

April 10, 2024



ENTECH
ENGINEERING, INC.

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

Glen Development, c/o Cross Company
3140 Shadybrook Lane
Colorado Springs, CO 80904

Attn: Rudy Cross

Re: Utility Trench Stabilization
The Glen at Widefield Filing No. 9
El Paso County, Colorado

Dear Mr. Cross:

Personnel of Entech Engineering, Inc. recommends the following utility trench stabilization procedure be used for street repairs at the above-referenced site. The unstable soft soils should be removed to suitable soils or to within 12 inches above the utility lines. The soils should be compacted and a layer of MIRAFI 500X fabric should be placed on the fill. Once stable conditions are encountered, the excavation can be backfilled in thin lifts to finished grade. Observations and testing should be performed by Entech personnel to verify that the stabilization and compaction are suitable. A second layer of fabric may be required if deep unstable areas are encountered.

Depending on the severity of the unstable conditions, the soils can also be stabilized with 3 to 6 inch shot-rock worked into the subgrade. Rock should not be placed directly above the utility lines. The fabric would be used in conjunction with the rock. The need for additional fabric or rock should 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
Geotechnical Engineering Staff

Reviewed by:



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