Note: During the programming / verification phase, the design team shall perform a complete survey of the site to include but not limited to topography, geotech study, storm drainage, vegetation, existing U/G utility locations, existing conditions, traffic, circulation, and any additional analysis which is required with respect to the site and adjacent buildings prior to start of the conceptual plans for the building and presentation of options for modeling/massing the new building.

A. SITE CONDITIONS

1. SITE TOPOGRAPHY
   Refer to Section X, Utilities Impact Analysis for site maps. This site consists presently of an asphalt parking lot, other small structures and bins, a limited number of trees, and a grassed area that slopes gently from north to south on the west end and east to west on the north end.

2. STORM DRAINAGE
   Refer to Section X, Utilities Impact Analysis for site maps and description of the site storm water system. There appear to be no environmental constraints to construction, such as wetlands or dedicated conservation areas, and the site does not appear to be within a FEMA floodplain.

3. VEHICULAR AND PEDESTRIAN CIRCULATION
   This site must be improved to allow for traffic, egress, accessibility, and a certain number of onsite parking for visitors, services and ADA. Over 100 of existing parking spaces at site will have to be planned for mitigation as part of this project (total ADA general & reserved ADA is approximately 40 counts). In preparation and design, prior to construction, the pedestrian traffic must be re-directed from several areas outside and from the inside of the new and existing buildings. A covered bridge connection or walkway from the building directly south and east of this site to the new building is desired. It is imperative to maintain service & emergency vehicle access to all vicinity building during construction. In addition, any number of ADA parking removed from the existing parking lot must be temporarily mitigated during the construction until the final designed ADA spaces becomes available through this project.

4. SITE VEGETATION
   Currently it is grassed areas with trees. See the Item “E” in this section for a map of existing tree survey and notes regarding relocation of the palms, mitigation of the elms and protection of the remaining trees on site.

5. ARCHAEOLOGICAL HISTORY
   The Archeological Zones of Sensitivity Map (developed in accordance with Section 267.061(2), F.S.) indicates the project site is not a designated archeological site or within an archeological sensitivity zone.

6. EXISTING UTILITY LOCATIONS
   Refer to Section X, Utility Impact Analysis for campus utility infrastructure maps and description of site utilities.

7. ARCHITECTURAL SIGNIFICANCE OF ADJACENT STRUCTURES
   Nearby buildings are on the National Register of Historic Places, so the design of Chemistry/Chemical Biology will be subject to review – by UF VP, UF committees, and possibly, by the State Division of Historical Resources – for sensitivity to these facilities and general compliance with the Programmatic Memorandum of Agreement between the University of Florida and the Division of Historical Resources dated October 27, 1989.

8. UNUSUAL SITE CONDITIONS
   This area is essentially another “front door” to the University. The design of the building must, therefore, be fitting and appropriate, with no “back end” facades.

   The A/E shall visit and study the area and provide several options for the new building capture the architectural significance of the adjacent buildings as part of its conceptual planning and design efforts.

9. DIRECTION OF PREVAILING WINDS
   There is no University wide study of the prevailing wind patterns. Generally the wind patterns vary seasonally reflecting the global patterns: the Gulf Stream which brings warm, moisture laden tropic air from the southeast; and the arctic winds from northwest buffet the region in the winter. More importantly, the Architect must study the effect of microclimate created by existing tree canopy and site conditions (in addition to the relationship to adjacent building exhaust, fresh air intake and vehicular traffic patterns) in siting the building and in designing for views and HAVC/MEP systems. This is a fume hood intense building and as such a wind/wake study and analysis must be performed as part of the basic design.

10. For initial planning purposes, it was assumed that Chemistry/Chemical Biology Building with an
assumed 100,000+ GSF – will be the same height as the adjoining east side building and the south end portion of the building to accommodate all the lab areas.

B. BUILDING CONDITION SURVEY

1. This project will include new construction and partial renovation of existing facilities to comply with the Program requirements. As described in previous sections, for this project, the design team will be responsible for meeting with the appropriate Users, visiting the adjoining chemistry buildings, surveying and analyzing the existing facilities for their functionality to determine the best programmatic fit that maximizes function in the new building while preserving esthetics and acceptable heights and renovating portions of existing facilities to accommodate the balance of the program. Access to all available plans for adjacent buildings will be provided.

C. CAMPUS MAP & SITE MAP

Refer to Section X, Utilities Impact Analysis for site maps.

DESCRIPTION

1. Campus and Facilities Location Map.

2. Site and Topographical Map. The existing topography is attached in Section X. See note #1 above.
D. FLOOR PLANS

Floor Plans (Floor Plans follow end of this SITE ANALYSIS Section)

1. Not an existing building, therefore not applicable.
E. Tree Survey: