

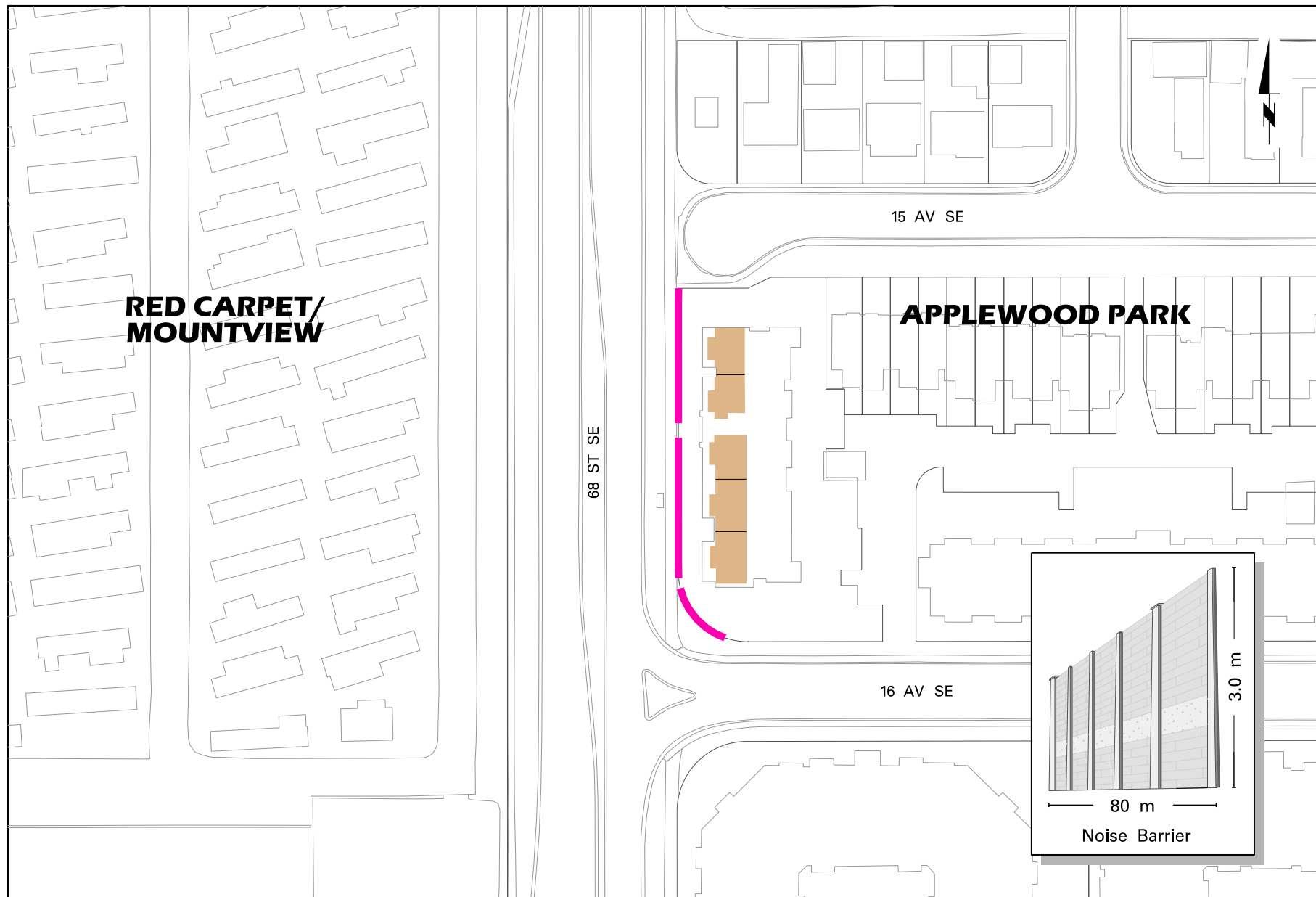
### 2023 - 2026 NOISE BARRIER RETROFIT PROGRAM PRIORITIZED LIST



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	\$168,000	5	5	1.27
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	\$720,000	29	17	0.75
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	\$3,756,000	80	63	0.70
4	Crowchild Trail N.W. <i>(South side)</i> East of 53 Street N.W.	66 - 75	4.0m - 4.6m	225m	\$660,000	14	12	0.51
5	Crowchild Trail N.W. <i>(North side)</i> West of Stoney Trail N.W.	66 - 73	3.0m - 4.6m	880m	\$2,832,000	20	20	0.22
6	36 Street N.E. <i>(East side)</i> North of Marbank Drive N.E.	65 - 71	2.6m - 3.0m	130m	\$264,000	3	2	0.21
7	18 Street S.E. <i>(Both sides)</i> South of Riverview Circle S.E.	Leq (24) 60 - 63	1.8m - 2.6m	310m	\$576,000	16	8	0.16
8	Nose Hill Drive N.W. <i>(West side)</i> North of Scenic Acres Gate N.W.	Leq (24) 61	3.0m	30m	\$ 60,000	1	1	0.13
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	\$1,056,000	27	10	0.10
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	\$1,008,000	24	7	0.07
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	\$996,000	21	2	0.01

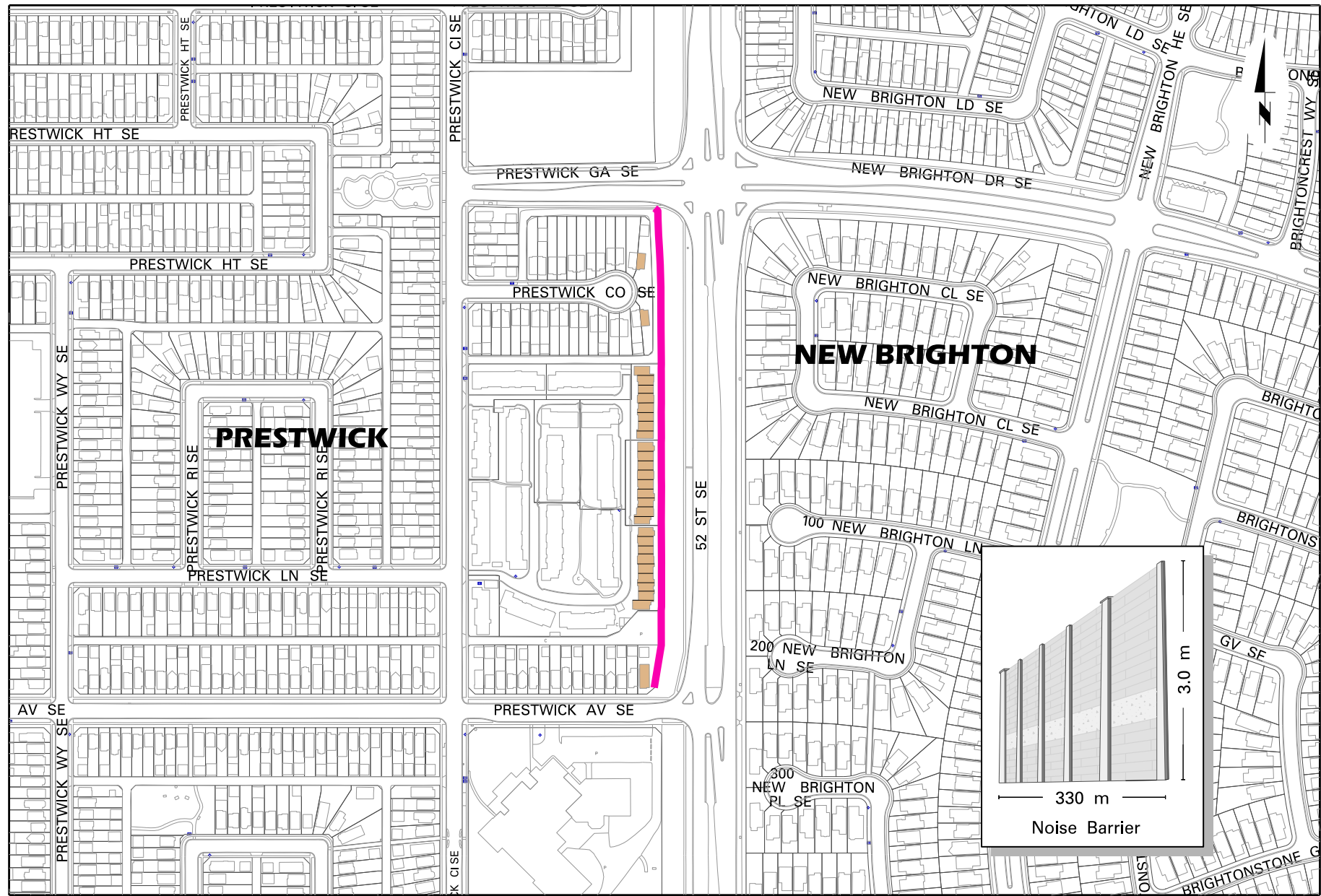
Design noise level criteria for roadways designated as truck routes is L10 65 decibels



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

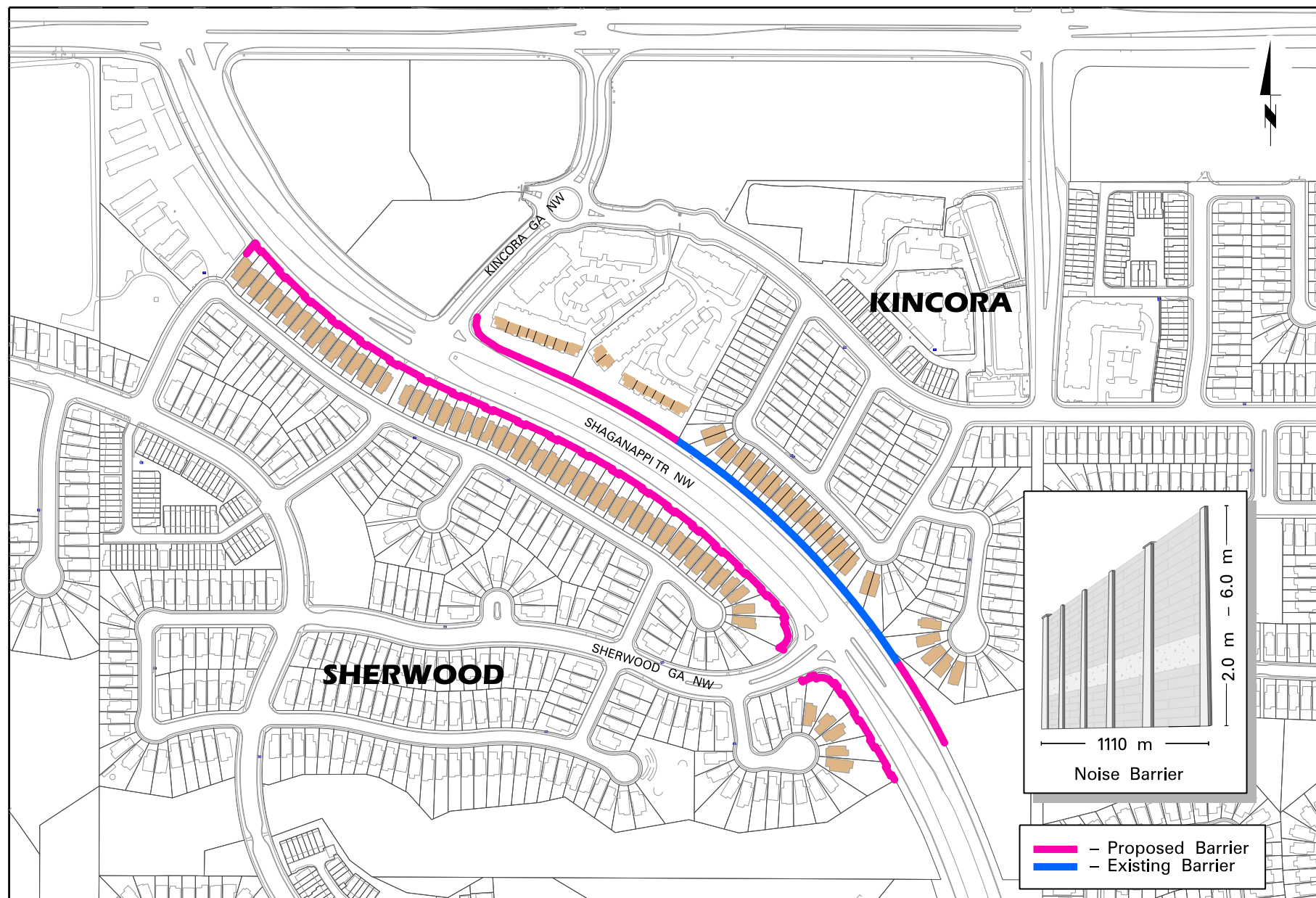
\*Benefit/Cost Ratio calculation: severity of the noise problem, amount of noise reduction, cost of attenuation and number of dwelling units exceeding criteria





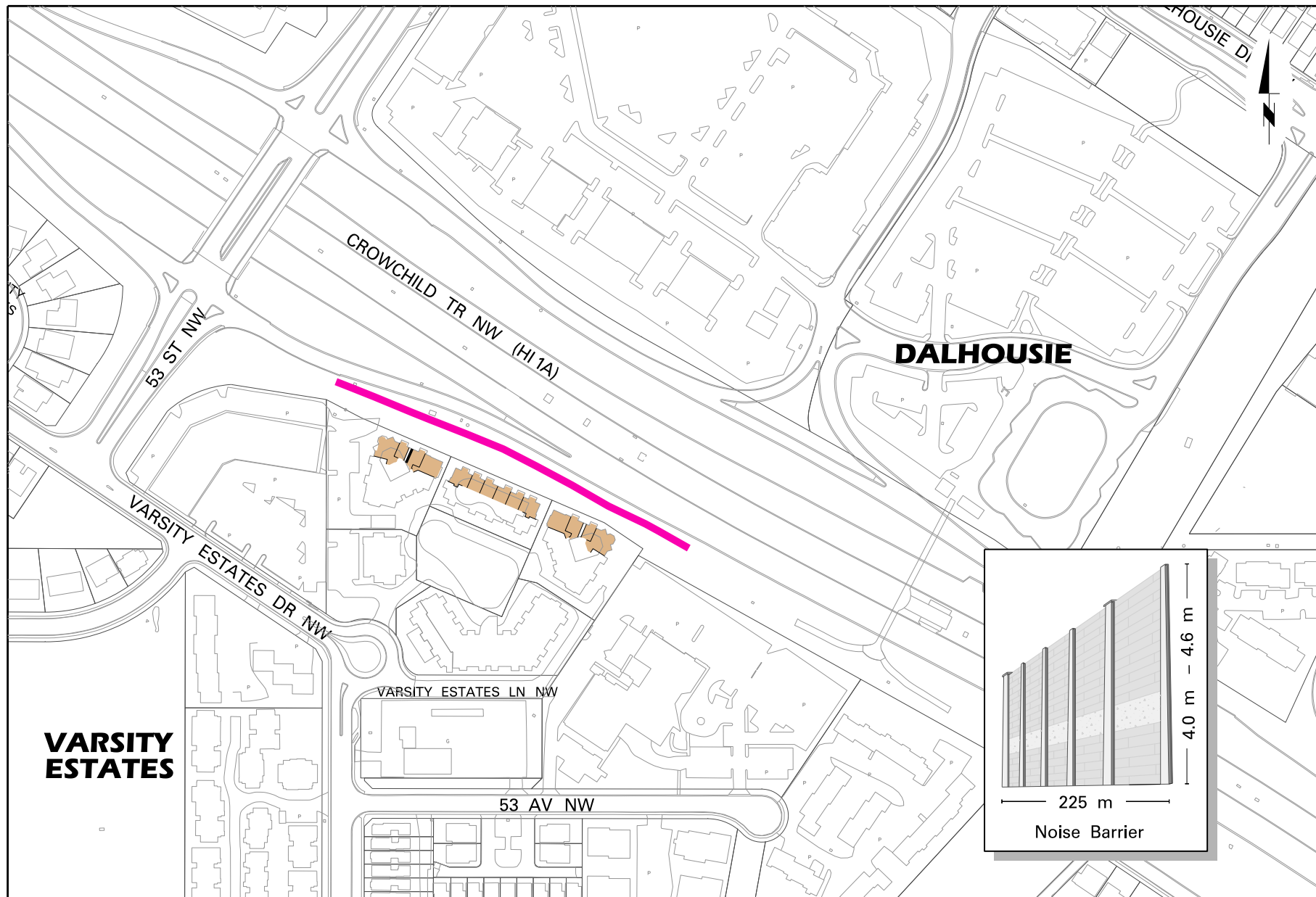
Location: <b>68 Street SE (East Side)</b> <i>North of 16 Avenue SE to 15 Avenue SE</i>	2022 Ranking  1	Projected Noise Level Without New Barrier  70 dB(A)	Estimated Cost (2023 \$)  \$168,000	Benefit /Cost Ratio  1.27	 
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Location: <b>52 STREET SE (West Side)</b> <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 (2023 \$)  \$720,000	Benefit /Cost Ratio  0.75	 
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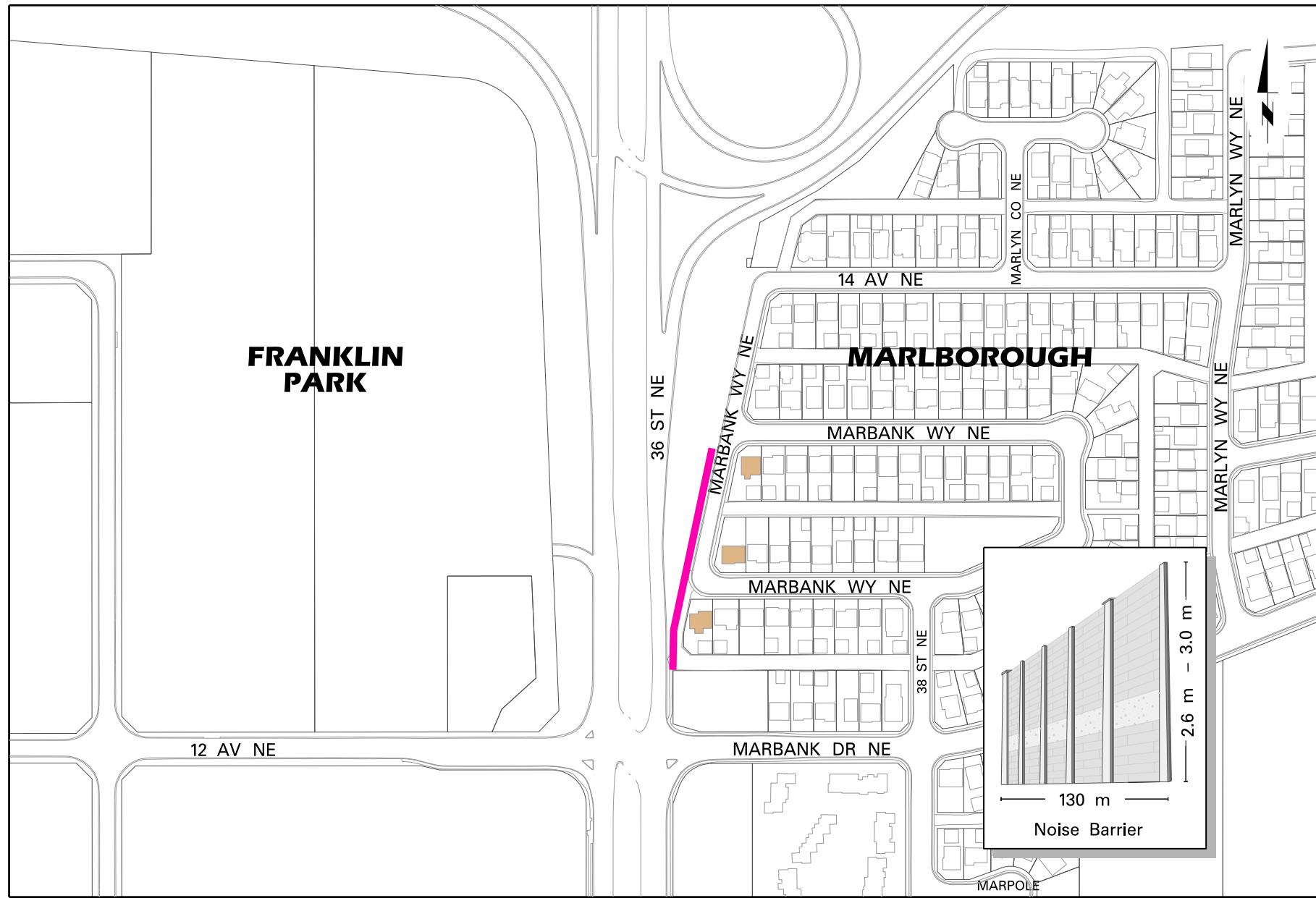
<p>Location: <b>SHAGANAPPI TRAIL NW (Both Sides)</b> <i>S. of Sherwood GA NW to N. of Kincora GA NW</i></p>	<p>2022 Ranking</p> <p>3</p>	<p>Projected Noise Level Without New Barrier</p> <p>65 – 71 dB(A)</p>	<p>Estimated Cost (2023 \$)</p> <p>\$3,756,000</p>	<p>Benefit /Cost Ratio</p> <p>0.70</p>	 
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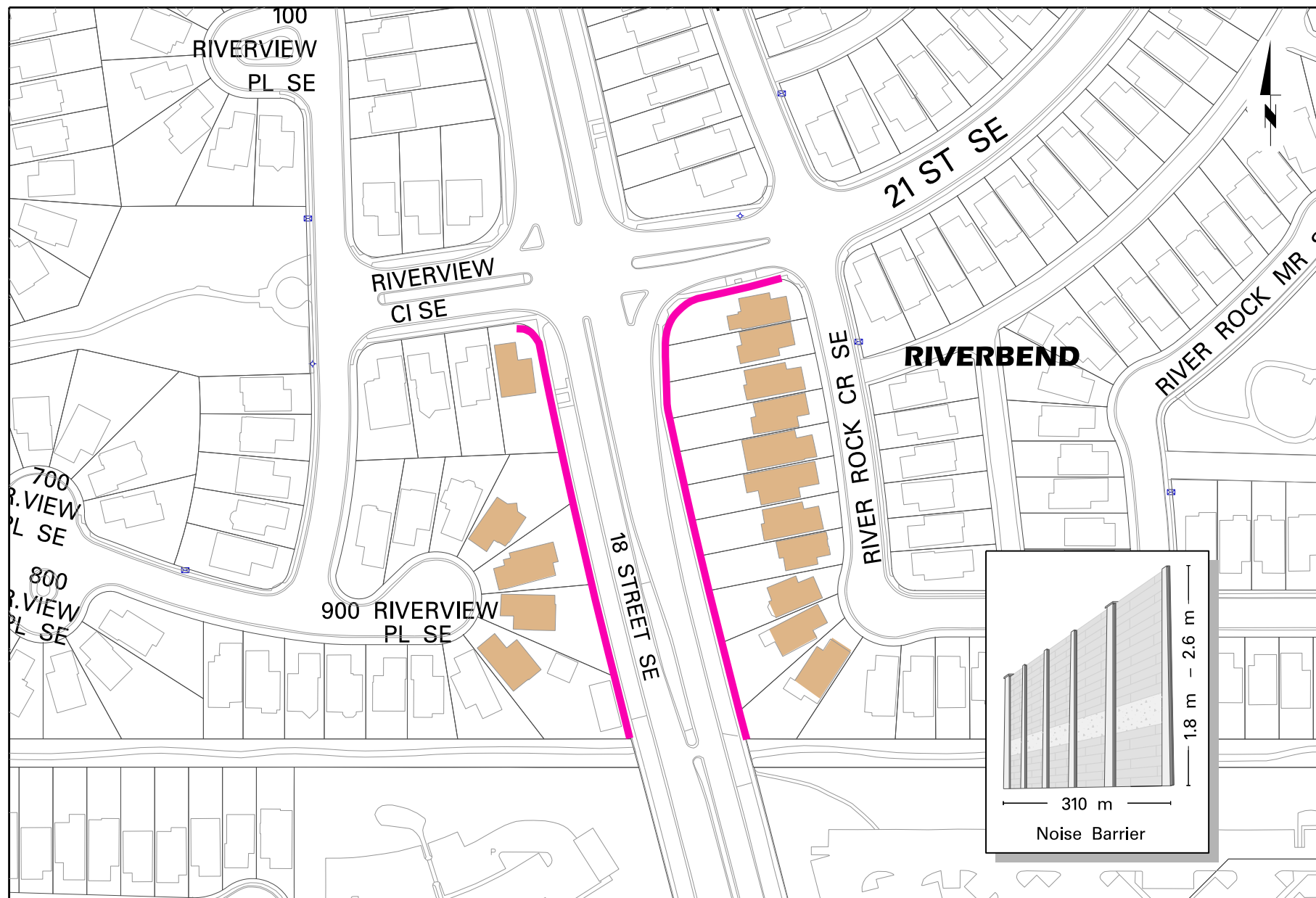
Location: <b>CROWCHILD TRAIL NW (South Side)</b> <i>East of 53 Street NW</i>	2022 Ranking  4	Projected Noise Level Without New Barrier  66 – 75 dB(A)	Estimated Cost (2023 \$)  \$660,000	Benefit /Cost Ratio  0.51	
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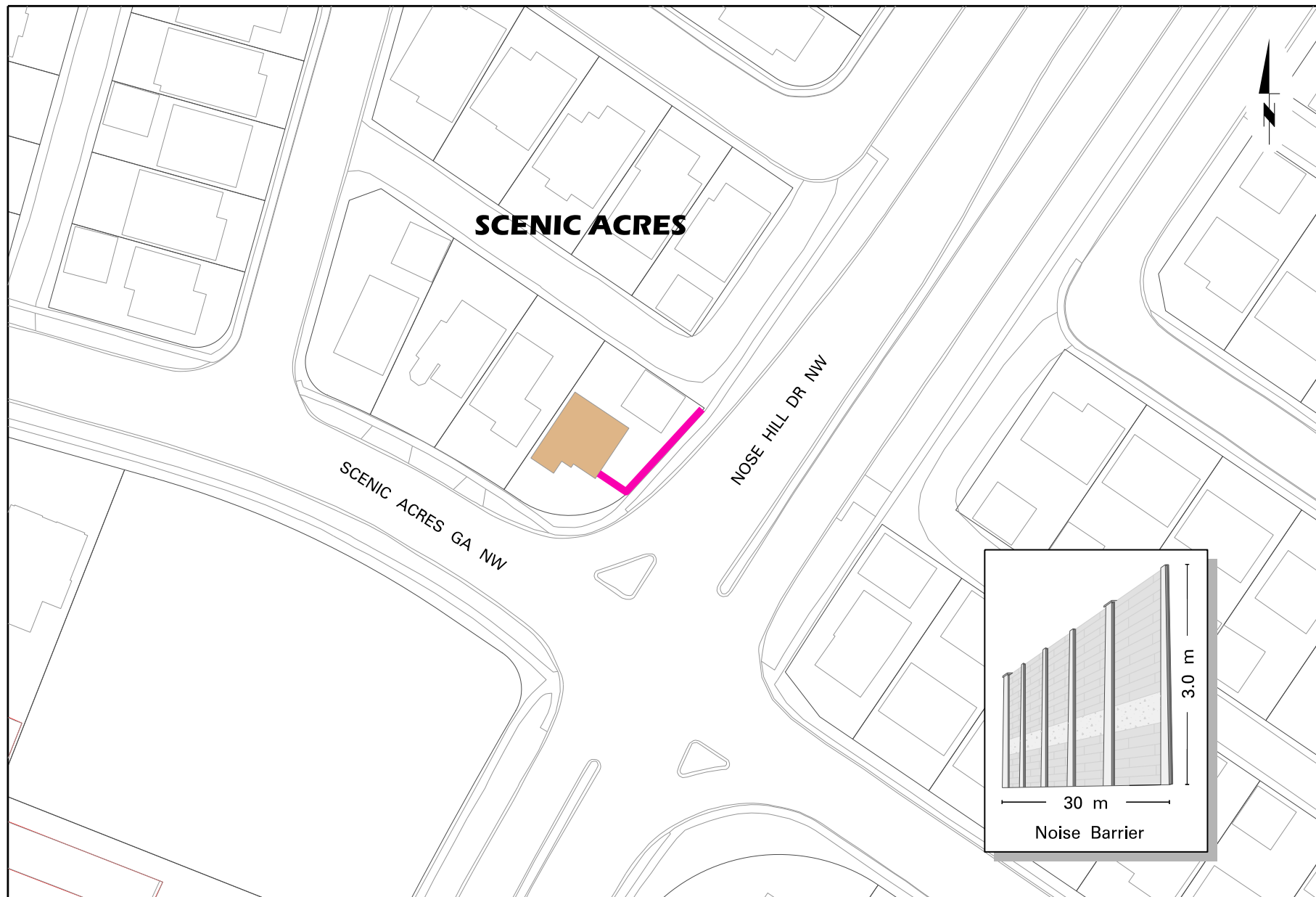



<p>Location: <b>36 STREET NE (East Side)</b> North of Marbank Drive NE</p>	<p>2022 Ranking</p> <p>6</p>	<p>Projected Noise Level Without New Barrier</p> <p>65 – 71 dB(A)</p>	<p>Estimated Cost (2023 \$)</p> <p>\$264,000</p>	<p>Benefit /Cost Ratio</p> <p>0.21</p>	 
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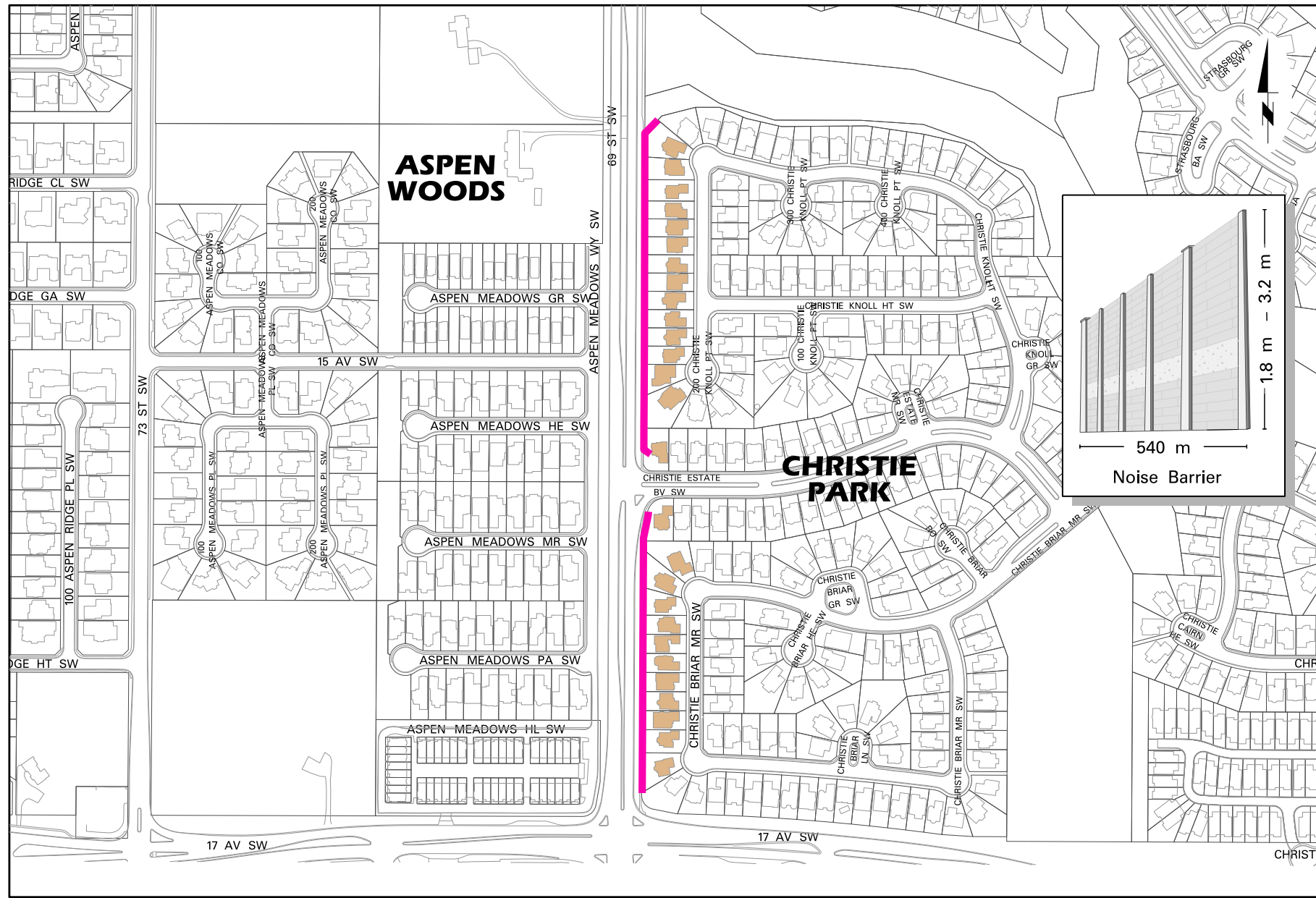




<p>Location: <b>18 STREET SE (Both Sides)</b> <i>South of Riverview Circle SE</i></p>	<p>2022 Ranking</p> <p>7</p>	<p>Projected Noise Level Without New Barrier</p> <p>60 – 63 dB(A)</p>	<p>Estimated Cost (2023 \$)</p> <p>\$576,000</p>	<p>Benefit /Cost Ratio</p> <p>0.16</p>	 
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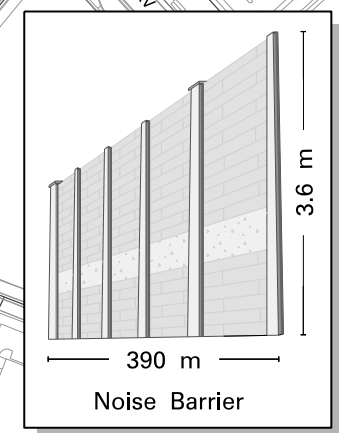
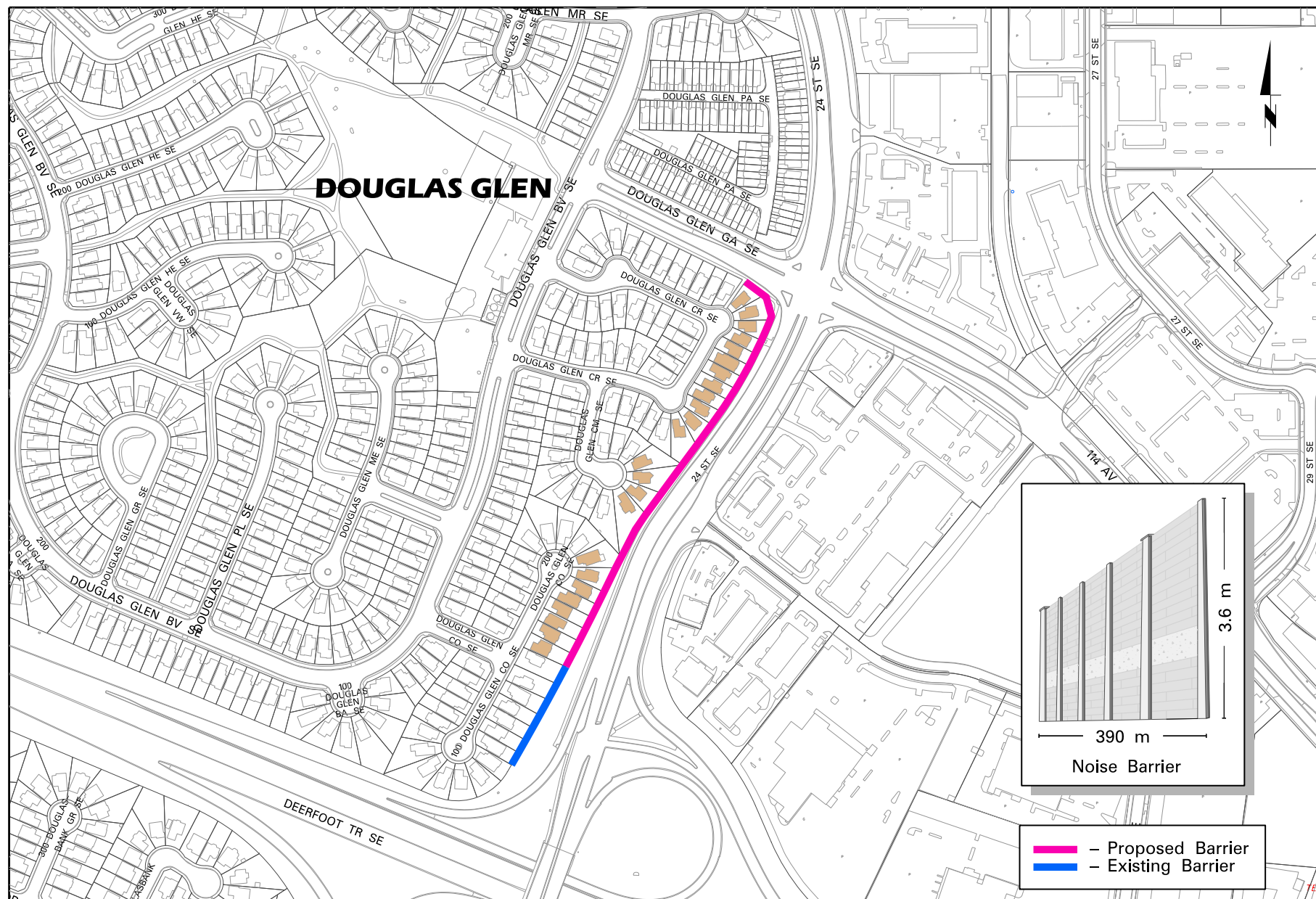





<p>Location: <b>NOSE HILL DRIVE NW (West Side)</b> <i>North of Scenic Acres Gate NW</i></p>	<p>2022 Ranking</p> <p><b>8</b></p>	<p>Projected Noise Level Without New Barrier</p> <p><b>61 dB(A)</b></p>	<p>Estimated Cost (2023 \$)</p> <p><b>\$60,000</b></p>	<p>Benefit/Cost Ratio</p> <p><b>0.13</b></p>	
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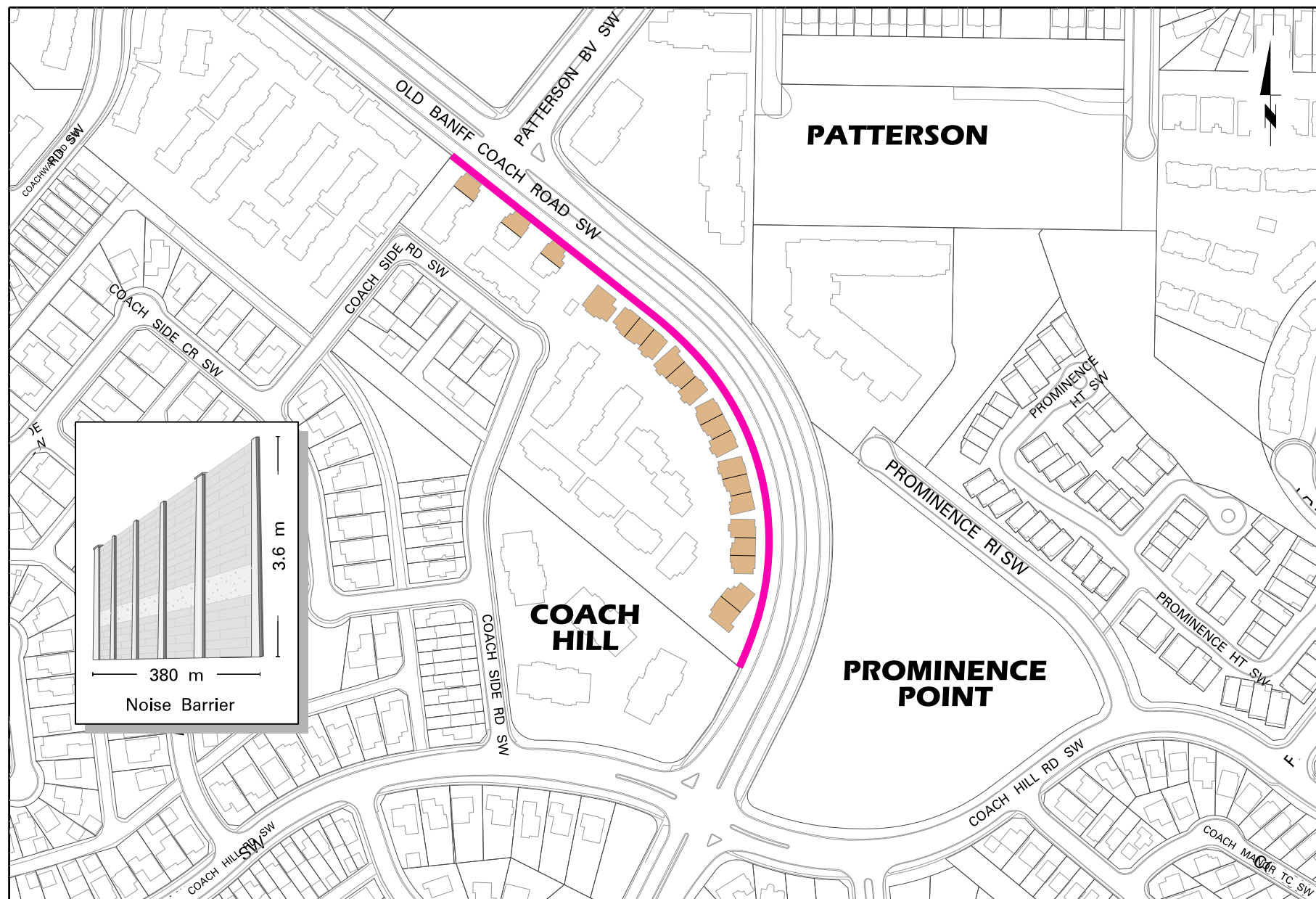
<p>Location: <b>69 STREET SW (East Side)</b> <i>North of 17 Av SW to 100 Christie Knoll Ht</i></p>	<p>2022 Ranking</p> <p>9</p>	<p>Projected Noise Level Without New Barrier</p> <p>65 – 70 dB(A)</p>	<p>Estimated Cost (2023 \$)</p> <p>\$1,056,000</p>	<p>Benefit/Cost Ratio</p> <p>0.10</p>	 
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- █ - Proposed Barrier
- █ - Existing Barrier

<p>Location: <b>24 STREET SE (West Side)</b> <i>N. of Deerfoot Trail SE to Douglas Glen Gate SE</i></p>	<p>2022 Ranking <b>10</b></p>	<p>Projected Noise Level Without New Barrier <b>65 – 68 dB(A)</b></p>	<p>Estimated Cost (2023 \$) <b>\$1,008,000</b></p>	<p>Benefit/Cost Ratio <b>0.07</b></p>	
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Location: <b>OLD BANFF COACH ROAD SW (West Side)</b> <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 (2023 \$)  \$996,000	Benefit / Cost Ratio  0.01	 
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