

AHA Master Plan Amendment

Sound Wall Study/ Michillinda Basketball/Volleyball Court

The soundwall would be located approximately 10 feet back from the edge of the existing parking lot paving, subject to field verification. The approximate length on Grandview is 180 lineal feet and the approximate length on Michillinda is 80 lineal feet. The recommended height of the soundwall is 10 feet.

Option One

10 foot tall chain link fence/ 1pfs exterior sound blanket – approximate 20 dBA noise reduction

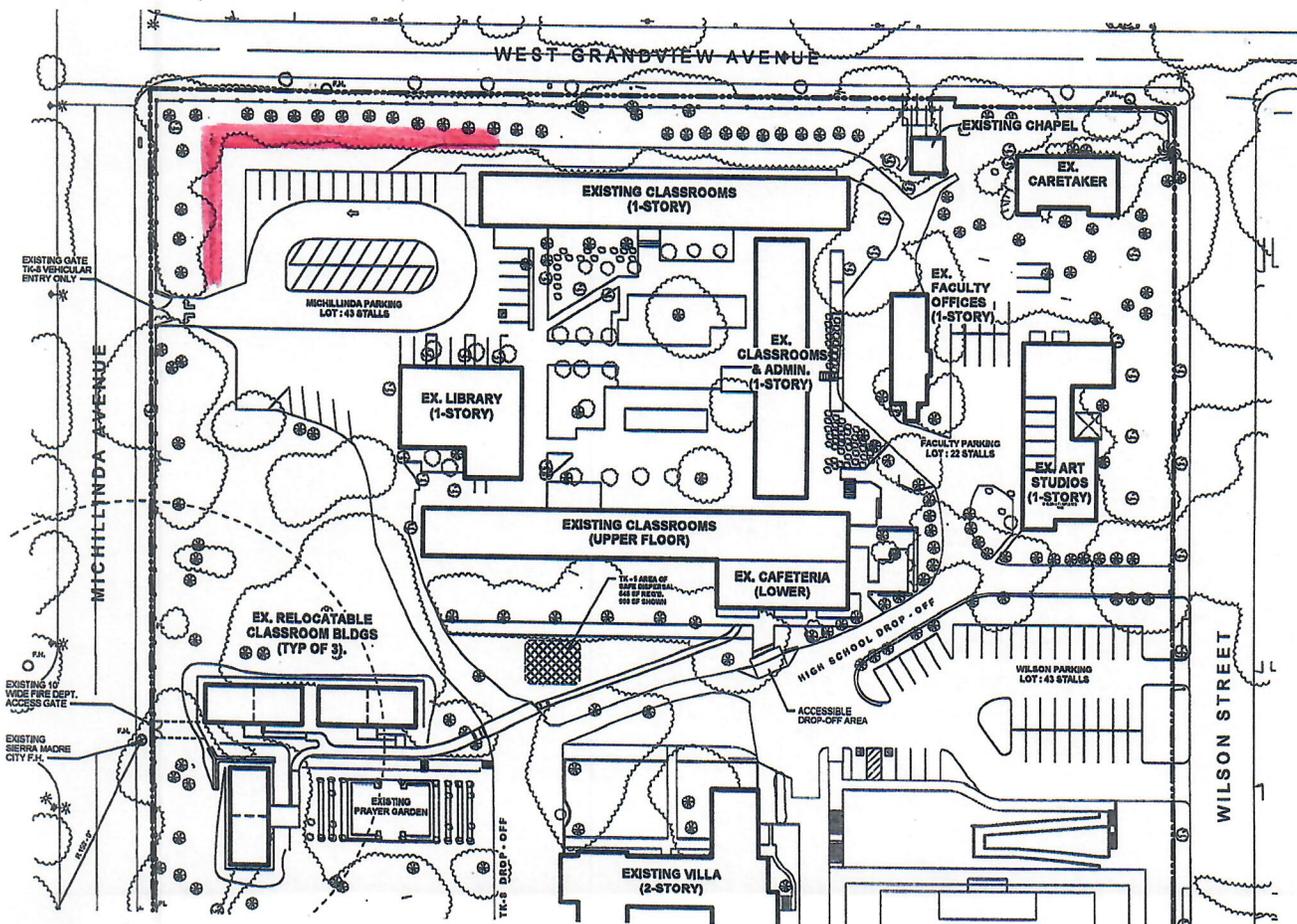
Option Two

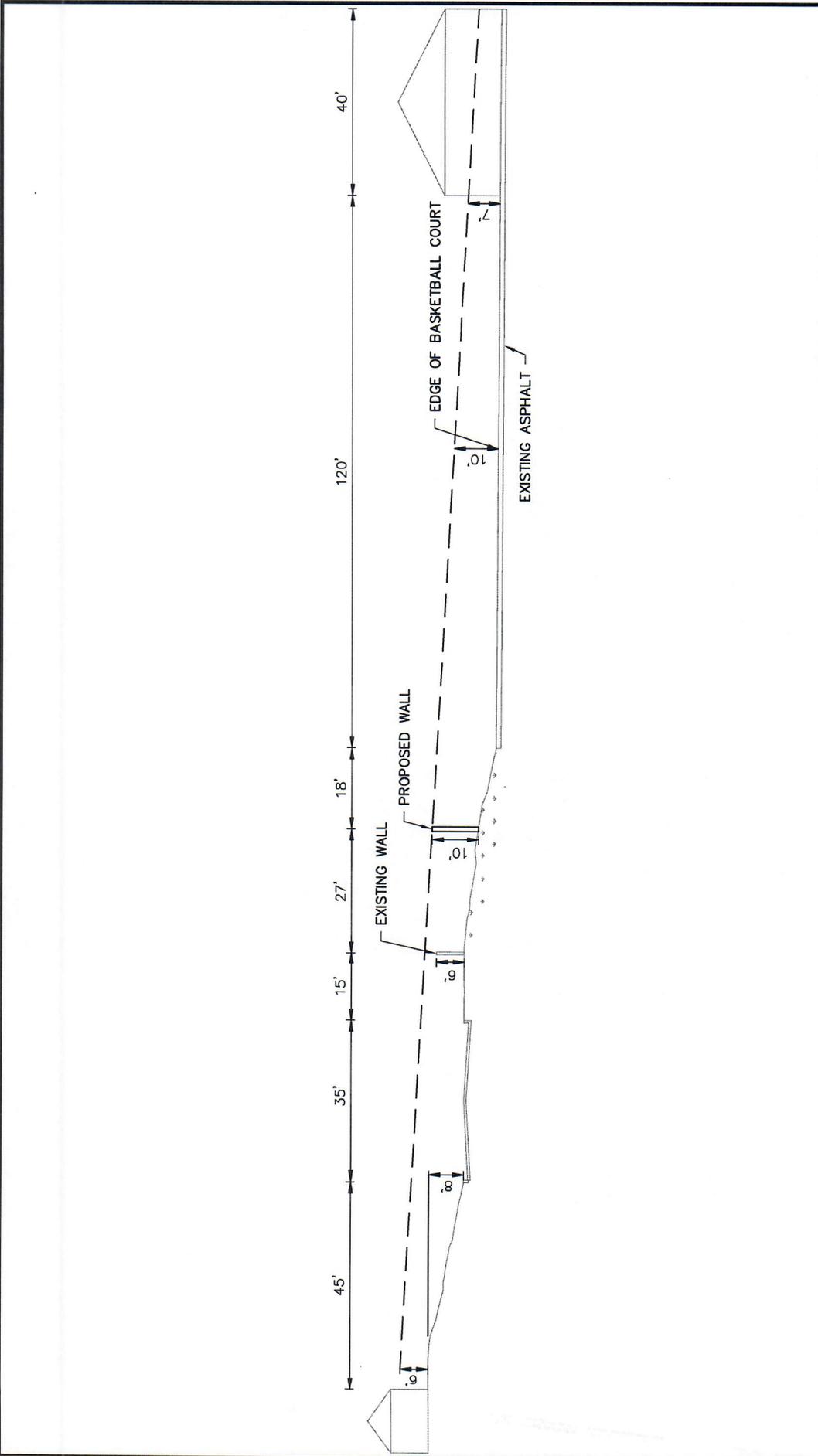
10 foot tall plywood fencing/ 1 pfs exterior sound blanket/ ¾ inch plywood/ 4 inch metal posts/ ¾ inch plywood/ 1 pfs exterior sound blanket – approximate 20 to 30 dBA noise reduction

Option Three

8 foot modular sound barrier, prefabricated panels with vertical steel columns – approximate 35 dBA noise reduction

Concept Site Plan





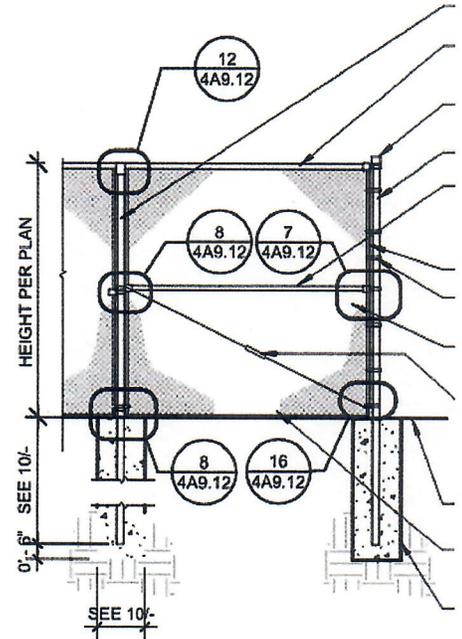
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**ALVERNO HIGH SCHOOL
 EXHIBIT**

| | | | |
|------------------|-----------------|----------------|---------------|
| DATE: 10/27/2022 | SCALE: 1" = 20' | DRAWN BY: S.G. | SHEET: 1 OF 1 |
|------------------|-----------------|----------------|---------------|

DRAWING: EXHIBIT.DWG

| ITEM | HEIGHT | NOMINAL PIPE SIZE (INCHES) | OUTSIDE DIAMETER (INCHES) | WEIGHT (POUNDS PER FOOT) | FOOTINGS | |
|---|------------------|----------------------------|---------------------------|--------------------------|-------------------|----------------|
| | | | | | DIAMETER (INCHES) | DEPTH (INCHES) |
| TOP, BOTTOM, BRACE AND TRANSOM RAILS | UP TO 10'-0" | 1-5/8 | 1.650 | 2.27 | N/A | N/A |
| | 10'-1" TO 16'-0" | 1-7/8 | 1.900 | 2.72 | N/A | N/A |
| LINE POSTS | UP TO 6'-0" | 2-3/8 | 2.375 | 3.65 | 12 | 24 |
| | 6'-1" TO 8'-0" | 2-3/8 | 2.375 | 3.65 | 12 | 36 |
| | 8'-1" TO 10'-0" | 2-7/8 | 2.875 | 5.80 | 12 | 36 |
| | 10'-0" TO 16'-0" | 3-1/2 | 3.5 | 7.58 | 14 | 60 |
| | 14'-0" TO 16'-0" | 4 | 4.000 | 9.12 | 14 | 60 |
| TERMINAL, CORNER, ANGLE & PULL POSTS | UP TO 6'-0" | 2-1/2 | 2.875 | 5.79 | 12 | 36 |
| | 6'-0" TO 10'-0" | 2-1/2 | 2.875 | 5.79 | 14 | 42 |
| | 10'-1" TO 16'-0" | 3 | 3.5 | 7.58 | 14 | 60 |
| | 20'-0" | 4 | 4.000 | 9.12 | 18 | 60 |
| | 30'-0" | 4 | 4.000 | 9.12 | 18 | 72 |
| PEDESTRIAN GATE POST | UP TO 6'-0" | 2-1/2 | 2.875 | 5.79 | 14 | 36 |
| GATE FRAMES | UP TO 6'-0" | 1-1/2 | 1.900 | 2.72 | N/A | N/A |
| DRIVEWAY DOUBLE-LEAF SWING GATE POST: OPENING | | | | | | |
| UP TO 17'-3-1/2" | UP TO 8'-0" | 3 1/2 | 4 | 9.11 | 16 | 42 |
| 17'-4" TO 20'-3-1/2" | UP TO 8'-0" | 3 1/2 | 4 | 9.11 | 16 | 42 |
| BACKSTOP 20' POST | UP TO 20'-0" | 4 | 4.000 | 9.12 | 18 | 60 |
| BACKSTOP 30' POST | UP TO 30'-0" | 6 | 6.625 | 18.99 | 18 | 72 |



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POST, RAIL, BRACING & FOOTING SCHEDULE

1/4" = 1'-0"

