




Preliminary Road Traffic Noise Assessment for Road Improvement Works (Sheet 1 of 3)

- Legend**
-  Road Improvement Works (Shun Lee Tsuen Road)
 -  Assessment Point
 -  Flow ID

Project: **Number** 227724-50
Title ARQ

Calculation of Road Traffic Noise
 UK Department of Transport 2000

Spreadsheet to check RoadNoise results
 This sheet printed: 14-Feb-14

Includes the following corrections: **-1.0** Impervious road surface
2.5 Facade effect

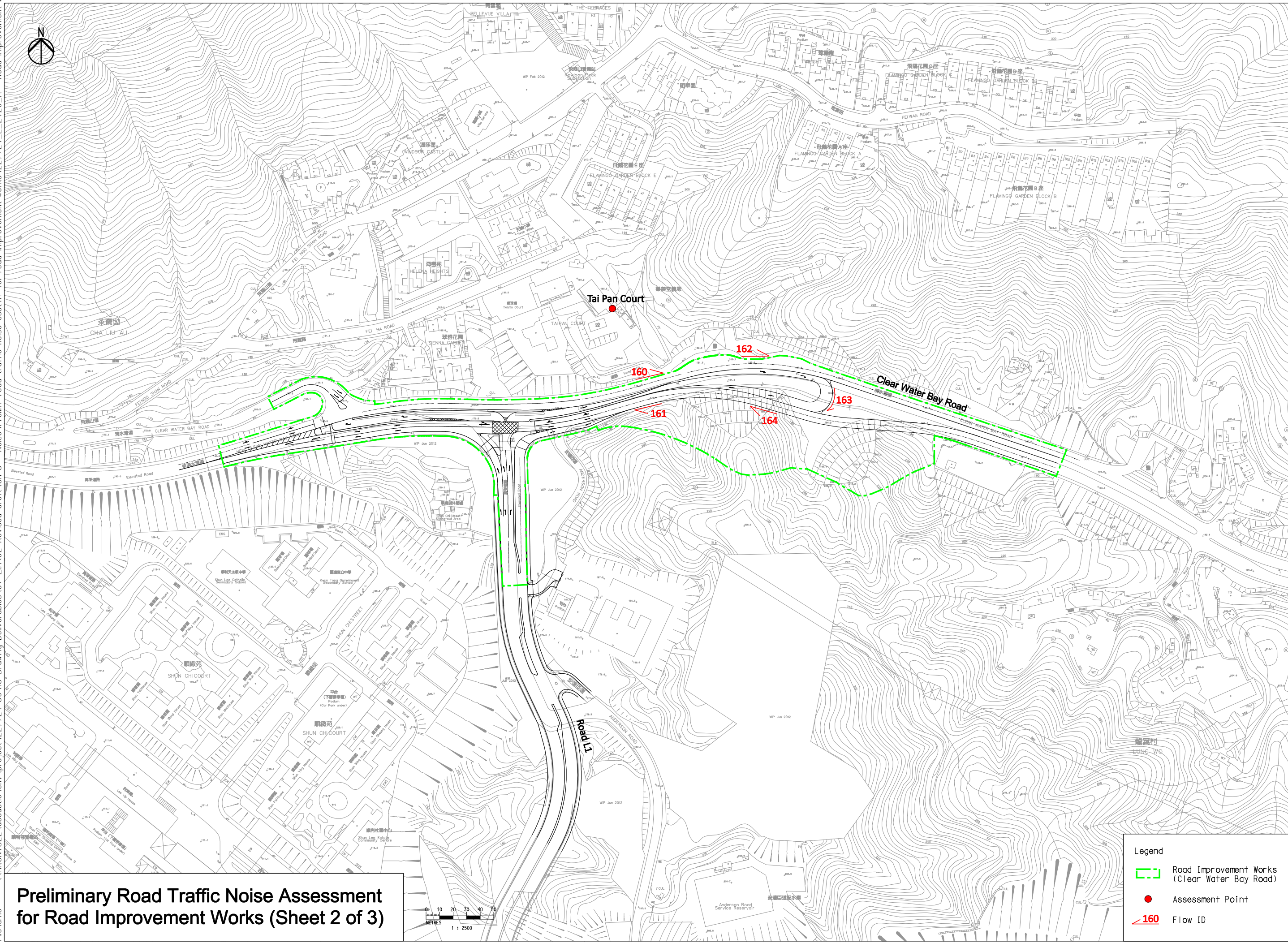
NB: If link has pervious surfacing, enter -2.5 in 'Pervious' column

NB: Includes change in velocity based on gradient and proportion of heavy vehicles. If specific projected speeds are used, disable this function

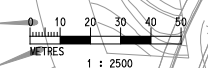
NB: Does not include soft ground correction.

NSR ID:	Disciplined Services Quarter Block 5	Total dB(A)
Elevation (m PD):	131.8	78.3
Floor Level:	1/F	

Link	Flow (veh/hr)	% HGV	Speed (km/h)	% Gradient	Horiz Dist (m)	Vert Dist (m)	AoV (deg)	Refl (deg)	Impervious	BNL dB(A)	FNL dB(A)
1	1760	35.8%	70	0.0%	46	37	180	0	-1.0	74.7	74.5
8	908	36.9%	50	0.0%	28	37	180	0	-1.0	71.8	71.6
154	1665	36.9%	50	0.0%	35	37	180	0	-1.0	74.4	73.8



Preliminary Road Traffic Noise Assessment for Road Improvement Works (Sheet 2 of 3)



- Legend**
- Road Improvement Works (Clear Water Bay Road)
 - Assessment Point
 - Flow ID

Project: **Number** 227724-50
Title ARQ

Calculation of Road Traffic Noise

UK Department of Transport 2000

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-1.0 Impervious road surface
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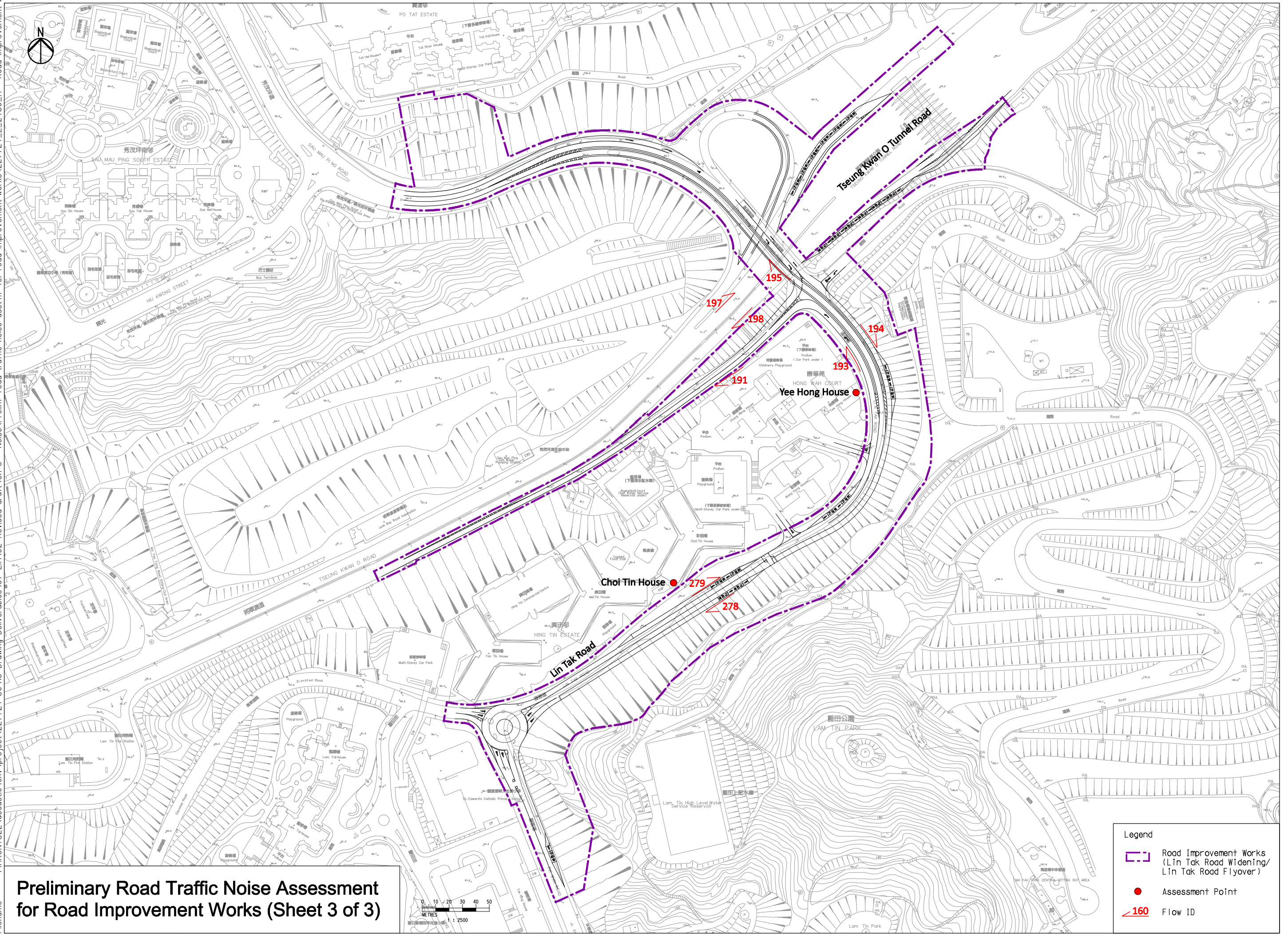
NB: Includes change in velocity based on gradient and proportion of heavy vehicles. If specific projected speeds are used, disable this function

NB: Does not include soft ground correction.

NSR ID: Tai Pan Court
Elevation (m PD): 178.2
Floor Level: G/F




Total dB(A)
75.6

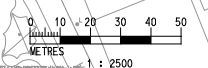
Link	Flow (veh/hr)	% HGV	Speed (km/h)	% Gradient	Horiz Dist (m)	Vert Dist (m)	AoV (deg)	Refl (deg)	Impervious	BNL dB(A)	FNL dB(A)
160	1323	28.4%	50	0.0%	57	16	75	0	-1.0	73.4	67.5
161	1894	28.4%	50	0.0%	67	16	212	0	-1.0	75.0	72.9
162	1323	28.4%	50	0.0%	37	11	85	0	-1.0	73.4	69.7
164	1894	28.4%	50	0.0%	36	13	9	0	-1.0	75.0	61.5
163a	198	28.4%	50	0.0%	40	11	16	0	-1.0	65.2	54.0
163b	198	28.4%	50	0.0%	110	9	6	0	-1.0	65.2	45.7
163c	198	28.4%	50	0.0%	38	13	9	0	-1.0	65.2	51.7



Preliminary Road Traffic Noise Assessment for Road Improvement Works (Sheet 3 of 3)

Legend

-  Road Improvement Works (Lin Tak Road Widening/ Lin Tak Road Flyover)
-  Assessment Point
-  160 Flow ID



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Title ARQ

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2.5 Facade effect

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 NB: Does not include soft ground correction.

NSR ID: Yee Hong House
Elevation (m PD): 89.4
Floor Level: 1/F

Total dB(A)
77.7

Link	Flow (veh/hr)	% HGV	Speed (km/h)	% Gradient	Horiz Dist (m)	Vert Dist (m)	AoV (deg)	Refl (deg)	Impervious	BNL dB(A)	FNL dB(A)
193	445	35.8%	50	0.0%	16	6	180	0	-1.0	68.7	72.3
194	500	35.8%	50	0.0%	27	6	180	0	-1.0	69.2	70.8
191	2032	36.9%	50	0.0%	72	26	90	0	-1.0	75.3	70.0
197	1324	28.4%	70	0.0%	135	31	90	0	-1.0	73.4	66.0
198	2713	28.4%	70	0.0%	96	30	90	0	-1.0	76.5	70.5
195	308	35.8%	50	0.0%	21	6	180	0	-1.0	67.1	69.6

Note: the raw traffic flow of 193 included 195

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NB: Does not include soft ground correction.

NSR ID:	Choi Tin House	Total dB(A)
Elevation (m PD):	98.6	75.3
Floor Level:	1/F	

Link	Flow (veh/hr)	% HGV	Speed (km/h)	% Gradient	Horiz Dist (m)	Vert Dist (m)	AoV (deg)	Refl (deg)	Impervious	BNL dB(A)	FNL dB(A)
278	430	35.8%	50	0.0%	24	6	180	0	-1.0	68.5	70.6
279	683	35.8%	50	0.0%	19	6	180	0	-1.0	70.5	73.5