

CENTURION ENGINEERS, INC.

From: Matthew Reinhart **Recipient:** David Daniel
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May 14, 2024

Subject: Capacity of Existing Seepage Bed
Cleary Building Stormwater Analysis
209 W 38th Street
Garden City, ID

Dear Mr. Daniel,

The existing 0.45-acre property includes a building covering approximately 2,310 square feet and an asphalt driveway/parking lot surrounding the building on the southwest and northwest sides. The property owner proposes the addition of a 1,260 square-foot building on the southeast end of the property.

An existing drainage structure, two oil/sediment traps with a seepage bed, as shown on the site's October 2005 Grading & Drainage Plan is currently designed to treat the runoff generated on the site. With the proposed construction of the 1,260 square-foot building, the existing drainage structure will possess adequate capacity to treat any additional runoff that the increased coverage would generate.

The original calculations for the design of the seepage bed by Keith Jacobs Engineering used a runoff coefficient of 0.90 for the runoff volume computation for the entire site. This resulted in a seepage bed volume with adequate capacity for the proposed additional building coverage on the site.

If you have any questions, call me at (208) 343-3381.

Sincerely,

Matthew Reinhart
Matthew Reinhart, P.E.
Staff Engineer
Centurion Engineers, Inc.

