EXHIBIT “A”
DESCRIPTION OF SERVICES TO BE PERFORMED BY CONSULTANT

The scope of services for this project will consist of providing mechanical engineering, design coordination and peer review services for the Ohlone Community College District. This will include the following:

1. Design Development
   a. Final coordination with the Academic Core Project CUP
   b. Final coordination with Site Utilities Project
   c. Finalize boundaries and requirements by Utilities
   d. Final Ground Loop size
   e. Engineer’s Cost Estimate
   f. Provide Project Scope of Work for CEQA Document Review

2. Construction Documents
   a. Mechanical Plans
      i. Ground Loop Layout
      ii. Circuiting Details
      iii. Integration with Site Utilities
      iv. Construction Details
   b. Specifications
      i. DSA Submittal

3. Mechanical Design Assumptions
   a. Individual building load calculations and occupancy information has been provided by Cannon. The design load is 600 tons with 750 tons of chiller/heater installed capacity.
   b. The report by Rowley International on the gym pool has been reviewed and the pool heating requirement has been estimated to be 806 MBH for a design temperature of 82 deg F, an extended swimming season (May-October), and for the recommended pool configuration in the Rowley report. The ground loop size has been estimated based on this first stage heat rejection [for pool heating] during the noted months.
   c. A closed-loop dry cooler has been specified for supplemental heat rejection to maintain the design condenser water temperature. This is second stage heat rejection after the heat is first rejected to the pool/ground loop. No back-up heat is required for the ground loop design because it is a cooling dominated system.
   d. The controls sequencing of the equipment is being coordinated with Cannon as part of their Central Utilities Plant Plan. Note that the heat rejection to the pool (pool heating) may not be installed until after the Academic Core project is completed.
   e. MEC to coordinate ground loop design requirements and attributes to Client’s civil engineer (survey) and geotechnical firm (EIR).
   f. A specification book and scope of work will be provided.

4. General Project Assumptions
   a. Work with District’s CM to submit project to DSA.
   b. Work with District’s Consultants to provide information required to update CEQA documents (EIR).
   c. Provide engineering support through the contract bid process.
   d. The drilling portion of the Ground Loop Construction is estimated to be 6 months (3 drill rigs on site).

5. Client Obligations
a. Provide in AutoCAD format the site civil drawings or site survey indicating routing and size of mains for sewer, water and gas and the locations of any other underground utilities. This is requested for the 12 inch pair of HDPE pipes being installed as part of the Site Utilities project currently underway.

b. Coordinate soil removal plans with Athletic Fields project.

6. Schedule Milestones
   c. Construction Documents – September 8, 2015
   d. Review Meeting with Ohlone – Week of September 14, 2015
   e. DSA submittal if required – September 17, 2015
   f. DSA approval (tentative) – December 14, 2015
   h. Construction – Duration TBD