

ID	Description	Total Population 2030	OZP Zoning	Building Type	Indoor Ratio	Percentage of Occupancy				Population at Year 2030				Remark of Population Estimation
						Weekday Daytime	Weekday Night-time	Weekend Daytime	Weekend Night-time	Weekday Daytime	Weekday Night-time	Weekend Daytime	Weekend Night-time	
1a	Leon Court, Leon House, Green Garden & other village houses	446	V	Residential	0.95	0.5	1	0.7	1	223	446	313	446	Site Survey. There are 56 village houses, assume 3 flats per house, a total of 168 households. According to data for Years 2026 and 2031 of 2014 TPEDM, the average household size in PDZ 232 is estimated to be 2.63.
1b	Open Storage Area	5	V	Open Storage	0	1	0.1	1	0.1	5	1	5	1	Density of Industrial Estate (75m <sup>2</sup> /worker)
2	Ng Uk Tsuen	915	V	Residential	0.95	0.5	1	0.7	1	458	915	641	915	Site Survey. There are 115 village houses, assume 3 flats per house, a total of 345 households. According to data for Years 2026 and 2031 of 2014 TPEDM, the average household size in PDZ 232 is estimated to be 2.63.
3	Jade Court, Lai Yin Garden & other village houses	374	V	Residential	0.95	0.5	1	0.7	1	187	374	262	374	Site Survey. There are 47 village houses, assume 3 flats per house, a total of 141 households. According to data for Years 2026 and 2031 of 2014 TPEDM, the average household size in PDZ 232 is estimated to be 2.63.
4	Open Storage Area	4	CA	Open Storage	0	1	0.1	1	0.1	4	1	4	1	Density of Industrial Estate (75m <sup>2</sup> /worker)
5a	Village houses	16	CA	Site Office	0.5	1	0.1	0.5	0.1	16	2	8	2	Site Survey. There are three 2-storey village houses, a total of 6 households. According to data for Years 2026 and 2031 of 2014 TPEDM, the average household size in PDZ 232 is estimated to be 2.63.
5b	Open Storage Area	2	CA	Site Office	0.5	1	0.1	0.5	0.1	2	1	1	1	Density of Industrial Estate (75m <sup>2</sup> /worker)
6	Dunwell	47	OU	Industrial	0.95	1	0.1	0.5	0.1	47	5	24	5	Density of Industrial Estate (75m <sup>2</sup> /worker)
7	Eu Yan San Centre	170	OU	Industrial	0.95	1	0.1	0.5	0.1	170	17	85	17	Density of Industrial Estate (75m <sup>2</sup> /worker)
8	Vogue Laundry	414	OU	Industrial	0.95	1	0.1	0.5	0.1	414	42	207	42	Density of Industrial Estate (75m <sup>2</sup> /worker)
9	Yau Sang Galvanizers (Hot-Dip) Co Ltd	68	OU	Industrial	0.95	1	0.1	0.5	0.1	68	7	34	7	Density of Industrial Estate (75m <sup>2</sup> /worker)
10	Kyowa Industrial Co Ltd	36	OU	Industrial	0.95	1	0.1	0.5	0.1	36	4	18	4	Density of Industrial Estate (75m <sup>2</sup> /worker)
11	Acme Agent	50	OU	Industrial	0.95	1	0.1	0.5	0.1	50	5	25	5	Density of Industrial Estate (75m <sup>2</sup> /worker)
12	TDK Manufacturing (HK) Co Ltd	81	OU	Industrial	0.95	1	0.1	0.5	0.1	81	9	41	9	Density of Industrial Estate (75m <sup>2</sup> /worker)
13	San Miguel Brewery Hong Kong Limited	959	OU	Industrial	0.95	1	0.1	0.5	0.1	959	96	480	96	Density of Industrial Estate (75m <sup>2</sup> /worker)
14	Topline Machinery (China) Co Ltd	207	OU	Industrial	0.95	1	0.1	0.5	0.1	207	21	104	21	Density of Industrial Estate (75m <sup>2</sup> /worker)
15	Bus Depot	41	OU	Open Carpark	0	1	0.1	1	0.1	41	5	41	5	Accordint to site survey, there are 37 workers in year 2018. Based on the 2014 TPEDM, the annual growth rate for employment in PDZ 232 from 2014 to 2031 is 0.68%. The population in Year 2030 is projected based on existing population with annual growth rate of 0.68%.
16	Eu Yan San Centre	306	OU	Industrial	0.95	1	0.1	0.5	0.1	306	31	153	31	Density of Industrial Estate (75m <sup>2</sup> /worker)
17	Wai Yuen Tong Co Ltd	327	OU	Industrial	0.95	1	0.1	0.5	0.1	327	33	164	33	Density of Industrial Estate (75m <sup>2</sup> /worker)
18	Fung Shing Steel Co., Ltd.	23	OU	Industrial	0.95	1	0.1	0.5	0.1	23	3	12	3	Density of Industrial Estate (75m <sup>2</sup> /worker)
19	Hong Kong Petrochemical Co. Ltd	247	OU	Industrial	0.95	1	0.1	0.5	0.1	247	25	124	25	Density of Industrial Estate (75m <sup>2</sup> /worker)

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20	Nestle Hong Kong Limited	347	OU	Industrial	0.95	1	0.1	0.5	0.1	347	35	174	35	Density of Industrial Estate (75m <sup>2</sup> /worker)
21	Bright Future Pharmaceutical Laboratories Ltd	91	OU	Industrial	0.95	1	0.1	0.5	0.1	91	10	46	10	Density of Industrial Estate (75m <sup>2</sup> /worker)
22	Noble Phoenix Investments Limited (unoccupied)	0	OU	Industrial	0.95	1	0.1	0.5	0.1	0	0	0	0	Site Survey
23	EMIX Industry (HK) Limited	38	OU	Industrial	0.95	1	0.1	0.5	0.1	38	4	19	4	Accordint to site survey, there are 35 workers in year 2018. Based on the 2014 TPEDM, the annual growth rate for employment in PDZ 232 from 2014 to 2031 is 0.68%. The population in Year 2030 is projected based on existing population with annual growth rate of 0.68%.
24	Vacant	0	OU	Open Area	0	1	0.1	1	0.1	0	0	0	0	Site Survey
25	Bright Future Pharmaceutical Laboratories Ltd	79	OU	Industrial	0.95	1	0.1	0.5	0.1	79	8	40	8	Density of Industrial Estate (75m <sup>2</sup> /worker)
26	Bright Future Pharmaceutical Laboratories Ltd	48	OU	Industrial	0.95	1	0.1	0.5	0.1	48	5	24	5	Density of Industrial Estate (75m <sup>2</sup> /worker)
27	Viva Manufacturing Limited	270	OU	Industrial	0.95	1	0.1	0.5	0.1	270	27	135	27	Density of Industrial Estate (75m <sup>2</sup> /worker)
28	ClearWaterBay Technology Limited	21	OU	Industrial	0.95	1	0.1	0.5	0.1	21	3	11	3	Density of Industrial Estate (75m <sup>2</sup> /worker)
29	Toppan Forms Card Technologies Ltd	49	OU	Industrial	0.95	1	0.1	0.5	0.1	49	5	25	5	Density of Industrial Estate (75m <sup>2</sup> /worker)
30	Ushio Hong Kong Limited	68	OU	Industrial	0.95	1	0.1	0.5	0.1	68	7	34	7	Density of Industrial Estate (75m <sup>2</sup> /worker)
31	Bus Depot / Amenity Area	0	OU	Open Area	0	1	0.1	1	0.1	0	0	0	0	Site Survey
32	Vacant	0	OU	Open Area	0	1	0.1	1	0.1	0	0	0	0	Site Survey
33	Nam Sang Wai	45	OU	Open Area	0	1	0.1	1	0.1	45	5	45	5	Site Survey. Visitors were found picnicking or playing remote control planes / motors on the lawn during the survey.
34	Village House	6	OU	Residential	0.95	0.5	1	0.7	1	3	6	5	6	Site Survey
35	Village House	3	CA	Residential	0.95	0.5	1	0.7	1	2	3	3	3	Site Survey
36	Co-use Area User	200	OU	Open Area	0.00	1.00	0.00	1.00	0.00	200	0	200	0	Design Population by Project's Proponent
R1	Wang Lok Street	12	Road	Road	0.00	1.00	1.00	1.00	1.00	12	12	12	12	Taffic Impact Assessment for this Project.
R2	Wang Lee Street	15	Road	Road	0.00	1.00	0.87	1.00	0.87	15	13	15	13	Taffic Impact Assessment for this Project.
R3	Fuk Hi Street	11	Road	Road	0.00	1.00	0.91	1.00	0.91	11	10	11	10	Taffic Impact Assessment for this Project.
R4	Fuk Yan Street	8	Road	Road	0.00	1.00	0.88	1.00	0.88	8	7	8	7	Taffic Impact Assessment for this Project.
R5	Fuk Wang Street	11	Road	Road	0.00	1.00	0.91	1.00	0.91	11	10	11	10	Taffic Impact Assessment for this Project.
R6	Nam Sang Wai Road	350	Road	Nam Sang Wai Road	0.00	1.00	0.10	1.00	0.10	350	35	350	35	Site Survey. Cyclists and pedestrians were observed along Nam Sang Wai Road (~ 3.5m wide) during the site survey. The speed of cyclists and pedestrians was estimated to be around 16 km/hr and 5 km/hr respectively.

## Estimation of Road Population

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2030)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
R1 - Wang Lok Street													
Wang Lok Street (NB)	0.68	50	0	8	4	2	2	4	9	0	1	3	34
Wang Lok Street (SB)	0.68	50	1	20	9	6	3	7	14	1	1	3	65
Total Vehicle per hour	-	-	1	28	13	8	5	11	24	2	1	6	99
Person per vehicle <sup>[1]</sup>	-	-	1.1	1.4	1.9	3.6	11.4	1.4	1.2	16.4	16.1	34.4	-
No. of Person	-	-	1	1	1	1	1	1	1	1	1	3	12
Person (%)	-	-	8%	8%	8%	8%	8%	8%	8%	8%	8%	25%	100%
R2 - Wang Lee Street													
Wang Lee Street (EB)	0.93	50	1	22	10	6	3	7	23	1	1	3	77
Wang Lee Street (WB)	0.93	50	0	11	4	3	2	4	18	1	1	3	47
Total Vehicle per hour	-	-	1	33	14	8	5	11	41	2	1	6	123
Person per vehicle <sup>[1]</sup>	-	-	1.1	1.4	1.9	3.6	11.4	1.4	1.2	16.4	16.1	34.4	-
No. of Person	-	-	1	1	1	1	2	1	1	1	1	5	15
Person (%)	-	-	7%	7%	7%	7%	13%	7%	7%	7%	7%	33%	100%
R3 - Fuk Hi Street													
Fuk Hi Street (EB)	0.27	50	1	19	9	5	4	8	26	1	0	3	76
Fuk Hi Street (WB)	0.27	50	0	10	4	3	3	4	17	0	1	3	44
Total Vehicle per hour	-	-	1	29	13	7	6	12	43	2	1	6	120
Person per vehicle <sup>[1]</sup>	-	-	1.1	1.4	1.9	3.6	11.4	1.4	1.2	16.4	16.1	34.4	-
No. of Person	-	-	1	1	1	1	1	1	1	1	1	2	11
Person (%)	-	-	9%	9%	9%	9%	9%	9%	9%	9%	9%	18%	100%
R4 - Fuk Yan Street													
Fuk Yan Street (NB)	0.24	50	0	8	4	2	0	2	4	1	0	0	21
Fuk Yan Street (SB)	0.24	50	0	11	5	3	1	2	4	1	0	0	28
Total Vehicle per hour	-	-	1	19	9	5	1	4	8	1	0	0	49
Person per vehicle <sup>[1]</sup>	-	-	1.1	1.4	1.9	3.6	11.4	1.4	1.2	16.4	16.1	34.4	-
No. of Person	-	-	1	1	1	1	1	1	1	1	0	0	8
Person (%)	-	-	13%	13%	13%	13%	13%	13%	13%	13%	0%	0%	100%
R5 - Fuk Wang Street													
Fuk Wang Street (EB)	0.29	50	1	20	9	6	1	5	13	1	1	3	60
Fuk Wang Street (WB)	0.29	50	1	24	12	7	0	12	27	1	1	4	89
Total Vehicle per hour	-	-	2	44	21	12	1	17	40	3	1	7	148
Person per vehicle <sup>[1]</sup>	-	-	1.1	1.4	1.9	3.6	11.4	1.4	1.2	16.4	16.1	34.4	-
No. of Person	-	-	1	1	1	1	1	1	1	1	1	2	11
Person (%)	-	-	9%	9%	9%	9%	9%	9%	9%	9%	9%	18%	100%

Note:

[1] Person per vehicle is based on the occupancy in Year 2017 from Screenline T-T from Transport Department - The Annual Traffic Census 2017

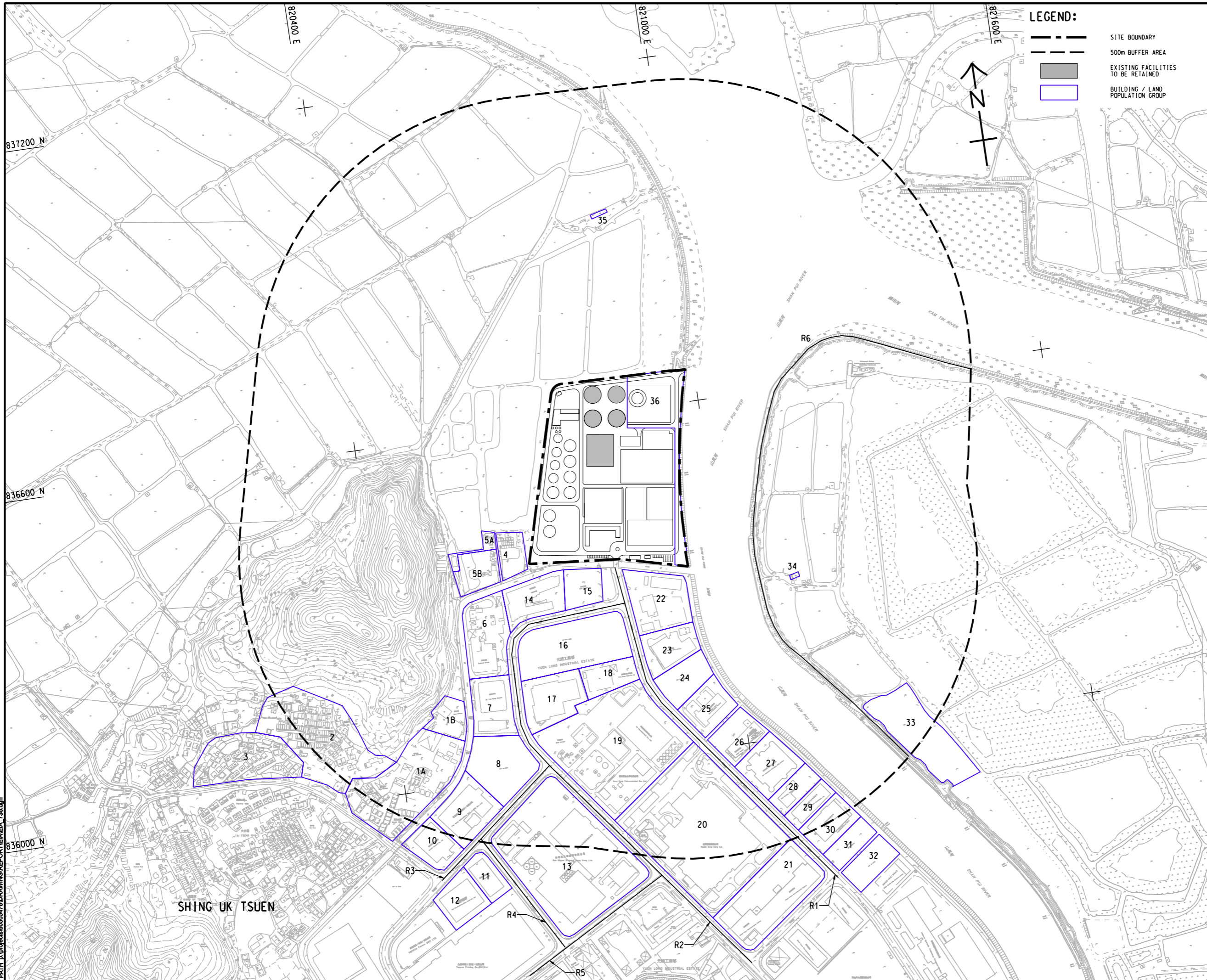
## Estimation of Road Population

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Night-time (Year 2030)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
R1 - Wang Lok Street													
Wang Lok Street (NB)	0.68	50	0	3	2	0	0	1	1	0	0	3	10
Wang Lok Street (SB)	0.68	50	0	8	4	1	1	2	4	1	0	3	23
Total Vehicle per hour	-	-	1	10	6	1	1	3	5	1	0	5	33
Person per vehicle <sup>[1]</sup>	-	-	1.1	1.4	1.9	3.6	11.4	1.4	1.2	16.4	16.1	34.4	-
No. of Person	-	-	1	1	1	1	1	1	1	1	1	3	12
Person (%)	-	-	8%	8%	8%	8%	8%	8%	8%	8%	8%	25%	100%
R2 - Wang Lee Street													
Wang Lee Street (EB)	0.93	50	0	6	4	1	1	2	4	1	0	3	21
Wang Lee Street (WB)	0.93	50	0	4	2	0	0	1	2	0	0	3	14
Total Vehicle per hour	-	-	1	11	6	1	1	3	6	1	0	5	35
Person per vehicle <sup>[1]</sup>	-	-	1.1	1.4	1.9	3.6	11.4	1.4	1.2	16.4	16.1	34.4	-
No. of Person	-	-	1	1	1	1	1	1	1	1	1	4	13
Person (%)	-	-	8%	8%	8%	8%	8%	8%	8%	8%	8%	31%	100%
R3 - Fuk Hi Street													
Fuk Hi Street (EB)	0.27	50	0	6	3	1	1	2	4	1	0	3	20
Fuk Hi Street (WB)	0.27	50	0	4	2	0	1	1	2	0	0	3	13
Total Vehicle per hour	-	-	1	10	5	1	1	3	6	1	0	5	33
Person per vehicle <sup>[1]</sup>	-	-	1.1	1.4	1.9	3.6	11.4	1.4	1.2	16.4	16.1	34.4	-
No. of Person	-	-	1	1	1	1	1	1	1	1	1	1	10
Person (%)	-	-	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	100%
R4 - Fuk Yan Street													
Fuk Yan Street (NB)	0.24	50	0	2	1	0	0	0	1	0	0	0	6
Fuk Yan Street (SB)	0.24	50	0	4	2	0	0	1	1	0	0	0	8
Total Vehicle per hour	-	-	0	6	3	1	0	1	2	1	0	0	14
Person per vehicle <sup>[1]</sup>	-	-	1.1	1.4	1.9	3.6	11.4	1.4	1.2	16.4	16.1	34.4	-
No. of Person	-	-	1	1	1	1	0	1	1	1	0	0	7
Person (%)	-	-	14%	14%	14%	14%	0%	14%	14%	14%	0%	0%	100%
R5 - Fuk Wang Street													
Fuk Wang Street (EB)	0.29	50	0	8	4	1	0	1	2	1	0	3	20
Fuk Wang Street (WB)	0.29	50	0	8	4	1	0	2	4	1	0	3	23
Total Vehicle per hour	-	-	1	16	9	2	0	3	6	1	0	6	43
Person per vehicle <sup>[1]</sup>	-	-	1.1	1.4	1.9	3.6	11.4	1.4	1.2	16.4	16.1	34.4	-
No. of Person	-	-	1	1	1	1	0	1	1	1	1	2	10
Person (%)	-	-	10%	10%	10%	10%	0%	10%	10%	10%	10%	20%	100%

Note:

[1] Person per vehicle is based on the occupancy in Year 2017 from Screenline T-T from Transport Department - The Annual Traffic Census 2017

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 Project Management Initials:  
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**LEGEND:**

- SITE BOUNDARY
- 500m BUFFER AREA
- EXISTING FACILITIES TO BE RETAINED
- BUILDING / LAND POPULATION GROUP



**AECOM**

**PROJECT**  
 項目  
**YUEN LONG EFFLUENT POLISHING PLANT - INVESTIGATION, DESIGN AND CONSTRUCTION**

**CLIENT**  
 業主  
**渠務署**  
 Drainage Services Department

**CONSULTANT**  
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**ISSUE/REVISION**  
 修訂

I/R	DATE	DESCRIPTION	CHK.
修訂	日期	內容描述	校核

**STATUS**  
 階段

**SCALE**  
 比例  
 A1 1 : 3000

**DIMENSION UNIT**  
 尺寸單位  
 METRES

**KEY PLAN**  
 索引圖

**PROJECT NO.**  
 項目編號  
 60505476

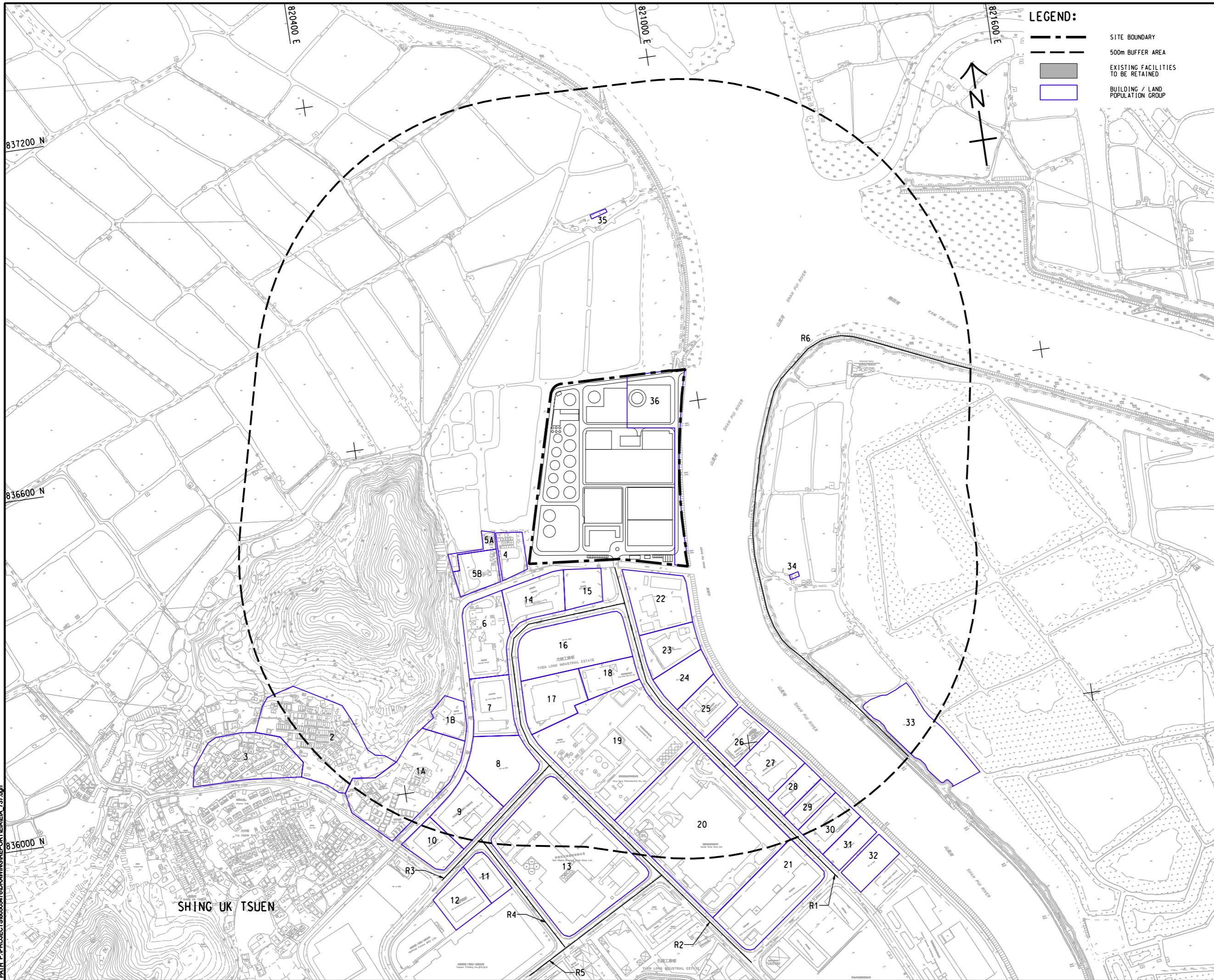
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 CE 3/2015 (DS)

**SHEET TITLE**  
 圖紙名稱  
 POPULATION GROUPS CONSIDERED IN SCENARIO 1

**SHEET NUMBER**  
 圖紙編號  
 60505476/EIA/APPENDIX 11.1A

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**LEGEND:**

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- 500m BUFFER AREA
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**DIMENSION UNIT**  
 尺寸單位  
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**PROJECT NO.**  
 項目編號  
 60505476

**CONTRACT NO.**  
 合約編號  
 CE 3/2015 (DS)

**SHEET TITLE**  
 圖名  
 POPULATION GROUPS CONSIDERED IN SCENARIO 2

**SHEET NUMBER**  
 圖號  
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