

**Proposed SCAA Sports Link (“Place of Recreation, Sports or Culture”)
at South China Athletic Association
88 Caroline Hill Road in Wong Nai Chung
S16 Planning Application**

(Planning Application No: A/H7/189)

APPENDIX II

Replacement Pages of the Air Quality Impact Assessment

iv. Control of Air Pollution in Car Parks (ProPECC PN 2/96)

- 4.3.5. This practice notes outlines the air quality guidelines required for the protection of public health and factors that should be considered in the design and operation of car parks in order to achieve the required air quality.

5. Background Air Quality

5.1.1. The nearest EPD air quality monitoring station (AQMS) is **Central/Western** monitoring station. The recent five years (2020-2024) averaged concentration of air pollutants are presented in **Table 5-1** below. Exceedances of FSP and O₃ were recorded at the **Central/Western** AQMS during the period from 2020 to 2024, while the remaining pollutants were in compliance with the AQO.

*Table 5-1 Average Concentrations of Pollutants in the Recent Five Years (Year 2020-2024) at **Central/Western** Air Quality Monitoring Station*

Pollutant	Averaging Time	AQO ^[1]	Pollutant Concentration (µg/m ³) ^[2]					Average
			2020	2021	2022	2023	2024	
RSP	10th Highest 24-hour	75 (9)	60	65	52	53	62	58
	Annual	30	25	26	22	22	24	24
FSP	19th Highest 24-hour	37.5 (18)	33	34	33	29	35	33
	Annual	15	16	16	14	14	14	15
NO ₂	19th Highest 1-hour	200 (18)	128	149	142	142	130	138
	10th Highest 24-hour	120 (9)	67	75	62	62	63	66
	Annual	40	32	33	30	32	32	32
SO ₂	4th Highest 10-Min	500 (3)	31	51	62	36	22	40
	4th Highest 24-hour	40 (3)	9	10	7	7	7	8
O ₃	10th Highest 8-hour	160 (9)	140	155	197	153	157	160
	Peak season	100	88	92	101	90	100	94

Note:

[1] Values in () indicate number of exceedances allowed under the AQO.

[2] Bolded and underlined values represent exceedances of the AQOs.

5.1.2. As the Proposed Development is expected to be in **operation** in 2030, the PATH v3.0 data at (41,29), (42,29), (41,28) and (42,28) in Year 2030 have been adopted to represent the future background air quality concentrations at the 500m assessment area, as shown in **Figure 3-1**. A summary of the background concentrations for the year 2030 is provided in **Table 5-2**.

Table 5-2 Background Air Pollutants in Year 2030 Extracted from the PATH Model (v3.0)

Pollutant	Averaging Time	Prevailing AQO	Data Summary	PATH v3.0 Grid in Year 2030 ^{[1][2][3]}			
				41,29	42,29	41,28	42,28
FSP	24-hr	37.5 (18)	19 th Max	31.41	29.67	30.06	28.58
			No. of Exceedance(s)	4	4	4	3
	Annual	15	-	12.75	11.72	11.9	10.99
RSP	24-hr	75 (9)	10 th Max	52.57	50.72	51.18	49.77
			No. of Exceedance(s)	0	0	0	0
	Annual	30	-	20.42	19.23	19.37	18.37
SO ₂	10-min	500 (3)	4 th Max	22.35	22.21	22.25	21.85
			No. of Exceedance(s)	0	0	0	0
	24-hr	40 (3)	4 th Max	6.77	6.69	6.65	6.58
			No. of Exceedance(s)	0	0	0	0
NO ₂	1-hr	200 (18)	19 th Max	84.59	71.41	68.81	60.45
			No. of Exceedance(s)	0	0	0	0
	24-hr	120 (9)	10 th Max	35.02	28.76	27.73	23.62
			No. of Exceedance(s)	0	0	0	0
Annual	40	-	17.21	13.45	13.38	10.37	
O ₃	8-hr	160 (9)	10 th Max	169.8	172.13	170.86	172.65
			No. of Exceedance	14	15	14	16
	Peak season	100	-	116.33	119.11	118.2	120.49
CO	1-hr	30,000	1 st Max	582.23	532.89	547.26	520.42
			No. of Exceedance	0	0	0	0
	8-hr	10,000	1 st Max	512.37	495.93	500.11	480.31
			No. of Exceedance	0	0	0	0
	24-hr	4,000	1 st Max	492.05	474.21	483.45	457.02
			No. of Exceedance	0	0	0	0

Note:

[1] Data recorded at Level L1 (0m – 17m)

[2] Bolded and underlined values represent exceedances of the AQOs.



[3] Data extracted from Smart Air Modelling Platform (SAMP v2.1).

7.3. Industrial Emissions from Chimneys

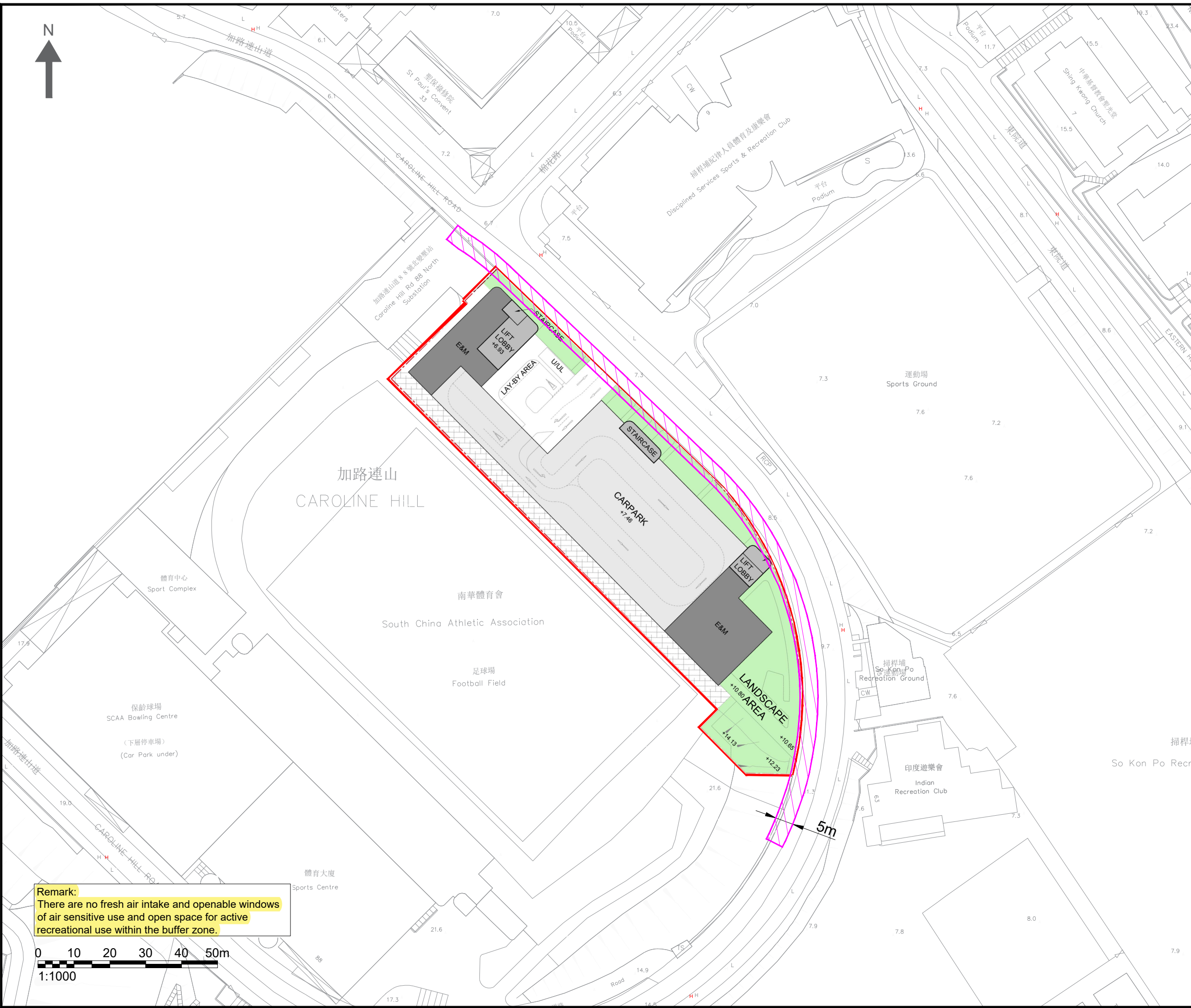
7.3.1. Site survey was carried out on 18 March 2025 to review the existing environmental conditions.



7.3.2. Chimneys were identified at Tung Wah Eastern Hospital and the **St. Paul's Hospital** Main Block during the survey. According to the previous planning application (No. A/H7/182), a chimney was also present at St. Paul's Convent, but it is noted that this chimney has been removed during the survey, as captured in **Table 7-2** below.

Table 7-2 Photographs of St. Paul's Convent Chimney

Captured by Google Maps on Jan 2024	Captured on Site Visit on March 2025
 <p data-bbox="212 1272 801 1301">The chimney was observed at St. Paul's Convent.</p>	 <p data-bbox="874 1290 1342 1352">The chimney at St. Paul's Convent was removed.</p>

7.3.3. Based on the Hong Kong's open3Dhk website, it was noted there are 4 nos. of chimneys at St. Paul's **Hospital** Main Block with a height of 124.7mPD. According to the proposed layout plan in **Appendix 3-1**, the main roof level of the Proposed Development would be approximately +45.4mPD. The height difference between the hospital chimneys and the Proposed Development is therefore about 79.3m which requires 10m buffer distance as stipulated in HKPSG Guidelines. The Subject Site is located more than 100m away from the St. Paul's **Hospital** Main Block which has met the required buffer distance and therefore, no adverse air quality impact from the concerned chimneys is anticipated.



- NOTES:
-  SUBJECT SITE
 -  5M ROAD BUFFER DISTANCE

Consultant



Allied Environmental Consultants Limited

Project No. : 2215

Drawn By : RL

Project :
PROPOSED SCAA SPORTS LINK AT SOUTH CHINA ATHLETIC ASSOCIATION, 88 CAROLINE HILL ROAD, HONG KONG.

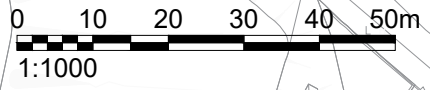
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BUFFER DISTANCE BETWEEN THE SUBJECT SITE AT G/F AND THE ADJACENT ROADS

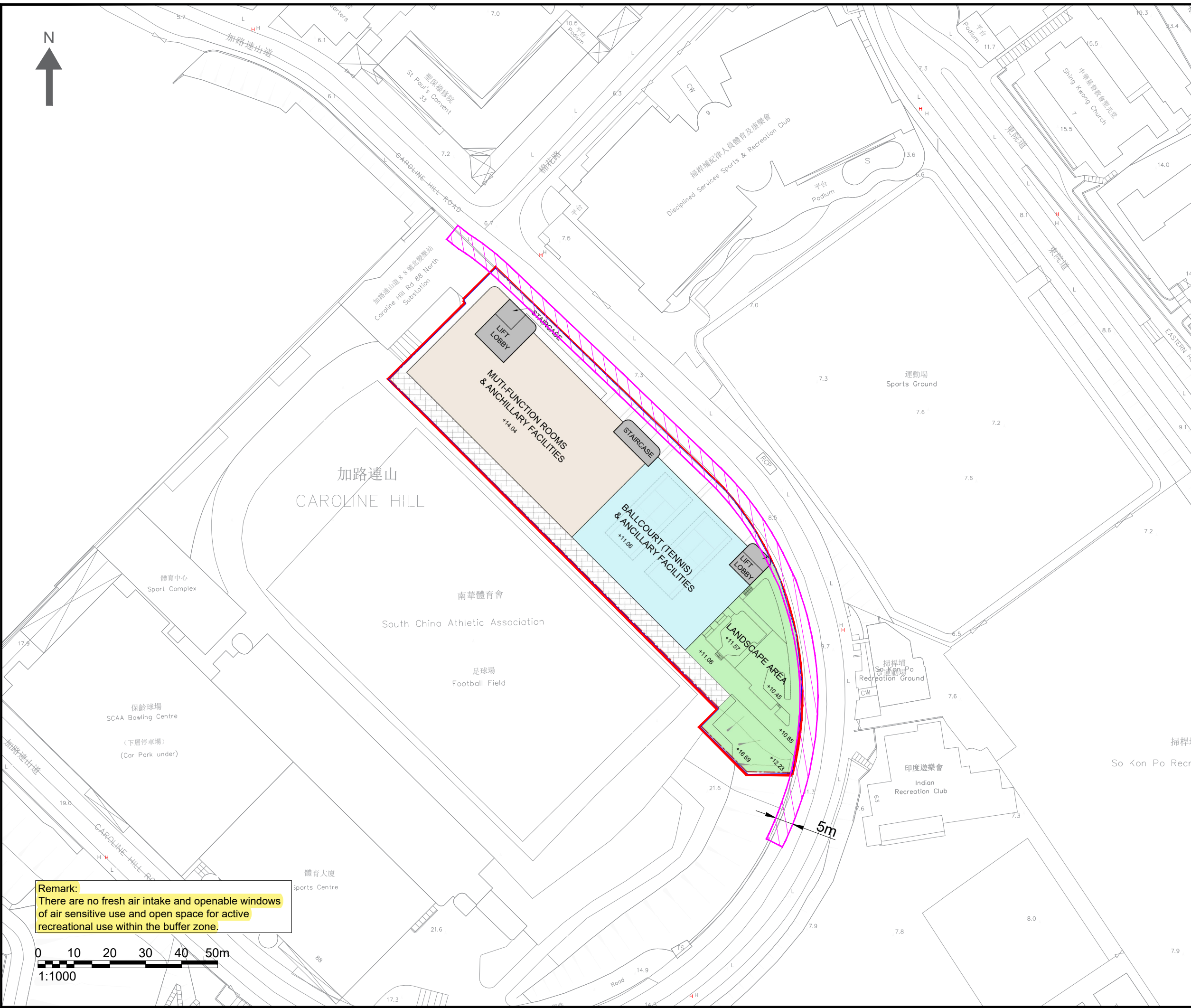
Drawing No : **FIGURE 6-2** Revision : **3**



Scale : **AS SHOWN** Date : **MAR 2026**

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Remark:
 There are no fresh air intake and openable windows of air sensitive use and open space for active recreational use within the buffer zone.





- NOTES :
-  SUBJECT SITE
 -  5M ROAD BUFFER DISTANCE

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PROPOSED SCAA SPORTS LINK AT SOUTH CHINA ATHLETIC ASSOCIATION, 88 CAROLINE HILL ROAD, HONG KONG

Drawing Title :

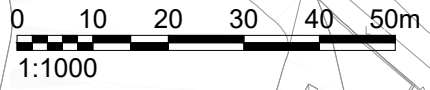
BUFFER DISTANCE BETWEEN THE SUBJECT SITE AT 1/F AND THE ADJACENT ROADS

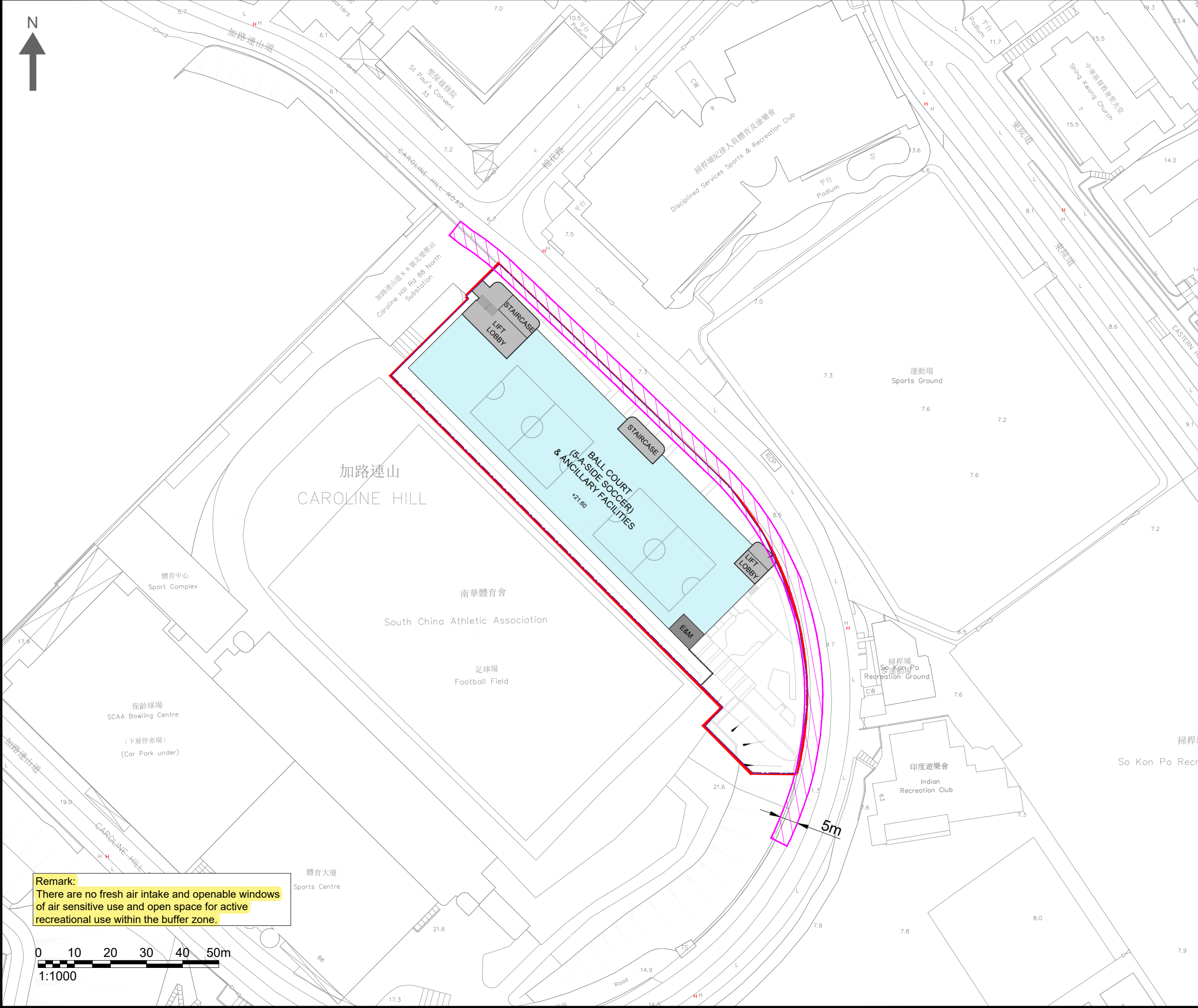
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Scale : AS SHOWN Date : MAR 2026



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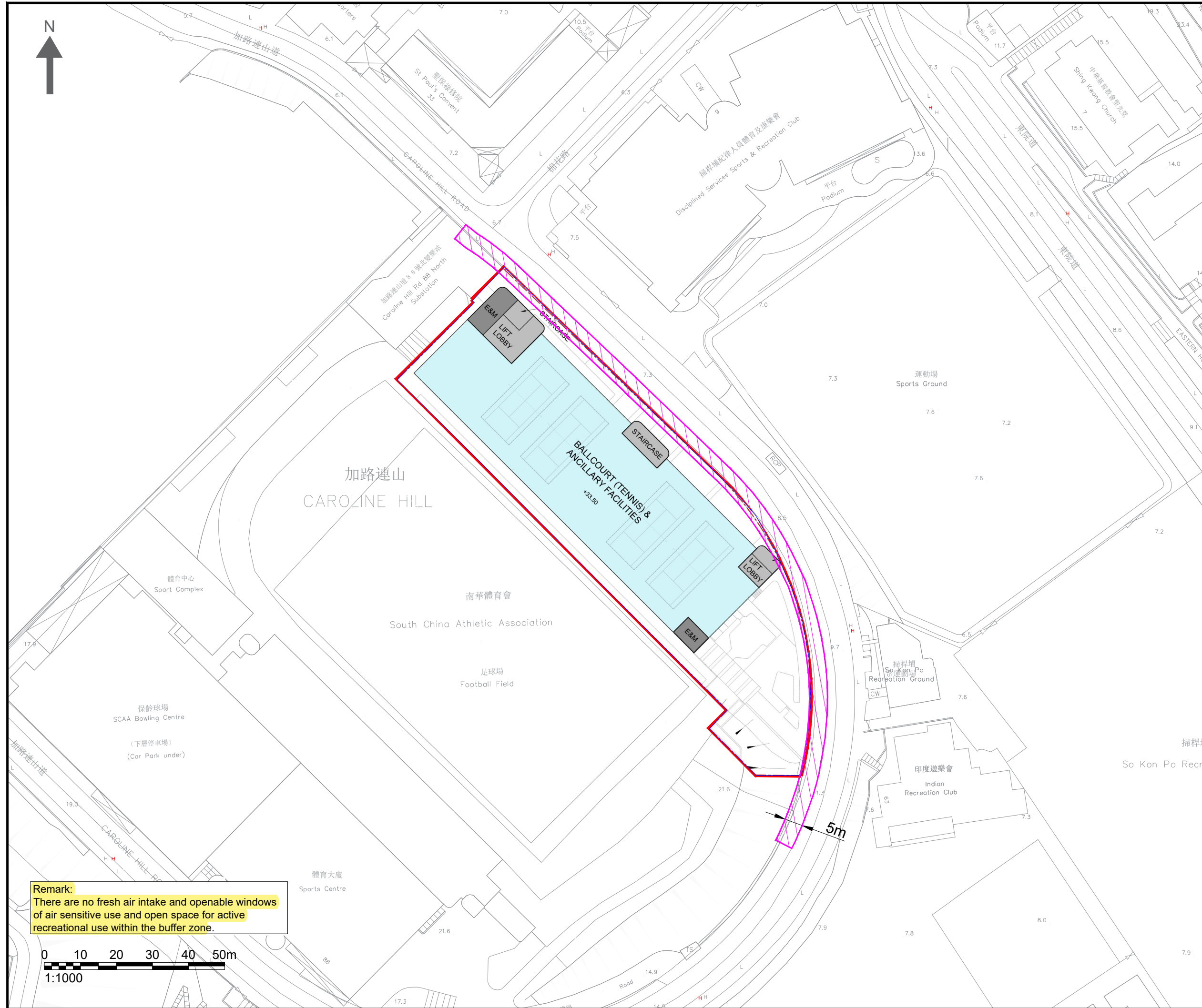
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Drawing Title :
BUFFER DISTANCE BETWEEN THE SUBJECT SITE AT 2/F AND THE ADJACENT ROADS



Drawing No : FIGURE 6-4 Revision : 3

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NOTES :

-  SUBJECT SITE
-  5M ROAD BUFFER DISTANCE

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Project :
PROPOSED SCAA SPORTS LINK AT
SOUTH CHINA ATHLETIC ASSOCIATION,
88 CAROLINE HILL ROAD, HONG KONG

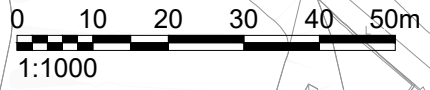
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BUFFER DISTANCE BETWEEN THE
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ADJACENT ROADS

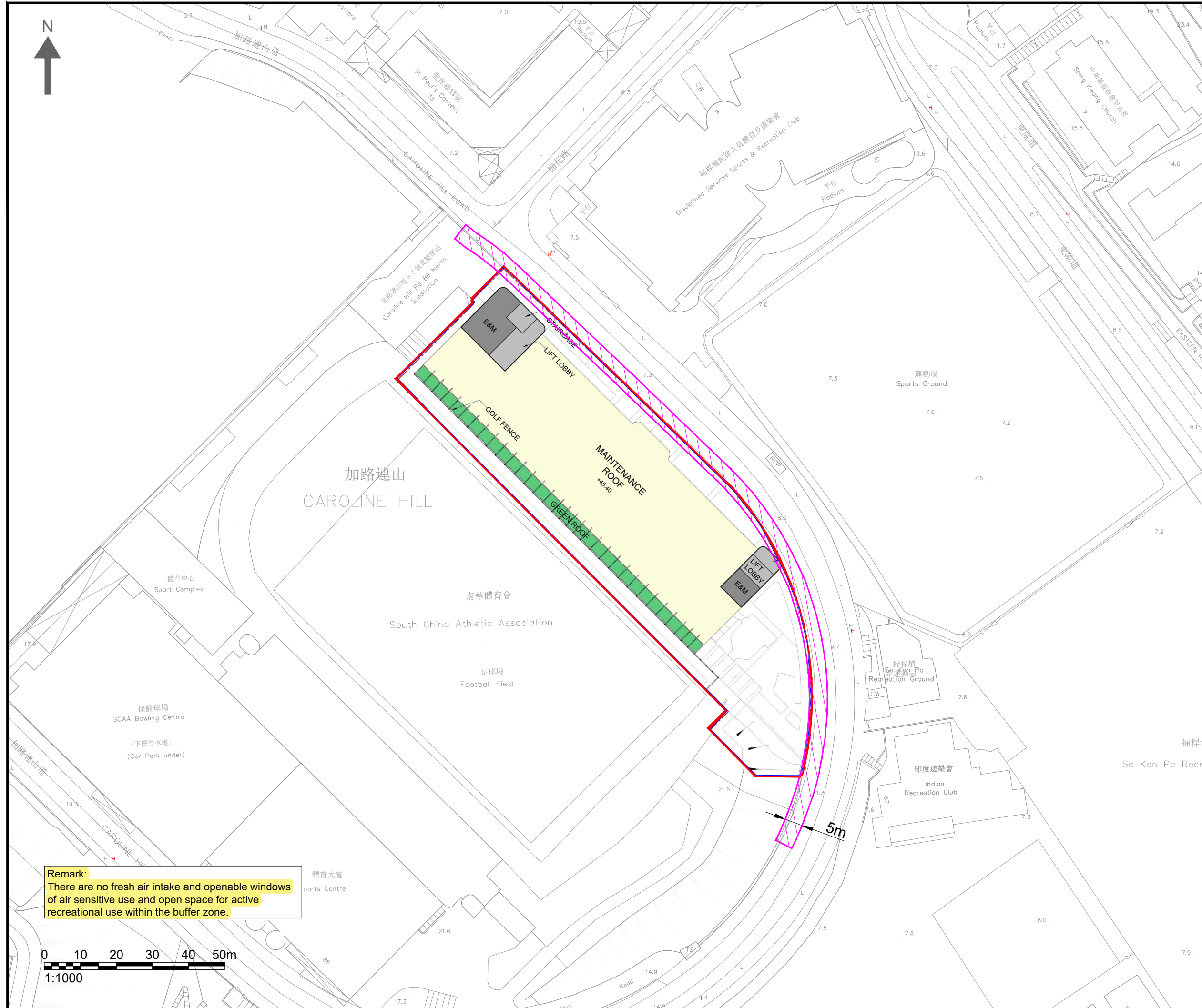
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NOTES:

- SUBJECT SITE
- 5M ROAD BUFFER DISTANCE

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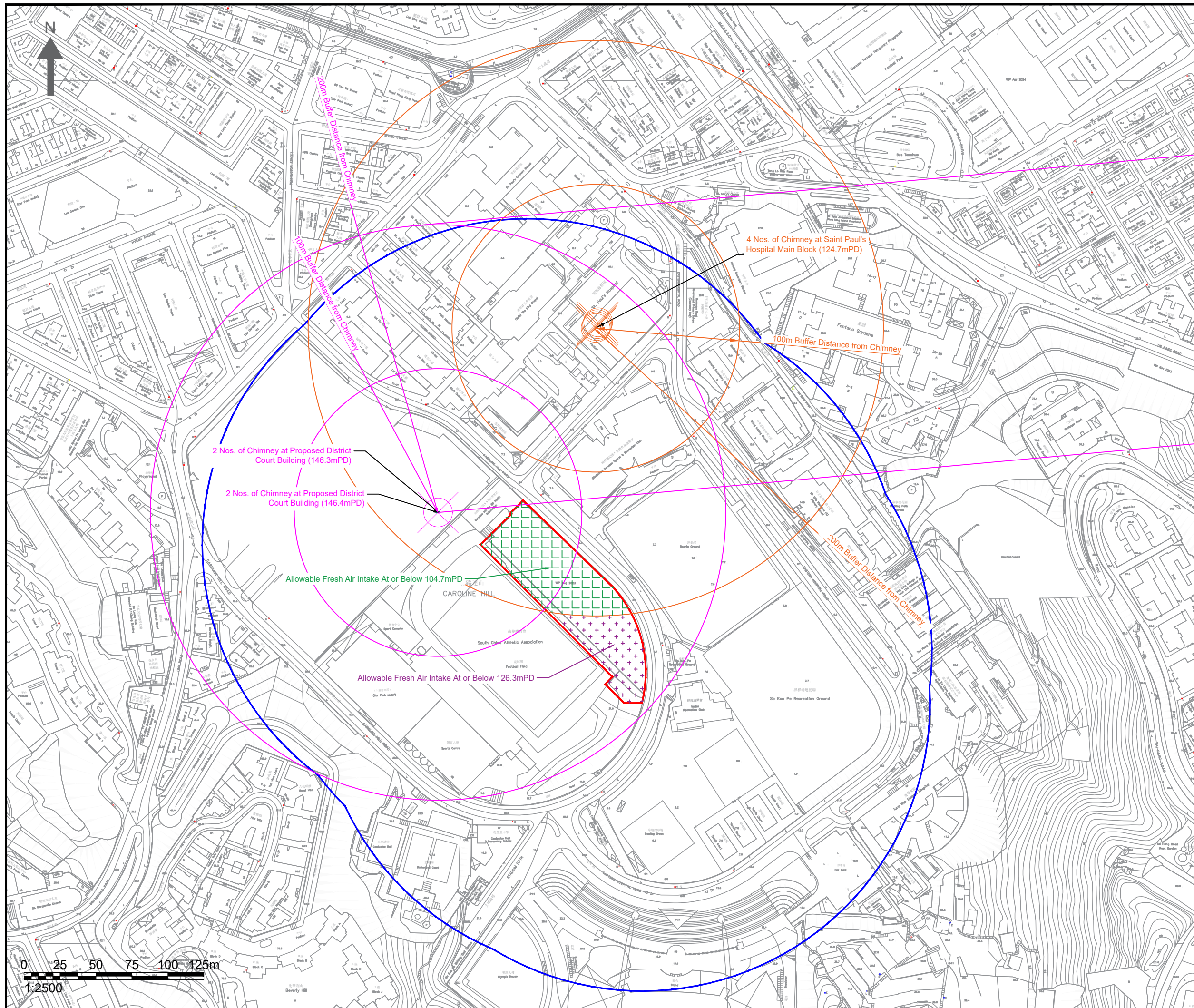
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PROPOSED SCAA SPORTS LINK AT SOUTH CHINA ATHLETIC ASSOCIATION, 88 CAROLINE HILL ROAD, HONG KONG

Drawing Title :
BUFFER DISTANCE BETWEEN THE SUBJECT SITE AT R/F AND THE ADJACENT ROADS

Drawing No : FIGURE 6-6 Revision : 3

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- NOTES :
- SUBJECT SITE
 - 200m ASSESSMENT AREA
 - DIESEL EMERGENCY GENERATOR
 - CHIMNEYS OF ST. PAUL'S HOSPITAL MAIN BLOCK
 - CHIMNEYS OF PROPOSED DISTRICT COURT BUILDING
 - ALLOWABLE FRESH AIR INTAKE LOCATION AT OR BELOW 104.7mPD
 - ALLOWABLE FRESH AIR INTAKE LOCATION AT OR BELOW 126.3mPD

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PROPOSED SCAA SPORTS LINK AT SOUTH CHINA ATHLETIC ASSOCIATION, 88 CAROLINE HILL ROAD, HONG KONG

Drawing Title :

MAP OF INDUSTRIAL CHIMNEY SURVEY WITHIN 200M ASSESSMENT AREA

Drawing No. : FIGURE 6-7	Revision : 3
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