

April 30, 2024
Revised: August 27, 2024



Hammer Construction
1411 Wolsey Heights
Colorado Springs, Colorado 80915

Attn: Joe Butler

Re: **Cost Estimate - P24-257a**
Geotechnical Report
Cathedral Rock Church
846 Struthers Ranch Road
Monument, Colorado

Dear Mr. Butler:

This letter is in response to your inquiry regarding a Subsurface Soil Investigation for the above-referenced project.

PROJECT DESCRIPTION

We understand that the project will include construction of an 8,125 sq. ft Church Phase 1, a 10,000 sq. ft. Church Phase 2, and a rain garden.

SCOPE OF WORK

Entech's scope of work includes a subsurface exploration program to evaluate existing soils and to provide geotechnical design parameters for foundations, and construction recommendations for the proposed commercial development. Each phase of the project and associated cost is presented below.

Subsurface Exploration Program

A subsurface exploration program to evaluate the site for the proposed commercial building will be performed. The study will include drilling a total of four (4) test borings with a truck-mounted boring. Access to the drill area must be provided by the Client and the proposed drill site located. Entech Engineering, Inc. will not be responsible for any damage to the existing property in conjunction with accessing the proposed drill area.

The maximum depth of drilling for this investigation is 20 feet. Sampling will typically be performed at 5-foot intervals over the depth drilled; however, our representative may take additional samples during drilling. The borings will be drilled to obtain soil information for foundation and construction recommendations. Access to the drill area must be provided by the Client. Borings will be completed as described below:

- 2 borings within the 8,125 sq. ft. Church Phase 1 foundation footprint to a depth of 20 feet.
- 2 Boring within the 10,000 sq. ft. the Church Phase 2 foundation footprint to a depth of 20 feet.

Laboratory Testing Program

Laboratory testing will be performed to provide engineering characteristics of the soils for use in developing recommendations for construction on the site. The laboratory testing may include grain size analysis, determination of Atterberg Limits, and determination of swell characteristics using the FHA and Consolidation/Swell Test. Sulfate testing will be completed to evaluate the corrosive characteristics of the soils.

Engineering Analysis and Report

An engineering report will be provided including:

- Subsurface conditions, groundwater and bedrock depths (if encountered) on the site.
- Foundation recommendations for the proposed structure and construction considerations. (foundation design not included).
- Bearing capacity, design analysis and values, and lateral loading (active and at rest).
- The seismic site classification based on the site borings.
- Corrosive characteristics of the soils based on the laboratory testing.
- Construction recommendations and recommendations for fill placement.

Estimated Cost: \$3,350.00

INFILTRATION TESTING (Percolation Test Method)

Infiltration testing for the proposed infiltration rain garden is to consist of two (2) test locations within the large rain garden. Each test location will include 1 profile hole and two (2) percolation holes. The profile hole will be drilled to a depth of 15 feet, and the two percolation holes to a depth of 10 feet. The tests will be conducted in the proposed infiltration basin location to evaluate the infiltration rates of the soils.

Estimated Cost: \$2,250.00

ADDITIONAL SERVICES

Additional services will be billed at our hourly rates and subject to terms and conditions and limitation of liability of this agreement. Private locate services, if required, will be billed at a cost of \$200/hour. The need for private locates will be determined following the city locates.

STANDARD OF CARE

Standard of Care. Consultant shall perform its services consistent with the professional skill and care ordinarily provided by professionals practicing in the same or similar locality under the same or similar circumstances. ("The Standard of Care"). Consultant makes no other representations or any warranties, whether expressed or implied, with respect to the services rendered hereunder.

INVOICING

You will be invoiced at the completion of the report. The invoice is past due after 30 days from the invoice date; our client agrees to pay a finance charge of 1.5% per month on any past due amount. If the invoice is not paid within 60 days and Entech Engineering, Inc. commences a collection action, then our client agrees to pay all court costs and attorney fees incurred therein.

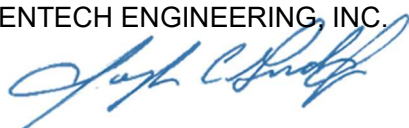
LIMITATION OF LIABILITY

To the fullest extent permitted by law, and notwithstanding any other provision of this Agreement, the total liability, in the aggregate, of ENTECH ENGINEERING, INC. and its officers, directors, partners, employees, agents and any of them, to our CLIENT and anyone claiming by, through or under our CLIENT, for any and all claims, losses, costs or damages whatsoever arising out of, resulting from, or in any way related to the Project of the Agreement from any cause or causes, including but not limited to the negligence, professional errors or omissions, strict liability or breach of contract, or warranty

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express or implied of ENTECH ENGINEERING, INC. or its officers, directors, partners, employees, agents or consultants or any of them, shall not exceed \$25,000.00.

We trust this provides you with the information you require. We look forward to working with you on this project. Signing and returning one copy of this proposal gives us formal written authorization to proceed as outlined above. If you have any questions or need additional information, please do not hesitate to contact us.

Respectfully Submitted,
ENTECH ENGINEERING, INC.


Joseph C. Goode, Jr., P.E.
President

ACCEPTANCE:
Signature: _____
Print Name: _____
Title: _____
Date: _____