



February 10, 2023

David Richter  
30265 State Highway 131  
Oak Creek, Colorado 80467

Re: OWTS Installation Observations  
Richter Residence  
30265 State Highway 131  
Routt County, Colorado  
Western Slope Geotech Project No. 22-1060

Dear David,

This report summarizes Western Slope Geotech, Inc.'s (WSG) observations of the On-site Wastewater Treatment System (OWTS) installation conducted for the above referenced project. WSG conducted one site visit for observation of the OWTS installation on November 18, 2022. At the time of our site visit, the previous (fiberglass) tank had been serviced (pumped) and was demolished and buried on-site in accordance with the regulations based on installer-provided information.

**Site Observations:** At the time of our site visit, we observed a new 1,500-gallon (concrete) septic tank (Valley Precast) was installed near the plan location and met plan requirements. Based on contractor-supplied information, sanitary tees had been installed on the inlet and outlet piping and an effluent filter was installed at the tank outlet tee after our site visit. Tank inlet and outlet piping had also been completed and met minimum material and grade requirements. Tank inlet and outlet piping also appeared to be supported by imported screened rock material.

WSG also observed the absorption system (Soil Treatment Area – STA) installation. The STA was installed at the approximate plan location and our observations indicated seventy (70) Standard Quick 4 Infiltrator® chambers (280 lf) were installed in the plan configuration and met plan requirements. We advised the installer that all chambers should be backfilled in accordance with manufacturer recommendations and recommended between 18 and 36 inches of topsoil cover should be provided over all chambers and other components.

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A 7-outlet concrete (Valley Precast) distribution box with leveling devices, riser extensions and distribution piping was also installed and our observations indicate all components met minimum material and grade requirements. We observed all distribution piping around the distribution box and chamber inlets were bedded with imported screened rock material to reduce settlement, provide uniform support and protect piping from damage during backfill.

The approximate location of OWTS components is shown on the attached Figure 1. WSG did not observe final grading at the STA. We recommend final grading meet plan requirements that includes sloping all final STA surfaces to provide positive surface drainage and revegetation. The owner should observe the STA for signs of final cover settlement and poor drainage conditions and correct, as necessary.

Based on WSG's observations, the system appeared to have been installed in general accordance with the OWTS design requirements. A copy of this report will be supplied to the Routt County Department of Environmental Health for their review and records.

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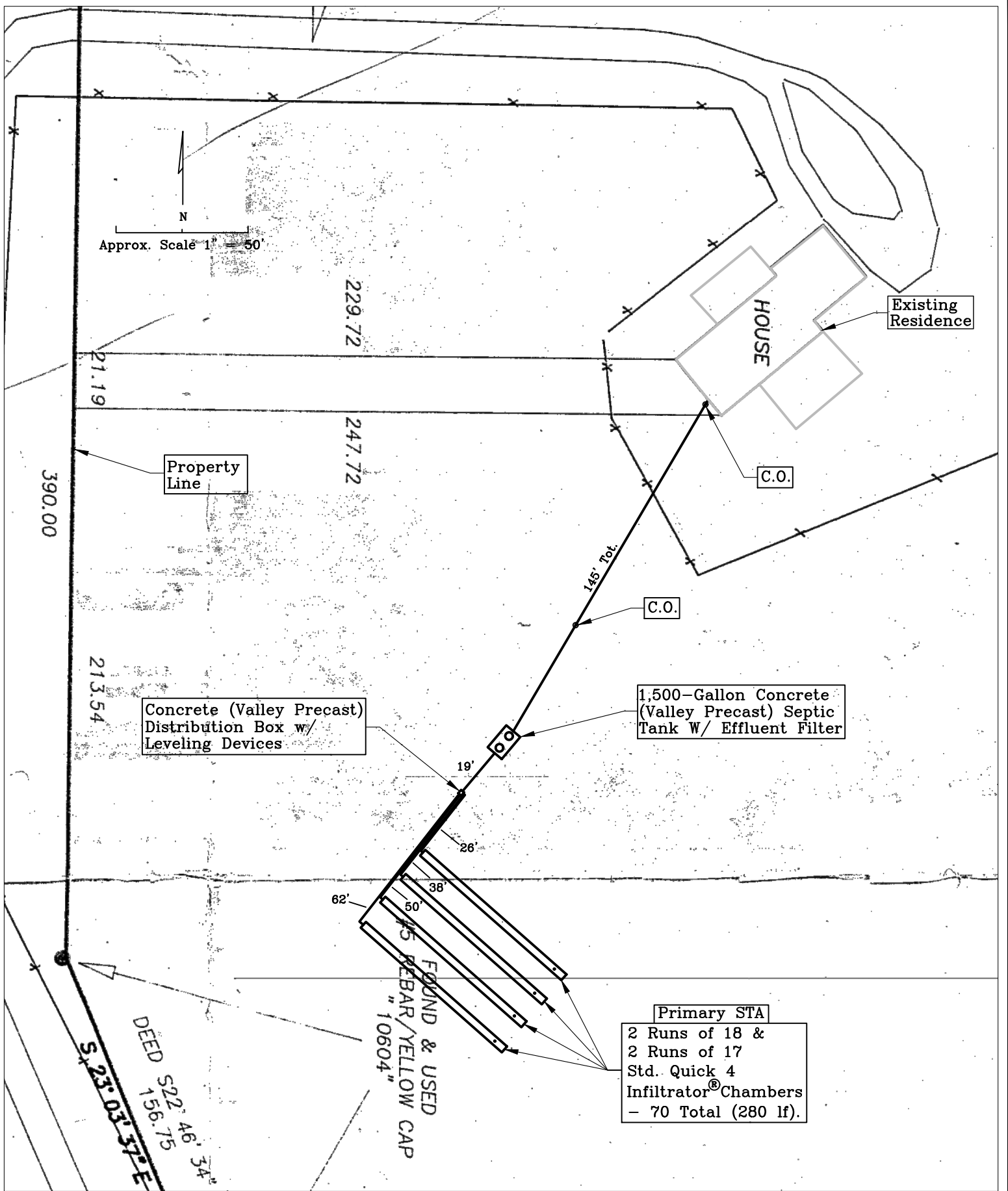
WSG, Inc. appreciates the opportunity to be of service to you on this project. If you have any questions concerning this report or if we can be of further service to you in any way, please do not hesitate to contact us.

Very Truly Yours,  
**Western Slope Geotech, Inc.**



Harold Schlicht, P.E.  
Principal Engineer

Cc: Routt County Department of Environmental Health



# OWTS SITE AS-CONSTRUCTED PLAN

Project Name: Richter Residence

Location: 30265 State Highway 131, Routt County, CO



Project No.: 22-1060 Drawn/Checked:HS

Date: 2/9/23 Figure No.: 1