

Job #: 20-181

Soil Treatment Area Calculations prepared for:

Edward & Deborah Ritchey- Property/Building Owner

Project Address:

17104 Goshawk Rd E, 80908

Tank Size & Design Flow

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):

I _____ (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

2250 Sq.ft. (Unadjusted)

1575 Sq.Ft. (Adjusted)

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

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

*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

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

Commercial Wastewater, Estimated Daily Wastewater Flow Rate: 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 = *Gallons Per Day*

Max. Proposed Occupancy = *Persons*

Total Daily flow rate = *Gallons Per Day*