

Annex 7

Replacement Pages of Environmental Assessment

Date **29 July 2024**

Prepared by **Vicky Shek**
Environmental Consultant

Signed 

Approved by **Katie Yu**
Senior Manager

Signed 

Project Reference **TCASALKHEI00**

Document No. **R8787_EA_v6.0.docx**

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|---------------|---|
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- 1.4.4 The transformer room located on the ground floor has been in use since the occupation of the building in 1979, and it is still operational up to the present day. The site inspection conducted on 2nd February 2024 did not identify sign of oil stain or spillage/leakage of chemicals in the transformer room. The current concrete paving on the ground has been well-maintained and remains intact, with no visible cracks. Dark stains observed on the ground near the wall are simply dust. A photo of the transformer room at the Application site is presented in **Appendix 1.2**. CLP Power Hong Kong Limited (CLP) has been consulted and they confirmed that the transformer inside the transformer room of the Site is free from the chemical polychlorinated biphenyl (PCB) and there is no record of the reported incident of spillage/leakage of chemicals within the Application Site. The email of CLP's reply is given in **Appendix 1.3**. Therefore, it is anticipated that there would be no potential land contamination issue associated with the existing transformer room at the Application Site.
- 1.4.5 To date, the Project Site is being used as a social service centre, which does not involve land contaminating activities. No land contamination concern at the Project Site is identified.

Table 3.20 Predicted Rail Noise Impact

| NSR/ NAP | Unit | Daytime/ Evening Period (0700- 2300) | | Night-time Period (2300-0700) | | Leq (24hr) | |
|-------------|-----------------------------------|--|--------|----------------------------------|--------|------------|--------|
| | | Criteria | Impact | Criteria | Impact | Criteria | Impact |
| RN01 | L _{eq} (30 min) dB(A) | 70 | 50 | 60 | 48 | - | - |
| | L _{eq} (24 hr) dB(A) | - | - | - | - | 65 | 50 |
| RN02 | L _{eq} (30 min) dB(A) | 70 | 55 | 60 | 54 | - | - |
| | L _{eq} (24 hr) dB(A) | - | - | - | - | 65 | 56 |
| RN03 | L _{eq} (30 min) dB(A) | 70 | 49-50 | 60 | 48 | - | - |
| | L _{eq} (24 hrs) dB(A) | - | - | - | - | 65 | 50 |
| RN04 | L _{eq} (30 min) dB(A) | 70 | 54 | 60 | 53 | - | - |
| | L _{eq} (24 hr) dB(A) | - | - | - | - | 65 | 54-55 |

3.9 Mitigated Measures

Construction Phase

3.9.1 The following good site practices should be adopted as far as practicable to minimize the noise impact of construction activities on the nearby NSRs.

- Use of Quality PMEs with lower SWL;
- Use of noise insulating fabric, movable barriers and enclosures to noisy PMEs as far as practicable;
- Only well-maintained plant should be operated on-site, and plants should be serviced regularly during the construction period;
- Noisy equipment and activities should be located as far away from NSRs as practicable;
- Plant known to emit noise strongly in one direction should, wherever possible, be properly orientated so that the noise is directed away from the nearby NSRs;
- Use of site hoarding as a noise barrier to screen noise at low level NSRs;
- Any material stockpiles and other structures should be effectively utilized, wherever practicable, to screen the noise from on-site construction activities;
- Unused equipment should be turned off or throttled down. PME should be kept to a minimum and the parallel use of noisy equipment/ machinery should be avoided;
- Regular maintenance of all plant and equipment, and use of material stockpiles and other existing structures as effective noise barriers, where practicable; and
- The Contractor shall devise, arrange methods of working and carry out the Works in such a manner so as to minimize noise impacts on the surrounding environment,

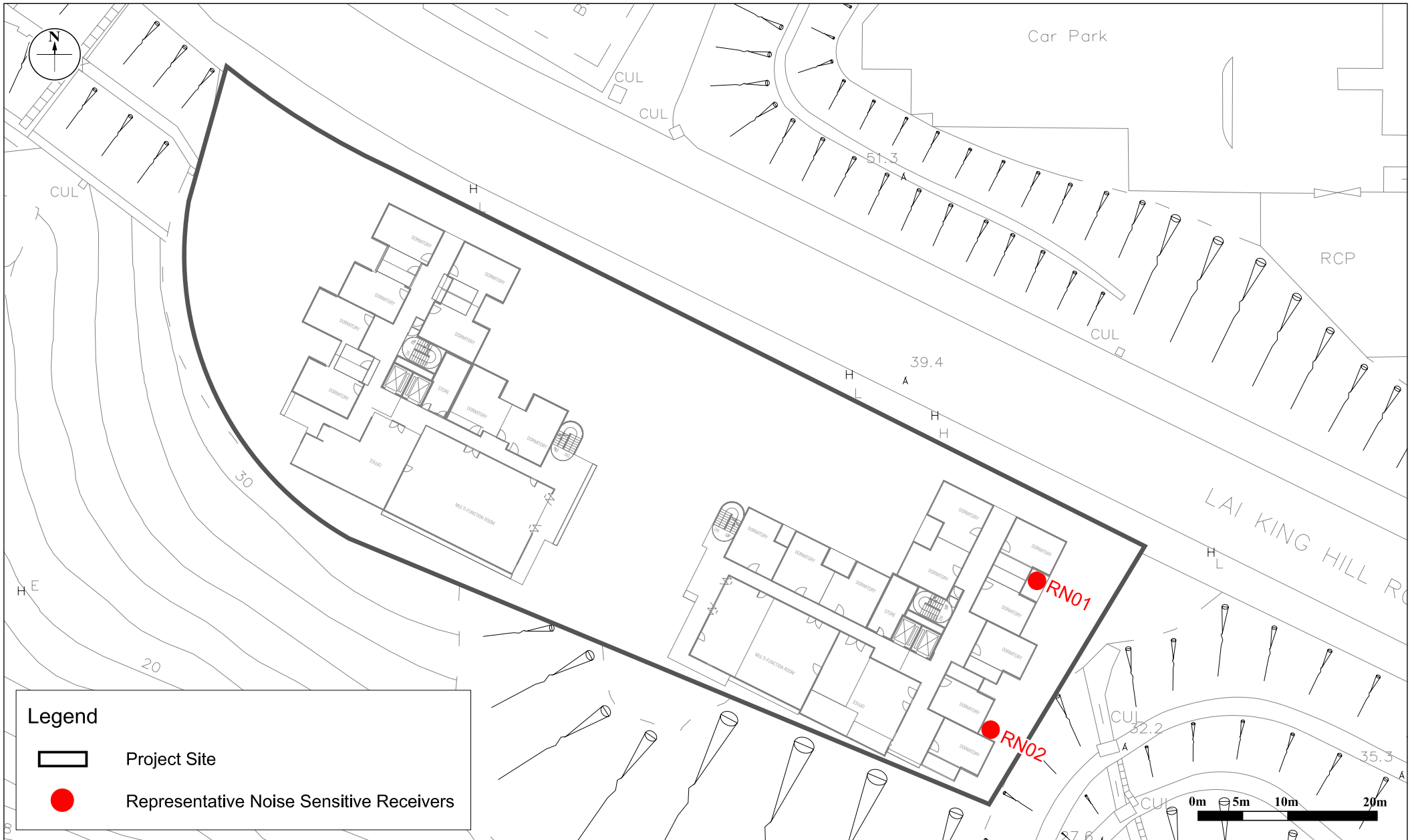


Figure: 3.7b

Title: Representative Noise Sensitive Receivers for Rail Noise Impact Assessment (2/F)

Project: Proposed Minor Relaxation of Building Height Restriction for the Permitted Social Welfare Facility (Redevelopment of The Salvation Army Lai King Home) at Nos. 200 - 210 Lai King Hill Road, Kwai Chung, New Territories - S16 Planning Application

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Date: Jul 2024



Legend



-  Project Site
-  Representative Noise Sensitive Receivers

Figure: 3.7c

Title: Representative Noise Sensitive Receivers for Rail Noise Impact Assessment (3/F)

Project: Proposed Minor Relaxation of Building Height Restriction for the Permitted Social Welfare Facility (Redevelopment of The Salvation Army Lai King Home) at Nos. 200 - 210 Lai King Hill Road, Kwai Chung, New Territories - S16 Planning Application

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Date: Jul 2024



Figure: 3.7d

Title: Representative Noise Sensitive Receivers for Rail Noise Impact Assessment (4/F)

Project: Proposed Minor Relaxation of Building Height Restriction for the Permitted Social Welfare Facility (Redevelopment of The Salvation Army Lai King Home) at Nos. 200 - 210 Lai King Hill Road, Kwai Chung, New Territories - S16 Planning Application

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Figure: 3.7e

Title: Representative Noise Sensitive Receivers for Rail Noise Impact Assessment (5/F)

Project: Proposed Minor Relaxation of Building Height Restriction for the Permitted Social Welfare Facility (Redevelopment of The Salvation Army Lai King Home) at Nos. 200 - 210 Lai King Hill Road, Kwai Chung, New Territories - S16 Planning Application

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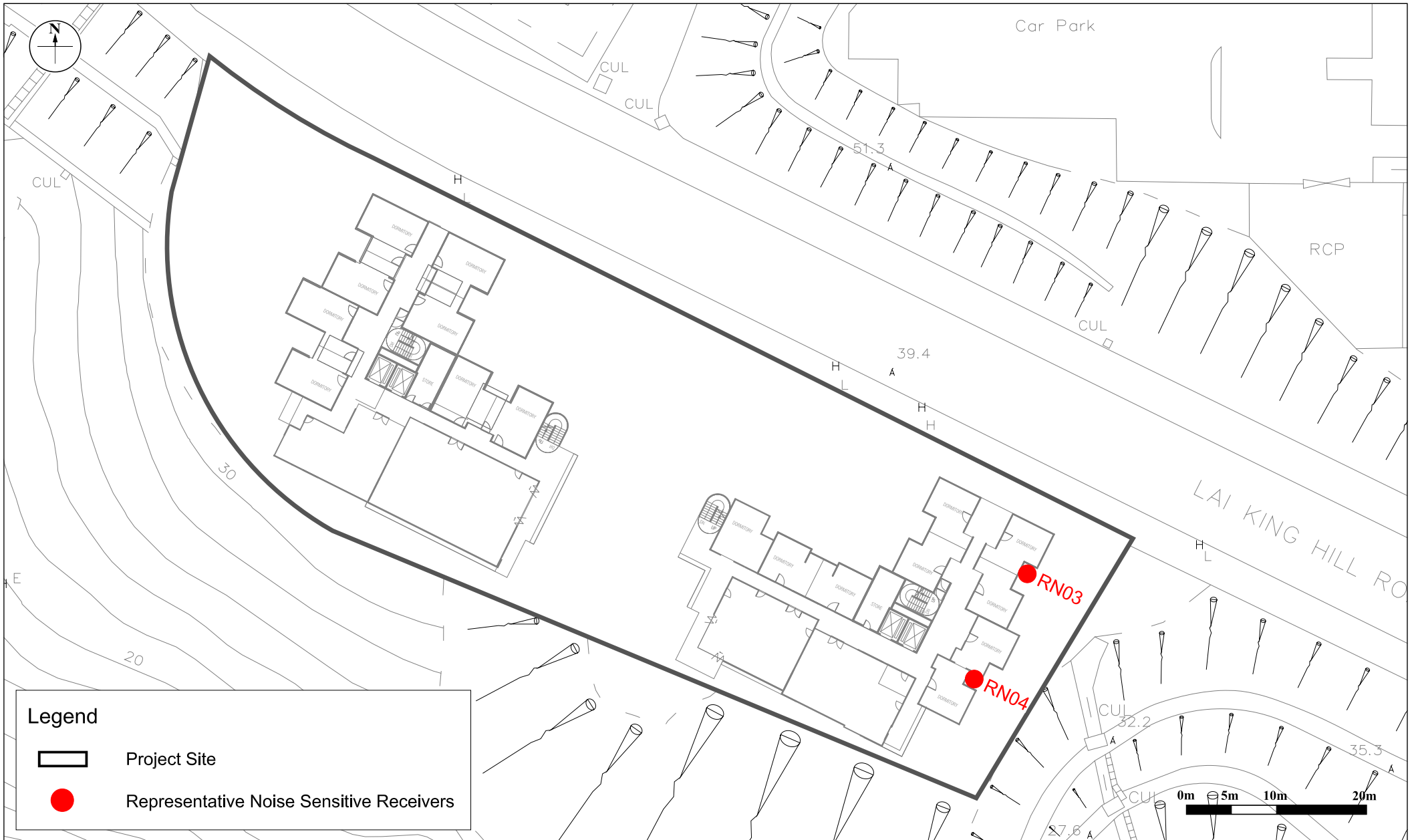


Figure: 3.7f

Title: Representative Noise Sensitive Receivers for Rail Noise Impact Assessment (6/F)

Project: Proposed Minor Relaxation of Building Height Restriction for the Permitted Social Welfare Facility (Redevelopment of The Salvation Army Lai King Home) at Nos. 200 - 210 Lai King Hill Road, Kwai Chung, New Territories - S16 Planning Application

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Drawn by: EC

Checked by: KY

Rev.: 6.0

Date: Jul 2024

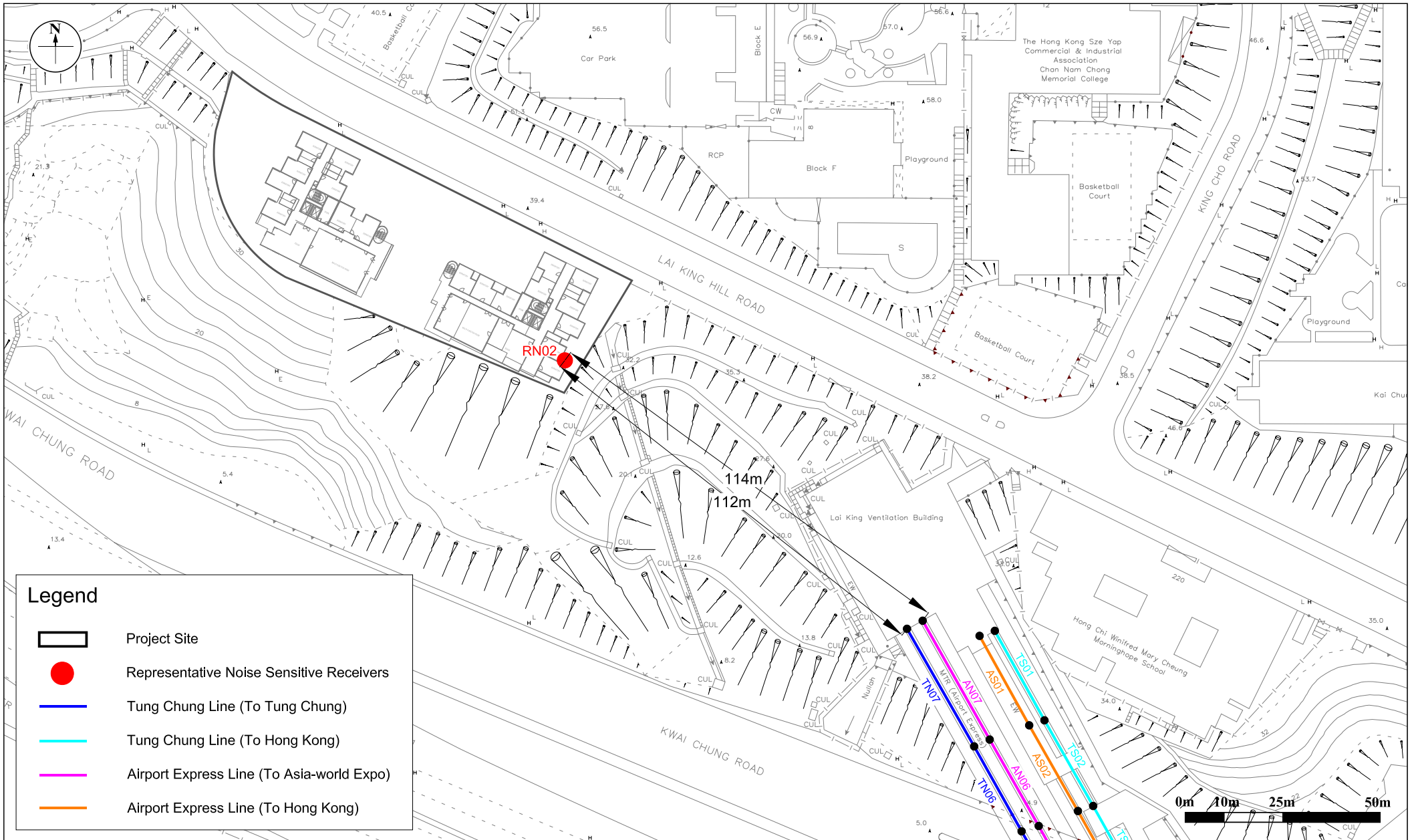


Figure: 3.8

Title: Horizontal Distance between Representative Noise Sensitive Receiver and Railway Track

Project: Proposed Minor Relaxation of Building Height Restriction for the Permitted Social Welfare Facility (Redevelopment of The Salvation Army Lai King Home) at Nos. 200 - 210 Lai King Hill Road, Kwai Chung, New Territories - S16 Planning Application

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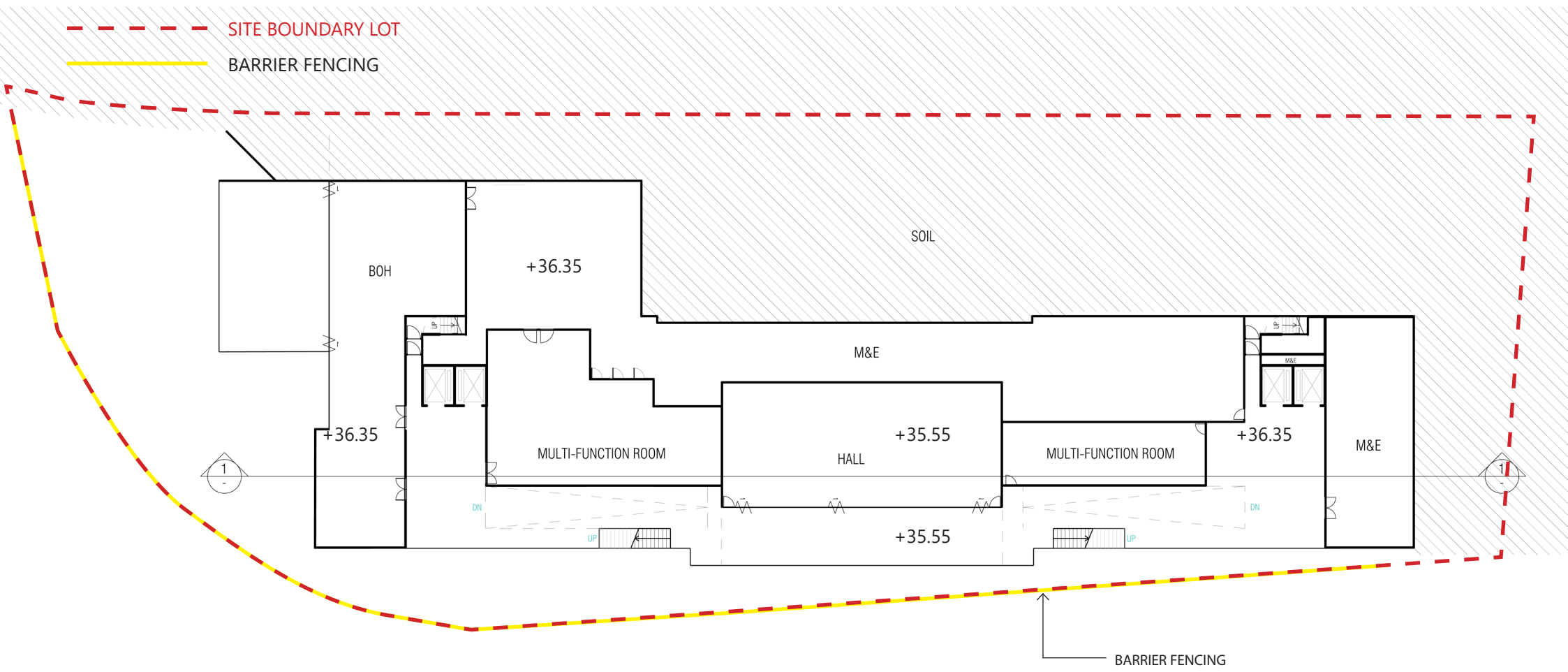
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Checked by: KY

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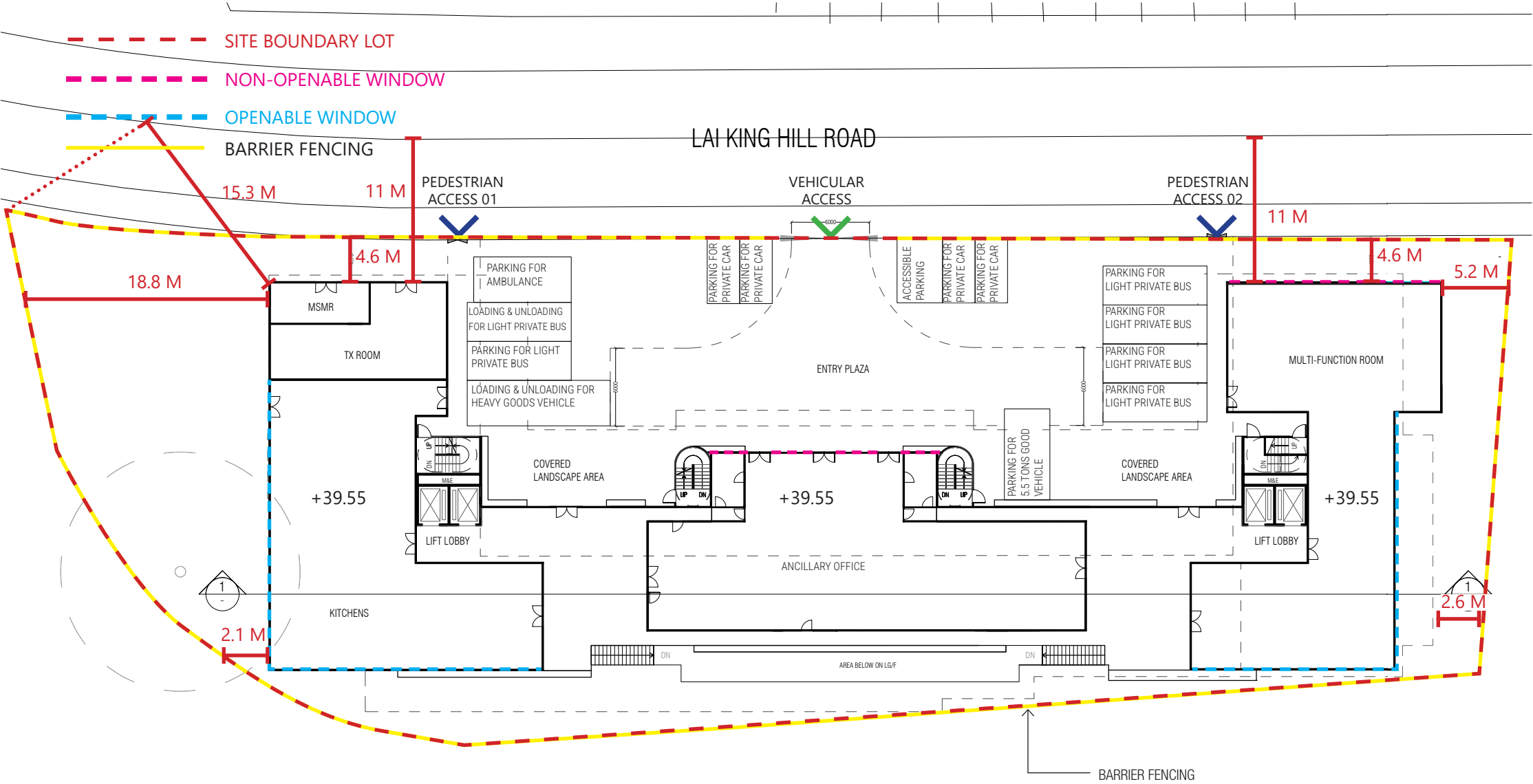
Date: Jul 2024

- - - - - NON-OPENABLE WINDOW
- - - - - OPENABLE WINDOW
- - - - - SITE BOUNDARY LOT
- BARRIER FENCING



"BOH" denotes Back of house
 "M&E" denotes Mechanical and electrical services
 "MSMR" denotes Main switch & main refuse room
 "TX Room" denotes Transformer room

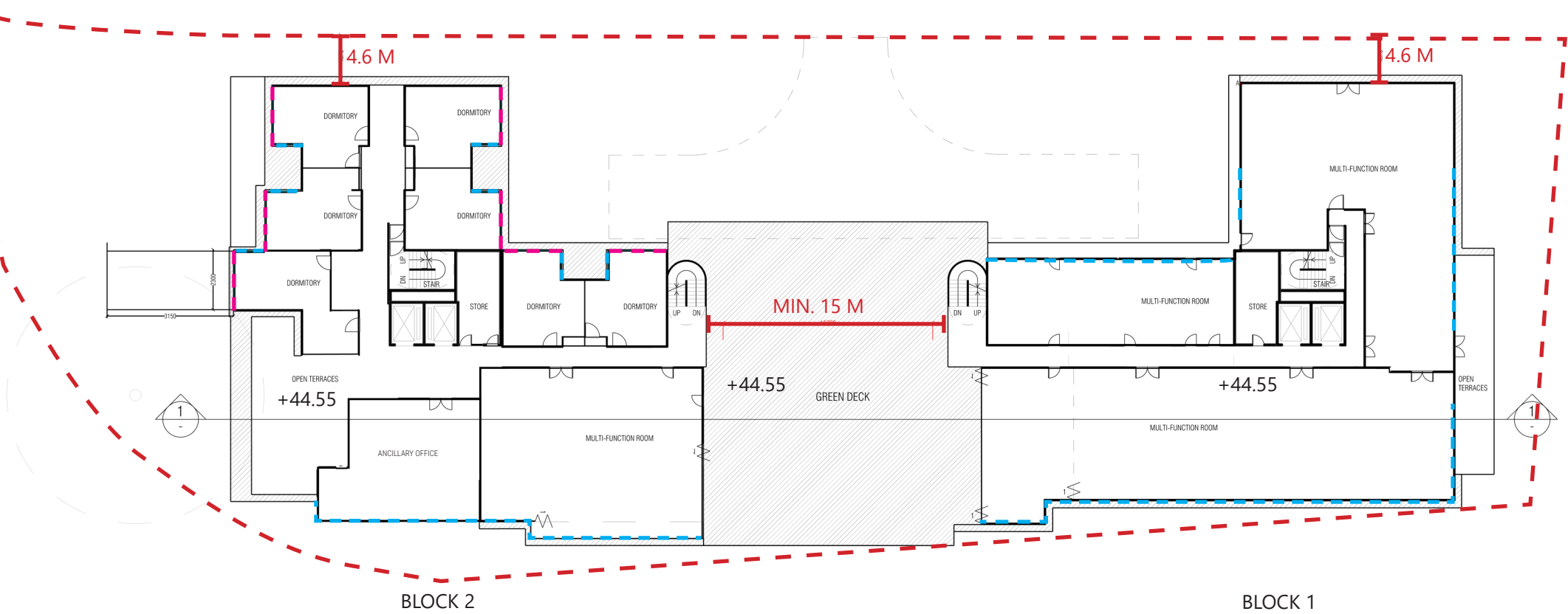
1 GENERAL LAYOUT PLAN - LG/F
 Scale 1:400@A4



"BOH" denotes Back of house
 "M&E" denotes Mechanical and electrical services
 "MSMR" denotes Main switch & main refuse room
 "TX Room" denotes Transformer room

1 GENERAL LAYOUT PLAN - G/F
 Scale 1:400@A4

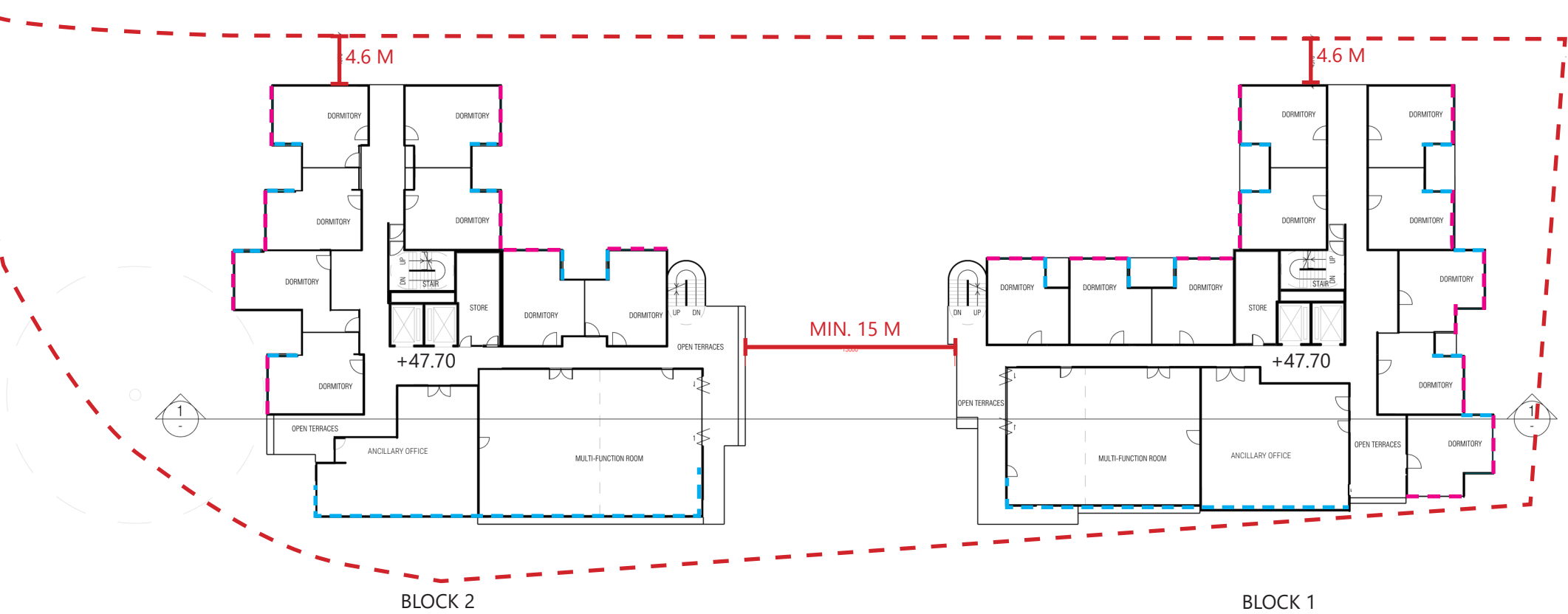
- - - - - NON-OPENABLE WINDOW
- - - - - OPENABLE WINDOW
- - - - - SITE BOUNDARY LOT
- BARRIER FENCING



"BOH" denotes Back of house
 "M&E" denotes Mechanical and electrical services
 "MSMR" denotes Main switch & main refuse room
 "TX Room" denotes Transformer room

1
 GENERAL LAYOUT PLAN - 1/F (HSMH & DAC & IV)
 Scale 1:400@A4

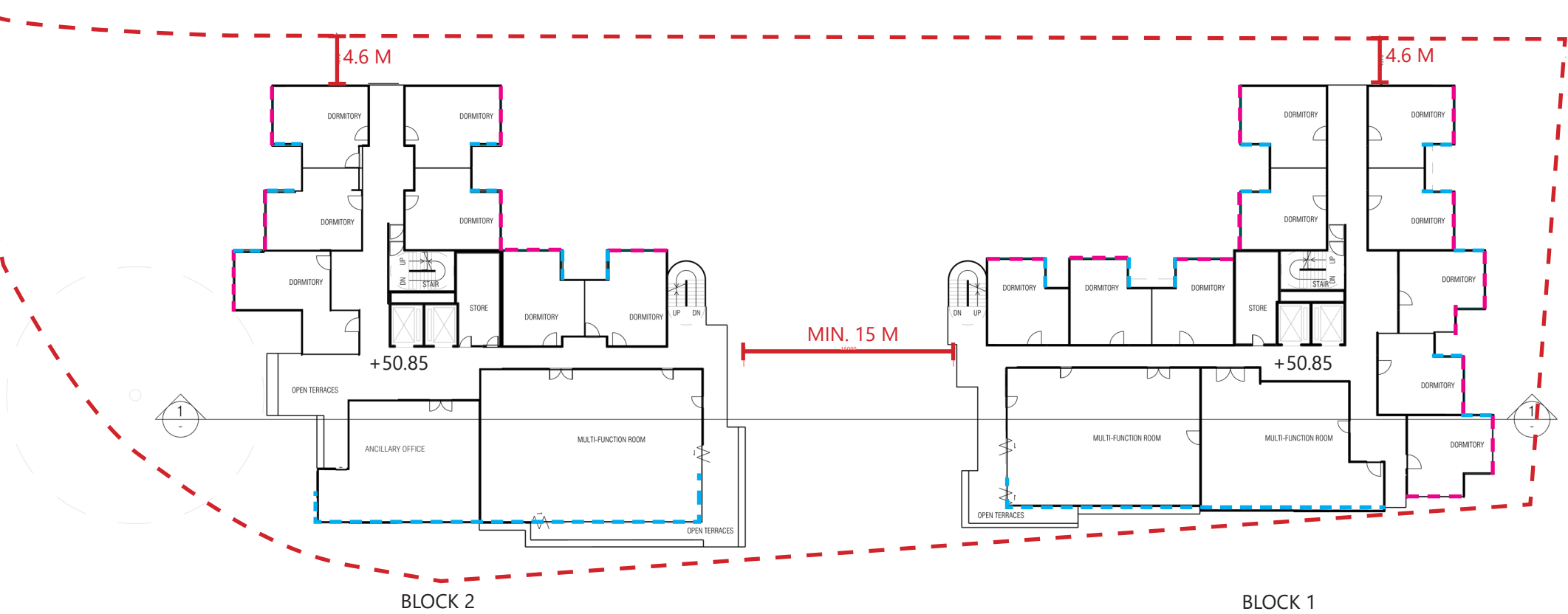
- - - - - NON-OPENABLE WINDOW
- - - - - OPENABLE WINDOW
- - - - - SITE BOUNDARY LOT
- BARRIER FENCING



"BOH" denotes Back of house
 "M&E" denotes Mechanical and electrical services
 "MSMR" denotes Main switch & main refuse room
 "TX Room" denotes Transformer room

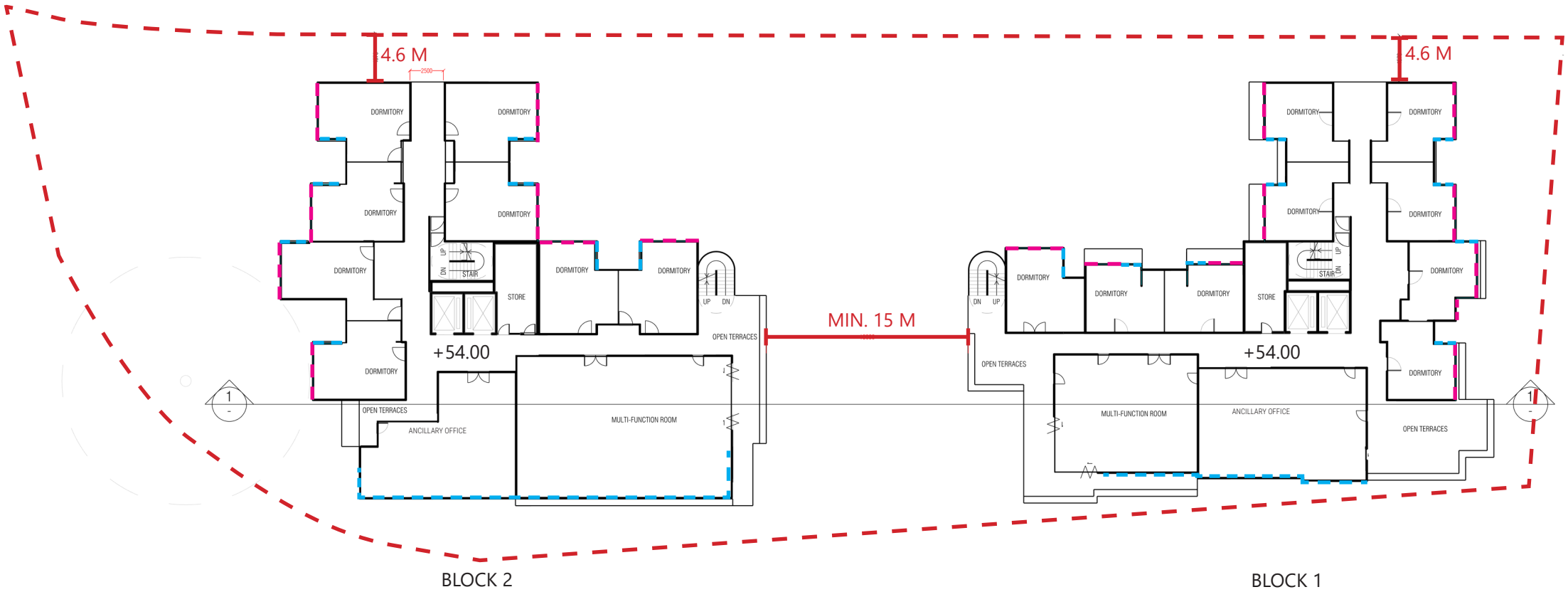
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- - - - - SITE BOUNDARY LOT
- BARRIER FENCING



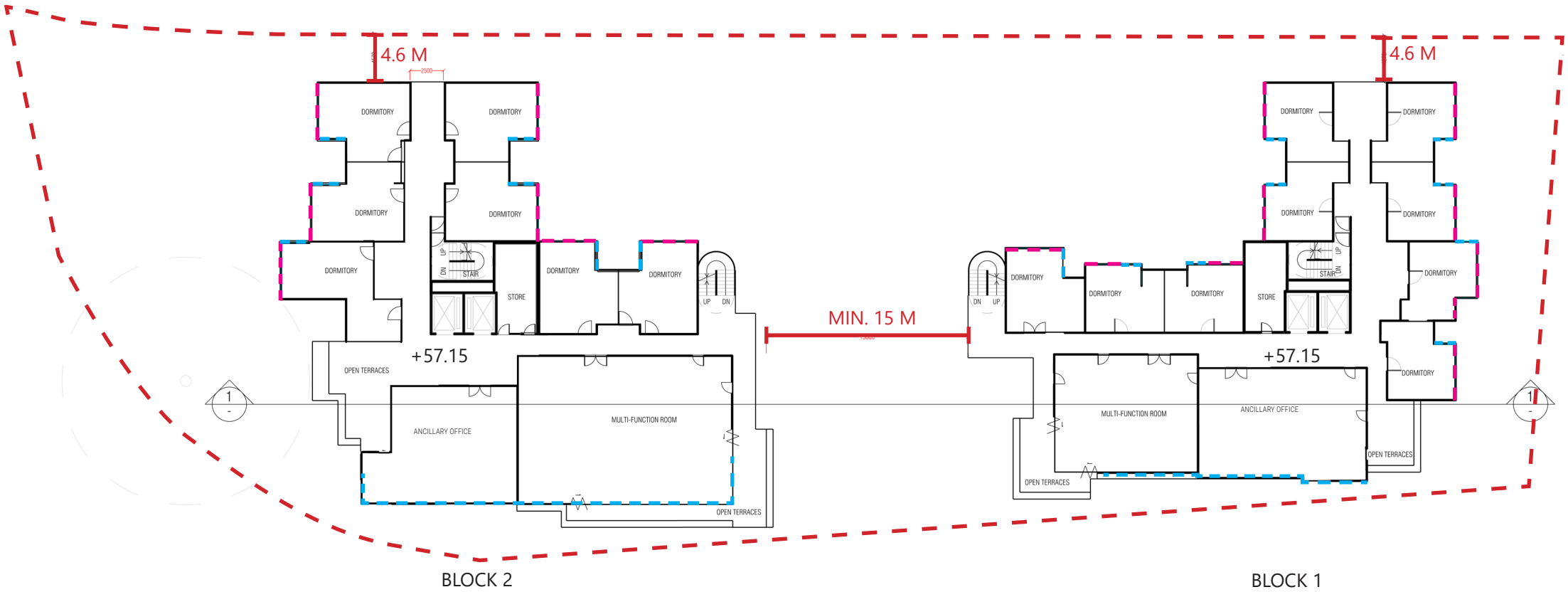
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Scale 1:400@A4

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- - - - - SITE BOUNDARY LOT
- BARRIER FENCING



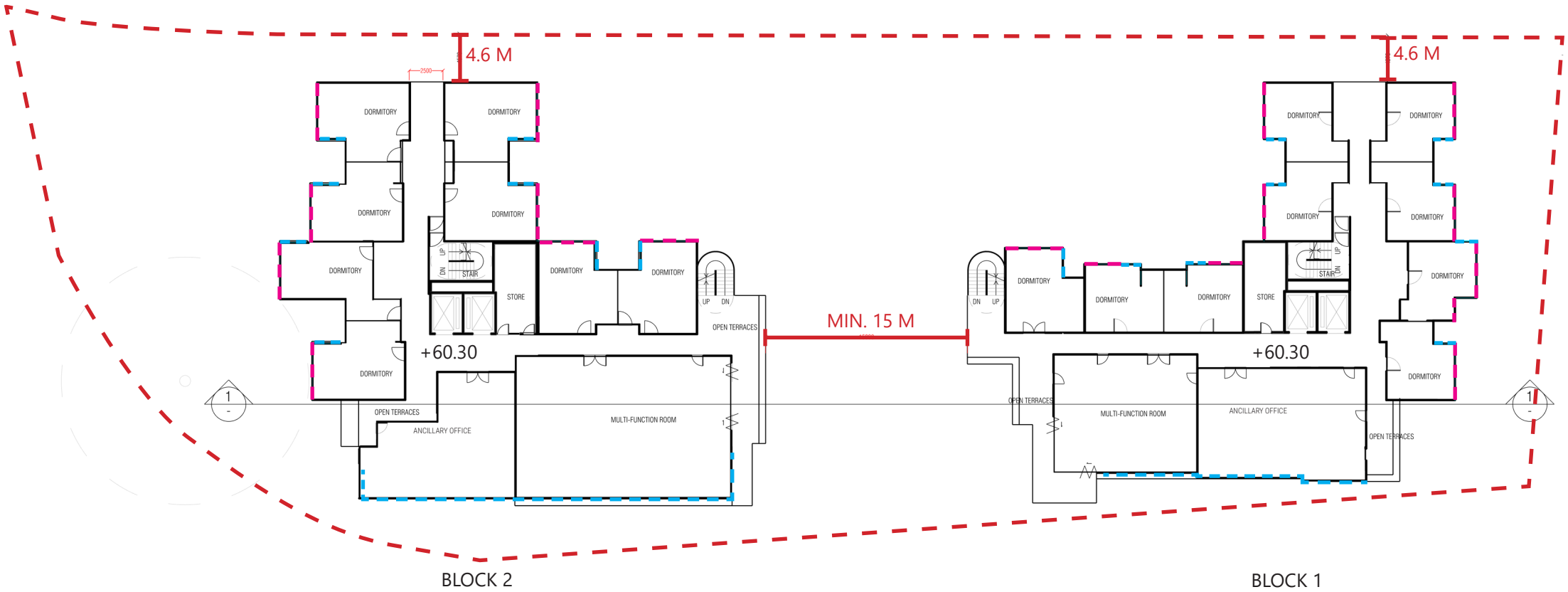
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- - - - - OPENABLE WINDOW
- - - - - SITE BOUNDARY LOT
- BARRIER FENCING



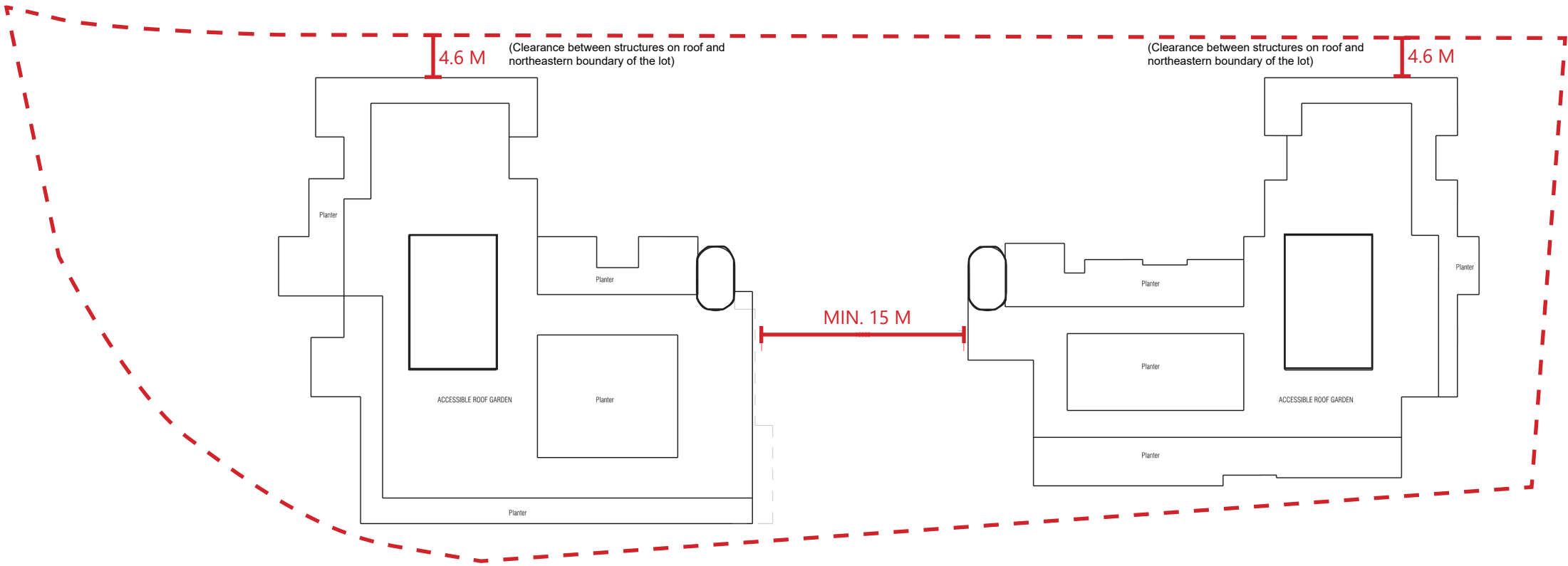
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Scale 1:400@A4

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- - - - - OPENABLE WINDOW
- - - - - SITE BOUNDARY LOT
- BARRIER FENCING



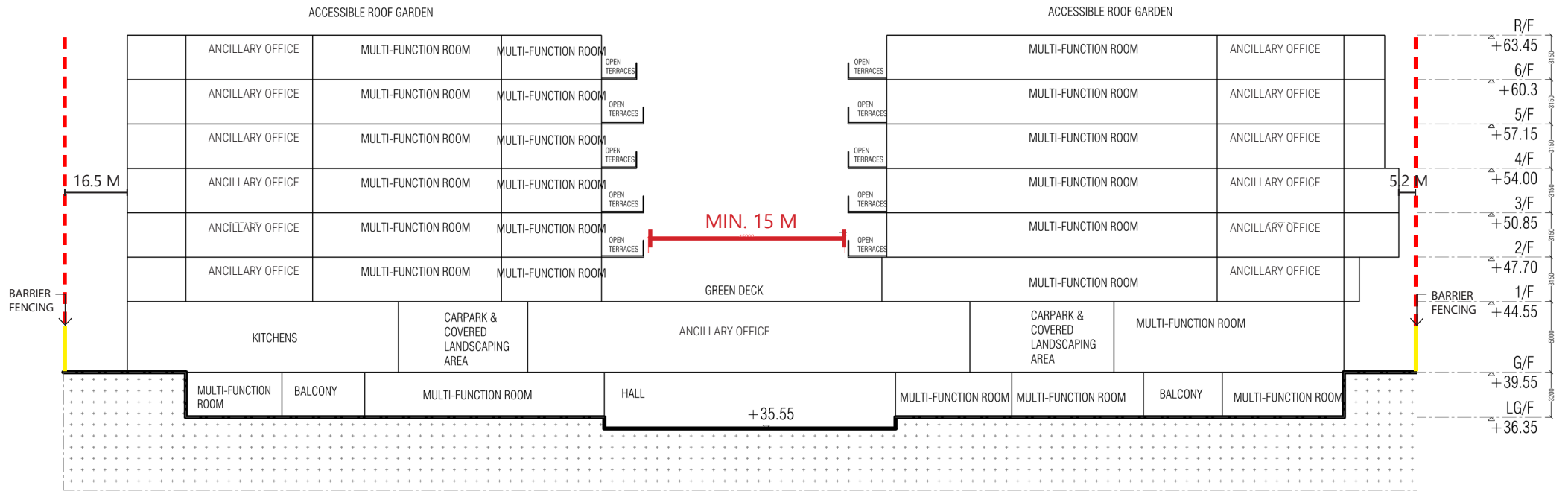
1 GENERAL LAYOUT PLAN - 6/F (HSMH & C&A/SD)
Scale 1:400@A4

- - - - - NON-OPENABLE WINDOW
- - - - - OPENABLE WINDOW
- - - - - SITE BOUNDARY LOT
- BARRIER FENCING



1 GENERAL LAYOUT PLAN - R/F
Scale 1:400@A4

--- SITE BOUNDARY LOT
 --- BARRIER FENCING



1 SECTION 1
 Scale 1:400@A4

Vicky Shek

From: Ying Yin LEE <yingyinlee@td.gov.hk>
Sent: Tuesday, July 23, 2024 11:04 AM
To: Horace Mak
Cc: 'Catherina Chu (CTA)'; 'Edmund Yip'
Subject: Re: FW: RE: Redevelopment of The Salvation Army Lai King Home at Nos. 200 - 210 Lai King Hill Road, Kwai Chung, New Territories - Year 2044 Traffic Forecasts for TNIA
Attachments: 21149HK-hor-knc-04.pdf
Importance: High

Dear Horace,

I have no comment from traffic engineering point of view please.

Regards,
Brian YY LEE
E/SD, TSSD
Office: 2399 2741

From: "Horace Mak" [REDACTED]
To: <yingyinlee@td.gov.hk>
Cc: "'Catherina Chu (CTA)'" [REDACTED], "'Edmund Yip'" [REDACTED]
Date: 22/07/2024 08:59 AM
Subject: FW: RE: Redevelopment of The Salvation Army Lai King Home at Nos. 200 - 210 Lai King Hill Road, Kwai Chung, New Territories - Year 2044 Traffic Forecasts for TNIA

Dear Brian,

As discussed on 19 July 2024, please find attached a copy of our submission for the captioned subject dated 14 March 2024 for your kind consideration and agreement in order to facilitate formal reply by our Environmental Consultant to EPD and approval of the S16 planning application.

Should you have any queries, please feel free to contact me or our Ms. Catherina Chu at 2214 0849.

Many thanks and your earliest reply will be highly appreciated!

Best Regards,

Horace Mak
Director

[REDACTED]

CTA Consultants Limited

Unit 2108, 21/F, Westlands Centre, 20 Westlands Road, Quarry Bay, Hong Kong

Tel: (852) 2214 0849 Fax: (852) 2214 0817

[REDACTED]

From: Catherina Chu [REDACTED]

Sent: Thursday, March 14, 2024 3:03 PM

To: yingyinlee@td.gov.hk

Cc: 'Horace Mak' [REDACTED]; 'Edmund Yip' [REDACTED]

Subject: RE: RE: Redevelopment of The Salvation Army Lai King Home at Nos. 200 - 210 Lai King Hill Road, Kwai Chung, New Territories - Year 2044 Traffic Forecasts for TNIA

Dear Mr. Lee,

We refer to our letter (ref: 21149HK/hor/knc/03) dated 16 February 2024 and your comments on the TIA report provided from PlanD dated 20 February 2024 regarding the captioned subject.

We are pleased to submit herewith the revised technical note which summarizes the methodology and results of the traffic forecasts for Traffic Noise Impact Assessment (TNIA) with your comments on the TIA incorporated for your further consideration and approval.

Should you have any queries or require further information, please do not hesitate to contact Mr. Horace Mak, the undersigned or Mr. Edmund Yip at 2214 0849.

Thank you very much for your kind attention and we are looking forward to your favourable reply at your earliest convenience.

P.S. The original copy will be delivered to your office by post.

Best Regards,

Catherina Chu

Chief Transport Planner

CTA Consultants Limited

Unit 2108, 21/F, Westlands Centre, 20 Westlands Road, Quarry Bay, Hong Kong

Tel: (852) 2214 0849 Fax: (852) 2214 0817

From: Catherina Chu [REDACTED]

Sent: 16 January 2024 3:02 pm

To: 'yingyinlee@td.gov.hk'

Cc: 'Horace Mak'; 'Wallace Wong'

Subject: RE: Redevelopment of The Salvation Army Lai King Home at Nos. 200 - 210 Lai King Hill Road, Kwai Chung, New Territories - Year 2044 Traffic Forecasts for TNIA

Dear Mr. Lee,

We, CTA Consultants Limited, are commissioned as the traffic consultant of the captioned project.

The proposed development is targeted to be completed by 2029 tentatively and therefore year 2044 traffic forecasts (i.e. OP of the proposed development in year 2029 + 15 years) are required for the Traffic Noise Impact Assessment (TNIA). Also, the methodology based on Annual Growth Rate Method has been adopted for estimating the year 2044 traffic forecasts.

It is understood that TD's endorsement on the traffic forecast used in the TNIA is required by EPD. Therefore, we are pleased to submit herewith a technical note which summarizes the methodology and results of the traffic forecasts for Traffic Noise Impact Assessment for your kind consideration and approval.

Should you have any queries or require further information, please do not hesitate to contact Mr. Horace Mak, the undersigned or Mr. Wallace Wong at 2214 0849.

Thank you very much for your kind attention and we are looking forward to your favourable reply at your earliest convenience.

P.S. The original copy will be delivered to your office by post.

Best Regards,

Catherina Chu

Senior Transport Planner

CTA Consultants Limited

Unit 2108, 21/F, Westlands Centre, 20 Westlands Road, Quarry Bay, Hong Kong

Tel: (852) 2214 0849 Fax: (852) 2214 0817

RNIA Results (Daytime, Unmitigated)

| NSR ID | Floor | mPD* | Criteria | Overall LAeq, dB(A) |
|--------|-------|------|----------|---------------------|
| RN01 | 2/F | 48.9 | 70 | 50 |
| RN01 | 3/F | 52.1 | 70 | 50 |
| RN02 | 2/F | 48.9 | 70 | 55 |
| RN02 | 3/F | 52.1 | 70 | 55 |
| RN03 | 4/F | 55.2 | 70 | 50 |
| RN03 | 5/F | 58.4 | 70 | 50 |
| RN03 | 6/F | 61.5 | 70 | 49 |
| RN04 | 4/F | 55.2 | 70 | 54 |
| RN04 | 5/F | 58.4 | 70 | 54 |
| RN04 | 6/F | 61.5 | 70 | 54 |

| NSR ID | Criteria | Overall LAeq, dB(A) |
|--------|----------|---------------------|
| RN01 | 70 | 50 |
| RN02 | 70 | 55 |
| RN03 | 70 | 49-50 |
| RN04 | 70 | 54 |

RNIA Results (Night Time, Unmitigated)

| NAR ID | Floor | mPD* | Criteria | Overall LAeq, dB(A) |
|--------|-------|------|----------|---------------------|
| RN01 | 2/F | 48.9 | 60 | 48 |
| RN01 | 3/F | 52.1 | 60 | 48 |
| RN02 | 2/F | 48.9 | 60 | 54 |
| RN02 | 3/F | 52.1 | 60 | 54 |
| RN03 | 4/F | 55.2 | 60 | 48 |
| RN03 | 5/F | 58.4 | 60 | 48 |
| RN03 | 6/F | 61.5 | 60 | 48 |
| RN04 | 4/F | 55.2 | 60 | 53 |
| RN04 | 5/F | 58.4 | 60 | 53 |
| RN04 | 6/F | 61.5 | 60 | 53 |

| NSR ID | Criteria | Overall LAeq, dB(A) |
|--------|----------|---------------------|
| RN01 | 60 | 48 |
| RN02 | 60 | 54 |
| RN03 | 60 | 48 |
| RN04 | 60 | 53 |

RNIA Results (24 hours, Unmitigated)

| NSR ID | Floor | mPD* | Criteria | Overall LAeq, dB(A) |
|--------|-------|------|----------|---------------------|
| RN01 | 2/F | 48.9 | 65 | 50 |
| RN01 | 3/F | 52.1 | 65 | 50 |
| RN02 | 2/F | 48.9 | 65 | 56 |
| RN02 | 3/F | 52.1 | 65 | 56 |
| RN03 | 4/F | 55.2 | 65 | 50 |
| RN03 | 5/F | 58.4 | 65 | 50 |
| RN03 | 6/F | 61.5 | 65 | 50 |
| RN04 | 4/F | 55.2 | 65 | 54 |
| RN04 | 5/F | 58.4 | 65 | 55 |
| RN04 | 6/F | 61.5 | 65 | 55 |

| NSR ID | Criteria | Leq 24 hours, dB(A) |
|--------|----------|---------------------|
| RN01 | 65 | 50 |
| RN02 | 65 | 56 |
| RN03 | 65 | 50 |
| RN04 | 65 | 54-55 |