

Proposed Heritage Noise Wall

Proposed Meadowlark Noise Wall

Existing Wall - N-55-02

Proposed Canary Noise Wall

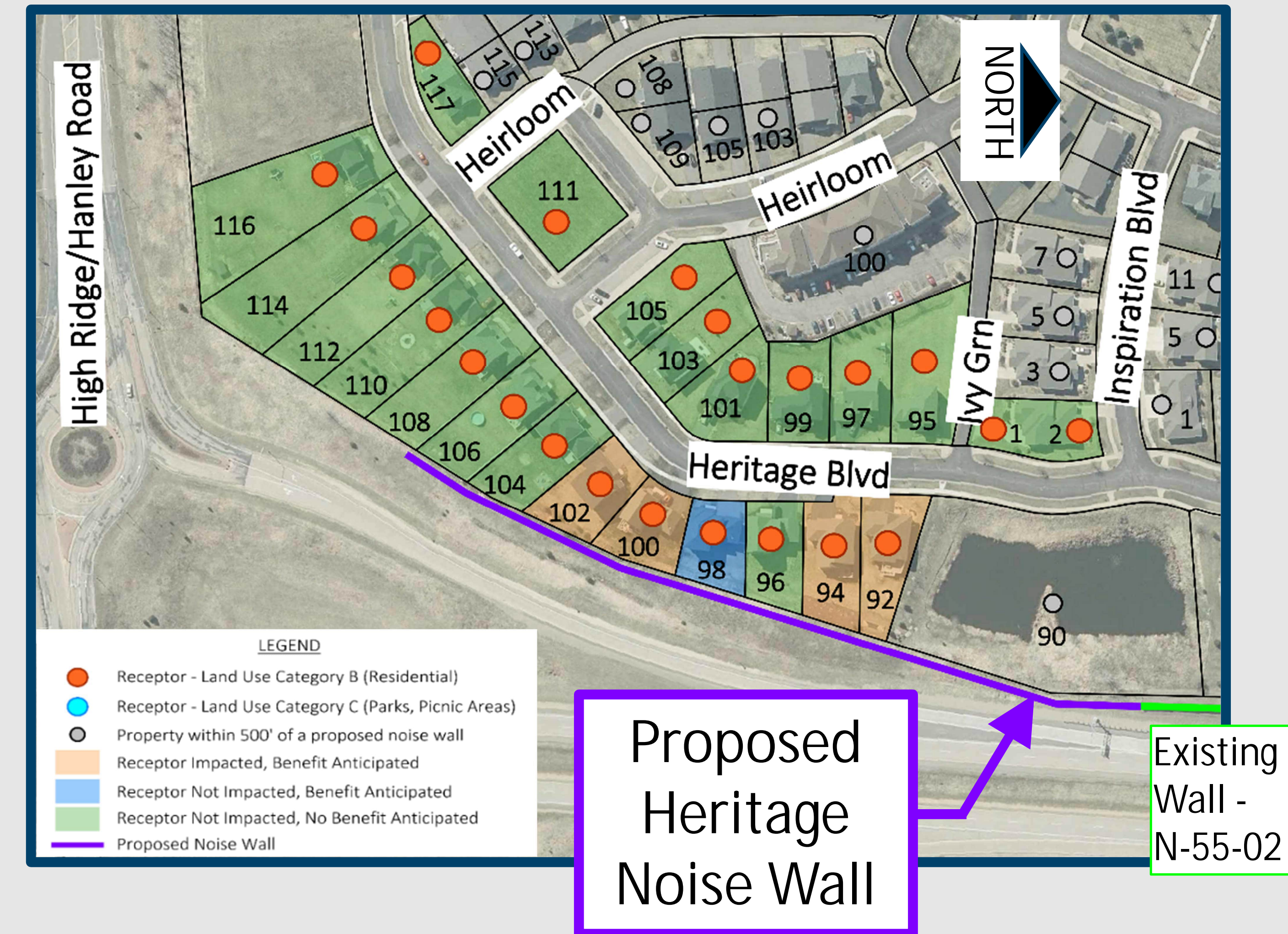
Meadows Park
(City Owned,
Section 4(f)
eligible)

- LEGEND**
- Receptor - Land Use Category B (Residential)
 - Receptor - Land Use Category C (Parks, Picnic Areas)
 - Property within 500' of a proposed noise wall
 - Receptor Impacted, Benefit Anticipated
 - Receptor Not Impacted, Benefit Anticipated
 - Receptor Not Impacted, No Benefit Anticipated
 - Proposed Noise Wall

Proposed Heritage Noise Wall

- West side of WIS 35
- 10- to 14-foot absorptive noise wall
- Seven receptors receive 5-decibel noise reduction = FEASIBLE
- Five benefited receptors receive an 8-decibel noise reduction
- Cost per benefited receptor >\$50,000 = NOT REASONABLE

▪ However, included in common noise environment cost analysis



Future Noise Levels – Proposed Heritage Noise Wall

The following summarizes the anticipated noise reduction for the proposed Heritage Noise Wall on the west side of WIS 35 near the High Ridge/Hanley Road interchange, an extension of N-55-02.

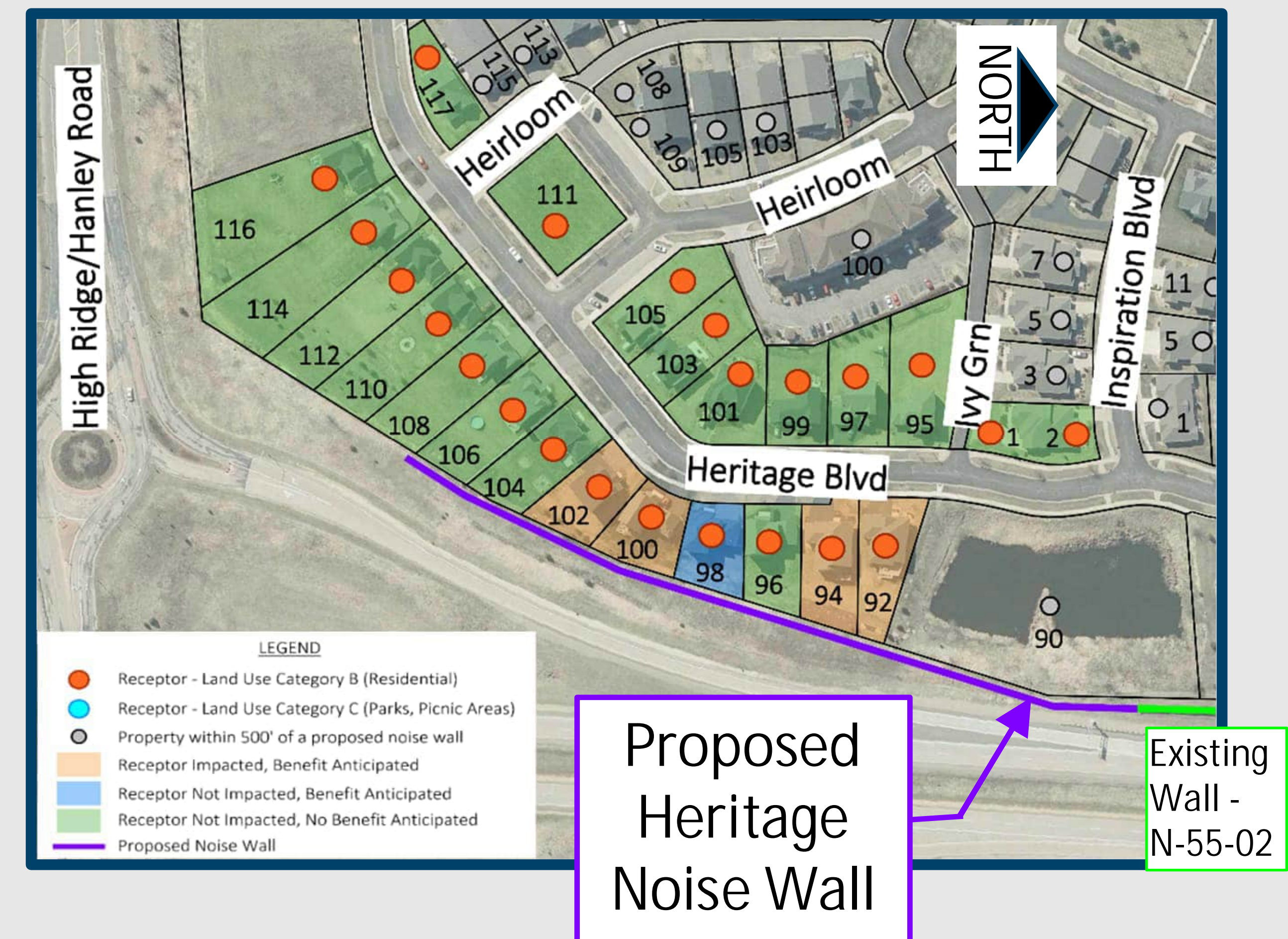
In the exhibit to the right, the purple line represents the location of the proposed Heritage Noise Wall.

The orange dots are receptors or noise sensitive locations included in the noise model to determine future noise levels, impacted receptors, and receptors benefited by a proposed noise wall.

The gray dots are properties within 500 feet of a proposed noise wall.

Below is a table summarizing the approximate noise levels with and without the proposed Heritage Noise Wall at the orange receptors indicated on the exhibit.

Receptor Location	Future Sound Level (2037) Without Proposed Wall	Impact (≥ 66 dBA) or No Impact (I/N)	Future Sound Level w/ Proposed Noise Wall	Change (dBA)	Benefited Receptor (Y/N) (-8 dBA or more)
116 Heritage Blvd	56	N	55	-1	N
114 Heritage Blvd	57	N	55	-2	N
112 Heritage Blvd	58	N	56	-2	N
110 Heritage Blvd	59	N	56	-3	N
108 Heritage Blvd	62	N	59	-3	N
106 Heritage Blvd	63	N	59	-4	N
104 Heritage Blvd	63	N	57	-6	N
102 Heritage Blvd	66	I	56	-10	Y
100 Heritage Blvd	67	I	59	-8	Y
98 Heritage Blvd	65	N	55	-10	Y
96 Heritage Blvd	63	N	56	-7	N
94 Heritage Blvd	67	I	59	-8	Y
92 Heritage Blvd	68	I	60	-8	Y
117 Heirloom	54	N	53	-1	N
111 Heritage Blvd	55	N	54	-1	N
105 Heritage Blvd	56	N	55	-1	N
103 Heritage Blvd	57	N	55	-2	N
101 Heritage Blvd	57	N	55	-2	N
99 Heritage Blvd	59	N	57	-2	N
97 Heritage Blvd	61	N	58	-3	N
95 Heritage Blvd	61	N	58	-3	N
1 Ivy Grn	63	N	59	-4	N
2 Inspiration Blvd	62	N	59	-3	N

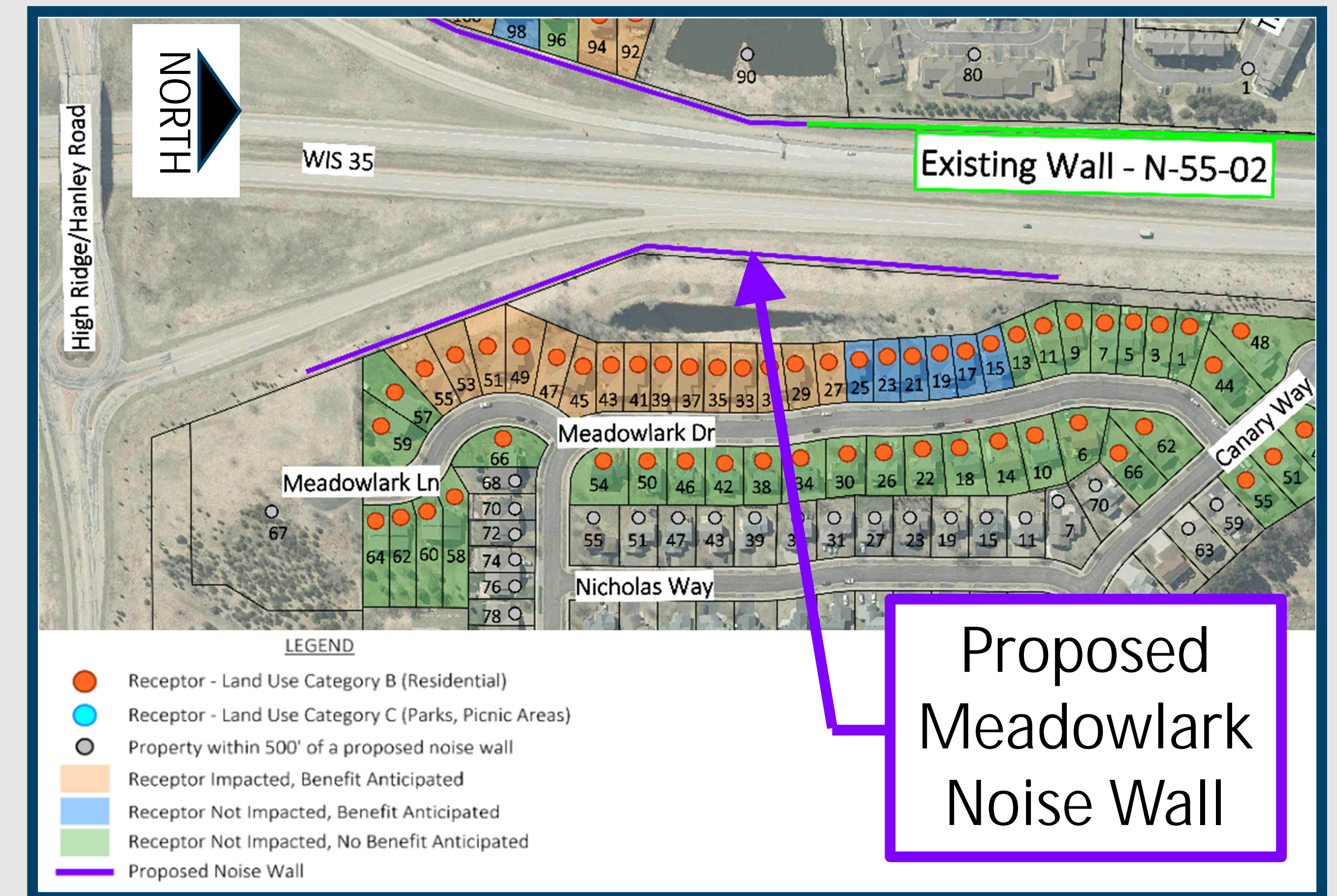


Proposed Heritage Noise Wall

Existing Wall - N-55-02

Proposed Meadowlark Noise Wall

- East side of WIS 35
- 16- to 18-foot absorptive noise wall
- 41 receptors receive 5-decibel noise reduction = FEASIBLE
- 21 benefited receptors receive an 8-decibel noise reduction
- Cost per benefited receptor <\$50,000 = REASONABLE
 - Included in common noise environment cost analysis



Future Noise Levels – Proposed Meadowlark Noise Wall

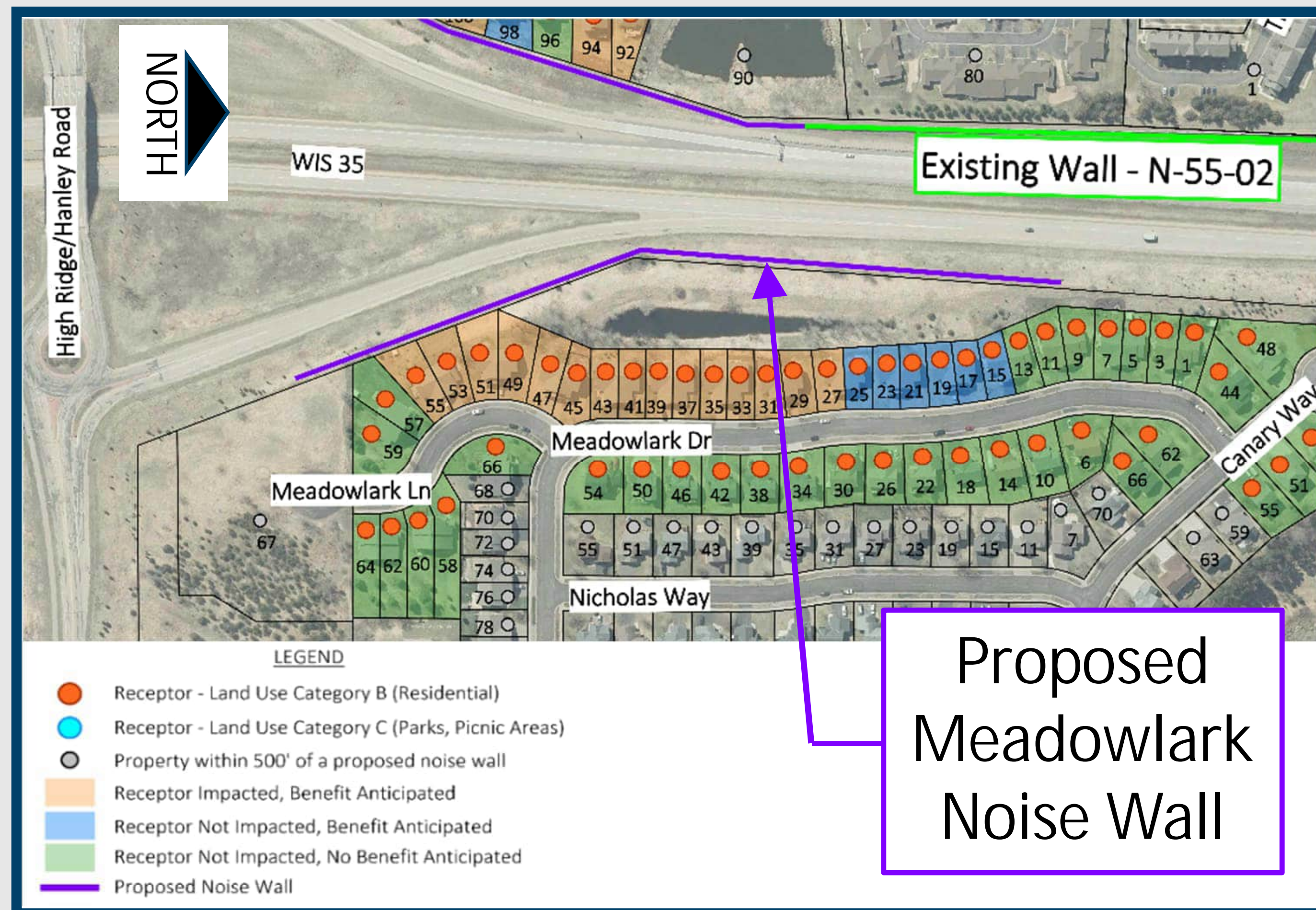
The following summarizes the anticipated noise reduction for the proposed Meadowlark Noise Wall on the east side of WIS 35, near the High Ridge/Hanley Road interchange.

In the exhibit below, the purple line represents the location of the proposed Meadowlark Noise Wall.

The orange dots are receptors or noise sensitive locations included in the noise model to determine future noise levels, impacted receptors, and receptors benefited by a proposed noise wall.

The gray dots are properties within 500 feet of a proposed noise wall.

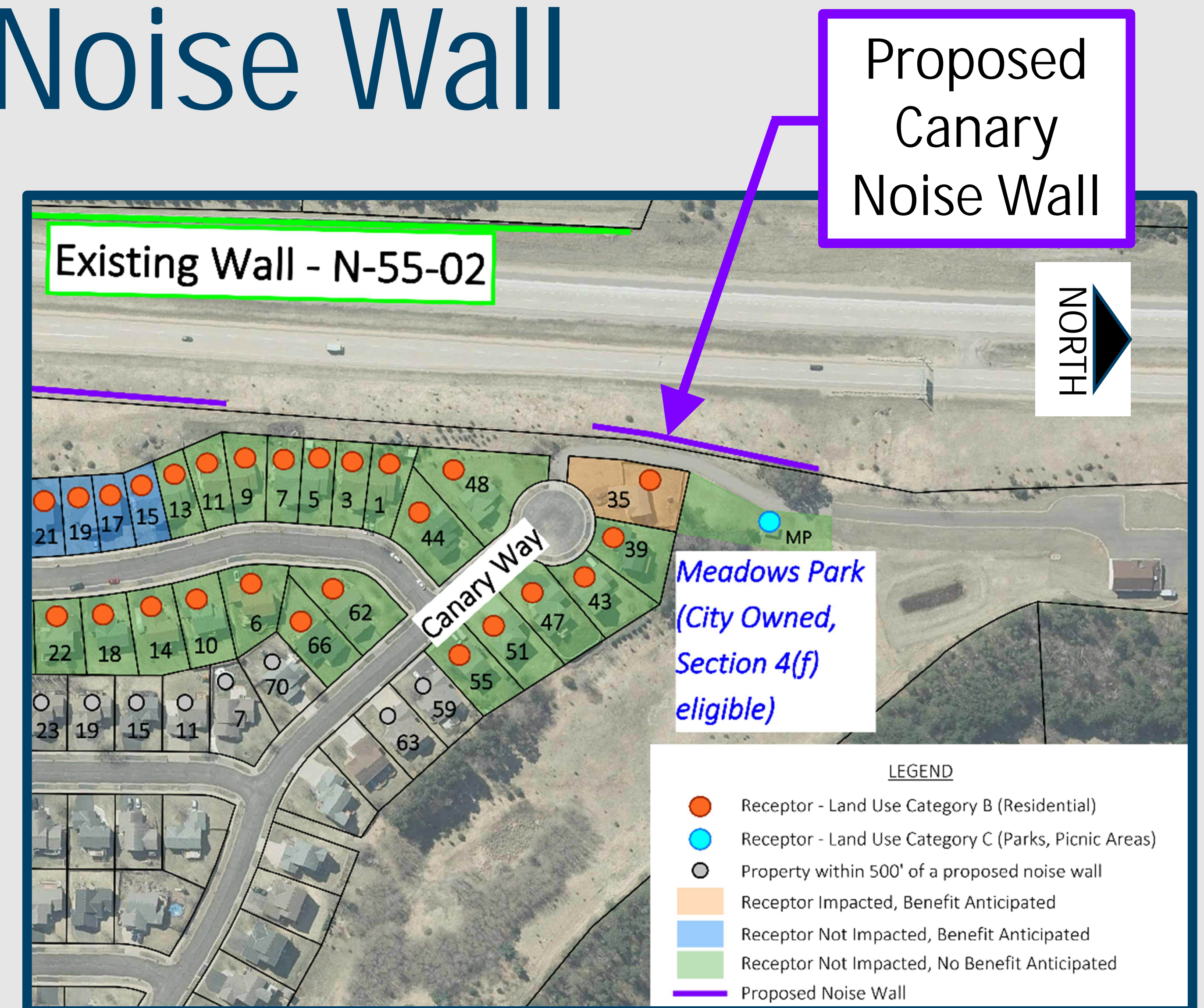
The table to the right summarizes the approximate noise levels with and without the proposed Meadowlark Noise Wall at the orange receptors indicated on the map.



Receptor Location	Future Sound Level (2037) Without Proposed Wall	Impact (≥66dBA) or No Impact (I/N)	Future Sound Level w/ Proposed Noise Wall	Change (dBA)	Benefited Receptor (Y/N) (-8 dBA or more)
59 Meadowlark Ln	63	N	56	7	N
57 Meadowlark Ln	64	N	58	6	N
55 Meadowlark Ln	66	I	58	8	Y
53 Meadowlark Ln	67	I	59	8	Y
51 Meadowlark Ln	68	I	59	9	Y
49 Meadowlark Ln	68	I	60	8	Y
47 Meadowlark Ln	68	I	60	8	Y
45 Meadowlark Ln	68	I	59	9	Y
43 Meadowlark Dr	68	I	59	9	Y
41 Meadowlark Dr	68	I	57	11	Y
39 Meadowlark Dr	68	I	58	10	Y
37 Meadowlark Dr	67	I	57	10	Y
35 Meadowlark Dr	67	I	57	10	Y
33 Meadowlark Dr	66	I	57	9	Y
31 Meadowlark Dr	66	I	57	9	Y
29 Meadowlark Dr	66	I	56	10	Y
27 Meadowlark Dr	66	I	56	10	Y
25 Meadowlark Dr	65	N	55	10	Y
23 Meadowlark Dr	65	N	56	9	Y
21 Meadowlark Dr	65	N	55	10	Y
19 Meadowlark Dr	65	N	55	10	Y
17 Meadowlark Dr	64	N	55	9	Y
15 Meadowlark Dr	63	N	54	9	Y
13 Meadowlark Dr	62	N	55	7	N
11 Meadowlark Dr	60	N	54	6	N
9 Meadowlark Dr	57	N	52	5	N
7 Meadowlark Dr	55	N	51	4	N
5 Meadowlark Dr	54	N	51	3	N
3 Meadowlark Dr	53	N	51	2	N
1 Meadowlark Dr	53	N	51	2	N
64 Meadowlark Ln	59	N	54	5	N
62 Meadowlark Ln	59	N	54	5	N
60 Meadowlark Ln	59	N	54	5	N
58 Meadowlark Ln	59	N	53	6	N
66 Meadowlark Dr	60	N	53	7	N
54 Meadowlark Dr	59	N	53	6	N
50 Meadowlark Dr	58	N	52	6	N
46 Meadowlark Dr	58	N	52	6	N
42 Meadowlark Dr	57	N	52	5	N
38 Meadowlark Dr	57	N	51	6	N
34 Meadowlark Dr	57	N	51	6	N
30 Meadowlark Dr	56	N	51	5	N
26 Meadowlark Dr	56	N	51	5	N
22 Meadowlark Dr	56	N	51	5	N
18 Meadowlark Dr	56	N	52	4	N
14 Meadowlark Dr	56	N	52	4	N
10 Meadowlark Dr	56	N	51	5	N
6 Meadowlark Dr	55	N	51	4	N
44 Canary Way	57	N	56	1	N
48 Canary Way	59	N	59	0	N
66 Canary Way	54	N	51	3	N
62 Canary Way	54	N	51	3	N
55 Canary Way	55	N	52	3	N
51 Canary Way	56	N	53	3	N

Proposed Canary Noise Wall

- East side of WIS 35
- 8-foot absorptive noise wall
- One receptor receives 5-decibel noise reduction = FEASIBLE
- One receptor receives an 8-decibel noise reduction
- Cost per benefited receptor >\$50,000 = NOT REASONABLE
 - However, included in common noise environment cost analysis



Future Noise Levels – Proposed Canary Noise Wall

The following summarizes the anticipated noise reduction for the proposed Canary Noise Wall on the east side of WIS 35 near Canary Way and Meadows Park.

In the exhibit at the right, the purple line represents the location of the proposed Canary Noise Wall.

The orange and blue dots are receptors or noise sensitive locations included in the noise model to determine future noise levels, impacted receptors, and receptors benefited by a proposed noise wall.

The gray dots are properties within 500 feet of a proposed noise wall.

Below is a table summarizing the approximate noise levels with and without the proposed Canary Noise Wall at the orange and blue receptors indicated on the exhibit.

Receptor Location	Future Sound Level (2037) Without Proposed Wall	Impact (≥66dBA) or No Impact (I/N)	Future Sound Level w/ Proposed Noise Wall	Change (dBA)	Benefited Receptor (Y/N) (-8 dBA or more)
21 Meadowlark Dr	65	N	55	10	Y
19 Meadowlark Dr	65	N	55	10	Y
17 Meadowlark Dr	64	N	55	9	Y
15 Meadowlark Dr	63	N	54	9	Y
13 Meadowlark Dr	62	N	55	7	N
11 Meadowlark Dr	60	N	54	6	N
9 Meadowlark Dr	57	N	52	5	N
7 Meadowlark Dr	55	N	51	4	N
5 Meadowlark Dr	54	N	51	3	N
3 Meadowlark Dr	53	N	51	2	N
1 Meadowlark Dr	53	N	51	2	N
22 Meadowlark Dr	56	N	51	5	N
18 Meadowlark Dr	56	N	52	4	N
14 Meadowlark Dr	56	N	52	4	N
10 Meadowlark Dr	56	N	51	5	N
6 Meadowlark Dr	55	N	51	4	N
44 Canary Way	57	N	56	1	N
48 Canary Way	59	N	59	0	N
35 Canary Way	66	I	57	9	Y
Meadows Park (MP)	64	N	60	4	N
66 Canary Way	54	N	51	3	N
62 Canary Way	54	N	51	3	N
55 Canary Way	55	N	52	3	N
51 Canary Way	56	N	53	3	N
47 Canary Way	57	N	54	3	N
43 Canary Way	59	N	56	3	N
39 Canary Way	61	N	57	4	N

