

From: [Jacob Szeto](#)
To: [Lawrence Kan](#)
Cc: [Tony Yip KY](#)
Subject: FW: Agreement No. CE 35/2012 (CE) Planning and Engineering Study for Housing Sites in Yuen Long South – Investigation: Technical Note on Traffic Forecast for Environmental Impact Assessment
Date: Tuesday, July 11, 2017 10:49:59 AM

FYI

From: Derek Man Yu AU [mailto:myau@td.gov.hk]
Sent: Tuesday, July 11, 2017 8:50 AM
To: Tony Yip KY <tony-ky.yip@arup.com>
Cc: bkchow@td.gov.hk; epklee@pland.gov.hk; fyli@cedd.gov.hk; Jacob Szeto <jacob.szeto@arup.com>; kcwfung@pland.gov.hk; khyam@cedd.gov.hk; Peter Chan LY <peter-ly.chan@arup.com>; Raman Lee <raman.lee@arup.com>; wlchui@cedd.gov.hk
Subject: RE: Agreement No. CE 35/2012 (CE) Planning and Engineering Study for Housing Sites in Yuen Long South – Investigation: Technical Note on Traffic Forecast for Environmental Impact Assessment

Dear Tony,

I have no further comment on your revised Para. 2.7 of the supplementary note.

Thank you for attention.

Derek Au
for Commissioner for Transport
Tel : 2399 2565

From: Tony Yip KY <tony-ky.yip@arup.com>
To: Derek Man Yu AU <myau@td.gov.hk>;
Cc: "bkchow@td.gov.hk" <bkchow@td.gov.hk>, "epklee@pland.gov.hk" <epklee@pland.gov.hk>, "fyli@cedd.gov.hk" <fyli@cedd.gov.hk>, Jacob Szeto <jacob.szeto@arup.com>, "kcwfung@pland.gov.hk" <kcwfung@pland.gov.hk>, "khyam@cedd.gov.hk" <khyam@cedd.gov.hk>, Peter Chan LY <peter-ly.chan@arup.com>, Raman Lee <raman.lee@arup.com>, "wlchui@cedd.gov.hk" <wlchui@cedd.gov.hk>
Date: 10/07/2017 19:29
Subject: RE: Agreement No. CE 35/2012 (CE) Planning and Engineering Study for Housing Sites in Yuen Long South – Investigation: Technical Note on Traffic Forecast for Environmental Impact Assessment

Dear Derek,

Thank you for your prompt reply.
The concerned para 2.7 is revised as follow for your further consideration:

For example, Hung Tin Road Flyover is defined as district distributor (DD) in ATC. According to TPDM, DD should contain road junctions along the way and the speed-flow curve has incorporated the average junction delay time to reflect this. In this case, the speed-

flow curve of DD may not be applicable to Hung Tin Road Flyover as it is a free-flow highway under 70kph without junctions along. It is assumed that its speed-flow behaviour will be similar to a rural road. The travel speed along Hung Tin Road Flyover would therefore be calculated based on the speed-flow characteristics of rural road.

Please let us know if you have further comment on the revised paragraph above. If no, we will issue the revised YLS-supplementary noted for your record.

If you have any question, please contact Mr. Raman Lee at 2268-3528.

Much thanks !

Regards,
Tony

Tony YIP

Arup

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f +852 2779 8428
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From: Derek Man Yu AU [mailto:myau@td.gov.hk]
Sent: Monday, July 10, 2017 11:00 AM
To: Tony Yip KY
Cc: bkchow@td.gov.hk; epklee@pland.gov.hk; fyli@cedd.gov.hk; Jacob Szeto; kcwfung@pland.gov.hk; khyam@cedd.gov.hk; Peter Chan LY; Raman Lee; wlchui@cedd.gov.hk
Subject: RE: Agreement No. CE 35/2012 (CE) Planning and Engineering Study for Housing Sites in Yuen Long South – Investigation: Technical Note on Traffic Forecast for Environmental Impact Assessment

Dear Tony,

I have one comment on Para. 2.7 that please re-visit the last sentence "The travel speed along Hung Tin Road Flyover would therefore be calculated based on the speed-flow curve of rural road." as the speed limit of Hung Tin Road Flyover is 70 km/hr while the speed limit of rural road is 50 km/hr. Apart from this, I have no comment on the Supplementary Note from traffic engineering viewpoint.

Derek M Y Au
for Commissioner for Transport
Tel : 2399 2565

From: Tony Yip KY <tony-ky.yip@arup.com>

To: Derek Man Yu AU <myau@td.gov.hk>,
Cc: "bkchow@td.gov.hk" <bkchow@td.gov.hk>, "epklee@pland.gov.hk" <epklee@pland.gov.hk>, "fyli@cedd.gov.hk" <fyli@cedd.gov.hk>, Jacob Szeto <jacob.szeto@arup.com>, "kcwfung@pland.gov.hk" <kcwfung@pland.gov.hk>, "khyam@cedd.gov.hk" <khyam@cedd.gov.hk>, Peter Chan LY <peter-ly.chan@arup.com>, Raman Lee <raman.lee@arup.com>, "wlchui@cedd.gov.hk" <wlchui@cedd.gov.hk>
Date: 04/07/2017 17:58
Subject: RE: Agreement No. CE 35/2012 (CE) Planning and Engineering Study for Housing Sites in Yuen Long South – Investigation: Technical Note on Traffic Forecast for Environmental Impact Assessment

Dear Derek,

Thank you for no comment to the Technical Note.
Further to the submission of Technical Note, here please find the Supplementary Note regarding the approach of travel speed calculation and the vehicle breakdown for the input to the EIA.

Due to the tight EIA submission schedule, grateful if you can reply on or before 10 July 2017 should you have any further comments to the Supplementary Note. A nil return is required for the record purpose.

Thank you very much.

Regards,
Tony

From: Derek Man Yu AU [<mailto:myau@td.gov.hk>]
Sent: Monday, June 19, 2017 2:45 PM
To: Tony Yip KY
Cc: bkchow@td.gov.hk; epklee@pland.gov.hk; fyli@cedd.gov.hk; Jacob Szeto; kcwfung@pland.gov.hk; khyam@cedd.gov.hk; Peter Chan LY; Raman Lee; wlchui@cedd.gov.hk
Subject: RE: Agreement No. CE 35/2012 (CE) Planning and Engineering Study for Housing Sites in Yuen Long South – Investigation: Technical Note on Traffic Forecast for Environmental Impact Assessment

Dear Tony,

I have no further comment on the R-to-C table and the revised Technical Note from traffic engineering viewpoint. Thank you for attention.

Derek M Y Au
for Commissioner for Transport
Tel : 2399 2565

From: Tony Yip KY <tony-ky.yip@arup.com>
To: Derek Man Yu AU <myau@td.gov.hk>,
Cc: "kcwfung@pland.gov.hk" <kcwfung@pland.gov.hk>, "epklee@pland.gov.hk" <epklee@pland.gov.hk>, "wlchui@cedd.gov.hk" <wlchui@cedd.gov.hk>, "khyam@cedd.gov.hk" <khyam@cedd.gov.hk>, Peter Chan LY <peter-ly.chan@arup.com>, Raman Lee

<raman.lee@arup.com>, Jacob Szeto <jacob.szeto@arup.com>, "kmwong@td.gov.hk" <kmwong@td.gov.hk>, "bkchow@td.gov.hk" <bkchow@td.gov.hk>, "fyli@cedd.gov.hk" <fyli@cedd.gov.hk>
Date: 05/06/2017 12:05
Subject: RE: Agreement No. CE 35/2012 (CE) Planning and Engineering Study for Housing Sites in Yuen Long South – Investigation: Technical Note on Traffic Forecast for Environmental Impact Assessment

Dear Derek,

Thank you for your comment dated 23 May 2017.
Attached please find the revised Technical Note and R-t-C table for your further consideration.

Due to the tight EIA submission schedule, grateful if you can reply on or before **16 June 2017** should you have any further comments. A nil return is required for the record purpose.

Thank you very much.

Regards,
Tony

From: Tony Yip KY
Sent: Thursday, May 11, 2017 7:38 PM
To: 'kmwong@td.gov.hk'; 'bkchow@td.gov.hk'
Cc: 'Derek Man Yu AU'; 'kcwfung@pland.gov.hk'; 'epklee@pland.gov.hk'; 'wlchui@cedd.gov.hk'; 'khyam@cedd.gov.hk'; Peter Chan LY; Raman Lee; Jacob Szeto
Subject: RE: Agreement No. CE 35/2012 (CE) Planning and Engineering Study for Housing Sites in Yuen Long South – Investigation: Technical Note on Traffic Forecast for Environmental Impact Assessment [Filed 11 May 2017 19:37]

Dear Mr Chow,

Since Mr Wong Kwong Mo has been posted out.
Here please find the Technical Note on Traffic Forecast for Environmental Impact Assessment for your comment and agreement.

The hardcopy will be delivered to you shortly.

Thanks and Regards,
Tony

From: Tony Yip KY
Sent: Thursday, May 11, 2017 7:08 PM
To: kmwong@td.gov.hk
Cc: Derek Man Yu AU; kcwfung@pland.gov.hk; 'epklee@pland.gov.hk'; wlchui@cedd.gov.hk; khyam@cedd.gov.hk; Peter Chan LY; Raman Lee; Jacob Szeto

Subject: Agreement No. CE 35/2012 (CE) Planning and Engineering Study for Housing Sites in Yuen Long South – Investigation: Technical Note on Traffic Forecast for Environmental Impact Assessment [Filed 11 May 2017 19:07]

Dear Sir

We are currently carrying out the Stage 3 Environmental Impact Assessment for the captioned project. To facilitate the assessment of road traffic noise and air quality, we are pleased to submit the Technical Note on Traffic Forecast for Environmental Impact Assessment for your comment and agreement.

Due to the large file size, you can download the figures via the link below:

<https://arup.sharefile.com/d-s528ac6b12cf417ab>

Two hardcopies will be delivered to your office shortly.

We would be grateful if you would send us your comment, if any, **on or before 24 May 2017**. A nil return is required for the record purpose.

Should you have any queries, please contact us at 3447 6321.

Best Regards,
Tony

Tony YIP

Arup

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f +852 2779 8428

www.arup.com

[attachment "Technical Note for Environmental Assessment (20170605)_full.pdf" deleted by Derek Man Yu AU/TD/HKSARG] [attachment "RtC_TN for EIA.pdf" deleted by Derek Man Yu AU/TD/HKSARG]

Electronic mail messages entering and leaving Arup business systems are scanned for viruses and acceptability of content

Peak Traffic Flow in Year 2027 (for Operational Air Quality Impact Assessment)

Flow ID	Road Type	Design Speed	MC	PC	Taxi	PrLB	PLB	LGV	MHG	NFB	FBSD	FBDD	Total
9104S	LD	50	0	6	9	3	0	4	0	4	0	0	27
914N,914S	LD	50	0	0	0	0	0	0	0	0	0	0	0
9318E,9318W	LD	50	0	0	0	0	0	0	0	0	0	0	0
9326E,9326W	LD	50	0	0	0	0	0	0	0	0	0	0	0
98,99	RR	50	16	558	68	27	24	124	65	16	0	0	898

Peak Traffic Flow in Year 2029 (for Operational Air Quality Impact Assessment)

Table with 13 columns: Flow ID, Road Type, Design Speed, MC, PC, Taxi, PrLB, PLB, LGV, MHGV, NFB, FBSD, FBDD, Total. It contains 295 rows of traffic flow data.

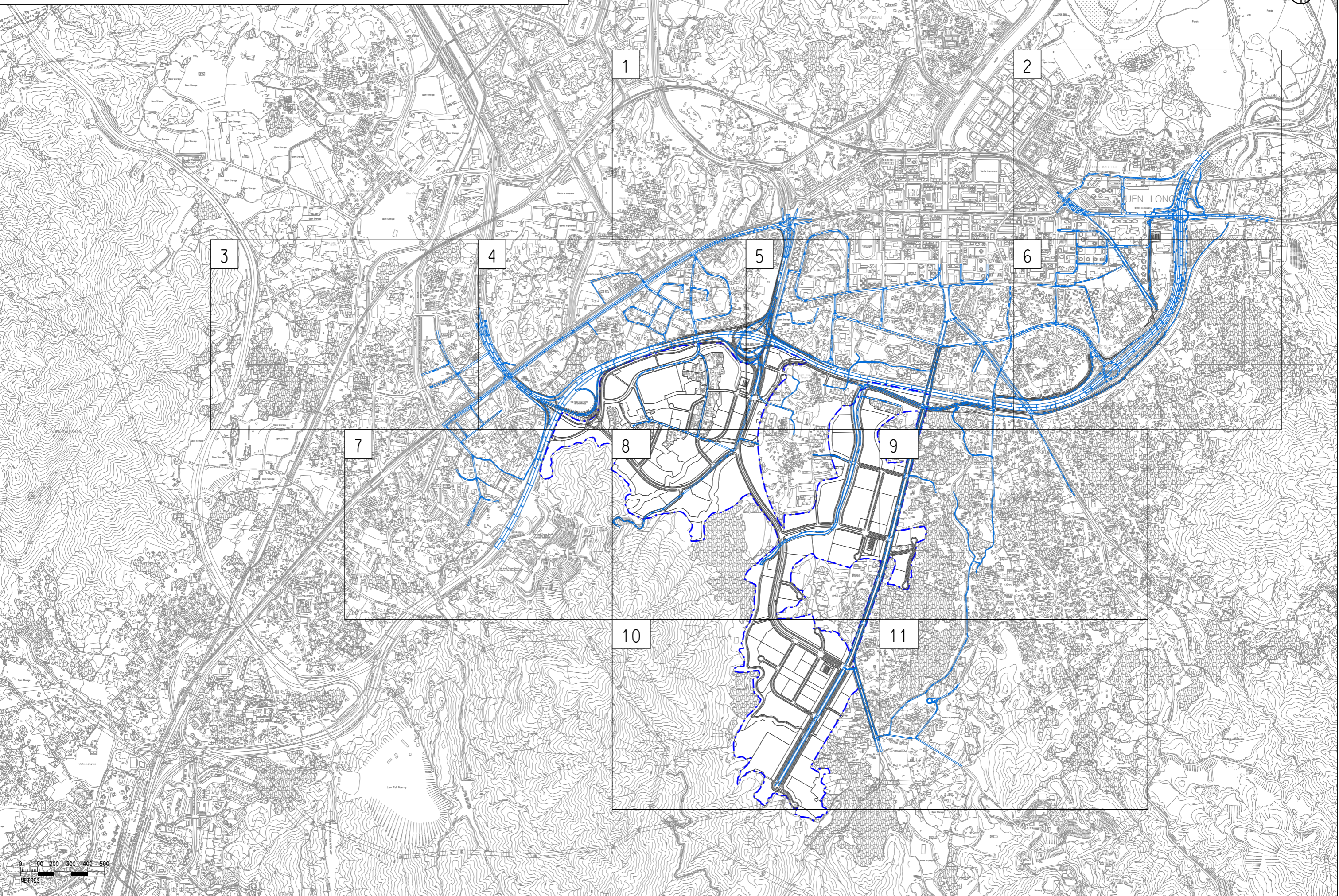
Table with 13 columns: Flow ID, Road Type, Design Speed, MC, PC, Taxi, PrLB, PLB, LGV, MHGV, NFB, FBSD, FBDD, Total. It contains 295 rows of traffic flow data.

Table with 13 columns: Flow ID, Road Type, Design Speed, MC, PC, Taxi, PrLB, PLB, LGV, MHGV, NFB, FBSD, FBDD, Total. It contains 295 rows of traffic flow data.

Peak Traffic Flow in Year 2029 (for Operational Air Quality Impact Assessment)

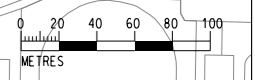
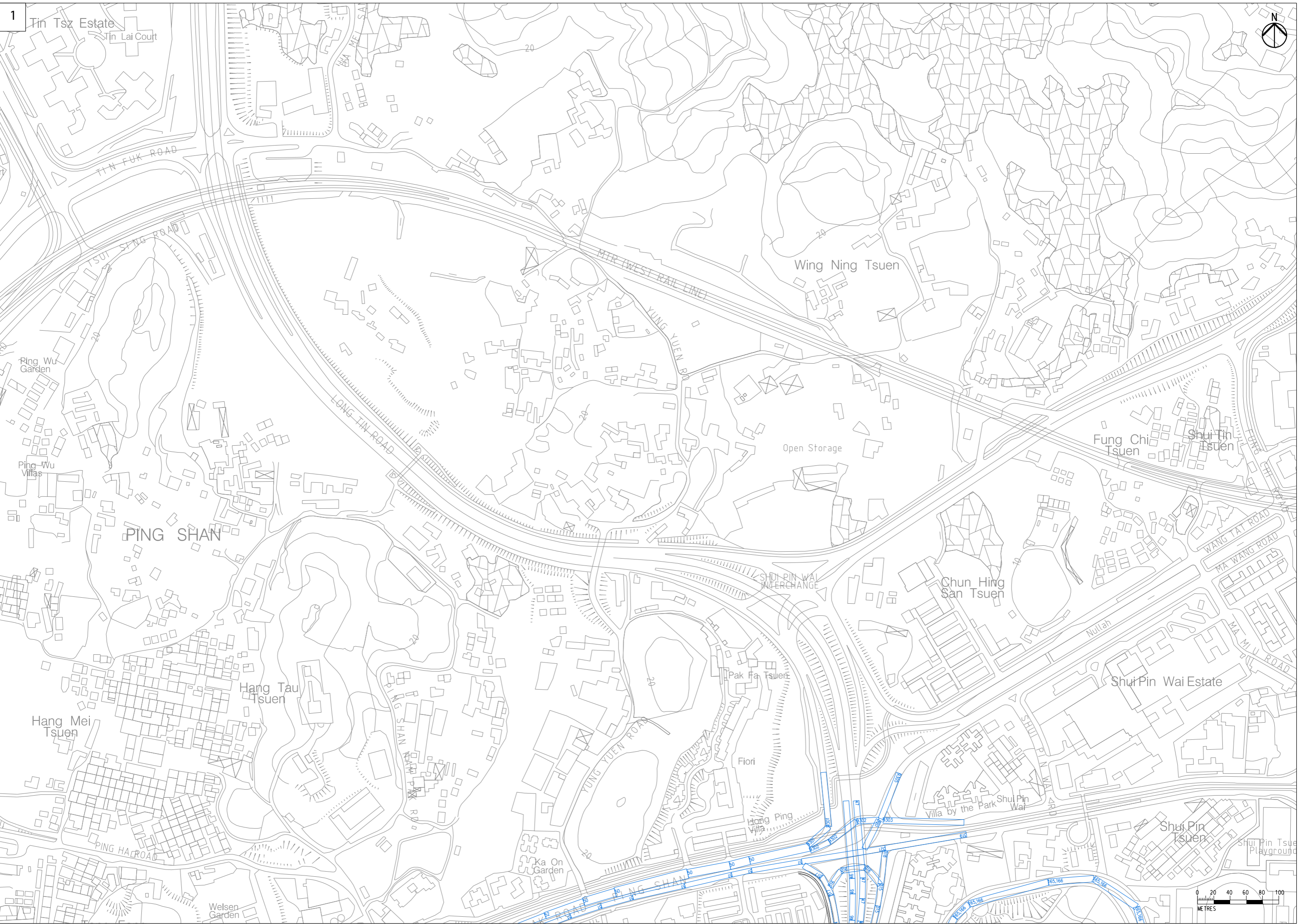
Flow ID	Road Type	Design Speed	MC	PC	Taxi	PrLB	PLB	LGV	MHG	NFB	FBSD	FBDD	Total
9104S	LD	50	1	19	23	7	0	11	1	10	0	0	72
914N,914S	LD	50	0	1	0	0	0	0	0	0	0	0	1
9318E,9318W	LD	50	0	0	0	0	0	0	0	0	0	0	0
9326E,9326W	LD	50	0	0	0	0	0	0	0	0	0	0	0
98,99	RR	50	14	490	61	27	24	105	63	15	0	0	799

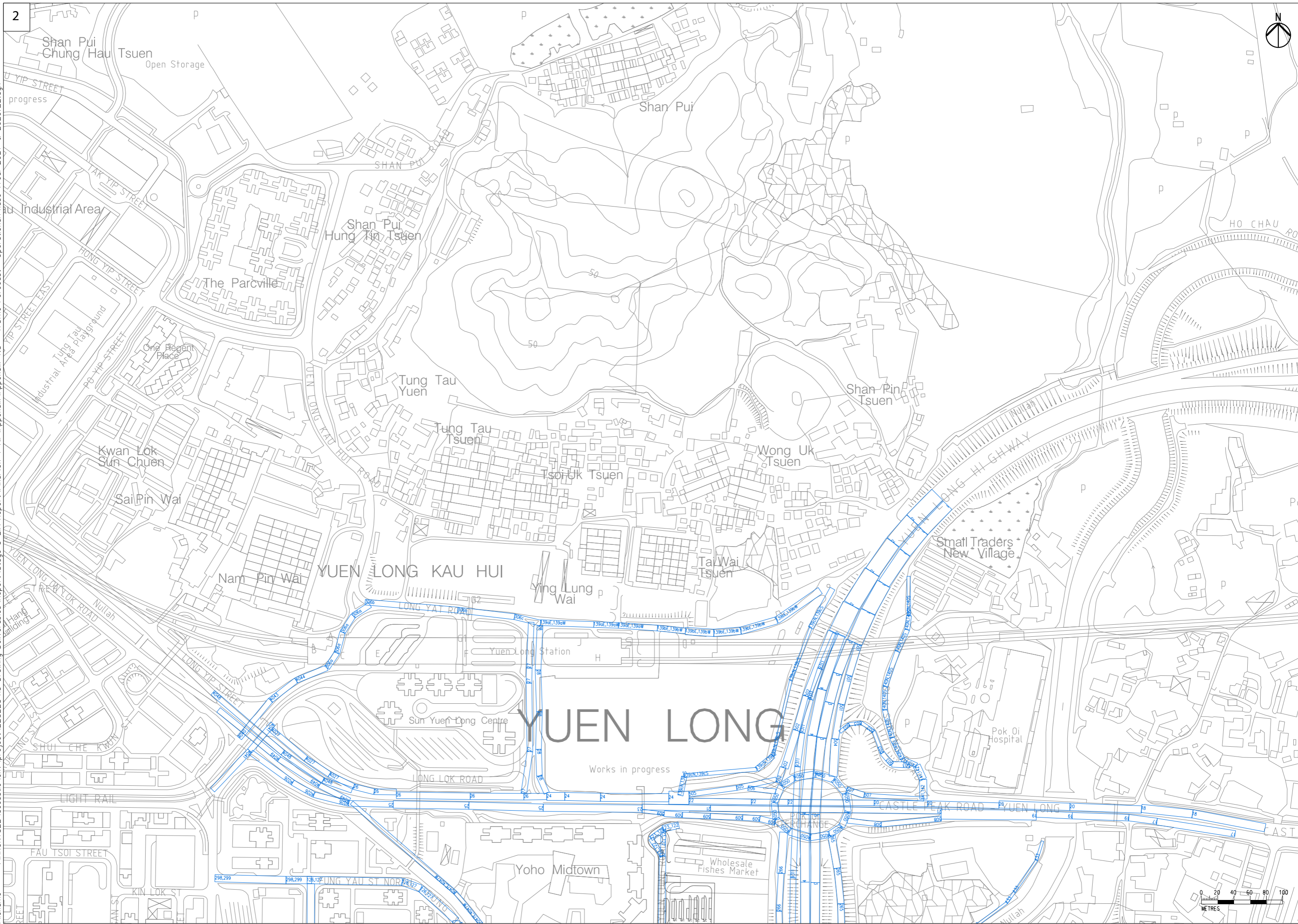
Appendix 4.8 Traffic Forecast - Operational Phase (Year 2027 & 2029)



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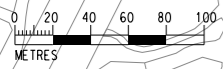
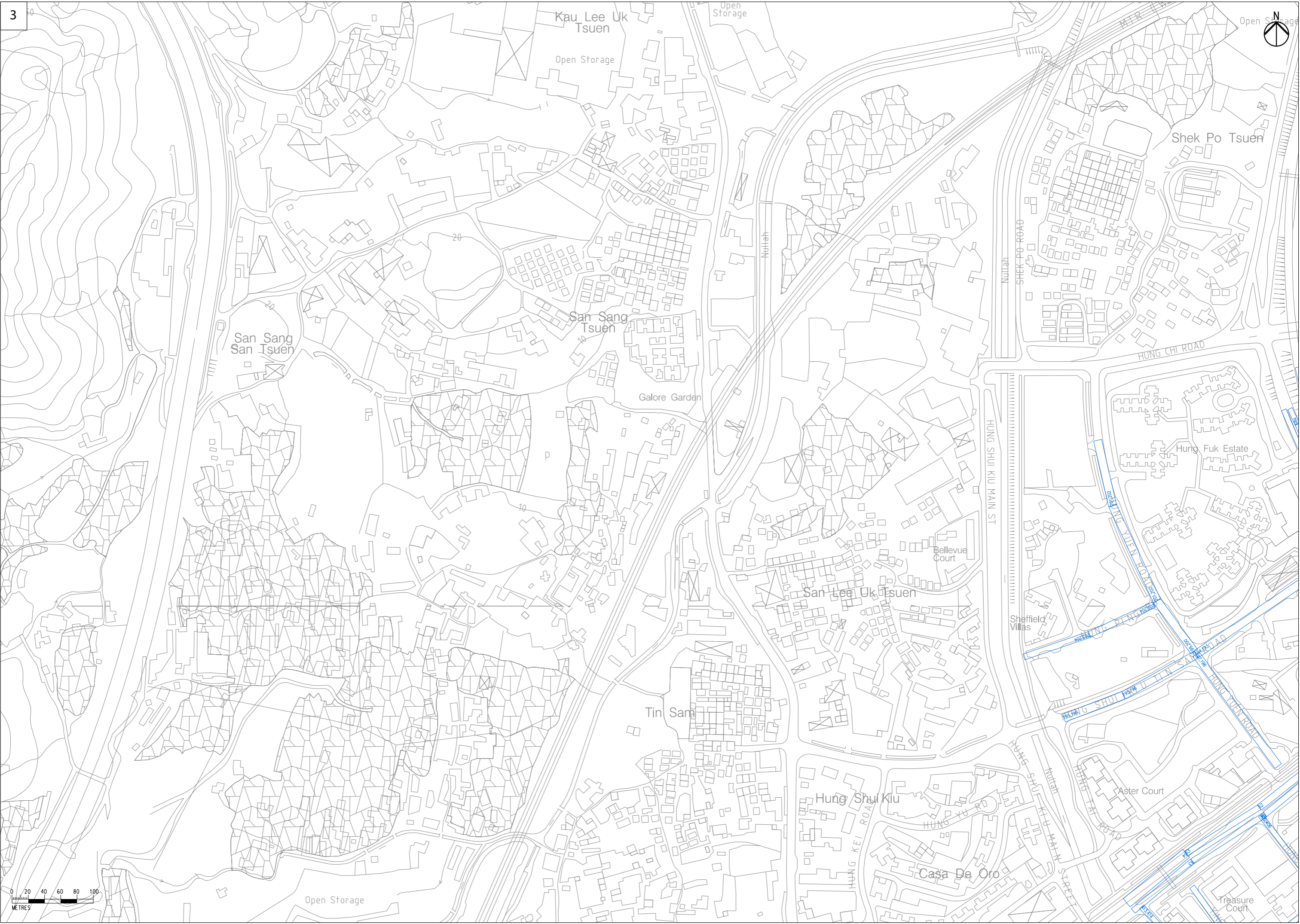


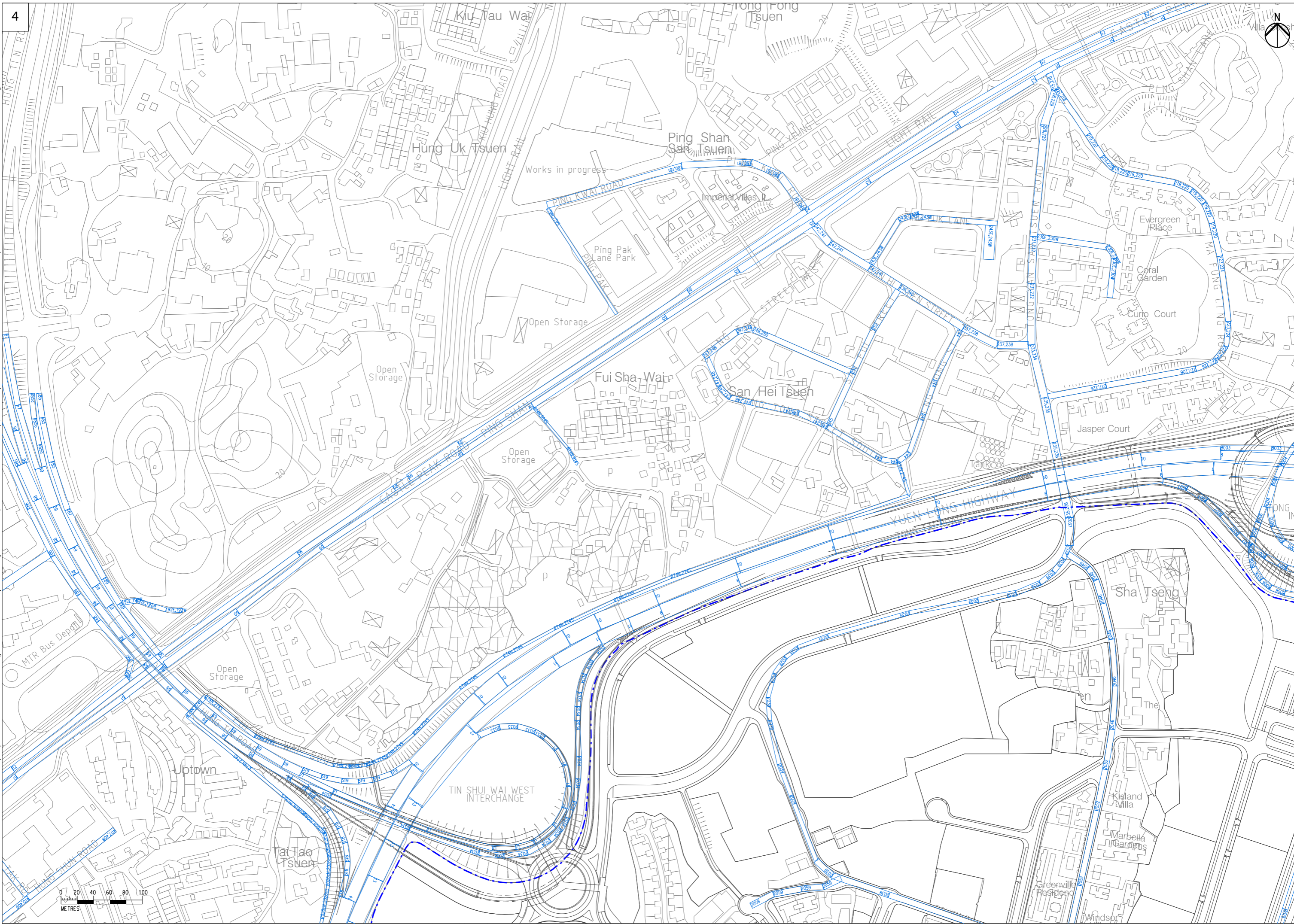


YUEN LONG

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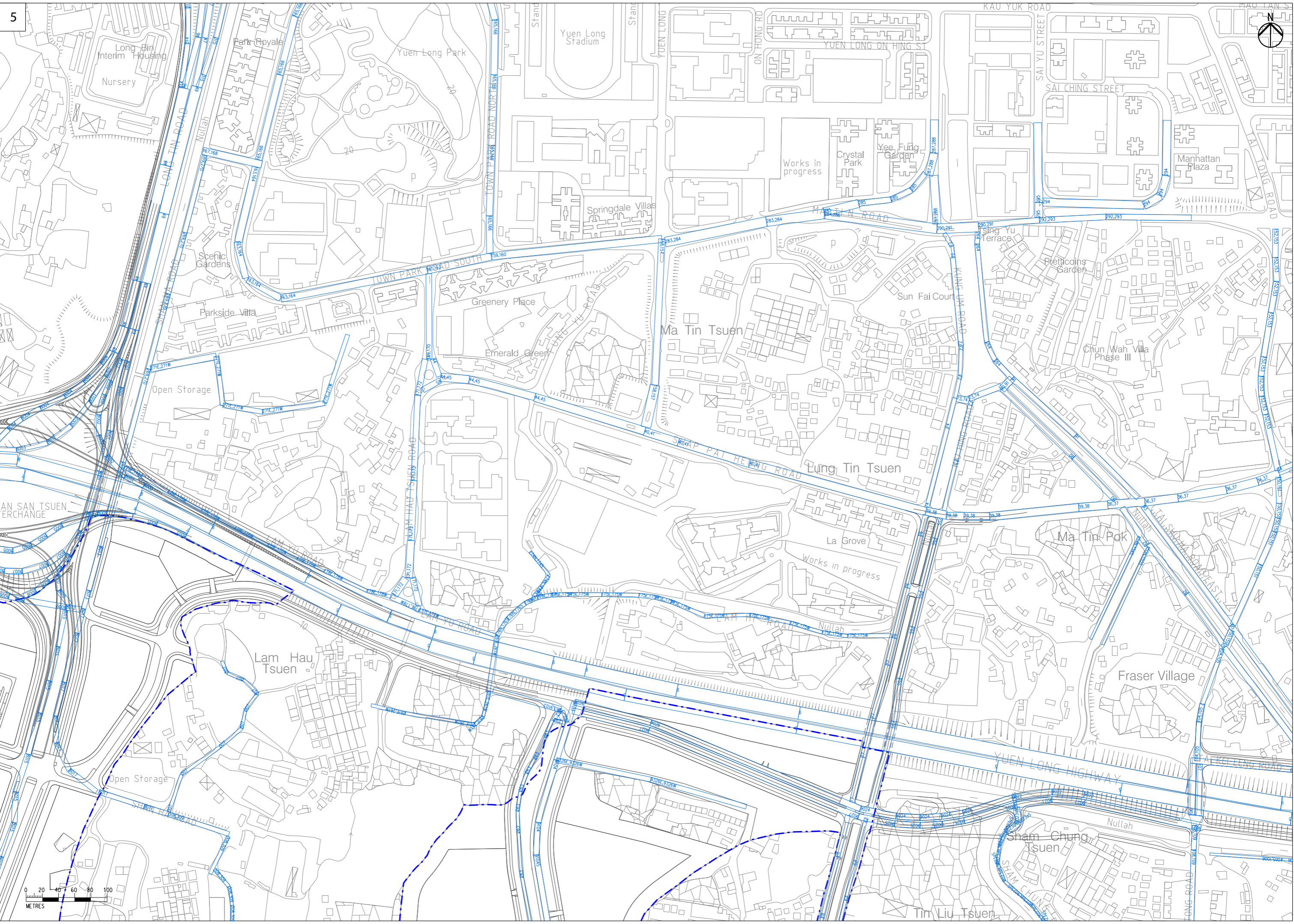


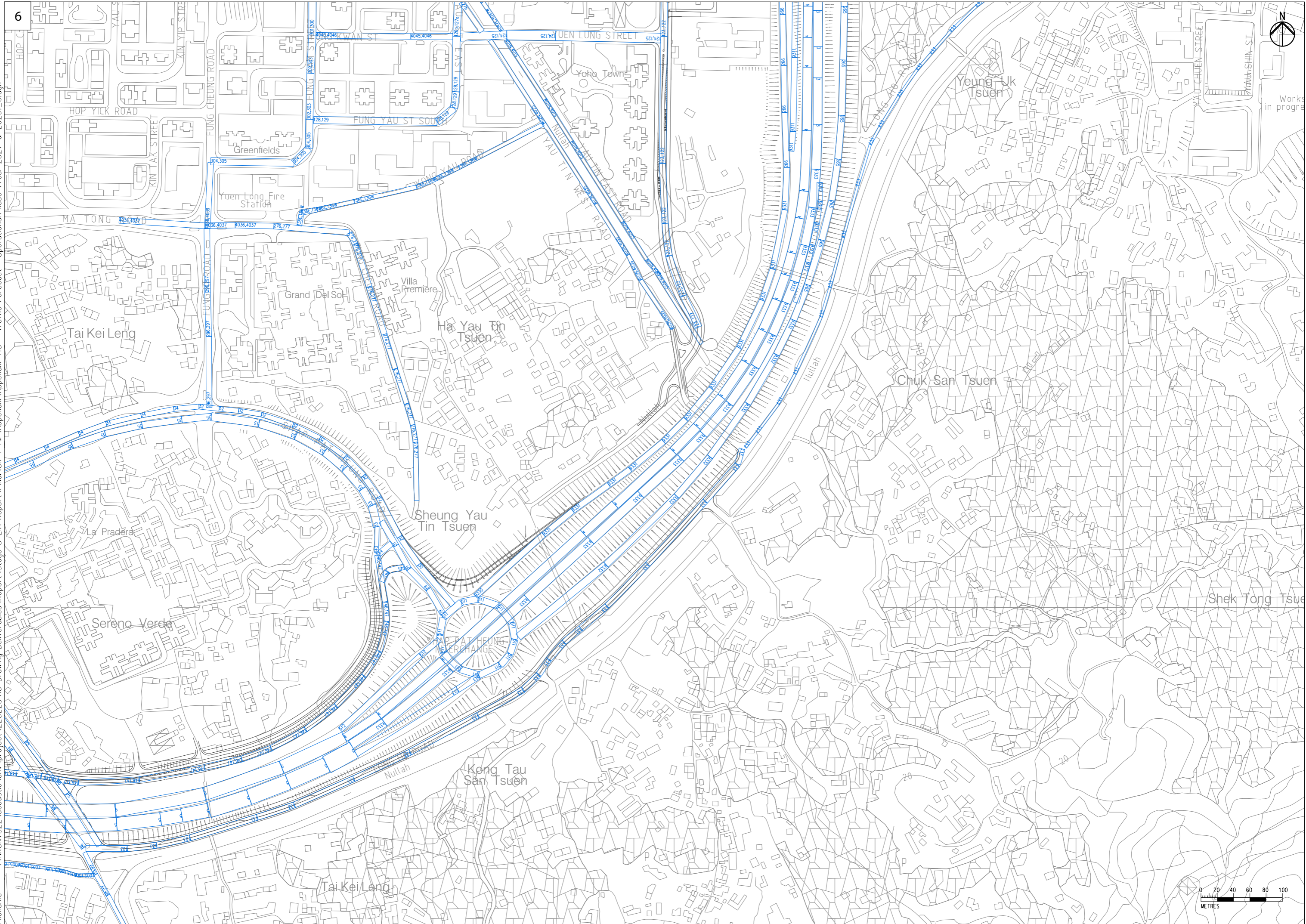




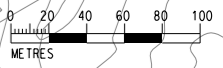


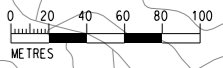
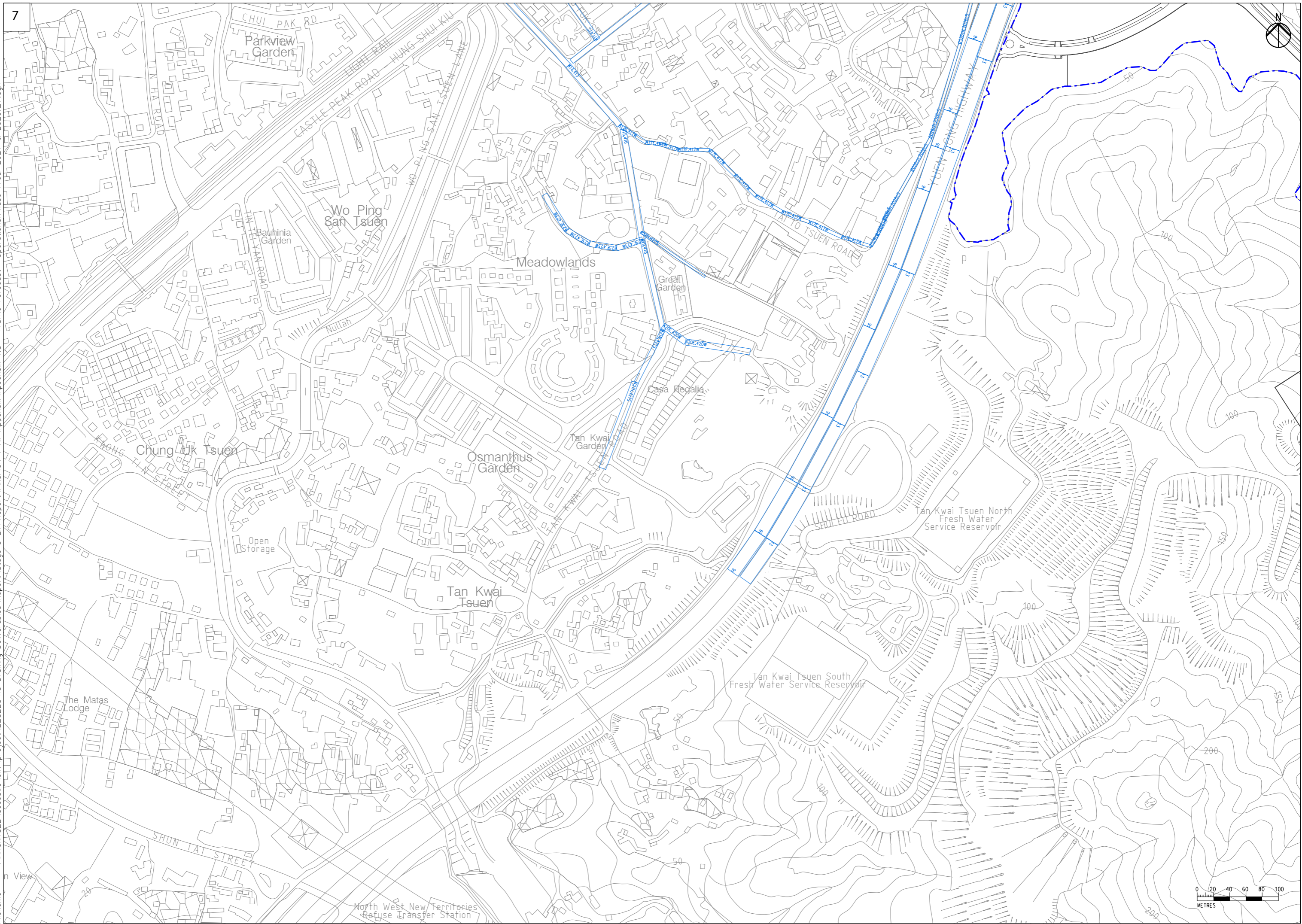
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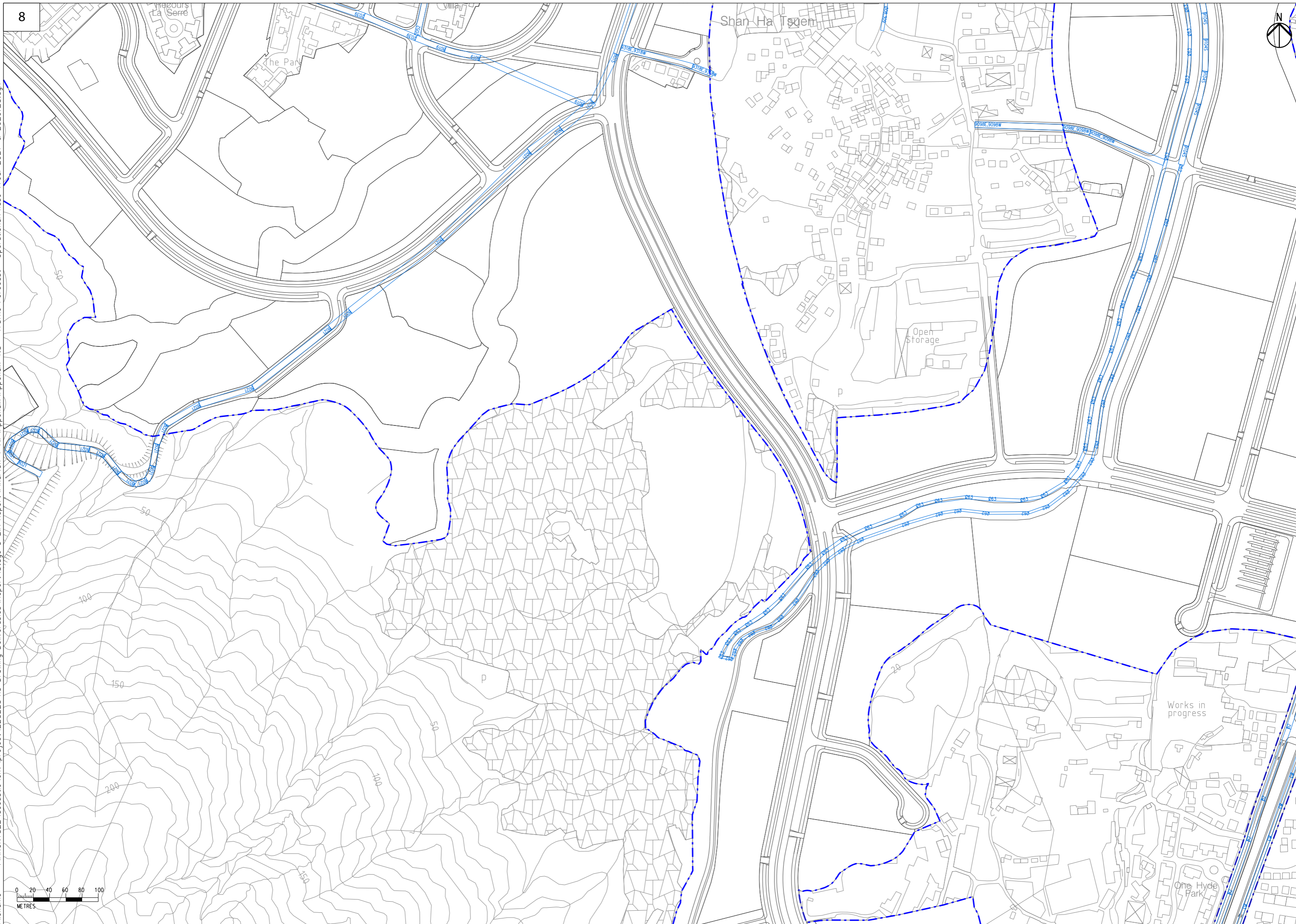


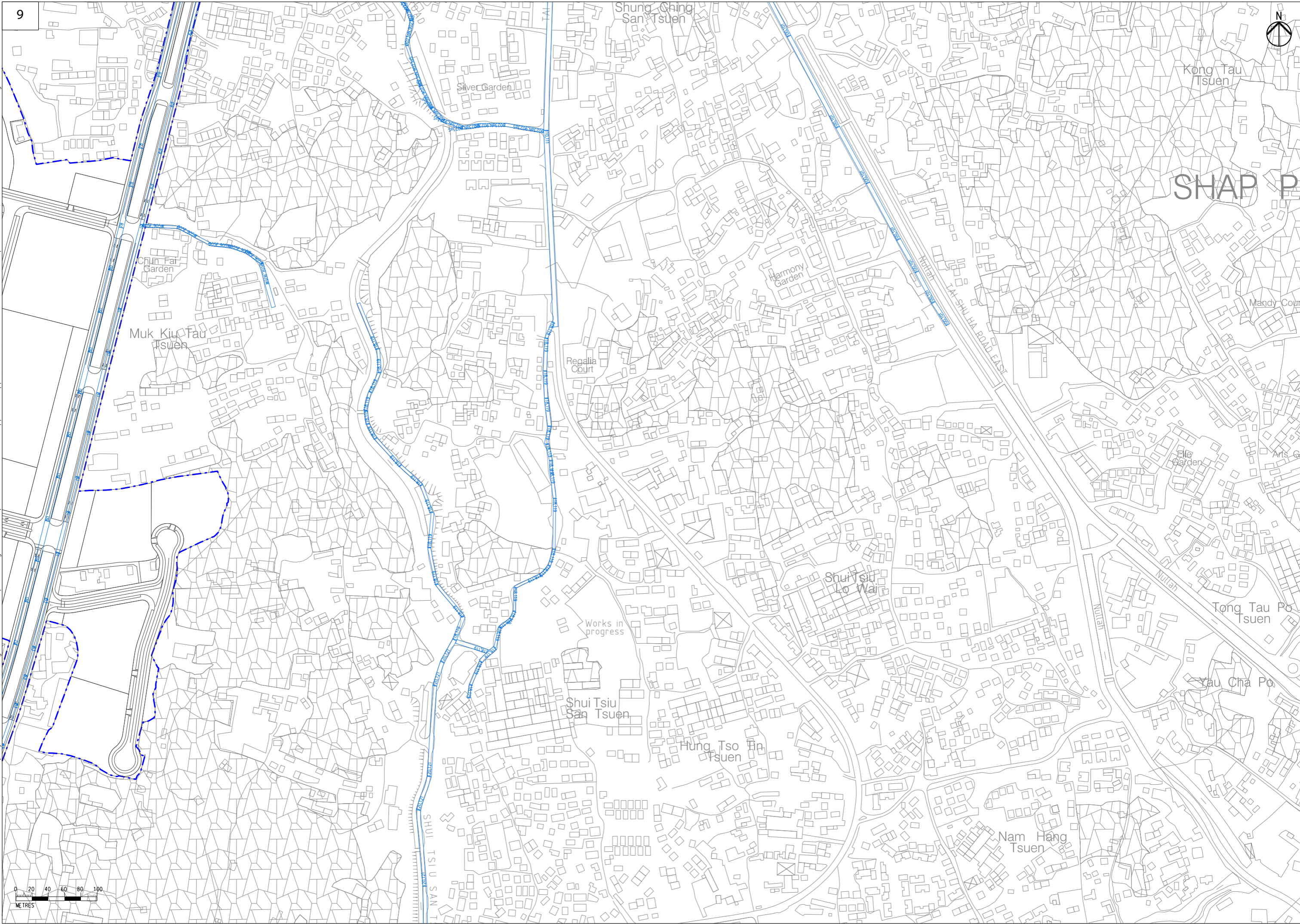


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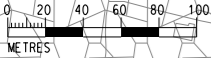


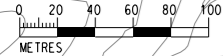


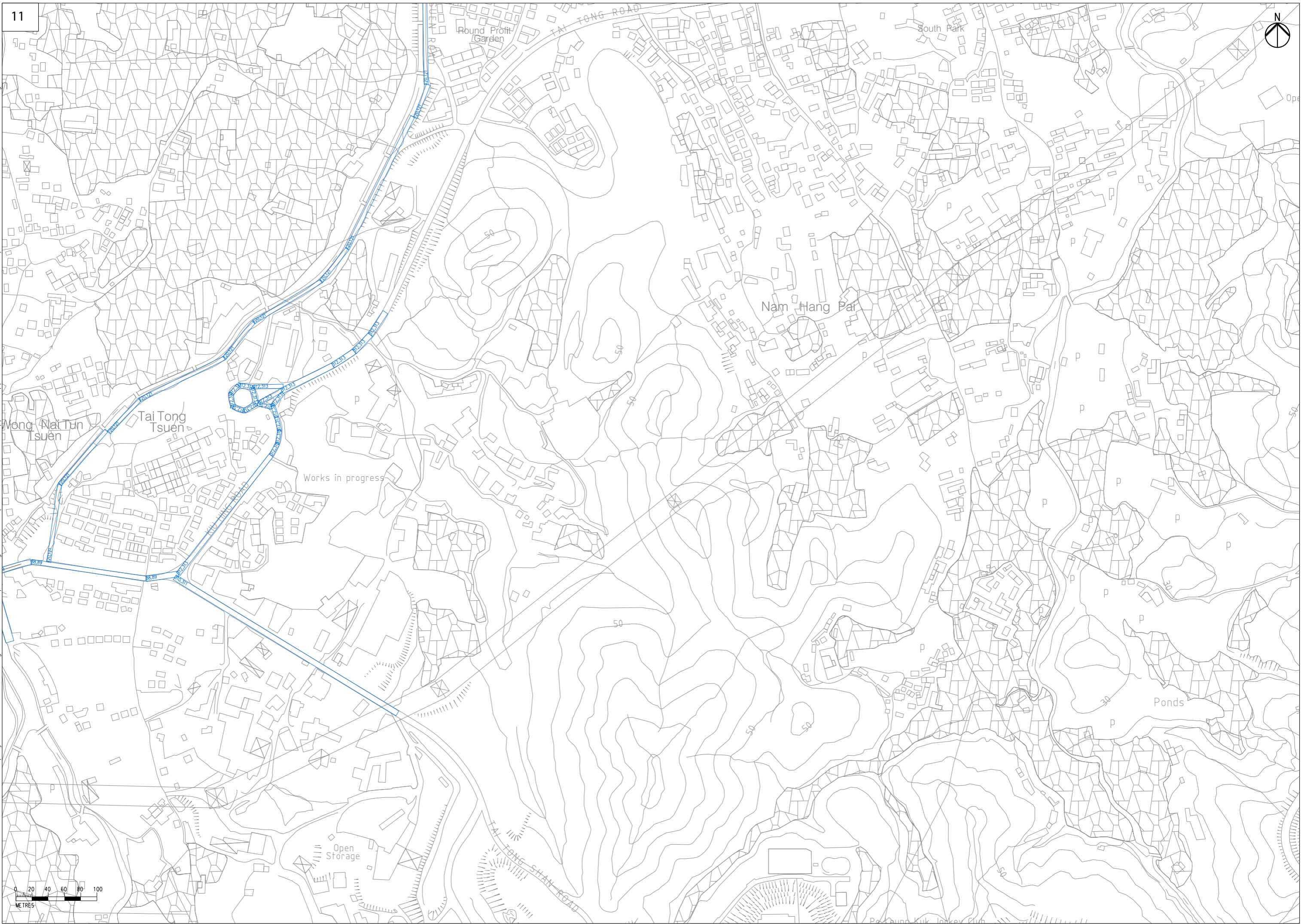




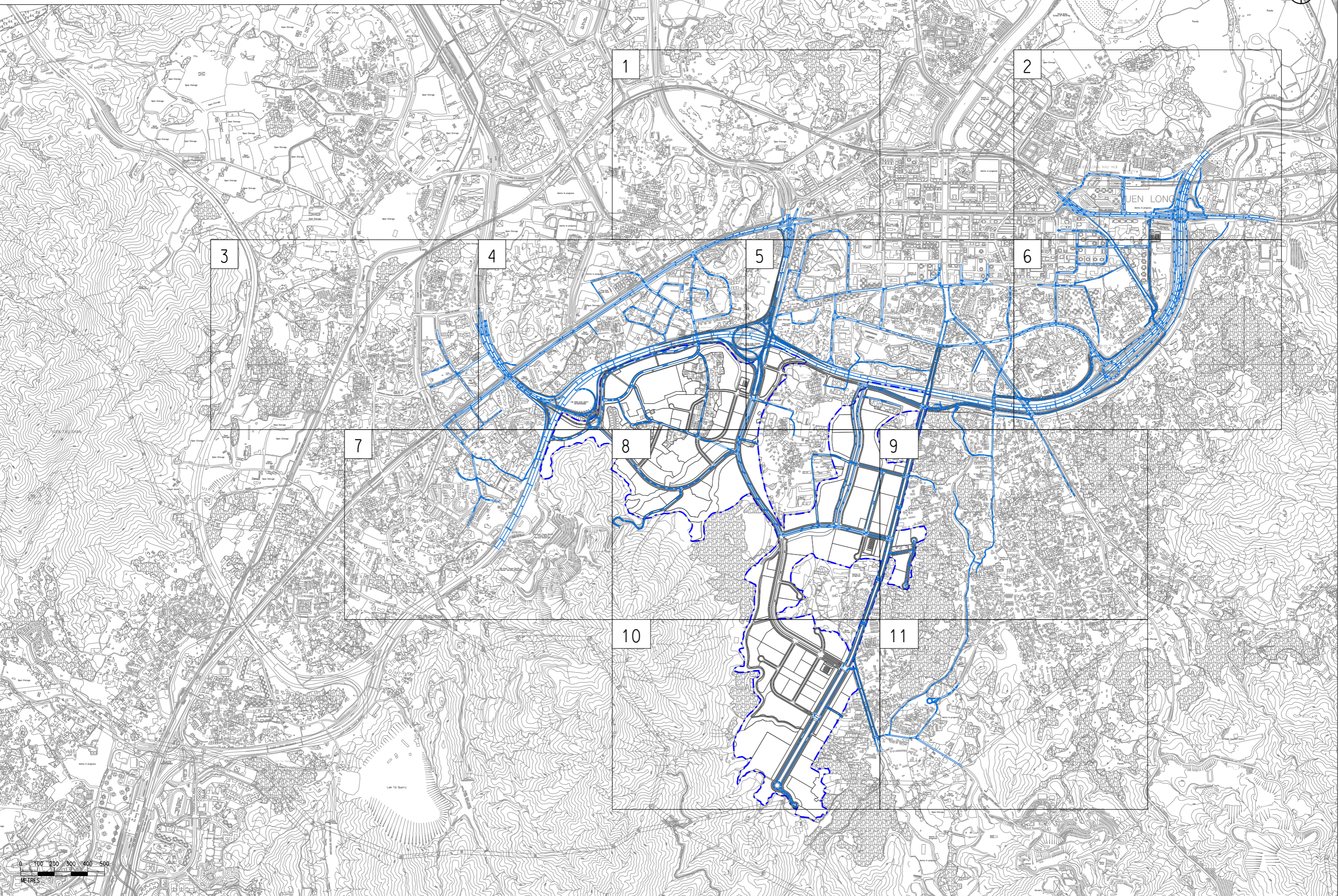
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Appendix 4.8
Traffic Forecast - Operational Phase (Year 2033)



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Tin Tsz Estate
Tin Lai Court



TIN FUK ROAD

TSUI SPING ROAD

MTR WEST RAIL LINE

YUNG YUEN RD

LONG TIN ROAD

Wing Ning Tsuen

Ping Wu Garden

Ping Wu Villas

PING SHAN

Open Storage

Fung Chi Tsuen

Shui Tin Tsuen

SHUI PIN WAI INTERCHANGE

Chun Hing San Tsuen

WANG TAT ROAD

MA WANG ROAD

Nullah

MA MU ROAD

Shui Pin Wai Estate

Hang Tau Tsuen

Pak Fa Tsuen

Hang Mei Tsuen

PING SHAN ROAD

YUNG YUEN ROAD

Fiori

Hang Ping Villa

Villa by the Park

Shui Pin Wai

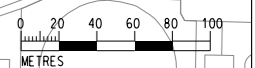
Shui Pin Tsuen

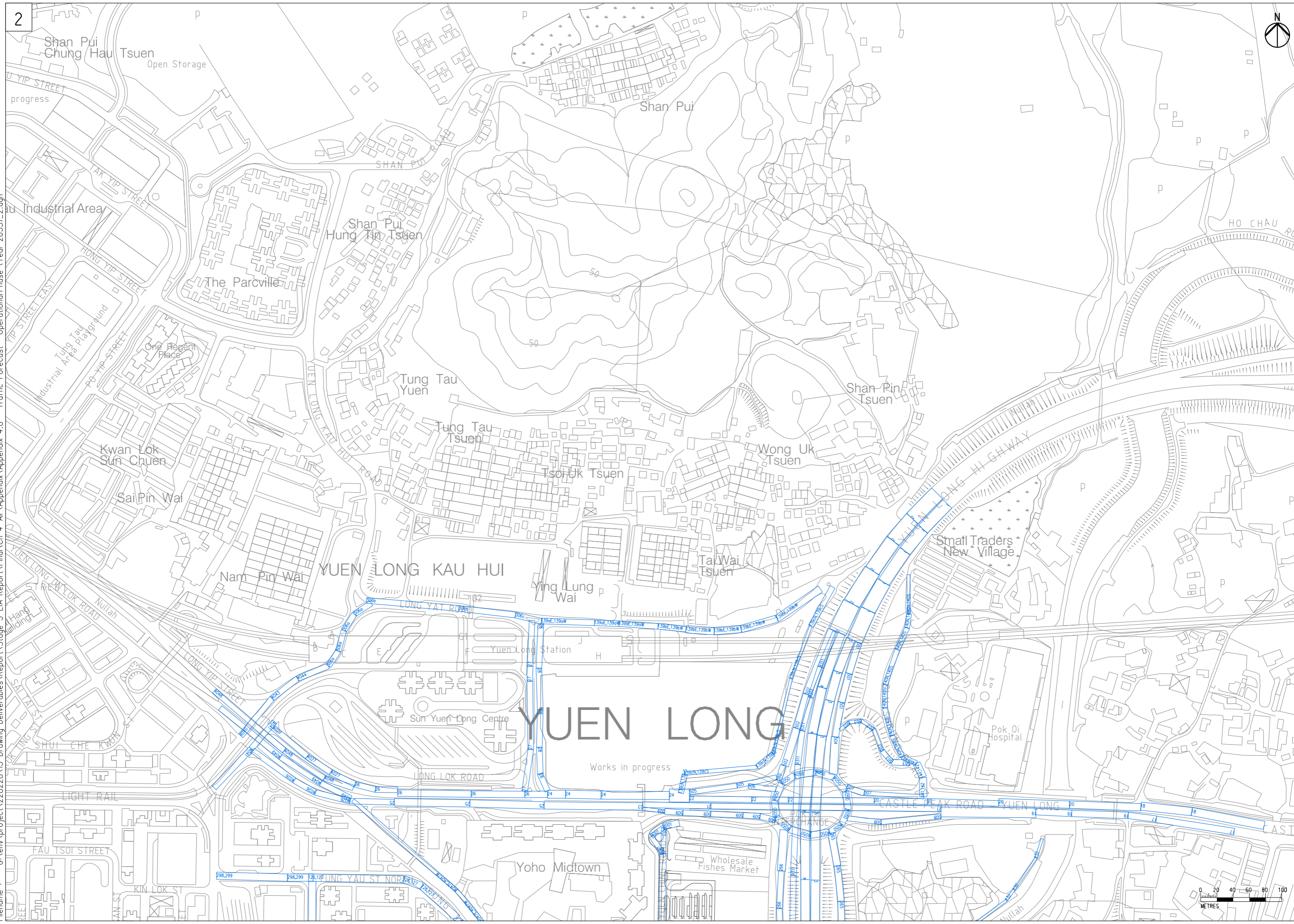
Shui Pin Tsue Playground

PING HA ROAD

Ka On Garden

Welsen Garden



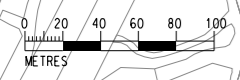


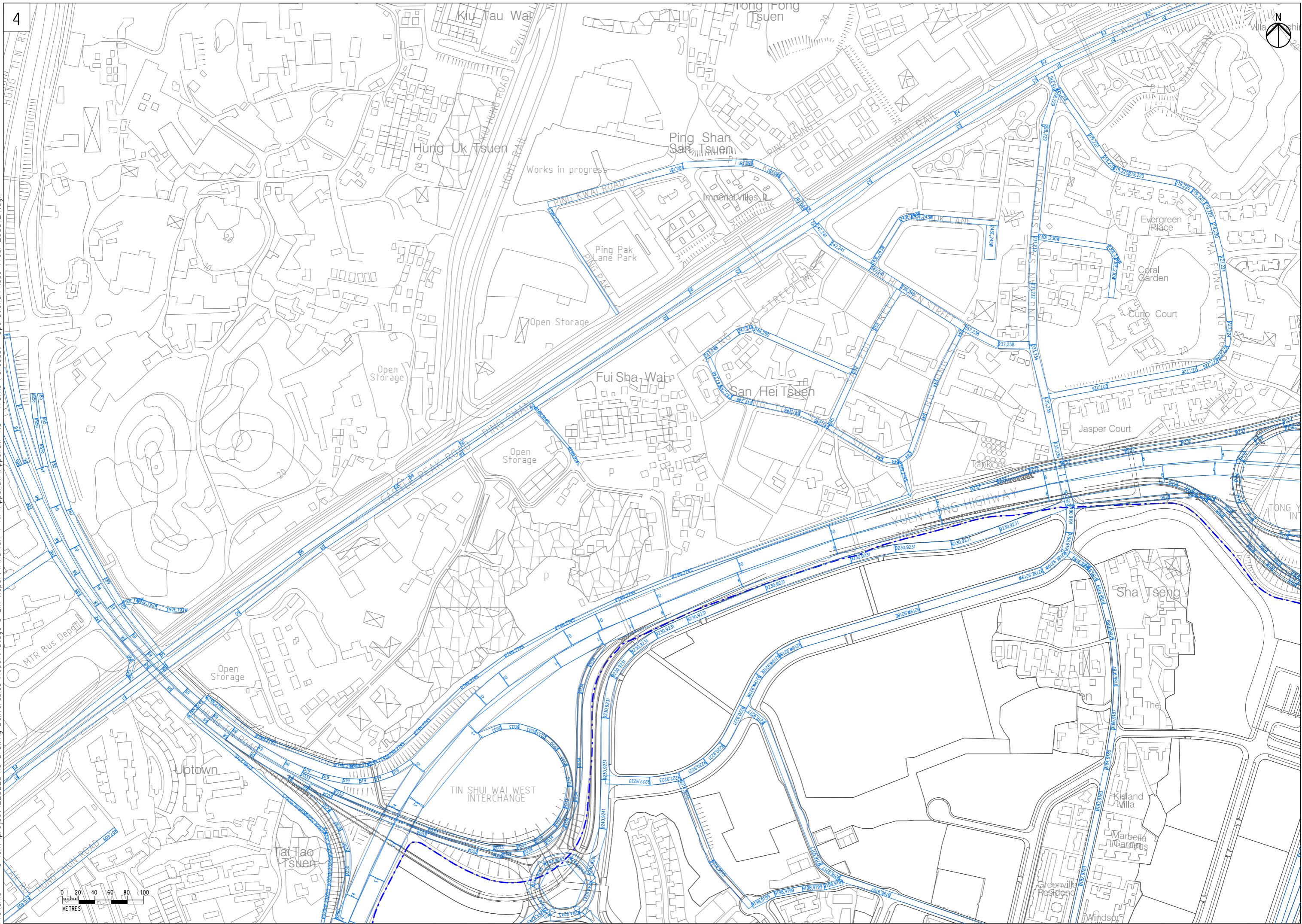
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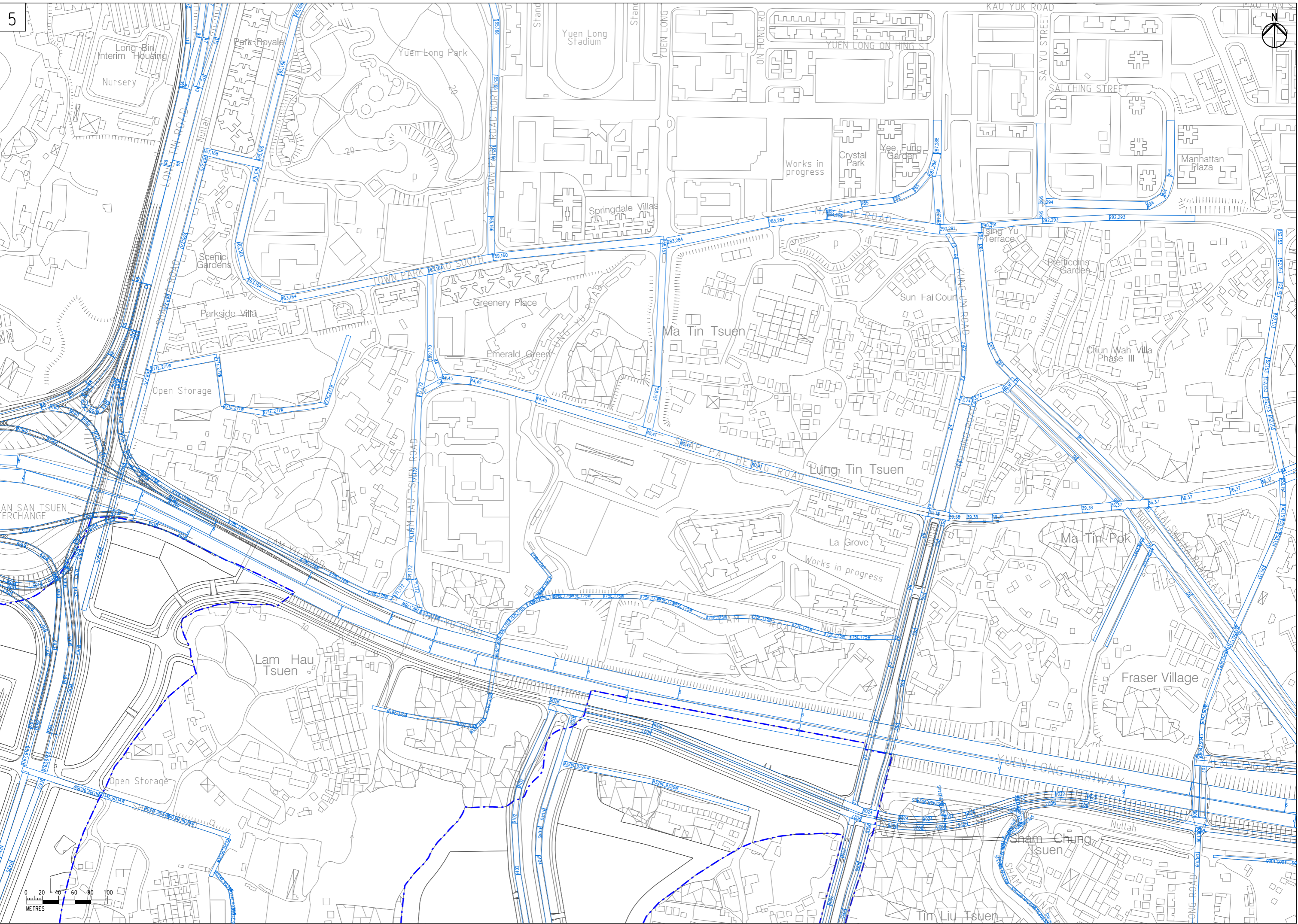


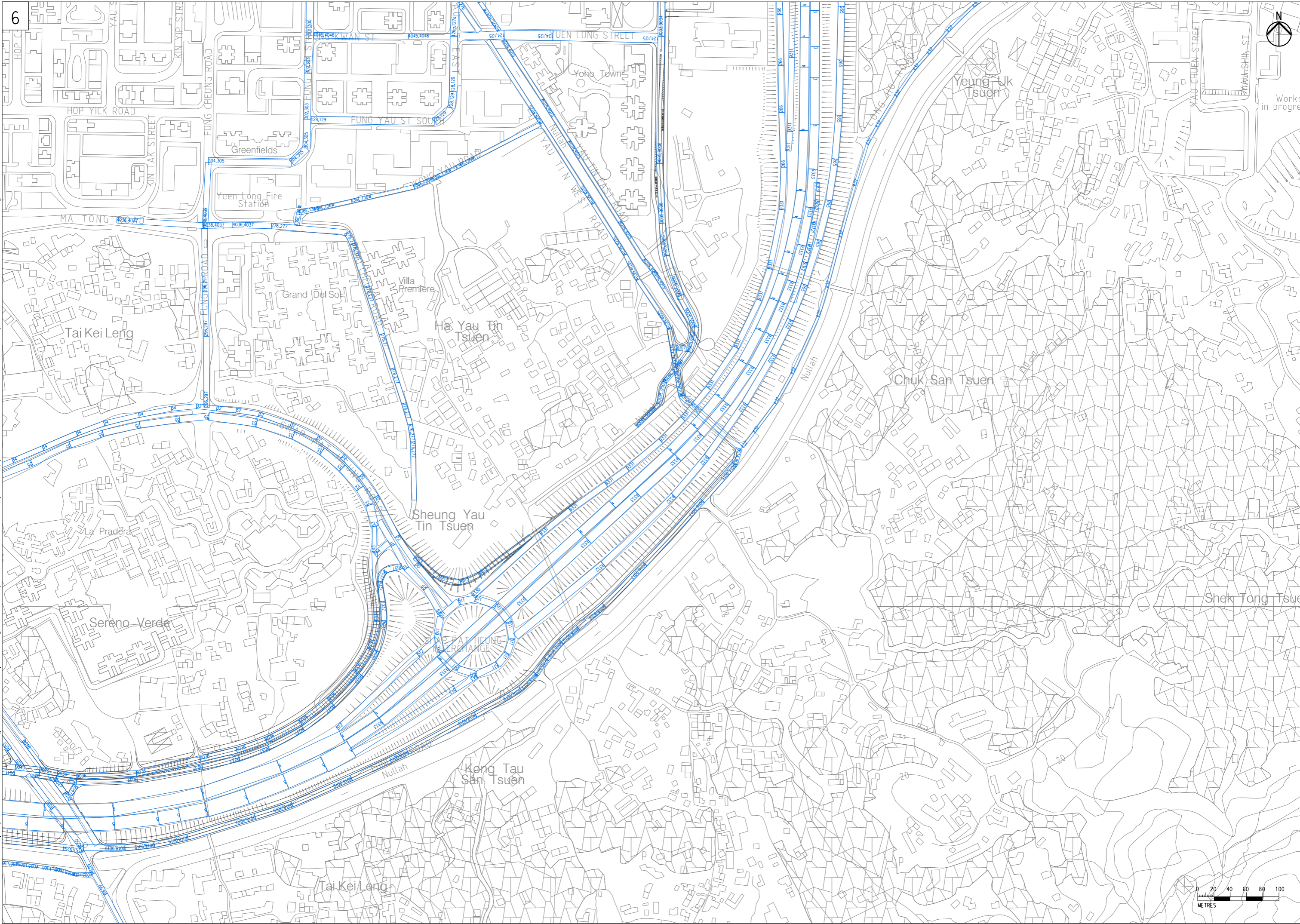


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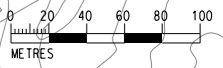






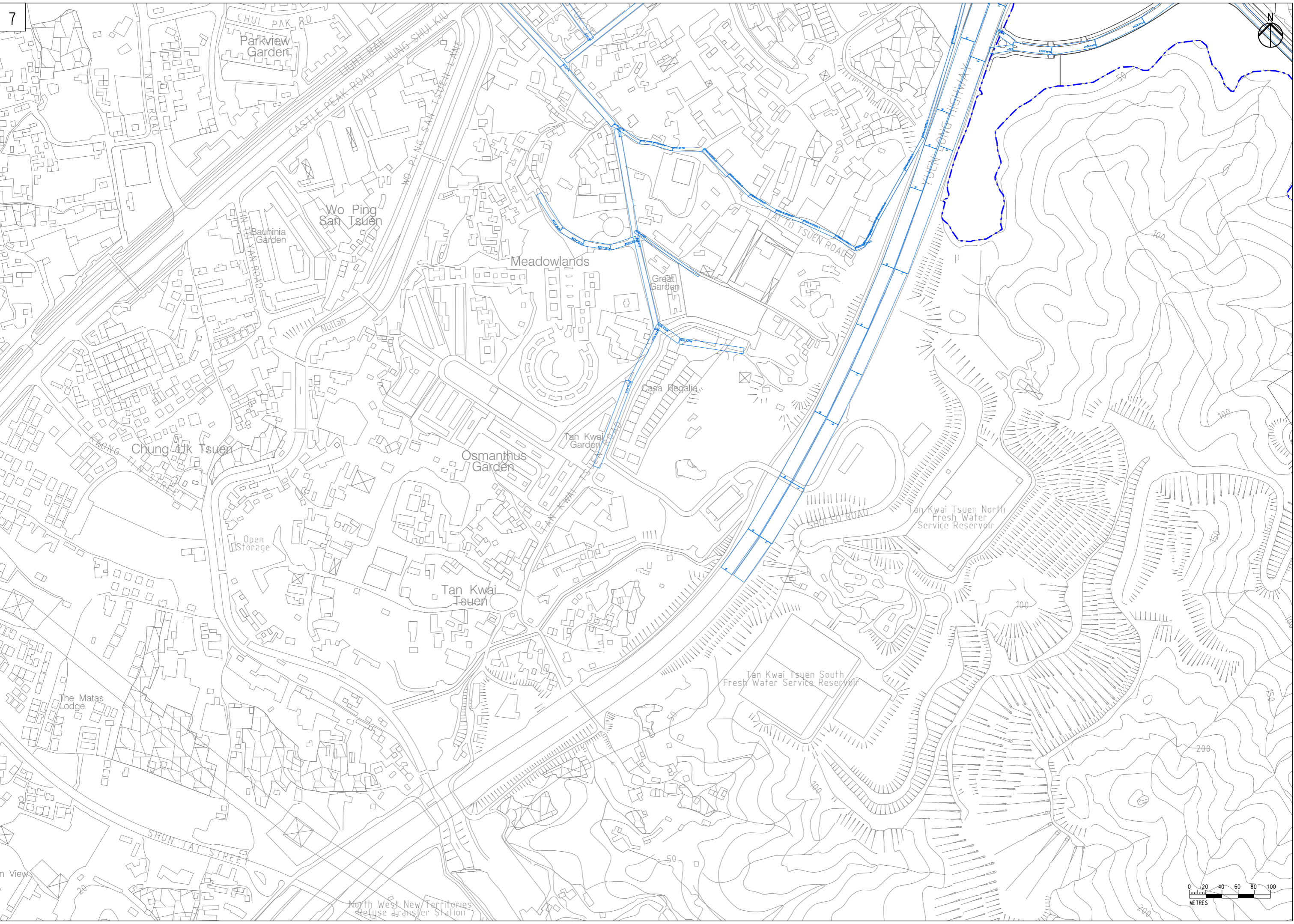


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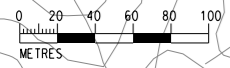
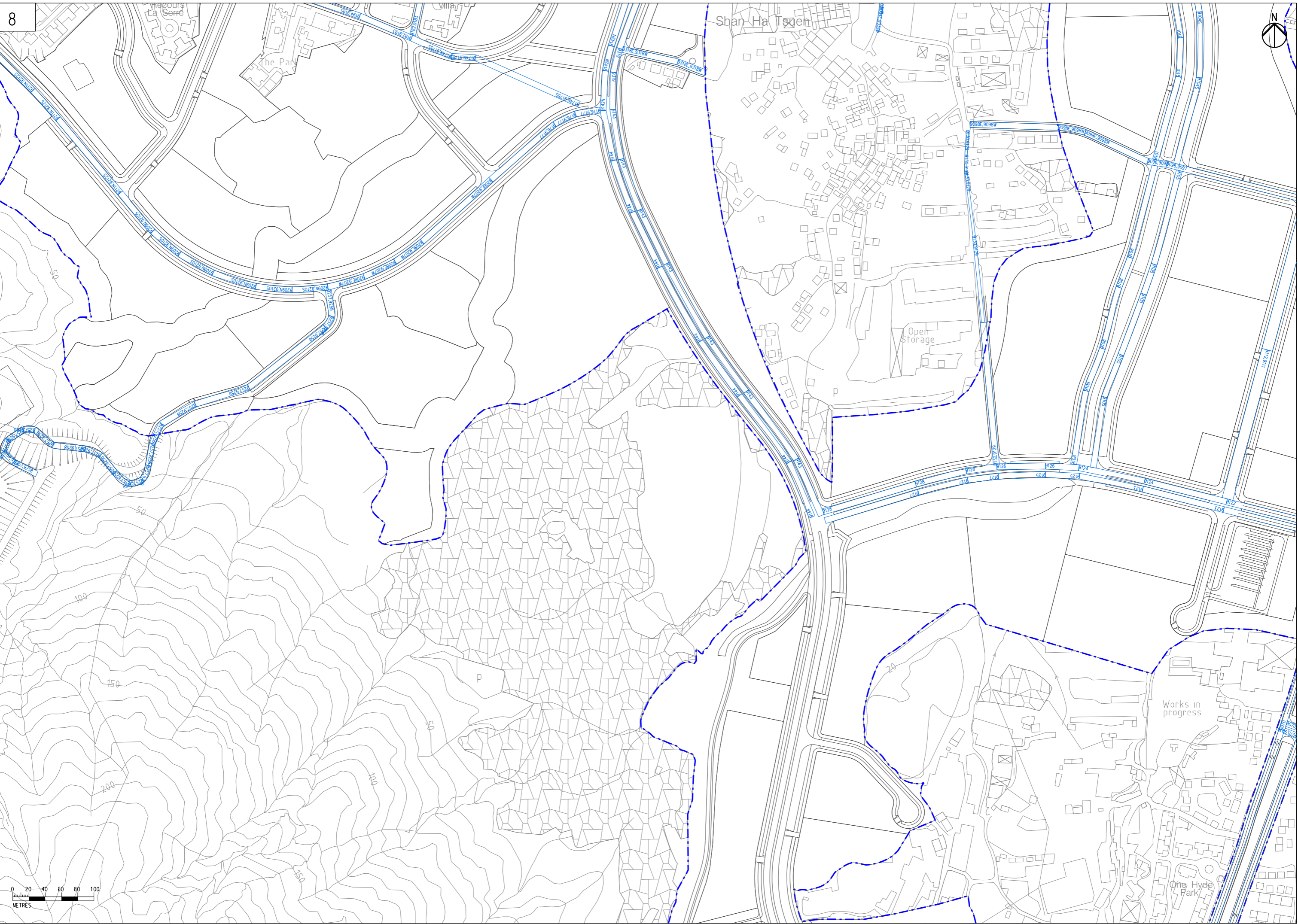




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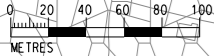
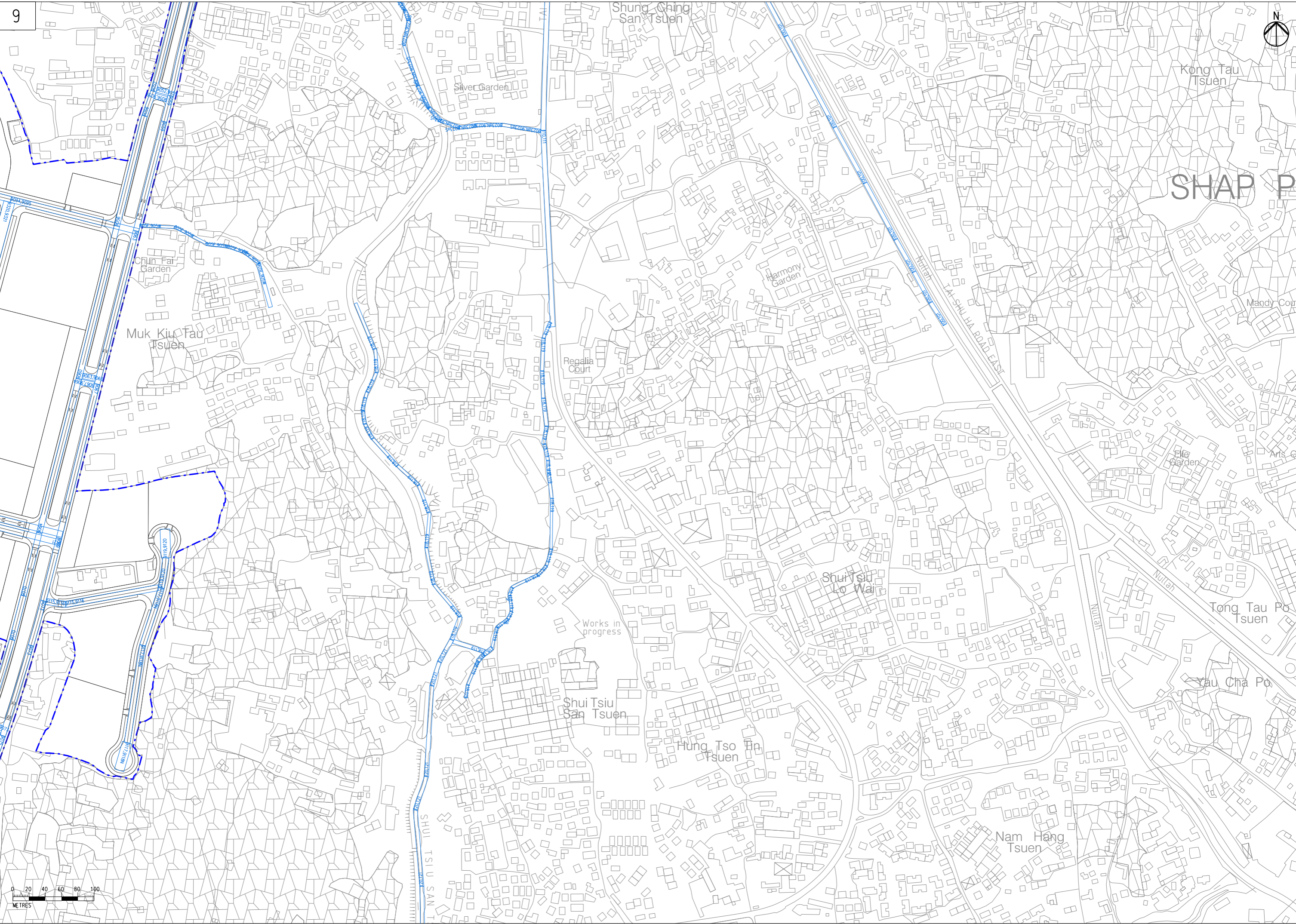
North West New Territories
Refuse Transfer Station



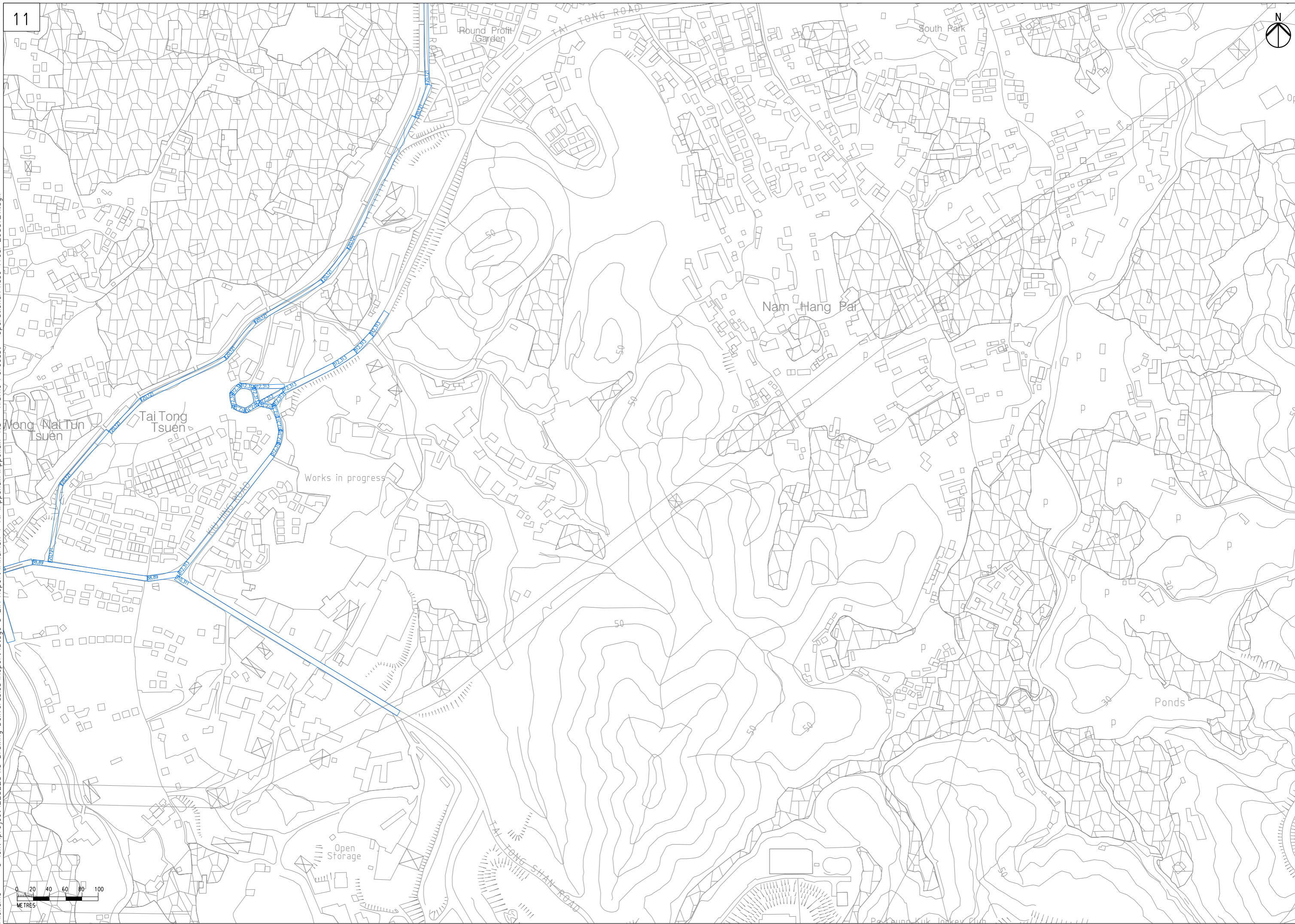


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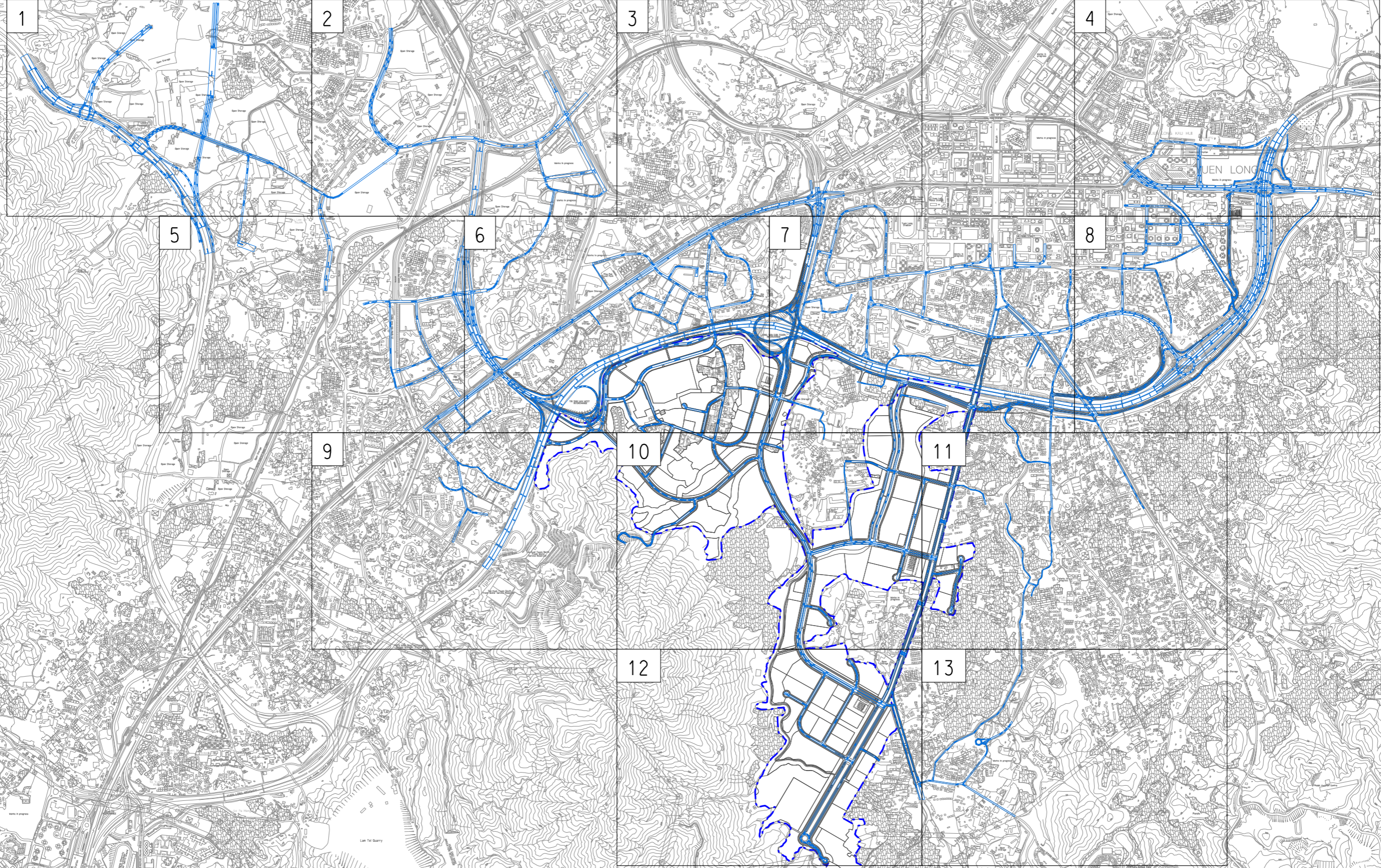
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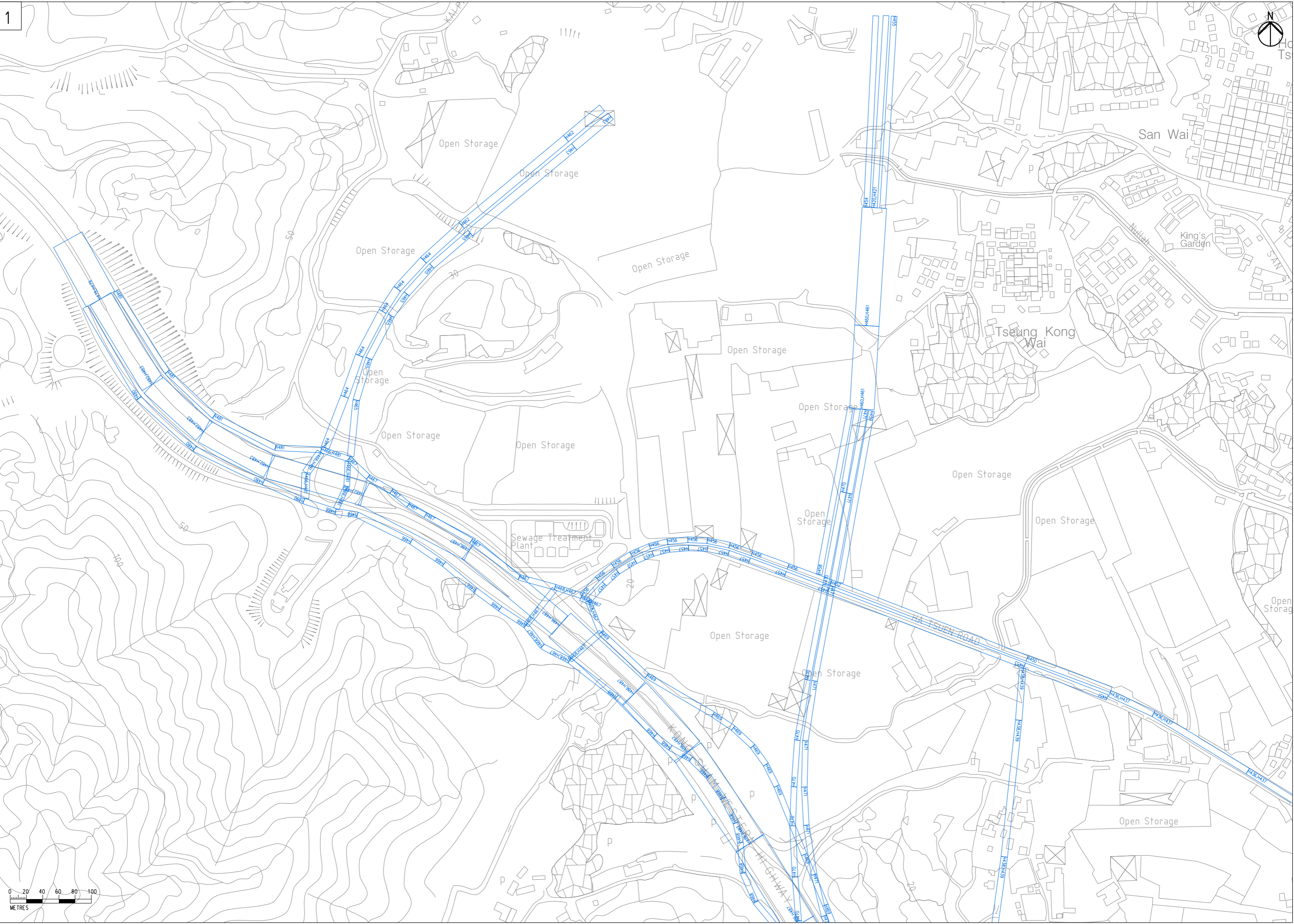


Appendix 4.8 Traffic Forecast - Construction Phase

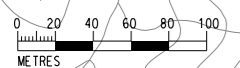


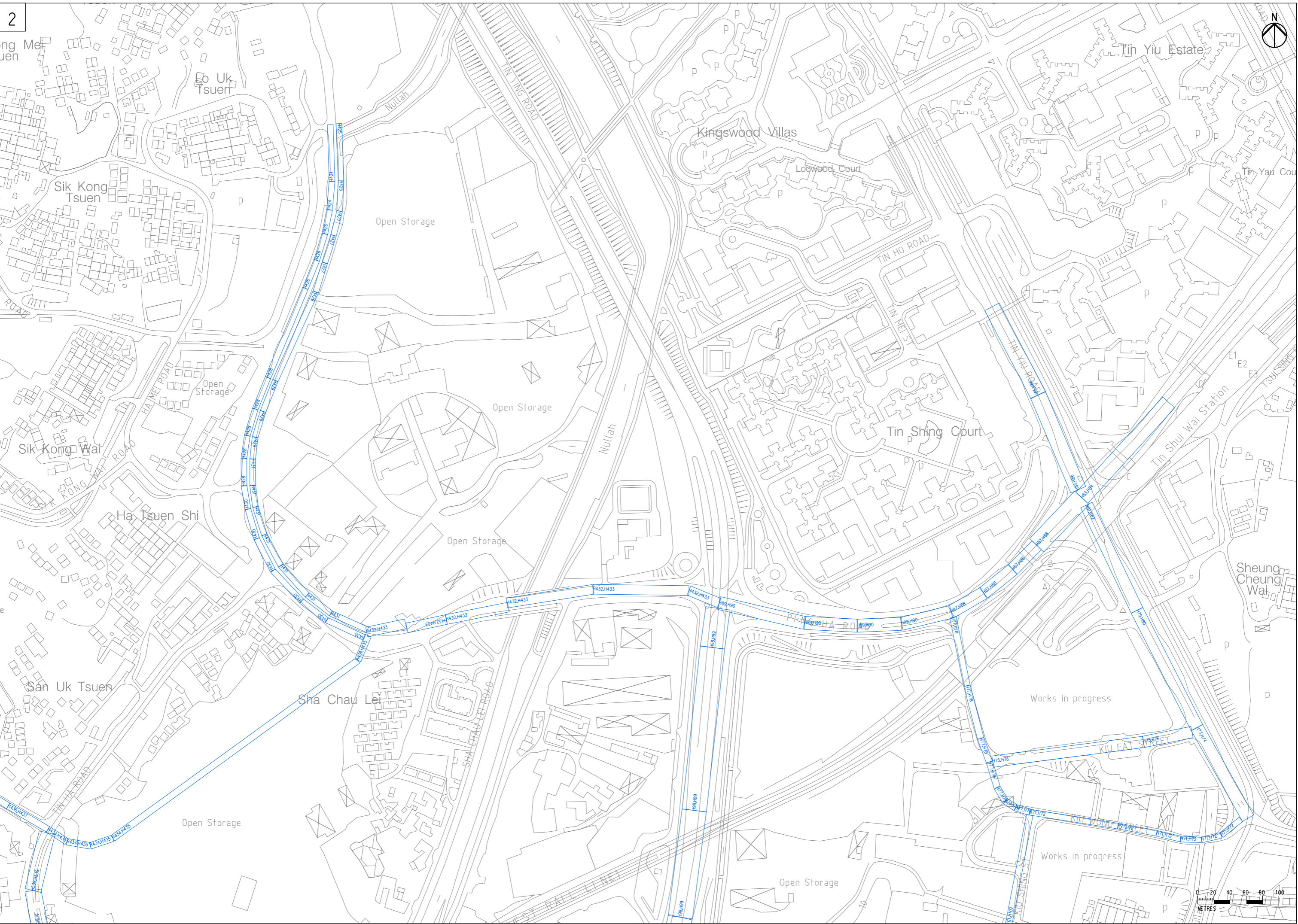
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TIN FUK ROAD

TSUI SPING ROAD

MTR WEST RAIL LINE

YUNG YUEN RD

LONG TIN ROAD

PING SHAN

Wing Ning Tsuen

Open Storage

Fung Chi Tsuen

Shui Tin Tsuen

Ping Wu Garden

Ping Wu Villas

Hang Tau Tsuen

Hang Mei Tsuen

SHUI PIN WAI INTERCHANGE

Chun Hing San Tsuen

Shui Pin Wai Estate

Pak Fa Tsuen

Fiori

Hang Ping Villa

Shui Pin Wai

Villa by the Park

Shui Pin Tsuen

Shui Pin Tsue Playground

YUNG YUEN ROAD

WANG TAT ROAD

MA WANG ROAD

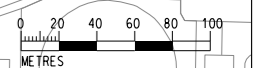
MA WU ROAD

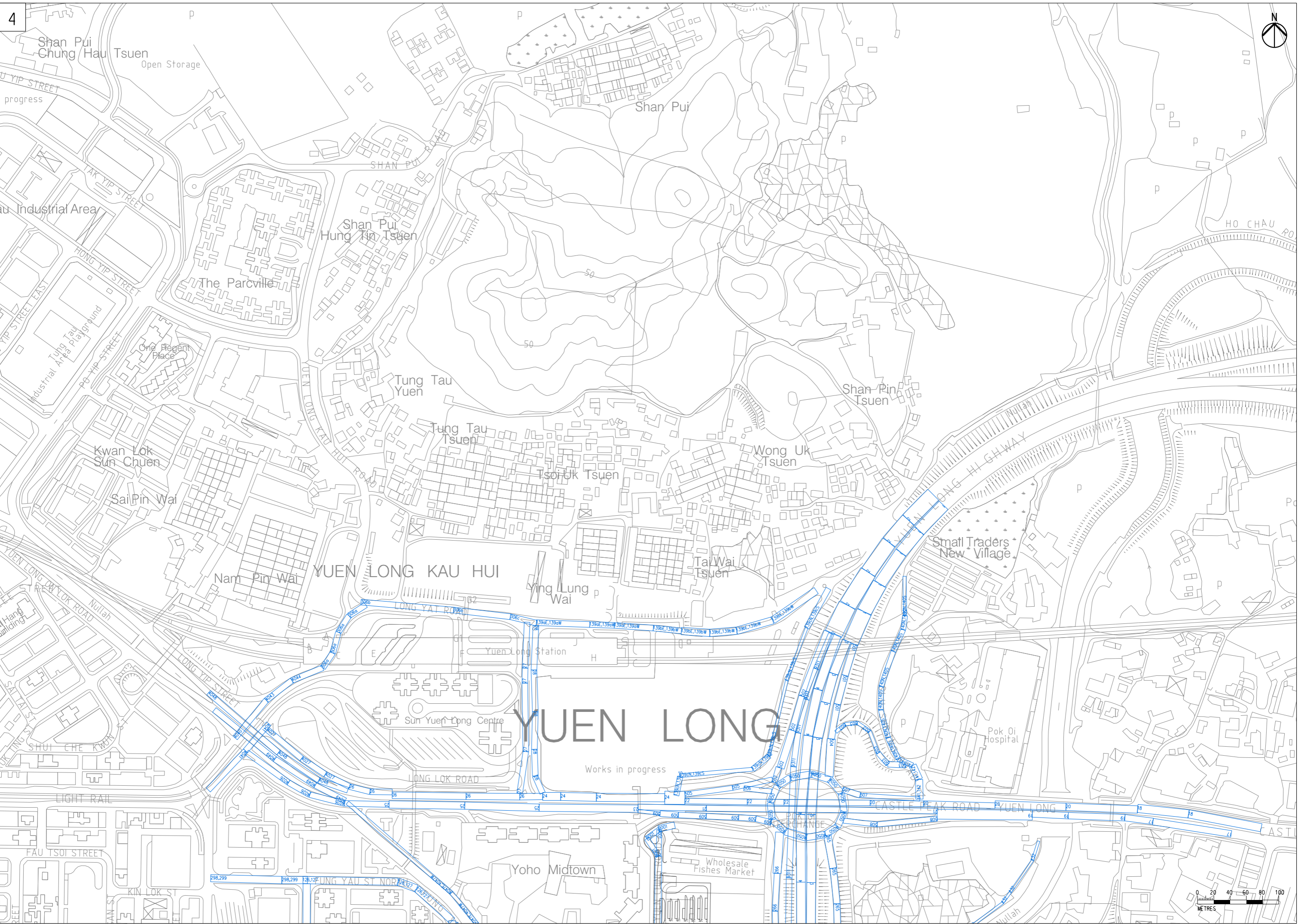
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PING HA ROAD

Ka On Garden

Welsen Garden

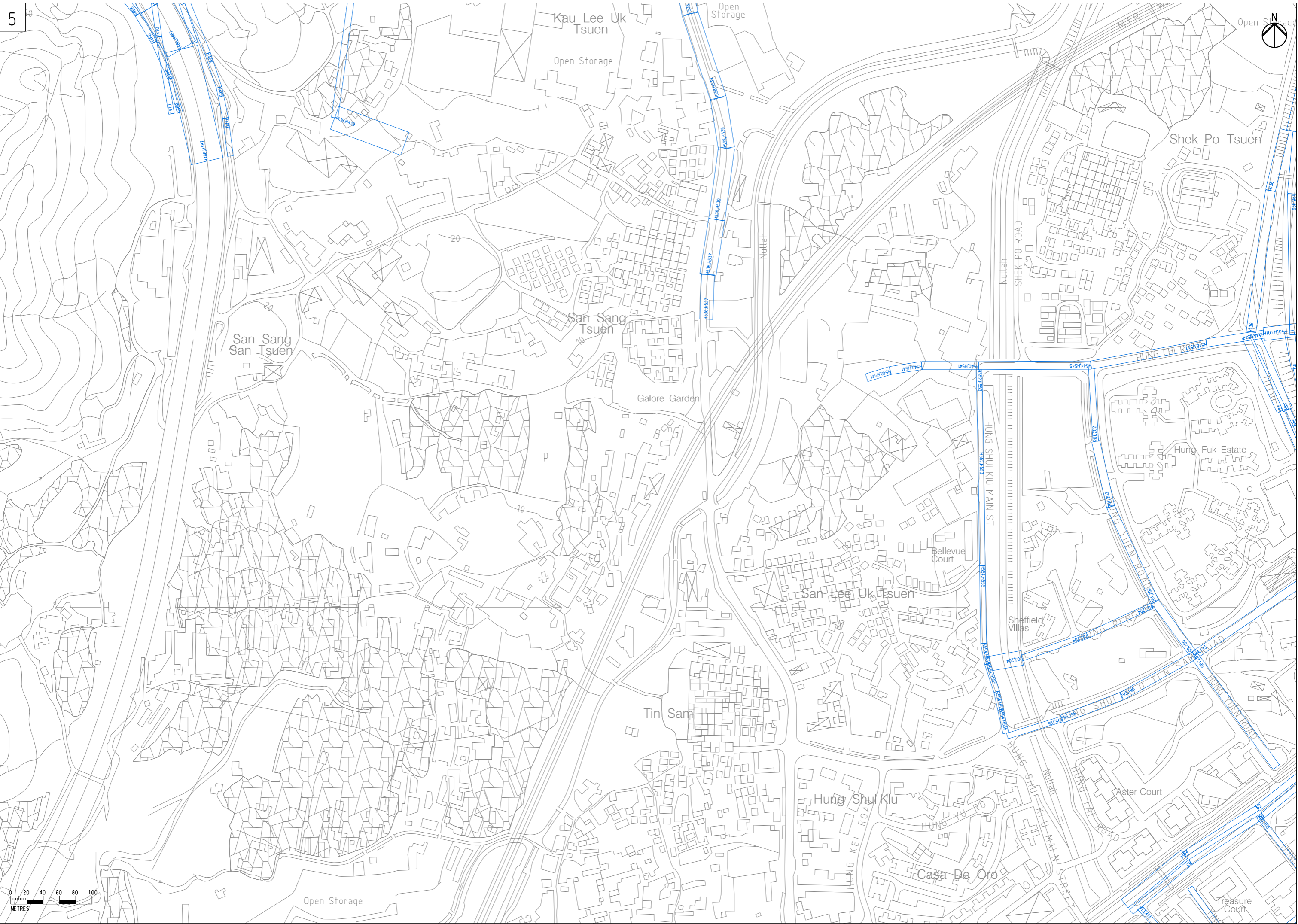




YUEN LONG

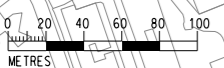
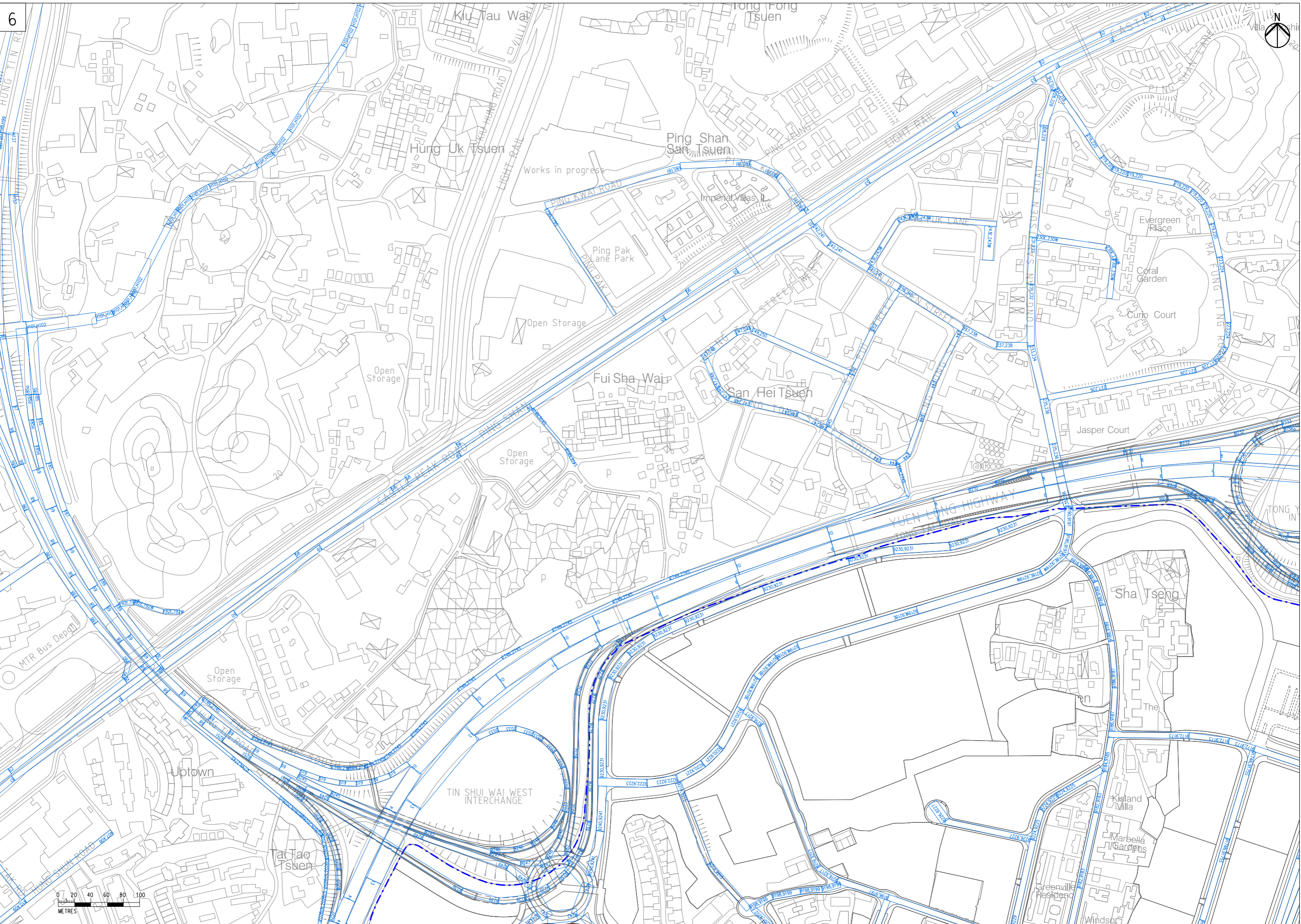
Works in progress

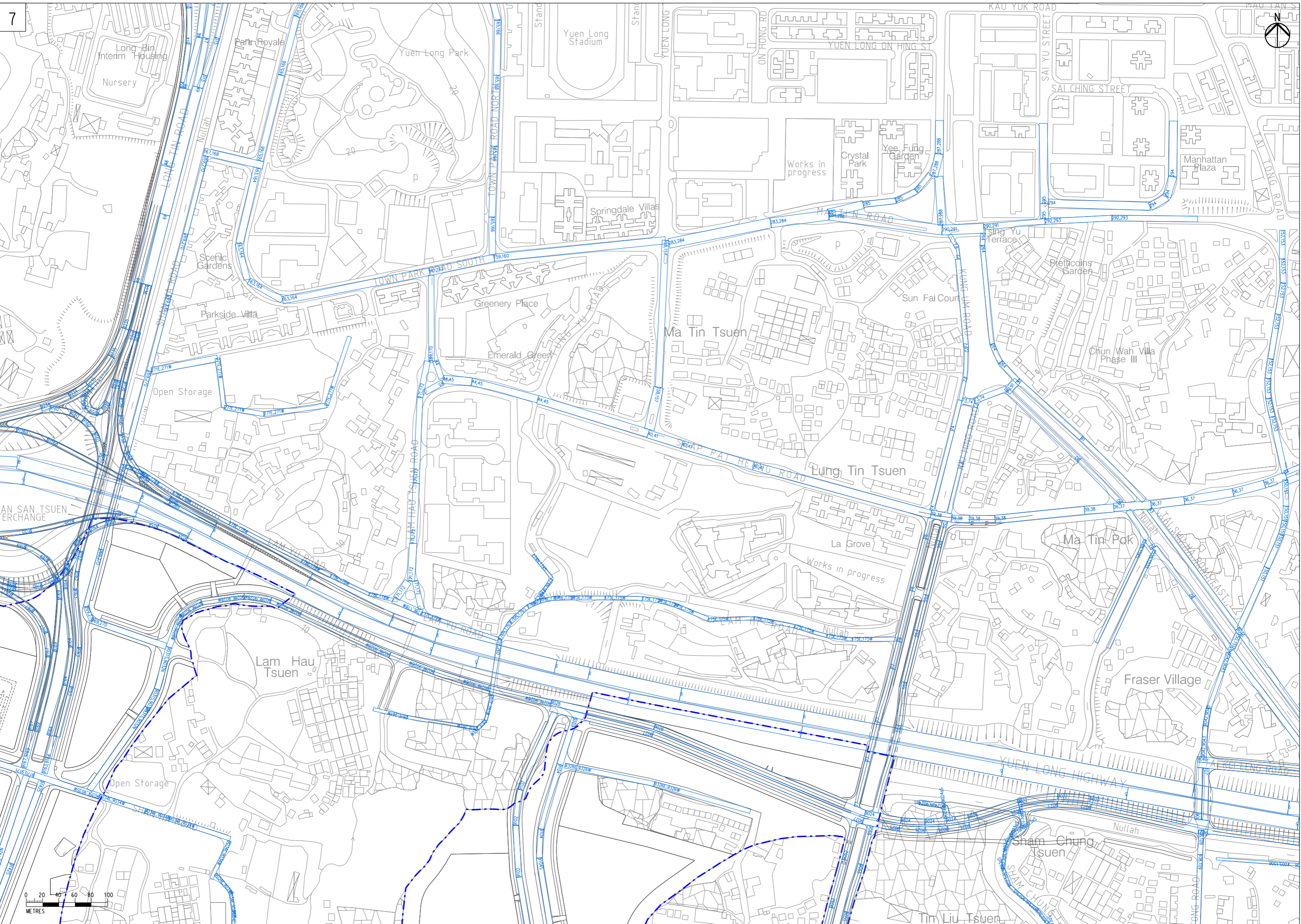


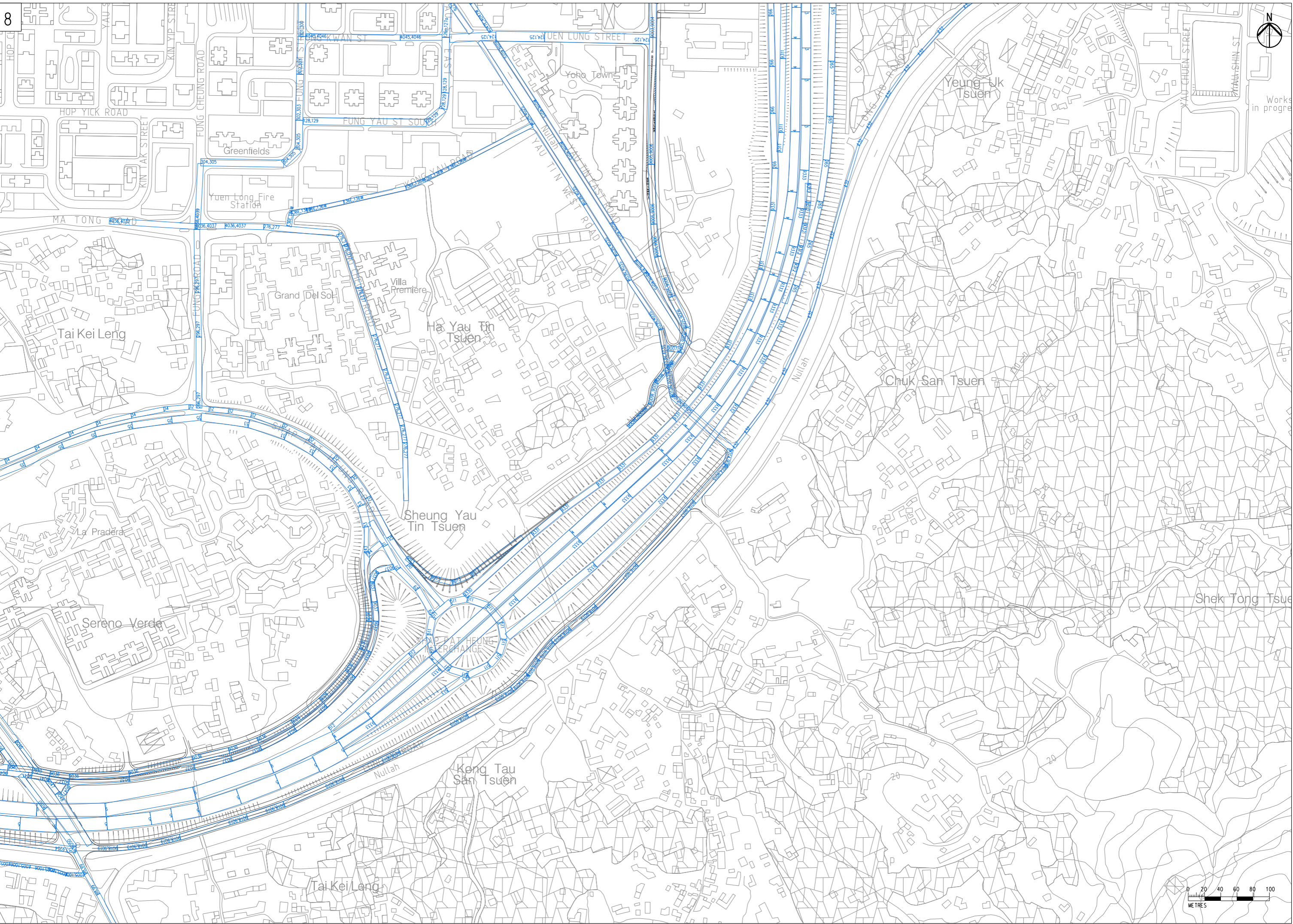




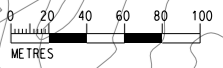
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Filename : \\HKGNTS22\acoustic\env\project\228228\13 Drawing Deliverables\Report\Stage 3 EIA Report\Final\Ch 4 Air\Appendix Appendix 4.8 - Traffic Forecast - Construction Phase (Year 2038)_6.dgn

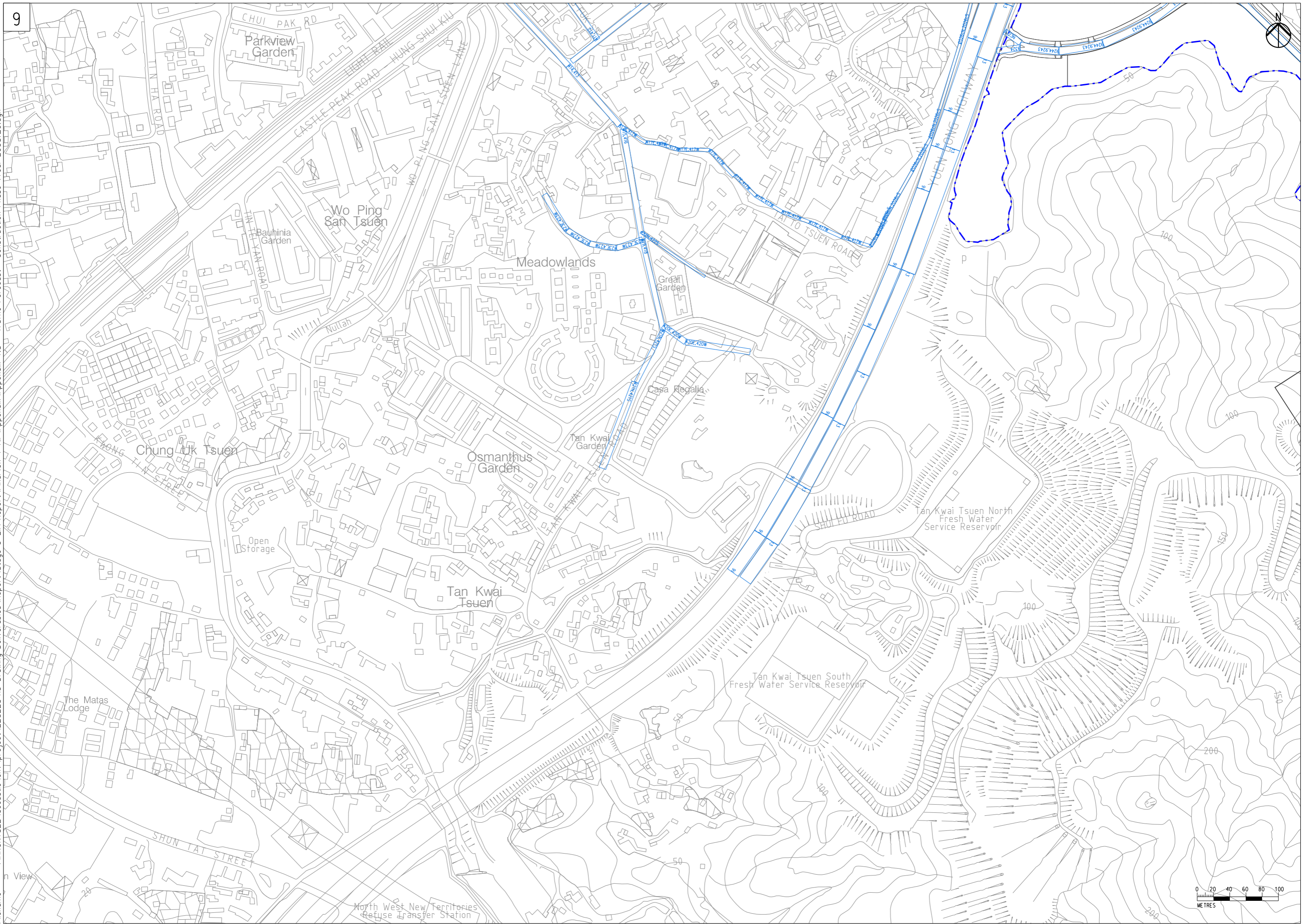


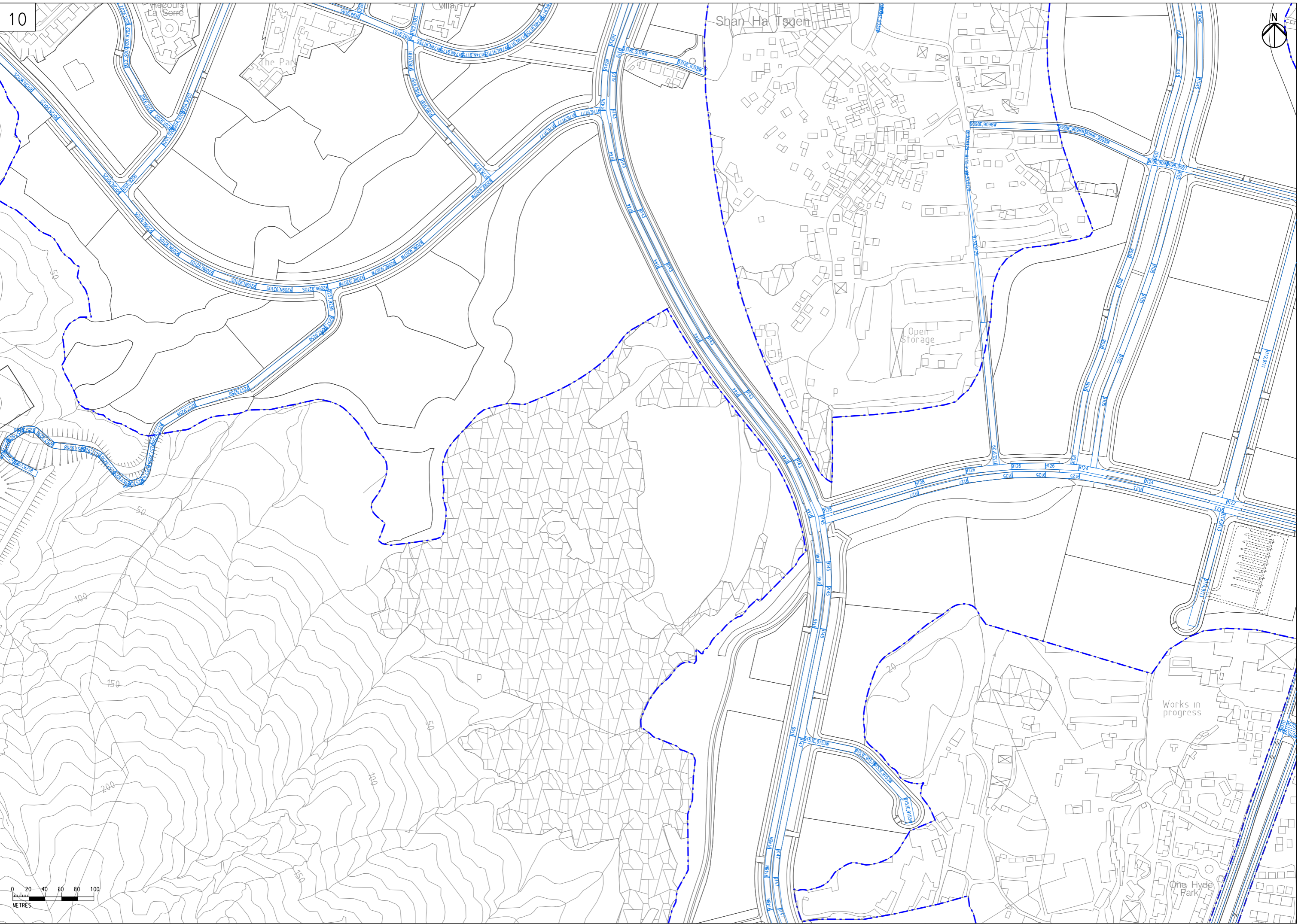




Works in progress



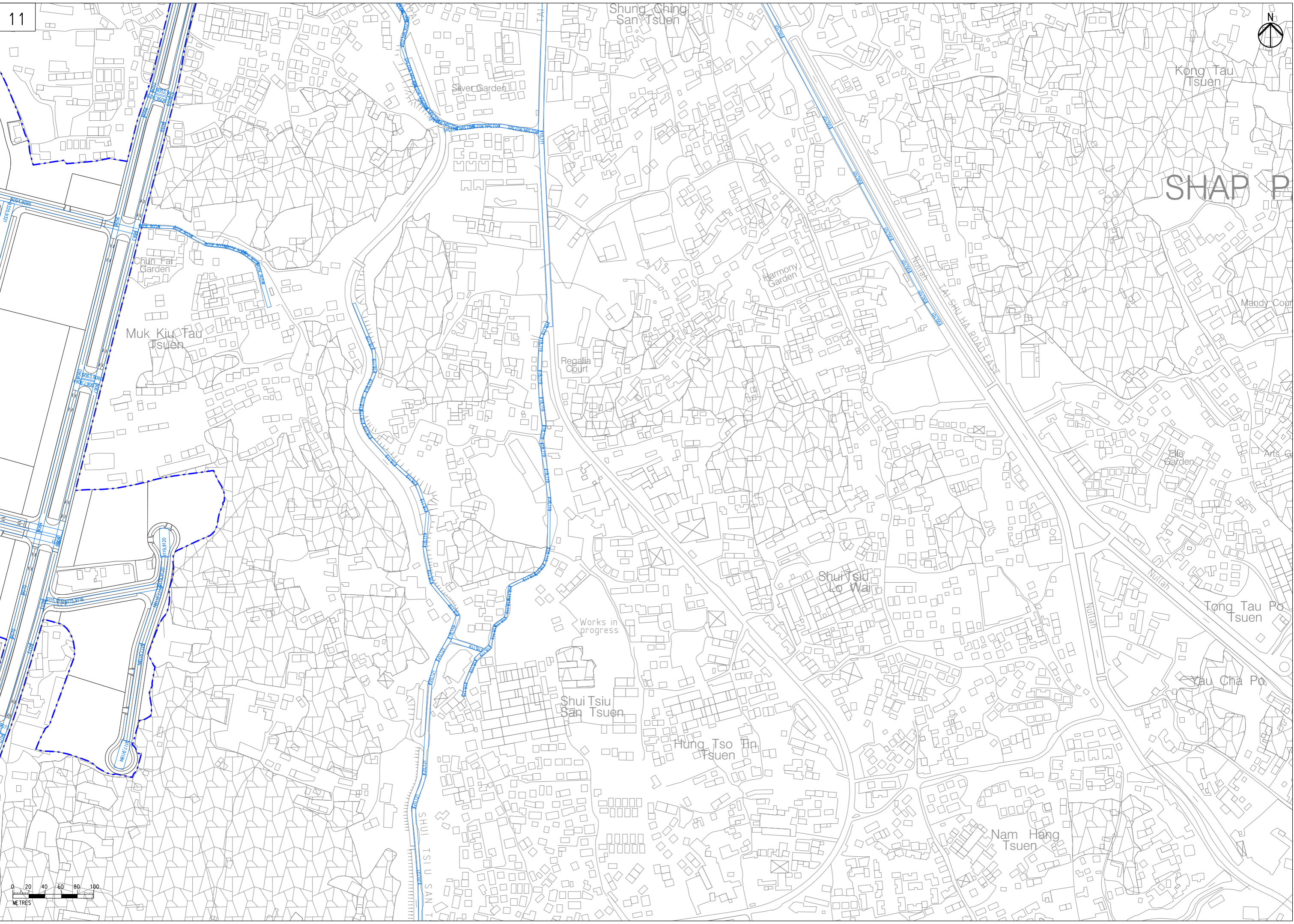


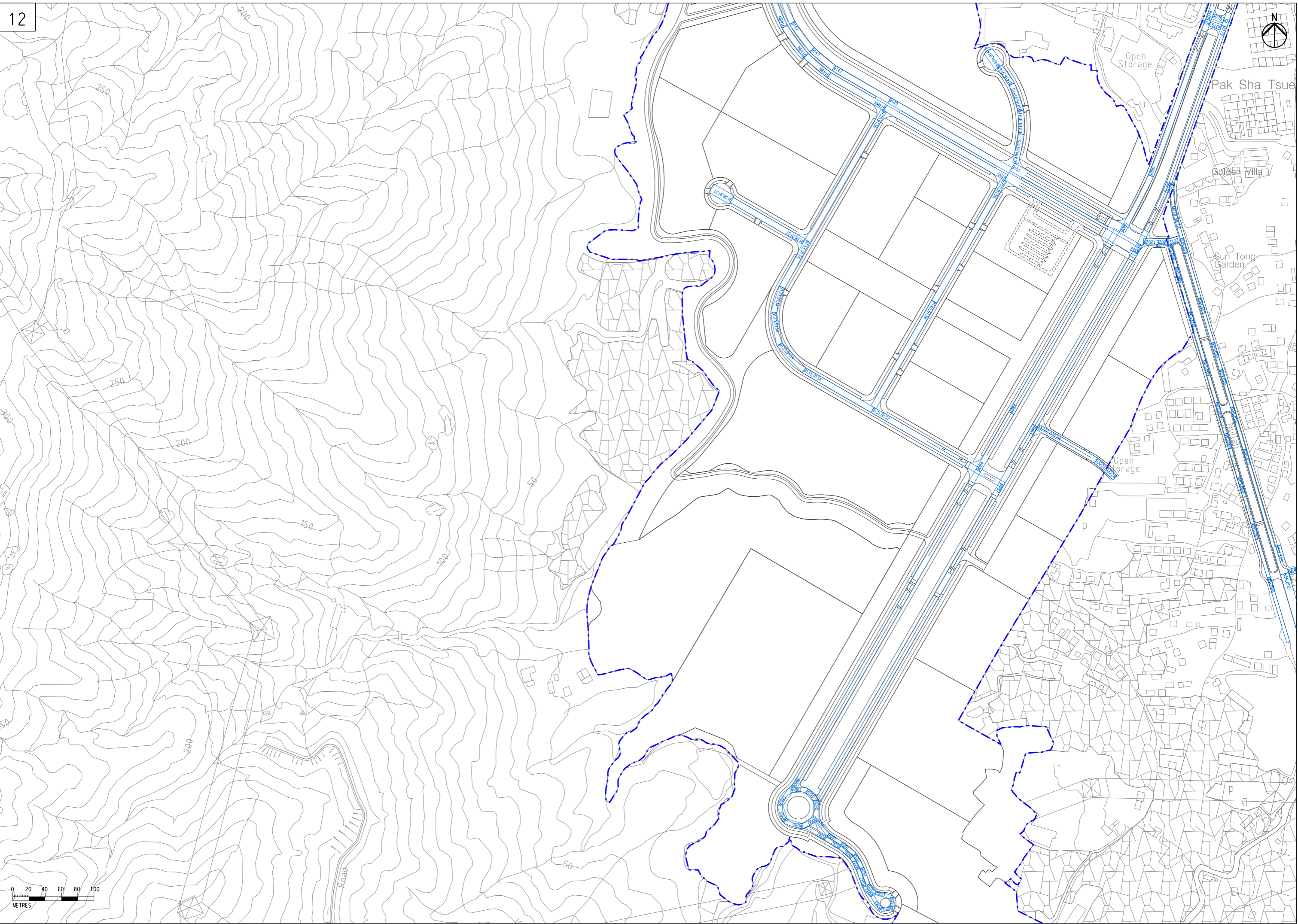




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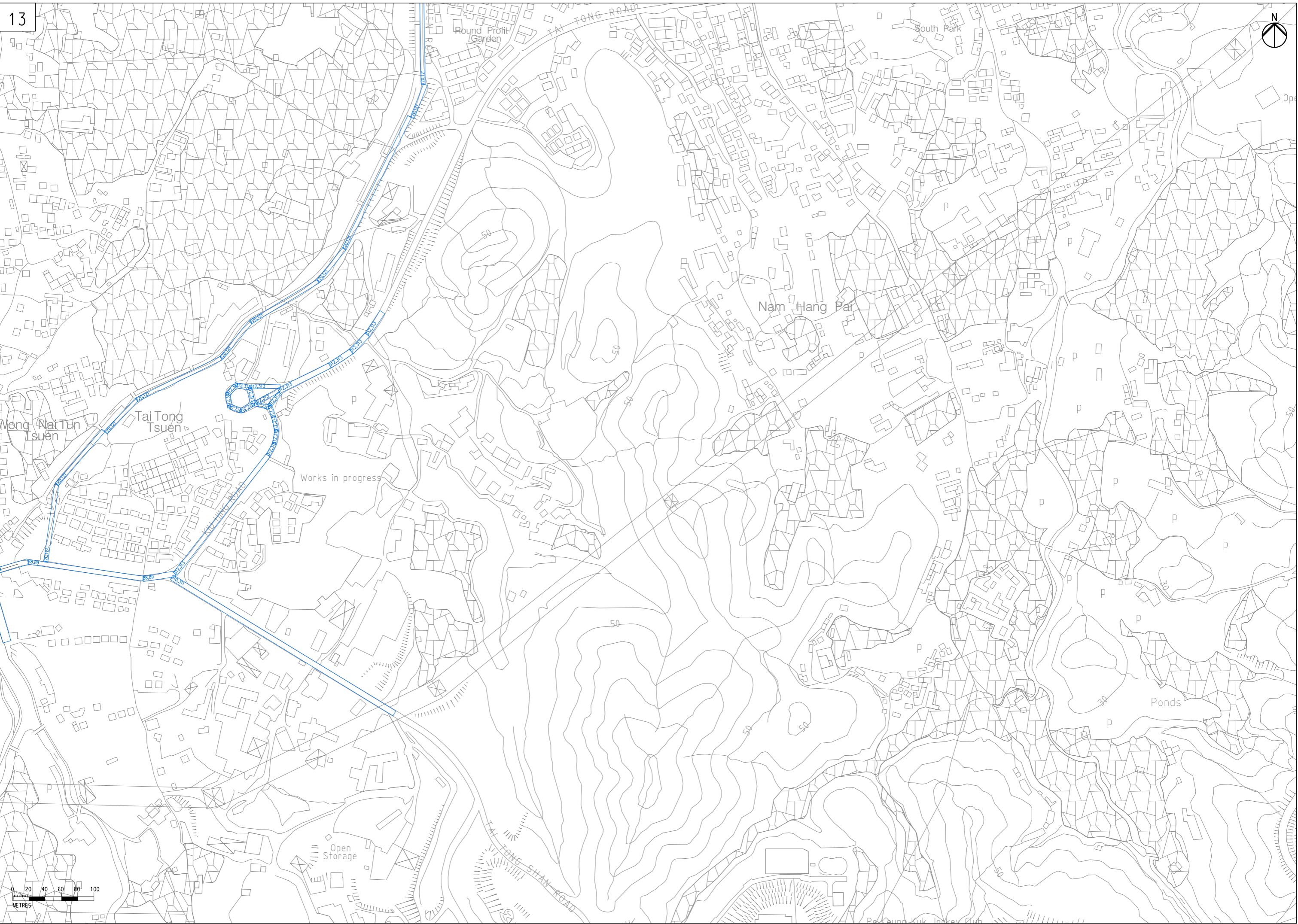
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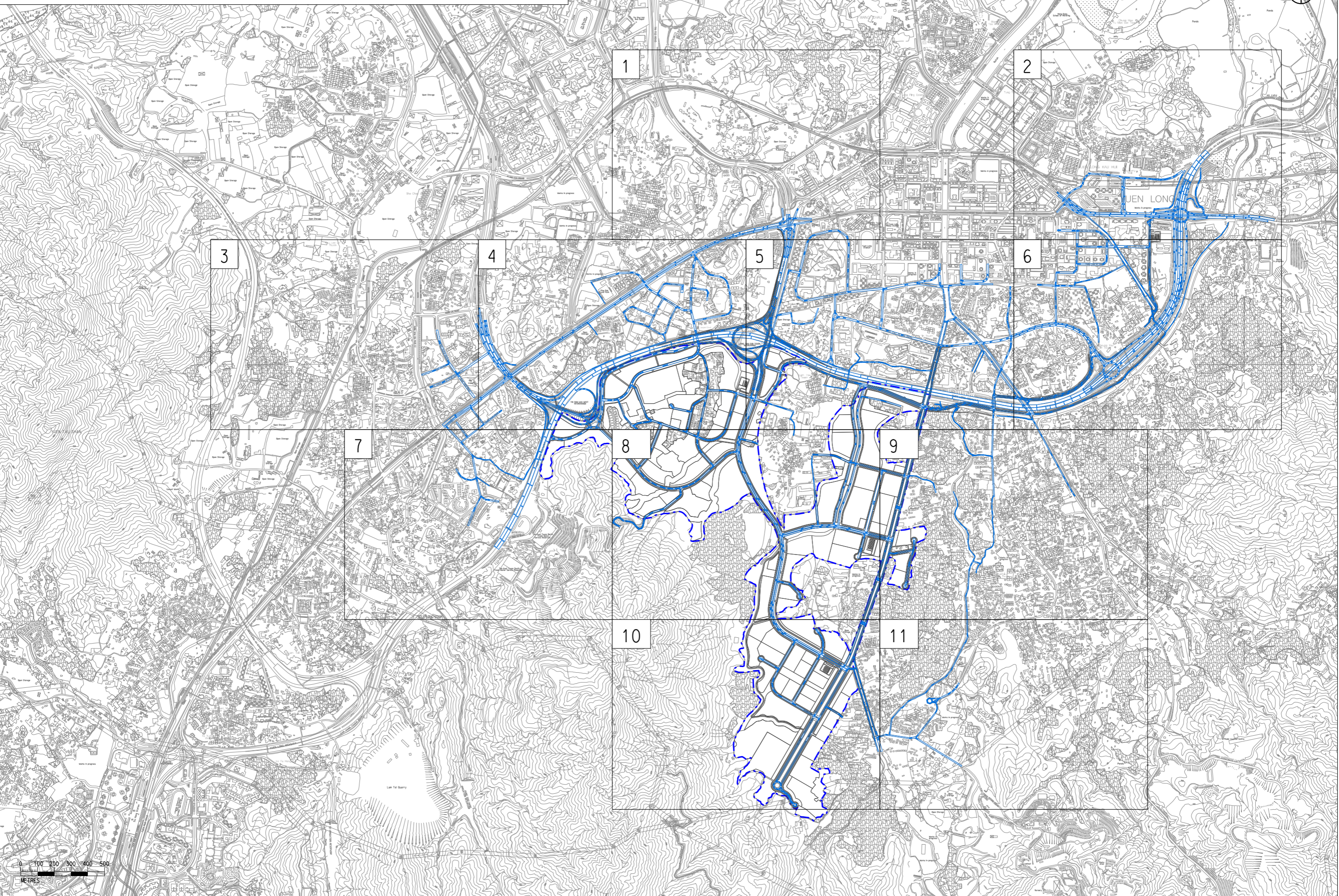




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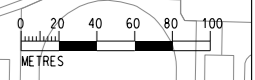
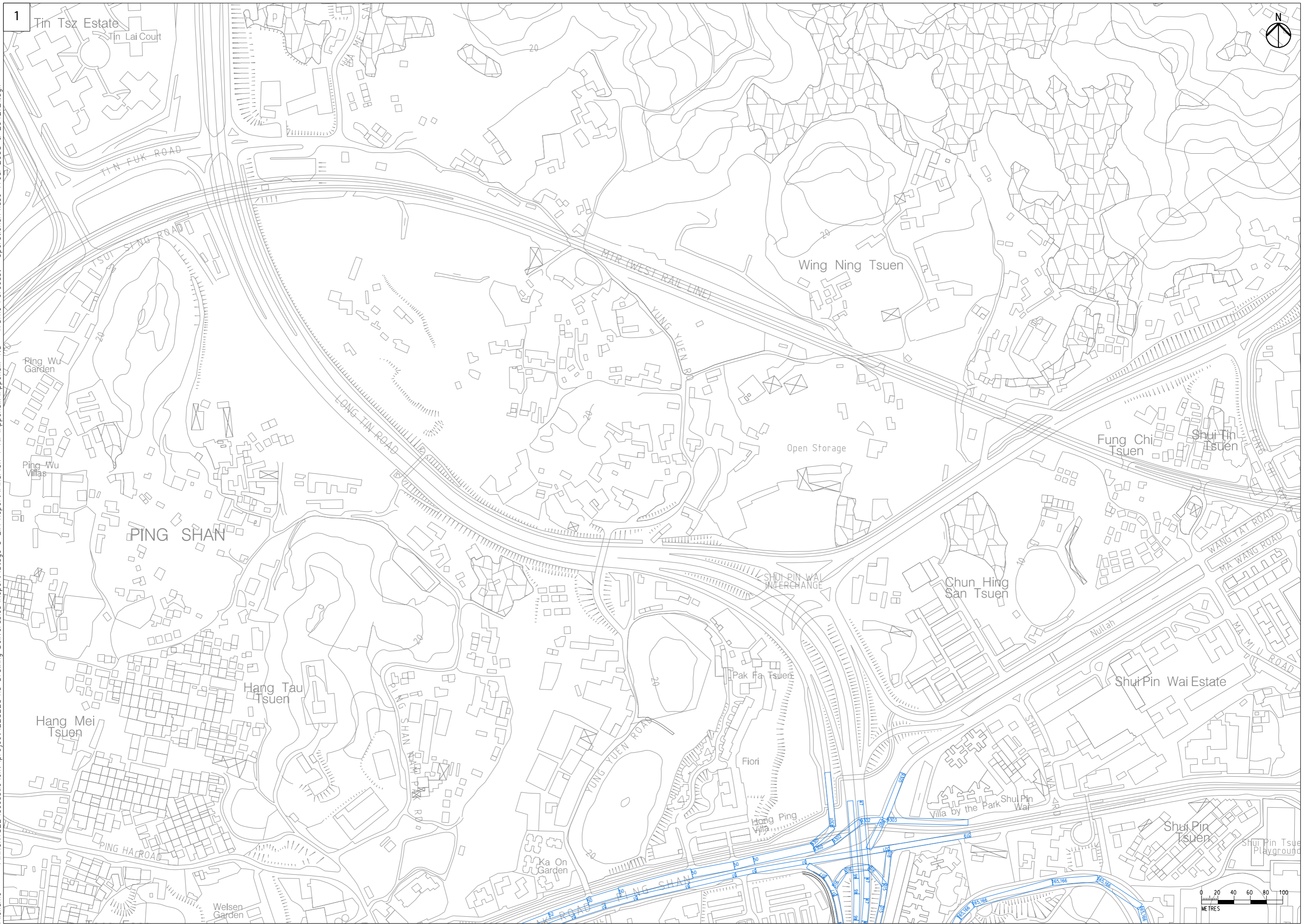


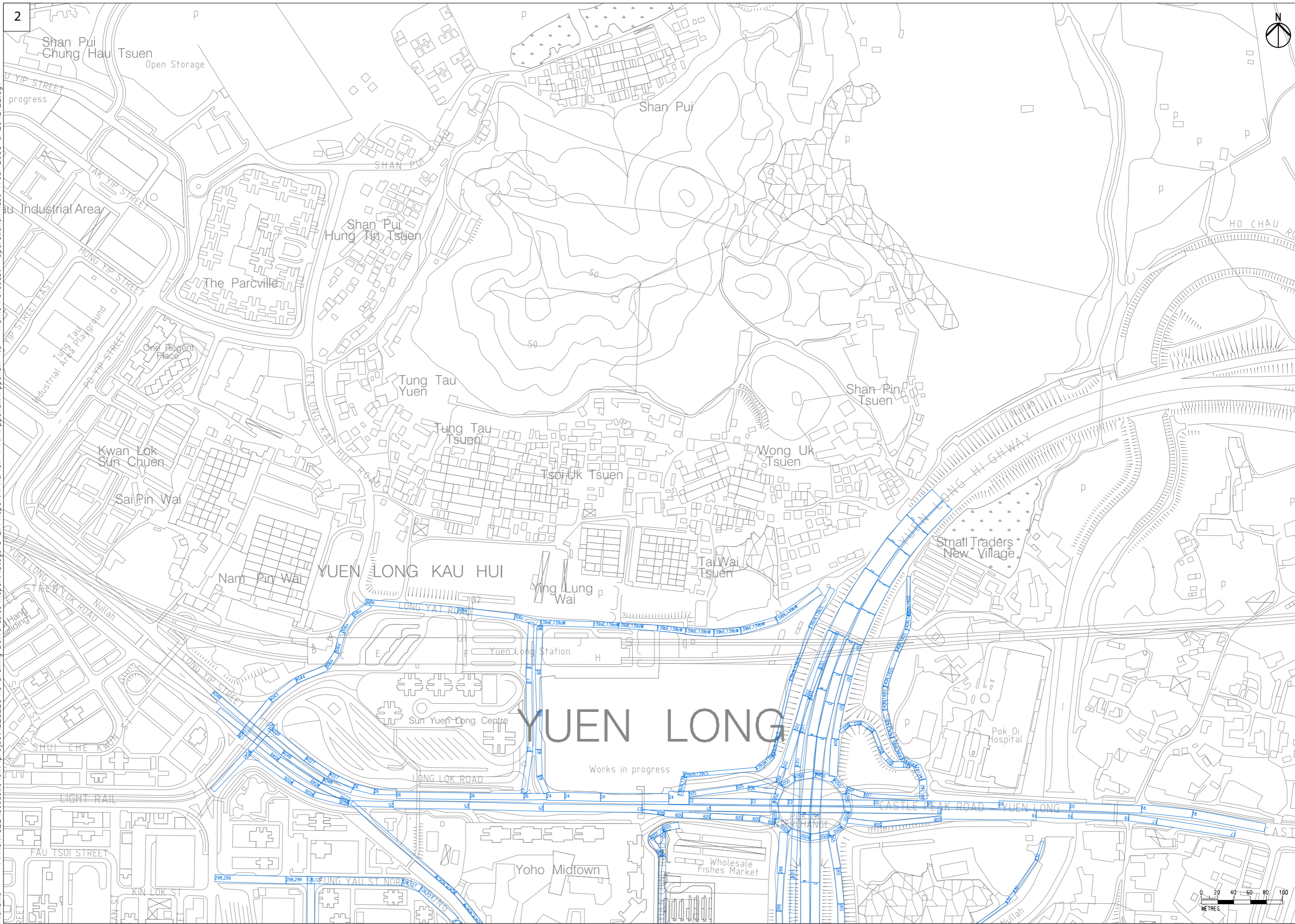
Appendix 4.8 Traffic Forecast - Operational Phase (Year 2038 & 2042)



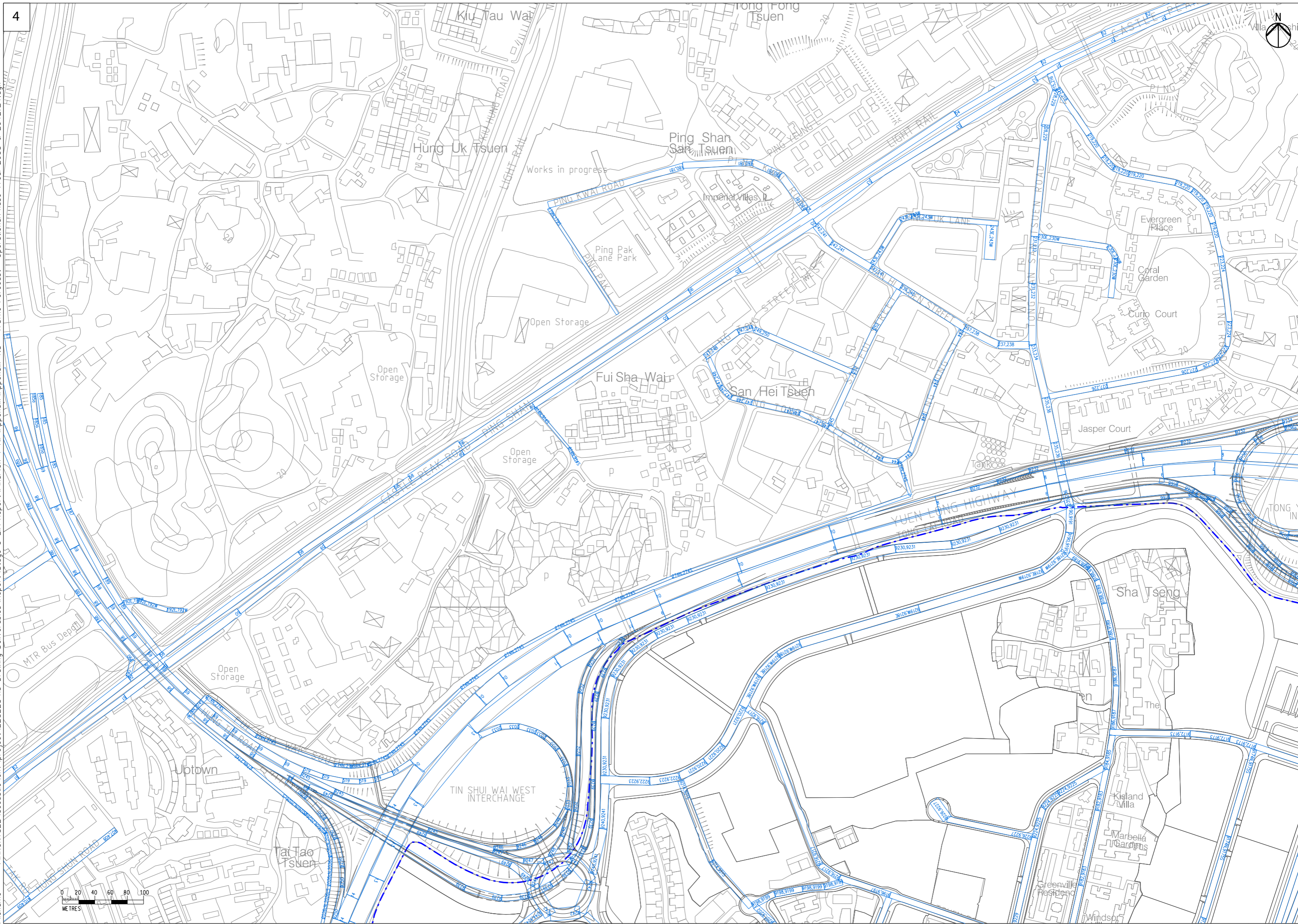
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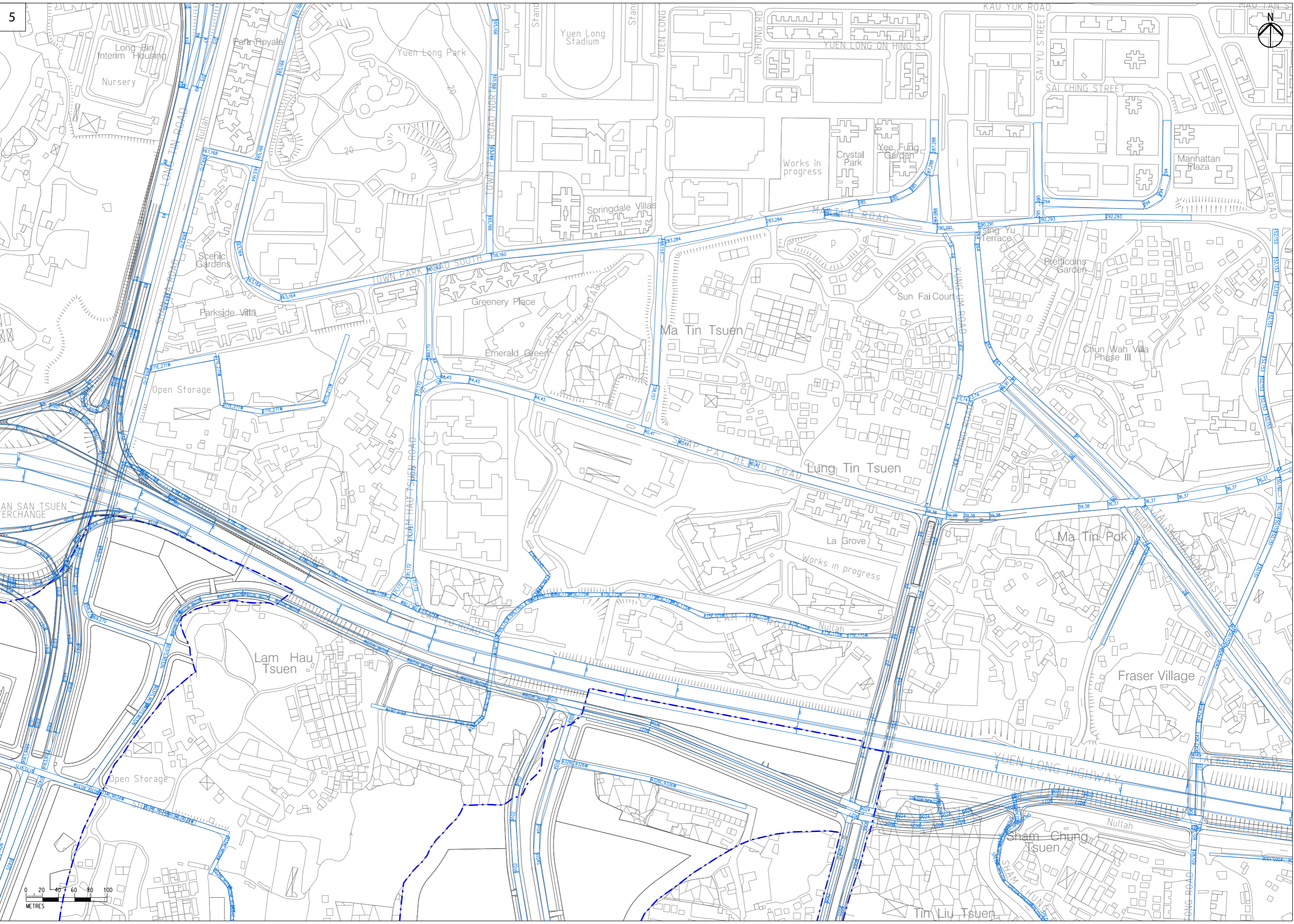








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Long Bin Interim Housing
Nursery

Park Royale
Yuen Long Park

Yuen Long Stadium

Springdale Villas

Works in progress

Crystal Park
Yee Fung Garden

Manhattan Plaza

Scenic Gardens

Parkside Villa

Greenery Place

Emerald Green

Ma Tin Tsuen

Sun Fai Court

Chun Wah Villa Phase III

Open Storage

Lung Tin Tsuen

AN SAN TSUEN EXCHANGE

La Grove

Works in progress

Ma Tin Pok

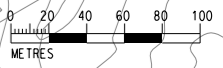
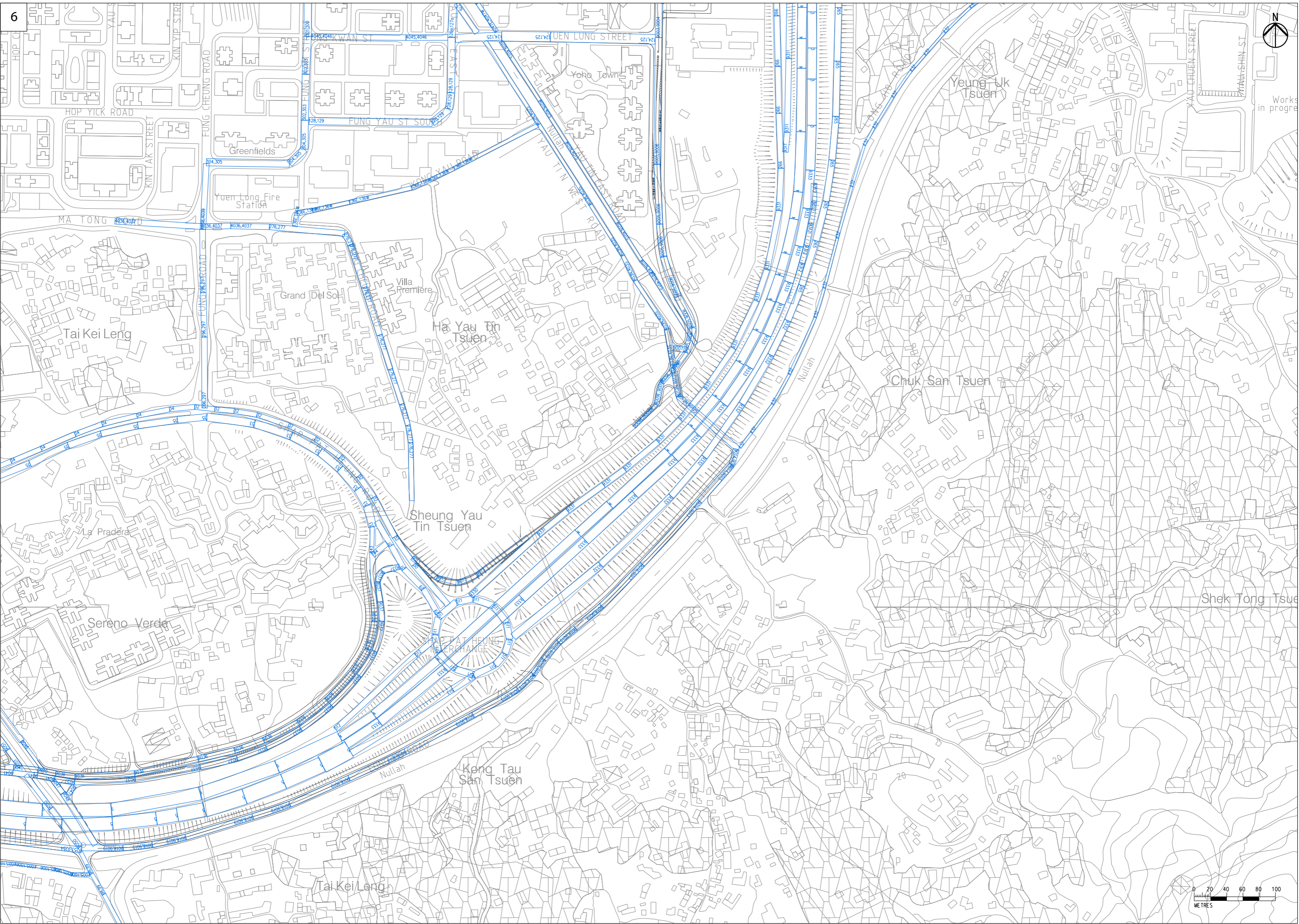
Lam Hau Tsuen

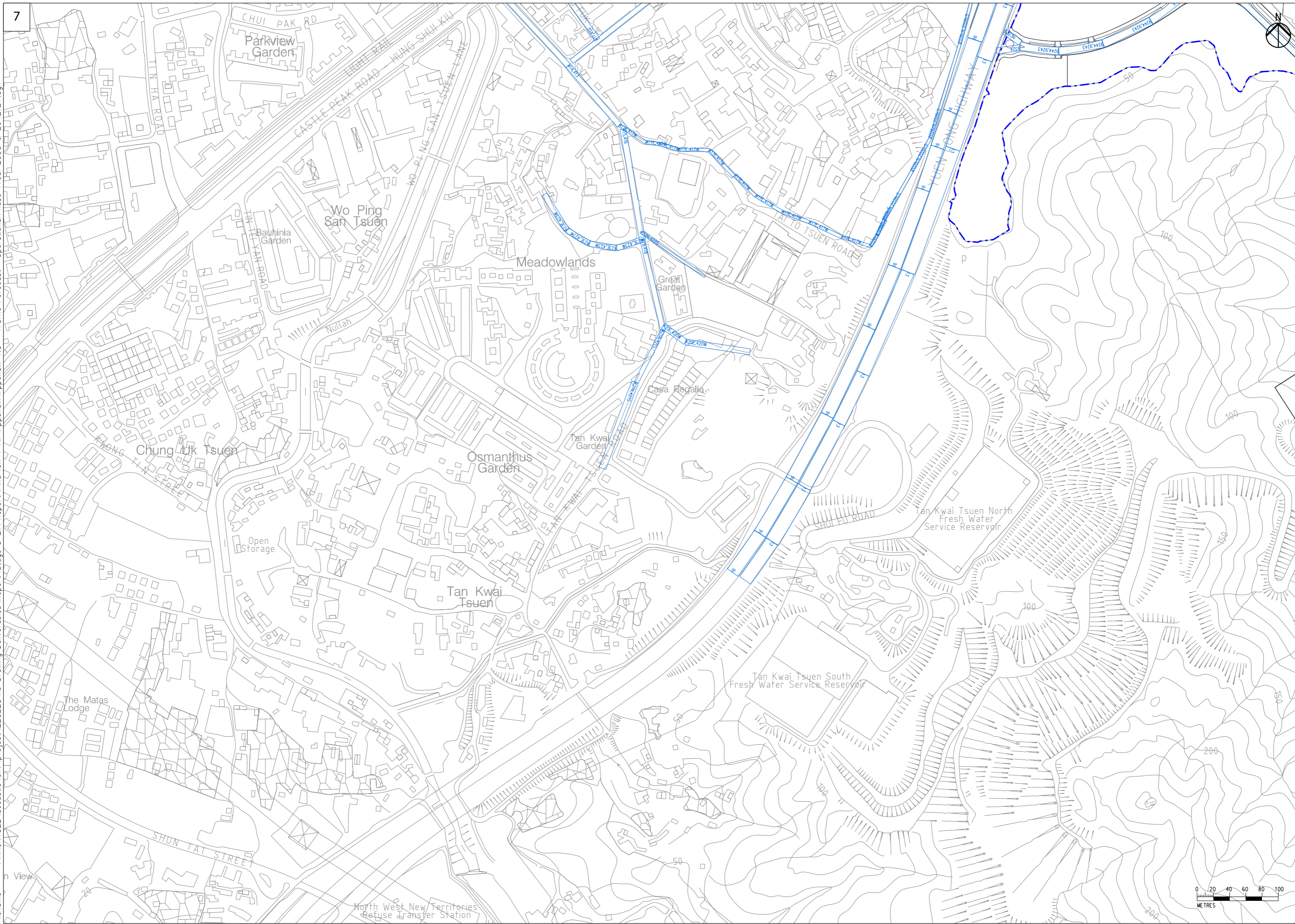
Fraser Village

Open Storage

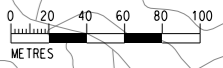
Sham Chung Tsuen

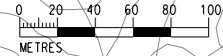
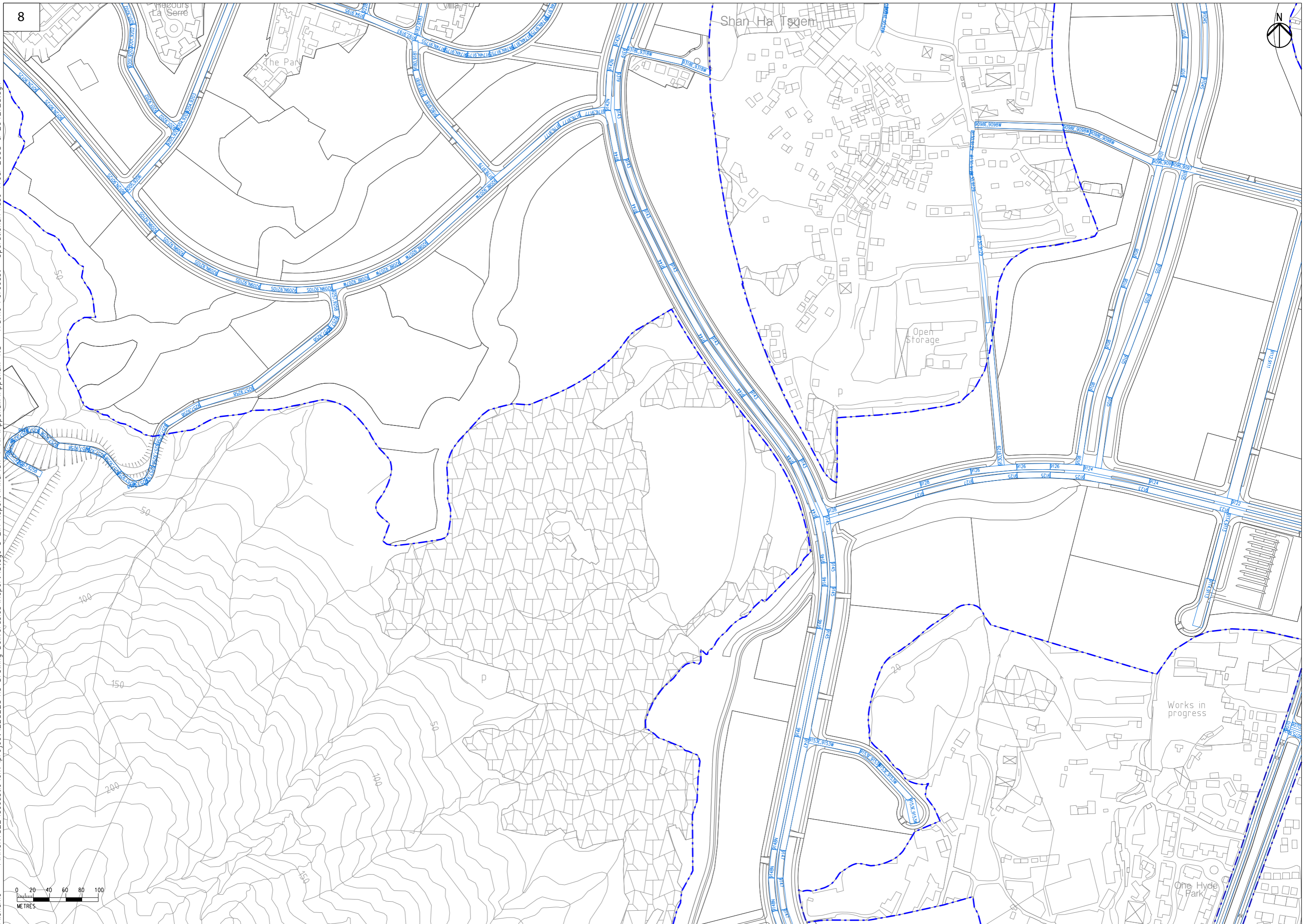
Tin Liu Tsuen

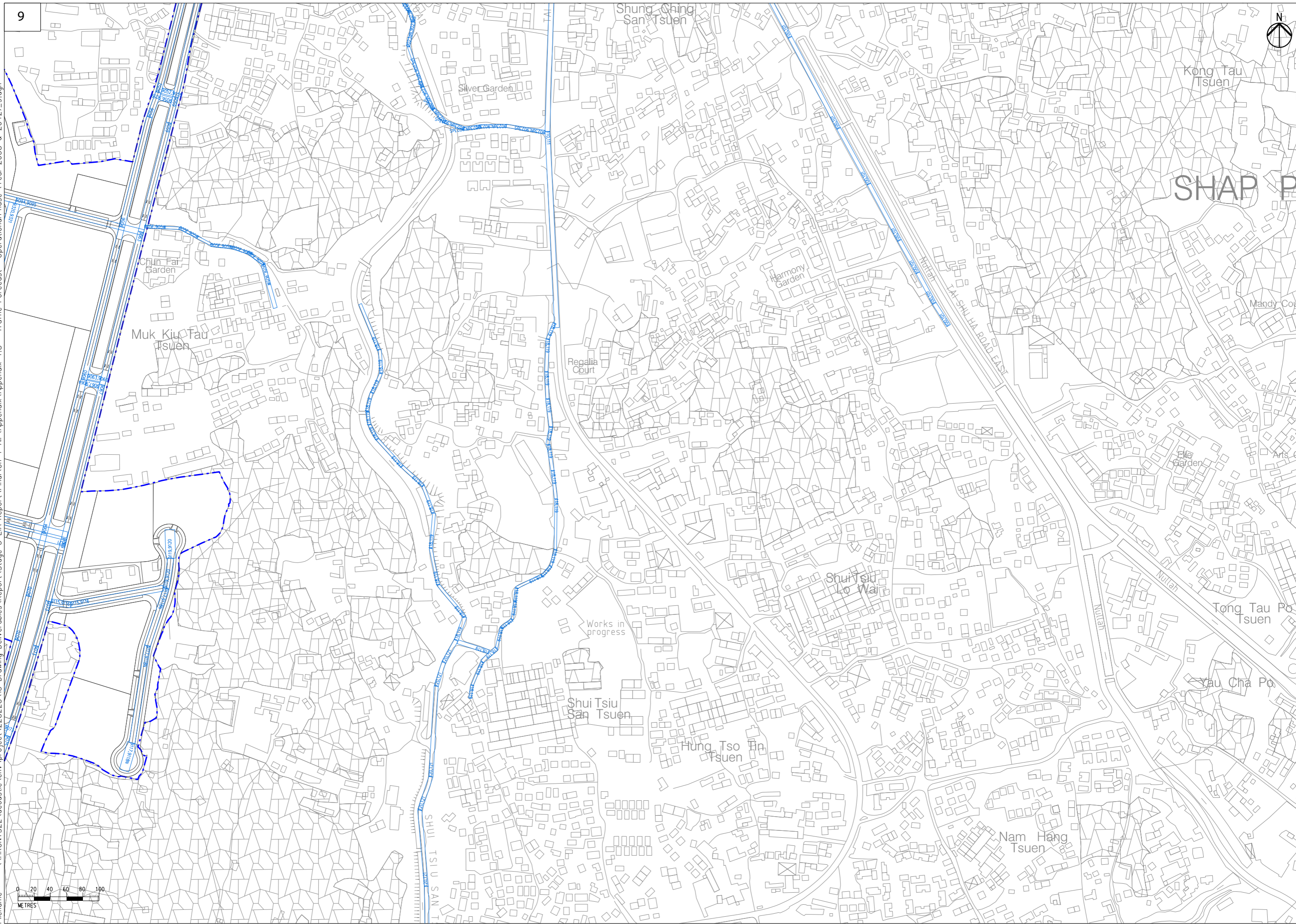




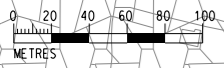
North West New Territories
Refuse Transfer Station

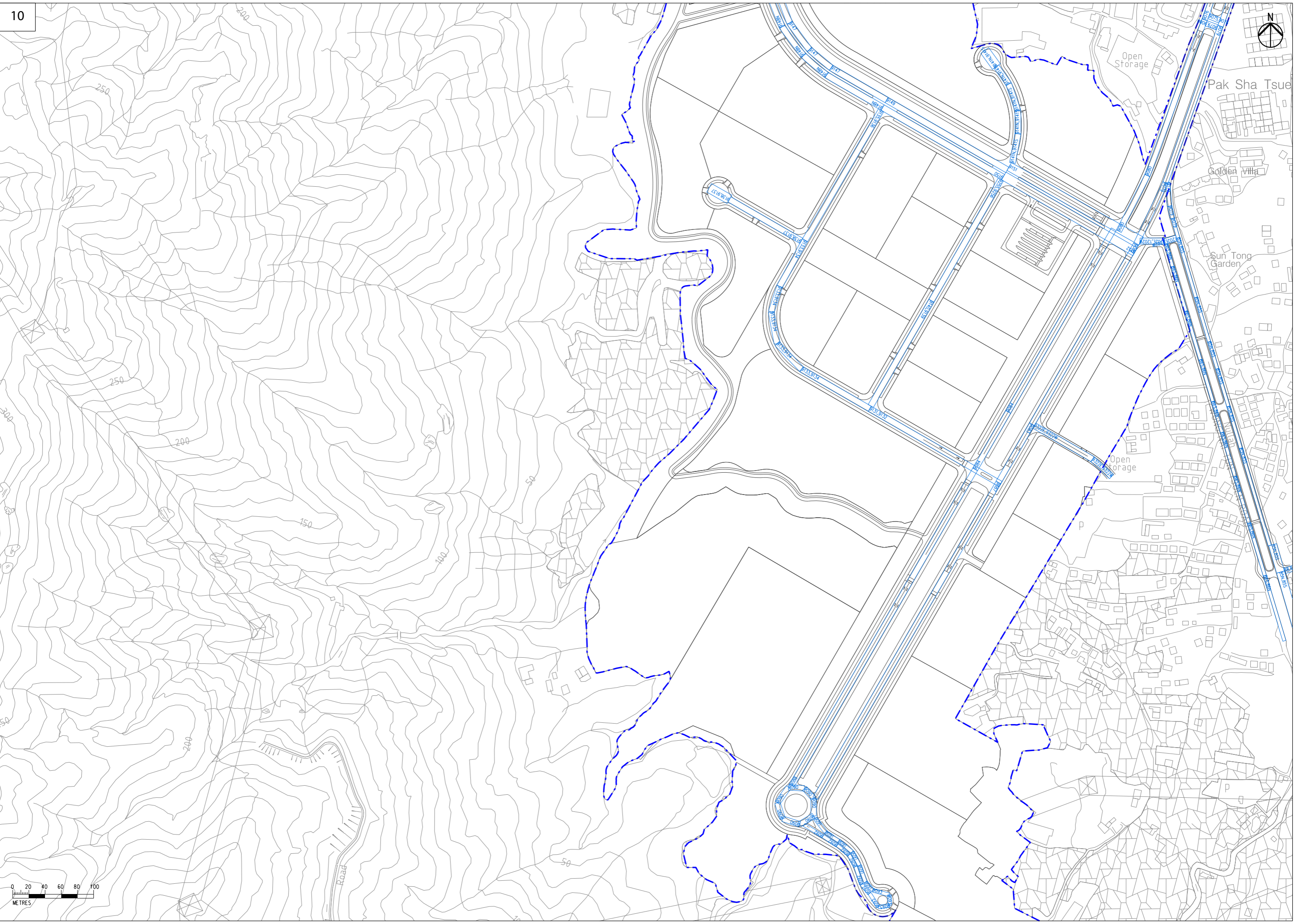






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Filename : \\HGNTS22\acoustic\env\project\228228\13 Drawing Deliverables\Report\Stage 3 EIA Report\Final\Ch 4 Air Appendix Appendix 4.8 - Traffic Forecast - Operational Phase (Year 2038 & 2042) - 11.dgn

