GEOMAT INC
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December 11, 2015

William Watson, P.E.
City of Aztec
610 Western Avenue
Aztec, NM 87410

RE: North Main Corridor, Phase "0"
Aztec, New Mexico
GEOMAT Project No. 151-2390

As you requested, on December 10, 2015, the undersigned met with Mike Rebhan of Tamerrel Excavation to observe the soft, wet subgrade soils encountered during construction of the North Main Corridor, Phase "0" project in Aztec, New Mexico. The purpose of our observation was to make recommendations for stabilizing the soft, wet clay soils. We understand that this phase of construction will consist of subgrade preparation only and that road surfacing material(s) will be added in the future under separate contract.

The soft, wet clay soils were present in two separate areas; approximately between Stations 6+90 and 9+40 ("Area A"), and approximately between Stations 10+30 and 11+80 ("Area B"). Standing water was present in parts of these two areas which we understand will be drained from these areas prior to proceeding with construction.

In "Area A", the soft, wet clay soils were present primarily along the west side of the centerline of the road. We understand approximately 2 to 4 feet of fill will be required to achieve finished subgrade levels in this area.

In "Area B", the soft, wet clay soils appeared to be present across the whole width of the road. We understand approximately 1 to 3 feet of fill will be required to achieve finished subgrade levels in this area.

Based on our observations and experience with similar projects, we recommend the following option to stabilize the encountered soft, wet clay soils:

- Place and compact pit run cobble/gravel material in approximately 12-inch lifts until a relatively firm surface is developed. The pit run should be a well-graded material comprised of 8 to 10-inch minus cobbles and gravel in a a non plastic sand matrix. We anticipate that at least two lifts will be required to achieve a relatively firm surface. Light weight equipment should be used to densify each lift of pit run material without excessively pumping the clay subgrade.

After a stable surface is achieved place and compact the required road subgrade fill.

Thank you for the opportunity to be of service to you on this project. If you have any questions or need additional information, please let us know.

Sincerely yours,
GEOMAT Inc.

George A. Madrid, P.E. 12/11/15
Principal Engineer