

Appendix V

Noise Impact Assessment

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NOISE IMPACT ASSESSMENT

FOR

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

Prepared by

Allied Environmental Consultants Limited

COMMERCIAL-IN-CONFIDENCE

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Issue No.	Issue Date	Description	Prepared by	Checked by	Approved by
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1. Introduction

- 1.1.1. Allied Environmental Consultants Limited (“AEC”) has been commissioned to prepare a Noise Impact Assessment (“NIA”) in support of the Section 16 Planning Application for Proposed SCAA Sports Link (“Proposed Development”) at South China Athletic Association, 88 Caroline Hill Road, Hong Kong (“Subject Site”).

2. Objectives

- 2.1.1. Main objective of the study is to evaluate potential noise impacts associated with the Proposed Development. Where necessary, appropriate mitigation measures are recommended to reduce the impacts from the Proposed Development and the nearby sources at the Noise Sensitive Receivers to satisfy the relevant environmental ordinance, standards and guidelines.

3. Description of the Proposed Development

- 3.1.1. The Proposed Development is a 4-story complex consist of facilities for sports and recreational usage (i.e., Multi-proposed/ activities Rooms, artificial turf pitches, tennis courts and ancillary office & facilities etc.). The site layout plans for the Proposed Development are provided in **Appendix 3.1**.
- 3.1.2. Application Site falls within Wong Nai Chung Inland Lot No. 9041 zoned Other Specified Uses (Sports and Recreation Club) (“OU (Sports and Recreation Club)”) on the Approved Wong Nai Chung Outline Zoning Plan No. S/H7/21. The Proposed Development is expected to be operated in Year 2030.
- 3.1.3. The Subject Site area is approximately 6132m². It is located at the north of the existing South China Stadium of South China Athletic Association, and at the south of the Disciplined Services Sports and Recreation Club. Its surrounding areas are zoned Other Specified Uses (“OU”), Government, Institution or Community (“G/IC”), Commercial (“C”), Open Space (“O”), Residential (Group B) (“R(B)”), Residential (Group C) (“R(C)”) and Green Belt (“GB”). **Figure 3.1** shows the location of the Application Site.

4. Environmental Legislation, Standards and Criteria

4.1. Traffic Noise

- 4.1.1. Noise standards are recommended in Chapter 9, “Environmental” of the HKPSG for planning against noise impact from sources such as road traffic, railway and aircraft. The applicable standard based on the proposed use is road traffic standard on offices, which is $L_{10}(1\text{-hour})$ 70dB(A). The noise standard applies to uses which rely on openable windows for ventilation.

4.2. Existing and Planned Fixed Plant Noise

- 4.2.1. Existing Fixed Plant Noise is controlled under the NCO’s Technical Memorandum on Noise from Places other than Domestic Premises, Public Places or Construction Sites (IND-TM), which shall not exceed the Acceptable Noise Level (ANL) for a Noise Sensitive Receiver.
- 4.2.2. More stringent criteria are applicable for planned fixed plants, as stipulated in the Chapter 9, “Environmental” of the HKPSG with the following requirements: 5dB(A) below the appropriate ANLs in the IND-TM; or the prevailing background noise levels, whichever is lower.

5. Potential Environmental Noise Impact

5.1. Potential Traffic Noise and Existing Fixed Plant Noise on the Proposed Development

- 5.1.1. Based on the current design, the noise sensitive uses including will be provided with air conditioning units and mechanical ventilation, and will not rely on opened windows for ventilation. By means of sound insulation provided by wall and glazing, they are protected from outdoor noise, they are not classified as Noise Sensitive Receivers.
- 5.1.2. Adverse traffic and existing fixed plant noise impact to the Proposed Development is not anticipated.

5.2. Planned Fixed Plant Noise from the Proposed Development

- 5.2.1. Potential fixed plant noise associated with the Proposed Development will include noise from the operation of mechanical ventilation and air-conditioning (MVAC), building services equipment and mechanical ventilation provisions for the plant rooms in the Proposed Development.
- 5.2.2. In general, building services equipment, such as pump units, MVAC units, transformers, emergency generator as well as lift machines will be placed at enclosed plant rooms with concrete building envelop. Typical acoustic treatment such as acoustic louvers and silencers will be provided at air intake and exhaust louvres of the plant rooms whenever necessary. Noise emission will also be controlled by appropriate selection of equipment.
- 5.2.3. No insurmountable planned fixed plant noise impact from the Proposed Development is anticipated.

6. Conclusion

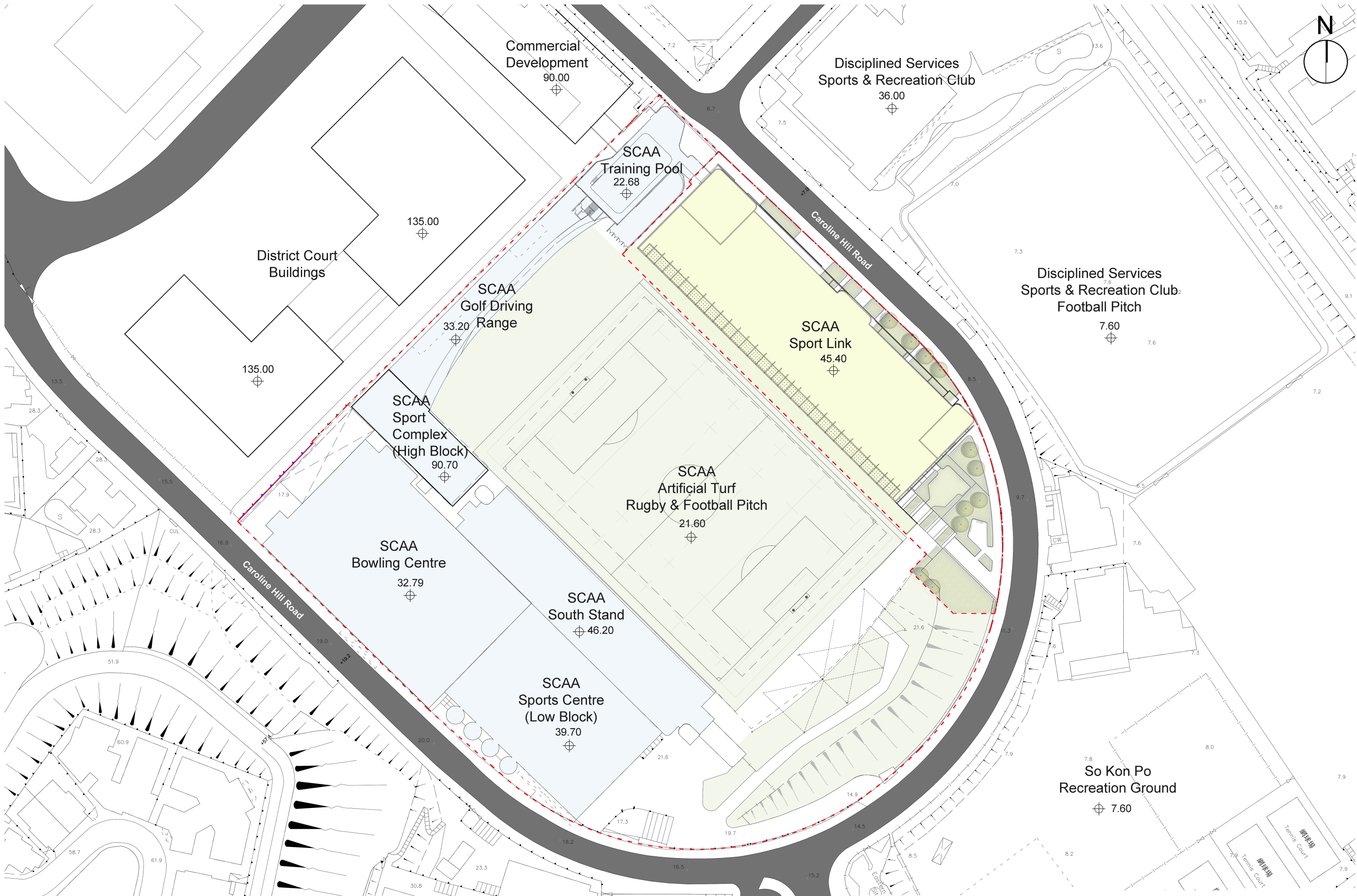
- 6.1.1. This NIA has been prepared in support of the Section 16 Planning Application of the Proposed Development. The report concludes that the Proposed Development is unlikely to cause any insurmountable noise impact during operational phase of the Proposed Development.

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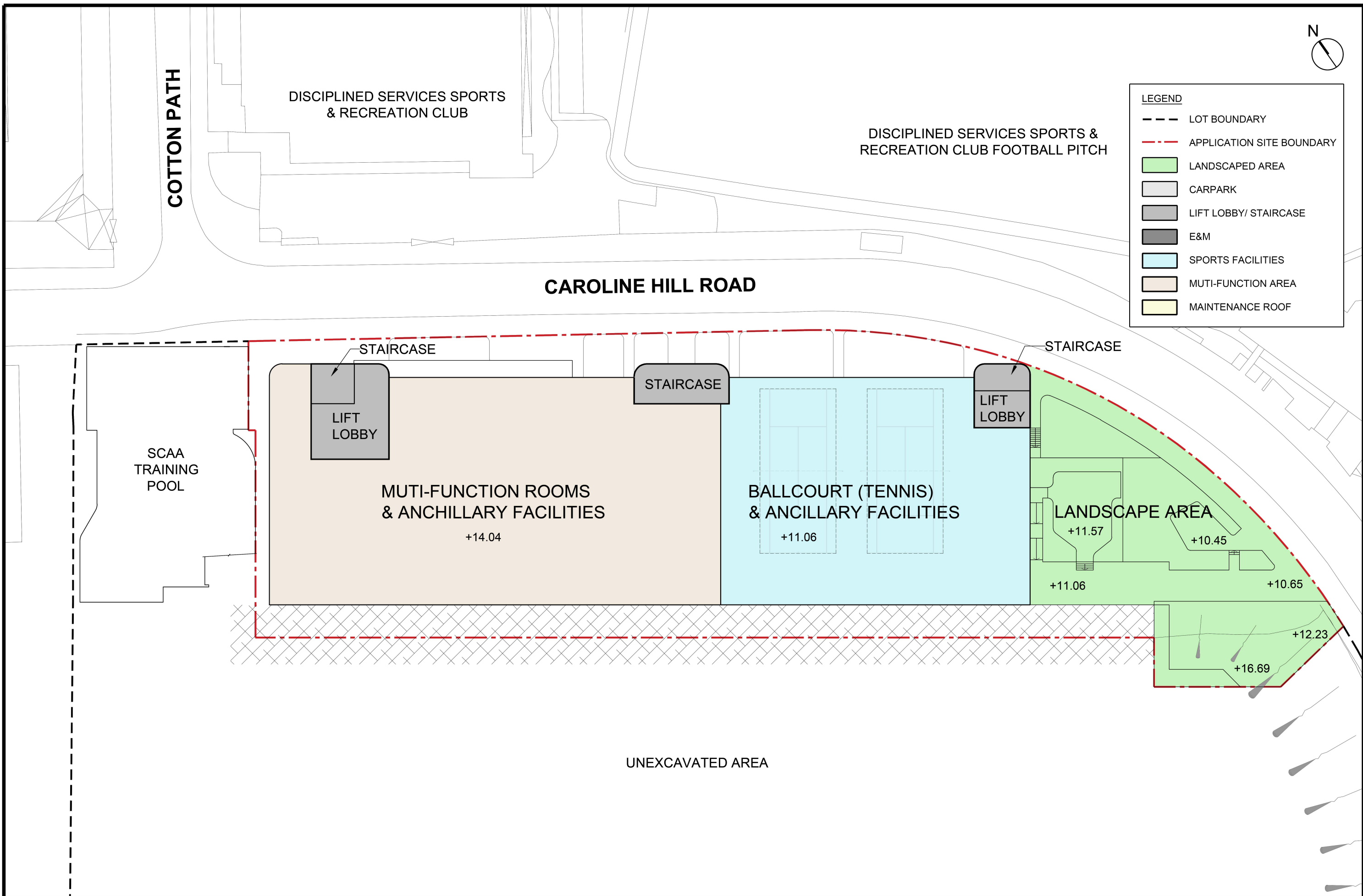
Noise Impact Assessment for Proposed SCAA Sports Link at South China Athletic Association, 88 Caroline Hill Road, Hong Kong

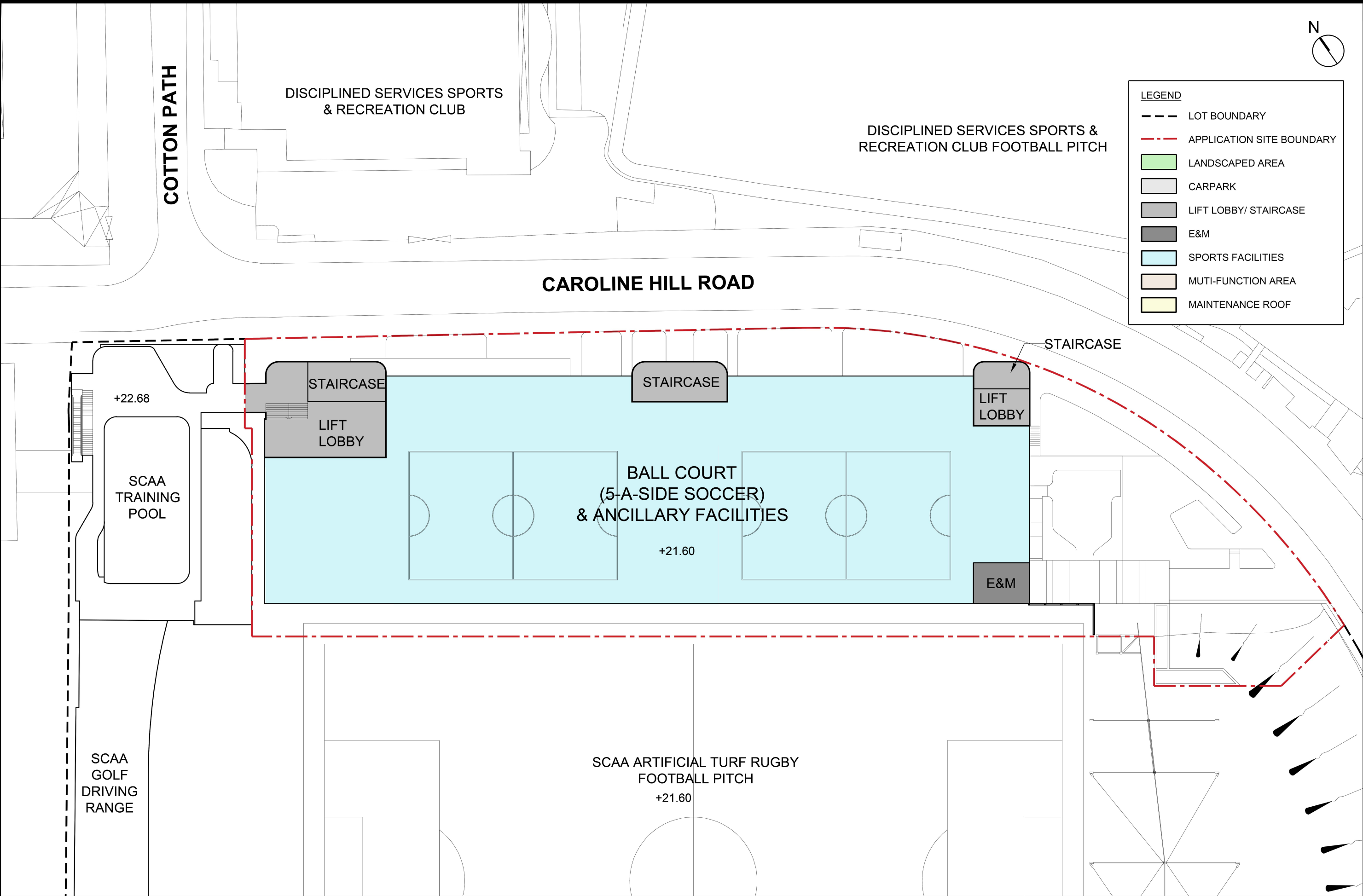
Appendix 3.1

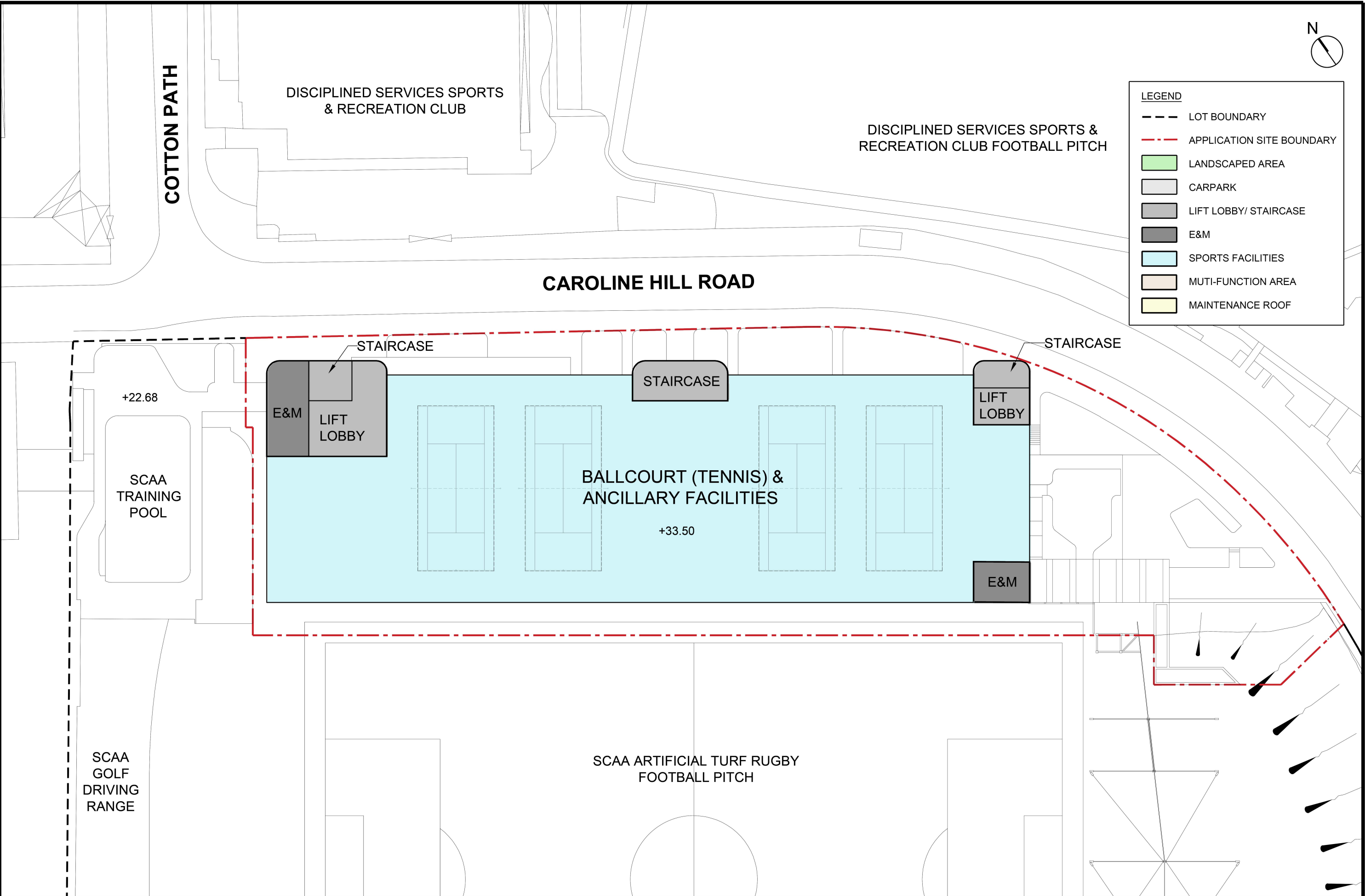
Site Layout Plan

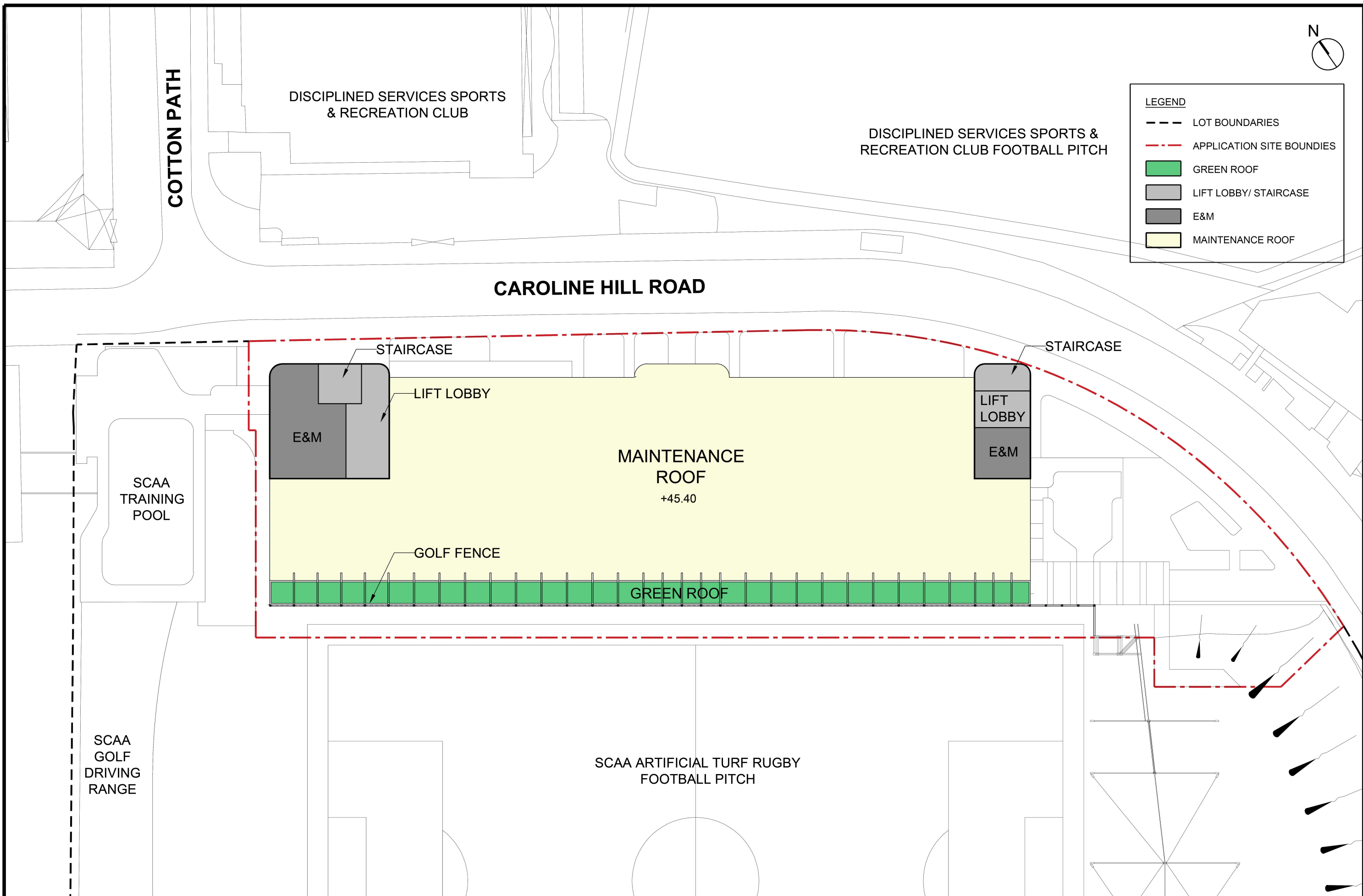


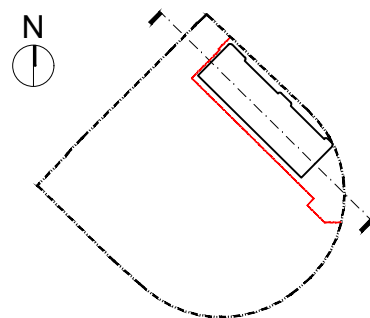
Proposed SCAA Sports Link at South China Athletic Association, 88 Caroline Hill Road, Hong Kong
Master Layout Plan ◦ 1:1000 (A3) ◦ 13 Oct 2025



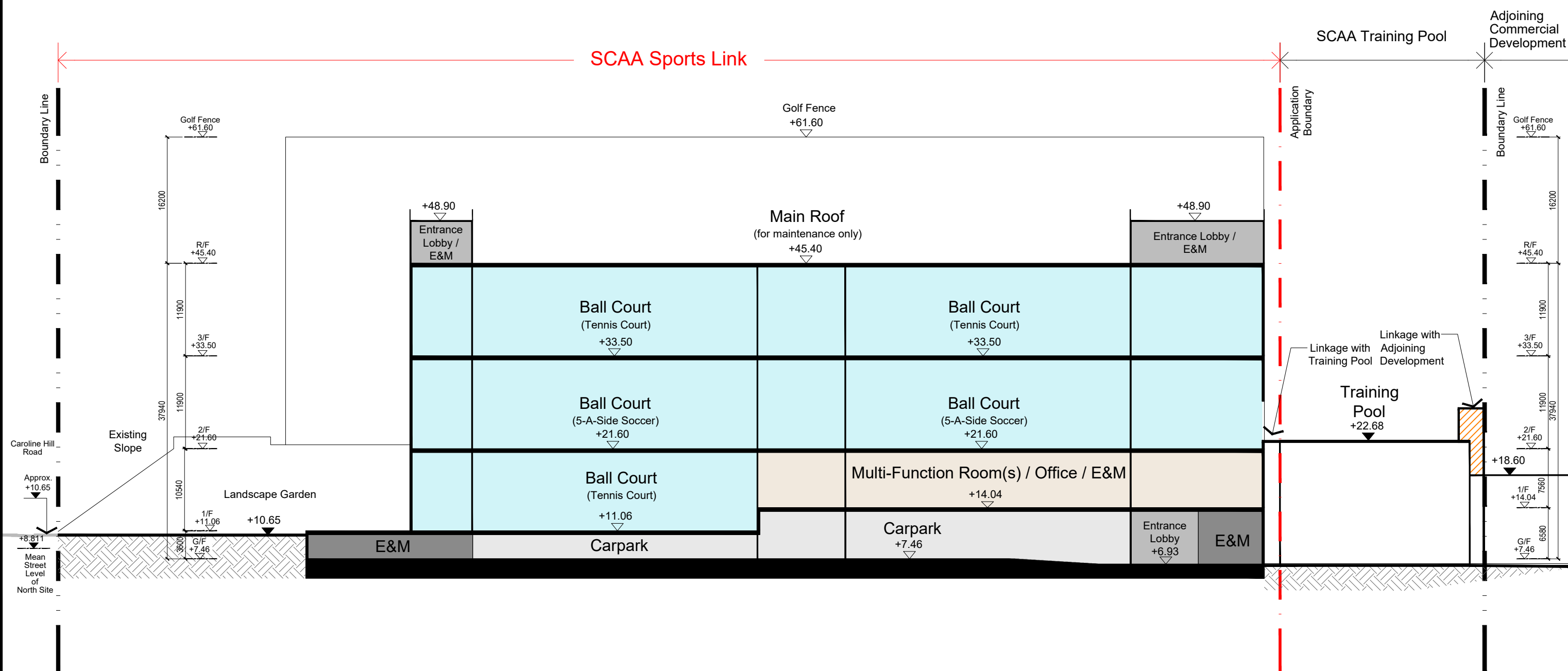








- LEGEND**
- | | |
|---|---------------------------|
|  | LOT BOUNDARY |
|  | APPLICATION SITE BOUNDARY |
|  | LANDSCAPE AREA |
|  | CARPARK |
|  | LIFT LOBBY |
|  | E/M |
|  | SPORT FACILITIES |
|  | MULTI-FUNCTION AREAS |
|  | MAINTENANCE ROOF |



Proposed SCAA Sports Link at South China Athletic Association, 88 Caroline Hill Road, Hong Kong
Section A-A ◦ 1 : 500 (A3) ◦ 13 Oct 2025

Design 2 (HK) Limited

