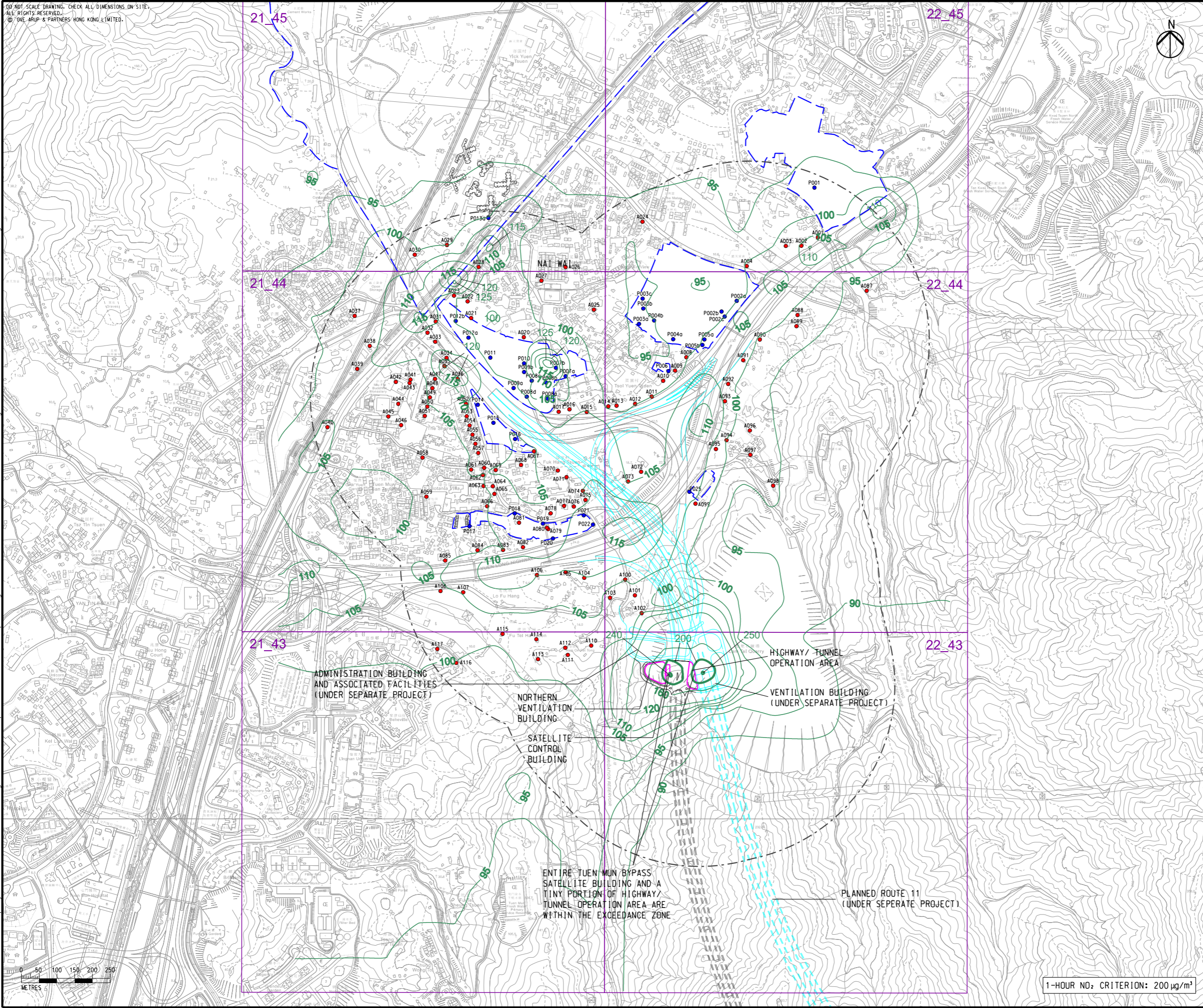


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Printed by : 9/14/2023
Filename : G:\env\project\287168-25\13 Drawing Deliverables\report\REP-XXX EIA Report\Figure 3.6a - Contours of Cumulative 19th highest 1-hour NO2 (Year 2048) in Lam Tei.dgn



- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 - 500M OPERATIONAL ASSESSMENT AREA
 - PLANNED ROUTE 11 (UNDER SEPERATE PROJECT)
 - COMMITTED/PLANNED DEVELOPMENTS
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - COMMITTED/PLANNED REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 200- NO₂ CONTOUR, µg/m³

C	THIRD ISSUE	GL	08/23
B	SECOND ISSUE	GL	07/23
A	FIRST ISSUE	GL	06/23
Rev	Description	By	Date

Consultant
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Project title
Agreement No. CE 65/2021(HY)
Tuen Mun Bypass - Investigation

Drawing title
CONTOURS OF CUMULATIVE 19th HIGHEST 1-HOUR NO₂ CONCERNTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN LAM TEI

Drawing no. FIGURE 3.6a		Rev. C	
Drawn GL	Date 08/23	Checked TL	Approved FC
Scale 1:10000 @ A3		Status PRELIMINARY	

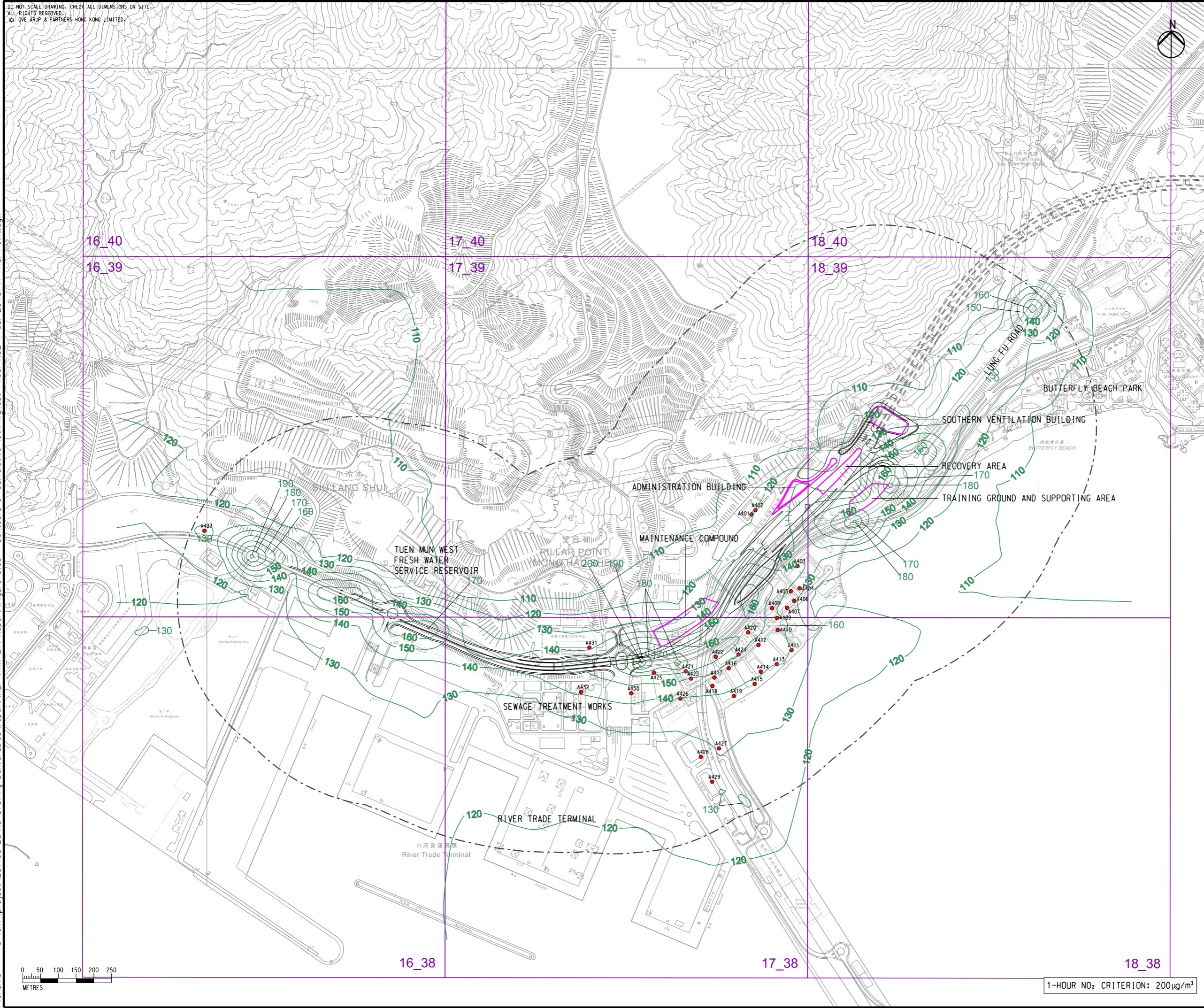
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1-HOUR NO₂ CRITERION: 200 µg/m³

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Printed by : 23/8/2023
 Filename : G:\env\project\287168-25\13 Drawing Deliverables\report\REP-XXX EIA Report\Figure 3.6b - Contours of Cumulative 19th highest 1-hour NO2 (Year 2048) in Pillar Point.dgn



- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 - 500M OPERATIONAL ASSESSMENT AREA
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - NO₂ CONTOUR, µg/m³

Rev	Description	By	Date
B	SECOND ISSUE	GL	08/23
A	FIRST ISSUE	GL	06/23

Consultant
ARUP

Project title
 Agreement No. CE 65/2021(HY)
 Tuén Mun Bypass - Investigation

Drawing title
**CONTOURS OF CUMULATIVE
 19th HIGHEST 1-HOUR NO₂
 CONCENTRATION AT 1.5m
 ABOVE GROUND (YEAR 2048)
 IN PILLAR POINT**

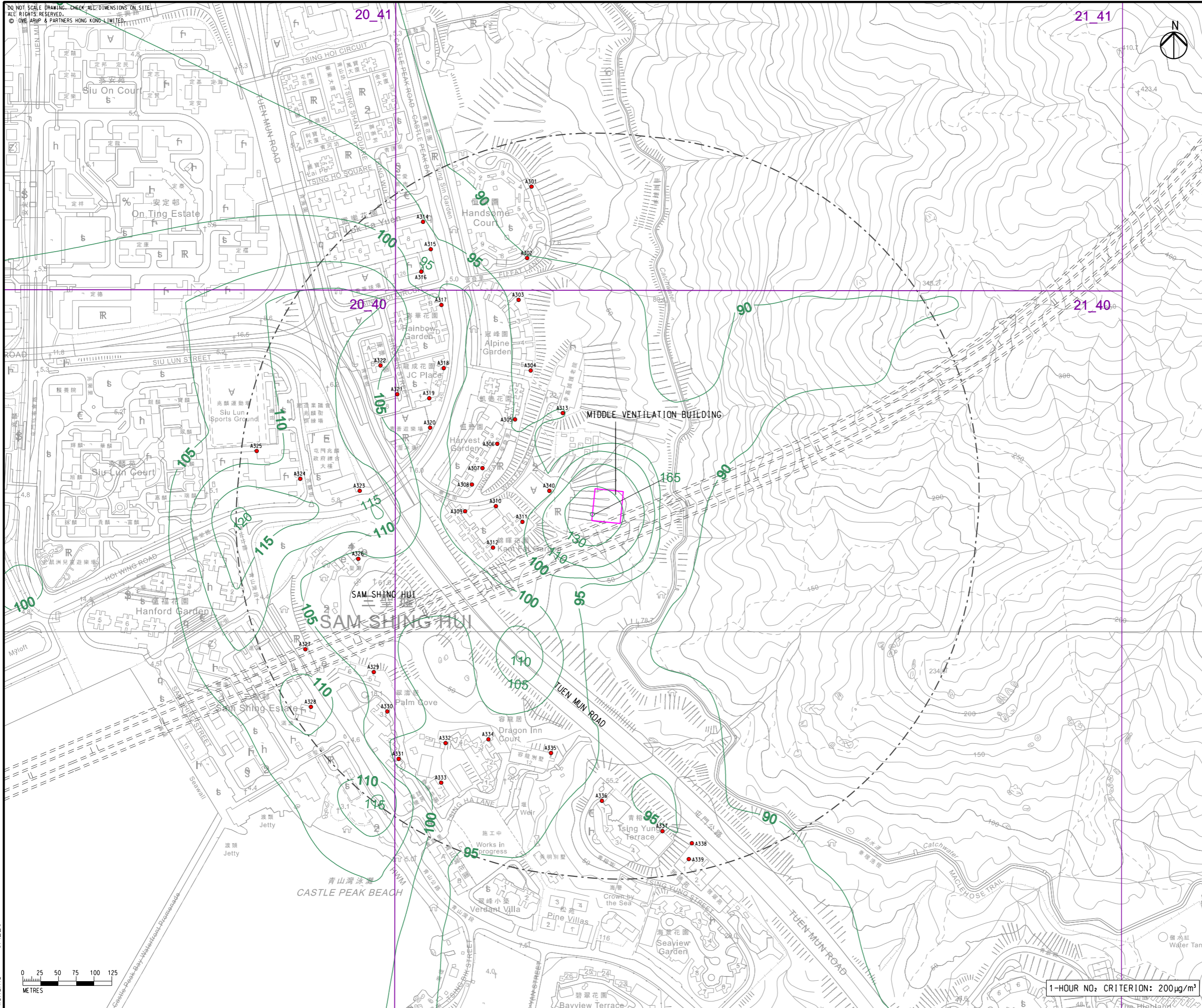
Drawing no.		Rev.	
FIGURE 3.6b		B	
Drawn	Date	Checked	Approved
GL	08/23	TL	FC
Scale	Status		PRELIMINARY
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1-HOUR NO₂ CRITERION: 200 µg/m³

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- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 - 500M OPERATIONAL ASSESSMENT AREA
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 200 NO₂ CONTOUR, µg/m³

C	THIRD ISSUE	GL	08/23
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A	FIRST ISSUE	GL	06/23
Rev	Description	By	Date

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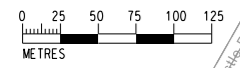
Drawing title
CONTOURS OF CUMULATIVE 19th HIGHEST 1-HOUR NO₂ CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN SAM SHING

Drawing no. FIGURE 3.6c		Rev. C	
Drawn GL	Date 08/23	Checked TL	Approved FC
Scale 1:5000 @ A3		Status PRELIMINARY	

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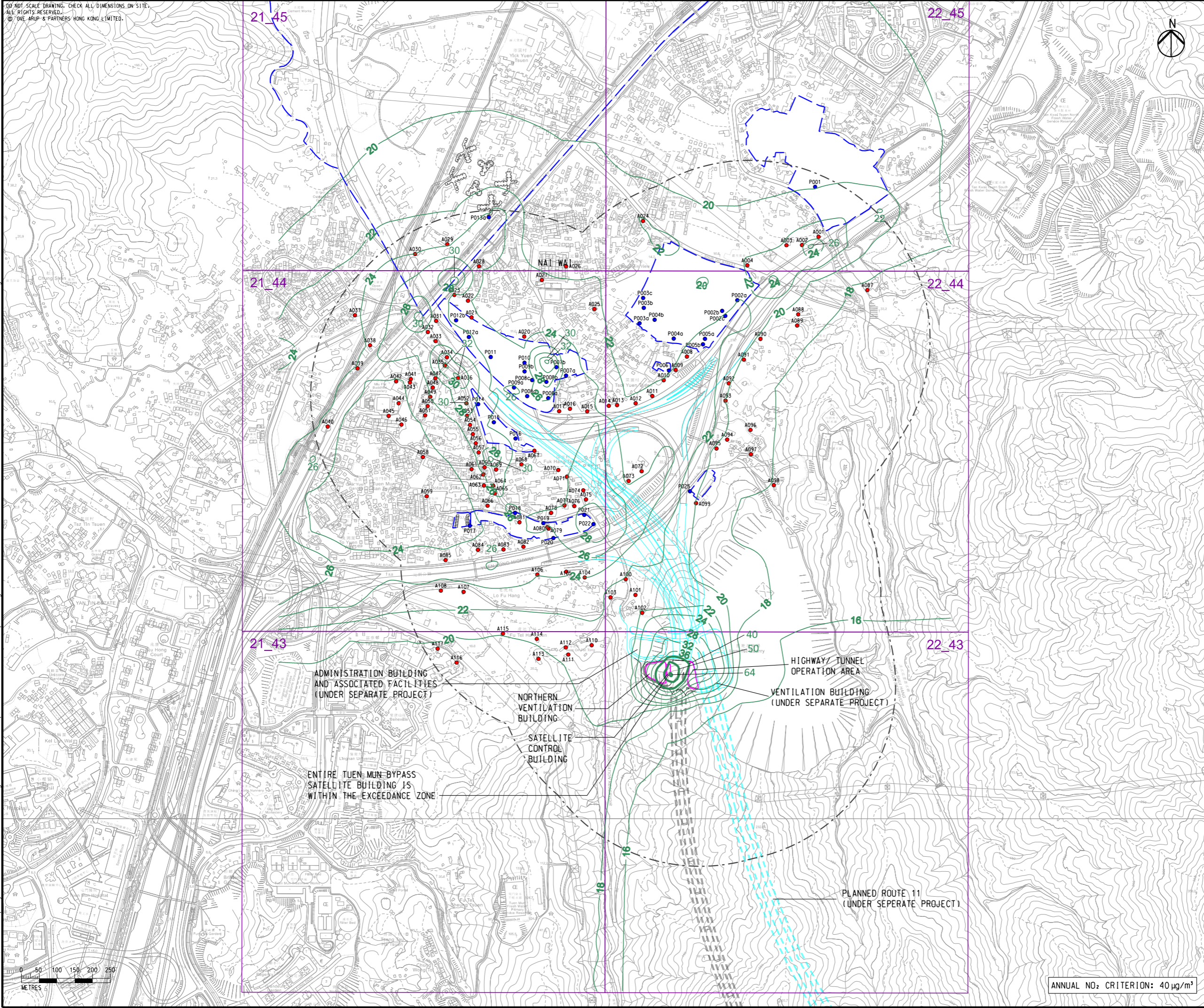
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Filename : \$FILES\$



1-HOUR NO₂ CRITERION: 200µg/m³

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Printed by : 9/14/2023
Filename : G:\env\project\287168-25\13 Drawing Deliverables\REP-XXX EIA Report\Figure 3.7a - Contours of Cumulative Annual NO2 (Year 2048) in Lam Tei.dgn



- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 - 500M OPERATIONAL ASSESSMENT AREA
 - PLANNED ROUTE 11 (UNDER SEPERATE PROJECT)
 - COMMITTED/PLANNED DEVELOPMENTS
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - COMMITTED/PLANNED REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 40 - NO₂ CONTOUR, µg/m³

C	THIRD ISSUE	GL	08/23
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A	FIRST ISSUE	GL	06/23
Rev	Description	By	Date

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Project title
Agreement No. CE 65/2021(HY)
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Drawing title
CONTOURS OF CUMULATIVE ANNUAL NO₂ CONCERTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN LAM TEI

Drawing no. FIGURE 3.7a		Rev. C	
Drawn GL	Date 08/23	Checked TL	Approved FC
Scale 1:10000 @ A3		Status PRELIMINARY	

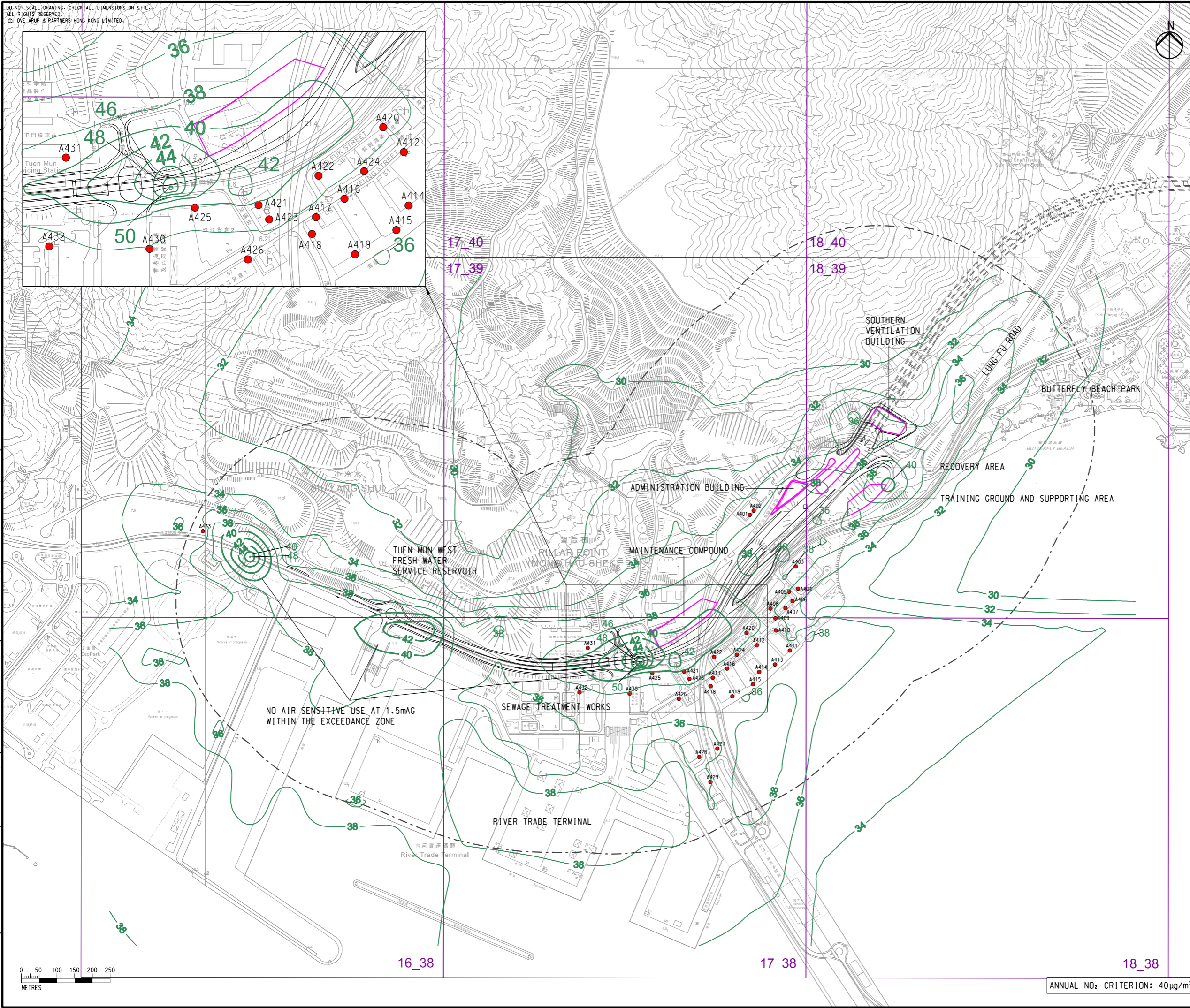
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ANNUAL NO₂ CRITERION: 40 µg/m³

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 Filename : \\global\EastAsia\HKG\Group\CI\ENV\env\project\287168-25\13 Drawing Deliverables\report\REP-XXX EIA Report\Figure 3.7b - Contours of Cumulative Annual NO2 (Year 2048) in Pillar Point.dgn



- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 - 500M OPERATIONAL ASSESSMENT AREA
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 40 NO₂ CONTOUR, µg/m³

C	THIRD ISSUE	GL	09/23
B	SECOND ISSUE	GL	08/23
A	FIRST ISSUE	GL	06/23
Rev	Description	By	Date

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 Agreement No. CE 65/2021(HY)
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Drawing title
CONTOURS OF CUMULATIVE ANNUAL NO₂ CONCERNTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN PILLAR POINT

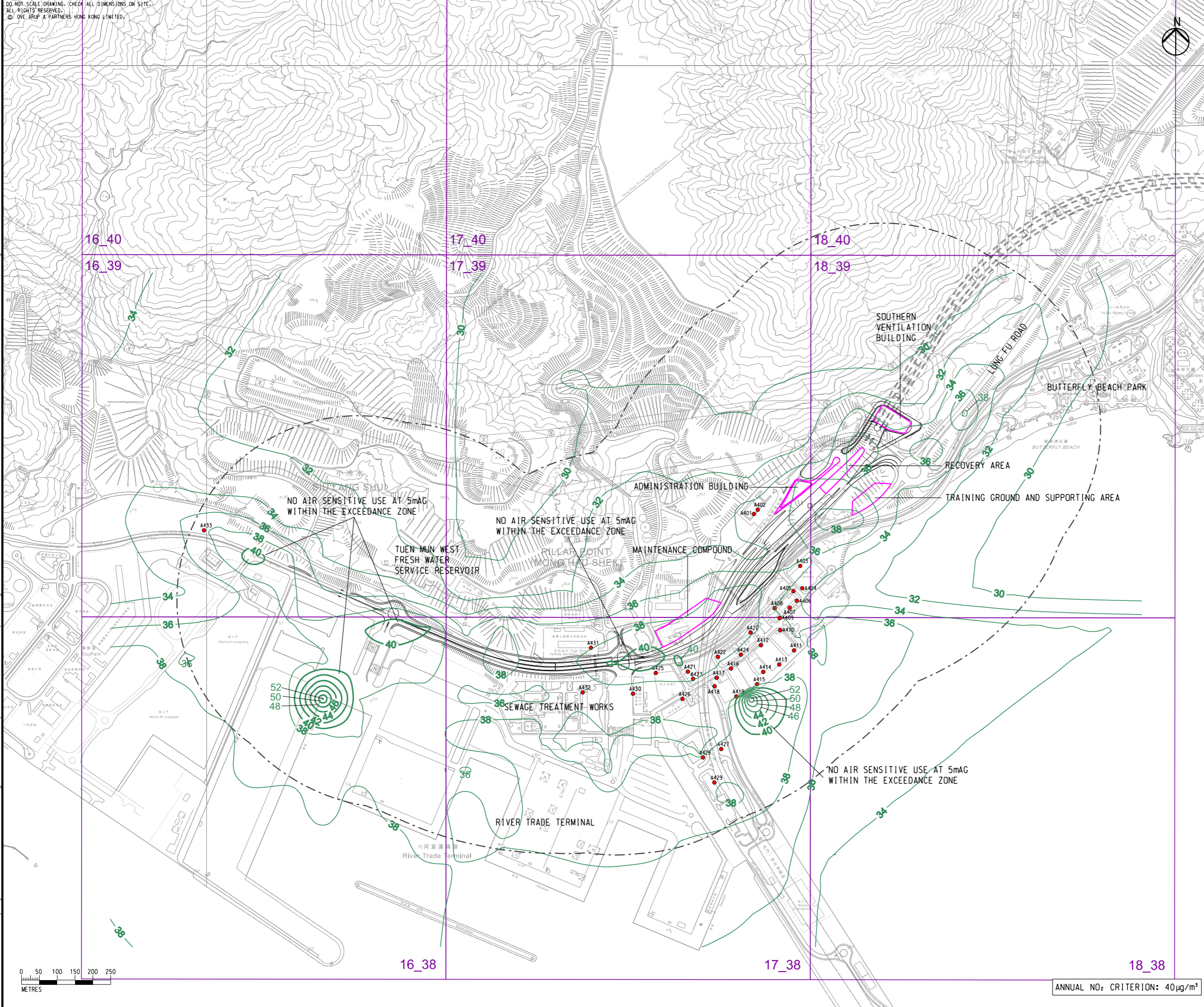
Drawing no. FIGURE 3.7b		Rev. C	
Drawn GL	Date 09/23	Checked TL	Approved FC
Scale 1:10000 @ A3		Status PRELIMINARY	

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ANNUAL NO₂ CRITERION: 40 µg/m³

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- LEGEND**
-  PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 -  PROPOSED TUNNEL
 -  HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 -  500M OPERATIONAL ASSESSMENT AREA
 -  CONCERNED PATH GRID
 -  EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 -  - 40 - NO₂ CONTOUR, µg/m³



C	THIRD ISSUE	GL	09/23
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A	FIRST ISSUE	GL	06/23
Rev	Description	By	Date

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 Agreement No. CE 65/2021(HY)
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Drawing title
CONTOURS OF CUMULATIVE ANNUAL NO₂ CONCERNTRATION AT 5m ABOVE GROUND (YEAR 2048) IN PILLAR POINT

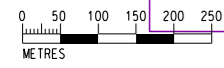
Drawing no.		Rev.	
FIGURE 3.7c		C	
Drawn	Date	Checked	Approved
GL	09/23	TL	FC
Scale	Status		PRELIMINARY
1:10000 @ A3			

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





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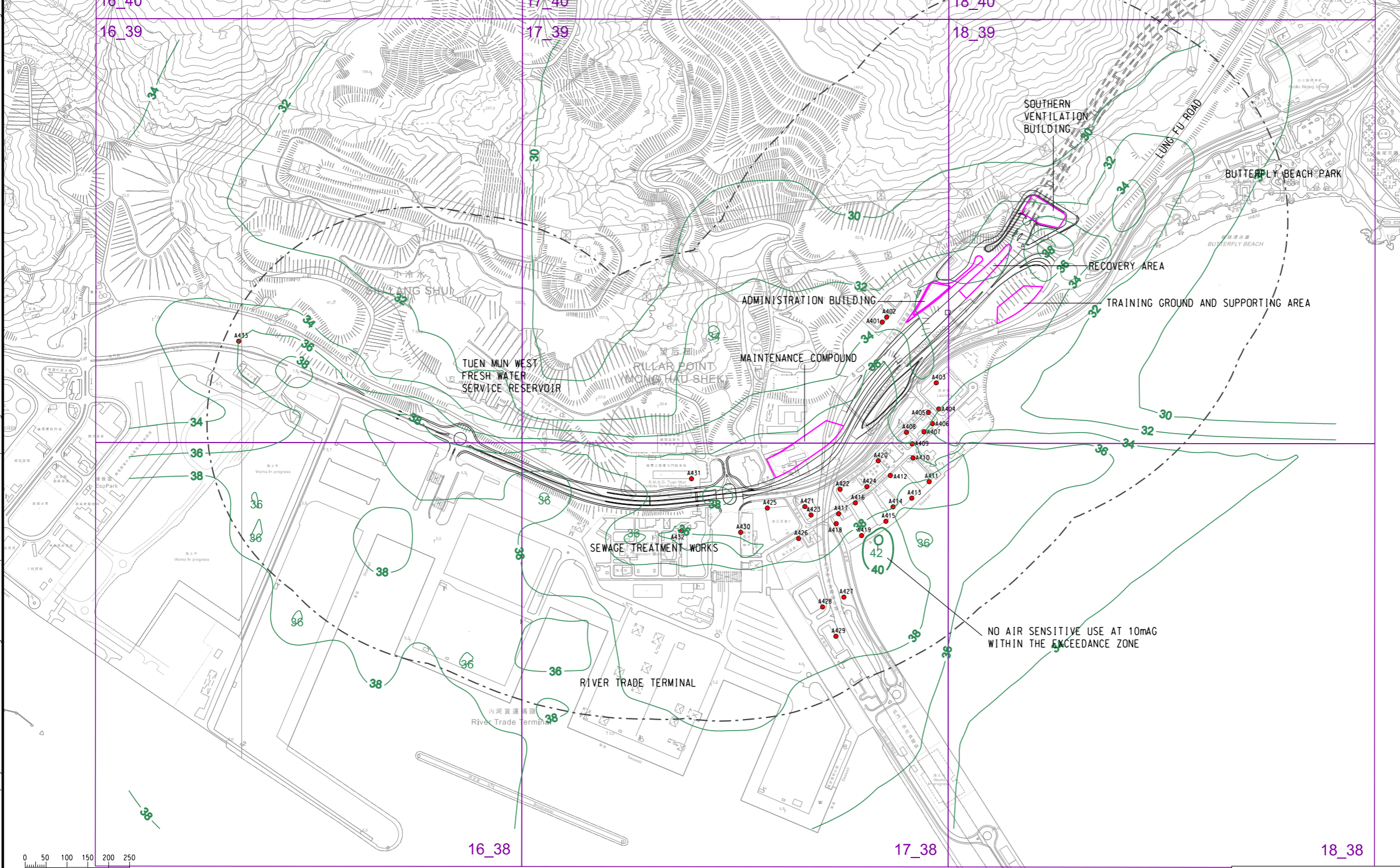
Printed by : 7/9/2023
 Filename : G:\env\project\287168-25\13 Drawing Deliverables\report\REP-XXX EIA Report\Figure 3.7c - Contours of Cumulative Annual NO2 (Year 2048) in Pillar Point_5m.dgn



ANNUAL NO₂ CRITERION: 40 µg/m³

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- LEGEND**
-  PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 -  PROPOSED TUNNEL
 -  HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 -  500M OPERATIONAL ASSESSMENT AREA
 -  CONCERNED PATH GRID
 -  EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 -  NO₂ CONTOUR, µg/m³



C	THIRD ISSUE	GL	09/23
B	SECOND ISSUE	GL	08/23
A	FIRST ISSUE	GL	06/23
Rev	Description	By	Date

Consultant
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Project title
 Agreement No. CE 65/2021(HY)
 Tuén Mun Bypass - Investigation

Drawing title
CONTOURS OF CUMULATIVE ANNUAL NO₂ CONCENTRATION AT 10m ABOVE GROUND (YEAR 2048) IN PILLAR POINT

Drawing no.		Rev.	
FIGURE 3.7d		C	
Drawn	Date	Checked	Approved
GL	09/23	TL	FC
Scale	Status		PRELIMINARY
1:10000 @ A3			

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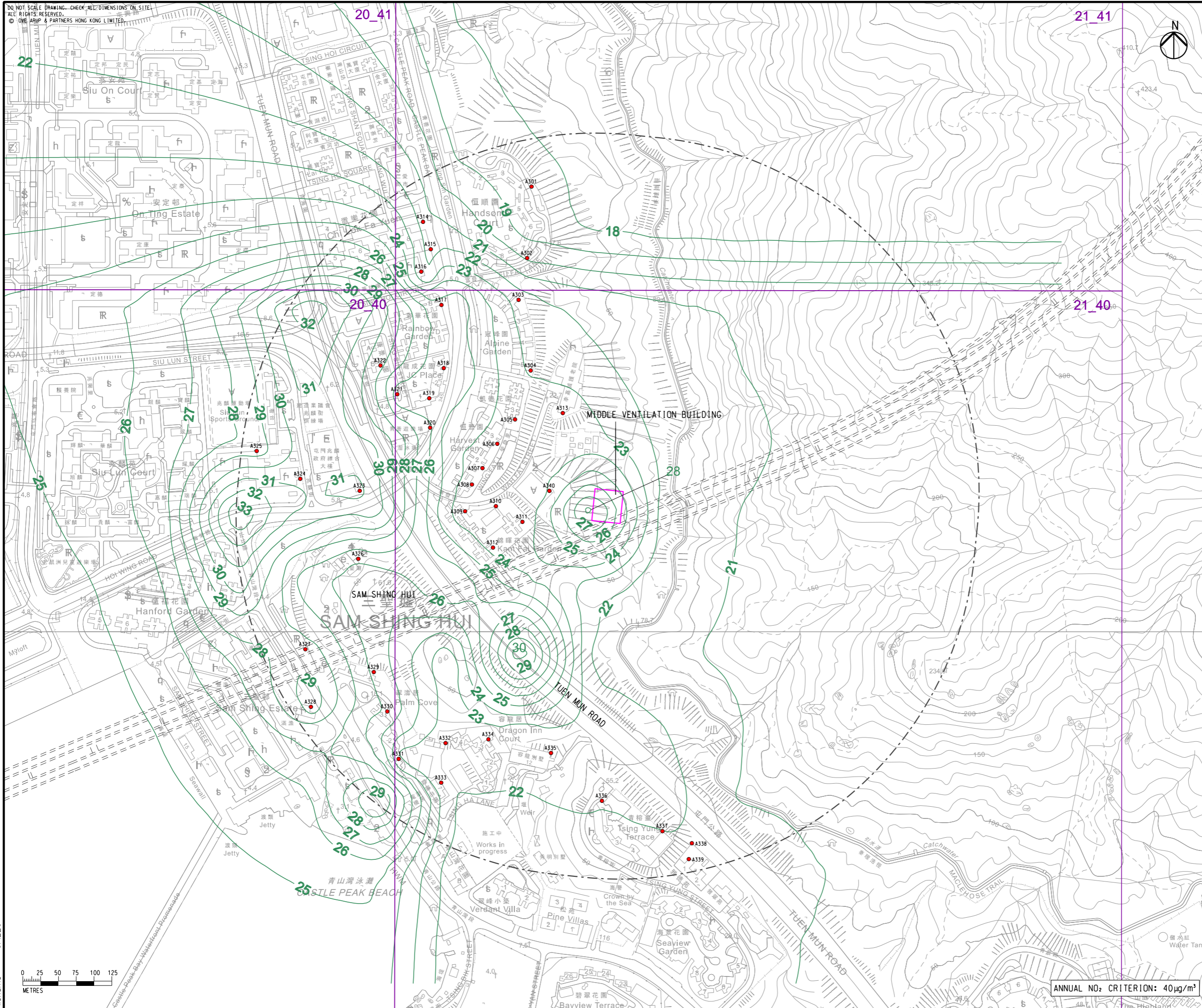


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 Filename : G:\env\project\287168-25\13 Drawing Deliverables\report\REP-XXX EIA Report\Figure 3.7d - Contours of Cumulative Annual NO2 (Year 2048) in Pillar Point_10m.dgn

ANNUAL NO₂ CRITERION: 40 µg/m³

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- LEGEND**
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 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 - 500M OPERATIONAL ASSESSMENT AREA
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 40 - NO₂ CONTOUR, µg/m³

C	THIRD ISSUE	GL	08/23
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A	FIRST ISSUE	GL	06/23
Rev	Description	By	Date

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Agreement No. CE 65/2021(HY)
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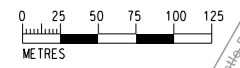
Drawing title
CONTOURS OF CUMULATIVE ANNUAL NO₂ CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN SAM SHING

Drawing no. FIGURE 3.7e		Rev. C	
Drawn GL	Date 08/23	Checked TL	Approved FC
Scale 1:5000 @ A3		Status PRELIMINARY	

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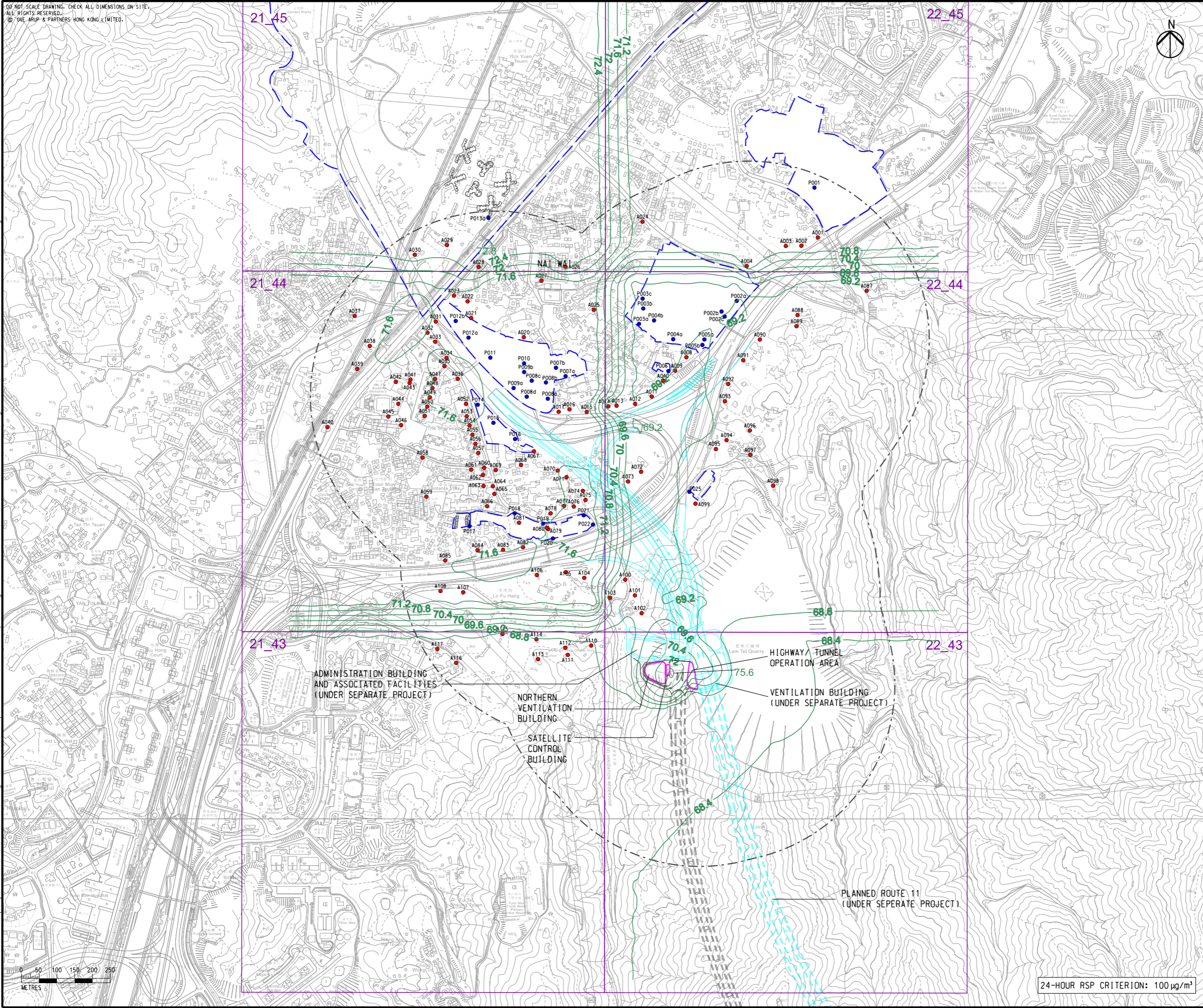
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ANNUAL NO₂ CRITERION: 40µg/m³

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Filename : G:\env\project\287168-25\13 Drawing Deliverables\report\REP-XXX EIA Report\Figure 3.8a - Contours of Cumulative 10th highest 24-hour RSP (Year 2048) in Lam Tei.dgn



- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 - 500M OPERATIONAL ASSESSMENT AREA
 - PLANNED ROUTE 11 (UNDER SEPERATE PROJECT)
 - COMMITTED/PLANNED DEVELOPMENTS
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - COMMITTED/PLANNED REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 100- RSP CONTOUR, $\mu\text{g}/\text{m}^3$

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A	FIRST ISSUE	GL	06/23
Rev	Description	By	Date

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Project title
Agreement No. CE 65/2021(HY)
Tuen Mun Bypass - Investigation

Drawing title
CONTOURS OF CUMULATIVE 10th HIGHEST 24-HOUR RSP CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN LAM TEI

Drawing no. FIGURE 3.8a		Rev. C	
Drawn GL	Date 08/23	Checked TL	Approved FC
Scale 1:10000 @ A3		Status PRELIMINARY	

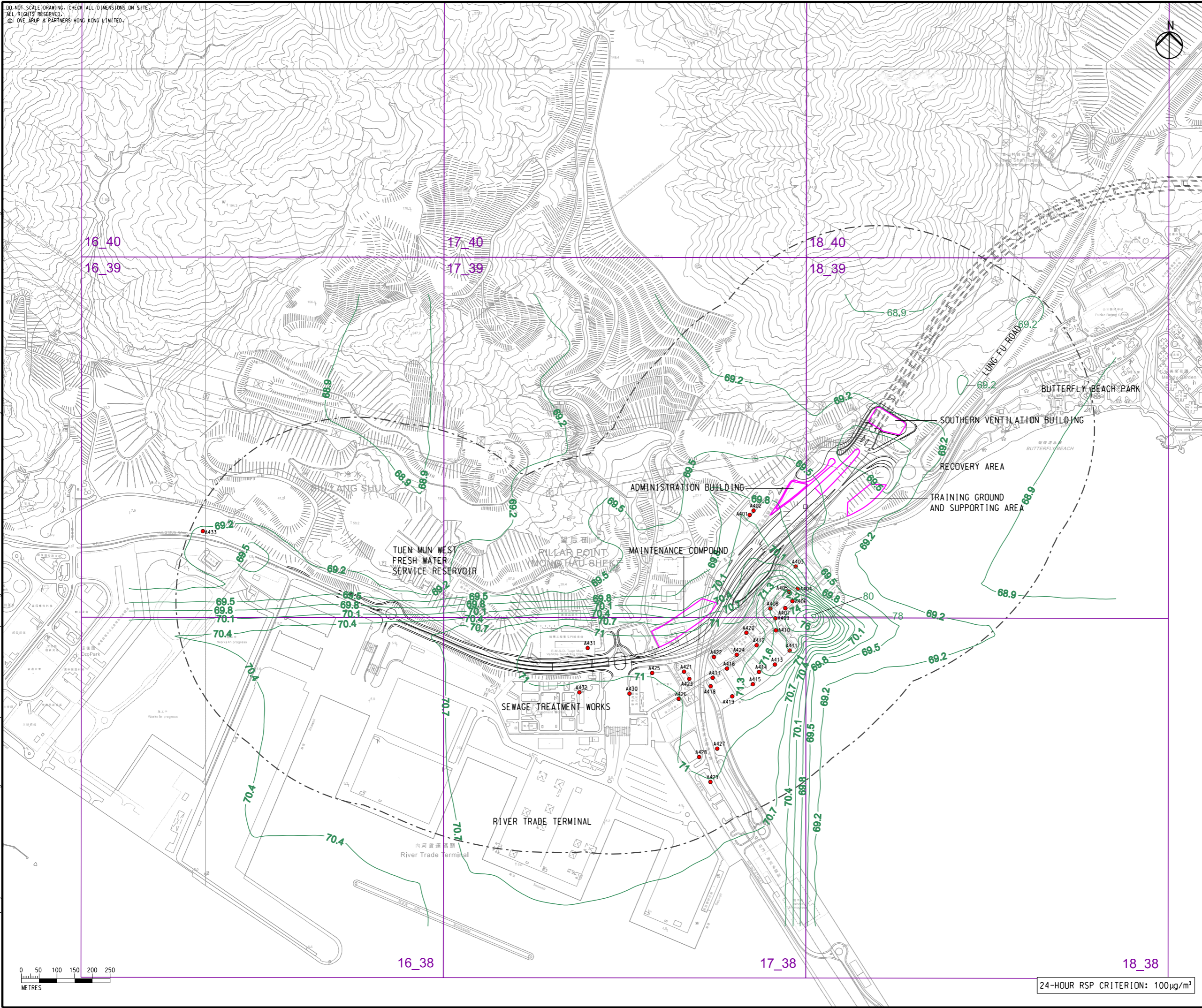
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24-HOUR RSP CRITERION: $100 \mu\text{g}/\text{m}^3$

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 Filename : G:\env\project\287168-25\13 Drawing Deliverables\report\REP-XXX EIA Report\Figure 3.8b - Contours of Cumulative 10th highest 24-hour RSP (Year 2048) in Pillar Point.dgn



- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 - 500M OPERATIONAL ASSESSMENT AREA
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - RSP CONTOUR, $\mu\text{g}/\text{m}^3$

C	THIRD ISSUE	GL	08/23
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A	FIRST ISSUE	GL	06/23
Rev	Description	By	Date

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Project title
 Agreement No. CE 65/2021(HY)
 Tuén Mun Bypass - Investigation

Drawing title
CONTOURS OF CUMULATIVE 10th HIGHEST 24-HOUR RSP CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN PILLAR POINT

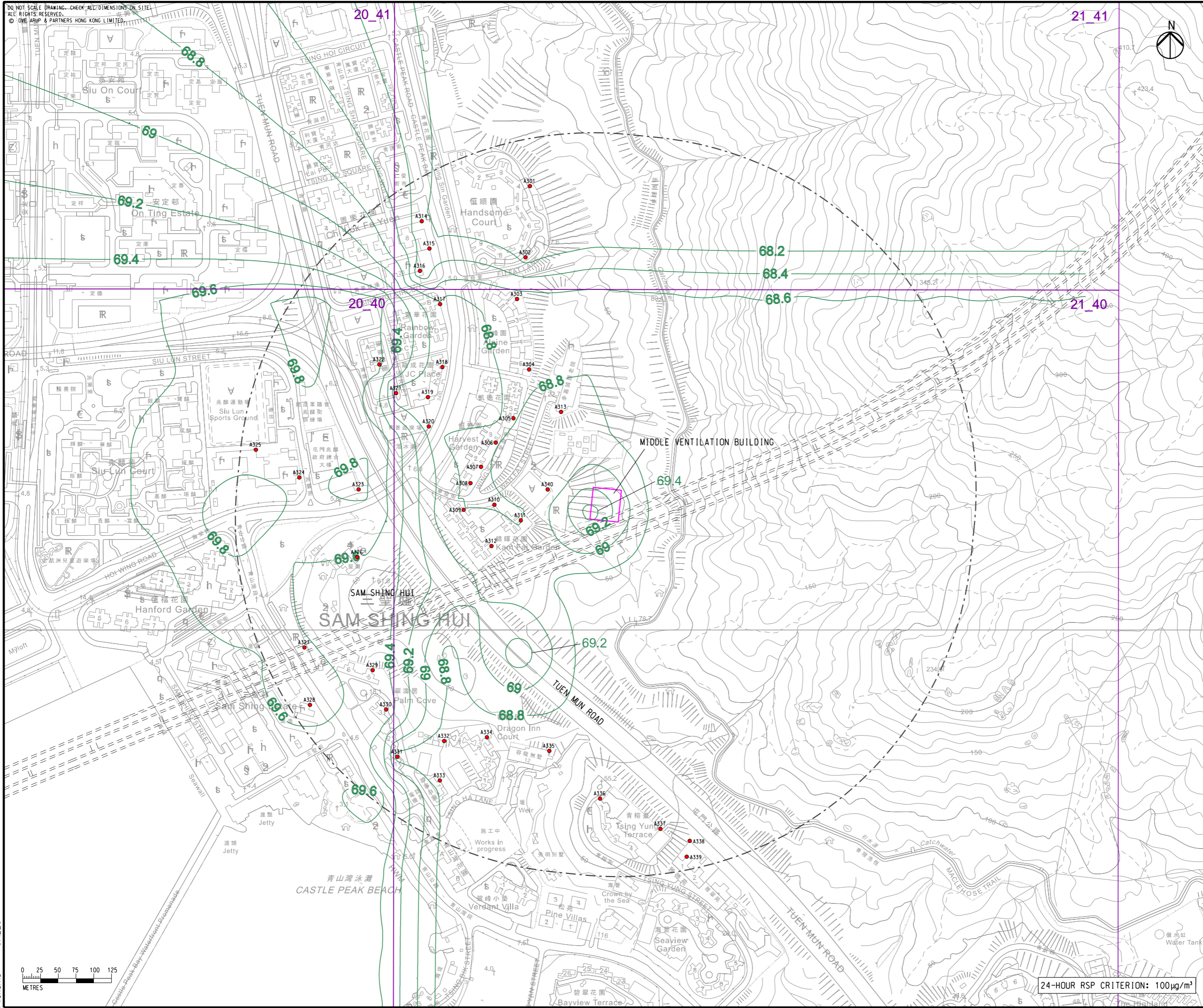
Drawing no.		Rev.	
FIGURE 3.8b		C	
Drawn	Date	Checked	Approved
GL	08/23	TL	FC
Scale	Status		PRELIMINARY
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24-HOUR RSP CRITERION: $100 \mu\text{g}/\text{m}^3$

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- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 - 500M OPERATIONAL ASSESSMENT AREA
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 100- RSP CONTOUR, µg/m³

C	THIRD ISSUE	GL	08/23
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Rev	Description	By	Date

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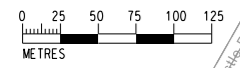
Drawing title
CONTOURS OF CUMULATIVE 10th HIGHEST 24-HOUR RSP CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN SAM SHING

Drawing no. FIGURE 3.8c		Rev. C	
Drawn GL	Date 08/23	Checked TL	Approved FC
Scale 1:5000 @ A3		Status PRELIMINARY	

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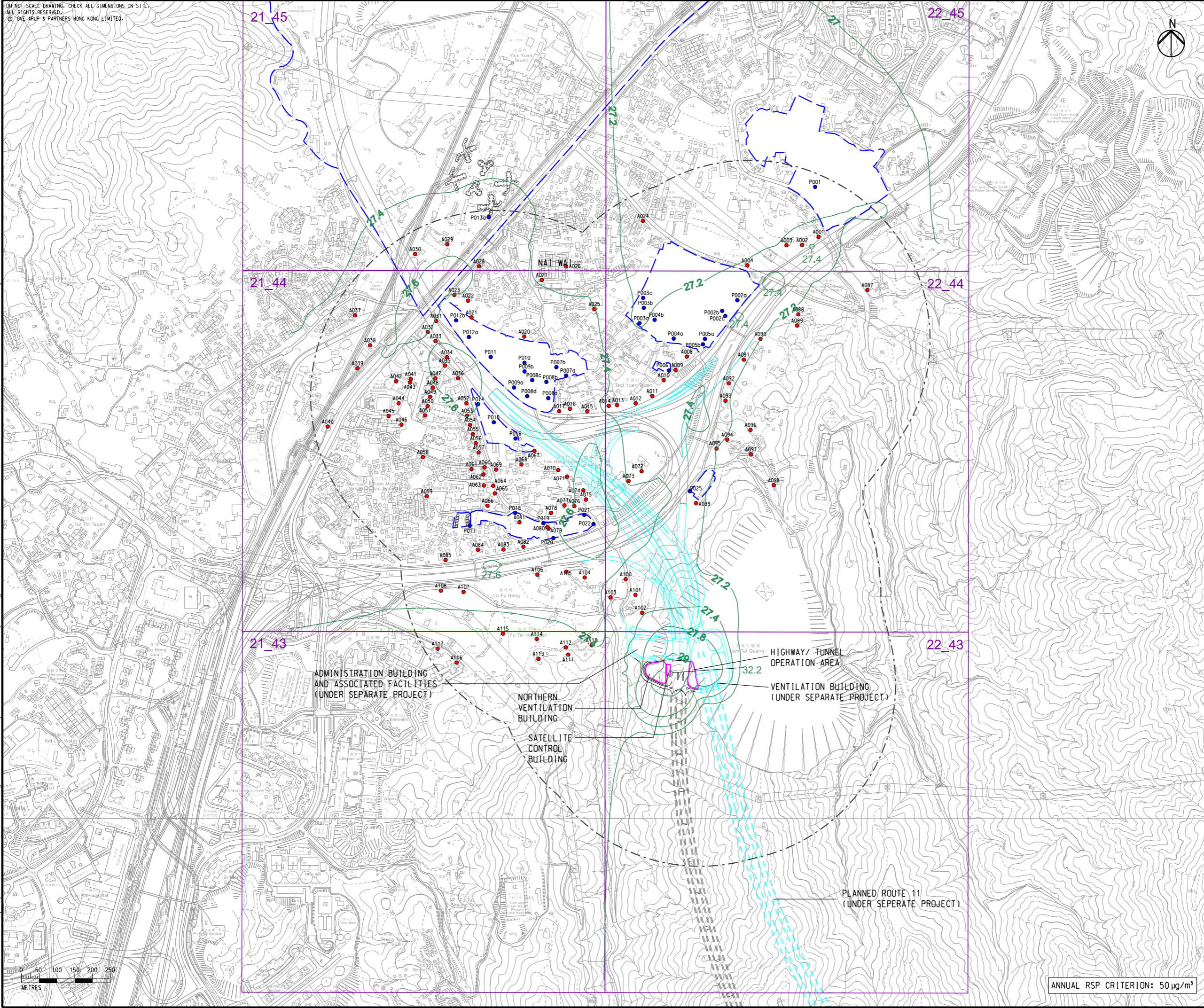
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24-HOUR RSP CRITERION: 100µg/m³

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- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
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 - PLANNED ROUTE 11 (UNDER SEPERATE PROJECT)
 - COMMITTED/PLANNED DEVELOPMENTS
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - COMMITTED/PLANNED REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 50 RSP CONTOUR, $\mu\text{g}/\text{m}^3$

C	THIRD ISSUE	GL	08/23
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Project title
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Drawing title
CONTOURS OF CUMULATIVE ANNUAL RSP CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN LAM TEI








Drawing no. FIGURE 3.9a		Rev. C	
Drawn GL	Date 08/23	Checked TL	Approved FC
Scale 1:10000 @ A3		Status PRELIMINARY	

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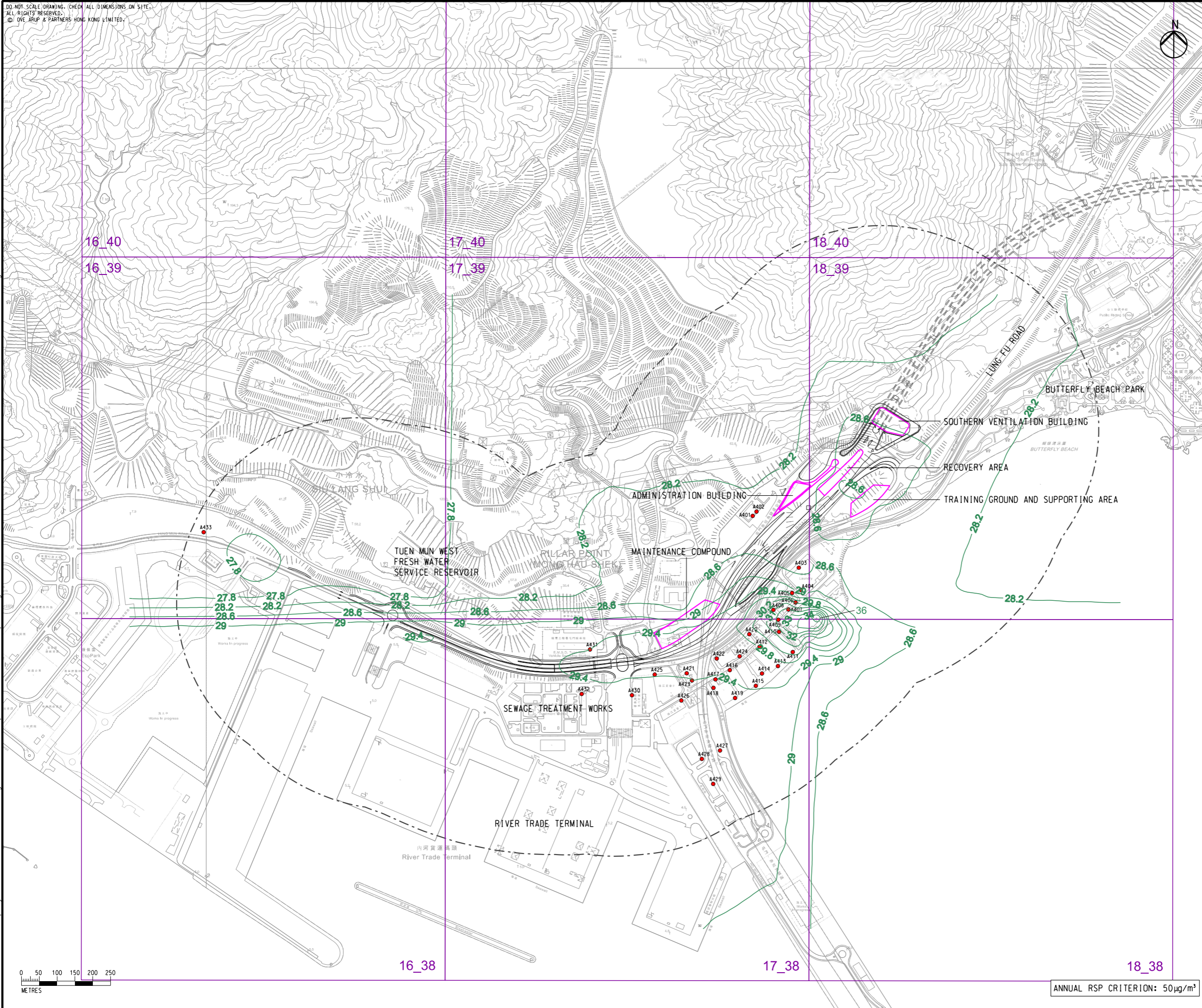
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ANNUAL RSP CRITERION: $50 \mu\text{g}/\text{m}^3$

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- LEGEND**
-  PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 -  PROPOSED TUNNEL
 -  HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 -  500M OPERATIONAL ASSESSMENT AREA
 -  CONCERNED PATH GRID
 -  EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 -  - 50 - RSP CONTOUR, $\mu\text{g}/\text{m}^3$

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Rev	Description	By	Date
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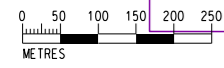
Drawing title
CONTOURS OF CUMULATIVE ANNUAL RSP CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN PILLAR POINT

Drawing no.		Rev.	
FIGURE 3.9b		B	
Drawn	Date	Checked	Approved
GL	08/23	TL	FC
Scale	Status		PRELIMINARY
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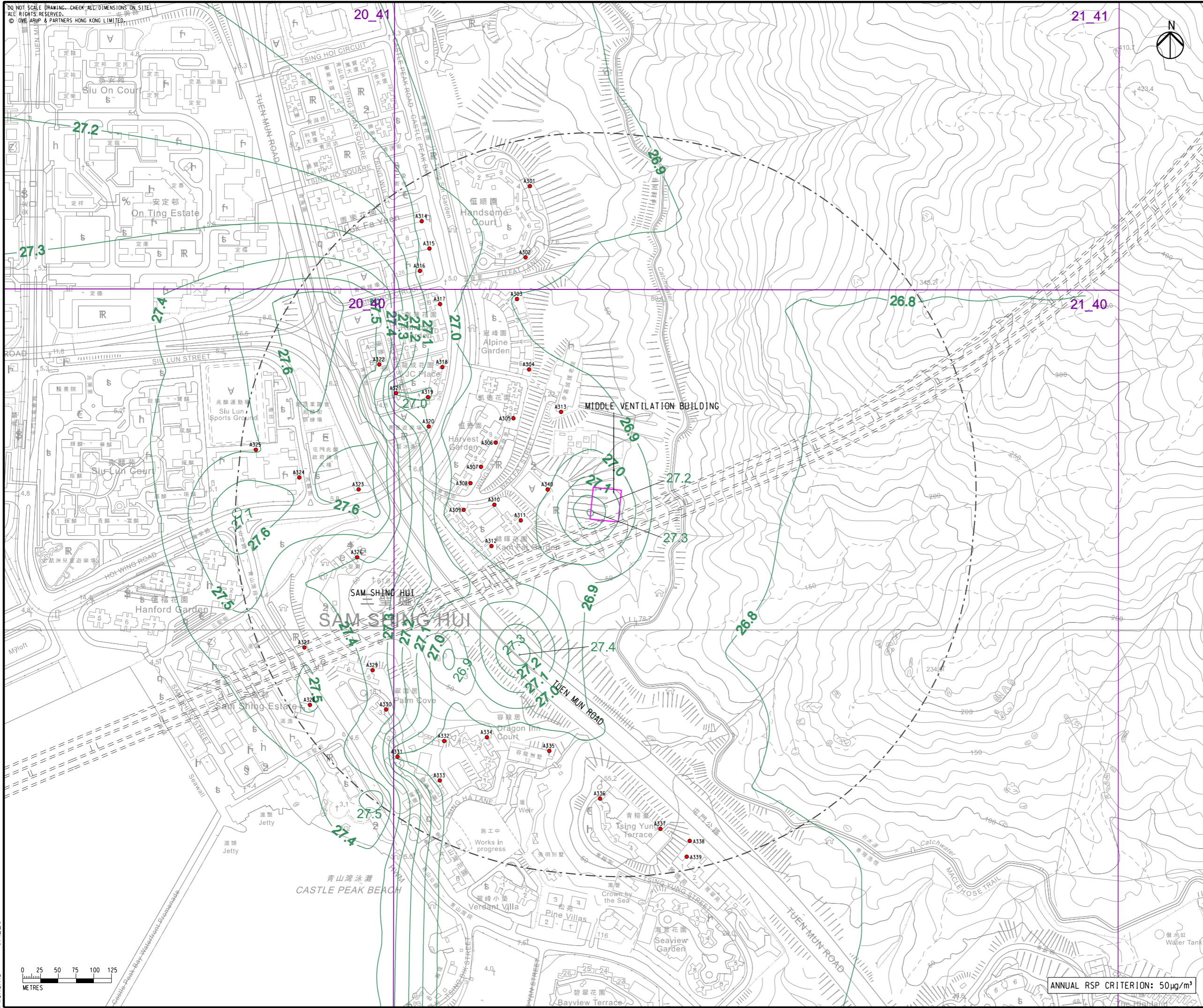


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ANNUAL RSP CRITERION: $50 \mu\text{g}/\text{m}^3$

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- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 - 500M OPERATIONAL ASSESSMENT AREA
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - RSP CONTOUR, $\mu\text{g}/\text{m}^3$

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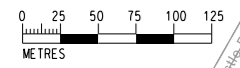
Project title
Agreement No. CE 65/2021(HY)
Tuen Mun Bypass - Investigation

Drawing title
CONTOURS OF CUMULATIVE ANNUAL RSP CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN SAM SHING

Drawing no. FIGURE 3.9c		Rev. C	
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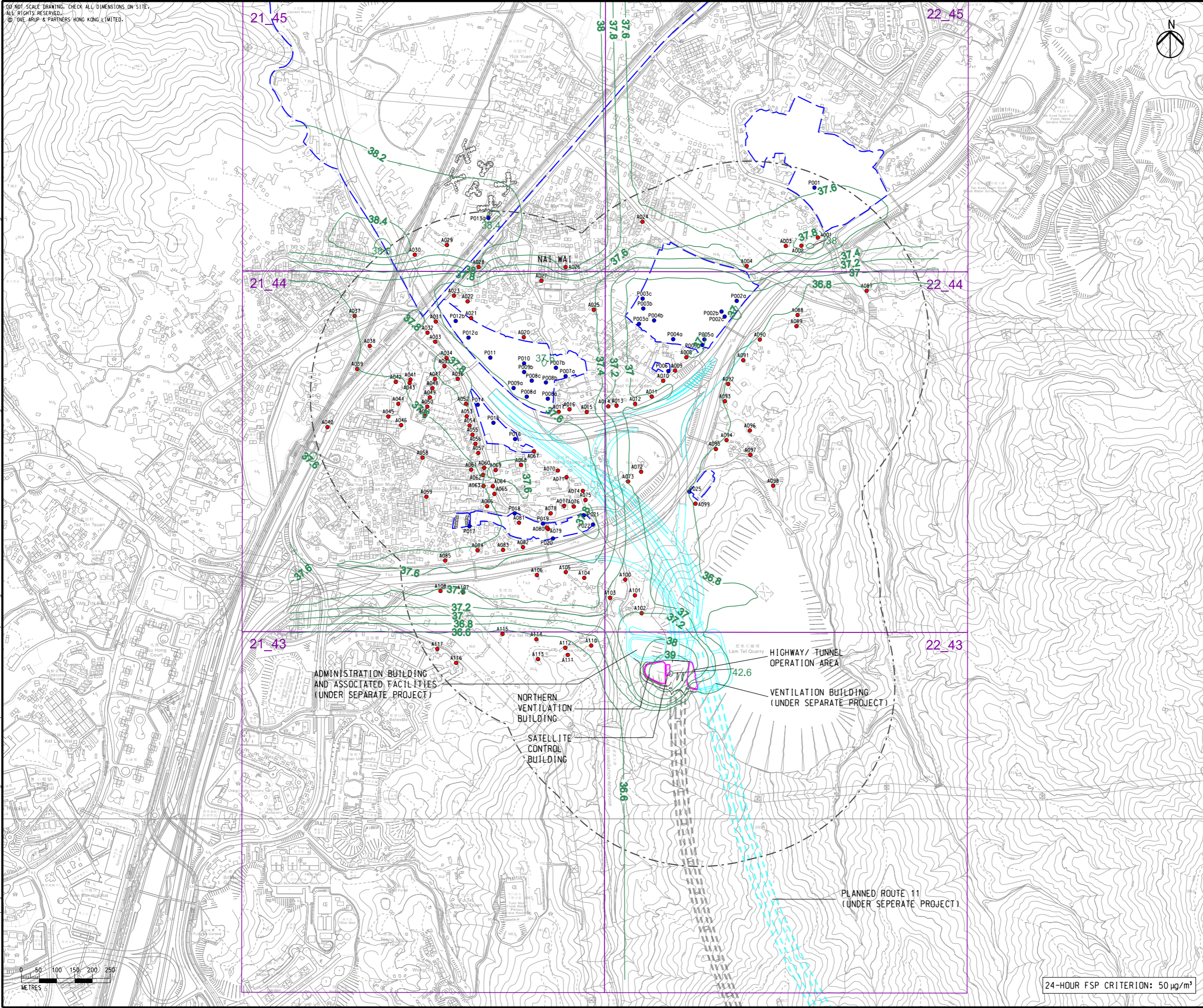
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- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
 - HIGHWAY/ TUNNEL OPERATION AND MAINTENANCE FACILITIES
 - 500M OPERATIONAL ASSESSMENT AREA
 - PLANNED ROUTE 11 (UNDER SEPERATE PROJECT)
 - COMMITTED/PLANNED DEVELOPMENTS
 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - COMMITTED/PLANNED REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 50 — FSP CONTOUR, µg/m³

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Project title
Agreement No. CE 65/2021(HY)
Tuen Mun Bypass - Investigation

Drawing title
CONTOURS OF CUMULATIVE 19th HIGHEST 24-HOUR FSP CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN LAM TEI

Drawing no. FIGURE 3.10a		Rev. C	
Drawn GL	Date 08/23	Checked TL	Approved FC
Scale 1:10000 @ A3		Status PRELIMINARY	

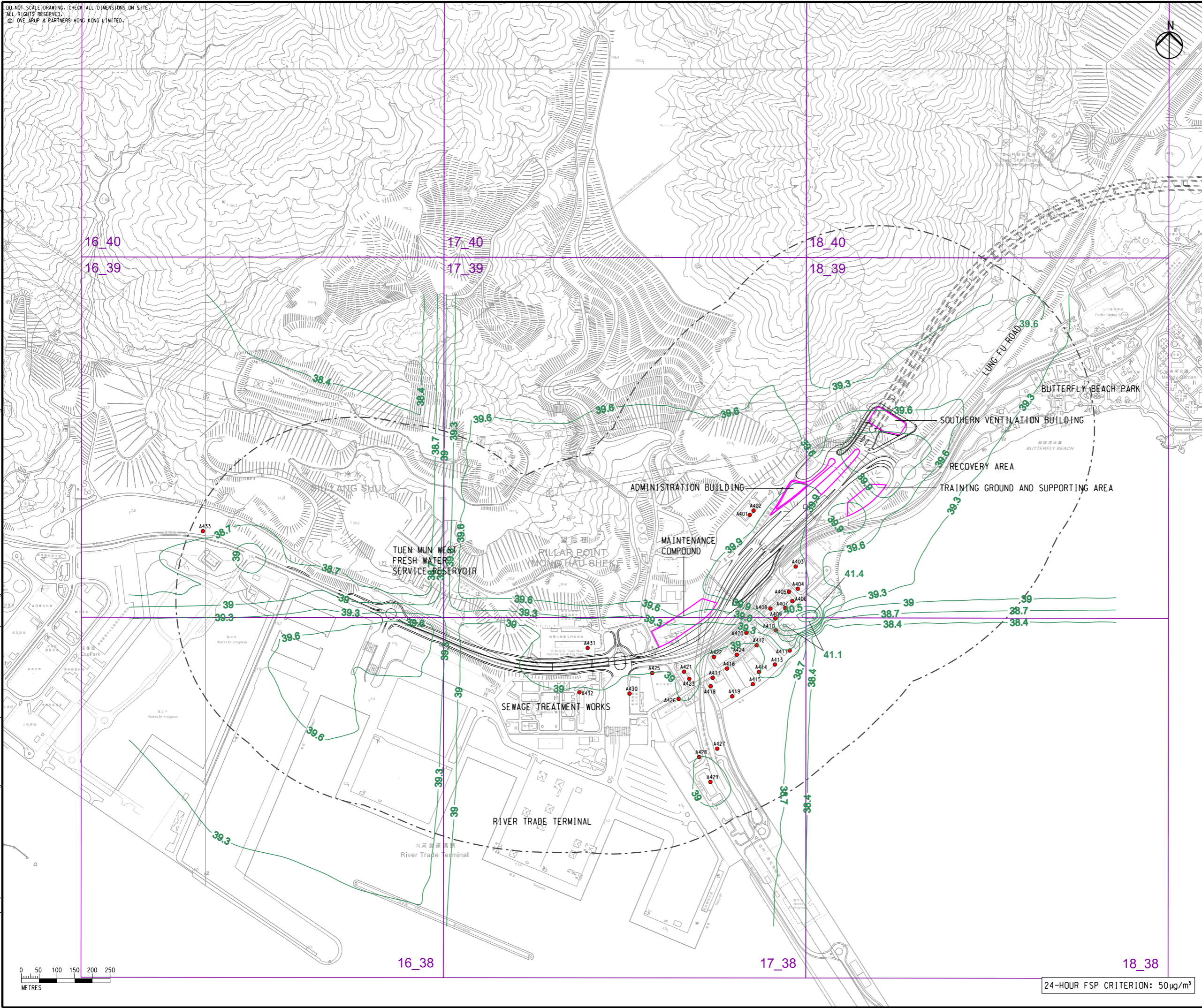
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24-HOUR FSP CRITERION: 50 µg/m³

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 Filename : G:\env\project\287168-25\13 Drawing Deliverables\report\REP-XXX EIA Report\Figure 3.10b - Contours of Cumulative 19th highest 24-hour FSP (Year 2048) in Pillar Point.dgn



- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
 - PROPOSED TUNNEL
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 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 50 FSP CONTOUR, $\mu\text{g}/\text{m}^3$

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CONTOURS OF CUMULATIVE 19th HIGHEST 24-HOUR FSP CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN PILLAR POINT

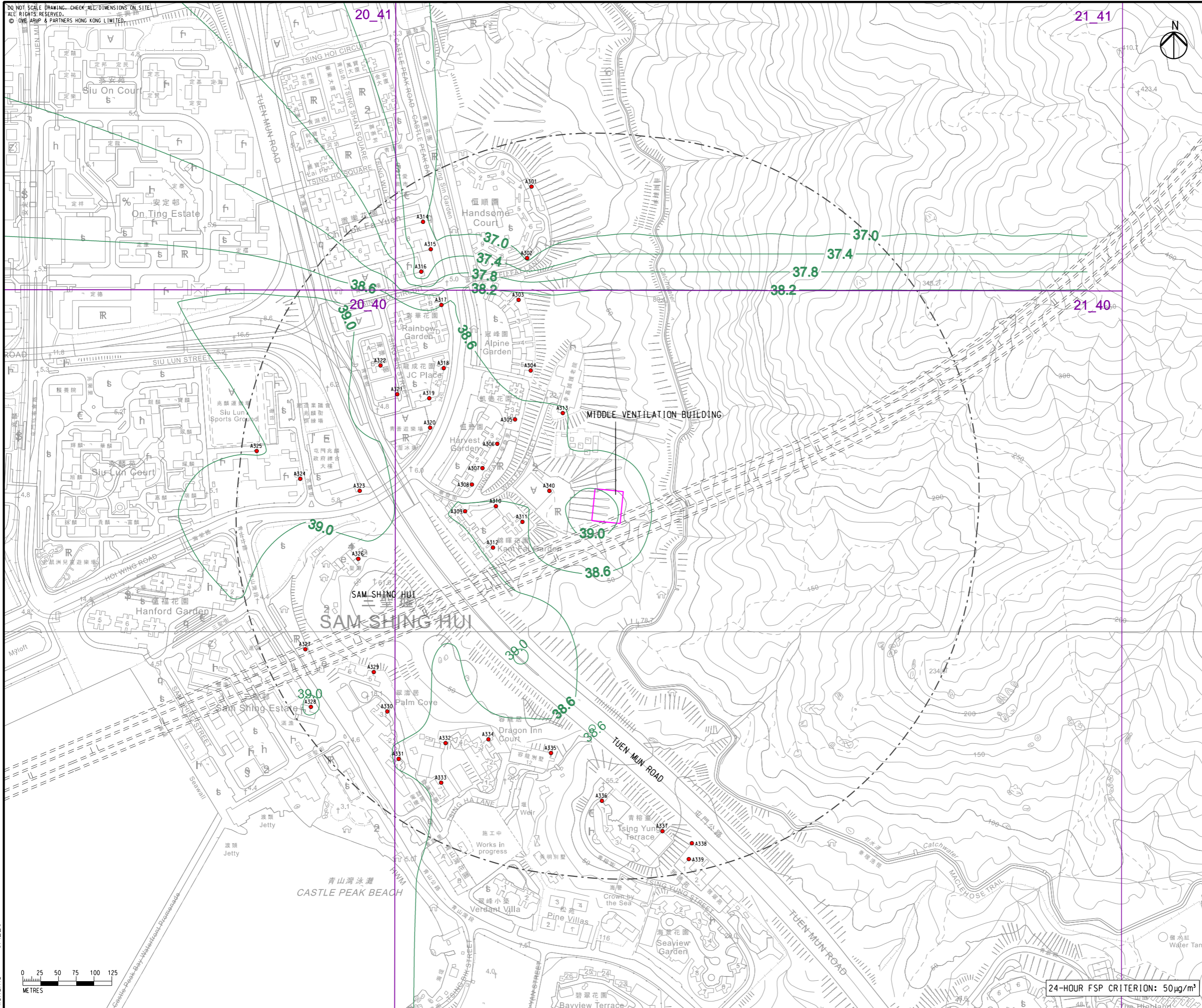
Drawing no.		Rev.	
FIGURE 3.10b		C	
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24-HOUR FSP CRITERION: $50 \mu\text{g}/\text{m}^3$

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 - CONCERNED PATH GRID
 - EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 50 FSP CONTOUR, $\mu\text{g}/\text{m}^3$



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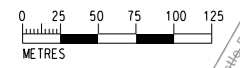
Drawing title
CONTOURS OF CUMULATIVE 19th HIGHEST 24-HOUR FSP CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN SAM SHING

Drawing no. FIGURE 3.10c		Rev. C	
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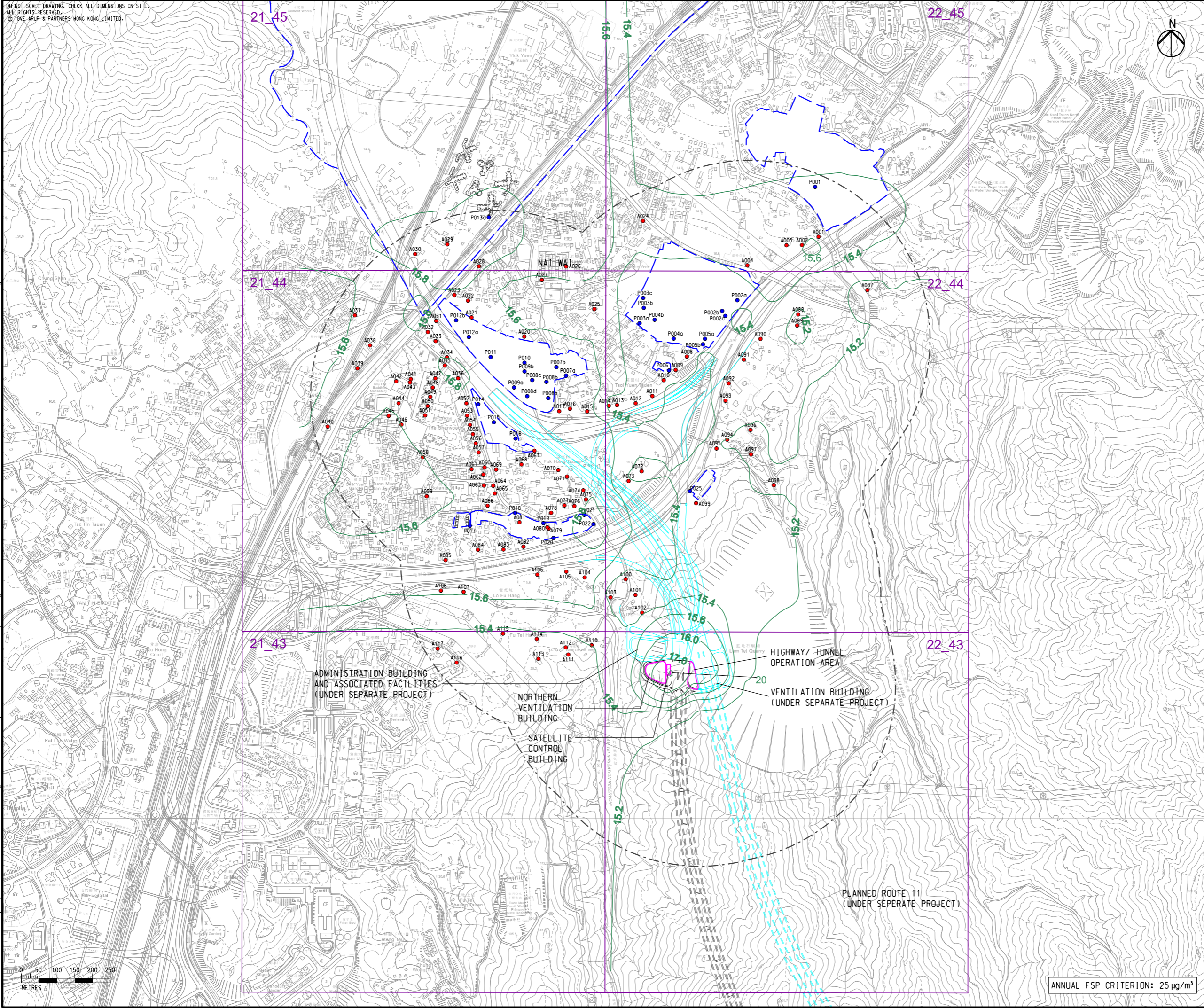
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- LEGEND**
- PORTAL AREA AND AT-GRADED ROAD/ ELEVATED ROAD
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 - COMMITTED/PLANNED REPRESENTATIVE AIR SENSITIVE RECEIVERS
 - 25 FSP CONTOUR, µg/m³

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






Drawing no. FIGURE 3.11a		Rev. C	
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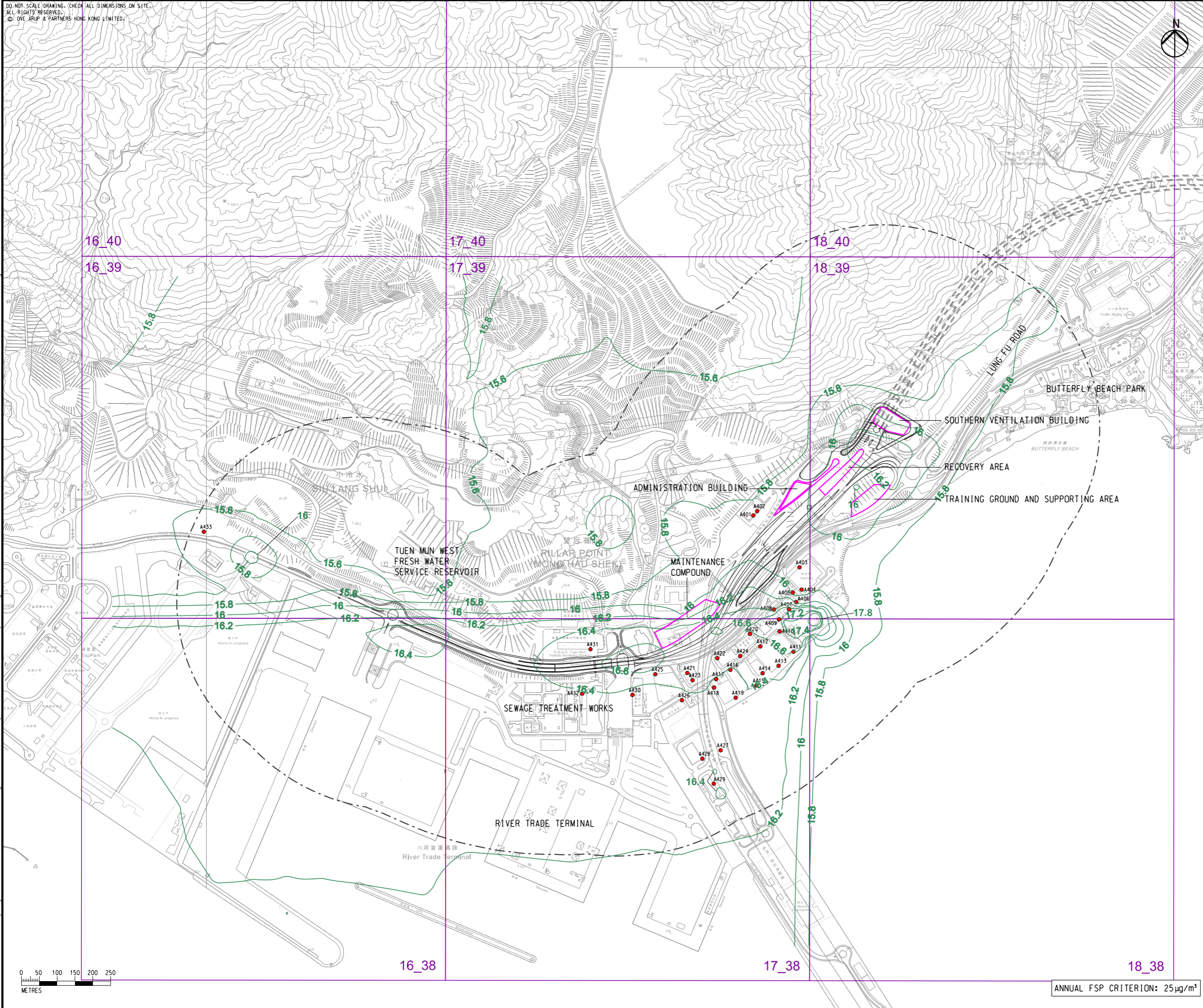
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ANNUAL FSP CRITERION: 25 µg/m³

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 -  CONCERNED PATH GRID
 -  EXISTING REPRESENTATIVE AIR SENSITIVE RECEIVERS
 -  FSP CONTOUR, $\mu\text{g}/\text{m}^3$

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CONTOURS OF CUMULATIVE ANNUAL FSP CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN PILLAR POINT

Drawing no.		Rev.	
FIGURE 3.11b		B	
Drawn	Date	Checked	Approved
GL	08/23	TL	FC
Scale	Status		PRELIMINARY
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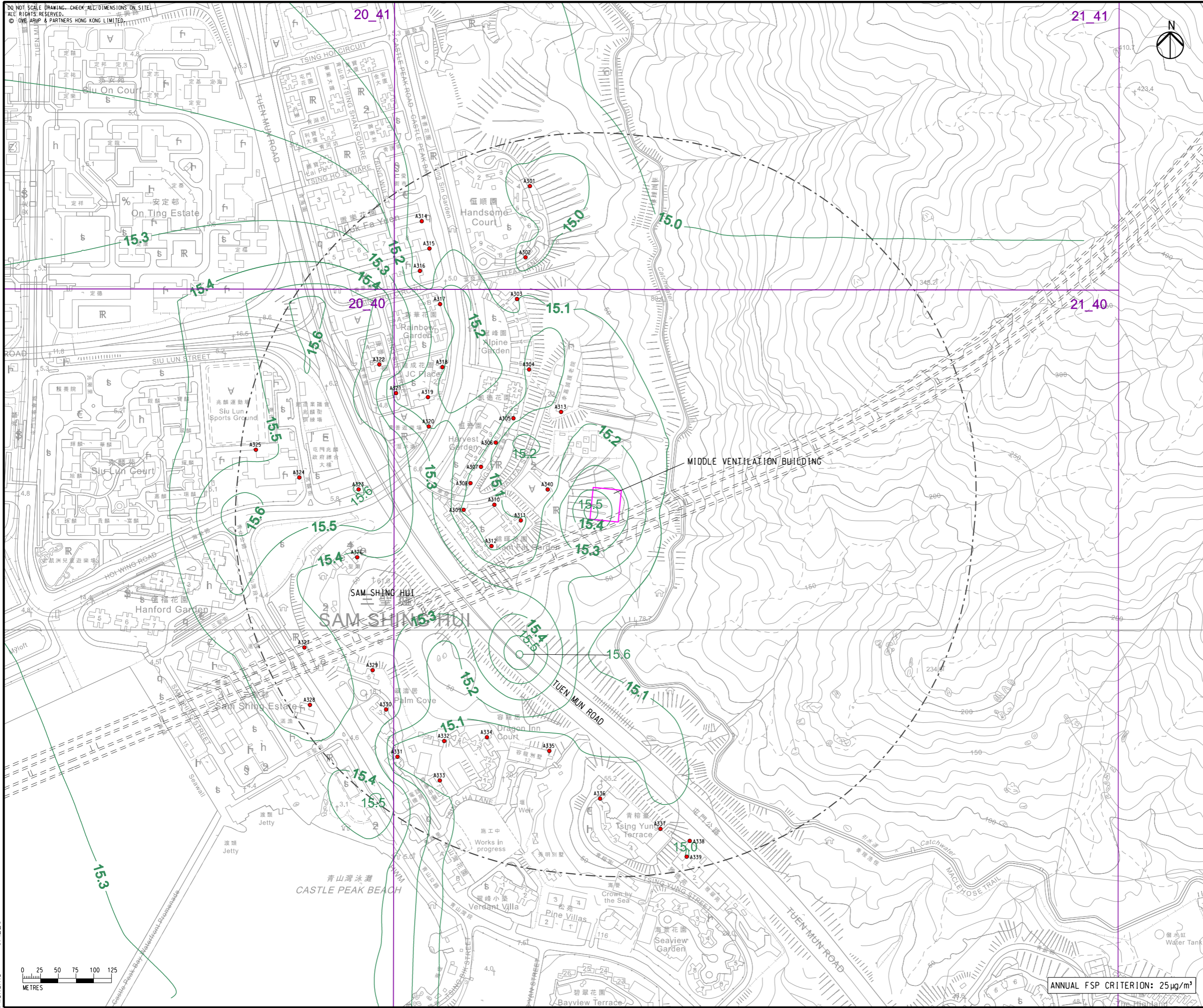
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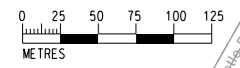
Project title
Agreement No. CE 65/2021(HY)
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Drawing title
CONTOURS OF CUMULATIVE ANNUAL FSP CONCENTRATION AT 1.5m ABOVE GROUND (YEAR 2048) IN SAM SHING

Drawing no. FIGURE 3.11c		Rev. C	
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