

Sound Abatement Plan for Whip In

Stage

New stage construction:

Stage will be placed oriented away from neighborhood

The back wall of the stage will be 16' tall wooden wall (the restroom building)

Back wall will have a layer of sound-block fabric applied to wood structure

Stage will have a roof covering, with sound-block fabric installed on the ceiling

Stage will have wing panels/walls, oriented to the east; wing panels will have a layer of sound-block material

Western Fence:

8' tall wooden fence will abut the back wall of the restroom building and connect with the southern wall of the café building

Western entry/exist gate will be located off-center, closer to the café building to off-set direct exposure to sound bleed from the stage

Fence material will have a layer of sound-block fabric installed

Northern Wall:

Northern wall of the outdoor music space has the café building itself as permanent sound blocking structure (if need be, a layer of sound-block fabric could be install along part of the exterior wall, but we don't feel that will be necessary).

South and East Fences

Southern and eastern walls of music space will be new construction fencing to enclose the area. These surfaces will have a layer of sound-block fabric installed along each surface

PA Gear:

Our system uses compact, individually powered main speakers: two wedges, with 12" or 15" woofer cones and tweeter horns (each speaker has on-board individual volume controls).

Monitors: 2 to 3 compact individually powered monitor wedges: 12" or 12" woofer cones, with tweeter horns

Speaker orientation:

Mains will be suspended above audience from frame of covered seating area, placed approximately mid-way into audience area. Speakers will be angled and oriented to tilt downward, so that sound goes down to audience and then has the opportunity to experience decay as it strikes to enclosing fence structures and walls, hence containing and abating the impact of the sound before it leaves the venue

Monitors will obviously face back to the band on stage, but sound will be contained significantly because the speakers will send sound into the sound-block fabric covered back wall, roof, and wings of the stage.

Sound Crew will always have direct access to dB meter while working live performances and will make sure we are in compliance at western property line at all times.