

- Legend**
- Project Boundary
  - Utilities Construction
  - 500m Assessment Boundary
  - Existing Air Sensitive Receiver
  - Planned Air Sensitive Receiver
  - NO2 Contour,  $\mu\text{g}/\text{m}^3$

|     |               |    |       |
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 Agreement No. CE 1/2013(CE)  
 Site Formation and Associated  
 Infrastructural Works for Development  
 of Columbarium, Crematorium and  
 Related Facilities at Sandy Ridge  
 Cemetery - Design and Construction

Drawing title  
**Contours of Cumulative  
 19th highest 1-hour NO2  
 Concentrations at  
 1.5m above Ground  
 (Year 2022)**

|                                 |               |                       |                |
|---------------------------------|---------------|-----------------------|----------------|
| Drawing no. <b>Figure 4.5.3</b> |               | Rev. <b>G</b>         |                |
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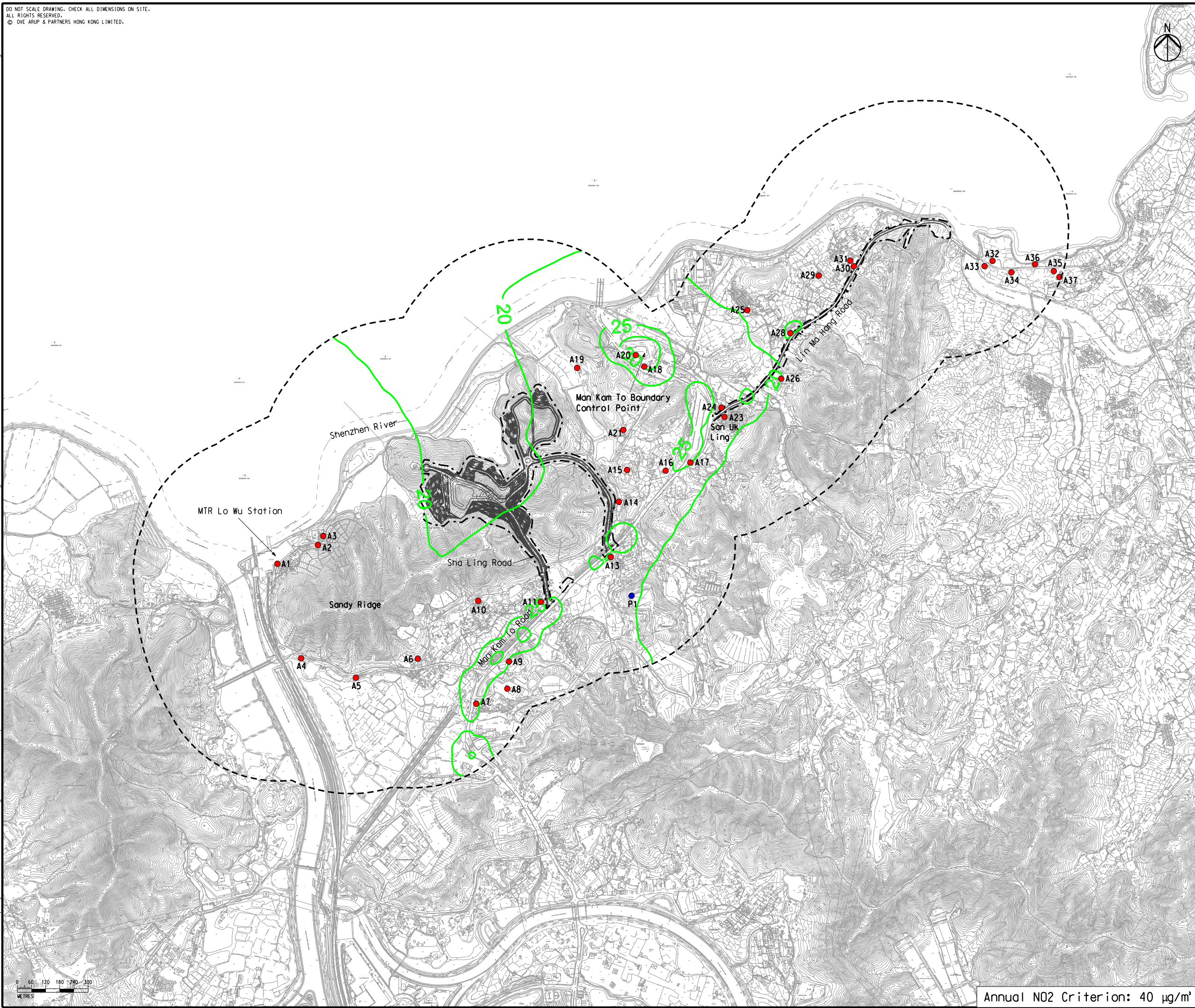
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1-hour NO2 Criterion: 200  $\mu\text{g}/\text{m}^3$





Legend

- Project Boundary
- Utilities Construction
- 500m Assessment Boundary
- Existing Air Sensitive Receiver
- Planned Air Sensitive Receiver
- 70 NO2 Contour, µg/m³

|     |               |    |       |
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Drawing title  
**Contours of Cumulative  
 Annual NO2  
 Concentrations at  
 1.5m above Ground  
 (Year 2022)**

|                                 |               |                       |                |
|---------------------------------|---------------|-----------------------|----------------|
| Drawing no. <b>Figure 4.5.4</b> |               | Rev. <b>G</b>         |                |
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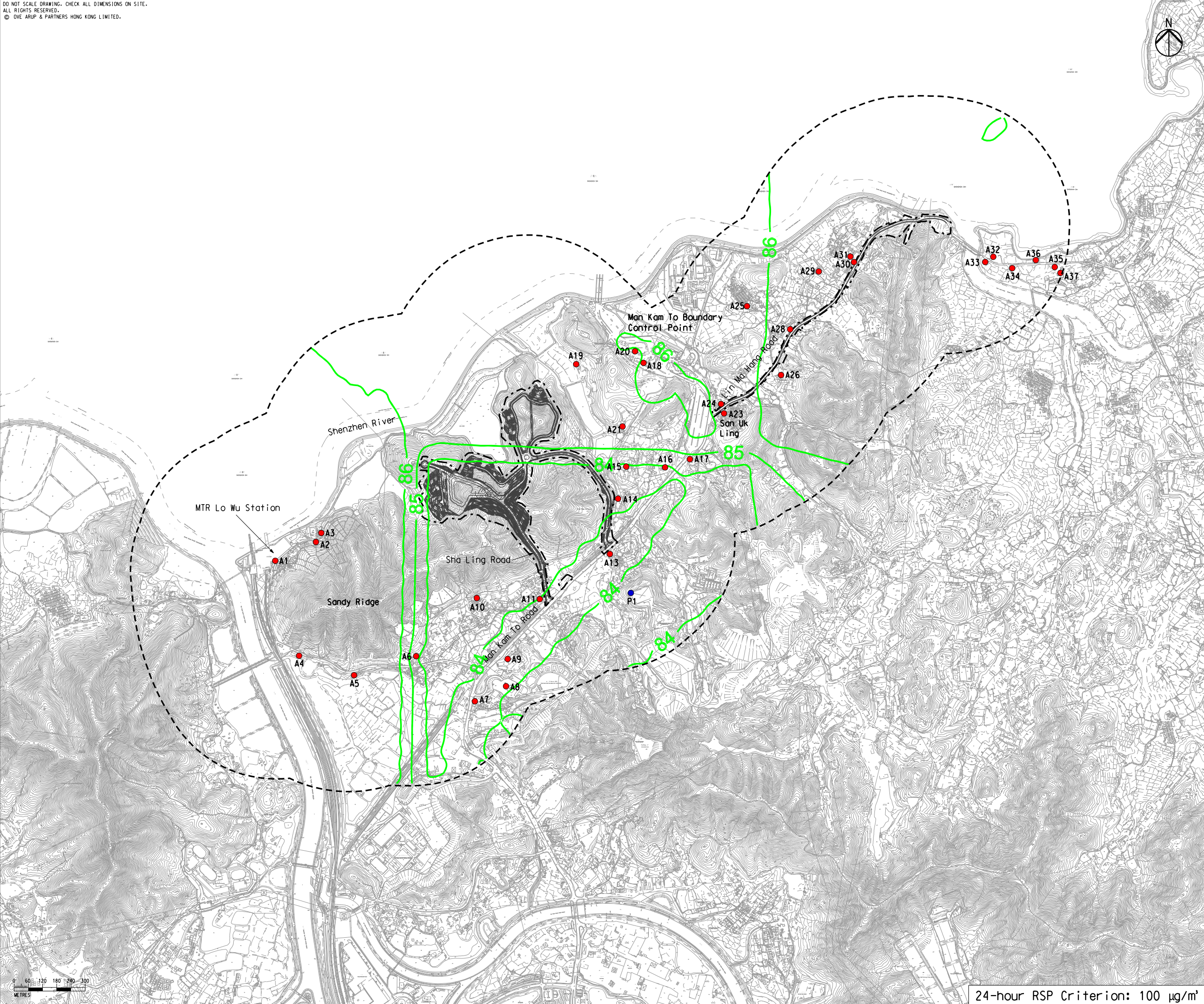


Annual NO2 Criterion: 40 µg/m³



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 Filename : G:\env\project\2314448\13 Drawing Deliverables\Reports\015 EIA\20160229 Revised Final EIA\_v1\Ch 4 Air\Figure 4.5.5 - Contours of Cumulative 10th highest 24-hour RSP Concentrations at 1.5m above Ground (Year 2022).dgn



- Legend**
- Project Boundary
  - Utilities Construction
  - 500m Assessment Boundary
  - Existing Air Sensitive Receiver
  - Planned Air Sensitive Receiver
  - RSP Contour,  $\mu\text{g}/\text{m}^3$

|     |               |    |       |
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 Related Facilities at Sandy Ridge  
 Cemetery - Design and Construction

Drawing title  
**Contours of Cumulative  
 10th highest 24-hour RSP  
 Concentrations at  
 1.5m above Ground  
 (Year 2022)**

|                                 |               |                       |                |
|---------------------------------|---------------|-----------------------|----------------|
| Drawing no. <b>Figure 4.5.5</b> |               | Rev. <b>G</b>         |                |
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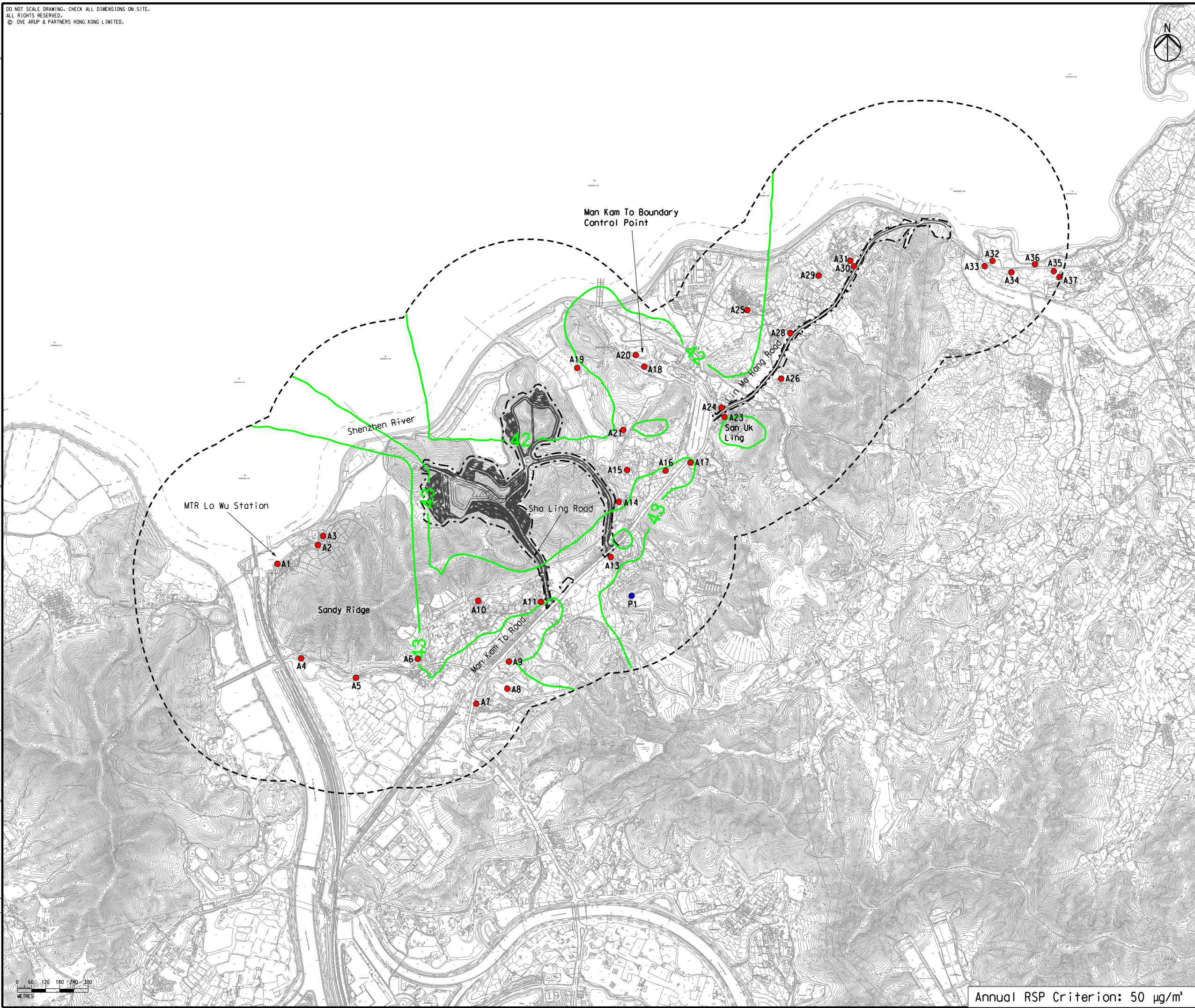
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24-hour RSP Criterion:  $100 \mu\text{g}/\text{m}^3$





Legend

- Project Boundary
- Utilities Construction
- 500m Assessment Boundary
- Existing Air Sensitive Receiver
- Planned Air Sensitive Receiver
- 70 RSP Contour, µg/m<sup>3</sup>

|     |              |    |       |
|-----|--------------|----|-------|
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Drawing title  
**Contours of Cumulative  
 Annual RSP  
 Concentrations at  
 1.5m above Ground  
 (Year 2022)**

|                                 |               |                       |                |
|---------------------------------|---------------|-----------------------|----------------|
| Drawing no. <b>Figure 4.5.6</b> |               | Rev. <b>F</b>         |                |
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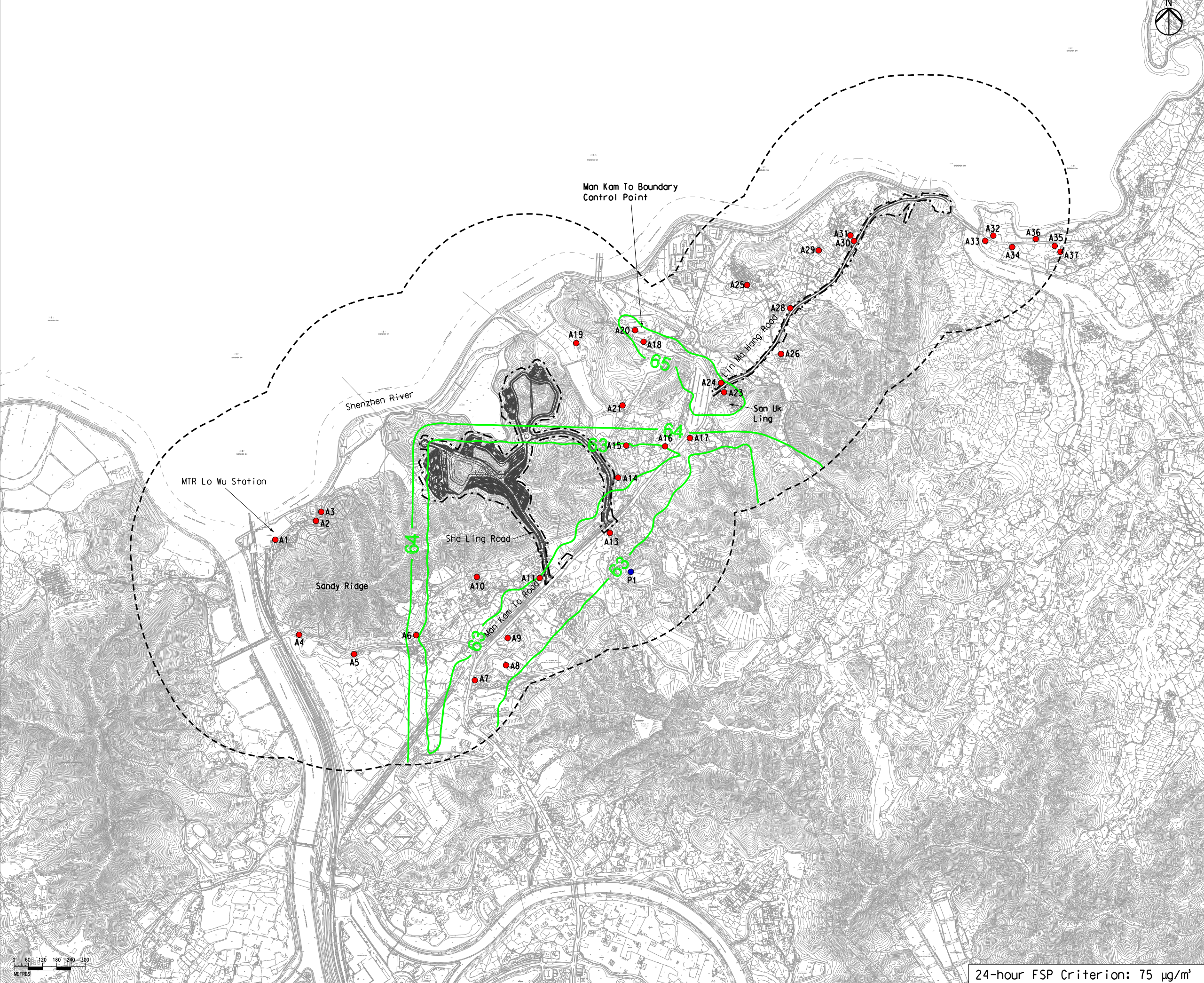


Annual RSP Criterion: 50 µg/m<sup>3</sup>



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- Legend**
- Project Boundary
  - Utilities Construction
  - 500m Assessment Boundary
  - Existing Air Sensitive Receiver
  - Planned Air Sensitive Receiver
  - FSP Contour,  $\mu\text{g}/\text{m}^3$

|     |               |    |       |
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 of Columbarium, Crematorium and  
 Related Facilities at Sandy Ridge  
 Cemetery - Design and Construction

Drawing title  
**Contours of Cumulative  
 10th highest 24-hour FSP  
 Concentrations at  
 1.5m above Ground  
 (Year 2022)**

|                                 |               |                       |                |
|---------------------------------|---------------|-----------------------|----------------|
| Drawing no. <b>Figure 4.5.7</b> |               | Rev. <b>G</b>         |                |
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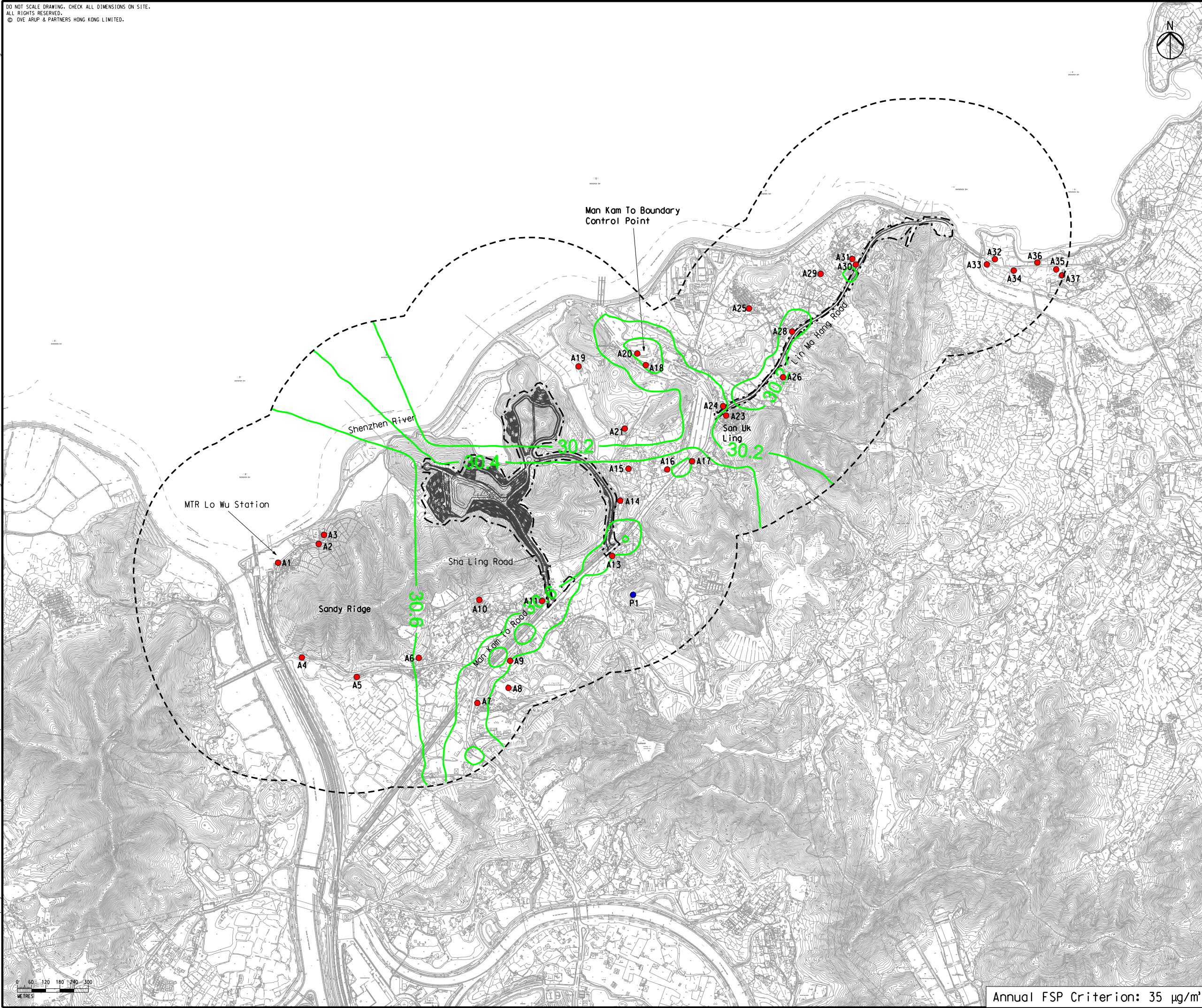
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24-hour FSP Criterion:  $75 \mu\text{g}/\text{m}^3$





- Legend**
- Project Boundary
  - Utilities Construction
  - 500m Assessment Boundary
  - Existing Air Sensitive Receiver
  - Planned Air Sensitive Receiver
  - FSP Contour,  $\mu\text{g}/\text{m}^3$

|     |               |    |       |
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 Related Facilities at Sandy Ridge  
 Cemetery - Design and Construction

Drawing title  
**Contours of Cumulative  
 Annual FSP  
 Concentrations at  
 1.5m above Ground  
 (Year 2022)**

|                                 |               |                       |                |
|---------------------------------|---------------|-----------------------|----------------|
| Drawing no. <b>Figure 4.5.8</b> |               | Rev. <b>G</b>         |                |
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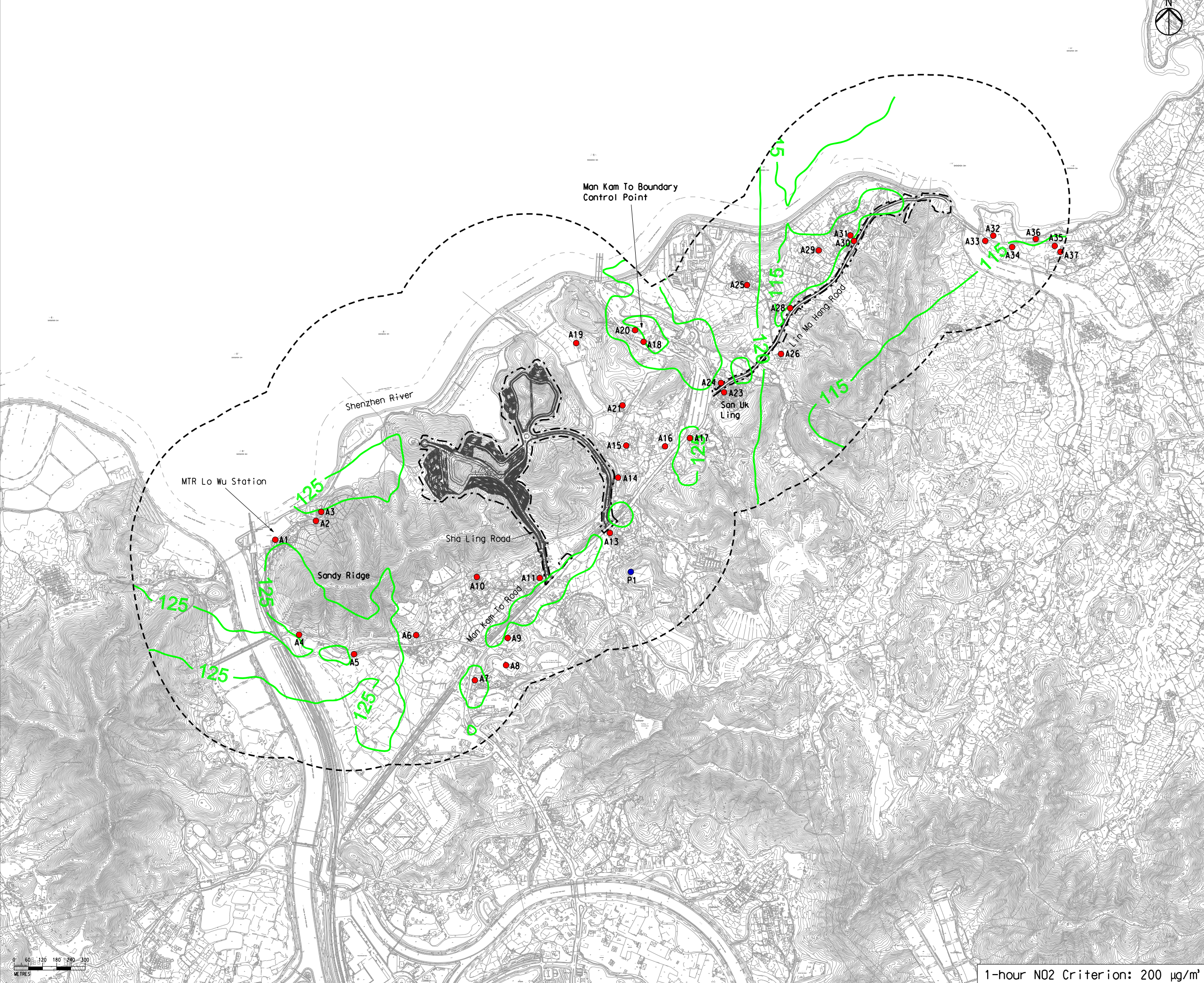
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Annual FSP Criterion: 35  $\mu\text{g}/\text{m}^3$



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- Legend**
- Project Boundary
  - Utilities Construction
  - 500m Assessment Boundary
  - Existing Air Sensitive Receiver
  - Planned Air Sensitive Receiver
  - NO2 Contour, µg/m³

|     |               |    |       |
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 Cemetery - Design and Construction

Drawing title  
**Contours of Cumulative  
 19th highest 1-hour NO2  
 Concentrations at  
 1.5m above Ground  
 (Year 2030)**

|                                 |               |                       |                |
|---------------------------------|---------------|-----------------------|----------------|
| Drawing no. <b>Figure 4.5.9</b> |               | Rev. <b>G</b>         |                |
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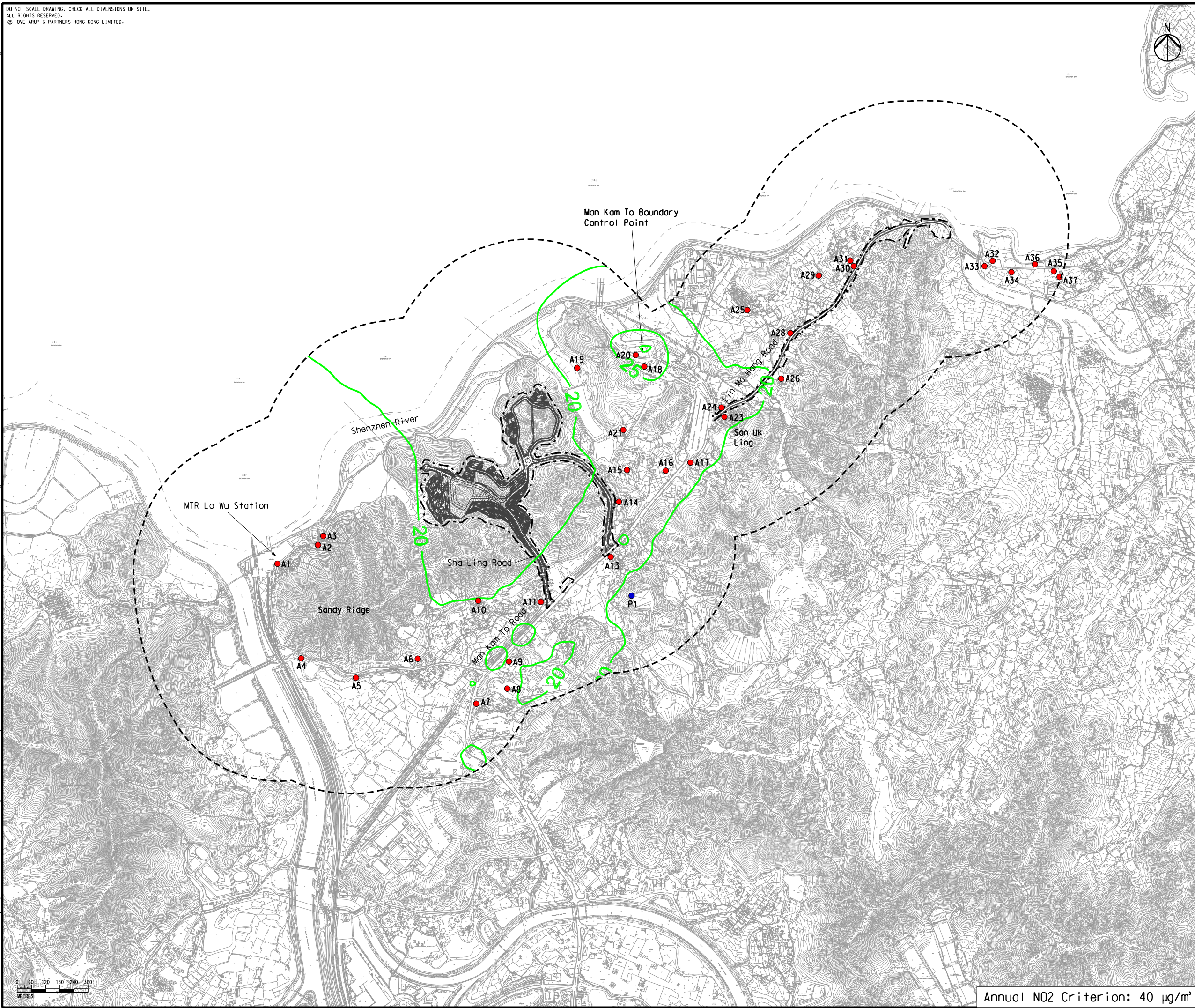
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1-hour NO2 Criterion: 200 µg/m³





Legend

- Project Boundary
- Utilities Construction
- 500m Assessment Boundary
- Existing Air Sensitive Receiver
- Planned Air Sensitive Receiver
- NO2 Contour, µg/m³

|     |               |    |       |
|-----|---------------|----|-------|
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 Cemetery - Design and Construction

Drawing title  
**Contours of Cumulative  
 Annual NO2  
 Concentrations at  
 1.5m above Ground  
 (Year 2030)**

|                                  |               |                       |                |
|----------------------------------|---------------|-----------------------|----------------|
| Drawing no. <b>Figure 4.5.10</b> |               | Rev. <b>G</b>         |                |
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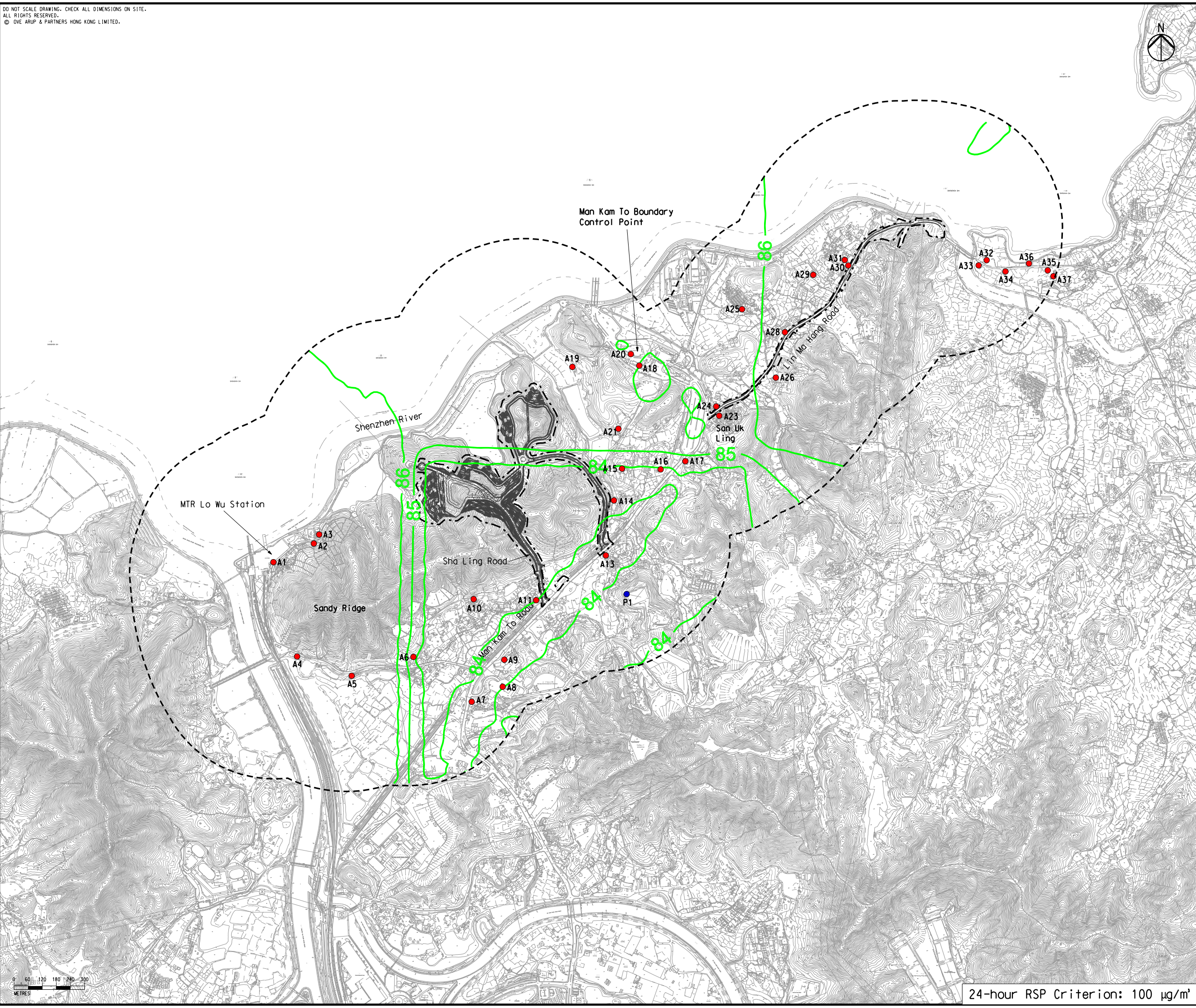
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Annual NO2 Criterion: 40 µg/m³





**Legend**

- Project Boundary
- Utilities Construction
- 500m Assessment Boundary
- Existing Air Sensitive Receiver
- Planned Air Sensitive Receiver
- RSP Contour, µg/m³

|     |               |    |       |
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Drawing title  
**Contours of Cumulative  
 10th highest 24-hour RSP  
 Concentrations at  
 1.5m above Ground  
 (Year 2030)**

|                                  |               |                       |                |
|----------------------------------|---------------|-----------------------|----------------|
| Drawing no. <b>Figure 4.5.11</b> |               | Rev. <b>G</b>         |                |
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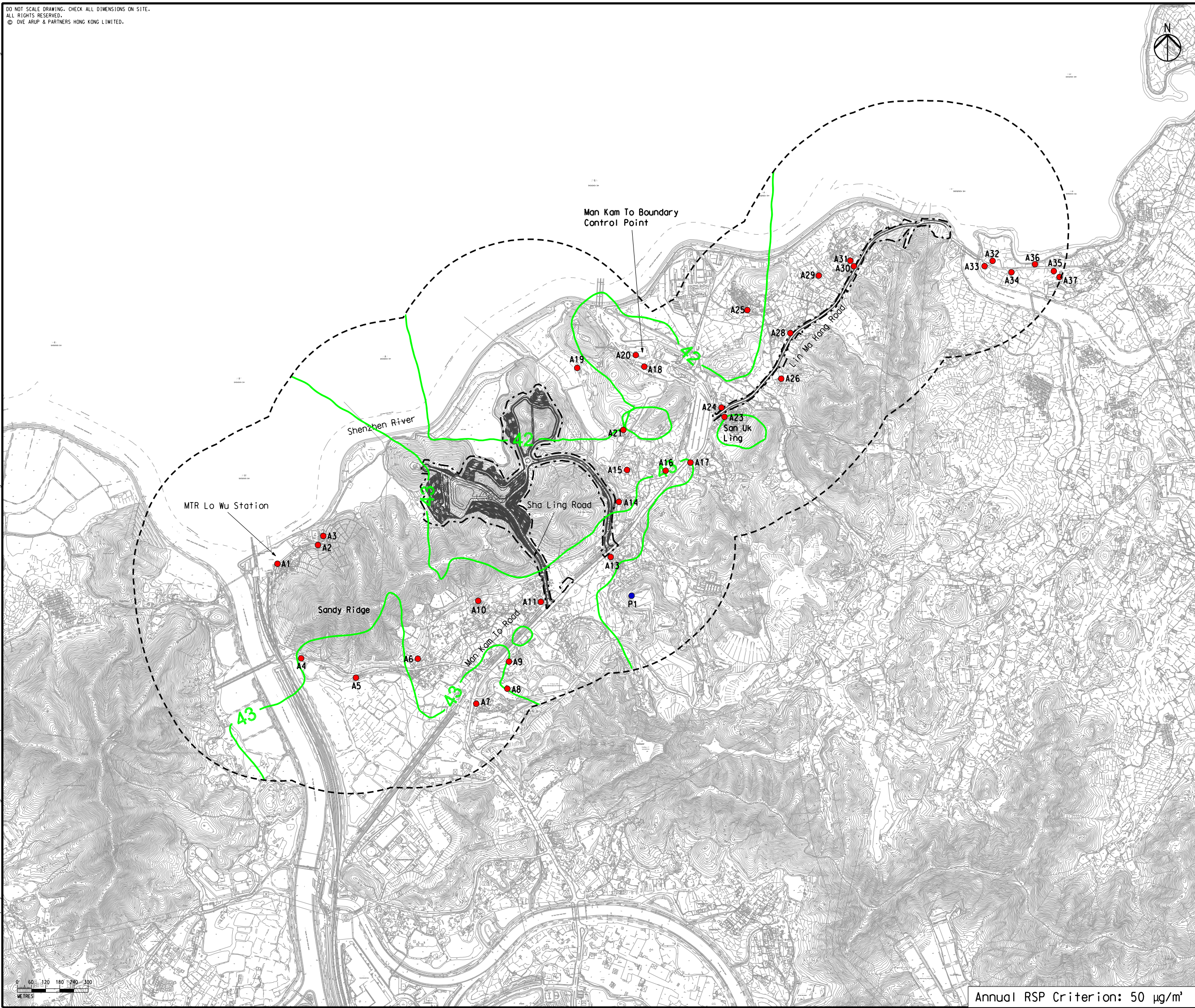
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24-hour RSP Criterion: 100 µg/m³





Legend

- Project Boundary
- Utilities Construction
- 500m Assessment Boundary
- Existing Air Sensitive Receiver
- Planned Air Sensitive Receiver
- 70 RSP Contour, µg/m³

|     |               |    |       |
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Drawing title  
**Contours of Cumulative  
 Annual RSP  
 Concentrations at  
 1.5m above Ground  
 (Year 2030)**

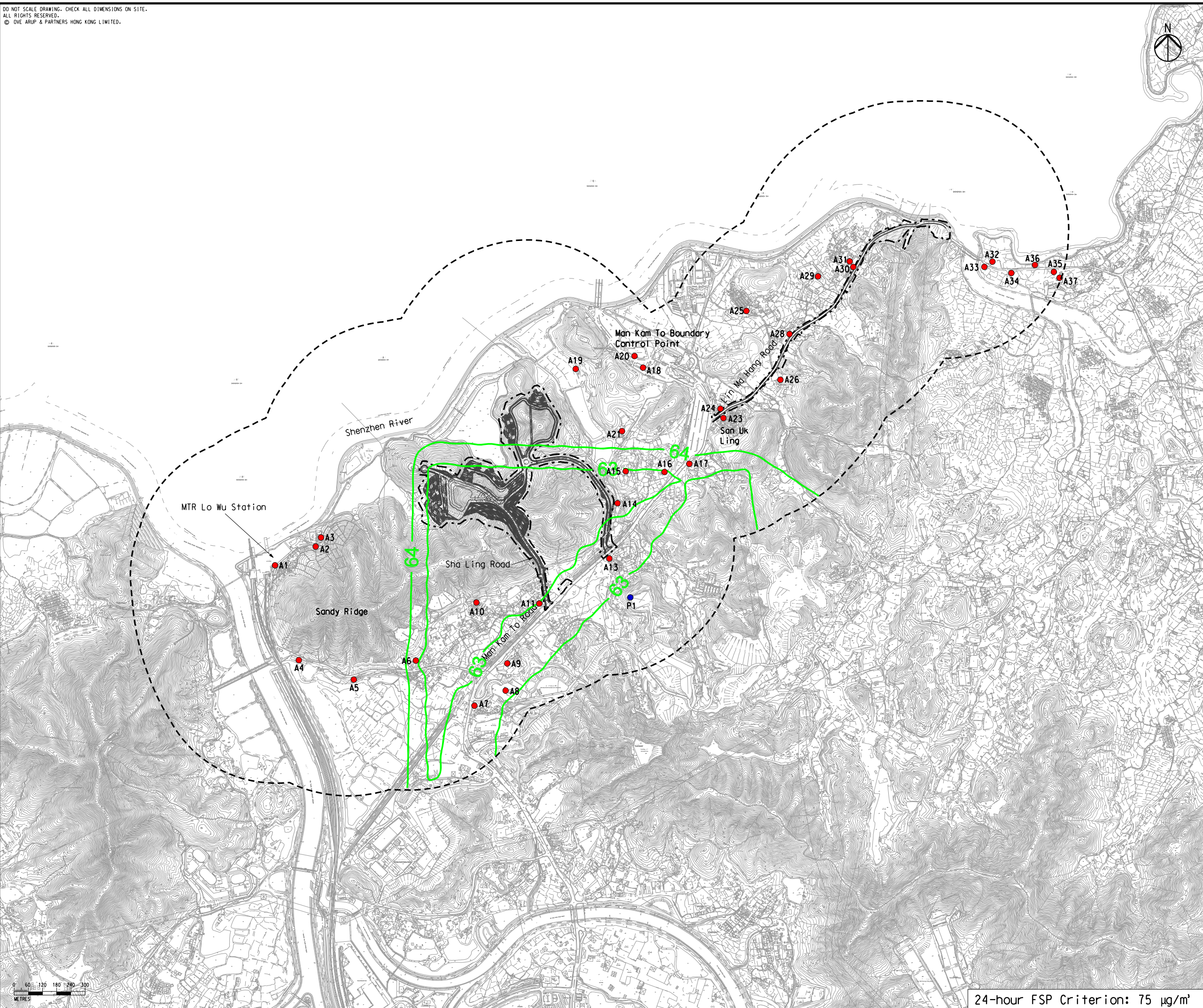
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| Drawing no. <b>Figure 4.5.12</b> |               | Rev. <b>G</b>         |                |
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Annual RSP Criterion: 50 µg/m³





- Legend**
- Project Boundary
  - Utilities Construction
  - 500m Assessment Boundary
  - Existing Air Sensitive Receiver
  - Planned Air Sensitive Receiver
  - FSP Contour,  $\mu\text{g}/\text{m}^3$

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Drawing title  
**Contours of Cumulative  
 10th highest 24-hour FSP  
 Concentrations at  
 1.5m above Ground  
 (Year 2030)**

|                                  |               |                       |                |
|----------------------------------|---------------|-----------------------|----------------|
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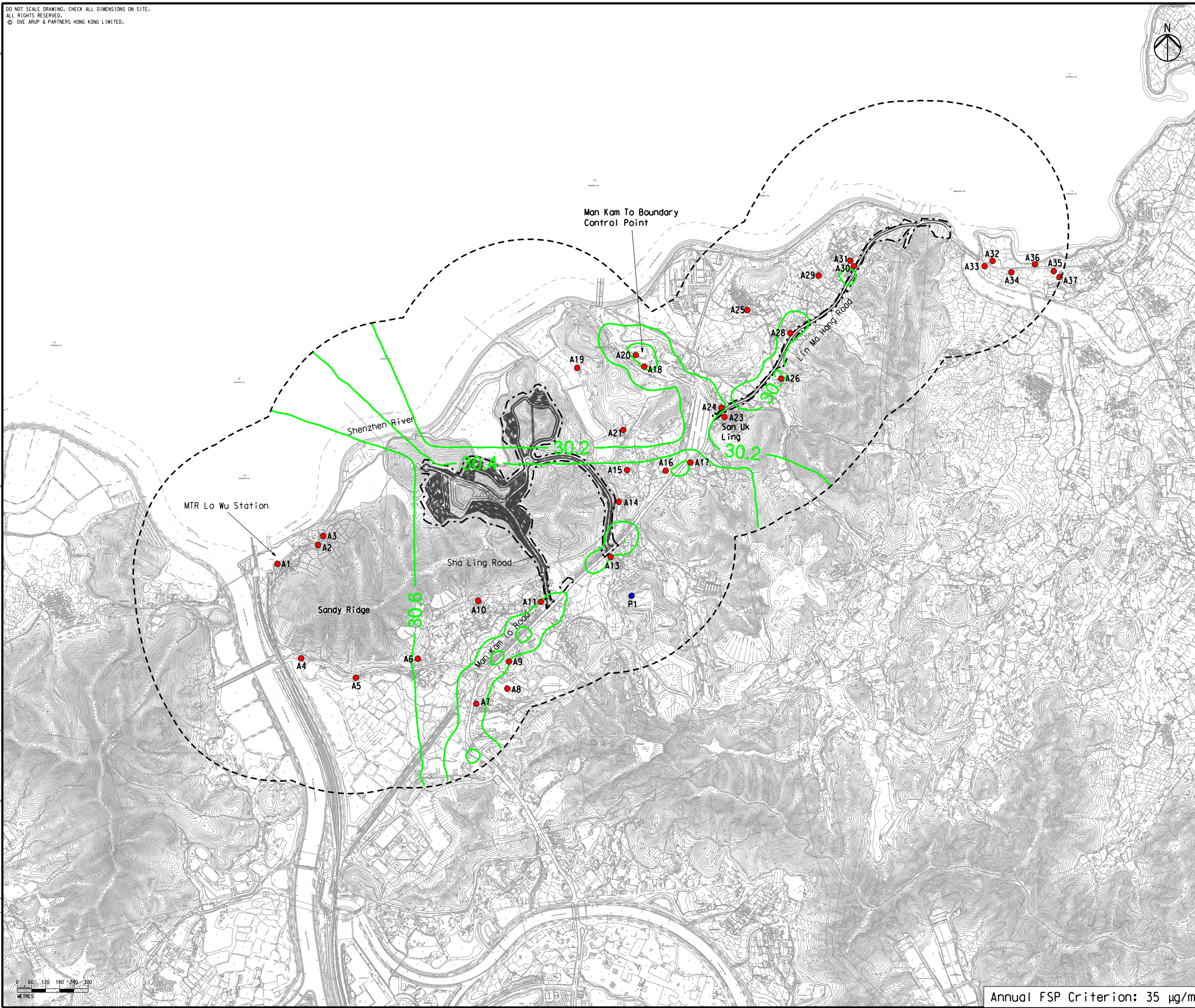
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24-hour FSP Criterion:  $75 \mu\text{g}/\text{m}^3$





Legend

- Project Boundary
- Utilities Construction
- 500m Assessment Boundary
- Existing Air Sensitive Receiver
- Planned Air Sensitive Receiver
- FSP Contour,  $\mu\text{g}/\text{m}^3$

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 Cemetery - Design and Construction

Drawing title  
**Contours of Cumulative  
 Annual FSP  
 Concentrations at  
 1.5m above Ground  
 (Year 2030)**

|                                  |               |                       |                |
|----------------------------------|---------------|-----------------------|----------------|
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Annual FSP Criterion: 35  $\mu\text{g}/\text{m}^3$