

June 5, 2024

Job No. 2069.3.13

Hessel Church
5060 Hessel Avenue
Sebastopol, CA 95472

Report
Soil Engineering Consultation
and Review of Plans
Hessel Church Trash Enclosure
Santa Rosa, California

This report presents the results of our soil engineering consultation and review of plans for the proposed trash enclosure to be located at 5146 Hessel Avenue in Sebastopol, California. We provided soil engineering consultation for the project, and the results were submitted in our report dated May 14, 2024. Recommendations for foundation support included criteria for spread footings bottomed on compacted fill.

Plans prepared by Summit Engineering, Inc. are dated May 24, 2024 and indicate that the trash enclosure will consist of concrete masonry unit (CMU) walls with a concrete slab-on-grade floor. The walls will be supported on an 18-inch-deep, 4-foot-wide footings. Based on our knowledge of the subsurface conditions, we believe that the foundation system as planned would be suitable for the proposed construction.

Civil sheets indicate that a portion of the existing asphalt concrete (AC) will be removed and replaced or overlaid with new AC. The pavement section is indicated to match the existing thickness. The original grading plans for the parking lot indicate 3 inches of AC over 9 inches of aggregate base in drive aisles and 2½ inches of AC over 5½ inches of aggregate base in parking stalls. The existing section has performed satisfactorily over the last 20-plus years and, therefore, we judge that the currently planned pavement is in conformance with our recommendations.

Positive surface drainage of at least 1/4-inch per foot extending at least 4 feet out should be provided away from all foundations. The ground surface around the perimeter of the enclosure should be sloped to provide positive lateral drainage.

Hessel Church
June 5, 2024
Page Two

Based on our plan review and previous work at the site, we believe that the materials and methods indicated on the civil and structural plans are in general conformance with our recommendations. We recommend that the site grading and footing excavations be observed by the soil engineer to verify that the actual conditions encountered are as anticipated and to modify our recommendations, if warranted. Field and laboratory testing should be performed to ascertain that the recommended degree of compaction is obtained.

We trust this provides the information needed at this time. If you have questions or wish to discuss this in more detail, please do not hesitate to contact us.

Yours very truly,

REESE & ASSOCIATES



Joseph M. Mauney
Civil Engineer No. 85560



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