

4.0 CONCLUSIONS AND RECOMMENDATIONS

Sunrise has completed an analysis of septic tank density at the northern part of the Upper Kolob Plateau and Oak Valley. This study indicates that the average septic tank density on buildable area within any subdivision is 1.24 acres/lot. In reviewing subdivision plans within the study area, it is recommended that the site slope be reviewed carefully. The actual average septic tank density is different for each slope zone. In the 0-19% slope zone, the average septic tank density is 1.24 acres/lot; in the 20-29% slope zone where 70% of the slope shall remain undisturbed, the actual average septic tank density is 4.14 acres/lot; and in the 30% or greater slope zone where 90% of the slope shall remain undisturbed, the actual average septic tank density is 12.4 acres/lot.

5.0 LIMITATIONS

The services provided on this project, as described in this report, include professional opinions and judgments based on the data collected and analyzed. Sunrise performed these services according to currently accepted water resources engineering principles and practices conducted in this area.

This report does not provide a warranty as to variable subsurface conditions that may actually exist. This report does not apply to other areas outside the study domain. In addition, evaluation of geologic and hydrogeologic conditions is a difficult task. Engineers and hydrogeologists must occasionally make general judgments leading to conclusions with incomplete knowledge of the geologic history, subsurface conditions and hydraulic characteristics present.