA  TKO Landfill Stage 1 and TKO South Waterfront Promenade
Open Cut Excavation, Pipe Laying and Reinstatement at 1283 days 7 Nov '17 8 Mar '22 HK Working Day 640 54% 7 Nov '17 NA TKO Landfill Stage 1 and TKO South Waterfront Promenade
TKO Landfill Stage 1 and TKO South Waterfront Promenade
77 20 Apr 170 No.
Burned Pipe, Exposed Pipe, Trenchless Works From Loi 768 days 20 Apr '20 18 Nov '22 HK Working Day 641 7% 20 Apr '20 NA Avenue to Po Yap Road Roundabout
Trenchless Work from Po Yap Road Roundabout to KMB 590 days 18 Nov '19 13 Nov '21 HK Working Day 642 37% 18 Nov '19 NA Depot (Pit K to Pit P)
Trenchless Work from KMB Depot to Po Hong Road (Pit P 515 days 3 Aug '20 29 Apr '22 HK Working Day 642 25% 3 Aug '20 NA to Pit R)
Open Trench from Pit R to Pit S & Trenchless Works from 524 days 3 Aug '20 12 May '22 HK Working Day 642 1% 3 Aug '20 NA Pit S to Pit T
Open Cut Excavation, Pipe Laying and Reinstatement at 1486 days 7 Nov '17 12 Nov '22 HK Working Day 6% 7 Nov '17 NA Abandoned Road / Mau Wu Tsai Village / Po Lam Road North
Open Trench Pipelaying at Abandoned Road & Mau 513 days 30 Nov '20 25 Aug '22 HK Working Day 642 0% NA NA Wu Tsai Village
Trenchless Work at Mau Wu Tsui Village 412 days 16 Dec '20 13 May '22 HK Working Day 642 0% NA NA
Inspection Pit Excavation 16 days 16 Dec '20 6 Jan '21 HK Working Day 0% NA NA
Construction of Jacking / Receiving Pits 62 days 5 Jan '21 20 Mar '21 HK Working Day 0% NA NA
Hand Shield Pipe Jacking from Pit U to Pit V (~30m) 241 days 19 Mar '21 10 Jan '22 HK Working Day 0% NA NA
Hand Shield Pipe Jacking from Pit W to Pit X ("85m) 336 days 22 Mar '21 13 May '22 HK Working Day 0% NA NA
Open Trench Pipe Laying at Po Lam Road North 1314 days 7 Nov '17 14 Apr '22 HK Working Day 643 0% NA NA
Water Main Structure and Associated Pipe Support 653 days 5 May '20 16 Jul '22 HK Working Day 643 19% 5 May '20 NA across the Natural Stream Course (CH. HB0+00 ~ CH. HB0+94)

Contract Date Starting Date Access Date of Portion A, B, C, D, E, F and G	2420 days 0 days	7 Nov '17 22 Jun '24 Calendar Day		0% 7 Nov '17 NA	1.0		2019 18 Qtr 1, 2019 Qtr 2, 20 Dec Jan Feb Mar Apr Ma												
Starting Date Access Date of Portion A, B, C, D, E, F and G	0 days	7 N 147 7 N 147 C-1									1 1 1								
Access Date of Portion A, B, C, D, E, F and G		7 Nov '17 7 Nov '17 Calendar Day	36,28,29F	100% 7 Nov '17 7 Nov '17 ♦ 7/1															
	0 days	16 Nov '17 16 Nov '17 Calendar Day		100% 16 Nov '17 16 Nov '17 • 16															
Access Date of Portion H	0 days	16 Nov '17 16 Nov '17 Calendar Day	59,32,40,4	100% 16 Nov '17 16 Nov '17 • 16	<i>n</i> h														
	0 days	10 Aug '19 10 Aug '19 Calendar Day	582	100% 10 Aug '19 10 Aug '19				<b>♦ 10/8</b>											
Completion Date (Contract)	0 days	18 May '21 18 May '21 Calendar Day		100% 18 May '21 18 May '21									<b>♦ 18/5</b>		A 110				
Revised Completion Date (Including EOT - CE01 & CE23)	0 days	11 Feb '22 11 Feb '22 Calendar Day		100% 11 Feb '22 11 Feb '22											♦ 11/2			<b>23/6</b>	
Planned Completion	0 days	23 Jun '23 23 Jun '23 Calendar Day 1	0	0% NA NA														¥ 25/0	
Defect Date	0 days	22 Jun '24 22 Jun '24 Calendar Day 1	0FS+365 days	0% NA NA														_	
fainlaying In Tseung Kwan O	2055 days	7 Nov '17 23 Jun '23 Calendar Day	9FS+365 d	35% 7 Nov '17 NA															
Issue CE No. 01 - Change in Pressure Rating of Watermain, Valves and Fittings from PN16 to PN25	0 days	12 Jul '18 12 Jul '18 Calendar Day	37	100% 12 Jul '18 12 Jul '18		<b>♦</b> 12/7													
Issue CE No. 04 - Feasibility Study of Realignment of Pipeline between Po Hung Road and TKO Freshwater PSR	e 0 days	23 Aug '18 23 Aug '18 Calendar Day		100% 23 Aug '18 23 Aug '18		<b>♦ 23/8</b>													
Issue CE No. 05 - Feasibility Study of Realignment of Pipeline at Tseung Kwan O Stage 1 Landfill	e O days	23 Aug '18 23 Aug '18 Calendar Day		100% 23 Aug '18 23 Aug '18		<b>♦ 23/8</b>													
Issue CE No. 10 - Contractor Design of The Realignment	0 days	28 Feb '19 28 Feb '19 Calendar Day		100% 28 Feb '19 28 Feb '19			<b>♦ 28/2</b>												
	0 days	19 Jun '19 19 Jun '19 Calendar Day		100% 19 Jun '19 19 Jun '19				<b>4</b> 19/6											
Analysis in Po Lam Road and Tsui Lam Road  Issue CE No. 27 - Underground Utilities Detection Survey for	r O days	2 Aug '19 2 Aug '19 Calendar Day		100% 2 Aug '19 2 Aug '19				<b>→ 2/8</b>											
Working Pit D (CH. A22+75)  Issue CE No. 21 - Temporary Diversion of Uncharted	0 days	8 Aug '19 8 Aug '19 Calendar Day		100% 8 Aug '19 8 Aug '19				<b>♦ 8/8</b>											
Underground Utilities near Wan O Road at CH. A16+00 (Pit B Issue CE No. 26 - Change in Cathodic Protection System for	В)	16 Aug '19 16 Aug '19 Calendar Day	54	100% 16 Aug '19 16 Aug '19				<b>♦</b> 16/8											
Mild Steel Pipes	0 days	31 Dec '19 31 Dec '19 Calendar Day		100% 31 Dec '19 31 Dec '19					<b>♦</b> 31/12										
Alignment by Trenchless Method in the Wan Po Road J/O Lohas Park Road				100% 5 May '20 5 May '20						♦ 5/5									
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	5 May '20 5 May '20 Calendar Day		100% 5 Way 20 5 Way 20															
Issue CE No. 56 - Excavation of Inspection Pits for the Alternative Alignment (Batch No. 2)	0 days	22 May '20 22 May '20 Calendar Day		100% 22 May '20 22 May '20						<b>*</b> 22/5									
Issue CE No. 64 - Tree Survey at Tsui Lam (Location A and Location B)	O days	9 Jun '20 9 Jun '20 Calendar Day		100% 9 Jun '20 9 Jun '20						<b>♦</b> 9/6									# 1
Issue CE No. 62 - Design of Pipe Support in Tsui Lam (Locatio B) .	ion 0 days	16 Jun '20 16 Jun '20 Calendar Day		100% 16 Jun '20 16 Jun '20						<b>♦ 16/6</b>									
Issue CE No. 66 - Excavation of Inspection Pits for the Alternative Alignment (Batch No. 3)	0 days	21 Aug '20 21 Aug '20 Calendar Day		100% 21 Aug '20 21 Aug '20							<b>→</b> 21/8								
Preliminaries	1255 days	7 Nov '17 14 Apr '21 Calendar Day 7 Nov '17 24 Sep '18 Calendar Day		80% 7 Nov '17 NA 100% 7 Nov '17 24 Sep '18															
Submission and Permit Application		7 Nov 17 24 Sep 18 Calendar Day	2	100% 7 Nov '17 11 Dec '17															
Submission of Safety Plan	35 days	7 Nov '17 21 Dec '17 Calendar Day 2		100% 7 Nov '17 21 Dec '17															
Submission of Site Management Plan and Trip Ticket		4 Dec '17 17 Dec '17 Calendar Day		100% 4 Dec '17 17 Dec '17															
Submission of Key People	14 days	7 Nov '17 6 Dec '17 Calendar Day		100% 7 Nov '17 6 Dec '17															
Submission of Subcontractor Management Plan	30 days	7 Nov '17 13 Nov '17 Calendar Day		100% 7 Nov '17 13 Nov '17															
Submission of First Programme	7 days	1 Feb '18 27 Mar '18 Calendar Day		100% 1 Feb '18 27 Mar '18															
Submission of Pipe Material (PN16)	54 days			100% 28 Mar '18 11 Aug '18															
Approval of Pipe material submission (PN16)	137 days	28 Mar '18 11 Aug '18 Calendar Day 9 May '18 18 May '18 Calendar Day		100% 28 War 18 11 Aug 18 100% 9 May '18 18 May '18															
Appointment of Environmental Team	10 days			100% 29 May '18 14 Jun '18															
Environmental Baseline Monitoring	17 days	29 May '18 14 Jun '18 Calendar Day		100% 29 Way 18 14 Juli 18															
Submission of Environmental Management Plan	45 days	7 Nov '17 21 Dec '17 Calendar Day  12 Jul '18 24 Sep '18 Calendar Day		100% 7 Nov 17 21 Bec 17															
Submission & Approval of CE01 Pipe Material PN25		16 Nov '17 11 Dec '20 Calendar Day		97% 16 Nov '17 NA								1							
Subcontracting	1122 days	16 Nov '17 17 Mar '18 Calendar Day		100% 16 Nov'17 17 Mar'18															
Submission and Approval		16 Nov '17 9 Dec '17 Calendar Day	4 41	100% 16 Nov '17 9 Dec '17															
		16 Nov 17 9 Dec 17 Calendar Day  10 Dec 17 20 Jan 18 Calendar Day		100% 10 Nov 17 9 Dec 17															
Approval of sub-contractor selection procedure	42 days	21 Jan '18 3 Feb '18 Calendar Day		100% 10 Dec 17 20 Jan 18															
Submission of Sub-contractor Condition	14 days	4 Feb '18 17 Mar '18 Calendar Day		100% 4 Feb '18 17 Mar '18															
Approval of Sub-contractor Condition	42 days	16 Nov '17 29 Jan '18 Calendar Day		100% 16 Nov '17 29 Jan '18															
Submission of Supplier Selection Procedure	75 days			100% 30 Jan '18 12 Mar '18															
Approval of Supplier Selection Procedure	42 days	30 Jan '18 12 Mar '18 Calendar Day	44 61									1							
Subcontractor Selection and Subcontracting	1115 days	23 Nov '17 11 Dec '20 Calendar Day		97% 23 Nov 17 NA															
Traffic Consultant for Investigation Works	30 days	23 Nov '17 22 Dec '17 Calendar Day		100% 23 Nov '17 22 Dec '17															
Consultancy: Landscape for Investigation works	30 days	5 Jan '18 3 Feb '18 Calendar Day	4 228	100% 5 Jan '18 3 Feb '18															
Consultancy: Traffic consultant	55 days	21 Feb '18 16 Apr '18 Calendar Day		100% 21 Feb '18 16 Apr '18															
Environmental Team	9 days	16 Apr '18 24 Apr '18 Calendar Day	34	100% 16 Apr '18 24 Apr '18															
Temporary site office, hoarding & project sign board	ard 75 days	22 Mar '18 4 Jun '18 Calendar Day	43,41 58FS+13 d	100% 22 Mar '18 4 Jun '18															
Consultancy: Independent Checking Engineer	12 days	14 May '18 25 May '18 Calendar Day	41FS+10 days,43	100% 14 May '18 25 May '18															
Survey Services	23 days	26 Sep '18 18 Oct '18 Calendar Day		100% 26 Sep '18 18 Oct '18															
ing Programme No. 11 Task	Milestone	♦ Project Summary	Inactive Milestone	Manual Task	Manu Manu	d Summary Rollup	Start-only Finish-only	C 3	External Tasks External Milestone		Deadline Critical	+	Critical Split Progress	*******	Manu	4 Progress —			

Project: Mainlaying in Tseung Kwan O Successors % Complete Actual Start Actual Finish Task Name Finish Task Calendar 100% 30 May '19 19 Aug '19 Sacrificial Anode Cathodic Protection (SACP) 82 days 30 May '19 19 Aug '19 Calendar Day 18 100% 6 Sep '18 17 Oct '18 55 Landscaping Works 42 days 6 Sep '18 17 Oct '18 Calendar Day 41,43 96% 18 Mar '18 18 Mar '18 11 Dec '20 Calendar Day 43,41 1000 days Miscellaneous 57 220 days 2 Jan '18 9 Aug '18 Calendar Day 100% 2 Jan '18 9 Aug '18 Site Establishment 100% 12 May '18 9 Aug '18 90 days 12 May '18 9 Aug '18 Calendar Day 51FS+13 days Setting up PM's and Contractor Accommodation 100% 2 Jan '18 2 Mar '18 Initial Survey of the Site 60 days 2 Ian '18 2 Mar '18 Calendar Day 4 54% 7 Apr '18 1104 days 7 Apr '18 14 Apr '21 Calendar Day Procurement of Major Material 100% 7 Apr '18 13 Apr '18 7 Apr '18 13 Apr '18 Calendar Day 33SS+7 days,45 62 Preparation of Purchase Order 7 days 62 14 Apr '18 17 Jun '18 Calendar Day 61 100% 14 Apr '18 17 Jun '18 65 days 1st Batch of Material Delivery 100% 29 Jun '18 29 Jun '18 63 0 days 29 Jun '18 29 Jun '18 Calendar Day 62 1st Batch of Material Delivery on site 30% 30 Jun '18 30 Jun '18 14 Apr '21 Calendar Day 63 Material Delivery by Batches 1020 days 100% 25 Sep '18 1 Oct '18 25 Sep '18 1 Oct '18 Calendar Day 37 Preparation of CEO1 Purchase Order 7 days 100% 2 Oct '18 30 Dec '18 90 days 2 Oct '18 30 Dec '18 Calendar Day 65 1st Batch of CE01 Material Delivery 22 Jan '19 22 Jan '19 Calendar Day 66 100% 22 Jan '19 22 Jan '19 1st Batch of CE01 Material Delivery on site SCAP Material Submission and Approval 261 days 20 Aug '19 6 May '20 Calendar Day 54 100% 20 Aug '19 6 May '20 100% 22 Jun '20 14 Oct '20 22 Jun '20 14 Oct '20 Calendar Day 68 SCAP Purchase Order & Material Delivery 115 days Open Cut Excavation, Pipe Laying and Reinstatement at 1198 days 52% 30 Aug '18 30 Aug '18 15 Sep '22 HK Working Day Wan Po Road 10 Sep '18 14 Jan '22 HK Working Day Open Cut CH.A0+00 to CH.A3+62 (Pit 1) 20 Nov '21 14 Jan '22 HK Working Day 609 CH. A0+00 - 0+14 OC CH. A0+14 - 0+50 OC 156 days 23 May '19 26 Noy '19 HK Working Day 100% 23 May '19 26 Nov '19 100% 10 Sep '18 31 Oct '18 CH A0+50 - 1+50 OC 42 days 10 Sep '18 31 Oct '18 HK Working Day 100% 1 Nov '18 4 Jan '19 53 days 1 Nov '18 4 Jan '19 HK Working Day CH. A1+50 - 1+60 OC 5 Jan '19 20 May '19 HK Working Day 100% 5 Jan '19 20 May '19 CH. A1+60 - 2+14 OC 107 days 40 days 1 Sep '20 19 Oct '20 HK Working Day 90% 1 Sep '20 90% 27 Oct '20 CH. A2+30 - 2+46 OC 30 days 27 Oct '20 30 Nov '20 HK Working Day 10 Nov '20 14 Dec '20 HK Working Day CH. A2+46 - 2+62 OC 30 days 0% NA 15 Dec '20 21 Jan '21 HK Working Day 80 CH. A2+62 - 2+98 OC 30 days NA 82 22 Jan '21 9 Jun '21 HK Working Day 81 8555 0% NA CH. A2+98 - 3+62 OC with DN150 DAV Construction of Jacking / Receiving Pits 100 days 22 Jan '21 28 May '21 HK Working Day 22 Jan '21 24 Mar '21 HK Working Day 82SS CH. A3+62 - Pit 1 50 days 50 days 25 Mar '21 28 May '21 HK Working Day 85 0% NA CH. A5+29.5 - Pit 2 NA TMB Pipe Jacking Pit 1- Pit 2 29 May '21 18 Feb '22 HK Working Day 29 May '21 26 Jun '21 HK Working Day 85,86 0% TBM Jacking Sleeve Pipe (L=180m, 4.5m/day) 40 days 28 Jun '21 13 Aug '21 HK Working Day 88 NA 14 Aug '21 20 Aug '21 HK Working Day 89 Remove Setup including Thrust Wall 6 days 0% NA NA 21 Aug '21 27 Aug '21 HK Working Day 90 6 days Setup Guard Rail 28 Aug '21 19 Nov '21 HK Working Day 91 0% NA NA Pipe Laying inside Sleeve Pipe (8m pipe, 3 days per. 69 days 0% Formwork & Setup for Grouting the Gap between 3 days 20 Nov '21 23 Nov '21 HK Working Day 92 Pipe and Sleeve 24 Nov '21 30 Nov '21 HK Working Day 93 95,96 0% NA NA 6 days Grouting Works (30m/day) Construction of Combined Inspection and Washout 45 days 1 Dec '21 25 Jan '22 HK Working Day 94 0% NA Chamber Type I at Pit 1 0% NΔ 1 Dec '21 25 Jan '22 HK Working Day 94 Construction of Combined Inspection and Washout 45 days 0% 26 Jan '22 18 Feb '22 HK Working Day 95,96 Backfill, Remove ELS and Road Reinstatement at 18 days CH. A5+29.5 - 5+88 OC 60 days 19 Feb '22 5 May '22 HK Working Day 100.87 NA 100 9 Dec '20 4 May '21 HK Working Day 101 CH A5+88 - 6+12 OC + DN300 Washout Pump Pit 115 days 10% 4 Nov '20 4 Nov '20 8 Dec '20 HK Working Day CH. A6+12 - 6+20 OC 30 days 22 Apr '20 8 Dec '20 HK Working Day 103 116 80% 22 Apr '20 CH. A6+20 - 6+54 OC 191 days CH. A6+54 - 6+70 OC + Handshield 378 days 14 Jan '19 26 Apr '20 HK Working Day 102 100% 14 Jan '19 26 Apr '20 ♦ 20/1 100% 20 Jan '20 20 Jan '20 Issue CE No. 22 - Instruction to Change in Mainlaying 0 days 20 Jan '20 20 Jan '20 Calendar Day Method t Wan Po Road between CH.6+54 and A6+61 29 Jun '20 29 Jun '20 Calendar Day 100% 29 Jun '20 29 Jun '20 Issue CE No. 25 - Unforeseen Underground Conditions during Trench Excavation at Wan Po Road between CH. A6+68 and CH. A6+88 **♦ 18/9** 100% 18 Sep '18 18 Sep '18 EWN No. 14 (covered by CNE No. 8 & CE No.06) - 0 days 18 Sep '18 18 Sep '18 Calendar Day Unforeseen Underground Condition During Trench Excavation for Mainlaying at Wan Po Road Between CH.A6+90 and CH.A7+10 30 Aug '18 12 Jan '19 HK Working Day 100% 30 Aug '18 12 Jan '19 111 days CH. A6+70 - 7+12 OC Critical Split Manual Progress Manual Summary Rollup Inactive Milestone Manual Task Working Programme No. 11 Manual Summers Firish-only

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CH. (13)-140- 13-140 CH & Consection from Open Cut 1 drugs   20 Jun 22   6 Jul 72   9K Working Day 151   130   0% NA NA NA Trenditive Notes (14) (14) (14) (14) (14) (14) (14) (14)	CH. A.S. And C. C. C. Commentation of Tracking PLA.  Trenchins Visionia
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Translative Works (PIP A 10-00)C)	Transitions Works (PF AL PP RC)    167 Aug 12   16
## Expected CE No. 52 - Relocation of Working pits for 0 days	Especial CE No. 52 - Relocation of Working pils for Odays 30 Nov '20 Oleredar Day 0% NA MA NA Procedules Works in War Po Road (PA A or PA C) 45 days 15 km '20 Oleredar Day 17 km '20 Oleredar Day 18 working Day 32% 12 Aug '19 NA Permoval of Existing Pilanter for Jacking Pilanter for Jacking Pilanter for Jacking Pilanter for Jacking Pilanter for Lacking Pilanter for Lacking Pilanter for Lacking Pilanter for Jacking Pilanter for Jacking Pilanter for Jacking Pilanter for Lacking Pilanter for Code Lacking Pilanter for
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Jacking Pit A 139 days 17 Jul 20 31 Dec 20 HK Working Day 136 14% 17 Jul 20 NA 15USU C EN 0. 32 - Additional Ground Treatment Works in Pit B in Warn Po Good and ear Wan R Road And area Wan R Road And And And And And And And And And An	Jacking Pit A   139 days   17 Jul   20   31 Dec   20   14K Working Day   136   14K   17 Jul   20   NA
Sissue CE No. 32 - Additional Ground Treatment Works in Pit B in Wan Po Road near Wan O Road	Siste CE R0. 32 - Additional Ground Treatment Works in Rt B in Wan Po Road near Wan O Road
Works in Pit B in Wan Po Road near Wan O Road  Jacking / Receiving Pit B with additional ground (445 days) 12 Aug '19 6 Feb' '21 HK Working Day 154 21/5 12 Aug '19 NA  Receiving Pit C 298 days 29 Nov '19 30 Nov '20 HK Working Day 54/6 29 Nov '19 NA  TBM Pipe Jacking (Pit A to Pit B) 293 days 15 Jul '21 11 Jul '22 HK Working Day 0% NA NA  Establishment at Pit A 24 days 15 Jul '21 11 Aug '21 HK Working Day 165 143,150 0% NA NA  Jacking DN1500 Precast Concrete Sleever Pipe (Pit A 54 days - Pit B) [L-240m; 45-7m/day)  Remove setup including thrust wall at Pit A 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 0% NA NA  Setup for Pipe Laying inside jacking Pit B 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 146 0% NA NA  DN11200 MS Pipe Laying inside jacking pipe (240m) 120 days 25 Oct '21 19 Mar' '22 HK Working Day 145 147 0% NA NA  Formwork & Setup for Grouting the gap between 3 days 21 Mar' '22 23 Mar' '22 14 KWorking Day 147 162,149 0% NA NA  Formwork & Setup for Grouting the gap between 3 days 24 Mar' '22 1 Apr' '22 HK Working Day 147 162,149 0% NA NA  Pipe Laying bends and thrust block construction 30 days 2 Apr' '22 13 May' '22 HK Working Day 148 151 0% NA NA  Espected CE No. XX Special Type of Chamber for 0 days 11 Aug' '21 1 Laug' '21 Cellendar Day 142 151 0/6 NA NA NA Interface between Tenneds Works and Open Out	Works in Pit B in Wan Po Road near Wan O Road  Jacking / Receiving Pit B with additional ground 445 days 12 Aug '19 6 Feb '21 HK Working Day 154 21% 12 Aug '19 NA  Receiving Pit C 298 days 29 Nov '19 30 Nov '20 HK Working Day 54% 29 Nov '19 NA  TBM Pipe Jacking (Pit A to Pit B) 293 days 19 Jul '21 11 Jul '22 HK Working Day 0% NA NA  Establishment at Pit A 24 days 15 Jul '21 11 Aug '21 HK Working Day 156 143,150 0% NA NA  Jacking ON1600 Precast Concrete Sleeve Pipe (Pit A 54 days 12 Aug '21 16 Oct '21 HK Working Day 142,156 144,145 0% NA NA  - Pit B) (L-240m; 36-3m/day)  Remove setup including thrust wall at Pit A 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 0% NA NA  Setup for Pipe Laying inside jacking pipe (240m) 120 days 25 Oct '21 19 Mar '22 HK Working Day 145 147 0% NA NA  [1
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Jacking DN1600 Precast Concrete Sleeve Pipe (Pit A 54 days - Pit B) (L=240m; 4.5m/day)  Remove setup including thrust wall at Pit A 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 0% NA NA Setup for Pipe Laying inside jacking Pit B 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 146 0% NA NA DN1200 MS Pipe Laying inside jacking pipe (240m) 120 days 25 Oct '21 19 Mar '22 19 Mar '22 19 Mar '22 23 Mar '22 19 Mar '22 23 Mar '22 19 Mar '22 23 Mar '22 14 KWorking Day 145 148 0% NA NA PA Pipe Laying bends and thrust block construction 30 days 2 Apr '22 1 Apr '22 1 Apr '22 13 May '22 14 KWorking Day 148 151 0% NA NA PA Pipe Laying bends and thrust block construction 30 days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA	Jacking DNI600 Precast Concrete Sleeve Pipe (Pit A 54 days Pit 8) (L=240m; 4.5m/day)  Remove setup including thrust wall at Pit A 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 0% NA NA Setup for Pipe Laying inside jacking Pit B 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 0% NA NA DNI1200 MS Pipe Laying inside jacking pipe (240m) 120 days (2 days per 4m)(Only Internat Coating)  Formwork & Setup for Grouting the gap between 3 days Pipe and Sleeve Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148  Expected CE No. XX - Special Type of Chamber for O days Interface between Trencless Works and Open Cut
- Pit B) (L-240m; 4.5m/day)  Remove setup including thrust wall at Pit A 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 0% NA NA  Setup for Pipe Laying inside jacking pit B 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 146 0% NA NA  DN1200 MS Pipe Laying inside jacking pipe (240m) 120 days (2 days per 4m)(Only Internat Coating)  Formwork & Setup for Grouting the gap between 3 days 21 Mar '22 23 Mar '22 HK Working Day 145 148 0% NA NA  pipe and Sieeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA  Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA  Expected CE No. XX - Special Type of Chamber for Interface between Tencless Works and Open Cut	- Pit B) (L-240m; 4.5m/day)  Remove setup including thrust wall at Pit A 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 0% NA NA  Setup for Pipe Laying inside jacking pipe (240m) 120 days 25 Oct '21 19 Mar '22 HK Working Day 145 147 0% NA NA  DN1200 MS Pipe Laying inside jacking pipe (240m) 120 days 25 Oct '21 19 Mar '22 HK Working Day 145 147 0% NA NA  (2 days per 4m)(Only Internat Coating)  Formwork & Setup for Grouting the gap between 3 days 21 Mar '22 23 Mar '22 HK Working Day 146 148 0% NA NA  pipe and Sleeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA  Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA  Expected CE No. XX - Special Type of Chamber for O days Interface between Trencless Works and Open Cut
Setup for Pipe Laying inside jacking Pit B 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 146 0% NA NA  DN1200 MS Pipe Laying inside jacking pipe (240m) 120 days 25 Oct '21 19 Mar '22 HK Working Day 145 147 0% NA NA  [2 days per 4m](Only Internat Coating)  Formwork & Setup for Grouting the gap between 3 days 21 Mar '22 23 Mar '22 HK Working Day 146 148 0% NA NA  pipe and Sleeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA  Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA  Expected CE No. XX - Special Type of Chamber for 10 days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA  interface between Trencless Works and Open Cut	Setup for Pipe Laying inside jacking Pit B 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 146 0% NA NA  DN1200 MS Pipe Laying inside jacking pipe (240m) 120 days 25 Oct '21 19 Mar '22 HK Working Day 145 147 0% NA NA  [2 days per 4m](Only Internat Coating)  Formwork & Setup for Grouting the gap between 3 days 21 Mar '22 23 Mar '22 HK Working Day 146 148 0% NA NA  pipe and Sleeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA  Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA  Expected CE No. XX - Special Type of Chamber for 0 days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA  interface between Trencless Works and Open Cut
Setup for Pipe Laying inside jacking Pit 8 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 146 0% NA NA  DN1200 MS Pipe Laying inside jacking pipe (240m) 120 days (25 Oct '21 19 Mar '22 HK Working Day 145 147 0% NA NA  (2 days per 4m)(Only Internat Coating)  Formwork & Setup for Grouting the gap between 3 days 21 Mar '22 23 Mar '22 HK Working Day 146 148 0% NA NA  pipe and Sleeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA  Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA  Expected CE No. XX - Special Type of Chamber for Odays 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA  inside Jacking Pit A Calendar Day 142 151 0% NA NA  Expected CE No. XX - Special Type of Chamber for Odays 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA  interface between Trencless Works and Open Cut	Setup for Pipe Laying inside jacking Pit B 6 days 18 Oct '21 23 Oct '21 HK Working Day 143 146 0% NA NA  DN1200 MS Pipe Laying inside jacking pipe (240m) 120 days (2 days per 4m)(Only Internat Coating)  Formwork & Setup for Grouting the gap between 3 days 21 Mar '22 23 Mar '22 HK Working Day 146 148 0% NA NA pipe and Sleeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA inside Jacking Pit A  Expected CE No. XX - Special Type of Chamber for 0 days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA interface between Trencless Works and Open Cut
DN1200 MS Pipe Laying Inside jacking pipe (240m) 120 days 25 Oct '21 19 Mar '22 HK Working Day 145 147 0% NA NA (2 days per 4m)(Only Internat Coating)  Formwork & Setup for Grouting the gap between 3 days 21 Mar '22 23 Mar '22 HK Working Day 146 148 0% NA NA pipe and Sleeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA inside Jacking Pit A  Expected CE No. XX - Special Type of Chamber for 0 days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA Interface between Trencless Works and Open Cut	DN1200 MS Pipe Laying inside jacking pipe (240m) 120 days 25 Oct '21 19 Mar '22 HK Working Day 145 147 0% NA NA (2 days per 4m)(Only Internat Coating)  Formwork & Setup for Grouting the gap between 3 days 21 Mar '22 23 Mar '22 HK Working Day 146 148 0% NA NA pipe and Sleeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA inside Jacking Pit A  Expected CE No. XX - Special Type of Chamber for O days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA Interface between Trencless Works and Open Cut
[2 days per 4m](Only Internat Coating)  Formwork & Setup for Grouting the gap between 3 days 21 Mar '22 23 Mar '22 HK Working Day 146 148 0% NA NA pipe and Sleeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA inside Jacking Pit A  Expected CE No. XX - Special Type of Chamber for 0 days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA interface between Trencless Works and Open Cut	[2 days per 4m](Only Internat Coating)  Formwork & Setup for Grouting the gap between 3 days 21 Mar '22 23 Mar '22 HK Working Day 146 148 0% NA NA pipe and Sleeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA inside Jacking Pit A  Expected CE No. XX - Special Type of Chamber for Odays 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA Interface between Trencless Works and Open Cut
pipe and Sleeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA  Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA  inside Jacking Pit A  Expected CE No. XX - Special Type of Chamber for 0 days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA  interface between Trencless Works and Open Cut	pipe and Sleeve  Grouting Works (30 meter/day) 8 days 24 Mar '22 1 Apr '22 HK Working Day 147 162,149 0% NA NA  Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA  inside Jacking Pit A  Expected CE No. XX - Special Type of Chamber for 0 days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA  interface between Trencless Works and Open Cut
Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA inside Jacking Pit A  Expected CE No. XX - Special Type of Chamber for 0 days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA interface between Trencless Works and Open Cut	Pipe Laying bends and thrust block construction 30 days 2 Apr '22 13 May '22 HK Working Day 148 151 0% NA NA inside Jacking Pit A  Expected CE No. XX - Special Type of Chamber for 0 days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA interface between Trencless Works and Open Cut
inside Jacking Pit A  Expected CE No. XX - Special Type of Chamber for 0 days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA interface between Trencless Works and Open Cut	inside Jacking Pit A  So Expected CE No. XX - Special Type of Chamber for O days 11 Aug '21 11 Aug '21 Calendar Day 142 151 0% NA NA interface between Trencless Works and Open Cut
interface between Trencless Works and Open Cut	interface between Trencless Works and Open Cut

Project: Mainlaying in Tseung Kwan O Task Calendar Successors % Complete Actual Start Actual Finish Task Name Duration Start Finish Predecessors 152,131 151 14 May '22 18 Jun '22 HK Working Day 149,150 Construction of Thrust Block between Trenchless 30 days Works and Open Cut Work near Jacking Pit A 152 20 Jun '22 11 Jul '22 HK Working Day 151 Remove FLS and Reinstatement of Road works and 18 days 8 Feb '21 16 Jul '22 HK Working Day 153 TBM Pipe Jacking (Pit B to Pit C) 422 days 8 Feb '21 10 Mar '21 HK Working Day 139 155,161 0% Establishment at Pit B 24 days 155 11 Mar '21 7 Jul '21 HK Working Day 154 Jacking DN1600 Precast Concrete Sleeve Pipe From 94 days Pit B to Pit C (L=326m; 3.5m/day) 143,157,1 NA 156 8 Jul '21 14 Jul '21 HK Working Day 155 0% Remove setup Including Thrust Wall at Pit B 6 days 157 15 Jul '21 21 Jul '21 HK Working Day 156 158 Setup for Pipe Laying inside jacking Pit B 6 days 158 22 Jul '21 22 Mar '22 HK Working Day 157 0% NA DN1200 MS Pipe Laying inside jacking pipe (326m) 200 days (2 days per 4m)(Only Internal Coating) 159 23 Mar '22 25 Mar '22 HK Working Day 158 Formwork & Setup for Grouting the gap between 3 days 11 days 26 Mar '22 8 Apr '22 HK Working Day 159 162.191 0% NA Grouting Works (30 meter/day) 10/3 161 10 Mar '21 10 Mar '21 Calendar Day 154 162 0% NA Expected CE No. XX - Special Type of Chamber for 0 days interface between Trencless Works and Open Cut Work near Jacking/Receiving Pit B 162 9 Apr '22 24 Jun '22 HK Working Day 148,160,161,185 163 Construction of Special Chamber at Jacking / 60 days 25 Jun '22 16 Jul '22 HK Working Day 162 0% NA Remove ELS including extracting sheet piles at Pit B 18 days & Reinstatement of Road works and planter · 27/9 Issue CE No. 24 - Ground Investigation for Working Pit 0 days 27 Sep '19 27 Sep '19 Calendar Day 100% 27 Sep '19 27 Sep '19 F. F and Trenchless Works across MT Tunnel 100% 27 Sep '19 6 Dec '19 27 Sep '19 6 Dec '19 Calendar Day 165 Tender & Subletting 71 days 17 Feb '20 24 Feb '20 HK Working Day 100% 17 Feb '20 24 Feb '20 Mobilization and Establishment of GI equipment 7 days 25 Feb '20 2 Apr '20 HK Working Day 167 100% 25 Feb '20 2 Apr '20 Ground Investigation GI No. 3 31/12 169 Obtain MTR's approval on the alignment and 0 days 31 Dec '20 31 Dec '20 Calendar Day NA construction method about MTR's tunnels 170 12 Aug '20 3 Dec '20 Calendar Day 172,171 27% 12 Aug '20 TTA submission and Approval, Suspension of Parking 114 days Meters and TTA Implement for Jacking Pit D 171 4 Dec '20 11 Jan '21 HK Working Day 170 179 0% NA Inspection Pits for Lohas Park Road Footpath in frontal of Viaduct Utilities Trough 172 4 Dec '20 11 Jan '21 HK Working Day 170 179,173 NA 30 days Inspection Pits & GI Works for Jacking Pit D 173 30 days 12 Jan '21 18 Feb '21 HK Working Day 172 174 0% NA Design of Jacking D 174 Jacking Pit D at Car Park 150 days 19 Feb '21 21 Aug '21 HK Working Day 173 182 0% NA 175 Issue CE Bo. 77 - Design of Water Main Structure and 0 days Modification Works to the Affected Geotechnical 176 100% 21 Oct '20 21 Oct '20 21 Oct '20 21 Oct '20 Calendar Day Features in Wan Po Road and Lohas Park Road 176 21 Oct '20 19 Dec '20 Calendar Day 175 177 60 days Submission for CE77 177 30 days 20 Dec '20 18 Jan '21 Calendar Day 176 179 0% NA NA 18/1 195 178 TPRP Appoval for Tree at Slope Feature 0 days 18 Jan '21 18 Jan '21 Calendar Day ▶ 18/1 179 18 Jan '21 18 Jan '21 Calendar Day 172,171,177 180 NA NA Expected CE No. XX - Relocation of Working pits for 0 days Trenchless Works in Wan Po Road juction with Lohas 180 Subletting works for CE No. XX 19 Jan '21 19 Mar '21 Calendar Day 179 196.210.2 0% NA NA 23 Aug '21 21 Sep '22 HK Working Day 181 TBM Pipe Jacking (Pit D to Pit C) 321 days 23 Aug '21 18 Sep '21 HK Working Day 174 0% 183,189,1 182 Establishment at Pit D 24 days 183 20 Sep '21 22 Jan '22 HK Working Day 182 DN1600 Precast Concrete Sleeve Pipe (Pit D - Pit C) 102 days (CH.A19+26 to CH.A22+80) in Soil (354m; 3.5m/day) 0% 184 Remove setup Including Thrust Wall at Pit D 6 days 24 Jan '22 29 Jan '22 HK Working Day 183 185 NA 0% 185 31 Jan '22 9 Feb '22 HK Working Day 184 186 NA Setup for Pipe Laying inside jacking Pit D 6 days 10 Feb '22 1 Jun '22 HK Working Day 185 187 0% NA DN1200 MS Pipe Laying inside jacking pipe (354m) 90 days (say 2 days per 8m)(only Internal Coating) 187 2 Jun '22 6 Jun '22 HK Working Day 186 188 0% NA NA Formwork & Setup for Grouting the gap between 3 days 7 Jun '22 20 Jun '22 HK Working Day 187 191,192 Grouting Works (30 meter/day) 12 days \$ 18/9 162,191 0% NA Issue CE No. XX - Special Type of Chamber for 0 days 18 Sep '21 18 Sep '21 Calendar Day 182 interface between Trencless Works and Open Cut Work near Receiving Pit C

Working Programme No. 11 Data Date: 15 Nov 2020

Milestone

Project Summery

Inactive Task

Inactive Milestone

Duration-only

Manual Summary

Page 5



D. in att	V (	in Tanana	V	

Manual   M	Task Nan	e	Duration	Start Finish Task Calendar Predecessors	Successors %	Complete Actual Start A	ctual Finish
Company   Comp		Tress Survey: TPRP Submission & Annroyal	128 davs	26 Aug '20 31 Dec '20 Calendar Dav	295	8% 26 Aug '20	- N
Martin Control Contr					-		
Market   M					297	0% NA	NA
Application of the Content of the				1 Mar '21 8 Apr '21 HK Working Day 296	299,301	0% NA	NA
Command and Comm		Open Trench Crossing Pung Loi Avenue	100 days	9 Apr '21 7 Aug '21 HK Working Day	640	0% NA	NA
Description of Control Processes   Proce		CH.FC13+26 (CH.FD0+00 - CH.FD0+82)	100 days	9 Apr '21 7 Aug '21 HK Working Day 297		0% NA	NA
March   Marc	12		Dr. Charles			See SEE STOKE BUILDING	NA
### STATE OF CONTRIBUTION CONTR		Support from CH.FD0+82 to CH.FD2+59, Length = 173m, 47 R.C. Pipe Supports @4m c/c spacing; @18	250 days	9 Apr '21 9 Feb '22 HK Working Day 297	302	0% NA	NA
Market Section Continues   C			65 days	10 Feb '22 30 Apr '22 HK Working Day 301	303	0% NA	NA
Company of the Company   Company of the Company   Company of the			6 days	3 May '22 10 May '22 HK Working Day 302	304	0% NA	NA
March   Marc							
Class Sequence Conference   Class							NA
Control of the Control of Contr							
Control of the Cont		CH.FD2+59 to CH.FD3+15 OC	65 days	28 Jul '22 14 Oct '22 HK Working Day 304	308	0% NA	NA
March   Control   Contro		Chamber and By-pass Pipe and Connection to Pit	130 days	6 Apr '22 13 Sep '22 HK Working Day 329	308	0% NA	NA
The content of the		Make Good Slope Toe and Landscape Work	30 days	15 Oct '22 18 Nov '22 HK Working Day 306,307		0% NA	NA
Proceedings   Procedural Processing   Procedural Processing   Proces		Issue of Draft CE No. 59 - Realignment of Water Mains near Pung Loi Road and Po Yap Road Roundabout	1 day	13 Nov '20 13 Nov '20 Calendar Day	310	100% 13 Nov '20	13 Nov '20
Process   Proc		Tender Process and Tender Award for CE No. 59	90 days	14 Nov '20 11 Feb '21 Calendar Day 309	314,311	0% NA	NA
Publishment   Publish Add (1.5 Ago)   15   15   15   15   15   15   15   1			30 days	16 Feb '21 22 Mar '21 HK Working Day 310	318,332,3	0% NA	NA
March   Confession   March   Mar		Trenchless Crossing MTR Tunnels (Pit WPR1 to Pit G1A	) 537 days	15 Jun '20 5 Apr '22 HK Working Day		15% 15 Jun '20	NA
School of the Name of State   School of State			90 days	15 Jun '20 12 Sep '20 Calendar Day	321	50% 15 Jun '20	NA
Total Name Working Name		Material Procurement for the issued CE	90 days	12 Feb '21 12 May '21 Calendar Day 310		0% NA	NA
Comparison Confession Confessio						100% 20 Aug '20	30 Sep '20
Montage   March   Ma		Trial Pit at Working Pit G1A	12 days	1 Nov '20 14 Nov '20 HK Working Day		100% 1 Nov '20	14 Nov '20
Manufacture (C. A. Pour Pro Brost 1991)  1976   197		Construction of Jacking Pit / Receiving Pit (TBM)	90 days	23 Mar '21 14 Jul '21 HK Working Day		0% NA	NA
Proceedings   1987		Jacking Pit WPR1 (Near Pung Loi Road)	90 days				
Excellentation 1971 Workship Supplement Controls Supplement Supplement Controls Supplement Control Supplement Contr					321,334		NA
1.1   1.1					327		NA NA
Remove design brinding Threat Work at 99 Work 1 Go Age 2 20 Co 12 10 Co 12		Jacking DN1600 Precast Concrete Sleeve Pipe					
Setting for Fire Laying Intella leading PM WPILL 6 days 27 col 171 b 6 days 27 col 171	3		6 days	12 Oct '21 19 Oct '21 HK Working Day 322	324	0% NA	NA
District State   Transport   A. Script   For Granding thing (22am) 86 days   27 Col. 21   8 (ab 22   16 ft 22)   16 ft 22   16 ft							
Firstmark & Setup for Geording the gap belowers 3 days general Direct grows of		DN1200 MS Pipe Laying inside Jacking Pipe (224m					
Greating Warks   Dim per day    8 days   12 Feb 72   11 Feb 72   11 Feb 72   12 Feb 72   12 Feb 72   12 Feb 72   14 Moving Day 326   32 M or 72   329   0%   MA   MA   MA   MA   MA   MA   MA   M	6	Formwork & Setup for Grouting the gap between	3 days	9 Feb '22 11 Feb '22 HK Working Day 325	327	0% NA	NA
Pipe Connection Inside Working PR WPR1   38 days   22 Feb '22   14 Moring Day 327   329   0%   NA   NA   NA   NA   NA   NA   NA   N	7		8 days	17 Feb '22 21 Feb '22 HK Working Day 326	328	0% NA	NΔ
None							- 1
Transless Works   Pit GiA or Pit IIA    257 days   23 Mor   '21   57 days   23 Mor   '21   59 km   21   59 km   21   59 km   22   59 km   22   59 km   23   59 km   24   59 km   23   59 km   24   59		Remove ELS including extracting sheet piles at Pit					
Construction of Facking PRIJA (Hand Shield) 70 days 23 Mar '21 19 Jun' 21 HK Working Day 0% NA NA NA HA HAndshield Pipe Facking PRIJA of Shield Pipe Facking PRIJA (Hand Shield) 70 days 23 Mar '21 19 Jun '21 HK Working Day 134 0% NA NA NA HAndshield Pipe Facking Prija Clas PRIJA 10 days 15 Jul '21 47 HK Working Day 319,332 335 0% NA NA NA Segment (#800mm Sleeve Pipe Foom) In Soil 90 days 31 Jul '21 18 Nov '21 HK Working Day 335 335 0% NA NA NA (0,4m/4yz, Teams) 10 days 17 HK Working Day 335 337 0% NA NA NA (0,4m/4yz, Teams) 10 days 17 HK Working Day 335 337 0% NA NA NA (0,4m/4yz, Teams) 10 days 17 HK Working Day 335 337 0% NA NA NA (0,4m/4yz, Teams) 10 days 17 HK Working Day 335 337 0% NA NA NA (0,4m/4yz, Teams) 10 days 17 HK Working Day 335 337 0% NA NA NA (0,4m/4yz, Teams) 10 days 10 da	0		257 days	23 Mar '21 4 Feb '22 None		0% NA	NA
## Handshield Pipe Jacking [Pit G11 to Pit J1A)			70 days	23 Mar '21 19 Jun '21 HK Working Day		0% NA	NA
Stablishment at PRI JIA 14 days 15 Jul '21 30 Jul '21 HK Working Day 319,332 335 0% NA NA NA Segment @ 400mm Sleeve Pipe (~60m) in Soil 90 days 31 Jul '21 16 Nov '21 HK Working Day 334 336 0% NA NA NA (0.4m/day; 2 Teams)  Remove Setup including thrust wail at PRI JIA 6 days 17 Nov '21 23 Nov '21 HK Working Day 335 337 0% NA NA NA Setup for Pipe Laying inside jacking PRI JIA 6 days 24 Nov '21 30 Nov '21 HK Working Day 336 338 0% NA NA NA (3 days per /m)  Pormovic & Setup for Grouting the gap between 3 days 26 Jan '22 28 Jan '22 HK Working Day 338 340 0% NA NA pipe and Sleeve Grouting the gap between 3 days 29 Jan '22 4 Feb' 22 HK Working Day 339 342 0% NA NA NA (3 days per /m)  Grouting Works (30 meter/day) 3 days 29 Jan '22 4 Feb' 22 HK Working Day 339 342 0% NA NA NA (3 days per /m) NA NA (3 days per /m) NA NA NA (4 days per /m) NA NA NA (5 days per /m) NA	12	ELS Construction for Pit J1A	70 days	23 Mar '21 19 Jun '21 HK Working Day 311	334	0% NA	NA
Segment @400mm Sleeve Pipe [-60m) in Soil		Handshield Pipe Jacking (Pit G1A to Pit J1A)	167 days				
(Q.4m/day; 2 Teams)  Remove Setup Including thrust wall at Pit J1A 6 days 17 Nov'21 23 Nov'21 HK Working Day 335 337 0% NA NA  Setup for Pipe Laying inside jacking Pit J1A 6 days 24 Nov'21 30 Nov'21 HK Working Day 336 338 0% NA NA  NON1200 MS Pipe Laying inside jacking pipe ("60m) 45 days 1 Dec'21 25 Jan'22 HK Working Day 337 339 0% NA NA  Solution of Control o		Segment @400mm Sleeve Pipe (~60m) in Soil					
Setup for Pipe Laying inside jacking Pit J1A 6 days 24 Nov '21 30 Nov '21 HK Working Day 336 338 0% NA NA NA DN1200 MS Pipe Laying inside jacking pipe ("60m) 45 days 1 Dec '21 25 Jan '22 HK Working Day 337 339 0% NA NA NA (3 days per 4m)  Formwork & Setup for Grouting the gap between 3 days 26 Jan '22 28 Jan '22 HK Working Day 338 340 0% NA NA pipe and Sleeve  Grouting Works (30 meter/day) 3 days 29 Jan '22 4 Feb '22 HK Working Day 339 342 0% NA	36	(0.4m/day; 2 Teams)		17 Nov '21 23 Nov '21 HK Working Day 335	337	0% NA	NA
DNI200 MS Pipe Laying inside jacking pipe ("60m) 45 days 1 Dec '21 25 Jan '22 HK Working Day 337 339 0% NA NA (3 days per 4m)  Formwork & Setup for Grouting the gap between 3 days 26 Jan '22 28 Jan '22 HK Working Day 338 340 0% NA NA pipe and Sleeve  Grouting Works (30 meter/day) 3 days 29 Jan '22 4 Feb '22 HK Working Day 339 342 0% NA							
Formwork & Setup for Grouting the gap between 3 days 26 Jan '22 28 Jan '22 28 Jan '22 HK Working Day 338 340 0% NA NA pipe and Sleeve  Grouting Works (30 meter/day) 3 days 29 Jan '22 4 Feb '22 HK Working Day 339 342 0% NA		DN1200 MS Pipe Laying inside jacking pipe (~60m					
Grouting Works (30 meter/day) 3 days 29 Jan '22 4 Feb '22 HK Working Day 339 342 0% NA NA  Open Trench between Pit K and JIA 118 days 5 Feb '22 30 Jun '22 HK Working Day 642 0% NA NA  Menul Telegraph Relin - States From Telegraph Relin - States F	39	Formwork & Setup for Grouting the gap between	3 days	26 Jan '22 28 Jan '22 HK Working Day 338	340	0% NA	NA
Monthly Mary Surgery Bollon States Critical Seld Mary Progress	40		3 days	29 Jan '22 4 Feb '22 HK Working Day 339	342	0% NA	NA
Design Dellar Versil F Countrally Dealer 1 Chical Solar Manus Design	41	Open Trench between Pit K and J1A	118 days	5 Feb '22 30 Jun '22 HK Working Day	642	0% NA	NA
Vorking Programme No. 11 Task Milestone • Project Summary Inactive Milestone • Project Summary Inactive Milestone • Critical Spin - Start-only L External Lasts Decimine • Critical Spin - Start-only L External Lasts			161,	♦ Project Summary	Inactive Milestone	A Marie	and Tast

me	Duration	Start Finish Task Calendar Predecessors			2018   2019	2021   2021   9   Qr 2, 2019   Qr 4, 2019   Qr 4, 2019   Qr 1, 2019   Qr 1, 2021   Qr 2, 2021	Qr 3, 2021   Qr 4, 2021   Qr 1, 2022   Qr 2, 2022   Qr 3, 2022   Qr 4, 2022   Qr 4, 2022   Qr 1, 2023   Qr 2, 2023   Qr 2, 2023   Qr 3, 2022   Qr 1, 2023   Qr 1, 2023   Qr 1, 2023   Qr 2, 2023   Qr 2, 2023   Qr 3, 2022   Qr 4, 2022   Qr 1, 2023   Qr 1, 2023   Qr 2, 2023   Qr 3, 2022   Qr 4, 2022   Qr 1, 2023   Qr 1, 2023   Qr 2, 2023   Qr 3, 2022   Qr 4, 2022   Qr 1, 2023   Qr 1, 2023   Qr 1, 2023   Qr 2, 2023   Qr 3, 2022   Qr 4, 2022   Qr 1, 2023   Qr 1, 2023   Qr 2, 2023   Qr 3, 2022   Qr 4, 2022   Qr 1, 2023   Qr
	Excavation and ELS Installation from Pit K to Pit J1A 62 days (62m)	5 Feb '22 22 Apr '22 HK Working Day 340	343	0% NA NA			
ì	Pipe Laying From Pit K to Pit J1A 9 days	23 Apr '22 4 May '22 HK Working Day 342	344	0% NA NA			
	Construction of Thrust Block from Pit K to Pit J1A 15 days	5 May '22 23 May '22 HK Working Day 343	345	0% NA NA			
	Backfill Trench and Remove ELS 18 days	24 May '22 14 Jun '22 HK Working Day 344	346	0% NA NA			
	Reinstatement of Plant and Shrubs in Roundabout 14 days	15 Jun '22 30 Jun '22 HK Working Day 345	642	0% NA NA 37% 18 Nov '19 NA			
	ess Work from Po Yap Road Roundabout to KMB 590 days Pit K to Pit P)	18 Nov '19 13 Nov '21 HK Working Day	642	37% 18 Nov '19 NA			
	E No. 28 - Realignment of Water Mains along Po 0 days ad and Po Hong Road	13 Jan '20 13 Jan '20 Calendar Day	351,359	100% 13 Jan '20 13 Jan '20		♦ 13/1	
ncti	e CE No. 50 - Realignment of Watermain at the Odays tion of Wan Po Road and Po Yap Road and the tion of Po Hong Road and Po Shun Road.	11 Jun '20 11 Jun '20 Calendar Day		100% 11 Jun '20 11 Jun '20		<b>♦</b> 11/6	
	sue CE No. 28A - Affected Trees along Cycle Track next 0 days Hong Kong Velodrome and Tseung Kwan O Sport	30 Jun '20 30 Jun '20 Calendar Day	365	100% 30 Jun '20 30 Jun '20		<b>♦ 30/6</b>	
our nde	ld or and Subletting for CE No. 28 99 days	18 Nov '19 24 Feb '20 Calendar Day 348		100% 18 Nov '19 24 Feb '20			
enchle	ess Works (Pit K to Pit O) 545 days	13 Jan '20 13 Nov '21 HK Working Day		34% 13 Jan '20 NA			
3/43	tion Pit Excavation at Pit K 16 days	28 Feb '20 17 Mar '20 HK Working Day		100% 28 Feb '20 17 Mar '20			
	Pit Excavation at Pit P 3 days	29 Jun '20 2 Jul '20 HK Working Day	355	100% 29 Jun '20 2 Jul '20			
Review an	nd change the pipe jacking from Pit P to Pit R 12 days	3 Jul '20 14 Jul '20 Calendar Day 354		100% 3 Jul '20 14 Jul '20			
Forming	g temporary Vehicle Access for Pit P 10 days	16 Jul '20 27 Jul '20 HK Working Day	372	100% 16 Jul '20 27 Jul '20			
MTR's A K	Approval for Trenchless Works from Pit L to Pit 75 days	11 Jun '20 8 Sep '20 HK Working Day	358	50% 11 Jun '20 NA			
TTA Impler	ment for Po Yap Load Roundabout 14 days	9 Sep '20 22 Sep '20 Calendar Day 357	367	0% NA NA			
TTA prepa	aration, SLG meetings, obtain RA and TPRP 128 days for Temporary Vehicular Access at HK	13 Jan '20 19 May '20 Calendar Day 348	360	100% 13 Jan '20 19 May '20			
	tion with LCSD and Notification to District 14 days	20 May '20 2 Jun '20 Calendar Day 359	361	100% 20 May '20 2 Jun '20			
Form Te	emporary Vehicle Access at TKO Sport Ground 5 days	1 Jun '20 8 Jun '20 HK Working Day 360	362	100% 1 Jun '20 8 Jun '20			
	planting Working & Tree Removal Works at 10 days Ground (CE No. 28)	9 Jun '20 19 Jun '20 HK Working Day 361	363	100% 9 Jun '20 19 Jun '20			
Tree Pro	runing Working for driving Sheetpile at Pit M, 3 days Pit O	20 Jun '20 23 Jun '20 HK Working Day 362	364	100% 20 Jun '20 23 Jun '20			
Mobiliz	ation of Sheet-piles and Driving Machines 7 days	24 Jun '20 3 Jul '20 HK Working Day 363	371,369	100% 24 Jun '20 3 Jul '20			
	ey along Cycle Track; TPRP Approval; Tree 120 days Works along Cycle Tracks (Ce No. 28A)	30 Jun '20 20 Nov '20 HK Working Day 350		90% 30 Jun '20 NA			
Construction	on of Jacking Pit & Receiving Pit 181 days	4 Jul '20 6 Feb '21 HK Working Day	NI SECOND	52% 4 Jul '20 N/			
Receiving		14 Nov '20 6 Feb '21 HK Working Day 358	374	15% 14 Nov '20 N			
Jacking Pit I	L 70 days	24 Oct '20 18 Jan '21 HK Working Day 369	374,382	39% 24 Oct '20 N			
Jacking Pit M	88 days	11 Jul '20 23 Oct '20 HK Working Day 364	368,386,3				
Receiving Pi		30 Jul '20 30 Oct '20 HK Working Day	386FS-14 (	100% 30 Jul '20 30 Oct '2			
	Receiving Pit O + additional Grouting 130 days	4 Jul '20 5 Dec '20 HK Working Day 364	378,390 378	40% 4 Jul '20 No 30% 3 Aug '20 No			
	P + additional Grouting 130 days lacking (Pit K to Pit L) 90 days	3 Aug '20 7 Jan '21 HK Working Day 356  8 Feb '21 2 Jun '21 HK Working Day	378	30% 3 Aug '20 N			
Establishme		8 Feb '21 26 Feb '21 HK Working Day 367,368	375	0% NA N			
Segment @	2400mm Sleeve Pipe (Pit L to Pit K)(~ 70 days	27 Feb '21 26 May '21 HK Working Day 374	376	0% NA N			
	in Soil (0.8m/day)						
	setup including thrust wall at Pit L 6 days	27 May '21 2 Jun '21 HK Working Day 375		0% NA N			<u>_</u>
	cking (Pit P to Pit O) 75 days	8 Apr '21 8 Jul '21 HK Working Day	424,443	0% NA N			
DN1600 P	ment at Pit P 24 days Precast Concrete Sleeve Pipe (Pit P - Pit O) 45 days I Soil (4.5m/day)	8 Apr '21 6 May '21 HK Working Day 372,371,389 7 May '21 30 Jun '21 HK Working Day 378	379 380	0% NA N			
	y in Soil (4.5m/day)  ve setup including thrust wall at Pit P 6 days	2 Jul '21 8 Jul '21 HK Working Day 379		0% NA N			
	e setup including thrust Wall at Pit P 6 days  Backing (Pit M to Pit L) (5 Days a week, 4 68 days	19 Jan '21 15 Apr '21 HK Working Day	400	0% NA N			
trip per da							
Establishn	ment at Pit M 24 days	19 Jan '21 18 Feb '21 HK Working Day 385,368,369		0% NA N			
	10 Precast Concrete Sleeve Pipe (Pit M - Pit L) 38 days 10+09 to CH.GA1+80) in Soil (171m; day)	19 Feb '21 8 Apr '21 HK Working Day 382	384	0% NA N			
Re	emove setup including thrust wall at Pit M 6 days	9 Apr '21 15 Apr '21 HK Working Day 383		0% NA N			
	rBM Pipe Jacking (Pit M to Pit N) (5 Days a week, 4 57 days	24 Oct '20 2 Jan '21 HK Working Day	382,407,3	0% NA N			
	Establishment at Pit M 24 days	24 Oct '20 21 Nov '20 HK Working Day 369,370FS-	4 da 387	0% NA N			
-	2,345						
nme No. 11	7.1	Donies Common	Institut Afiles	Monard Task	Manual Summary Rollup Start	touly [ External Tasks Deadline + 0	Critical Split
	Task Milestone		Inactive Milestone	Manual Task Duration-only	Manual Summary Rollup Start  Manual Summary Finis		

Task N	ame Duration	Start Finish Tack Calendar Predecessors	Successors %	Complete Actual	Start Actual Fir
	DN1600 Precast Concrete Sleeve Pipe (Pit M - Pit N) (CH.GA1+86 to CH.GA3+20) in Soil (134m;	23 Nov '20 23 Dec '20 HK Working Day 386	388	0%	NA
5m/day)	uding thrust wall at Pit M 6 days	24 Dec '20 2 Jan '21 HK Working Day 387		0%	NA
	e Jacking (Pit O to Pit N) (5 Days a week, 4 74 days	4 Jan '21 7 Apr '21 HK Working Day	415,378	0%	NA
	stablishment at Pit O 24 days	4 Jan '21 30 Jan '21 HK Working Day 370,371,385	391	0%	NA
	DN1600 Precast Concrete Sleeve Pipe (Pit O - Pit N) 44 days (CH.GA3+13 to CH.GA5+08) in Soil (195m; 4.5m/day)	1 Feb '21 26 Mar '21 HK Working Day 390	392	0%	NA
	Remove setup including thrust wall at Pit M 6 days	27 Mar '21 7 Apr '21 HK Working Day 391		0%	NA
	DN1200 Pipelaying (Pit K to Pit L) 86 days  Setup for Pipe Laying inside jacking Pit K 6 days	3 Jun '21 13 Sep '21 HK Working Day 3 Jun '21 9 Jun '21 HK Working Day 373	395	0%	NA NA
	DN1200 MS Pipe Laying inside jacking pipe (56m) 30 days (2 days per 4m) (Only Internal Coating)	10 Jun '21 16 Jul '21 HK Working Day 394	396	0%	NA
	Formwork & Setup for Grouting the gap between 3 days pipe and Sleeve	17 Jul '21 20 Jul '21 HK Working Day 395	397	0%	NA
	Grouting Works (30 meter/day) 2 days	21 Jul '21 22 Jul '21 HK Working Day 396	398	0%	NA
98	Construction of DN900 Valve Chamber and DN150 45 days By-pass Pipe & Valves Near Pit K	23 Jul '21 13 Sep '21 HK Working Day 397		0%	NA
	DN1200 Pipelaying (Pit M to Pit L) 145 days	16 Apr '21 8 Oct '21 HK Working Day		0%	NA NA
101	Setup for Pipe Laying inside jacking Pit M 10 days  DN1200 MS Pipe Laying inside jacking pipe (171m) 90 days (2 days per 4m)(Only Internal Coating)	16 Apr '21 27 Apr '21 HK Working Day 381 28 Apr '21 14 Aug '21 HK Working Day 400	401	0%	NA NA
	Formwork & Setup for Grouting the gap between 3 days pipe and Sleeve	16 Aug '21 18 Aug '21 HK Working Day 401	403	0%	NA
3	Grouting Works (30 meter/day) 6 days	19 Aug '21 25 Aug '21 HK Working Day 402	404,411	0%	NA
04 05	Pipe Connection Inside Pit L 12 days  Remove ELS including extracting sheet piles at Pit 24 days	26 Aug '21 8 Sep '21 HK Working Day 403 9 Sep '21 8 Oct '21 HK Working Day 404	405	0% 0%	NA NA
	L; Reinstatement of Cycle Track and planter				
	DN1200 Pipelaying (Pit M to Pit N) 256 days  Setup for Pipe Laying inside jacking Pit N 6 days	4 Jan '21 13 Nov '21 HK Working Day 4 Jan '21 9 Jan '21 HK Working Day 385	408	0%	NA NA
107	DN1200 MS Pipe Laying inside jacking pipe (134m) 35 days	11 Jan '21 23 Feb '21 HK Working Day 407	409	0%	NA
09	(2 days per 8m)(Only Internal Coating)  Formwork & Setup for Grouting the gap between 3 days	24 Feb '21 26 Feb '21 HK Working Day 408	410	0%	NA
)	pipe and Sleeve  Grouting Works (30 meter/day) 5 days	27 Feb '21 4 Mar '21 HK Working Day 409	411,419	0%	NA
1	Pipe Connection Inside Pit M 12 days	26 Aug '21 8 Sep '21 HK Working Day 403,410	412	0%	NA
12	Construction of IT Chamber at Pit M 30 days	9 Sep '21 16 Oct '21 HK Working Day 411	413	0%	NA
413	Remove ELS including extracting sheet piles at Pit 24 days M & Pit N; Reinstatement of Cycle Track and planter	18 Oct '21 13 Nov '21 HK Working Day 412		0%	NA
4	DN1200 Pipelaying (Pit O to Pit N) 182 days	8 Apr '21 13 Nov '21 HK Working Day	446	0%	NA
6	Setup for Pipe Laying inside jacking Pit N 6 days  DN1200 MS Pipe Laying inside jacking pipe (195m) 50 days (2 days per 8m)(Only Internal Coating)	8 Apr '21 14 Apr '21 HK Working Day 389 15 Apr '21 15 Jun '21 HK Working Day 415	416 417	0%	NA NA
	Formwork & Setup for Grouting the gap between 3 days pipe and Sleeve	16 Jun '21 18 Jun '21 HK Working Day 416	418	0%	NA
18	Grouting Works (30 meter/day) 7 days	19 Jun '21 26 Jun '21 HK Working Day 417	419,421	0%	NA
19	Pipe Connection Inside Pit N 12 days	28 Jun '21 12 Jul '21 HK Working Day 410,418	420	0%	NA
420	Remove ELS including extracting sheet piles at Pit 24 days N; Reinstatement of Cycle Track and planter	13 Jul '21 9 Aug '21 HK Working Day 419		0%	NA
21	Pipe Connection in side Pit O 12 days	2 Oct '21 16 Oct '21 HK Working Day 427,418	422	0%	NA
422	Remove ELS including extracting sheet piles at Pit 24 days O; Reinstatement of Cycle Track and planter	18 Oct '21 13 Nov '21 HK Working Day 421		0%	NA
3	DN1200 Pipelaying (Pit O to Pit P) 71 days	9 Jul '21 30 Sep '21 HK Working Day	1150	0%	NA
124	Setup for Pipe Laying inside jacking Pit O 6 days	9 Jul '21 15 Jul '21 HK Working Day 377	425	0%	NA NA
125	DN1200 MS Pipe Laying inside jacking pipe (200m) 55 days (2 days per 8m)(Only Internal Coating)	16 Jul '21 17 Sep '21 HK Working Day 424	426	0%	NA
26	Formwork & Setup for Grouting the gap between 3 days pipe and Sleeve	18 Sep '21 21 Sep '21 HK Working Day 425	427	0%	NA
27	Grouting Works (30 meter/day) 7 days	23 Sep '21 30 Sep '21 HK Working Day 426  3 Aug '20 29 Apr '22 HK Working Day	421 642	0% 25% 3	NA Aug '20
428	Trenchless Work from KMB Depot to Po Hong Road (Pit P 515 days to Pit R)	3 Aug 20 23 Apr 22 Hr Working Day			
429	Issue CE No. 51 - Realignment of Water Main in Tsui 0 days Lam Section	3 Aug '20 3 Aug '20 Calendar Day	436,431,5!	100% 3	Aug '20 3 A

Project: Mainlaying in Tseung Kwan O Successors % Complete Actual Start Actual Finish Finish Task Calendar Task Name Duration 2015 2019 2021 2021 2021 2022 2023 2023 Qr 2, 2018 Qr 2, 2019 Qr 2, 2019 Qr 3, 2019 Qr 2, 2019 Qr 3, 2019 Qr 4, 2020 Qr 3, 2022 Qr 3 100% 3 Sep '20 3 Sep '20 3 Sep '20 3 Sep '20 Calendar Day Issue WSD Letter Ref.: (4) in 0 days WSD/M/7503/13/WSD/16/M15/300/51 for aditional works to CE No. 51 431 3 Aug '20 23 Oct '20 Calendar Day 429 438,453,4! 100% 3 Aug '20 23 Oct '20 Tendering Process, Tender Award for CE No. 51 (Batch 82 days 432 100% 3 Aug '20 12 Nov '20 3 Aug '20 12 Nov '20 Calendar Day 429 Tendering Process, Tender Award for CE No. 51 (Batch 102 days 433 Tendering Process, Tender Award for CE No. 51 (Batch 90 days 3 Aug '20 31 Oct '20 Calendar Day 429 437,556 5% 3 Aug '20 No. 3)) 434 26 Aug '20 23 Nov '20 Calendar Day 435 50% 26 Aug '20 Tendering Process, Tender Award for CE No. 51 90 days (Location A Mini-pile Works) 24 Nov '20 22 Jan '21 Calendar Day 434 Tendering Process, Tender Award for CE No. 51 60 days 436 TTA preparation, SLG meetings, obtain RA and 100 days 3 Aug '20 10 Nov '20 Calendar Day 429 438 50% 3 Aug '20 implement Advanced Works 437 1 Nov '20 28 Feb '21 Calendar Day 433 NA Material Submission, Procurement of top coat of 120 days aliphatic polyurethance for exposed pipes 438 11 Nov '20 20 Apr '21 HK Working Day 436,431 Forming New Vehicle Access at Po Hung Road for 128 days 441 NA Inspection Pit Excavation at Pit R 14 days 15 Dec '20 2 Jan '21 HK Working Day 0% 4 Jan '21 26 Apr '21 HK Working Day 439 Construction of Receiving Pit R 90 days 9 Jul '21 26 Jul '21 HK Working Day 441,377 444 0% Establishment at Pit P 15 days 27 Jul '21 8 Oct '21 HK Working Day 443 DN1600 Precast Concrete Sleeve Pipe (Pit P - Pit R) 62 days (say 248m) in Soil (4m/day) 445 Remove setup including thrust wall at Pit P 6 days 9 Oct '21 16 Oct '21 HK Working Day 444 446 0% 447 0% 18 Oct '21 23 Oct '21 HK Working Day 445 Setup for Pipe Laying inside jacking Pit Q 6 days 447 NA 25 Oct '21 17 Jan '22 HK Working Day 446 DN1200 MS Pipe Laying inside jacking pipe (248m) (2 70 days days per 8m)(Only Internal Coating) 448 Formwork & Setup for Grouting the gap between 3 days 18 Jan '22 20 Jan '22 HK Working Day 447 9 days 21 Jan '22 31 Jan '22 HK Working Day 448 450 0% NA Grouting Works (30 meter/day) NA 450 451 0% NA 4 Feb '22 14 Feb '22 HK Working Day 449 Pipe connection inside Pit P 9 days 451 NA Construction of Combined Inspection and Washout 60 days 15 Feb '22 29 Apr '22 HK Working Day 450 1% 3 Aug '20 3 Aug '20 12 May '22 HK Working Day 452 Open Trench from Pit R to Pit S & Trenchless Works from 524 days Pit S to Pit T 24 Oct '20 28 Nov '20 HK Working Day 431 456,473 Batch No 1 - Temporary Works Design and Preliminary 30 days 474,479,4 454 13 Nov '20 17 Dec '20 HK Working Day 432 Batch No 2 - Temporary Works Design and Preliminary 30 days 455 Material Procurement for the issued CE 90 days 3 Aug '20 12 Jan '21 Calendar Day 431 10% 3 Aug '20 456 Inspection Pit Excavation at Pit S & Pit T 30 Nov '20 15 Dec '20 HK Working Day 453 458,459,4 14 days 16 Dec '20 2 Mar '21 HK Working Day 456 Pit S at CH.HA0+30 60 days 60 days 16 Dec '20 2 Mar '21 HK Working Day 456 461 0% NA Pit T at CH.HA0+80 462 Establishment at Pit S 14 days 3 Mar '21 18 Mar '21 HK Working Day 458,459 462 19 Mar '21 20 Aug '21 HK Working Day 461 Mild Steel Sleeve Pipe in Mix of Soil & Rock (0.2m / 125 days 463 Remove Setup including Thrust Wall at Pit S 6 days 21 Aug '21 27 Aug '21 HK Working Day 462 464 28 Aug '21 3 Sep '21 HK Working Day 463 Setup for Pipe Laying inside Jacking Pit 5 6 days NA 4 Sep '21 11 Oct '21 HK Working Day 464 DN1200 MS Pipe Laying inside Jacking Pipe (2 days 30 days per 4m pipe)(Only Internal Coating) 466 Formwork & Setup for Grouting the gap between 3 days 12 Oct '21 15 Oct '21 HK Working Day 465 467 0% NA pipe and Sleeve 16 Oct '21 18 Oct '21 HK Working Day 466 468,469 0% NA NA Grouting Works (30m per day) 2 days 468 Construction of Combined Inspection and Washout 60 days 19 Oct '21 29 Dec '21 HK Working Day 467 470 0% Chamber Type I at Pit S 19 Oct '21 9 Dec '21 HK Working Day 467 0% NΔ NΔ Install Inspection Tree at Pit T and Construction of 45 days 470 30 Dec '21 12 May '22 HK Working Day 468 Open Cut, between Pit R and Pit S with inspection Tee 105 days Manual Progress Manual Summary Rollup -External Tasks Critical Split Working Programme No. 11 Data Date: 15 Nov 2020 Milestone Inactive Task Inactive Summary Duration-only Page 10

length ) (Option G)  CH.HCO+00 to HC3+17 (Depth < 2.5m, each TTA max. 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA 20m length) (Option G)  Water Main Structure and Associated Pipe Support across the Natural Stream Course (CH. HB0+00 °CCH. HB0+94)  CH.HB0+94)	Secretary of Processing Control of Process	ask Name		Duration	Start Finish Task Calendar Predecessors	Successors %	& Complete Actua	al Start Actual I	inish . 20
Section   Sect	Section   Sect	ndoned R		1486 days	7 Nov '17 12 Nov '22 HK Working Day		6% 7	Nov '17	NA F
Company   Comp	Company   Comp			513 days	30 Nov '20 25 Aug '22 HK Working Day	642	0%	NA	NA
Comment   Comm	Comment   Comm		CH.HA0+80 to HA3+45 (Depth < 2.5m, each TTA 30m	513 days	30 Nov '20 25 Aug '22 HK Working Day 453		0%	NA	NA
Control of Control o	Control of Control o		length) (Option C)		18 Dec '20 17 Nov '21 HK Working Day 454	511	0%	NA	NA
Procedure In Construction Conference   1969   1967   196	Procedure In Construction Conference   1969   1967   196		24-30m length) (Option G) with Construction of DAV	270 days	18 Dec 20 17 Hot 21 III Hotning Suy 434				
Part	Part					642			NA NA
Procedure Processed Proc	Page								NA
Company   Comp	Commonwealth Complete (Complete Complete Compl		Inspection Pit Excavation at Pit V	14 days	16 Dec '20 4 Jan '21 HK Working Day 456	482,483	0%	NA	NA
Activation   Control of Control	Assignation		Inspection Pit Excavation at Pit W	14 days	18 Dec '20 6 Jan '21 HK Working Day 454	484	0%	NA	
Hersing File   Monday   Mond	Company   Comp					485			
Marchage 1979	According   Company   Co					4			
The content of the	The State of Part								
The control of the Co	March   Marc					487			
Secretary Company Co	December					499			
Miles Seed New York   Miles Continued and	Control Cont						10000		
Secretary Control Cont	Matter Control State - Prince Hash of And Hall Mark 24(4) 15-46(5) 15-46(1)					488			
Filtron Content planting Throw And In Part U   6 ctype   10 1/12	State   Part   Marked   Part   Mark   Sec   Sec   South   23   South							NA	
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Company   Comp	Part					491	0%	NA	NA
prior and Storees Generality within CRES per days	pipe and Server  Grantery (Virth S) Chem per Augh  2 Laty  3 May 9/2 J 28 by 21 1 Hevolving Day 422  Grantery (Virth S) Chem per Augh  4 Substitution of Virthages Control and PV LI 45 by 22 1 Substitution of Virthages Control and PV LI 45 by 22 1 Substitution of Virthages Control and PV LI 45 by 21 1 Substitution of Virthages Control and PV LI 45 by 21 1 Substitution of Virthages Control and PV LI 45 by 21 1 Substitution of Virthages Control and PV LI 45 by 21 1 Substitution Day 40 by 21 Substitution Day 40 by 22 Substitution Day 40 by 24 Substitution Day 40 by 40			45 days	24 Jul '21 14 Sep '21 HK Working Day 490	492	0%	NA	NA
Commentation Wishold Columbia at Pic U 55 days 12 (54-p7) 15 (16-p7) 15 (16-p7) 16 (16-p	Commentation Wishold Columbia at Pic U 55 days 12 (54-p7) 15 (16-p7) 15 (16-p7) 16 (16-p			3 days	15 Sep '21 17 Sep '21 HK Working Day 491	493	0%	NA	NA
Depart Co. Commenting CH 1 Michael Nov (1973) paging 45 days 21 page 21 13 page 21 15 Nov 21 12 page 21 12 page 21 15 Nov 21 12 page 21	Company Concession   Company Contest   Conte		Grouting Works (30m per day)	2 days	18 Sep '21 20 Sep '21 HK Working Day 492	494,496	0%	NA	NA
Set and PLU with Imprection Free MP LV Set April 1997 1997 1997 1997 1997 1997 1997 199	Section 2 of 11 V. Unit Impaction Fire at PAV U and Construction of 45 days 2 21.5p 21 15 Nov 21 HK Working Day 493 497 0/5 N/A NA CHARLES OF CONTROL OF C		Construction of Washout Chamber at Pit U	45 days	21 Sep '21 15 Nov '21 HK Working Day 493	495	0%	NA	NA
Character Control (C.) (1984) 175 to DNI 1200 pipe 25 days	Charted Commenting CH, MAS 175 to DN(3200 pipe 35 days			e 45 days	16 Nov '21 10 Jan '22 HK Working Day 494		0%	NA	NA
March Stivided Player Active From Pic Wice Prix (*PSRn)   316 days   22 Marr 21   10 May '22   18 Weeking Day 465,484   500   09	Red Shirled Piper Asking from PELVIVO PELX (*PSR7)   35 days   22 Mar / 21   13 Mary / 22   18 Working Day   455,484   500   05			45 days	21 Sep '21 15 Nov '21 HK Working Day 493	497	0%	NA	NA
Establishment at Ps W	Establishment at Pr. W  Mild Steel Server Pipe in Nik of Sol (0 Am / day)  100 days 12 Apr /21 10 Apr /21 (10 Apr /21 10 Apr /21 Apr /2			e 35 days	16 Nov '21 28 Dec '21 HK Working Day 496		0%	NA	NA
Mild Seed Sleeve Pips in Mix of Soil (0.4m / day) 100 days 12,Fer 21 10 Mag '21 19 K Working Day 459 501 0% NA NA NA Setup including Threat Wall at PEU 6 days 13 Mag '21 12 Mag '21 11 KW writing Day 500 502 0% NA NA NA Setup for Equilibrium of Soil (0.4m / day) 13 Mag '21 24 Aug '21 18 KWorking Day 500 503 0% NA NA NA DAY (1.4m / day) 10 Mag '12 12 Mag '21 14 KWorking Day 500 503 0% NA NA NA DAY (1.4m / day) 10 Mag '12 12 Mag '21 14 KWorking Day 500 503 0% NA NA NA DAY (1.4m / day) 10 Mag '12 12 Mag '21 12 Mag '21 14 KWorking Day 500 503 0% NA NA NA DAY (1.4m / day) 10 Mag '12 12 Mag '21	Mill Steller Pipe in Mile of Soil (0.4m / day) 100 Gays 12 Apr '21 10 Aug '21 11K Working Day '505 501 0% NA NA NA Sector for Pipe Laping bodie absolar for Paul College 11 Aug '21 11K Working Day '505 502 0% NA NA NA Sector for Pipe Laping bodie absolar for Paul College 11 Aug '21 11K Working Day '505 502 0% NA NA NA NA Sector for Pipe Laping bodie absolar five Pipe (2 days 2 5 days 2 15 Aug '21 11K Working Day '501 050 0% NA NA NA NA Sector for Pipe Laping bodie absolar five Pipe (2 days 2 5 days 2 4 5 spr '21 2 7 5 spr '21 HK Working Day '503 0% NA		Hand Shield Pipe Jacking from Pit W to Pit X (~85m)	336 days					
Remove Setup including Thrust Wall at Pt U 6 days 18 Aug 21 17 Aug 21 18 Working Day 500 502 0% NA	Remove Setup including Thrust Wall at Pt U 6 days 18 Aug 21 17 Aug 21 18 Working Day 500 502 0% NA								
Setup for Pipe Laying Inside Jacking Pip LU 6 days 12 Aug '21 12 Sep' 21 14 KWorking Day 501 503 0% NA NA NA DAY DISSO MS Pipe Laying Inside Jacking Pipe (2 days 25 days 25 Aug '21 22 Sep' 21 18 KWorking Day 502 504 0% NA NA NA DAY DISSO MS Pipe Laying Inside Jacking Pipe (2 days 25 days 25 Aug '21 22 Sep' 21 18 KWorking Day 503 505 0% NA NA NA DAY DISSO MS Pipe Laying Law Pipe and Sleeve Grouting Works (Dim per day) 2 days 28 Sep' 21 29 Sep' 21 18 KWorking Day 500 505,008 0% NA NA NA DAY DISSO MS Pipe Laying Law Pipe and Sleeve Grouting Works (Dim per day) 2 days 28 Sep' 21 29 Sep' 21 18 KWorking Day 500 505,008 0% NA NA NA DAY DISSO MS Pipe Laying Law Pipe Aug (2 days 25 Sep' 21 7 Jan '22 18 KWorking Day 506 0% NA NA NA DAY DISSO MS Pipe Laying Law Pipe Aug (2 days 25 Sep' 21 7 Jan '22 18 KWorking Day 506 0% NA NA NA DAY DISSO MS Pipe Laying Law Pipe Aug (2 days 25 Sep' 21 7 Jan '22 18 KWorking Day 506 0% NA NA NA DAY DISSO MS Pipe Laying Law Pipe Aug (2 days 25 Sep' 21 17 Nov '21 18 KWorking Day 506 0% NA NA NA DAY DISSO MS Pipe Call Has Septiment Law Pipe Laying at Kallant Rough Both Day Septiment Law Pipe Laying At Septiment Law Pipe Law P	Setup for Pipe Laying Inside Jacking Pipe U 6 days 12 Aug 21 14 K Working Day 501 503 0% NA NA NA Pipe Laying Inside Jacking Pipe U days 25 days 25 days 25 Aug 21 23 Sap 21 14 K Working Day 502 504 0% NA NA NA Pipe Bipe Laying Inside Jacking Pipe U days 25 days 25 days 25 Aug 21 23 Sap 21 14 K Working Day 502 504 0% NA NA NA Pipe Bipe Bipe More More Manager and Disease Grounding Works (Bin per day) 2 days 28 Sap 21 27 Sap 21 14 K Working Day 505 505 0% NA NA NA Pipe Bipe Bipe Bipe Bipe Bipe Bipe Bipe B								
DNOO AS Pipe Layling Inside Jacking Pipe (2 days 25 days 25 days 25 days 22 Aug 22 1 25 Sep 21 HK Working Day 502 504 0% NA NA Part (2 days) (2 days 25 days 24 Sep 21 27 Sep 22 HK Working Day 503 505 0% NA NA NA Sep 24 Sep 24 24 Sep 24 25 Sep 22 25 Sep 22 HK Working Day 504 506,508 0% NA NA NA Sep 25 Sep 25 Sep 26 Sep 27 25 Sep 27 HK Working Day 504 506,508 0% NA NA NA Sep 25 Sep 26 Sep 27 Sep 27 Sep 27 HK Working Day 504 506,508 0% NA NA NA Sep 25 Sep 27 Sep 27 Sep 27 Sep 27 HK Working Day 504 506,508 0% NA NA NA Sep 25 Sep 27 Sep 27 Sep 27 Sep 27 Sep 27 HK Working Day 505 507 0% NA NA NA Sep 25 Sep 27 Sep 27 Sep 27 Sep 27 Sep 27 Sep 27 HK Working Day 505 507 0% NA NA NA Sep 27 Sep 27 Sep 28 Sep 27 Sep 27 Sep 28	Dissipation Stripe Laying Institute Jacking Pipe (2 days 25 da								
Perf 4m)(Only Internal Coasting)	Formwork & Setup for Grouting the gap between 3 days   24 Sep' 21 27 Sep' 21 HK Working Day 503   505								
Formoria & Secure  Grouting Works (30m per day)  2 days  88 dey 21  2 9 Sep 221  1 K Working Day 504  506,508  0 NA  NA  NA  Install inspection tee at PIK W  6 days  30 Sep 21  7 Jan 22  1 K Working Day 506  0 NA  NA  NA  Open Cut, connecting CH. HA6+65 to DN900 pige  Open Cut, connecting CH. HA6+65 to DN1200 pige  Open Cut, connecting CH. HA6+65 to DN1200 pige  Open Cut, connecting CH. HA6+65 to DN1200 pige  18 Nov 21  18 Nov 21  18 Nov 21  18 Nov 22  18 Nov 22  18 Nov 22  18 Nov 21  18 Nov 22  18 Nov 21  18 Nov 20  18 No	Secretary   Secr		per 4m)(Only Internal Coating)						
Install inspection tee at Pit W 6 days 30 Sep '21 7 Oct '21 HK Working Day 505 507 0% NA NA Open Cut, connecting CH. HA5+55 to DN900 pipe 75 days 8 Oct '21 7 Jan '22 HK Working Day 506 0% NA NA NA Install inspection tee at Pit X & Construction of 40 days 30 Sep '21 17 Nov '21 HK Working Day 505 509 0% NA NA NA Chamber  Open Cut, connecting CH. HA6+63 to DN1200 pipe 140 days and 18 Nov '21 13 May '22 HK Working Day 508 0% NA NA NA Chamber  Open Trenth Pipe Laving at Pit Lam Road North 1314 days Nov '21 13 May '22 HK Working Day 508 0% NA NA NA CHAMBER C	Install inspection tee at Pit W 6 days 30 Sep '21 7 Oct '21 HK Working Day '505 507 0% NA NA NA Open Cut, connecting CH. HAS+55 to DN900 pipe 75 days 8 Oct '21 7 Jan '22 HK Working Day '506 0% NA NA NA Install inspection tee at Pit X & Construction of 40 days 30 Sep '21 17 Nov '21 HK Working Day 505 509 0% NA NA NA Chamber  Open Cut, connecting CH. HAS+65 to DN1200 pipe 140 days 30 Sep '21 17 Nov '21 HK Working Day 505 509 0% NA NA NA Chamber  Open Cut, connecting CH. HAS+65 to DN1200 pipe 140 days end at Pit X with DN900 Valve Chamber & DAV Chamber  Open Trench Pipe Laying at Po Lam Road North 314 days 7 Nov '17 14 Apr '22 HK Working Day 508 0% NA NA CHAMS+65 to InA7+66 (Depth < 2.5m, each TTA 30m 120 days length ) (Option 6)  CH.HCO+00 to HC3+17 (Depth < 2.5m, each TTA max. 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA 20m length) (Option 6)  Water Main Structure and Associated Pipe Support across the Natural Stream Gausse (CM. H80+80) 65 HK Working Day 514 Days 515 100% 5 May '20 16 Jun '20 515 1			3 days					
Open Cut, connecting CH. HA5+55 to DN900 pipe 75 days 8 Oct '21 7 Jan '22 HK Working Day 506 0% NA NA NA Install Inspection tee at Pit X & Construction of 40 days 30 Sep '21 17 Nov '21 HK Working Day 505 509 0% NA NA NA Chamber  Open Cut, connecting CH. HA6+63 to DN1200 pipe 140 days and the send at Pit X with DN900 Valve Chamber 8 DAV Chamber 9 DAV Chamber 8 DAV Chamber 9 DAV Chamber 9 DAV DAVE 14 DAV '21 14 Apr '22 HK Working Day 508 0% NA NA NA CHAM6+63 to HA7+66 (Depth < 2.5m, each TTA 30m 120 days 18 Nov '21 14 Apr '22 HK Working Day 474,512 0% NA NA Institute and Associated Pipe Support across the Natural Stream Course (CH. H80+030 CH. H80+030	Open Cut, connecting CH, HAS+55 to DN900 pipe   75 days   8 Oct '21   7 Jan '22   HK Working Day 506   0%   NA   NA		Grouting Works (30m per day)	2 days				NA	
Install inspection tee at Pit X & Construction of 40 days 30 Sep '21 17 Nov '21 HK Working Day 505 509 0% NA NA OA Chamber  Open Cut, connecting CH, HA6+63 to DM1200 pipe 140 days end at Pit X with DN900 Valve Chamber & DAV Chamber  Open Trench Pipe Laying at Po Lam Road North 1314 days 7 Nov '17 13 Apr '22 HK Working Day 643 0% NA NA CHAM6+63 to HA7+64 (Depth < 2.5m, each TTA 30m 120 days 18 Nov '21 14 Apr '22 HK Working Day 474,512 0% NA NA Intentity 10 (Diption G)  CH, HG0+00 to HG3+17 (Depth < 2.5m, each TTA max 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA 20m Hergith ) (Option G)  Water Main Structure and Associated Pipe Support across the Structur	Pend at Pit W Install inspection tee at Pit X & Construction of 40 days 30 Sep'21 17 Nov'21 HK Working Day 505 S09 0% NA NA NA Chamber Open Cut, connecting CH. HA6r63 to DN1200 pipe 140 days end at Pit X with DN900 Valve Chamber & DAV Chamber  Open Trench Pipe Laying at Pio Lam Boal North 1314 days 7 Nov'17 14 Apr'22 HK Working Day 508 0% NA NA NA CH.HA6r63 to HA7-46 (Depth < 2.5m, each TTA 30m 120 days 18 Nov'21 14 Apr'22 HK Working Day 474,512 0% NA NA NA Length ) (Option 6)  CH.HC0-00 to HC3-17 (Depth < 2.5m, each TTA max. 384 days 7 Nov'17 23 Feb'19 HK Working Day 511 0% NA NA  Water Main Structure and Associated Pipe Support across the  Water Main Structure and Associated Pipe Support across the  Design Submission (CE No. 55) for Water Main 37 days 5 May'20 16 Jun'20 HK Working Day 515 100% 5 May'20 16 Jun'20 Structure and Associated Pipe Support across the					507		NA	
Chamber  Open Cut, connecting CH. HAG+63 to DN1200 pipe 140 days end at Pit X with DN900 Valve Chamber & DAV Chamber  Open Trench Pipe Laying at Po Lam Road North 1314 days 7 Nov '17 14 Apr '22 HK Working Day 643 0% NA NA  CH.HAG+63 to HA7+46 (Depth < 2.5m, each TTA 30m 120 days length) (Option G)  CH.HC0+00 to HC3+17 (Depth < 2.5m, each TTA max. 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA  CH.HC0+00 to HC3+17 (Depth < 2.5m, each TTA max. 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA  Water Main Structure and Associated Pipe Support across the Natural Stream Course (CH. H80+80 GH. H80+80 GH. H80+80)  Design Submission (CE No. 55) for Water Main 37 days 5 May '20 16 Jun '20 HK Working Day 515 100% 5 May '20 16 Jun '20 Stracture and Associated Pipe Support across the	Chamber  Open Cut, connecting CH. HA6+63 to DN1200 pipe 140 days end at Pit X with DN900 Valve Chamber & DAV Chamber  Open Trench Pipe Laying at Po Lam Road North 1314 days 7 Nov 17 14 Apr '22 HK Working Day 643 0% NA NA  CH.HA6+63 to HA7+46 (Depth < 2.5m, each TTA 30m 120 days length) (Option G)  CH.HC0+00 to HC3+17 (Depth < 2.5m, each TTA max. 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA  CH.HC0+00 to HC3+17 (Depth < 2.5m, each TTA max. 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA  Water Main Structure and Associated Pipe Support across the Katural Stream Course (CH. H80+90 "CH. H80+90" CH. H80+90" CH. H80+90" CH. H80+90" CH. H80+90 "Structure and Associated Pipe Support across the Structure and Associated Pipe Support across the Stru			75 days	8 Oct '21 7 Jan '22 HK Working Day 506		0%	NA	NA
Open Trench Pipe Laying at Po Lam Road North 1314 days 7 Nov '17 14 Apr '22 HK Working Day 643 0% NA NA CH.HA6+63 to HA7+46 (Depth < 2.5m, each TTA 30m 120 days 18 Nov '21 14 Apr '22 HK Working Day 474,512 0% NA NA length ) (Option G)  CH.HC0+00 to HC3+17 (Depth < 2.5m, each TTA max. 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA 20m length) (Option G)  Water Main Structure and Associated Pipe Support 653 days 5 May '20 16 Jul '22 HK Working Day 515 100% 5 May '20 NA Structure and Associated Pipe Support 653 days 5 May '20 16 Jul '20 HK Working Day 515 100% 5 May '20 16 Jun '20 Structure and Associated Pipe Support across the Natural Stream Course (CH. H80+00 ~ CH. H80+94)	Open Trench Pipe Laying at Po Lam Road North 1314 days 7 Nov '17 14 Apr '22 HK Working Day 643 0% NA NA CH.HAG+63 to HA7+46 (Depth < 2.5m, each TTA 30m 120 days 18 Nov '21 14 Apr '22 HK Working Day 474,512 0% NA NA length ) (Option G)  CH.HCO+00 to HC3+17 (Depth < 2.5m, each TTA max. 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA 20m length) (Option G)  Water Main Structure and Associated Pipe Support across the Natural Stream Course (CH. H80+00 ** CH. H80+00 **			40 days	30 Sep '21 17 Nov '21 HK Working Day 505	509	0%	NA	NA
CH.HA6+63 to HA7+46 (Depth < 2.5m, each TTA 30m 120 days 18 Nov '21 14 Apr '22 HK Working Day 474,512 0% NA NA length (Option G)  CH.HC0+00 to HC3+17 (Depth < 2.5m, each TTA max. 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA 20m length) (Option G)  Water Main Structure and Associated Pipe Support 653 days 5 May '20 16 Jul '22 HK Working Day 643 19% 5 May '20 NA across the Natural Stream Course (CH. H80+90)  Design Submission (CE No. 55) for Water Main 37 days 5 May '20 16 Jun '20 HK Working Day 515 100% 5 May '20 16 Jun '20 Structure and Associated Pipe Support across the	CH.HA6+63 to HA7+46 (Depth < 2.5m, each TTA 30m 120 days 18 Nov '21 14 Apr '22 HK Working Day 474,512 0% NA NA length ) (Option G)  CH.HC0+00 to HC3+17 (Depth < 2.5m, each TTA max. 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA 20m length) (Option G)  Water Main Structure and Associated Pipe Support 653 days 5 May '20 16 Jul '22 HK Working Day 643 19% 5 May '20 NA across the Natural Stream Course (CH. H80+80 CH. H80+80 CH. H80+94)  Design Submission (CE No. 55) for Water Main 37 days 5 May '20 16 Jun '20 HK Working Day 515 100% 5 May '20 16 Jun '20 Structure and Associated Pipe Support across the		end at Pit X with DN900 Valve Chamber & DAV	e 140 days	18 Nov '21 13 May '22 HK Working Day 508		0%	NA	NA
Idength   (Option G)	length ) (Option G)  CH.HCO+00 to HC3+17 (Depth < 2.5m, each TTA max. 384 days 7 Nov '17 23 Feb '19 HK Working Day 511 0% NA NA 20m length) (Option G)  Water Main Structure and Associated Pipe Support 653 days 5 May '20 16 Jul '22 HK Working Day 643 19% 5 May '20 NA cH.HBO+94)  Design Submission (CE No. 55) for Water Main 37 days 5 May '20 16 Jun '20 HK Working Day 515 100% 5 May '20 16 Jun '20 Structure and Associated Pipe Support across the					643	24/5		NA F
20m length) (Option G)  Water Main Structure and Associated Pipe Support across the Natural Stream Course (CH. HB0+00 " CH. HB0+94)  Design Submission (CE No. 55) for Water Main 37 days 5 May '20 16 Jun '20 HK Working Day 515 100% 5 May '20 16 Jun '20 Structure and Associated Pipe Support across the	20m length) (Option G)  Water Main Structure and Associated Pipe Support 653 days 5. May '20 16 Jul '22 HK Working Day 643 19% 5 May '20 NA across the Natural Stream Caurse (CH. H80+80 CH. H80+94)  Design Submission (CE No. 55) for Water Main 37 days 5 May '20 16 Jun '20 HK Working Day 515 100% 5 May '20 16 Jun '20 Structure and Associated Pipe Support across the			n 120 days	18 Nov '21 14 Apr '22 HK Working Day 474,512		0%	NA	NA
across the Natural Stream Course (CH. HB0+00 " CH. HB0+94)  Design Submission (CE No. 55) for Water Main 37 days 5 May '20 16 Jun '20 HK Working Day 515 100% 5 May '20 16 Jun '20 Structure and Associated Pipe Support across the	across the Natural Stream Course (CH, HB0+00 ~ CH, HB0+00 ~ CH, HB0+94)  Design Submission (CE No. 55) for Water Main 37 days 5 May '20 16 Jun '20 HK Working Day 515 100% 5 May '20 16 Jun '20 Structure and Associated Pipe Support across the		20m length) (Option G)						NA
Structure and Associated Pipe Support across the	Structure and Associated Pipe Support across the		across the Natural Stream Course (CH. HBO+00 ~	653 days	5 May '20 16 Jul '22 HK Working Day	643	19%	5 May '20	NA
			Structure and Associated Pipe Support across the	37 days	5 May '20 16 Jun '20 HK Working Day	515	100%	5 May '20 16	Jun '20

Project: Mainlaying in Tseung Kwan O % Complete Actual Start Actual Finish Task Name Task Calendar 2018 2019 Qr 2, 2018 Qr 3, 2019 Qr 2, 2019 Qr 3, 2019 Qr 4, 2019 Qr 3, 2019 Q 515 WSD & GEO Review and Approve 121 days 17 Jun '20 15 Oct '20 Calendar Day 514 517.518 100% 17 Jun '20 15 Oct '20 516 NA Issue CE No. xx - Mini-pile Suppoty and Pipework 0 days 30 Nov '20 30 Nov '20 Calendar Day 519 0% across the Natural Stream Course 517 16 Oct '20 29 Nov '20 Calendar Day 515 0% NA TTA preparation, SLG meetings, obtain RA 45 days 518 90 days 16 Oct '20 13 Jan '21 Calendar Day 515 521.522 0% NA 519 NA 524 Material procurement for the issued CE 90 days 30 Nov '20 27 Feb '21 Calendar Day 516 520 31 Aug '20 16 Dec '20 HK Working Day 50% 31 Aug '20 Tree survey, TPRP approval and site clearance works 90 days 521 30 days 14 Jan '21 20 Feb '21 HK Working Day 518 523 0% NA 522 0% NA 14 Jan '21 7 May '21 HK Working Day 518 Design and Construction Working Platform on Slope 90 days 523 Pre-drilling works & confirmation of rock head and 30 days 22 Feb '21 27 Mar '21 HK Working Day 521 0% NA 524 NA 29 Mar '21 24 Aug '21 HK Working Day 519,523 Mini-pile Construction (2 Workfront) 120 days 525 25 Aug '21 19 Oct '21 HK Working Day 524 526 0% NA NA Loading Test (One Tensile & One Compression) 45 days 526 NA NA Construction Pile Caps and Piers 60 days 20 Oct '21 30 Dec '21 HK Working Day 525 527 0% 527 Temporary Working Platform for Pipe Installation 14 days 528 0% 31 Dec '21 17 Jan '22 HK Working Day 526 528 529 18 Jan '22 14 Mar '22 HK Working Day 527 Pipe Installation / Welding / Testing / Painting (~115m 45 days 529 0% 15 Mar '22 22 Apr '22 HK Working Day 528 30 days Concrete Hunching 530 23 Apr '22 29 Apr '22 HK Working Day 529 531 0% Apply top coating of aliphatic polyurethane on site 6 days 531 Remove Temporary Working Platform 3 days 30 Apr '22 4 May '22 HK Working Day 530 532.533 0% 532 5 May '22 16 Jul '22 HK Working Day 531 Open Cut. Connection to CH.HA7+50 60 days 533 5 May '22 16 Jul '22 HK Working Day 531 Open Cut. Connection to CH.HC0+00 60 days 534 ter Main Structure and Associated Pipe Support n Po Lam Road to Tsui Lam Road (CH. HD0+00 ~ CH. Design Submmission (CE No. 62) for Water Main 16 Jun '20 30 Nov '20 HK Working Day 536,538 81% 16 Jun '20 Structure and Associated at Tsui Lam (Location B) 1 Dec '20 30 Jan '21 Calendar Day 535 537,539 WSD & GEO Review and Approve 61 days 537 30 Jan '21 30 Jan '21 Calendar Day 536 NA Expected CE No. XX - Mini-pile support and pipework 0 days 538 0% TTA preparation, SLG meetings, obtain RA 60 days 1 Dec '20 29 Jan '21 Calendar Day 535 539 0% NA NA 31 Jan '21 30 Apr '21 Calendar Day 536 90 days Tender and Subletting 540 31 Jan '21 30 Apr '21 Calendar Day 537 0% NA 90 days Material procurement for the issued CE 541 Tree survey, TPRP approval and Tree Removal Works 150 days 21 Aug '20 22 Feb '21 HK Working Day 542 18% 21 Aug '20 NA 542 23 Feb '21 10 Mar '21 HK Working Day 541 Tree Removal Works & Site Clearance 14 days 543 Design and Construction Working Platform on Slope 90 days 3 May '21 18 Aug '21 HK Working Day 539 0% NA NA 19 Aug '21 23 Sep '21 HK Working Day 543 Pre-drilling works & confirmation of rock head and 30 days 545 546 Mini-pile Construction (2 Workfront) 60 days 24 Sep '21 4 Dec '21 HK Working Day 544 0% NA 546 6 Dec '21 29 Jan '22 HK Working Day 545 Loading Test (One Tensile & One Compression) 45 days NA 31 Jan '22 14 Apr '22 HK Working Day 546 Construction Pile Caps and Piers 60 days 548 19 Apr '22 5 May '22 HK Working Day 547 549 0% NΔ NA Temporary Working Platform for Pipe Installation 14 days 549 Pipe Installation / Welding / Testing / Painting 6 May '22 29 Jun '22 HK Working Day 548 550 0% NA NA (~115m) 30 Jun '22 4 Aug '22 HK Working Day 549 Concrete Hunching 30 days 551 5 Aug '22 11 Aug '22 HK Working Day 550 552 0% NA NA Apply top coating of aliphatic polyurethane on site 552 3 days 12 Aug '22 15 Aug '22 HK Working Day 551 553,554 0% NA 553 Open Cut, Connection to CH.HC3+17 with DAV 60 days 16 Aug '22 27 Oct '22 HK Working Day 552 554 Open Cut, Connection to CH.HEO+15 16 Aug '22 27 Oct '22 HK Working Day 552 0% NA NA 3 Aug '20 12 Nov '22 HK Working Day 2 Nov '20 5 Dec '20 HK Working Day 433 558,560 0% NA Batch No 3 - Temporary Works Design and 30 days 3 Aug '20 16 Sep '20 Calendar Day 429 TTA preparation, SLG meetings, obtain RA 45 days 558 Material procurement (DN800 MS PIPE & Butterfly 300 days 6 Dec '20 1 Oct '21 Calendar Day 430,556 0% NA Valve) for the issued CE 7 Dec '20 12 Mar '21 None Inspection Pit Excavation 77 days 7 Dec '20 22 Dec '20 HK Working Day 556 Inspection Pit Excavation at both side footpath of 14 days Inspection Pit Excavation for DN800 Connection at 21 days 23 Dec '20 19 Jan '21 HK Working Day 560 562 562 Inspection Pit Excavation for DN800 EMF & BV at 21 days 20 Jan '21 16 Feb '21 HK Working Day 561 563 568 Ω% NΔ CH.HE1+90

External Tasks

Critical Split

Manual Progress

Manual Summary Rollup

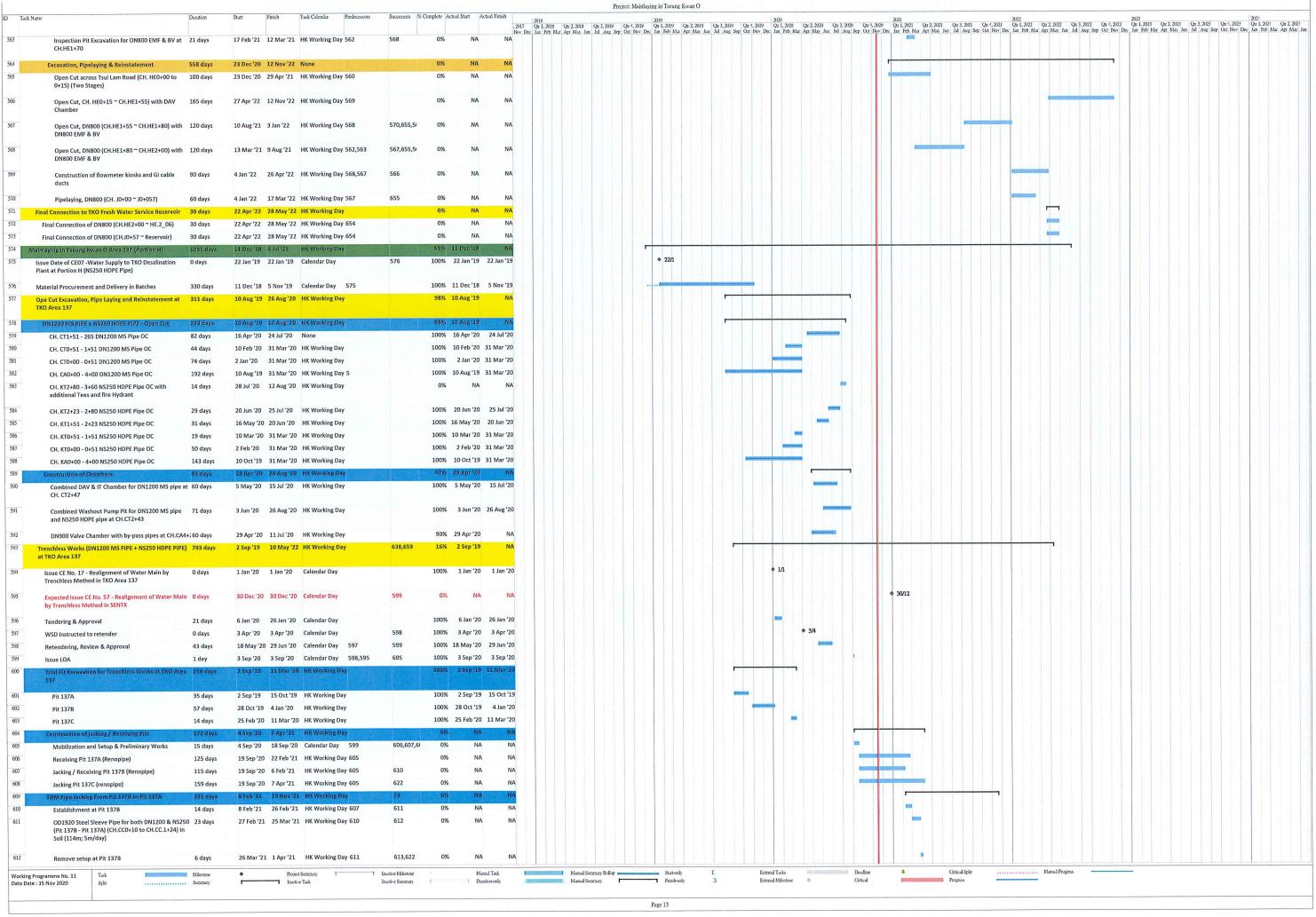
Inactive Milestone

Inactive Task

Summary

Working Programme No. 11

Manual Task



									Project: Mainlaying in Tseung Kwan O
Task Na	e	Duration	Start Finish Task Calendar	r Predecessors	Successors % Co	emplete Actual S	tart Actual Fi	. 2017	2018 2019 2019 2022 2022 2022 2022 2022 2022
	Setup for Pipe Laying inside jacking Pits B	6 days	8 Jul '21 14 Jul '21 HK Working	g Day 612,623	615	0%	NA	Nov Do	Dec Jan Feb Mar Arr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Arr May Jun Ju
	DN1200 MS Pipe Laying inside jacking pipe (114m) (8m per 3 day)	45 days	2 Aug '21 23 Sep '21 HK Working	g Day 615	616	0%	NA	NA	
	NS250 HDPE Pipe Laying inside jacking pipe (114m) (8m per day)	15 days	15 Jul '21 31 Jul '21 HK Working	g Day 613	614	0%	NA	NA	
	Formwork & Setup for Grouting the gap between pipe and Sleeve	3 days	24 Sep '21 27 Sep '21 HK Working	g Day 614	617	0%	NA	NA	
	Grouting Works (20 meter/day)	6 days	28 Sep '21 5 Oct '21 HK Working	g Day 616	618	0%	NA	NA	
	Pipe Laying (HB, BVB, Short Pipe), Thrust Block &	•	6 Oct '21 3 Nov '21 HK Working		619	0%	NA	NA	
	backfilling inside Pit 137A		The state of the s						
)	Remove ELS and Extract Sheetpile at Pit 137A	2 days	4 Nov '21 5 Nov '21 HK Working	g Day 618	620	0%	NA	NA	
	Pipe Laying (DN1200 MS Pipe & NS250 HDPE Pipe) From Pit 137A to CH.CC1+38 & KC1+38	12 days	6 Nov '21 19 Nov '21 HK Working	g Day 619		0%	NA	NA	
	TBM Pipe Jacking From Pit 137C to Pit 137B	322 days	8 Apr '21 10 May '22 HK Working			0%	NA	NA	
	Establishment at Pit 137C	24 days	8 Apr '21 6 May '21 HK Working		623	0%	NA	NA	
	OD1920 Steel Sleeve Pipe for both DN1200 & NS250 (Pit 137C - Pit 137B) (CH.CB0+00 to CH.CB.2+46) in Soil (246m; 5m/day)	50 days	7 May '21 7 Jul '21 HK Working	g Day 622	624,613	0%	NA	NA	
	Remove setup including thrust wall at Pit 137C	6 days	8 Jul '21 14 Jul '21 HK Working	ig Day 623	625	0%	NA	NA	
	Setup for Pipe Laying inside jacking Pit C	6 days	15 Jul '21 21 Jul '21 HK Working		627	0%	NA	NA	
	DN1200 MS Pipe Laying inside jacking pipe (246m) (3 days per 8m)		27 Aug '21 16 Dec '21 HK Working		628	0%	NA	NA	
	NS250 HDPE Pipe Laying inside jacking pipe (246m) (8m per day)	31 days	22 Jul '21 26 Aug '21 HK Working	g Day 625	626	0%	NA	NA	
	Formwork & Setup for Grouting the gap between pipe and Sleeve	3 days	17 Dec '21 20 Dec '21 HK Working	g Day 626	629	0%	NA	NA	
	Grouting Works (20 meter/day)	13 days	21 Dec '21 7 Jan '22 HK Working	ig Day 628	630	0%	NA	NA	
	Construction of Combined Inspection and Washout	60 days	8 Jan '22 22 Mar '22 HK Working	ig Day 629	632,631	0%	NA	NA	
	Chamber (Type III) at Pit 137C								
	Pipe Connection Inside Pit 137C	6 days	23 Mar '22 29 Mar '22 HK Working			0%	NA	NA	
	Pipe Laying (HB, BVB, Short Pipe), Thrust Block & backfilling inside Pit 137C	24 days	23 Mar '22 23 Apr '22 HK Working	g Day 630	633	0%	NA	NA	
	Remove ELS and Remove ELS and Extract Sheetpile a Pit 137C	it 12 days	25 Apr '22 10 May '22 HK Working	g Day 632		0%	NA	NA	
	inal Connection of NS250 HDPE Pipe to Existing at Wan P	Pc 14 days	17 Jun '22 4 Jul '22 HK Working	g Day 662		0%	NA	NA	
CC	1200 MS Pipe Static Pressure Test, Pipeline Cleaning, IV Inspection, Sterilization and Water Sampling		7 Nov '17 16 Jun '23 Calendar D			0%	NA	NA	
	Static Pressure Test  DN1200 MS Pipe - Static Pressure Test From DN900	838 days	1 Nov '20 16 Feb '23 Calendar D			0%	NA NA	NA NA	
	Valve Chamber at CH.CA4+24 to CH.CT.2+65	Jo days	THOU TO SO HOU TO CHICHUAI DE	-1		-70			
	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)		16 Sep '22 15 Oct '22 Calendar D	ay 71,593	646	0%	NA	NA	
9	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)		22 Sep '22 21 Oct '22 Calendar D	)ay 132,234	647	0%	NA	NA	
0	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 TKO Landfill Stage Area B (CH. FC 13+26)		9 Mar '22 7 Apr '22 Calendar D	Jay 230,298	648	0%	NA	NA	
11	DN1200 MS Pipe - Static Pressure Test From DN900 Valve Chamber at TKO Landfill Stage I Area B (CH. FC13+26) to DN900 Valve Chamber at CH. FD3+43	30 days	19 Noy '22 18 Dec '22 Calendar D	Day 289	642,649	0%	NA	NA	
12	DN1200 MS Pipe - Static Pressure Test From DN900 Valve Chamber at CH.FD 3+43 to DN900 Valve Chambe at Mau Wu Tsai (CH. HA6+45)		19 Dec '22 17 Jan '23 Calendar D	Day 341,347,428,45	52 650,643	0%	NA	NA	
43	DN1200 MS Pipe - Static Pressure Test From DN900 Valve at Mau Wu Tsai (CH.HA6+45) to DN800 EMF & B Chamber at TKO F.W.S.R.(CH. HE1+70)		18 Jan '23 16 Feb '23 Calendar D	Day 510,513,534,55	55 651	0%	NA	NA	
		2018 days	7 Nov '17 17 May '23 Calendar D	Day	653FF+30	0%	NA	NA F	<del>┼</del> <del>╏╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒</del>
4	Pipeline Cleaning and CCTV Inspection		7 Nov '17 4 Feb '18 Calendar D			0%	NA	NA -	
	DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN900 Valve Chamber at CH.CA4+24	90 days to							
645	DN1200 MS Pipe - Pipeline Cleaning and CCTV	90 days	16 Oct '22 13 Jan '23 Calendar D	Day 638		0%	NA	NA	
45	DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN900 Valve Chamber at CH.CA4+24 CH.CT.2+65  DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN900 Valve Chamber at CH.CA4+24	90 days		Day 638		0%	NA	NA	
645 646 Working Pr	DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN900 Valve Chamber at CH.CA4+24 CH.CT.2+65  DN1200 MS Pipe - Pipeline Cleaning and CCTV Inspection From DN900 Valve Chamber at CH.CA4+24 DN900 Valve Chamber at Wan Po Road (CH. A12+50)	90 days to	16 Oct '22 13 Jan '23 Calendar D	Ins			NA  Manual Task		Manual Sunnary Rolley