334600  SUBDRAINAGE

PART 1:  GENERAL

1.01  LOW STRENGTH CONCRETE FOR STABILIZING SOIL (MUDMAT)

The intended use of mudmats as a means and method for construction by the contractor shall be submitted to the Civil Engineer for review of the mudmat’s potential interference with underslab and below-grade drainage. The submittal shall include mat thickness, location in plan and elevation, concrete mix specification, and plan for removal/modification to maintain uninterrupted drainage.

1.02  FOUNDATION DRAINAGE DESIGN

The design team shall show foundation drainage on construction documents including piping diameter, fittings, slopes, inverts, cleanouts, and tie-ins to the existing storm system.

Prior to designing subsurface drainage, verify inverts and location of points of drainage connection. Care shall be taken to avoid creation of pore pockets or voids whereas water is encouraged to area by path of least resistance.

Provide bi-directional drain cleanouts (see standard detail 1.7.2) to allow maintenance of foundation drainage system.

1.03  FOUNDATION DRAINAGE LAYOUT VERIFICATION

Representatives from the Cornell project management team and Cornell Utilities shall review all foundation drainage prior to backfilling operations. As-built layout for foundation drains including slopes, inverts, and cleanout locations shall be verified and documented by owner’s testing agency. Submit information for review to the Civil Engineer prior to backfilling.