

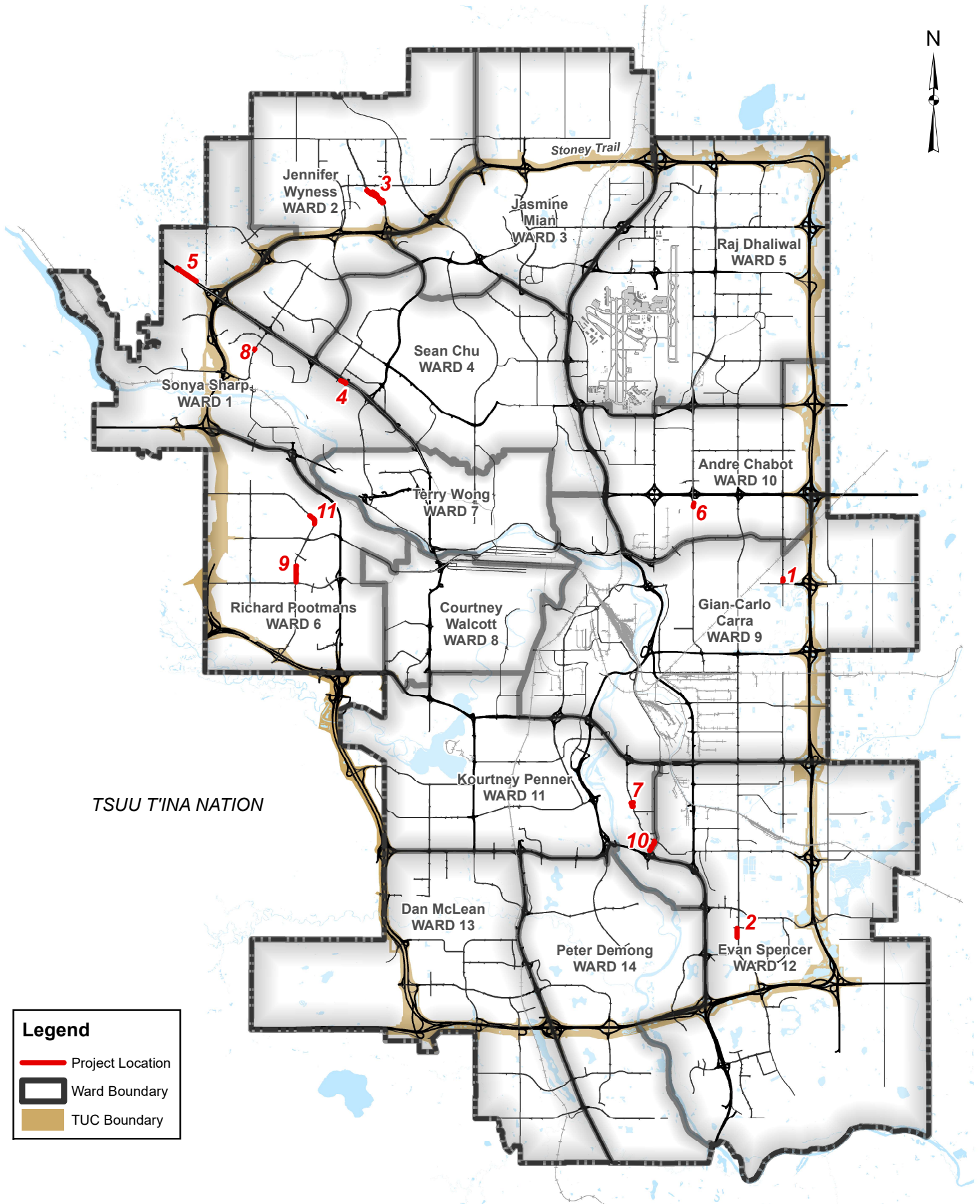
2023 - 2026 NOISE BARRIER RETROFIT PROGRAM PRIORITIZED LIST

Project Number	LOCATION	Design Year Noise Levels dB(A)-L10	Proposed Height of Wall	Proposed Length of Wall	Estimated Cost (2022 \$)	Benefiting Dwelling Units	Dwelling Units Exceeding Criteria	Benefit / Cost Ratio*
1	68 Street S.E. <i>(East side)</i> North of 16 Avenue S.E. to 15 Avenue S.E.	70	3.0m	80m	\$140,000	5	5	1.52
2	52 Street S.E. <i>(West side)</i> North of Prestwick Avenue S.E. to Prestwick Gate S.E.	66 - 69	3.0m	330m	\$600,000	29	17	0.90
3	Shaganappi Trail N.W. <i>(Both sides)</i> South of Sherwood Gate N.W. to north of Kincora Gate N.W.	65 - 71	2.0m - 6.0m	1110m	\$3,130,000	80	63	0.84
4	Crowchild Trail N.W. <i>(South side)</i> East of 53 Street N.W.	66 - 75	4.0m - 4.6m	225m	\$550,000	14	12	0.61
5	Crowchild Trail N.W. <i>(North side)</i> West of Stoney Trail N.W.	66 - 73	3.0m - 4.6m	880m	\$2,360,000	20	20	0.27
6	36 Street N.E. <i>(East side)</i> North of Marbank Drive N.E.	65 - 71	2.6m - 3.0m	130m	\$220,000	3	2	0.25
7	18 Street S.E. <i>(Both sides)</i> South of Riverview Circle S.E.	Leq (24) 60 - 63	1.8m - 2.6m	310m	\$480,000	16	8	0.19
8	Nose Hill Drive N.W. <i>(West side)</i> North of Scenic Acres Gate N.W.	Leq (24) 61	3.0m	30m	\$50,000	1	1	0.15
9	69 Street S.W. <i>(East side)</i> North of 17 Avenue S.W. to 100 Christie Knoll Heights S.W.	65 - 70	1.8m - 3.2m	540m	\$880,000	27	10	0.12
10	24 Street S.E. <i>(West side)</i> North of Deerfoot Trail S.E. to Douglas Glen Gate S.E.	65 - 68	3.6m	390m	\$840,000	24	7	0.09
11	Old Banff Coach Road S.W. <i>(West side)</i> North of Coach Hill Rd. S.W. to Patterson Blvd S.W.	65 - 66	3.6m	380m	\$830,000	21	2	0.02

Design noise level criteria for roadways designated as truck routes is L10 65 decibels

Design noise level criteria for roadways designated as non-truck routes is Leq (24) 60 decibels

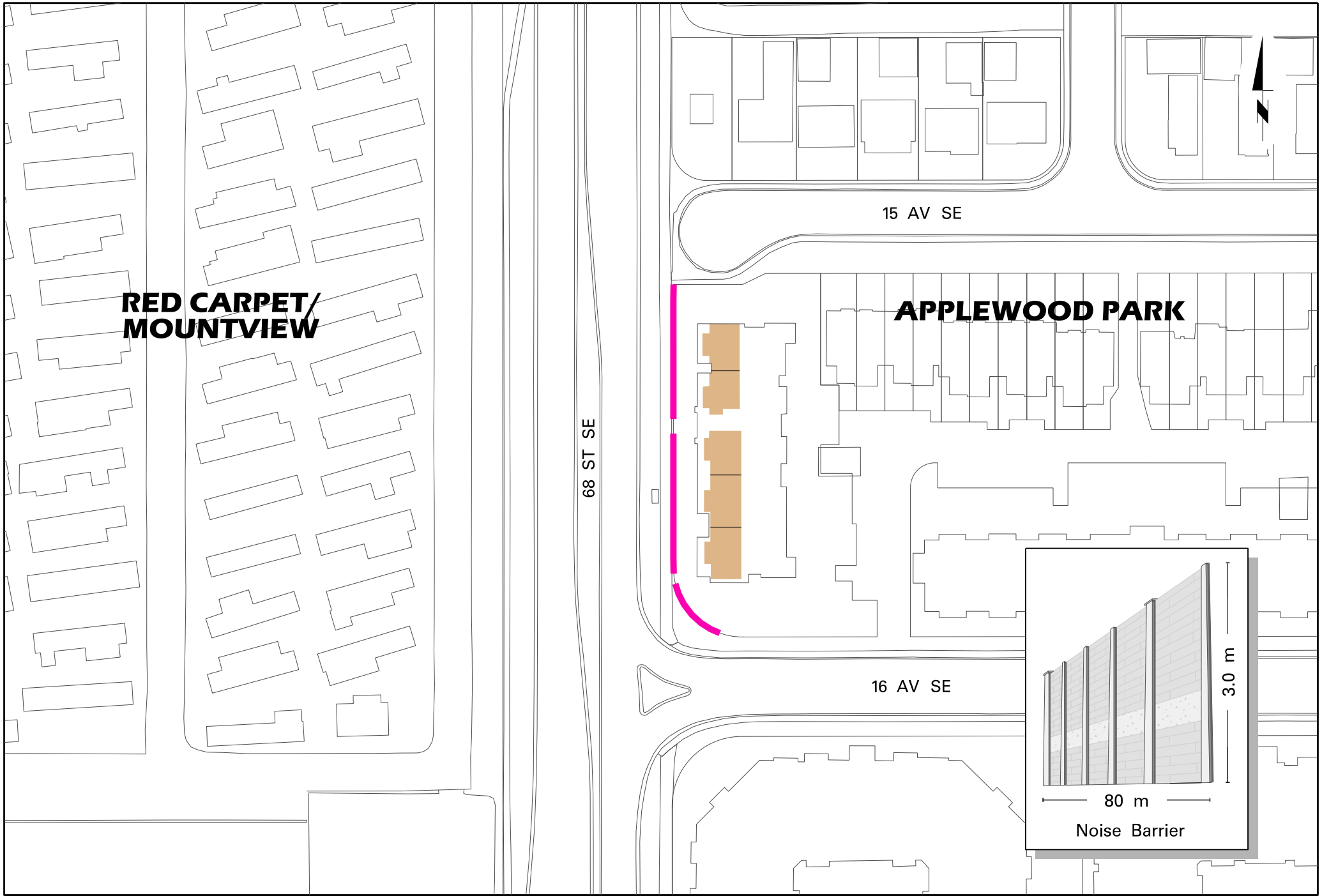
*Benefit/Cost Ratio calculation: severity of the noise problem, amount of noise reduction, cost of attenuation and number of dwelling units exceeding criteria



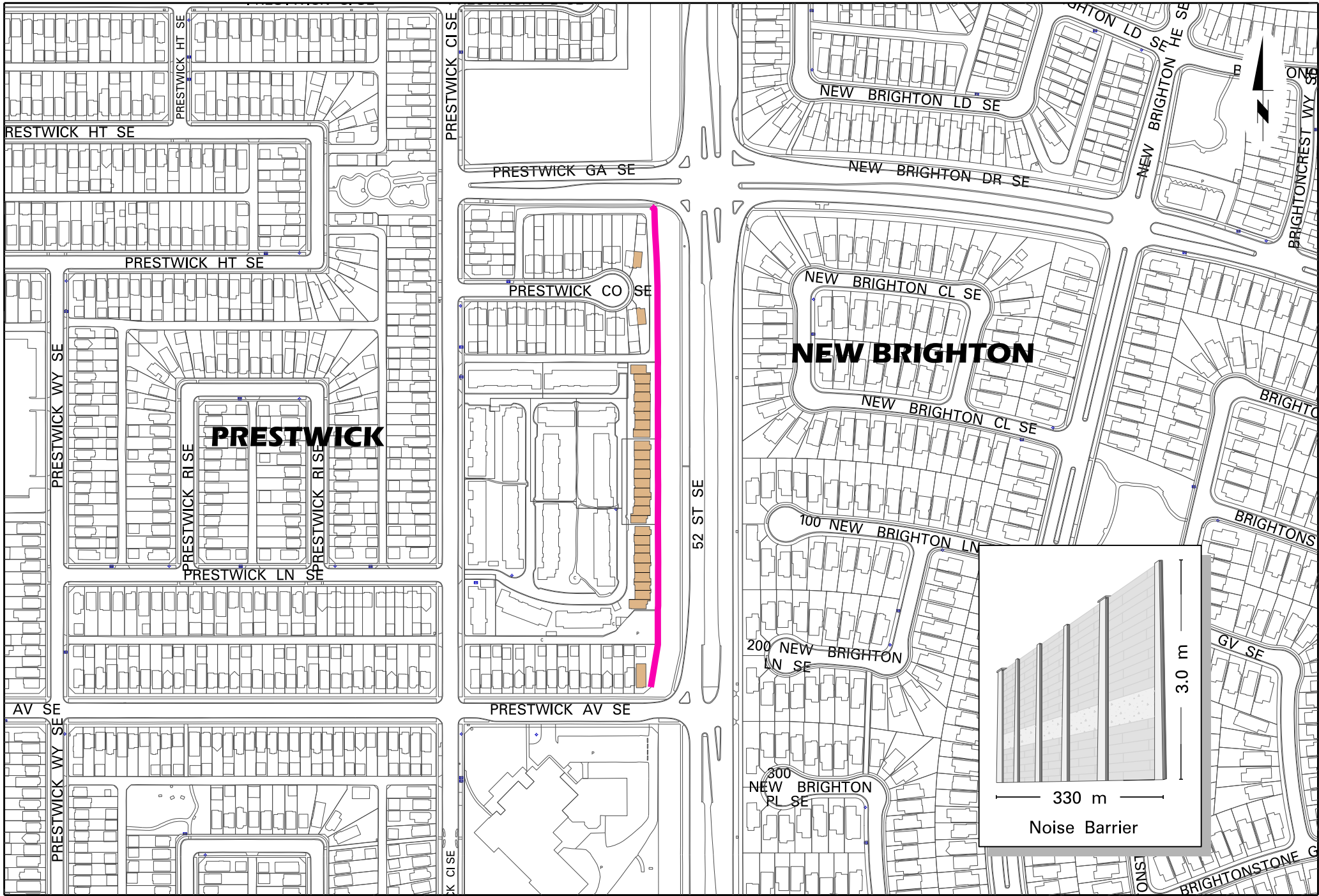
TSUU T'INA NATION

Legend

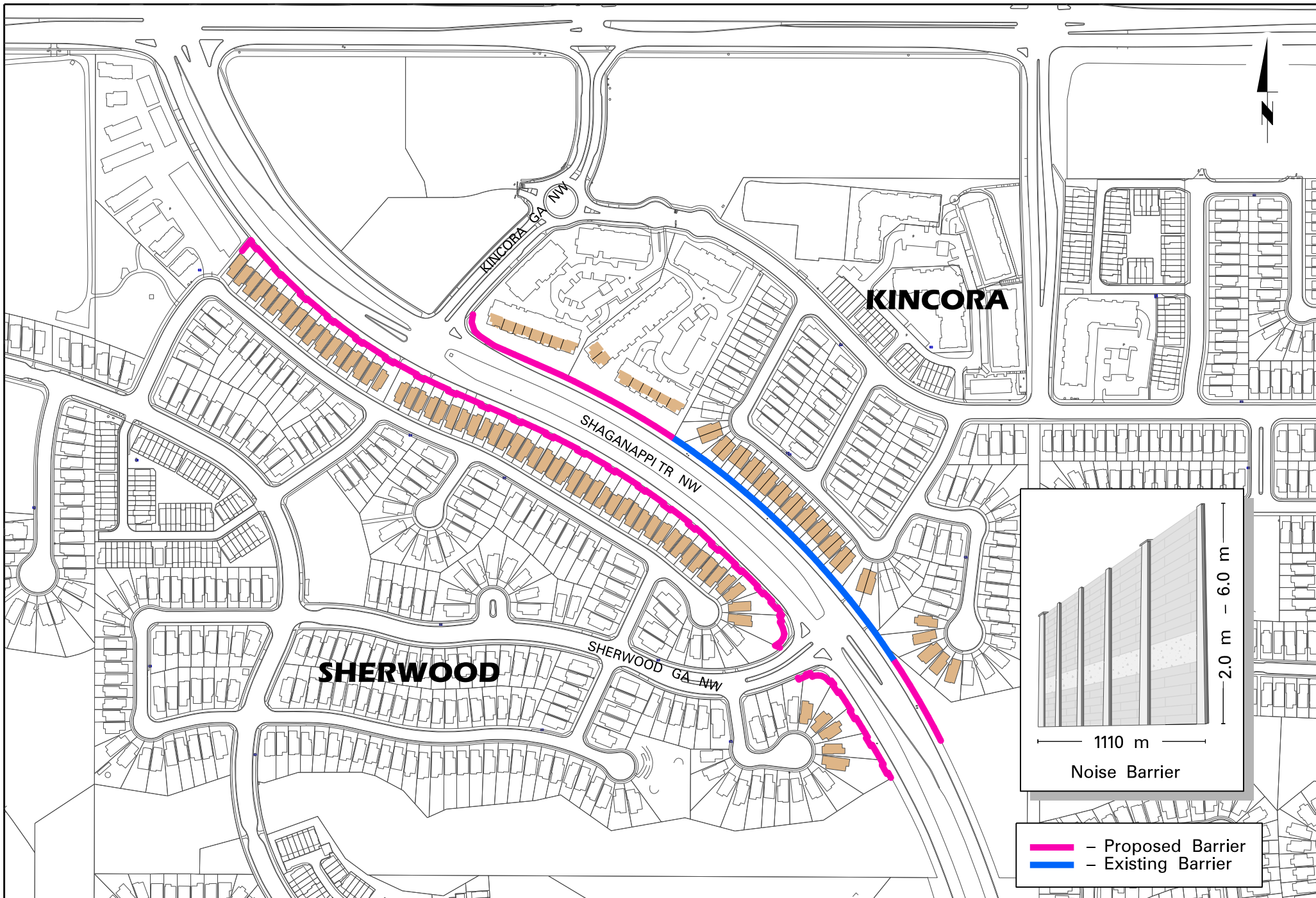
- Project Location
- Ward Boundary
- TUC Boundary



Location: 68 Street SE (East Side) North of 16 Avenue SE to 15 Avenue SE	2022 Ranking 1	Projected Noise Level Without New Barrier 70 dB(A)	Estimated Cost (2022 \$) \$140,000	Benefit /Cost Ratio 1.52	 
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Location: 52 STREET SE (West Side) <i>North of Prestwick AV SE to Prestwick GA SE</i>	2022 Ranking 2	Projected Noise Level Without New Barrier 66 – 69 dB(A)	Estimated Cost (2022 \$) \$600,000	Benefit /Cost Ratio 0.90	
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Location:

SHAGANAPPI TRAIL NW (Both Sides)
S. of Sherwood GA NW to N. of Kincora GA NW

2022
Ranking

3

Projected Noise Level
Without New Barrier

65 – 71 dB(A)

Estimated Cost
(2022 \$)

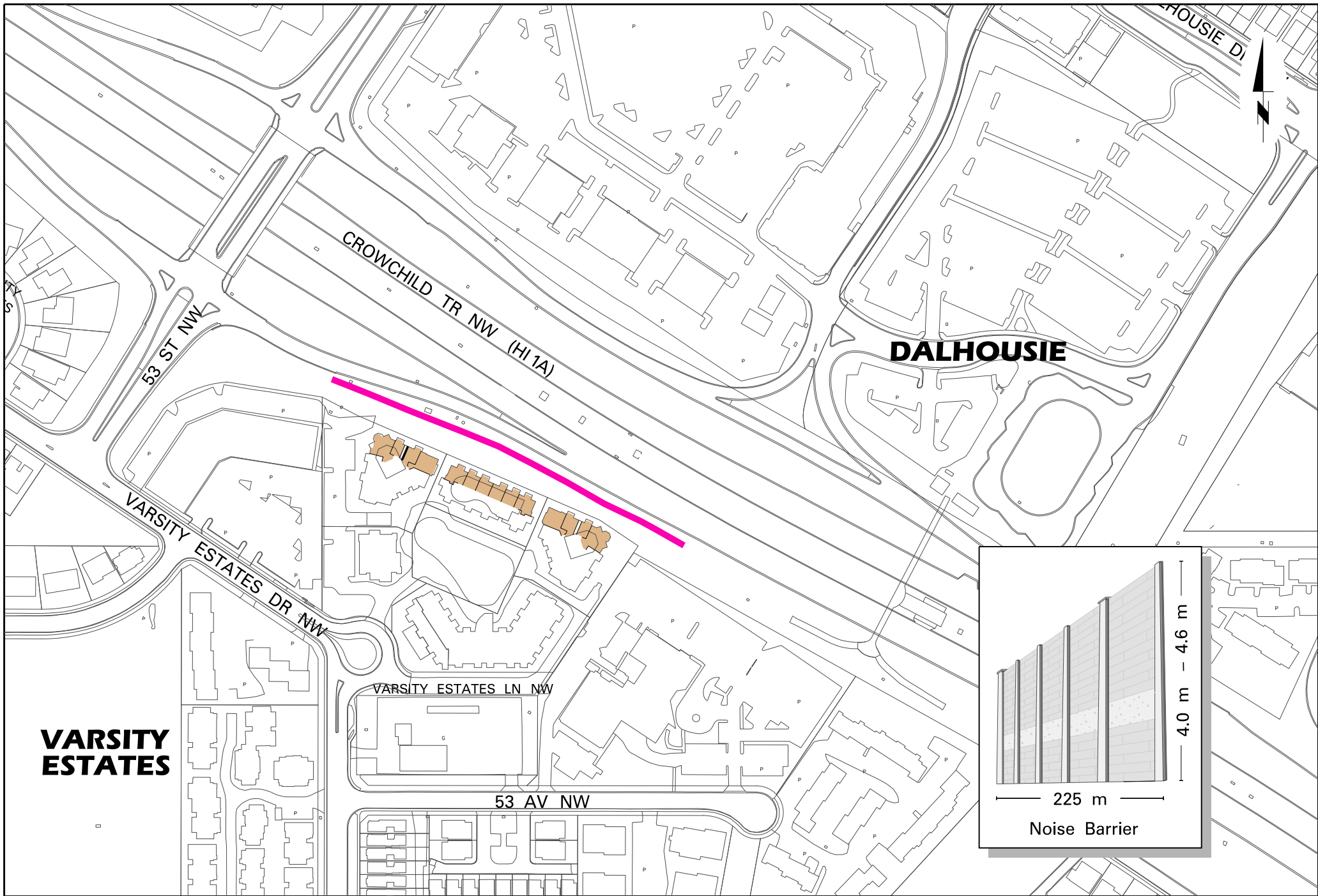
\$3,130,000

Benefit / Cost
Ratio

0.84

Calgary





Location:

CROWCHILD TRAIL NW (South Side)
East of 53 Street NW

2022
Ranking

4

Projected Noise Level
Without New Barrier

66 – 75 dB(A)

Estimated Cost
(2022 \$)

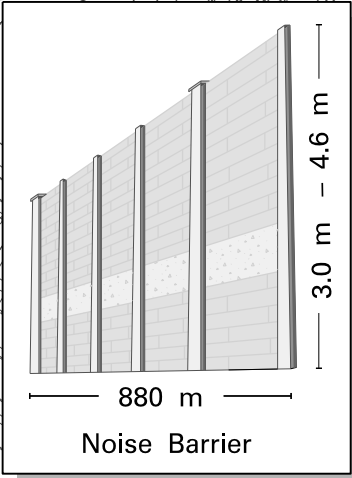
\$550,000

Benefit /Cost
Ratio

0.61

Calgary





Location: CROWCHILD TRAIL NW (North Side) <i>West of Stoney Trail NW</i>	2022 Ranking 5	Projected Noise Level Without New Barrier 66 – 73 dB(A)	Estimated Cost (2022 \$) \$2,360,000	Benefit/Cost Ratio 0.27	
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**FRANKLIN
PARK**

MARLBOROUGH

12 AV NE

14 AV NE

36 ST NE

MARBANK WY NE

MARBANK WY NE

MARBANK WY NE

38 ST NE

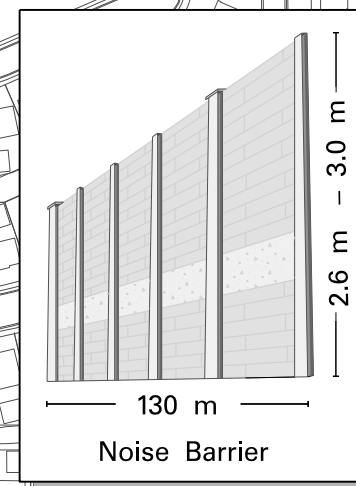
MARBANK DR NE

MARLYN CO NE

MARLYN WY NE

MARLYN WY NE

MARPOLE



Location:

36 STREET NE (East Side)
North of Marbank Drive NE

2022
Ranking

6

Projected Noise Level
Without New Barrier

65 – 71 dB(A)

Estimated Cost
(2022 \$)

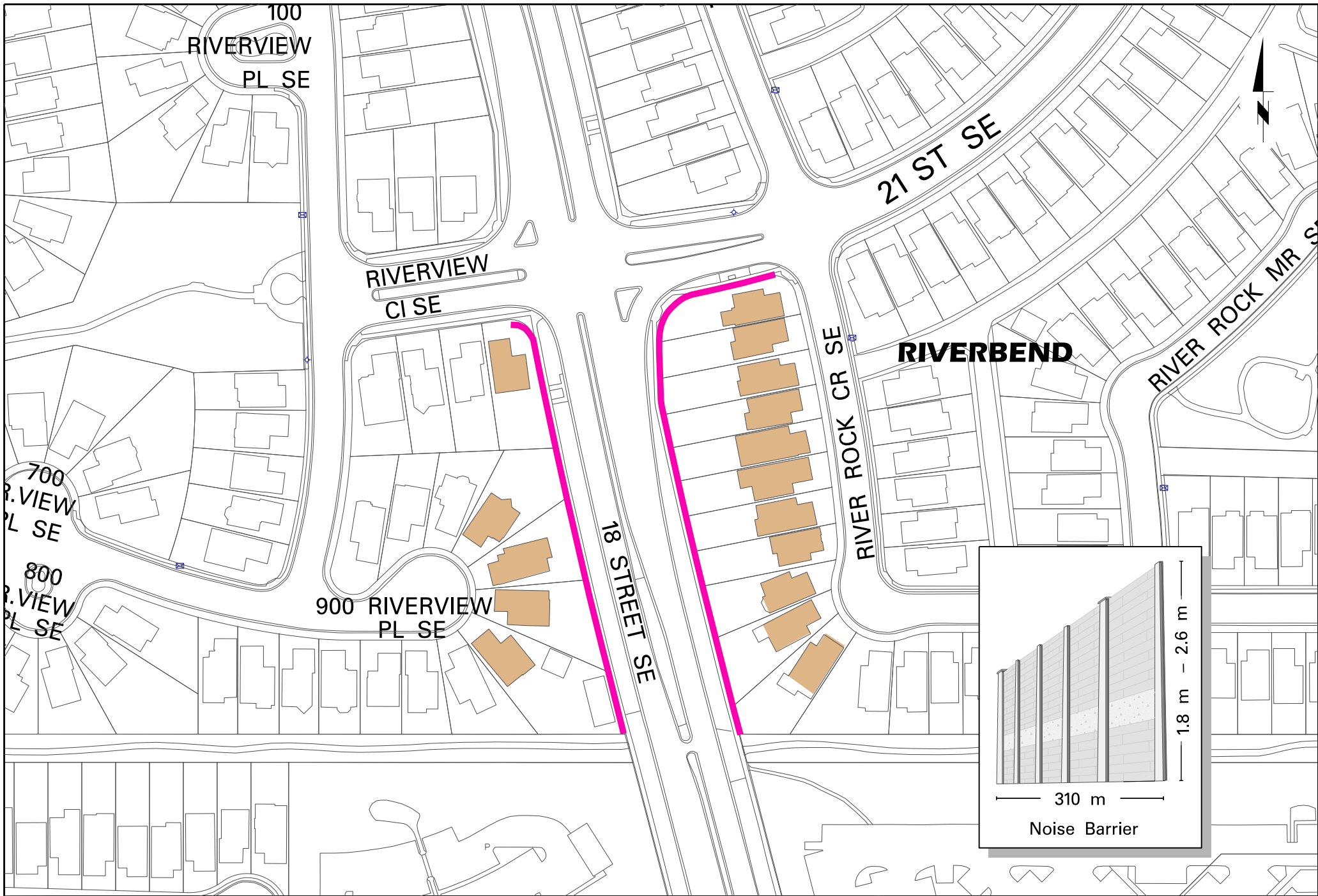
\$220,000

Benefit /Cost
Ratio

0.25

Calgary





Location:

18 STREET SE (Both Sides)
South of Riverview Circle SE

2022
Ranking

7

Projected Noise Level
Without New Barrier

60 – 63 dB(A)

Estimated Cost
(2022 \$)

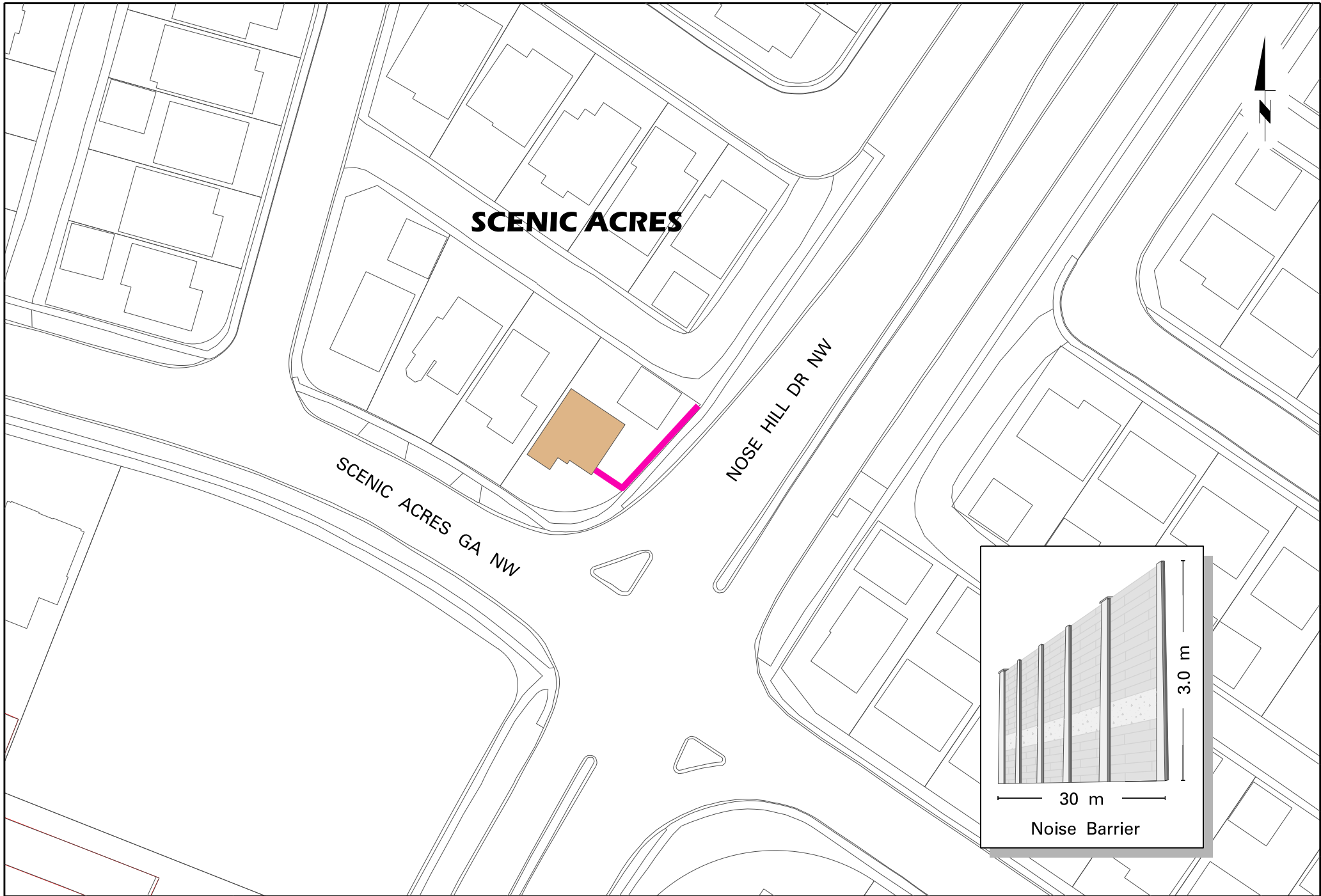
\$480,000

Benefit /Cost
Ratio

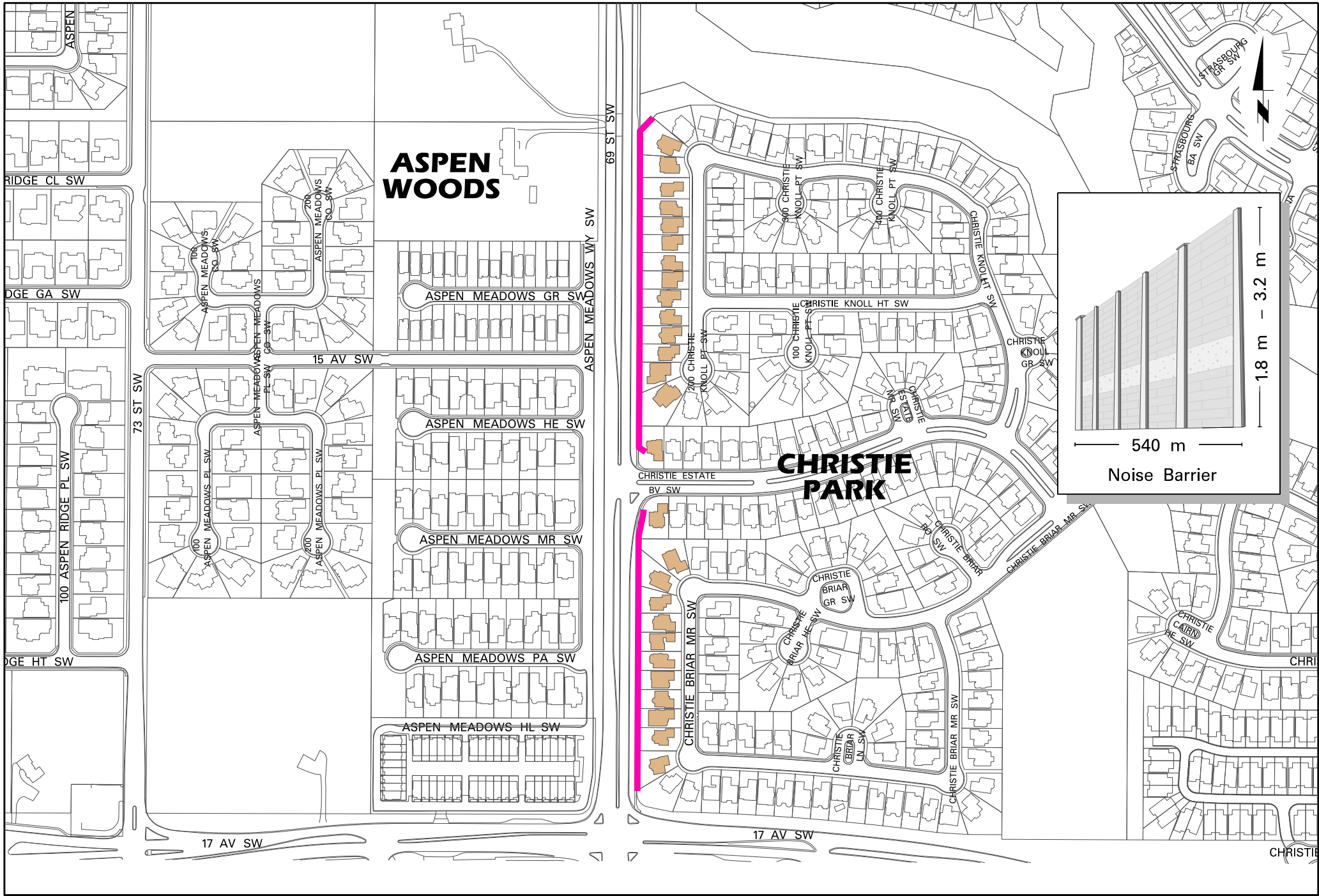
0.19

Calgary

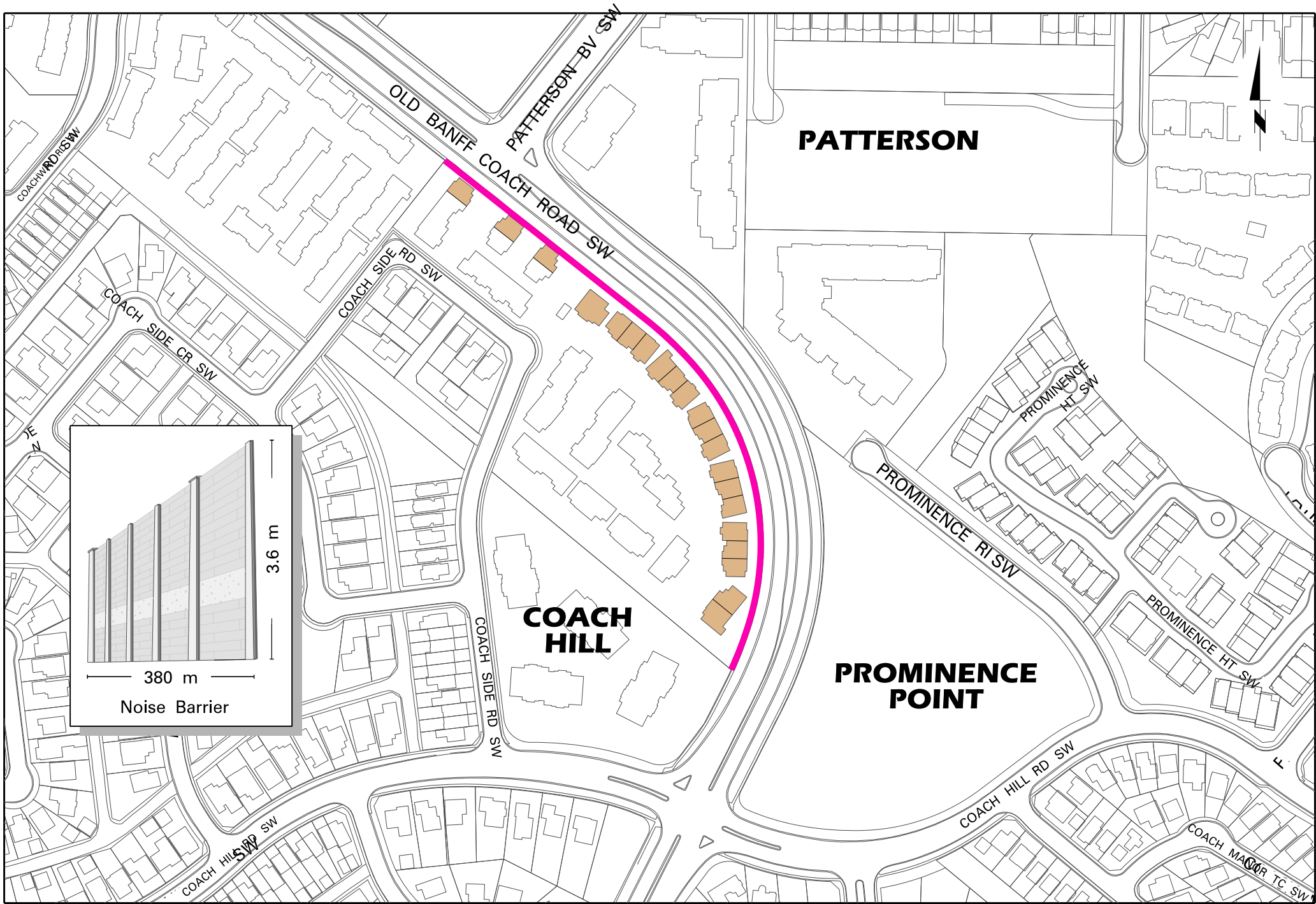




Location: NOSE HILL DRIVE NW (West Side) <i>North of Scenic Acres Gate NW</i>	2022 Ranking 8	Projected Noise Level Without New Barrier 61 dB(A)	Estimated Cost (2022 \$) \$50,000	Benefit /Cost Ratio 0.15	 
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Location: 69 STREET SW (East Side) <i>North of 17 Av SW to 100 Christie Knoll Ht</i>	2022 Ranking 9	Projected Noise Level Without New Barrier 65 – 70 dB(A)	Estimated Cost (2022 \$) \$880,000	Benefit /Cost Ratio 0.12	
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Location: OLD BANFF COACH ROAD SW (West Side) <i>North of Coach Hill Rd to Patterson Bv SW</i>	2022 Ranking 11	Projected Noise Level Without New Barrier 65 – 66 dB(A)	Estimated Cost (2022 \$) \$830,000	Benefit /Cost Ratio 0.02	
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