



ENTECH
ENGINEERING, INC.

505 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
PHONE (719) 531-5599
FAX (719) 531-5238

January 5, 2021

Classic Communities
2138 Flying Horse Club Drive
Colorado Springs, CO 80921

Attn: Bill Ritchie

Re: Culvert Footing Stabilization – Poco Road
Retreat at Timber Ridge
Colorado Springs, Colorado

Dear Mr. Ritchie,

As requested, personnel of Entech Engineering, Inc. have observed the subgrade conditions for the culvert location at the above referenced project.

Portions of subgrade for the footings were unstable and will require stabilization. It is recommended that the unsuitable areas be removed 12 to 18 inches below grade. (Areas requiring deeper removal may be determined during the excavation.) The subgrade soils should then be stabilized by wheel-rolling 4 to 8 inches of shot-rock into the subgrade soils. Following the rock stabilization, MIRAFI 600X fabric should be placed over the rock/soil. Imported or on-site approved structural fill should then be placed to final grade. A typical stabilization detail is presented in Figure 1. Observations and testing should be performed by Entech personnel to verify the stabilized areas are suitable for footing support. A second layer of fabric may be required if deep unstable areas are encountered. The need for additional fabric will be field determined.

We trust that this has provided you with the information you require. Should you have any questions or need further information, please do not hesitate to contact us.

Respectfully Submitted,

ENTECH ENGINEERING, INC.

Daniel P. Stegman

DPS/am

Encl.

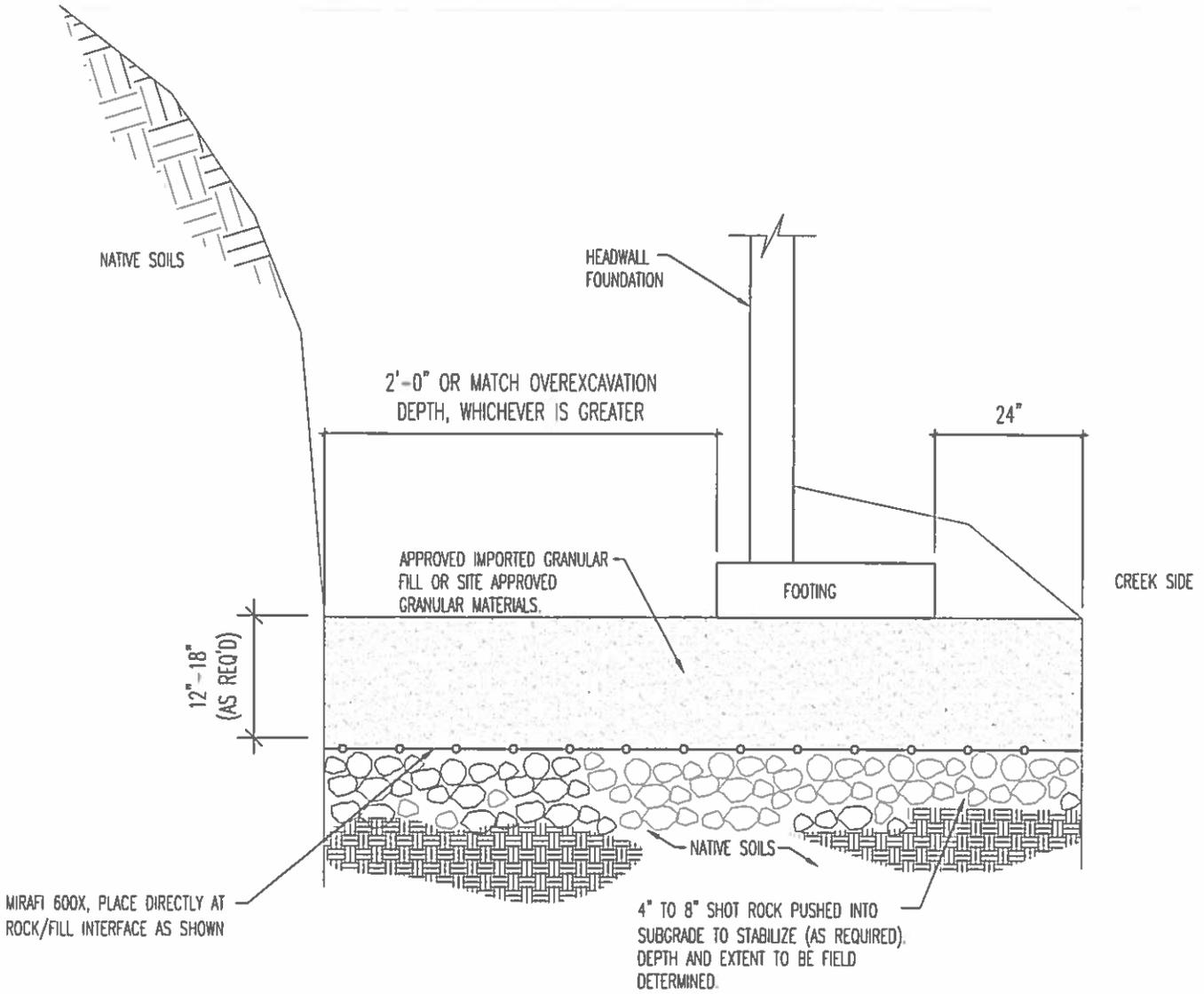
Reviewed by:

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

COLORADO LICENSED
JOSEPH COLLIN GOODE JR.
23725
1.5.21
PROFESSIONAL ENGINEER

Entech Job No. 202766

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ROCK/FABRIC STABILIZATION DETAIL

N.T.S.

NOTE:

- 2nd LAYER OF FABRIC MAY BE REQUIRED IF DEEP UNSTABLE AREAS ARE ENCOUNTERED. (TO BE FIELD DETERMINED)



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ROCK/FABRIC STABILIZATION DETAIL
RETREAT AT TIMBER RIDGE
EL PASO COUNTY, CO
FOR: CLASSIC COMMUNITIES

DRAWN BY:
JAC

DATE DRAWN:
01/05/21

DESIGNED BY:
DS

CHECKED:
DS

JOB NO.:
202766

FIG. NO.:

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