1. **GENERAL REQUIREMENTS:** Rice University’s campus has experienced flooding over its history. Through studies and computer modeling, the University has established design criteria to set First Floor elevations above anticipated flood water levels.

   1.1 All new construction will be designed to provide, to the extent possible, full “passive” protection against flooding to First or Main Floor elevations established by the University. There are two flood protection elevations established for the campus based on the 1987 datum: 48.0’ and 47.5’. The line of separation is established as College Way. Elevation 48.0’ shall be used north of College Way and 47.5’ South of College Way as shown on Appendix B – Flood Protection Elevation Map.

   1.2 During the development of the design, the Architect shall confirm with the University’s Project Manager the most appropriate, secure, reliable, easy to operate, cost effective and aesthetic means of achieving each measure of flood protection at vulnerable points.

   1.3 Where “active” flood protection options are selected for use on the project, the Architect shall ensure that clear written instructions for putting the flood protection devices in place are part of the project record documents and that University personnel designated by the Project Manager receive appropriate training for the activation/installation of flood protection devices.

2. **SURVEY DATUM:** There are several USGS datum control systems available for use by survey engineers for production of topographic land surveys on the campus. The most typical are: The 1973 and the 1987/88 control systems. Due to subsidence in the area, the 1987/88 elevations are approximately 24” lower than 1973 elevations at the same location. Subsequent revisions to the datum are possible. Architect and design consultants shall discuss with the University’s Project Manager and identify which datum is to be used on their project.

   2.1 Currently, the majority, but not all, of the record topographic surveys of areas of the campus are based on the 1973 datum control. Design Consultants shall confirm with the University’s Project Manager which datum, 1973 or 1987/88 will be used for the project.

   2.2 **All drawings, documents or correspondence including elevation references must include reference to the datum upon which the elevations are based.**

3. **PROJECT SURVEY** – The contractor shall be required to use a registered surveyor to document the building location at the start of construction. The document shall include appropriate plot lines, site elevations for basis of construction, control lines and benchmarks.

4. **FINAL SURVEY** – The University’s Project Manager may hire an independent registered surveyor at the completion of the project to complete a final survey for verification of project criteria and University record. The cost of this survey will be in Project Manager’s budget.