

P.O. Box 26137, Colorado Springs, CO 80936 p. 719.251.5291 267.261.1825 e. daniel@jdmengineers.com jared@jdmengineers.com

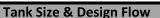
Job #: 20-181

Soil Treatment Area Calculations prepared for:

Edward & Deborah Ritchey- Property/Building Owner

Project Address:

17104 Goshawk Rd E, 80908



1000 Gallon Tank (Existing; 48 Hour Usage Retention Min.) 450 Wastewater Design Flow in GPD from maximum proposed occupancy (See Below)

Water Usage Disclaimer (Design void if not signed):

(property owner) certify that the proposed occupancy is accurate to the best of my knowledge. I understand that water usage may change over time and can have an effect on the functionality of the septic system designed by JDM Consulting, LLC. JDM Consulting, LLC Is not responsible for issues caused within the soil treatment area due to fluctuating water usage.

Signed: Date: _

Profile Evaluation

Reference Documents: Profile Evaluation by JDM Consulting, LLC Dated: October 7, 2020, Job # 20-181

Receiving Soil Type:

Type 4

LTAR of Soil:

0.2 Gal/day/sq.ft.

Soil Treatment Area

Design Flow / LTAR = SF Required

Adjustment Factors (Table 10-2, 10-3)*

2250

Sq.ft. (Unadjusted)

1575 | Sq.Ft. (*Adjusted*)

1.0	Application -	Trench - Pressure Dosed	
0.7	Distribution Media -	Chambers	
1.0	Diverter Valve Used -	Yes	
***		5.6.1	

*No Adjustments Allowed for Type R Soils

of Chambers - Arc 36 (15 sq.ft. per Chamber)

105

Minimum

of Chambers - Quick 4 (12 sq.ft. per Chamber)

132 Minimum

Page 1 of 2



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Proposed Building use and Occupancy

Wedding venue with a maximum occupancy of 90 guests. No Kitchen or onsite food preparation (i.e., no food prep or cleanup on site, caterers do everything offsite). No facilities onsite or future plans for overnight guests.

Design Flow rate

<u>Commercial Wastewater, Estimated Daily Wastewater Flow Rate:</u> Facilities with short-term or transient visitors. Examples: Airports or bus stations per passenger; fairgrounds per person attending; ball parks, race tracks, stadiums, theaters or auditoriums per seat.

Gallons/Day per Person =	5 Gallons Per Day	
Max. Proposed Occupancy =	90 Persons	
Total Daily flow rate =	450 Gallons Per Day	