

From: Marc McGinnis <marcm@geotechnw.com>
Sent: Friday, December 9, 2022 8:27 AM
To: Caleb Slater
Cc: Brady Berriman; Bree Medley; Dave Delendeck
Subject: [REDACTED] (Permit #2202-257)

Caleb,

For the coarse soil, I recommend the following gradation. This will be a coarse-grained soil that will easily achieve more than 6"/hour of infiltration capacity.

Seive Size	Percent Passing
4"	99-100
3"	75-100
U.S. No. 4	50-75
U.S. No. 40	30 max.
U.S. No. 200	5 max.

I am not much of a plant person. These soils will be so well-drained that something very drought tolerant and hardy will be needed. I suspect some type of grass, such as used in BioPlanters, but am not sure. I hope that the landscape architect can help with this.

Marc

Marc R. McGinnis, P.E.



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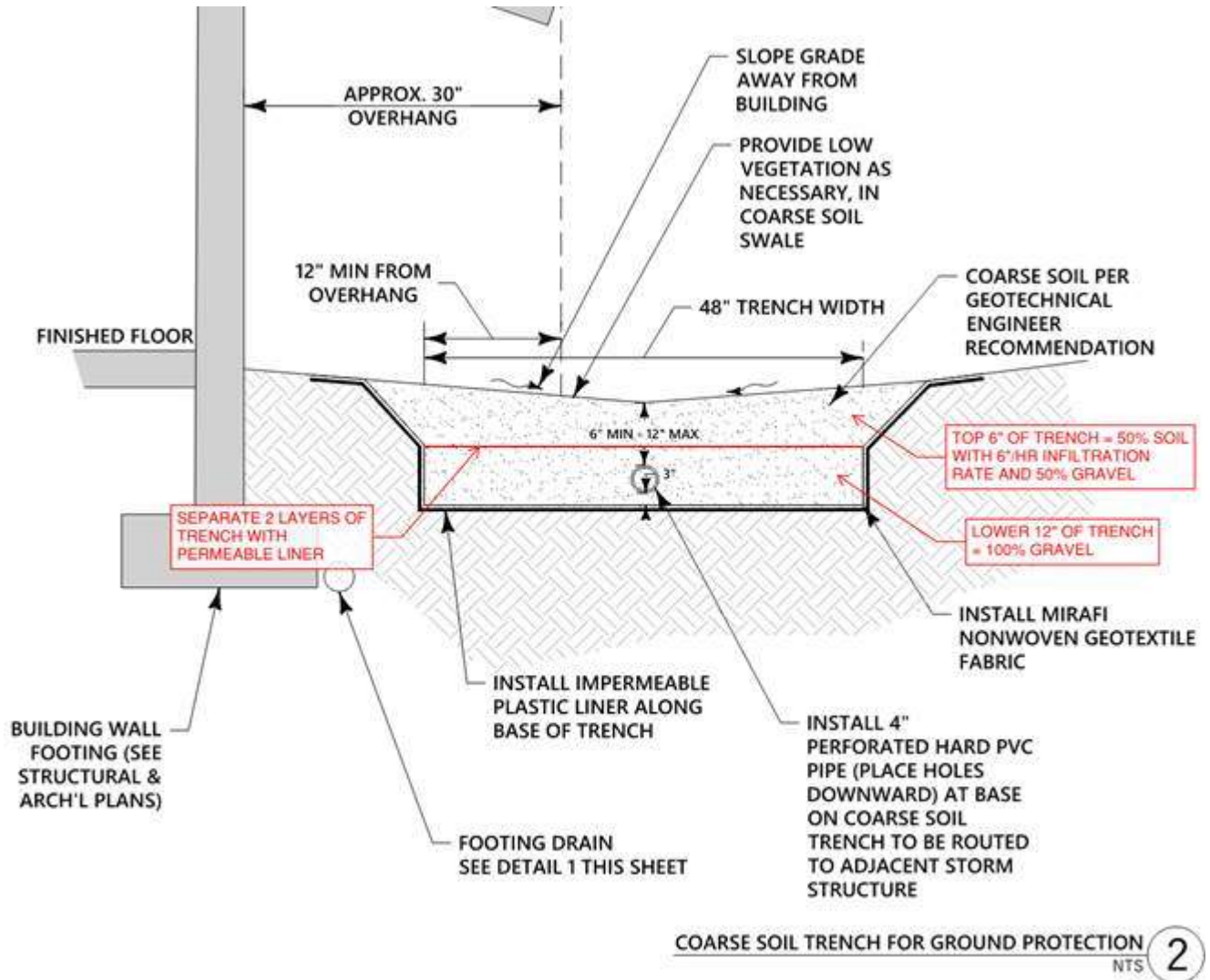
From: Caleb Slater <Caleb@latitude-48.com>
Sent: Tuesday, December 6, 2022 8:23 AM
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Subject: [REDACTED] (Permit #2202-257)

Hi Marc,

The City had a couple comments regarding the trench/ swale below the building roof overhang and I wanted to follow up with you. Please see below for what we're thinking for the coarse soil trench

section. The top 6" is to be 50% gravel and 50% soil with a hydraulic conductivity of 6"/hr minimum. The lower section of the trench will be 100% gravel, with the two layers separated by a permeable liner. Can you weigh in on the following?

- Recommended type(s) of coarse soil to be used in trench with a minimum hydraulic conductivity of 6"/hr?
- Recommended non-erosive plants to be in the trench for natural dispersion of runoff?



Feel free to call to discuss or if you have any questions. Thanks for your help!

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