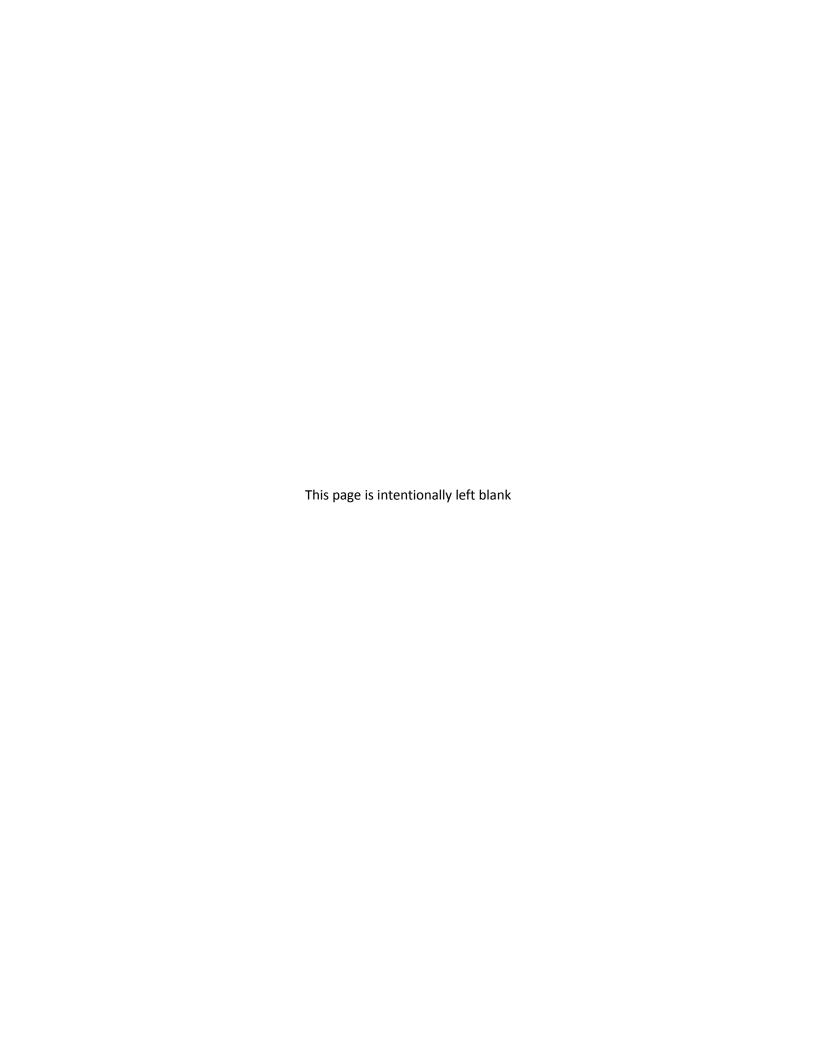
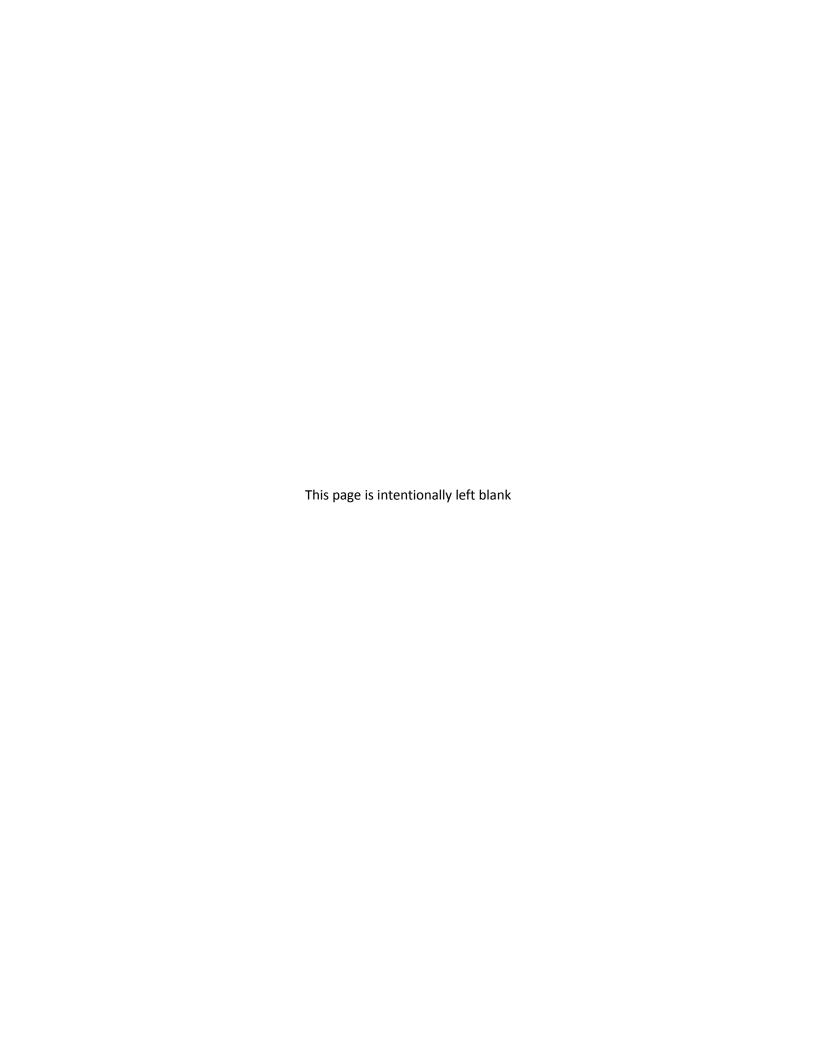
Jerome Avenue Rezoning EIS

Appendix F: Air Quality

- F1 Proposed Air Quality (E) Designations (Proposed Actions)
- F2 Proposed Air Quality (E) Designations (Expanded Rezoning Area Alternative)
- F3 Proposed Air Quality (E) Designations (A-Application Alternative)



Appendix F1: Proposed Air Quality (E) Designations (Proposed Actions)



<u>Introduction</u>

According to Chapter 14, "Air Quality", to preclude the potential for significant adverse air quality impacts on other projected and potential developments or existing buildings from emissions produced by the proposed HVAC systems, an (E) designation (E–442) would be assigned as part of the Proposed Actions for a total of 106 projected and potential development sites (including 33 projected and 73 potential development sites). These designations would specify the various restrictions, such as type of fuel to be used, the distance that the vent stack on the building roof must be from its lot line(s), and/or the above-grade stack height.

<u>The descriptions and requirements of the proposed (E) Designations for these sites with respect to HVAC systems are presented in **Tables F1.1 and F1.2** below.</u>

Table F1.1: Projected Sites Required (E) Designations - Proposed Actions

| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|---|
| 1 | 3198 | 81 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the lot line facing West 184th Street, to avoid any potential significant adverse air quality impacts. |
| | 3187 | 9 | Any new residential and/or commercial development must exclusively use natural |
| 2 | 3187 | 14 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the lot line facing East 184th Street, and at least 40 feet away from the lot line facing East 183rd Street, to avoid any potential significant adverse air quality impacts. |
| | 3186 | 10 | Any new residential and/or commercial development must exclusively use natural |
| | 3186 | 12 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 6 | 3186 | 1 | systems, and ensure that the HVAC stack(s) is located at least 70 feet away from the lot line facing East 182nd Street, to avoid any potential significant adverse air quality impacts. |
| | 3192 | 42 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 30 ft from the lot line facing West Burnside Avenue, and no more than 130 feet away from the lot line facing West Burnside Avenue, and at least 55 feet away from the lot line facing Davidson Avenue, to avoid any potential significant adverse air quality impacts. |
| | 3192 | 39 | |
| 8 | 3192 | 37 | |
| | 3192 | 50 | |
| 9 | 3179 | 20 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 30 ft from the lot line facing West Burnside Avenue, and no more than 130 feet away from the lot line facing West Burnside Avenue, and at least 55 feet away from the lot line facing Davidson Avenue, to avoid any potential significant adverse air quality impacts. |
| 10 | 2870 | 26 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 40 feet away from the lot line facing Davidson Avenue, and at least 15 feet away from the lot line facing Grand Avenue, to avoid any potential significant adverse air quality impacts. |
| 11 | 2863 | 42 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 175 feet above grade, to avoid any potential significant adverse air quality impacts. |

| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|---|
| 13 | 2863 | 50 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 175 feet above grade, to avoid any potential significant adverse air quality impacts. |
| 15 | 2862 | 97 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the lot line facing East Tremont Avenue, and at least 50 feet away from the lot line facing West 177th Street, to avoid any potential significant adverse air quality impacts. |
| 16 | 2853 | 22 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 40 feet away from the lot line facing East 177th Street, to avoid any potential significant adverse air quality impacts. |
| 17 | 2853 | 27 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 60 feet away from the lot line facing Jerome Avenue, to avoid any potential significant adverse air quality impacts. |
| 18 | 2861 | 163 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning systems, to avoid any potential significant adverse air quality impacts. |
| | 2849 | 13 | Any new residential and/or commercial development must exclusively use natural |
| 20 | 2849 | 9 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the lot line facing Clifford Place, to avoid any potential significant adverse air quality impacts. |
| | 2859 | 33 | |
| | 2859 | 38 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 21 | 2859 | 35 | systems, and ensure that the HVAC stack(s) is located at least 125 feet above grade, to avoid any potential significant adverse air quality impacts. |
| | 2859 | 41 | |
| | 2859 | 34 | |
| | 2846 | 14 | Any new residential and/or commercial development must exclusively use natural |
| 22 | 2846 | 6 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the lot line facing East 172nd Street, to avoid any potential significant adverse air quality impacts. |
| | 2865 | 88 | Any new residential and/or commercial development must exclusively use natural |
| 23 | 2865 | 15 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 130 feet away from the lot line facing Goble Place, to avoid any potential significant adverse air quality impacts. |
| | 2858 | 15 | Any new residential and/or commercial development must exclusively use natural |
| 25 | 2858 | 19 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 20 feet away from the lot line facing West 170th Street, to avoid any potential significant adverse air quality impacts. |

| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|---|
| | 2844 | 9 | Any new residential and/or commercial development must exclusively use natural |
| 26 | 2844 | 5 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the |
| 20 | 2844 | 117 | lot line facing East 172nd Street, and at least 50 feet away from the lot line facing |
| | 2844 | 116 | East 171st Street, to avoid any potential significant adverse air quality impacts. |
| | 2842 | 13 | Any new residential and/or commercial development must exclusively use natural |
| 28 | 2842 | 15 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the lot line facing Walton Avenue, to avoid any potential significant adverse air quality impacts. |
| 29 | 2843 | 98 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 25 feet away from the lot line facing Wythe Place, to avoid any potential significant adverse air quality impacts. |
| | 2871 | 112 | Any new residential and/or commercial development must exclusively use natural |
| 33 | 2871 | 110 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located no more than 32 feet away from the lot line facing West 169th Street, and at least 64 feet away from the lot line facing Cromwell Avenue, to avoid any potential significant adverse air quality impacts. |
| 34 | 2856 | 11 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 90 ft from the lot line facing West 170th Street, and at least 80 feet away from the lot lie facing Clarke Place West, and no more than 80 feet away from the lot line facing Inwood Avenue, to avoid any potential significant adverse air quality impacts. |
| 35 | 2856 | 1 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 165 feet above grade, and located no more than 100 feet away from the lot line facing West 170th Street, to avoid any potential significant adverse air quality impacts. |
| | 2871 | 61 | Any new residential and/or commercial development must exclusively use natural |
| 20 | 2871 | 133 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 37 feet away from the |
| 36 | 2871 | 140 | lot line facing West 169th Street, to avoid any potential significant adverse air quality impacts. |
| 37 | 2506 | 98 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning systems, to avoid any potential significant adverse air quality impacts. |
| 38 | 2506 | 100 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 185 feet above grade, to avoid any potential significant adverse air quality impacts. |
| 39 | 2506 | 40 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning systems, to avoid any potential significant adverse air quality impacts. |

| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|---|
| | 2489 | 6 | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 40 | | | systems, and ensure that the HVAC stack(s) is located at least 235 feet above grade, |
| | 2489 | 8 | and at least 40 feet away from the lot line facing East 167th Street, to avoid any |
| | | | potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 41 | 2496 | 64 | systems, and ensure that the HVAC stack(s) is located at least 70 feet away from the |
| | | | lot line facing McClellan Street, and at least 110 feet away from the lot line facing |
| | | | East 167th Street, to avoid any potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 42 | 2488 | 14 | systems, and ensure that the HVAC stack(s) is located at least 20 feet away from the |
| 42 | 2400 | 14 | lot line facing East 167th Street, to avoid any potential significant adverse air quality |
| | | | impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 43 | 2488 | 12 | systems, and ensure that the HVAC stack(s) is located at least 30 feet away from the |
| | | | lot line facing East 167th Street, and at least 30 feet away from the lot line facing |
| | | | McClellan Street, to avoid any potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 44 | 2488 | 1 | systems, and ensure that the HVAC stack(s) is located at least 25 feet away from the |
| | 2400 | _ | lot line facing McClellan Street, to avoid any potential significant adverse air quality |
| | | | impacts. |
| | 2487 | 38 | Any new residential and/or commercial development must exclusively use natural |
| | 2407 | 22 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| | 2487 | 32 | systems, and ensure that the HVAC stack(s) is located at least 25 feet away from the |
| 45 | | | lot line facing McClellan Street, at least 385 feet away from the lot line facing East |
| | 2487 | 30 | 165th Street, and no more than 50 feet away from the lot line facing River Avenue, |
| | | | to avoid any potential significant adverse air quality impacts. |
| | | | |

<u>Table F1.2:</u> Potential Sites Required (E) <u>Designations</u> – Proposed Actions

| Site # | Tax Block | Tax Lot | (E) Designation | |
|--------|-----------|---------|---|--|
| | 3198 | 77 | Any new residential and/or commercial development must exclusively use natural | |
| | 3198 | 78 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | |
| 1 | 3133 | | systems, and ensure that the HVAC stack(s) is located at least 125 feet above grade, | |
| | 3198 | 76 | to avoid any potential significant adverse air quality impacts. | |
| | | | to dista any potentiaro. Similanti da tere di quant, impactor | |
| | 3187 | 25 | Any new residential and/or commercial development must exclusively use natural | |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | |
| 2 | | | systems, and ensure that the HVAC stack(s) is located at least 40 feet away from the | |
| _ | 3187 | 18 | lot line facing North Street, to avoid any potential significant adverse air quality | |
| | | | <u>impacts.</u> | |
| | 24.07 | - | A | |
| | 3187 | 5 | Any new residential and/or commercial development must exclusively use natural | |
| | 3187 | 3 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | |
| 3 | 3187 | 7 | systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the | |
| | 24.07 | 1 | lot line facing East 184th Street, to avoid any potential significant adverse air quality | |
| | 3187 | 1 | <u>impacts.</u> | |
| | | | Any new residential and/or commercial development must exclusively use natural | |
| 4 | 3197 | 29 | gas as the type of fuel for the heating, ventilating and air conditioning systems, to | |
| | | | avoid any potential significant adverse air quality impacts. | |
| | | | Any new residential and/or commercial development must exclusively use natural | |
| 5 | 3197 | 35 | gas as the type of fuel for the heating, ventilating and air conditioning systems, to | |
| | | | avoid any potential significant adverse air quality impacts. | |
| | 3208 | 36 | Any new residential and/or commercial development must exclusively use natural | |
| | 3208 | 39 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | |
| 7 | 3208 | 35 | systems, and ensure that the HVAC stack(s) is located at least 60 feet away from the | |
| | | | lot line facing Grand Avenue, to avoid any potential significant adverse air quality | |
| | | | <u>impacts.</u> | |
| | 3208 | 45 | Any new residential and/or commercial development must exclusively use natural | |
| | 3208 | 43 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | |
| | | | systems, and ensure that the HVAC stack(s) is located at least 30 feet away from the | |
| 8 | 3208 | 46 | lot line facing Aqueduct Avenue East, to avoid any potential significant adverse air | |
| | 3208 | 40 | quality impacts. | |
| | | | | |
| | | | Any new residential and/or commercial development must exclusively use natural | |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | |
| 11 | 3186 | 17 | systems, and ensure that the HVAC stack(s) is located at least 25 feet away from the | |
| | | | lot line facing East 182nd Street, to avoid any potential significant adverse air quality | |
| | | | <u>impacts.</u> | |
| | | | Any new residential and/or commercial development must exclusively use natural | |
| 12 | 2405 | 40 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | |
| 12 | 3195 | 40 | systems, and ensure that the HVAC stack(s) is located at least 105 feet above grade, | |
| | | | and at least 30 feet away from the lot line facing Jerome Avenue, to avoid any potential significant adverse air quality impacts. | |
| | 3195 | 90 | Any new residential and/or commercial development must exclusively use natural | |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | |
| | 3195 | 92 | systems, and ensure that the HVAC stack(s) is located at least 25 feet away from the | |
| 13 | 3195 | 84 | lot line facing Clinton Place, to avoid any potential significant adverse air quality | |
| | 3195 | 195 83 | impacts. | |
| | 3133 | 0.5 | impacts. | |
| | I . | | | |

| Site # | Tax Block | Tax Lot | (E) Designation | | | |
|--------|-----------|---------|--|------|---|--|
| | | | Any new residential and/or commercial development must exclusively use natural | | | |
| 45 | 0.1=0 | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | | | |
| | | 20 | systems, and ensure that the HVAC stack(s) is located at least 30 feet away from the | | | |
| 15 | 3179 | 30 | lot line facing East Burnside Avenue, to avoid any potential significant adverse air | | | |
| | | | quality impacts. | | | |
| | | | | | | |
| | 3179 | 8 | Any new residential and/or commercial development must exclusively use natural | | | |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | | | |
| 17 | | | systems, and ensure that the HVAC stack(s) is located at least 90 feet away from the | | | |
| | 3179 | 13 | lot line facing East 181st Street, to avoid any potential significant adverse air quality | | | |
| | | | <u>impacts.</u> | | | |
| | | | Any new residential and/or commercial development must exclusively use natural | | | |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | | | |
| 18 | 3192 | 66 | systems, and ensure that the HVAC stack(s) is located at least 70 feet away from the | | | |
| | | | lot line facing East 181st Street, and no more than 110 feet away from the lot line | | | |
| | | | facing East 181st Street, to avoid any potential significant adverse air quality impacts. | | | |
| | | | Any new residential and/or commercial development must exclusively use natural | | | |
| 19 | 3192 | 75 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | | | |
| | 3131 | , , | systems, and ensure that the HVAC stack(s) is located at least 175 feet above grade, | | | |
| | | | to avoid any potential significant adverse air quality impacts. | | | |
| | | | Any new residential and/or commercial development must exclusively use natural | | | |
| 24 | 2070 | 21 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | | | |
| 24 | 2870 | 31 | systems, and ensure that the HVAC stack(s) is located at least 155 feet above grade, | | | |
| | | | to avoid any potential significant adverse air quality impacts. | | | |
| | 2863 | 32 | | | | |
| | 2863 | 28 | Any new residential and/or commercial development must exclusively use natural | | | |
| 25 | 2863 | 30 | gas as the type of fuel for the heating, ventilating and air conditioning systems, to | | | |
| | 2863 | 40 | avoid any potential significant adverse air quality impacts. | | | |
| | 2863 | 35 | | | | |
| | | | Any new residential and/or commercial development must exclusively use natural | | | |
| | 3179 | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | | | |
| 27 | | 63 | systems, and ensure that the HVAC stack(s) is located at least 165 feet above grade. | | | |
| | | | and at least 50 feet away from the lot line facing Jerome Avenue, to avoid any | | | |
| | | | potential significant adverse air quality impacts. | | | |
| | | | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | | | |
| 28 | 3178 | 1 | systems, and ensure that the HVAC stack(s) is located at least 155 feet above grade, | | | |
| | | | to avoid any potential significant adverse air quality impacts. | | | |
| | | | Any new residential and/or commercial development must exclusively use natural | | | |
| 29 | 3178 | 60 | gas as the type of fuel for the heating, ventilating and air conditioning systems, to | | | |
| | <u> </u> | | avoid any potential significant adverse air quality impacts. | | | |
| | | | Any new residential and/or commercial development must exclusively use natural | | | |
| 30 | 2854 | 44 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | | | |
| 30 | 2854 | 7-7 | systems, and ensure that the HVAC stack(s) is located at least 175 feet above grade. | | | |
| | | | to avoid any potential significant adverse air quality impacts. | | | |
| | | | Any new residential and/or commercial development must exclusively use natural | | | |
| 32 | 2054 | 42 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | | | |
| | 2854 | 42 | systems, and ensure that the HVAC stack(s) is located at least 30 feet away from the lot line facing East 179th Street, to avoid any potential significant adverse air quality | | | |
| | | | impacts. | | | |
| | | | Any new residential and/or commercial development must exclusively use natural | | | |
| 33 | 2854 | 39 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) | | | |
| | 2034 | 2004 | 2034 | 2034 | _ | systems, and ensure that the HVAC stack(s) is located at least 40 feet away from the |

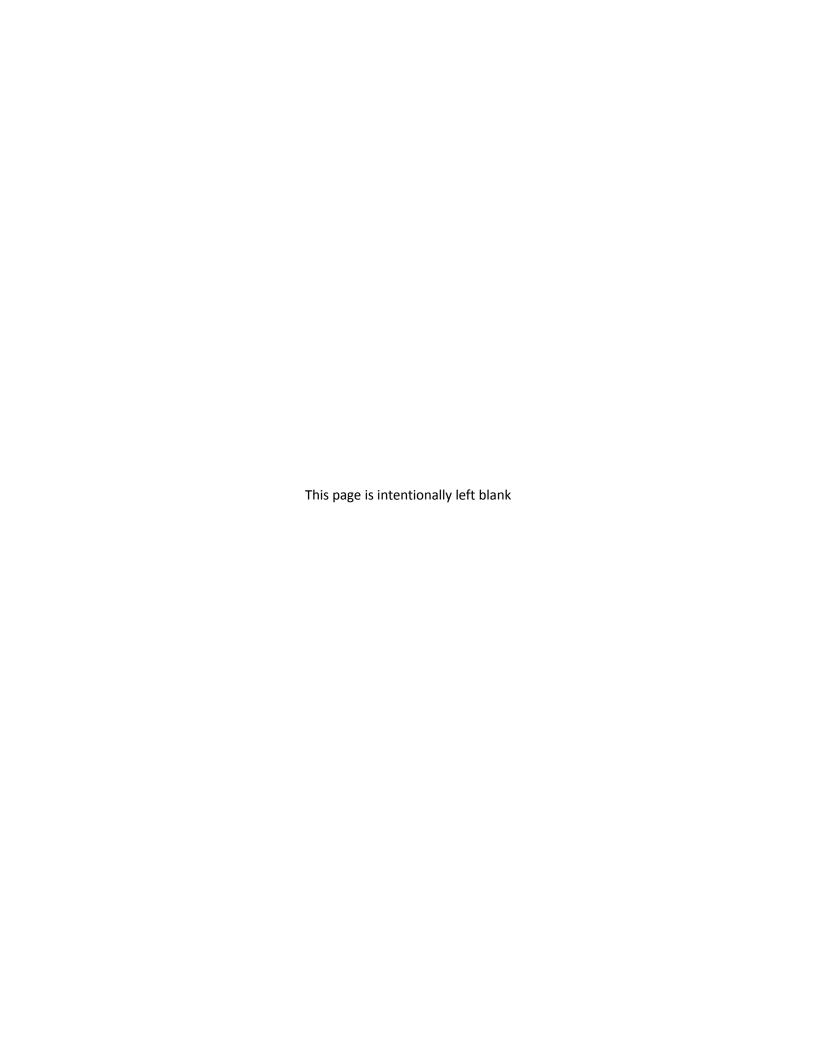
| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|---|
| | | | lot line facing East Burnside Avenue, to avoid any potential significant adverse air |
| | | | <u>quality impacts.</u> |
| 34 | 2863 | 46 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 30 feet away from the lot line facing West Tremont Avenue, and no more than 50 feet away from the line facing West Tremont Avenue, to avoid any potential significant adverse air quality impacts. |
| 36 | 2863 | 54 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 175 feet above grade, to avoid any potential significant adverse air quality impacts. |
| 37 | 2863 | 1 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning systems, to avoid any potential significant adverse air quality impacts. |
| 38 | 2862 | 90 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the lot line facing West 177th Street, to avoid any potential significant adverse air quality impacts. |
| 39 | 2853 | 17 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the lot line facing East Tremont Avenue, and at least 40 feet away from the lot line facing East 177th Street, to avoid any potential significant adverse air quality impacts. |
| 40 | 2862 | 103 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 40 feet away from the lot line facing East Tremont Avenue, to avoid any potential significant adverse air quality impacts. |
| | 2853 | 11 | Any new residential and/or commercial development must exclusively use natural |
| | 2853 | 9 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 41 | 2853 | 12 | systems, and ensure that the HVAC stack(s) is located at least 40 feet away from the |
| 41 | 2853 | 15 | lot line facing East Tremont Avenue, and at least 40 feet away from the lot line facing East 177th Street, to avoid any potential significant adverse air quality impacts. |
| | 2853 | 6 | Any new residential and/or commercial development must exclusively use natural |
| 42 | 2853 | 1 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the lot line facing East Tremont Avenue, to avoid any potential significant adverse air quality impacts. |
| | 2852 | 9 | Any new residential and/or commercial development must exclusively use natural |
| | 2852 | 4 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 43 | 2852 | 1 | systems, and ensure that the HVAC stack(s) is located at least 55 feet away from the lot line facing East 177th Street, to avoid any potential significant adverse air quality impacts. |
| 45 | 2850 | 9 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 165 feet above grade, and at least 70 feet away from the lot line facing East 175th Street, to avoid any potential significant adverse air quality impacts. |
| 46 | 2861 | 74 | |
| | - | - | |

| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|---|
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| | 2861 | 79 | systems, and ensure that the HVAC stack(s) is located at least 75 feet away from the |
| | 2801 | 73 | lot line facing West 176th Street, to avoid any potential significant adverse air quality |
| | | | <u>impacts.</u> |
| | 2849 | 5 | Any new residential and/or commercial development must exclusively use natural |
| 47 | | | gas as the type of fuel for the heating, ventilating and air conditioning systems, to |
| 4, | 2849 | 1 | avoid any potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| 49 | 2860 | 34 | gas as the type of fuel for the heating, ventilating and air conditioning systems, to |
| | | | avoid any potential significant adverse air quality impacts. |
| | 2859 | 44 | Any new residential and/or commercial development must exclusively use natural |
| | 2859 | 46 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 50 | | | systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the |
| 30 | 2859 | 50 | lot line facing Goble Place, to avoid any potential significant adverse air quality |
| | 2033 | 30 | <u>impacts.</u> |
| | 2859 | 26 | Any new residential and/or commercial development must exclusively use natural |
| 52 | 2859 | 51 | gas as the type of fuel for the heating, ventilating and air conditioning systems, to |
| | 2859 | 30 | avoid any potential significant adverse air quality impacts. |
| | 2859 | 18 | |
| | 2859 | 17 | Any new residential and/or commercial development must exclusively use natural |
| | 2859 | 5 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 54 | 2859 | 8 | systems, and ensure that the HVAC stack(s) is located 25 feet away from the lot line |
| | 2859 | 4 | facing Inwood Avenue, to avoid any potential significant adverse air quality impacts. |
| | 2859 | 89 | |
| | 2859 | 10 | |
| | 2846 | 4 | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 55 | | | systems, and ensure that the HVAC stack(s) is located at least 30 feet away from the |
| | 2846 | 1 | lot line facing East Mount Eden Avenue, to avoid any potential significant adverse air |
| | | | quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| FC | 2050 | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 56 | 2858 | 9 | systems, and ensure that the HVAC stack(s) is located at least 160 feet away from the |
| | | | southern lot line of lot 15 facing East 171st Street, to avoid any potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 57 | 2844 | 12 | systems, and ensure that the HVAC stack(s) is located at least 30 feet away from the |
| | | | lot line facing East 171st Street, to avoid any potential significant adverse air quality |
| | | | <u>impacts.</u> |
| | 2857 | 23 | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 58 | 2057 | 24 | systems, and ensure that the HVAC stack(s) is located at least 168 feet above grade, |
| | 2857 | 24 | and at least 40 feet away from the lot line facing West 170th Street, to avoid any |
| | | | potential significant adverse air quality impacts. |
| 59 | 2858 | 23 | |

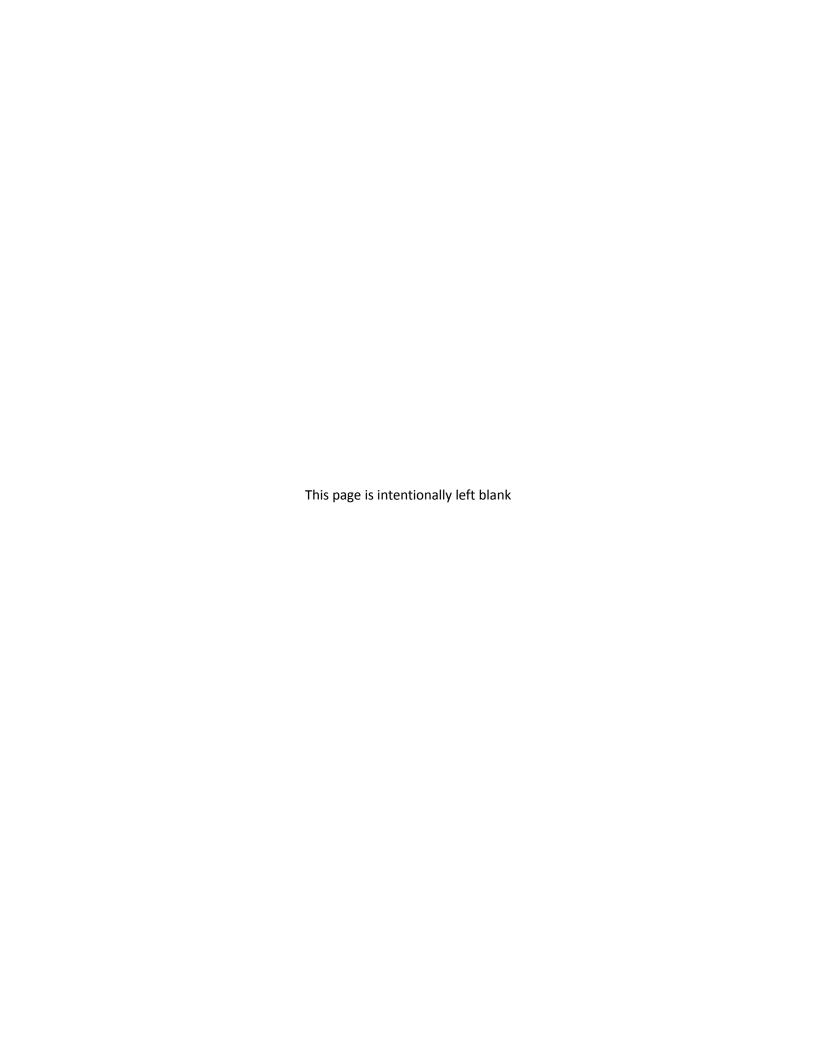
| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|--|
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| | 2858 | 28 | systems, and ensure that the HVAC stack(s) is located at least 60 feet away from the |
| | 2636 | 20 | lot line facing East 172nd Street, to avoid any potential significant adverse air quality |
| | | | impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| 60 | 2044 | 4 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 60 | 2844 | 1 | systems, and ensure that the HVAC stack(s) is located at least 40 feet away from the lot line facing East 172nd Street, to avoid any potential significant adverse air quality |
| | | | impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 61 | 2843 | 12 | systems, and ensure that the HVAC stack(s) is located at least 40 feet away from the |
| | | | lot line facing East 170th Street, to avoid any potential significant adverse air quality |
| | | | <u>impacts.</u> |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 62 | 2843 | 5 | systems, and ensure that the HVAC stack(s) is located at least 40 feet away from the |
| | | | lot line facing East 171st Street, and at least 100 feet away from the lot line facing |
| | | | East 170th Street, to avoid any potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| CA | 2042 | 10 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 64 | 2842 | 10 | systems, and ensure that the HVAC stack(s) is located at least 30 feet away from the |
| | | | lot line facing Walton Avenue, to avoid any potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| | | | systems, and ensure that the HVAC stack(s) is located at least 50 feet away from the |
| 65 | 2842 | 18 | lot line facing Jerome Avenue, and at least 25 feet away from the lot line facing |
| | | | Walton Avenue, to avoid any potential significant adverse air quality impacts. |
| | | | , |
| | | | Any new residential and/or commercial development must exclusively use natural |
| 66 | 2843 | 69 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| | | | systems, and ensure that the HVAC stack(s) is located at least 158 feet above grade, |
| | 20.42 | 42 | to avoid any potential significant adverse air quality impacts. |
| | 2842 | 42 | Any new residential and/or commercial development must exclusively use natural |
| 67 | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 07 | 2842 | 47 | systems, and ensure that the HVAC stack(s) is located at least 158 feet above grade, |
| | | | to avoid any potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 69 | 2833 | 1 | systems, and ensure that the HVAC stack(s) is located at least 153 feet above grade, |
| | | | to avoid any potential significant adverse air quality impacts. |
| | | | |
| 70 | 2833 | 37 | Any new residential and/or commercial development must exclusively use natural |
| | 2022 | 25 | gas as the type of fuel for the heating, ventilating and air conditioning systems, to |
| | 2833 | 35 | avoid any potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | 2857 | 71 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 71 | | | systems, and ensure that the HVAC stack(s) is located at least 40 feet away from the |
| | | | lot line facing East 170th Street, to avoid any potential significant adverse air quality |
| | | | impacts. |

| Site # | Tax Block | Tax Lot | (E) Designation |
|---------|-----------|---------|---|
| 5135 11 | | | Any new residential and/or commercial development must exclusively use natural |
| 72 | 2857 | 90 | gas as the type of fuel for the heating, ventilating and air conditioning systems, to |
| | | | avoid any potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 73 | 2857 | 64 | systems, and ensure that the HVAC stack(s) is located at least 153 feet above grade, |
| | | | and at least 30 feet away from the lot line facing Plaza Drive, to avoid any potential |
| | | | significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| 74 | 2872 | 82 | gas as the type of fuel for the heating, ventilating and air conditioning systems, to |
| | | | avoid any potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| 75 | 2872 | 86 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| /5 | 28/2 | 80 | systems, and ensure that the HVAC stack(s) is located at least 158 feet above grade, |
| | | | to avoid any potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 77 | 2871 | 78 | systems, and ensure that the HVAC stack(s) is located no more than 23 feet away |
| ,, | 2071 | 70 | from the lot line facing West 169th Street, to avoid any potential significant adverse |
| | | | air quality impacts. |
| | | | |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 82 | 2522 | 96 | systems, and ensure that the HVAC stack(s) is located at least 28 feet away from the |
| 0_ | | | lot line facing Ogden Avenue, to avoid any potential significant adverse air quality |
| | | | <u>impacts.</u> |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| | 2856 | | systems, and ensure that the HVAC stack(s) is located at least 15 feet away from the |
| 84 | | 29 | lot line facing West 170th Street, and no more than 84 feet away from the lot line |
| | | | facing West 170th Street, to avoid any potential significant adverse air quality |
| | | | impacts. |
| | | | impucts. |
| | 2856 | 19 | Any new residential and/or commercial development must exclusively use natural |
| | 2856 | 23 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| | 2856 | 24 | systems, and ensure that the HVAC stack(s) is located at least 90 feet away from the |
| 85 | | | lot line facing West 170th Street, and no more than 110 feet away from the lot line |
| 65 | | | facing West 170th Street, and at least 25 feet away from the lot line facing Inwood |
| | 2856 | 20 | Avenue, and no more than 42 feet away from the lot line facing Inwood Avenue, to |
| | | | avoid any potential significant adverse air quality impacts. |
| | | | |
| | | | Any new residential and/or commercial development must exclusively use natural |
| | | | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) |
| 87 | 2856 | 45 | systems, and ensure that the HVAC stack(s) is located no more than 44 feet away |
| | | | from the lot line facing East 170th Street, to avoid any potential significant adverse |
| | | | air quality impacts. Any new residential and/or commercial development must exclusively use natural |
| 88 | | | Any new residential and/or commercial development must exclusively use natural |
| | 2856 | 2856 49 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 175 feet above grade, |
| | | 43 | and at least 198 feet away from the lot line facing Inwood Avenue, to avoid any |
| | | | potential significant adverse air quality impacts. |
| | | | Any new residential and/or commercial development must exclusively use natural |
| 89 | 2856 | 53 | gas as the type of fuel for the heating, ventilating and air conditioning systems, to |
| | | | avoid any potential significant adverse air quality impacts. |
| | | | ====================================== |

| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|--|
| 90 | 2871 | 2 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located no more than 140 feet away from the lot line facing West 169th Street, and at least 25 feet away from the lot line facing Cromwell Avenue, to avoid any potential significant adverse air quality impacts. |
| | 2506 | 54 | Any new residential and/or commercial development must exclusively use natural |
| 92 | 2506 | 44 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 150 feet away from the lot line facing West 168th Street, and no more than 240 feet away from the lot line facing West 168th Street, and at least 35 feet away from the lot line facing Edward L Grant Highway, to avoid any potential significant adverse air quality impacts. |
| 93 | 2506 | 62 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 110 feet away from the lot line facing West 168th Street, to avoid any potential significant adverse air quality impacts. |
| | 2489 | 11 | Any new residential and/or commercial development must exclusively use natural |
| 94 | 2489 | 14 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 30 feet away from the lot line facing East 167th Street, to avoid any potential significant adverse air quality impacts. |
| 97 | 2496 | 58 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 30 feet away from the lot line facing McClellan Street, and at least 20 feet away from the lot line facing East 167th Street, to avoid any potential significant adverse air quality impacts. |
| | 2488 | 23 | Any new residential and/or commercial development must exclusively use natural |
| 98 | 2488 | 20 | gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 205 feet above grade, to avoid any potential significant adverse air quality impacts. |
| 99 | 2496 | 73 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 90 feet away from the lot line facing East 167th Street, to avoid any potential significant adverse air quality impacts. |
| 100 | 2487 | 20 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 218 feet above grade, and at least 50 feet away from the lot line facing McClellan Street, at least 55 feet away from the lot line facing East 165th Street, and no more than 55 feet away from the lot line facing River Avenue, to avoid any potential significant adverse air quality impacts. |
| 101 | 2487 | 10 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 140 feet away from the lot line facing McClellan Street, to avoid any potential significant adverse air quality impacts. |



Appendix F2: Proposed Air Quality (E) Designations (Expanded Rezoning Area Alternative)



<u>Introduction</u>

According to Chapter 20, "Alternatives", to preclude the potential for significant adverse air quality impacts on other projected and potential developments or existing buildings from emissions produced by the proposed HVAC systems, an (E) designation (E–442) would be assigned as part of the Proposed Actions Expanded Rezoning Area Alternative. The (E) designation would be required for a total of 27 projected and potential development sites (including five projected and 22 potential development sites), in addition to the 106 projected and potential development sites (including 33 projected and 73 potential development sites) affected under the Proposed Actions.

These designations would specify the various restrictions, such as type of fuel to be used, the distance that the vent stack on the building roof must be from its lot line(s), and/or the above-grade stack height. The descriptions and requirements of the proposed (E) Designations for these sites with respect to HVAC systems are presented in **Tables F2.1** and **F2.2** below.

Table F2.1: Projected Sites Required (E) Designations – Expanded Rezoning Area Alternative

| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|---|
| 48 | 2861 | 140 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 25 feet away from the lot line facing West 177th Street, and at least 40 feet away from the lot line facing West 176th Street, to avoid any potential significant adverse air quality impacts. |
| 49 | 2861 | 80 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 125 feet above grade, and no more than 60 feet away from the lot line facing West Clifford Place, to avoid any potential significant adverse air quality impacts. |
| 50 | 2861 | 35 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 20 feet away from the lot line facing Featherbed Lane, to avoid any potential significant adverse air quality impacts. |
| | 2872 | 74 | Any new residential and/or commercial development must exclusively use natural gas |
| 51 | 2872 | 78 | as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 40 feet away from the lot line facing Goble Place, and at least 80 feet away from the lot line facing Goble Place, to avoid any potential significant adverse air quality impacts. |
| | 2855 | 51 | Any new residential and/or commercial development must exclusively use natural gas |
| 52 | 2855 | 45 | as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 128 feet above grade, and at least 145 |
| | 2855 | 53 | feet away from the lot line facing Clarke Place Street, to avoid any potential significant adverse air quality impacts. |

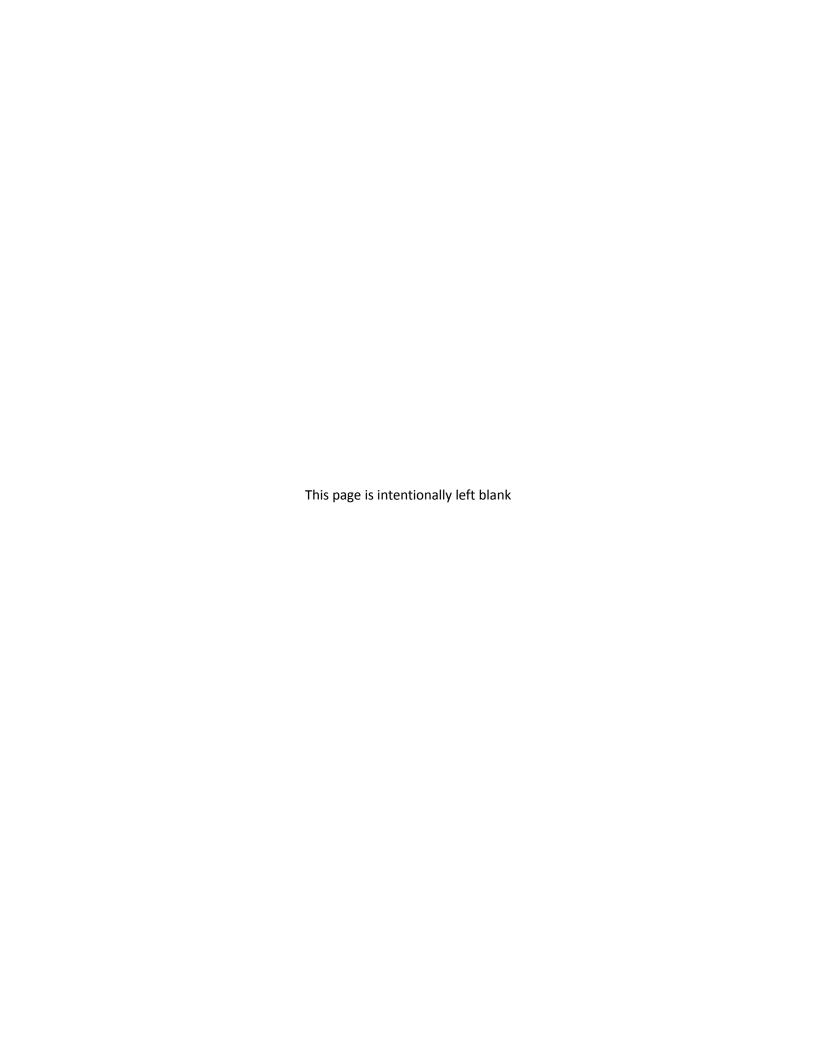
<u>Table F2.2:</u> Potential Sites Required (E) <u>Designations</u> – Expanded Alternative

| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|--------------|---|
| | | | Any new residential and/or commercial development must exclusively use natural gas |
| 102 | 2861 | 145 | as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and |
| | | | ensure that the HVAC stack(s) is located at least 125 feet above grade, and at least 30 |
| | | | feet away from the lot line facing Davidson Avenue, to avoid any potential significant |
| | | | <u>adverse air quality impacts.</u> |
| | | | Any new residential and/or commercial development must exclusively use natural gas |
| | | | as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and |
| 103 | 2861 | 148 | ensure that the HVAC stack(s) is located at least 40 feet away from the lot line facing |
| | | | West 177th Street, and at least 30 feet away from the lot line facing Davidson Avenue, |
| | 2064 | | to avoid any potential significant adverse air quality impacts. |
| | 2861 | 154 | Any new residential and/or commercial development must exclusively use natural gas |
| | | | as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and |
| 104 | 2001 | 151 | ensure that the HVAC stack(s) is located at least 50 feet away from the lot line facing |
| | 2861 | 151 | West 177th Street, and at least 30 feet away from the lot line facing Davidson Avenue, |
| | | | to avoid any potential significant adverse air quality impacts. |
| | 2861 | 86 | Any new residential and/or commercial development must exclusively use natural gas |
| 100 | | | as the type of fuel for the heating, ventilating and air conditioning systems, to avoid any |
| 106 | 2861 | 91 | potential significant adverse air quality impacts. |
| | | | potential significant au titot an quantif impactor |
| | | | Any new residential and/or commercial development must exclusively use natural gas |
| 107 | 2861 | 94 | as the type of fuel for the heating, ventilating and air conditioning systems, to avoid any |
| 107 | 2001 | 34 | potential significant adverse air quality impacts. |
| | | | |
| | 2861 | 25 | Any new residential and/or commercial development must exclusively use natural gas |
| | 2861 | 26 | as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and |
| 108 | 2861 | 27 | ensure that the HVAC stack(s) is located at least 25 feet away from the lot line facing |
| | 2861 | 28 | West Clifford Place, and at least 40 feet away from the lot line facing Featherbed Lane, |
| | 2861 | 29 | to avoid any potential significant adverse air quality impacts. |
| | 2861 | 32 | Any new residential and/or commercial development must exclusively use natural gas |
| | 2861 | 34 | as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and |
| 109 | 2861 | 30 | ensure that the HVAC stack(s) is located at least 50 feet away from the lot line facing |
| 103 | 2001 | | West Clifford Place, and no more than 90 feet away from the lot line facing West |
| | 2861 | 31 | Clifford Place, to avoid any potential significant adverse air quality impacts. |
| | | | |
| | 2861 | 1 | Any new residential and/or commercial development must exclusively use natural gas |
| 110 | 2004 | 20 | as the type of fuel for the heating, ventilating and air conditioning systems, to avoid any |
| | 2861 | 39 | potential significant adverse air quality impacts. |
| | 2872 | 170 | Any new residential and/or commercial development must exclusively use natural gas |
| | 20,2 | 170 | as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and |
| 112 | 2872 | 177 | ensure that the HVAC stack(s) is located at least 98 feet away from the lot line facing |
| | | | Goble Place, and at least 45 feet away from the lot line facing Cromwell Avenue, to |
| | | | avoid any potential significant adverse air quality impacts. |
| | | | , personal grant migratur |
| 113 | 2872 | 182 | Any new residential and/or commercial development must exclusively use natural gas |
| | | | as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and |
| | 2872 | 179 | ensure that the HVAC stack(s) is located at least 103 feet above grade, and no more |
| | | | than 40 feet away from the lot line facing Goble Place, and at least 40 feet away from |
| | | | the lot line facing Cromwell Avenue, to avoid any potential significant adverse air |
| | | | <u>quality impacts.</u> |
| | | | |

| Site # Tax Block Tax Lot (E) Designation Any new residential and/or commercial development must exclusive as the type of fuel for the heating, ventilating and air conditioning ensure that the HVAC stack(s) is located at least 108 feet above potential significant adverse air quality impacts. Any new residential and/or commercial development must use and air conditioning (HVAC) system fitted with low NOx (30 ppm natural gas, and ensure that the HVAC stack(s) is located at least | ng (HVAC) systems, and |
|---|--------------------------|
| 114 2872 183 as the type of fuel for the heating, ventilating and air conditioning ensure that the HVAC stack(s) is located at least 108 feet above potential significant adverse air quality impacts. 2857 48 Any new residential and/or commercial development must use and air conditioning (HVAC) system fitted with low NOx (30 ppm) | ng (HVAC) systems, and |
| 114 2872 183 ensure that the HVAC stack(s) is located at least 108 feet above potential significant adverse air quality impacts. 2857 48 Any new residential and/or commercial development must use and air conditioning (HVAC) system fitted with low NOx (30 ppm | |
| potential significant adverse air quality impacts. 2857 48 Any new residential and/or commercial development must use 2857 45 and air conditioning (HVAC) system fitted with low NOx (30 ppm | grade, to avoid arry |
| 2857 48 Any new residential and/or commercial development must use 2857 45 and air conditioning (HVAC) system fitted with low NOx (30 ppm | |
| 2857 45 and air conditioning (HVAC) system fitted with low NOx (30 ppm | |
| | the heating, ventilating |
| natural gas, and ensure that the HVAC stack(s) is located at least | |
| | t 140 feet away from |
| the lot line facing Goble Place, and at least 25 feet away from the | e lot line facing |
| 2857 15 <u>Cromwell Avenue, and at least 122 feet away from the lot line fa</u> | acing Inwood Avenue, to |
| avoid any potential significant adverse air quality impacts. | |
| Any new residential and/or commercial development must excl | usively use natural gas |
| as the type of fuel for the heating, ventilating and air conditioning | ng (HVAC) systems, and |
| ensure that the HVAC stack(s) is located at least 108 feet above | grade, and at least 90 |
| <u>feet away from the lot line facing West 170th Street, and at leas</u> | |
| lot line facing Inwood Avenue, and at least 118 feet away from t | |
| <u>Cromwell Avenue, to avoid any potential significant adverse air</u> | |
| Any new residential and/or commercial development must excl | |
| as the type of fuel for the heating, ventilating and air conditioning | |
| 117 2857 8 ensure that the HVAC stack(s) is located at least 70 feet away from the stack of the | |
| West 170th Street, and no more than 100 feet away from the lo | |
| Street, and at least 120 feet away from the lot line facing Inwoo | d Avenue, to avoid any |
| potential significant adverse air quality impacts. | |
| Any new residential and/or commercial development must use | |
| and air conditioning (HVAC) system fitted with low NOx (30 ppm 118 2864 25 natural gas, and ensure that the HVAC stack(s) is located at least | |
| the lot line facing Cromwell Avenue, and at least 60 feet away fr | |
| Inwood Avenue, to avoid any potential significant adverse air qu | |
| Any new residential and/or commercial development must excl | |
| as the type of fuel for the heating, ventilating and air conditioning | |
| ensure that the HVAC stack(s) is located at least 118 feet above | |
| 119 2864 21 Ensure that the HVAC stack(s) is located at least 110 feet above feet away from the lot line facing Cromwell Avenue, and at least | |
| the lot line facing Inwood Avenue, to avoid any potential signific | • |
| impacts. | <u> </u> |
| 2864 69 <u>Any new residential and/or commercial development must excl</u> | |
| 2864 70 <u>as the type of fuel for the heating, ventilating and air conditioning</u> | |
| 120 <u>ensure that the HVAC stack(s) is located no more than 40 feet and 120</u> | |
| 2864 71 <u>facing West 170th Street, and at least 25 feet away from the lot</u> | |
| Avenue, to avoid any potential significant adverse air quality im | pacts. |
| 2864 72 <u>Any new residential and/or commercial development must excl</u> | usively use natural gas |
| 2864 73 <u>as the type of fuel for the heating, ventilating and air conditioning</u> | ng (HVAC) systems, and |
| ensure that the HVAC stack(s) is located at least 40 feet away from | om the lot line facing |
| 2864 74 West 170th Street, and at least 25 feet away from the lot line fa | cing Inwood Avenue, to |
| avoid any potential significant adverse air quality impacts. | |
| 2864 8 Any new residential and/or commercial development must excl | usively use natural gas |
| as the type of fuel for the heating, ventilating and air conditionin | |
| ensure that the HVAC stack(s) is located at least 20 feet away from | |
| 122 Clarke Place West, at least 45 feet away from the lot line facing | |
| 2864 1 Least 50 feet away from the lot line facing Cromwell Avenue, to | |
| significant adverse air quality impacts. | |
| | |

| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|---|
| 123 | 2871 | 69 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 60 feet from the lot line facing West 169th Street, to avoid any potential significant adverse air quality impacts. |
| 124 | 2855 | 42 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 123 feet above grade, to avoid any potential significant adverse air quality impacts. |
| 125 | 2855 | 65 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 20 feet away from the lot line facing Clarke Place West, to avoid any potential significant adverse air quality impacts. |

Appendix F3: Proposed Air Quality (E) Designations (A-Application Alternative)



<u>Introduction</u>

According to Chapter 20, "Alternatives", to preclude the potential for significant adverse air quality impacts on other projected and potential developments or existing buildings from emissions produced by the proposed HVAC systems, an (E) designation (E–442) would be assigned as part of the Proposed Actions A-Application Alternative. The (E) designation would be required for a total of five projected and potential development sites (including one projected and four potential development sites), in addition to the 106 projected and potential development sites (including 33 projected and 73 potential development sites) affected under the Proposed Actions.

These designations would specify the various restrictions, such as type of fuel to be used, the distance that the vent stack on the building roof must be from its lot line(s), and/or the above-grade stack height. The descriptions and requirements of the proposed (E) Designations for these sites with respect to HVAC systems are presented in Tables F3.1 and F3.2 below.

<u>Table F3.1:</u> Projected Sites Required (E) Designations – A-Application Alternative

| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|---|
| 52 | 2855 | 51 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 128 feet above grade, and at least 145 feet away from the lot line facing Clarke Place Street, to avoid any potential significant adverse air quality impacts. |
| | 2855 | 45 | |
| | 2855 | 53 | |

Table F3.2: Potential Sites Required (E) Designations – A-Application Alternative

| Site # | Tax Block | Tax Lot | (E) Designation |
|--------|-----------|---------|---|
| 118 | 2864 | 25 | Any new residential and/or commercial development must use the heating, ventilating and air conditioning (HVAC) system fitted with low NOx (30 ppm) burners firing only natural gas, and ensure that the HVAC stack(s) is located at least 120 feet away from the lot line facing Cromwell Avenue, and at least 60 feet away from the lot line facing Inwood Avenue, to avoid any potential significant adverse air quality impacts. |
| 119 | 2864 | 21 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 118 feet above grade, and at least 25 feet away from the lot line facing Cromwell Avenue, and at least 120 feet away from the lot line facing Inwood Avenue, to avoid any potential significant adverse air quality impacts. |
| 124 | 2855 | 42 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least 123 feet above grade, to avoid any potential significant adverse air quality impacts. |
| 125 | 2855 | 65 | Any new residential and/or commercial development must exclusively use natural gas as the type of fuel for the heating, ventilating and air conditioning (HVAC) systems, and ensure that the HVAC stack(s) is located at least <u>25</u> feet away from the lot line facing Clarke Place West, to avoid any potential significant adverse air quality impacts. |