



SmartLine Design
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804 Lincoln Avenue • Saint Paul, MN 55105
(612) 990-0266

March 25, 2026

Clint Ihrke
Superior Walls

Re: 54705-Cherry Creek fill material

The purpose of this design memorandum is to provide guidance for backfilling adjacent to the Superior Walls panels for the project referenced above. This project includes 10' tall Superior Walls foundation panels, with exterior soil to be placed 3' below the top of the 10' foundation walls. We recommend that backfill be placed against the 10' Superior Walls under the supervision of Superior Walls personnel, as follows:

- 1) Place granular (sand) backfill in 1' lifts in a 'balanced' sequence against the inside and outside wall faces up to the inside slab elevation, such that the differential height at no time exceeds 12". The surface layer may contain up to 12" of uncompacted topsoil;
- 2) Compact backfill to 90% standard proctor density;
- 3) Pour floor slab;
- 4) As shown in project plans, place final grade 3' below the top of the Superior Wall 10' foundation panel.

Please contact me if I can assist further.

Regards,

I HEREBY CERTIFY THAT THIS REPORT WAS PREPARED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

Chris Arlandson, P.E. #26806

Digitally signed by Chris Arlandson
DN: CN=Chris Arlandson,
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Date: 2026.03.25 15:12:51-05'00'