		Job No.	Sheet No.	Rev.				
AR	UP	256383	2	A				
711101		Member/Location						
Job Title	Shuen Wan Golf Course	Drg. Ref.	Drawing 2.2					
Calculation	Peak Sewage Flow of Proposed and Existing Sewerage Catchments	Made by SY	Date 02/2019	Chd. YL				

Table B1 Sewage Flow Estimation of the Proposed Development

Contributing Sewerage Catchment	ADWF (m³/day)	Peaking Factor	Peak Flow (l/s)	
The proposed development	485	6	33.71	

Table B2 Sewage Flow Estimation of the Existing Contributing Sewerage Catchment at upstream of Manhole FMH1027325 for the existing DN600 along Ting Kok Road

Contributing Sewerage Catchment ID (1)	No of Residents	Total Residents	UFF for (m³/day)	ADWF of Domestic Flow (m³/day)	ADWF of Commercial Flow ⁽²⁾ (m³/day)	Total ADWF (m³/day)	Total ADWF (m³/day)	Total ContributingP opulation	Peaking Factor	Total Peak Flow (l/s)
6	4,637	4,637	0.27	1,252	187.80	1,440				
Existing Shuen Wan		<u> </u>								
Site (3)		10	1,935	7,167	5	112				
Proposed		485								
Development			-			483				

- (1) Refer to Drawing 2.2 for location and extent of the contributing Sewerage Catchments in the vincinity of the proposed Golf Development. Based on the SIA of the upgrading works along Ting Kok Road under PWP No. 4403DS, sewage Flow from existing Sewage Catchment 1 to 5 will be collected by the upgraded TKR SPS No. 7 and further conveyed to TKR SPS No. 5 directly (not to the existing DN600 sewers along the Ting Kok Road any more). Sewage Flow from existing Sewage Catchment 1 to 5 will be collected by the upgraded TKR SPS No. 7 and further conveyed to TKR SPS No. 5 directly (not to the existing DN600 sewers along the Ting Kok Road any more) through the proposed rising mains and gravity sewers under the PWP No. 4403DS.
- (2) Assume the commercial sewage flow to be 15% of the domestic sewage flow considering the nature of the relevant sewage catchment
- (3) To be conservative, sewage flow of the eixisting Shuen Wan Site is based on the discharge limit of 10 m³/day for the sewage treatment facility to handle the sewage from the toilets of SWL golf driving range as stipulated in the WPCO license No. WT00021902-2015 (Part B)

Table R3 Sawage Flow Estimation of the Existing Contributing Sawarage Catchy ent at unstream of Manhole FMH1027333 for the existing DN600 along Ting Kok Dood

Contributing Sewerage Catchment ID (1)	No of Residents	Total Residents	UFF for (m³/day)	ADWF of Domestic Flow (m³/day)		Total ADWF (m³/day)	Total ADWF (m³/day)	Total ContributingP opulation	Peaking Factor	Total Peak Flow (l/s)
6	4,637	8,915	0.27	2,407	361.06	2,768				
7	4,278	.,,				,				
Existing Shuen Wan						10	3,263	12.087	4	151
Site (3)						10	3,203	12,007	4	131
Proposed						485				
Development						463				

- (1) Refer to Drawing 2.2 for location and extent of the contributing Sewerage Catchments in the vincinity of the proposed Golf Development. Based on the SIA of the upgrading works along Ting Kok Road under PWP No. 4403DS, sewage Flow from existing Sewage Catchment 1 to 5 will be collected by the upgraded TKR SPS No. 7 and further conveyed to TKR SPS No. 5 directly (not to the existing DN600 sewers along the Ting Kok Road any more). Sewage Flow from existing Sewage Catchment 1 to 5 will be collected by the upgraded TKR SPS No. 7 and further conveyed to TKR SPS No. 5 directly (not to the existing DN600 sewers along the Ting Kok Road any more)
- through the proposed rising mains and gravity sewers under the PWP No. 4403DS.

 (2) Assume the commercial sewage flow to be 15% of the domestic sewage flow considering the nature of the relevant sewage catchment
- (3) To be conservative, sewage flow of the eixisting Shuen Wan Site is based on the discharge limit of 10 m³/day for the sewage treatment facility to handle the sewage from the toilets of SWL golf driving range as stipulated in the WPCO license No. WT00021902-2015 (Part B)
- (4) To be conservative, assume the population for the southwest corner of the Sewerage Catchment 1 will be 100% of the total population within the sewerage catchment 1

Table B4 Sewage Flow Estimation of the Existing Contributing Sewerage Catchment at upstream TKR No. 5 SPS

Contributing Sewerage Catchment ID (1)	No of Residents	Total Residents	UFF for (m³/day)	ADWF of Domestic Flow (m³/day)	ADWF of Commercial Flow ⁽²⁾ (m³/day)	Total ADWF (m³/day)	Total ADWF (m³/day)	Total ContributingP opulation	Peaking Factor	Total Peak Flow (l/s)
1 (4)	2,450									
2	3,955									
3	1,310									
4	1,761	19,667	0.27	5,310	796.51	6,107				
5	1,276									
6	4,637						6,602	24,452	4	306
7	4,278									
Existing Shuen Wan						10				
Site (3)						10				
Proposed			_			485				
Development						463				

- (1) Refer to Drawing 2.2 for location and extent of the contributing Sewerage Catchments in the vincinity of the proposed Golf Development. Based on the SIA of the (1) Kere to Drawing 2.2.10r location and extent of the contributing Sewerage Catenments in the vinicinity of the proposed toolf Development. Based on the SIA of the upgrading works along Ting Kok Road under PWP No. 4403DS, sewage Flow from existing Sewage Catchment 1 to 5 will be collected by the upgraded TKR SPS No. 7 and further conveyed to TKR SPS No. 5 directly (not to the existing DN600 sewers along the Ting Kok Road any more). Sewage Flow from existing Sewage Catchment 1 to 5 will be collected by the upgraded TKR SPS No. 7 and further conveyed to TKR SPS No. 5 directly (not to the existing DN600 sewers along the Ting Kok Road any more) through the proposed rising mains and gravity sewers under the PWP No. 4403DS.

 (2) Assume the commercial sewage flow to be 15% of the domestic sewage flow considering the nature of the relevant sewage catchment
- (3) To be conservative, sewage flow of the eixisting Shuen Wan Site is based on the discharge limit of 10 m³/day for the sewage treatment facility to handle the sewage from the toilets of SWL golf driving range as stipulated in the WPCO license No. WT00021902-2015 (Part B)

 (4) To be conservative, assume the population for the southwest corner of the Sewerage Catchment 1 will be 100% of the total population within the sewerage catchment 1

