

# BULLETIN #003

**DATE:** 05/05/2022

**TO:** All Prime Contractors

**ATTN:** Piazza, Lombardo, J+M, Talt

**FROM:** Matt King  
KG+D Architects

**PROJECT:** St. Denis Community School

**RE:** Compaction Methods



This Bulletin is being issued to offer contractors an alternate method of compaction adjacent to buildings.

Please reference the attached memorandum from the Geotech, Skylands Engineering.

cc: Yonkers Public School District - John Carr  
Savin Engineers - Nancy Barbera  
File

# Memorandum

To: Russ Davidson, FAIA

From: Gene Schwarzrock, P.E.

Date: May 2, 2022

Re: St. Denis Community School  
Alternate Compaction Method Adjacent to Buildings

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Russ,

In order to not overly disturb the adjacent building along the north side of the project, if the Contractor thinks they will cause settlement of the adjacent structure by using vibratory compaction methods then they may use static compaction using a larger compactor. This should still allow the sands that loosen up during footing excavation to be properly compacted. I recommend they use a small ride-on roller in static mode to achieve this compaction. The use of a heavier-than normal compactor (vs. a trench roller) will compensate for the lack of vibration during compaction. If the material is very dry and the inspector feels adequate compaction is still not being achieved, they should wet the sands to aid in compaction.

Following this compaction, the required 24 in. of crushed stone or RCA should then be placed in maximum 12 in. thick loose lifts and then be either gently tamped with the bucket or rolled with the same small ride-on roller in static mode.

