Prepared for

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PLANNING APPLICATION FOR PROPOSED COMPREHENSIVE DEVELOPMENT SCHEME TO INCLUDE WETLAND RESTORATION PROPOSAL AND PROPOSED FILLING OF PONDS/LAND AND EXCAVATION OF LAND IN "OU(CDWRA)" ZONE AT VARIOUS LOTS IN D.D. 104, NORTH OF KAM POK ROAD EAST, POK WAI, YUEN LONG, NEW TERRITORIES

SEWERAGE IMPACT ASSESSMENT



Date 12 June 2023

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Project Reference FDBNPWWREA00

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1. INTRODUCTION

- 1.1.1 The applicant proposes to develop the Application Site at various lots in DD104, north of Kam Pok Road East, Yuen Long, into a residential development cum wetland restoration area. The zoning of the Application Site is "Other Specified Uses Comprehensive Development to include Wetland Restoration Area" (OU(CDWRA)) on the approved Nam Sang Wai Outline Zoning Plan S/YL-NSW/8. A S16 application is required for the proposed development.
- 1.1.2 Ramboll Hong Kong Limited has been commissioned by the Project Proponent to conduct this Sewerage Impact Assessment (SIA) for the proposed development under this application. Architectural drawings and technical information of the Application Site were provided respectively by the project architect and other project team members.
- 1.1.3 The Application Site is also the subject of a previous planning application under the application no. A/YL-NSW/290 and a SIA report (R7191) was previously submitted in support of that planning application (Previous SIA). Since then, the layout plan of proposed development has been further reviewed taking into account the concerns of AFCD with respect to the layout of proposed wetland restoration area. Compared to the previous scheme in Previous SIA, the application boundary in current application remains the same. Thus, this SIA serves as an update to the above-mentioned previous submitted SIA report based on the current proposed development.

1.2 Application Site and its Environs

- 1.2.1 The Application Site is about 51,073 m², and it is immediate southeast of an existing low-rise residential development, Man Yuen Chuen and north of the Kam Pok Road East. The Application Site is currently occupied by abandoned fishponds located at the south-eastern portion of the Application Site.
- 1.2.2 **Figure 1.1** shows the location of the Application Site and the environs.

1.3 Proposed Development

- 1.3.1 The proposed development will comprise 114 units in 108 housing blocks of 3- to 5-storey high (i.e. 89 in the form of 2- to 4-storey on top of 1-level of communal basement carpark and 25 in 2-storey on top of 1-level of carport), clubhouse, an underground sewage pumping station (SPS) and a proposed wetland restoration area (WRA). The tentative population intake year of the Proposed Development is 2025.
- 1.3.2 The indicative Master Layout Plan (MLP) and sections of the Proposed Development are included in **Appendix 1.1.**



2. SEWERAGE IMPACT ASSESSMENT ("SIA")

2.1 Introduction

2.1.1 The Proposed Development is a comprehensive development scheme to include wetland restoration proposal. This section gives a brief discussion on the current environmental legislation and standards and assess the impacts arising from the proposed development. Recommendations of mitigation measures have been made if there is any adverse effect induced by the proposed development.

2.2 Existing and Planned Sewerage Infrastructure

- 2.2.1 The site currently falls within the Yuen Long / Kam Tin sewerage catchment and is classified as an unsewered area under the Yuen Long / Kam Tin Sewerage Master Plan (YLKT SMP). A set of existing 225mm public sewerage system (from feature no. MH540 to MH235) is identified along Kam Pok Road East, which is currently not in use and could serve the Project Site.
- 2.2.2 The existing Yuen Long Sewage Treatment Works (YLSTW) serves Yuen Long Town, Yuen Long Industrial Estate and Kam Tin areas with a design capacity of 70,000m³/day (ADWF). It provides primary and secondary treatments with effluent discharges to the Shan Pui River and then to Deep Bay.
- 2.2.3 The public sewerage facility located closest to the Project Site is Nam Sang Wai Sewage Pumping Station (SPS), as shown in **Figure 1.1**.

2.3 Assessment Methodology and Assumptions

2.3.1 An analysis of the capacity of the sewage pipes and the SPS has been carried out to evaluate the adequacy of the proposed sewerage system. The design assumptions and basis are shown in **Table 2-1**.

Table 2-1 Design Assumption and Basis

Items	Values
Design Standard	DSD Sewerage Design Manual, Part 1 & 2
Flow Formula Used	Colebrook White Formula
Unit Flow Factor	EPD Guideline for Estimating Sewerage Flows for Sewerage Infrastructure Planning (GESF)
	0.37 m ³ /d/head (Domestic, Private R3) for residents
	0.28 m ³ /d/head (Commercial, J11) for clubhouse staff

2.4 Estimate of Sewage Flow

2.4.1 The sewage flow to be generated from the projected residential population, as well as activities at the clubhouse and the associated facilities has been estimated following "EPD Guideline for Estimating Sewage Flows for Sewage Infrastructure Planning". Major contributions of sewage flow from the Proposed Development include projected residential population of 342 people. The estimated sewage flow is shown in **Table 2-2**.



Table 2-2 Estimated Sewage Flow from the Proposed Development

Calculation fo	r Sewerage Generatio	n Ra	ite of the Propos	ed Development
1.	Houses			
1a.	Total number of residential units	=	114	Units
1b.	Total number of residents	=	342	people – (Assume Average Household Size ¹ of 3.0)
1c.	Unit flow factor	-	370	litre/person/day – (Private R3 in Table T- 1 of GESF)
1d.	Sewerage generation rate	=	126.5	m³/day
2.	Clubhouse			
2a.	Total number of employees	=	34	employees
2b.	Unit flow factor	=	280	litre/employee/day - (J11 in Table T-2 of GESF)
2c.	Sewerage generation rate	=	9.5	m³/day
<mark>3.</mark>	Restaurant/ Catering Service			
<mark>3a.</mark>	Total number of customers	=	10	employees
3b.	Unit flow factor	=	1500	litre/employee/day -
				(J10 in Table T-2 of GESF)
<mark>3c</mark>	Sewerage generation rate	=	15	m³/day



Total Flow from Proposed Developm	ent		
Flow rate	=	<mark>151.1</mark>	m³/day
Contributing population *		<mark>504</mark>	People
Peaking factor	=	8	- (Table T-5 of GESF for population <1,000 incl. stormwater allowance)
Peak flow	=	14.00	litre/sec

Note:

- According to the submitted planning statement for current proposed development, the concerned dwellings will comprise 2-storeys to 4-storeys housing units with an average household size is assumed to be 3 people.
- 2. * according to the calculation method in GESF for the so-called "Contributing Population" for peaking factor selection.
- 2.4.2 The average flow and the peak flow from the Application Site will be approximately 151.1 m³/day and 14.0 L/s, respectively.

2.5 Sewerage Impact Assessment

- 2.5.1 It is proposed that the sewage generated from the Proposed Development will be discharges to the existing 225mm diameter sewer at the south of the Application Site for disposal at YLSTW via Nam Sang Wai SPS (Figure 2.1 refers). The hydraulic checking of existing and proposed sewers starting from the discharge point to Nam Sang Wai SPS is provided in Appendix 2.1 and it is found to be adequate to serve the Proposed Development with upgrading and modification works on several sewer segments.
- 2.5.2 There are existing stormwater pipe and box culvert along Pok Wai South Road, which are in vicinity of the proposed sewage system. The indicative cross-sectional drawings of the proposed sewers and the existing utilities are shown in **Figure 2.3 to 2.3**.
- 2.5.3 It is understood there are other planned development sites in vicinity, however, none of these have a solid development schedule at this moment. It is noted that proposed sewer P1 to P15 as shown in **Figure 2.1** should be communal which will also become public sewers. In order to ensure there is sufficient capacity reserved, a sensitivity test has also been undertaken and provided in **Appendix 2.2**. It is understood that the gravity sewer P1 to P15 should have sufficient capacity to cater the additional sewage of around 15,000 m³/d due to other nearby developments (**Appendix 4.1** refers). This is considered to be a very conservative approach. It is therefore suggested to provide twin 675 mm gravity sewers for sewer P1 to P15 along the Pok Wai Road. The design checking of proposed sewage system, considering a capacity of 15,000 m³/d from nearby developments, is provided in **Appendix 2.2**. As such, **Figure 2.1** shows the proposed sewerage taking into account other nearby planned development sites.



- 2.5.4 Based on the information provided by the Drainage Services Department (DSD), the design capacity of Nam Sang Wai SPS is 42,921 m³/day. Its design capacity of peak flow is 1,476 L/s as stated in the approved EIA Report for Comprehensive Development and Wetland Protection Near Yau Mei San Tsuen (Register No. AEIAR-189/2015). The sewage generation from the Application Site will take up about 0.36% of the design daily flow of the SPS, while take up 0.22% of YLSTW.
- 2.5.5 Based on the calculation in **Appendix 3.1** including the Proposed Development and other nearby planned development sites, there should be adequate capacity at Nam Sang Wai SPS to cater for the Proposed Development.
- 2.5.6 Subject to further liaison with DSD and the future developments, if any, near the Application Site, the sewerage system proposed within the Application Site and sewer for connection to existing 225mm diameter sewer at the south of the Application Site, will be a private property to be managed and maintained by the future management party of the Proposed Development. Regular inspection and maintenance will be conducted in accordance with Chapter 8 of DSD's Sewerage Manual in order to ensure normal operation, hence no blockage or overflow, of the proposed sewerage system. The project proponent will be responsible for the liaison and coordination with the other interfacing projects for the implementation of the required sewerage works in later stage.
- 2.5.7 For proposed sewer P1 to P15, as discussed above, it is noted that this section of proposed sewers should be public sewers. Thus, new connections from the adjacent lots on Government Land to the proposed sewerage system shall be allowed, if any. In that case the Applicant and the future owners of the Proposed Development shall hand over the sewers to DSD and ensure the sewerage system are constructed up to DSD standard.
- 2.5.8 The design details, including the alignment, location, diameter, length and invert levels of the proposed sewerage system, and the location and number of the proposed manholes, are still subject to the detailed design stage of the Project later on as well as relevant planning approval condition (if any) should more updated information about other planned developments be available. Since detailed design will only be available in later detailed design stage, the current SIA is prepared to illustrate the approach of sewerage arrangement for the Proposed Development for the purpose of this planning application. Further survey on underground utilities will normally be carried out during detailed design stage and the future design will take into account how to avoid those facilities. If necessary, should there be updated information on planned public sewers to be provided in the area, the Applicant will also consider feasibility of connecting to public sewer through the discharge of planning approval condition stage.

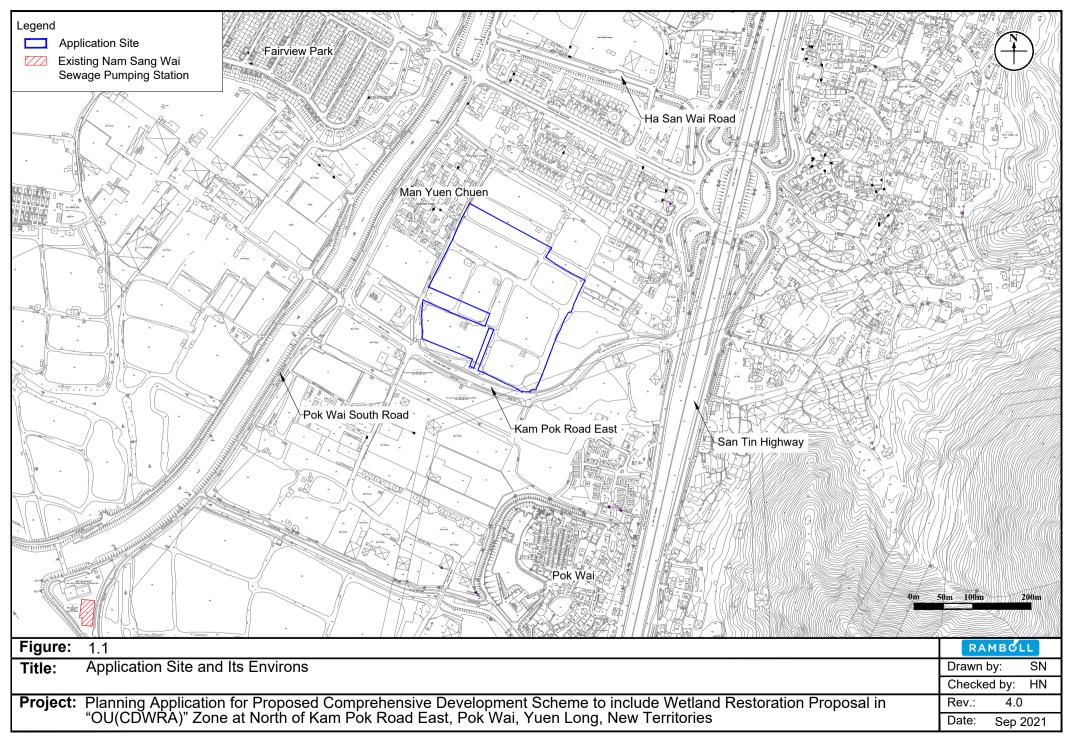
3. CONCLUSION

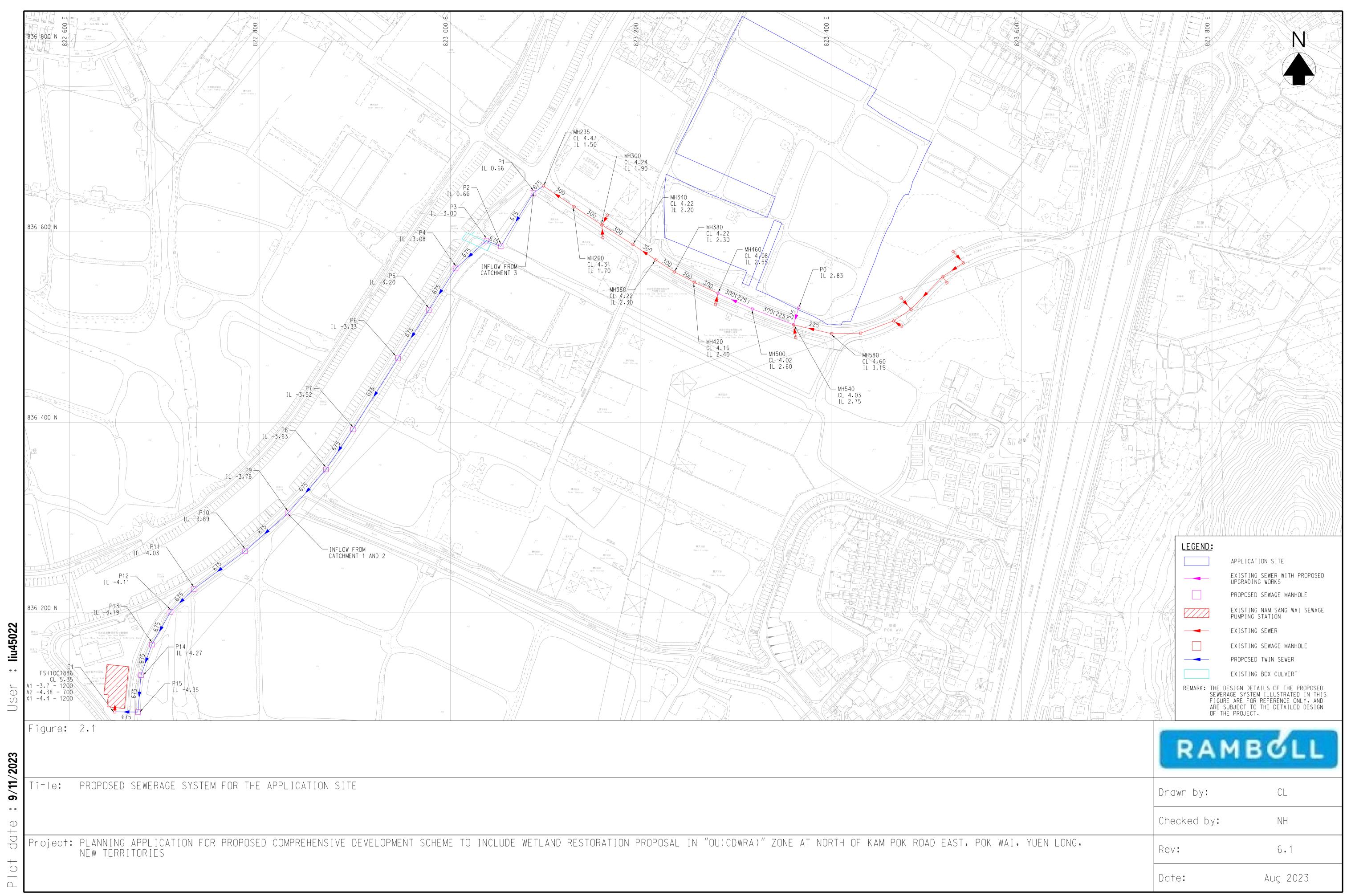
- 3.1.1 The proposed residential development area is located at Kam Pok Road East, Pok Wai, Yuen Long. There is a set of existing 225mm public sewerage system in the vicinity serving the Proposed Development. The Application Site, with a maximum of 342 residents, will generate an average daily sewage flow of 151.1 m³/d. It is proposed to be discharged to the existing 225mm public sewers, and further conveyed to existing Nam Sang Wai SPS.
- 3.1.2 Sewage generation from the Application Site will take up about 0.36% of the design capacity of Nam Sang Wai SPS. The capacity Nam Sang Wai Sewage Pumping Station is considered adequate to cater for the additional flow from the operation of the Proposed Development. Regular inspection and maintenance will be conducted in accordance with Chapter 8 of DSD's Sewerage Manual in order to ensure normal operation, hence no blockage or overflow, of the proposed sewerage system.
- 3.1.3 Based on the calculation, the existing and proposed sewers would have sufficient capacity to cater the sewage flow from the Proposed Development and other planned developments with proposed upgrading works. For proposed sewer P1 to P15, these should become public sewers to cater for sewage from other planned development sites. No adverse sewerage impact is anticipated from the operation of the Proposed Development. Thus, the Proposed Development is considered technically feasible from sewerage impact point of view. The project proponent will be responsible for the implementation of the required sewerage works.

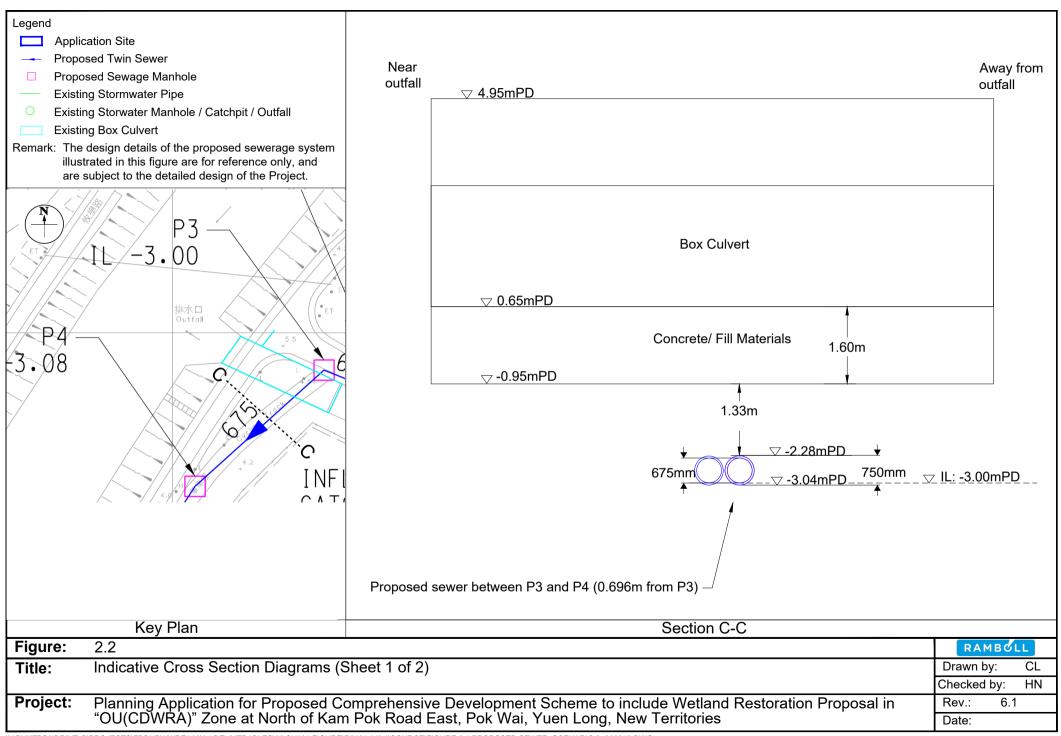


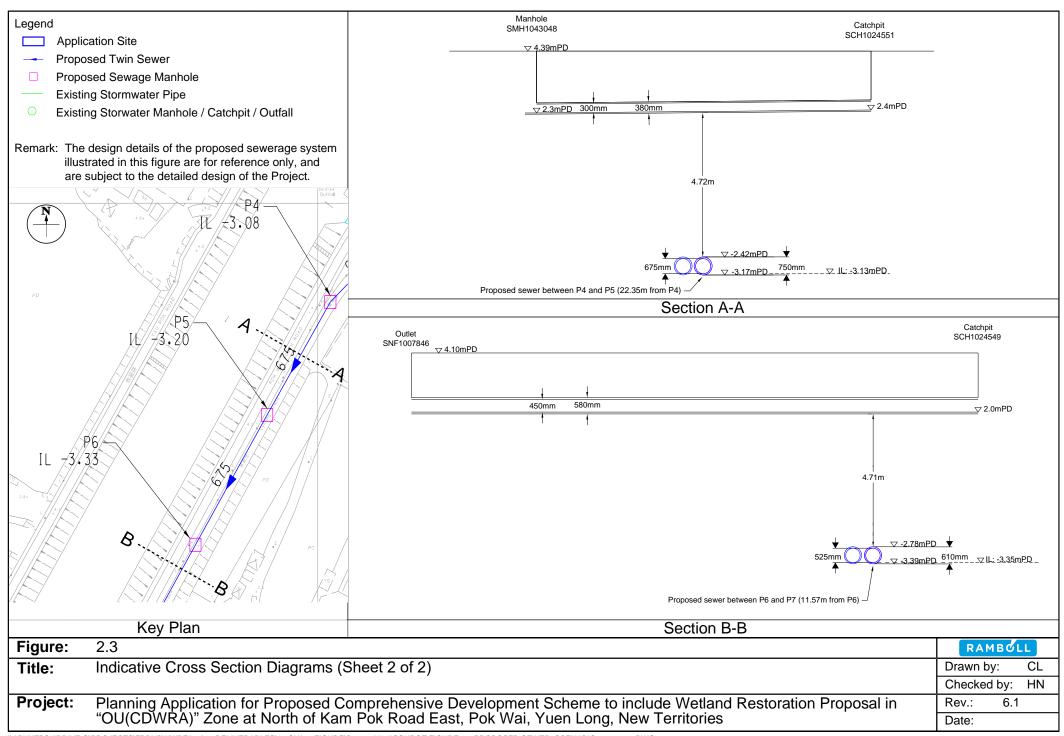
Figures











Appendix 1.1 Indicative Master Layout Plan



Please refer to the Planning Statement



Appendix 2.1 Hydraulic Calculation of the Proposed Sewers for the Application Site



Appendix 2.1 Hydraulic Calculation of the Proposed Sewers for the Application Site

Note:

1) Colebrook-White's equation is adopted for full-bore pipe velocity calculation.

		Upstream	Downstream									Design Peak	Full Bore	Full Bore	
	Diameter	Invert Level	Invert Level	Pipe Length	Gradient	Roughness	No.			Contributing	Peak	Flowrate	Velocity	Capacity	Utilization
Pipe	(mm)	(mPD)	(mPD)	(m)	(1 in)	(mm)	of Pipes	Inflow	ADWF (m ³ /s)	Population	Factor	(m ³ /s)	(m/s)	(m^3/s)	(%)
P0 to MH540	225	2.83	2.70	18.910	145	3.000	1	Proposed Deve.	0.0016	504	8	0.013	1.453	0.058	21.8%
MH540 to MH500	300 (225)	2.70	2.58	46.020	384	3.000	1	Proposed Deve.	0.0016	504	8	0.013	1.029	0.073	17.3%
MH500 to MH460	300 (225)	2.58	2.48	39.640	396	3.000	1	Proposed Deve.	0.0016	504	8	0.013	1.011	0.071	17.6%
MH460 to MH420	300	2.48	2.40	27.370	342	3.000	1	Proposed Deve.	0.0016	504	8	0.013	1.096	0.077	16.3%
MH420 to MH380	300	2.40	2.34	23.630	394	3.000	1	Proposed Deve.	0.0016	504	8	0.013	1.014	0.072	17.6%
MH380 to MH380(1)	300	2.34	2.28	23.230	387	3.000	1	Proposed Deve.	0.0016	504	8	0.013	1.024	0.072	17.4%
MH380(1) to MH340	300	2.28	2.20	28.910	361	3.000	1	Proposed Deve.	0.0016	504	8	0.013	1.063	0.075	16.8%
MH340 to MH300	300	2.10	1.90	38.240	191	3.000	1	Proposed Deve.	0.0016	504	8	0.013	1.508	0.107	11.8%
MH300 to MH260	300	1.90	1.70	34.900	175	3.000	1	Proposed Deve.	0.0016	504	8	0.013	1.586	0.112	11.2%
MH260 to MH235	300	1.70	1.50	38.840	194	3.000	1	Proposed Deve.	0.0016	504	8	0.013	1.495	0.106	11.9%
MH235 to P1	300	1.50	0.80	12.590	18	3.000	1	Proposed Deve.	0.0016	504	8	0.013	5.448	0.385	3.3%
P1 to P2 *	675	-0.90	-2.60	65.790	39	3.000	2	Proposed Deve.	0.0016	504	8	0.013	5.992	4.289	0.3%
P2 to P3 *	675	-2.60	-3.00	16.250	41	3.000	2	Proposed Deve.	0.0016	504	8	0.013	5.838	4.178	0.3%
P3 to P4 *	675	-3.00	-3.10	43.380	434	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.624	1.163	1.1%
P4 to P5 *	675	-3.10	-3.20	52.150	522	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.469	1.052	1.2%
P5 to P6 *	675	-3.20	-3.33	59.790	460	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.573	1.126	1.1%
P6 to P7 *	675	-3.33	-3.52	88.210	464	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.565	1.120	1.1%
P7 to P8 *	675	-3.52	-3.63	50.460	459	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.576	1.128	1.1%
P8 to P9 *	675	-3.63	-3.76	61.240	471	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.553	1.111	1.1%
P9 to P10 *	675	-3.76	-3.89	59.460	457	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.578	1.129	1.1%
P10 to P11 *	675	-3.89	-4.03	67.200	480	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.537	1.100	1.1%
P11 to P12 *	675	-4.03	-4.11	34.060	426	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.641	1.174	1.1%
P12 to P13 *	675	-4.11	-4.19	39.540	494	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.513	1.083	1.2%
P13 to P14 *	675	-4.19	-4.27	33.830	423	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.647	1.179	1.1%
P14 to P15 *	675	-4.27	-4.35	38.830	485	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.528	1.094	1.2%
P15 to E1	675	-4.35	-4.38	23.630	788	3.000	2	Proposed Deve.	0.0016	504	8	0.013	1.173	0.840	1.5%

Remark: * Diameter of current proposed sewers taking into account other nearby planned development sites. The detailed design, alignment, location, and exact diameter of proposed sewers will be reviewed and subject to detailed design stage later on.

Appendix 2.2 Hydraulic Calculation of the Proposed Sewers for the Application Site (Sensitivity Test)



Appendix 2.2 Hydraulic Calculation of the Proposed Sewers for the Application Site (Sensitivity Analysis)

Note:

- Colebrook-White's equation is adopted for full-bore pipe velocity calculation.
 Backwash Flowrate generated by swimming pool from developments, if any, has been included in the Design Peak Flowrate.

Other Plnned Deve. ASDF	=	15000	m3/day	Proposed Deve. ASDF	=	151.1	m3/day
	=	15000/3600/24			=	151.1/3600/24	
	=	0.173611111	m3/s		=	0.001748843	m3/s

Pipe	Diameter (mm)	Upstream Invert Level (mPD)	Downstream Invert Level (mPD)	Pipe Length (m)	Gradient (1	Roughness (mm)	No. of Pipes	Inflow	ADWF (m ³ /s)	Contributing Population	Peak Factor	Design Peak Flowrate (m ³ /s)	Full Bore Velocity (m/s)	Full Bore Capacity (m ³ /s)	Utilization (%)
P0 to MH540	225	2.83	2.70	18.910	145	3.000	1	Proposed Deve.	0.0017	560	8	0.014	1.453	0.058	24.2%
MH540 to MH500	300 (225)	2.70	2.58	46.020	384	3.000	1	Proposed Deve.	0.0017	560	8	0.014	1.029	0.073	19.2%
MH500 to MH460	300 (225)	2.58	2.48	39.640	396	3.000	1	Proposed Deve.	0.0017	560	8	0.014	1.011	0.071	19.6%
MH460 to MH420	300	2.48	2.40	27.370	342	3.000	1	Proposed Deve.	0.0017	560	8	0.014	1.096	0.077	18.1%
MH420 to MH380	300	2.40	2.34	23.630	394	3.000	1	Proposed Deve.	0.0017	560	8	0.014	1.014	0.072	19.5%
MH380 to MH380(1)	300	2.34	2.28	23.230	387	3.000	1	Proposed Deve.	0.0017	560	8	0.014	1.024	0.072	19.3%
MH380(1) to MH340	300	2.28	2.20	28.910	361	3.000	1	Proposed Deve.	0.0017	560	8	0.014	1.063	0.075	18.6%
MH340 to MH300	300	2.10	1.90	38.240	191	3.000	1	Proposed Deve.	0.0017	560	8	0.014	1.508	0.107	13.1%
MH300 to MH260	300	1.90	1.70	34.900	175	3.000	1	Proposed Deve.	0.0017	560	8	0.014	1.586	0.112	12.5%
MH260 to MH235	300	1.70	1.50	38.840	194	3.000	1	Proposed Deve.	0.0017	560	8	0.014	1.495	0.106	13.2%
MH235 to P1	300	1.50	0.80	12.590	18	3.000	1	Proposed Deve.	0.0017	560	8	0.014	5.448	0.385	3.6%
P1 to P2	675	-0.90	-2.60	65.790	39	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	5.992	4.289	16.3%
P2 to P3	675	-2.60	-3.00	16.250	41	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	5.838	4.178	16.7%
P3 to P4	675	-3.00	-3.10	43.380	434	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.624	1.163	60.2%
P4 to P5	675	-3.10	-3.20	52.150	522	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.469	1.052	66.5%
P5 to P6	675	-3.20	-3.33	59.790	460	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.573	1.126	62.1%
P6 to P7	675	-3.33	-3.52	88.210	464	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.565	1.120	62.5%
P7 to P8	675	-3.52	-3.63	50.460	459	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.576	1.128	62.0%
P8 to P9	675	-3.63	-3.76	61.240	471	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.553	1.111	62.9%
P9 to P10	675	-3.76	-3.89	59.460	457	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.578	1.129	61.9%
P10 to P11	675	-3.89	-4.03	67.200	480	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.537	1.100	63.6%
P11 to P12	675	-4.03	-4.11	34.060	426	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.641	1.174	59.6%
P12 to P13	675	-4.11	-4.19	39.540	494	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.513	1.083	64.6%
P13 to P14	675	-4.19	-4.27	33.830	423	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.647	1.179	59.4%
P14 to P15	675	-4.27	-4.35	38.830	485	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.528	1.094	64.0%
P15 to E1	675	-4.35	-4.38	23.630	788	3.000	2	Other Planned Deve., Proposed Deve.	0.1754	56,115	3.98989	0.700	1.173	0.840	83.3%

Appendix 3.1 Capacity Checking of Nam Sang Wai Sewage Pumping Station



Binnies Hong Kong Limited



Project Planning Application for Proposed

Comprehensive Development Scheme to include Wetland

Restoration Proposal in "OU(CDWRA)" Zone at North of Kam Pok Road East, Pok Wai, Yuen Long, New Territories

Subject Appendix 3.1 Capacity Checking of Nam Sang Wai Sewage Pumping Station (Daily Flow)

Design daily flow for Nam Sang Wai SPS, <i>Fcap</i>	=	41921.0	m ³ /d	
Existing Situation				
Average Daily Flow	=	3900	m³/d	
Average Daily Flow, F ₁	=	3900	m ³ /d	
Capacity Checking of Casam SPS				
Proposed Development, F _{pro}	=	151.1	m ³ /d	
Planned Development, F_{pl}	=	15000.0	m³/d	
Total Sewage Generation, F_{est}	=	$F_1 + F_{pro} + F_{pl}$		
	=	19051.1	m ³ /d	
Catchment Inflow Factor (Yuen Long)	=	1.0		
Total Daily Flow to Casam SPS, <i>Ftotal</i>	=	F _{est} * 1.0		
	=	19051.1	m ³ /d	
	<	Fcap		<u>0K</u>

Appendix 4.1 Correspondence of Sewage Capacity of Nearby Planned Development sites



Cheong, Kathy

寄件者: sftsang@epd.gov.hk 寄件日期: 2023年6月6日星期二 16:33

收件者: Leung, Kar Kim

jackson@epd.gov.hk; cwkong@epd.gov.hk; Cheong, Kathy; Crystal Lui; Henry Ng; Lo, Edwin 副本: Re: Planning Application A/YL-NSW/314 - Requestion Information for Cumulative Impact in SIA 主旨:

Dear Mr. Leung

As spoken, the gravity sewer P1 to P15 should have sufficient capacity to cater the sewage of around 15,000 m3/d from nearby developments. We suggest to provide twin 675 mm gravity sewers for sewer P1 to P15 along the Pok Wai Road.

Regards

Matthew TSANG E(SI)42 SIG/EPD 3107 8417

From: "Leung, Kar Kim" <leungkk@binnies.com> "sftsang@epd.gov.hk" <sftsang@epd.gov.hk> To:

Henry Ng <hng@ramboll.com>, Crystal Lui <CRYSTALLUI@ramboll.com>, "Lo, Edwin" <LoCH@binnies.com>, "Cheong, Kathy" <CheongKy@binnies.com> Cc:

02/06/2023 17:46 Date:

Planning Application A/YL-NSW/314 - Requestion Information for Cumulative Impact in SIA Subject:

Dear Mr. Tsang,

Further to our phone discussion earlier today and referring to your comment 3.ii. on our SIA; advising that the sewer between P1 to P15 would become a public sewer that should provide sufficient capacity for other planned developments in the vicinity, we would like to request the relevant information/capacity requirements for our incorporation into our SIA and proposed preliminary sewerage scheme.

Also, seems like I don't have the contact information for the colleague you mentioned is the normal contact for the captioned planning application, please feel free to include him/her in the email circulation with your reply email.

Should you have any queries, please feel free to contact me.

Best Regards,

Kim Leung **Principal Engineer BINNIES HONG KONG LIMITED**







+852 26013988



eungkk@binnies.com

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