Appendix A
Geotechnical Report and Materials Testing Services
Scope of Work

Field Work: The Consultant shall include within its proposal the following borings as a minimum basis of developing its geotechnical report:

1. New Athletic Building: 12 each (4 per site, 3 sites) 25 feet deep to verify deep soil strata, water table and geology

Two of the potential new athletic sites are in wooded areas on the high school site. The third is in a field directly next to a road and is more easily accessible. Boring location adjustments required will be made in consultation with the CM and the Architect. Boring depths for the final report shall be depth shown or as recommended by the Consultant, subject to the approval of the Architect and the CM. Adjustments to this footage required in the opinion of the Consultant and the Architect will be made on a per linear foot basis as quoted. See Proposal Form and provide adjustment price per linear foot.

The Architect will provide a preliminary site sketch to the Consultant, which will generally locate desired boring locations within the design elements. Consultant shall layout borings from a sketch provided. The Consultant shall advise the Architect about the suitability of the borings shown on the preliminary plan.

The Consultant will employ Miss Dig to locate known utilities in advance of the Consultant mobilizing to site. The Consultant is to use due care and reasonable diligence to avoid damage to utilities. Observe the flagging of Miss Dig and employ GPS systems or Consultant's own surveyor as required to locate the boring locations in the field. Use GPS or engage a subcontract surveyor. As borings are drilled, flag them clearly and denote their GPS coordinates. Provide this information to the Owner's Surveyor, such that the Surveyor may incorporate the location and elevation of the borings within the topographic survey. Backfill all borings after samples are taken and required geotechnical observations are recorded.

Topsoil Analysis: As each hole is bored, the Consultant is to carefully discern the actual depth of topsoil. Calculate and provide an estimated quantity of topsoil existing on the site.

Permeability Analysis: Not required for this proposal.

Report requirements: Advise in proposal when Preliminary report may be provided to the Architect and the CM as to the Consultant's recommendation of allowable soil bearing pressures in the area of the building, and any other issues of specific concern the Consultant discerns in the course of its investigations. The final report for the new site should include recommendations as required for:

1. Site preparation, slope stabilization, temporary excavation, temporary protection, shoring, rock excavation requirements, temporary and permanent management of groundwater conditions

both latent and seasonal, frost penetration depth and effect, and suitability of existing soils for fills with any special requirements defined.

2. All typical building design criteria required for the Architect to understand the design requirements of the existing soil conditions. Include lateral pressure recommendations, potential for expansive, corrosive, or gas soil effects, exterior retaining wall design criteria, including drainage requirements.
3. On site asphalt and concrete pavements (both light duty and heavy duty), given the existing soils on site. Provide particular emphasis on pavement economy, pavement durability, pavement drainage requirements and any special requirements for running track/tennis court construction.
4. Borings and geotechnical evaluation.
5. Topsoil depth and estimated quantity.

Meet with the Architect and the CM to present the findings of both reports and to discuss recommendations and suggested alternates.

Desired Building Design Services: In addition to the requirements described above, provide specific recommendations for the building areas in the final geotechnical report including recommendations for:

1. Foundations and slabs-on-grade, including specific recommendations to allow trenched foundations in lieu of formed foundations. Include drainage requirements for foundation walls if required.
2. Below-grade walls, including drainage requirements.

The building will likely be a pre-engineered metal building with a mezzanine on one end.