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May 12th, 2023

Village of Montgomery Planning Board
133 Clinton Street
Montgomery, NY 12549
**ATTN: Kevin Conero, Chairman**

**RE: KSH ROUTE 211 DEVELOPMENT, LLC**
**UNION STREET, VILLAGE OF MONTGOMERY**
**PUBLIC HEARING RESPONSE LETTER**

Dear Chairman Conero and Board Members,

Truck Parking

Based on the Village Code, and the applicants' experience, sufficient truck parking is available on the site. Per Village of Montgomery Code, the required number of truck loading spaces is 2 spaces per 40,000 square feet of gross floor area and therefore a total of only 12 spaces are required for all four buildings. In considering industry standards a Class A warehouse should provide 1 loading space per 5,000 square gross floor area which would equate to 56 loading spaces. The applicant is proposing 94 spaces for loading/parking and has defined 8 additional spaces for truck parking for an ability to load/park 102 trucks. Considering the above, a range of from 46 to 90 locations for trucks to park are expected to be available.

Sound Barriers

All exterior sound barriers have been changed from 6 feet to 8 feet in order to provide additional sound attenuation and headlight screening for areas of the site facing Weaver Street and Union Ave. Note that the parking area along Weaver is restricted to cars and no trucks are proposed to park or travel through this area. Appropriate signs with these restrictions are shown on the plans. In lieu of a sound barrier along the southern side of the project entrance, giant green arborvitaes will be planted to limit sound. These alternatives are addressed in the attached letter from B. Laing Associates dated May 2, 2023.

Below is a photo of the proposed sound wall. The wall will be painted an earthtone color to complement the buildings. Additional information on the Plywall fence is included on sheet C-304.

Plywall Sound Barrier

Traffic

Signs restricting truck traffic to travel westbound on NYS Route 211 have been added to the plan. Also the entrance has been realigned to be directly across from Chandler Lane. This realignment will reduce headlights shining onto adjoining properties. The applicant is offering to pay for the installation of 6ft – 8ft evergreen landscape screening on the property at the corner of Chandler Lane and NYS Route 211. This will also help mitigate the headlights that shine towards this residence for cars that are currently on NYS Route 211 turning right onto Chandler Lane. See the below photos:

Existing Driveway Alignment

Proposed Alignment

Property Assessment

Regarding the property assessment and buildable acreage, the Town tax assessor uses different methods to evaluate buildable area and to determine assessment. The ACOE has confirmed the extent of the wetlands and the Village has confirmed the buildable area on the site.

If you have any questions or comments, please don't hesitate to contact our office or anyone of the project team members.

Sincerely,

Engineering & Surveying Properties, PC

Ross Winglovitz, P.E.
Principal

Zach Szabo, E.I.T.
Project Engineer

w/enclosures

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May 2, 2023

Jason T. Anderson, AIA | Principal
Anderson Design Group
25 Wallkill Avenue
Montgomery, NY 12549
via: jta@adgarchitect.com

**Re: Proposed KSH Warehouses, Village of Montgomery, NY – Noise Mitigation Adjustments**

Dear Jason,

Following up on the April 2023 Hearing before the Planning Board of the Village of Montgomery, NY, I have conducted test calculations for two changes to the project's proposed noise/sound barrier mitigation. These two changes and the results (as provided in the attached Appendix A) are as follows:

1. At the site's main proposed entry, a row of closely planted evergreens will suffice in lieu of a fence as Sound mitigation on the southern side of the exiting traveled lane. The densely planted evergreens (as below) will have a damping effect of approximately 4 dB(A) vs. the 2 dB(A) previously predicted. The sound levels will be 67 dB(A) as a result of truck traffic. This will be below the Village's industrial to industrial zoned, daytime and nighttime standard of 70 dB(A). The 6 foot fence originally proposed can be dropped. The replacement evergreens must be two rows at least 6 feet tall and touch side-side when planted. They cannot be a pine – *Pinus sp.* but rather a spruce – *Picea sp.* Pine species lose their lower limbs and needles as they grow; spruce species do not. They must have a 1" mesh deer fence placed around them and be fertilized with a urea-based fertilizer for the first few years to allow them to become established and remain in full "foliage."
2. I have also tested a higher fence (i.e., 8 feet tall) along the outer edge of the Site's perimeter road facing toward NY Route 211 and Weaver Street. The 8 foot fence would add 2 dB(A) of sound mitigation to the southern and eastern sides of those fences (i.e., toward the neighboring lots). This will create a sound level at Receptor location 1 of 46 dB(A) [vs. 48 dB(A) in the prior analysis]. This will readily meet the Village's nighttime standard of 51 dB(A) at an industrial/residential boundary as represented along the eastern property boundary adjacent to Weaver Street[1].

[1] This continues to have a built-in conservative factor as the boundary used was the single lot along Weaver Street which extends some 125 feet into the industrial zone. Further, Receptor locations 2a and 2b would also see an added 2 dB(A) decline.

If I can be of any assistance to you, please do not hesitate to contact us at your earliest convenience.

Thank you very much.

Sincerely,

Michael P. Bontje, Senior Scientist

## APPENDIX A
## Sound Barrier Insertion Losses
## Mitigation Adjustments
## May 2023

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NOISE Barrier Insertion Loss Estimate** | | | | | | 5/2/2023 | | MONTGOMERY-Res NE | | | | |
| PROJECT | MONTGOMERY, NY, 1000 Hz | | | | Hz | Frequency | 1,000 | Speed Sound | | | 1126 | ft/sec |
| | | | | VALUE | | | | | | | | |
| SOURCE | | | | Ground A | | Diagnl A | | Diagnl A | | | | |
| | **Vehc, Vans/Box trucks** | | | | | Squared | | | | | | |
| Distance to Barrier: | | | | 40 | ft. | 1625 | | 40.31129 | | | | |
| Height | | | | 3 | ft. | | | | | | | |
| RECIEVER | | | | Ground B | | Diagnl B | | Diagnl B | | | | |
| | | | | | | Squared | | | | | | |
| Distance fromBarrier: | | | | 150 | ft. | 22509 | | 150.03 | | | | |
| Height | | | | 5 | ft. | | | | | | | |
| | | | | Ground C | | | | | | | | |
| Ditsance TOTAL: | | | | 190 | ft. | | | | | | | |
| Barrier height: Wall/Fence at Grade | | | | 8 | ft. | | | | | | | |
| | | | | | | **N=** | 0.606191 | | | | | |
| ATTENUATION:* | | | | LOG N | tanH | | Sq. Rt. | 2PieN | | | | |
| **A =** | 5 | | | 2.764967 | 1.374828 | 0.800888 | 1.101083 | 1.212383 | | | | |
| | **A =** | 7.764967 | | | Absorbtive Effect | | 0 | Ground/Other | | | 3.0 | |
| | **TOTAL:** | 10.8 | | | | | | Treed Wetland | | | | |

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| NOISE Barrier Insertion Loss Estimate | | | | | | 5/2/2023 | | West Entry Insertion Loss to Property Line | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | EVERGREENS | | |
| PROJECT MONTGOMERY, NY, 1000 Hz | | | | | Hz | Frequency: | 1000 | Speed Sound | | 1126 | ft/sec |
| | | | | VALUE | | | | | | | |
| SOURCE | Trucks - Entry Lane | | | Ground A | | Diagnl A | | Diagnl A | | | |
| | | | | | | Squared | | | | | |
| Distance to Barrier: | | | | 12 | ft. | 180 | | 13.41641 | | | |
| Height | | | | 12 | ft. | | | | | | |
| | | | | | | | | | | | |
| RECIEVER | | | | Ground B | | Diagnl B | | Diagnl B | | | |
| | | | | | | Squared | | | | | |
| Distance from Barrier: | | | | 12 | ft. | 144 | | 12.00 | | | |
| Height | | | | 6 | ft. | | | | | | |
| | | | | Ground C | | | | | | | |
| Ditsance TOTAL: | | | | 24 | ft. | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Barrier height: | | | | 6 | ft. | | | | | | |
| | | | | | | | | | | | |
| | | | | | | N= | 2.515822 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| ATTENUATION:* | | | | LOG N | tanH | | Sq. Rt. | 2PieN | | | |
| | A = | -3 | | 7.212759 | 2.294235 | 0.9777256 | 2.243133 | 5.031644 | | | |
| | | | | | | | | | | | |
| | | A = | 4.212759 | | Absorbtive Effect | | 0 | Ground/Other | | 0 | |
| | | TOTAL: | 4.212759 | | | | | Treed Wetland | | | |
| ANDMTG01 | | | | | | | | | | | |

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