Dexter High School and Wylie Elementary School Additions, and Athletic Building
Geotechnical and Materials Testing
Dexter Community Schools 2025 Bond Program

Appendix A – Addendum 1
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. DHS Main Entry Addition: ~~6~~ 4 each ~~25~~ 45 feet deep to verify deep soil strata, water table and geology
2. DHS Classroom Addition: ~~4~~ 2 each ~~25~~ 45 feet deep to verify deep soil strata, water table and geology
3. Wylie Classroom Addition: ~~6~~ 5 each 25 feet deep to verify deep soil strata, water table and geology
4. DHS Athletic Building: 2 each 25 feet deep to verify deep soil strata, water table and geology. Note 4 were already taken at this building, this report will be available for review while developing final recommendations.
5. On-site general site development elements: ~~6~~ 10 each ten feet deep

The site is 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 Owner's Surveyor will provide a benchmark to the Consultant. The Surveyor 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 Surveyor, such that the Surveyor may incorporate the location and elevation of the borings within the topographic survey. Once it is completed, the CM will provide the survey to the Consultant in CAD form if required. Backfill all borings after samples are taken and required geotechnical observations are recorded.

Permeability Analysis: DCS may manage most if not all its storm water on site in bio-swales or underground collection systems if this is technically feasible. As a part of the Consultant's proposal, provide data and recommendations as to the capability of the soil to absorb by percolation captured storm water either in bio-swales or in underground storage systems. Advise as to design parameters

of both methodologies and or make recommendations as to what engineered methods may have to be employed on this site to accomplish maximum on-site storm water management.

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, shoring, 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. Comment upon the enclosed specification for all materials quality assurance.
4. 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.
5. Permeability of soils and a consideration of how the soils will drain during construction and after occupancy. Provide specific detailed information in the detention basin areas and at the athletic fields.

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.

Building Descriptions: The DHS main entry addition will be a 2-story building with one story being below grade, approximately 9,000 SF. It will be a load bearing masonry with light structural steel frame structure. The DHS (approximately 4,000 SF) and Wylie (approximately 9,400 SF) classroom additions and will be a single story load bearing masonry with light structural steel frame structure. The exterior walls will most likely be brick veneer. The DHS athletic building will most likely be a pre-engineered metal building with partial height masonry or precast exterior walls, approximately 60,000 SF. It will be approximately 40' tall with one end having a structural steel and concrete mezzanine with rooms underneath and the remainder being an open single-story space.

Materials Testing and Quality Assurance Inspection Services: The following services will be required throughout the construction period of April 2026 through December 2027. Series 2-4 will

take place over 2028-2033. The district's intent is to work with the same testing consultant for the entirety of the bond and will review pricing at the beginning of each series. This work is to be provided on an hourly, not to exceed, cost basis within the lump sum proposal. For work on other sites not described above, provide a single blended hourly rate for each type of technician or professional to incorporate any anticipated cost increases over the life of this project from within a stipulated allowance. All rates for labor on site are to include the cost of travel (mileage and travel time) to and from the site. For field-testing services, only labor expended at the site will be billable. Minimum billing, miscellaneous lab costs, travel time, etc. will be allowed, but should be included within the professional's not to exceed proposal. Overtime beyond eight hours per day and on weekends on the site, if actually paid to the technician, will be compensated to the Consultant from a stipulated allowance. Overtime must be pre-approved by the on-site representative of the CM. The Consultant is to provide suitably trained technicians with at least five (5) years' experience in the field during mass balance, structure erection and roofing operations. Less experienced technicians may be used elsewhere when their training is adequate for the intended work operations. In any case, senior technicians and or professionals shall visit the site as required to supervise and inspect the consultant's field staff, the project work progress and to advise the CM and Architect when unusual circumstances develop beyond the ability and knowledge of the on-site technician.

Provide quality assurance, testing, inspection for plan compliance and reporting for all work shown below:

1. Foundation sub-grade verification for bearing capacity, sieve analysis of existing and imported fills for bearing capacity, soil compaction for all fills, utility installation
2. Asphalt paving.
3. Cast in place structural and foundation concrete work.
4. Cast in place slab work including placement, FF/FL testing, and post cured moisture testing in advance of finish flooring.
5. Visual inspection of structural welds (on site), torque testing of structural bolted connections, shear stud testing for composite floor beams, certification review of workers
6. Masonry mortar, brick, masonry flashing, fireproofing
7. Inspection of roofing, flashings, copings and roofing insulation and warranty inspection with the roofing manufacturer

Consultant must respond within 24 hours to any request for service. Prior approval is required for any Saturday work, including cylinder pickup. During earthwork, utility, and early concreting operations it is likely that more than one technician may be required at a time. On-site mobile labs are acceptable and desirable if the technician is trained in how to perform the tests conducted in the field and can certify their results.