

Date: May 28, 2015

Legal Description: Lot 3, Sec 6, Twp 27, R 21, W5M, Kootenay District, Plan 16263

Property Owner: **Mike Palumbo**

Please note that all percolation testing, soils analysis and calculations are based on information Ministry of Health "Sewerage System Standard Practice Manual").

The daily effluent discharge calculations for each proposed lot are based on a 4-bedroom house using a Type 1 System with 0.6m wide trenches spaced 1.8m on-centre and slopes under 5% as per the provided by the Interior Health – Health Protection "Subdivision Guidelines".

Proposed Lot # **Remainder**

Slope: 18%

Calculated Hydraulic Loading Rate: 29 litres / m<sup>2</sup> / day

Total trench length necessary would be: 196m

The Primary and reserve field would consist of # 8 lines at 24.5 m long.

(If the Reserve field has different variables they must also be listed).

The minimum total area that would be required for both the Primary and Reserve fields for a 4-bedroom house using a Type 1 System on this Proposed Lot would be: 323 m<sup>2</sup>

The additional 10% area for construction increases the required total area to: 355.3 m<sup>2</sup>

(If additional area is required due to slopes over 5% they must also be identified).

An additional 18% added for the slope over 5% will bring the total area to 419 m<sup>2</sup>

An example of a possible size for the dispersal area for this Proposed Lot would be: 28 m long by 15 m wide.

Attached is the soils analysis for the Proposed Lot # **Remainder**. As the Authorized Person for this site evaluation, I confirm, to the best of my ability, that the soils on this proposed lot are appropriate for a Type 1 discharge system serving a 4 bedroom house as per the requirements of the Ministry of Health "Sewerage System Standard Practice Manual" and the Interior Health Subdivision Guidelines.

Signed and Stamped,



The information provided is NOT a septic system design. It is provided for the use of the Public Health Officer for subdivision review purposes ONLY. If you have any questions or require additional information, please contact the undersigned.