

Welcome!



Sam Houston State University

# 2020 Campus Master Plan

## Campus Analysis

The following slides are illustrated the physical properties of the SHSU campus including land use, open space, vehicular circulation, pedestrian circulation, and utilities. The existing conditions will be the framework by which the alternatives and final master plan will be developed.

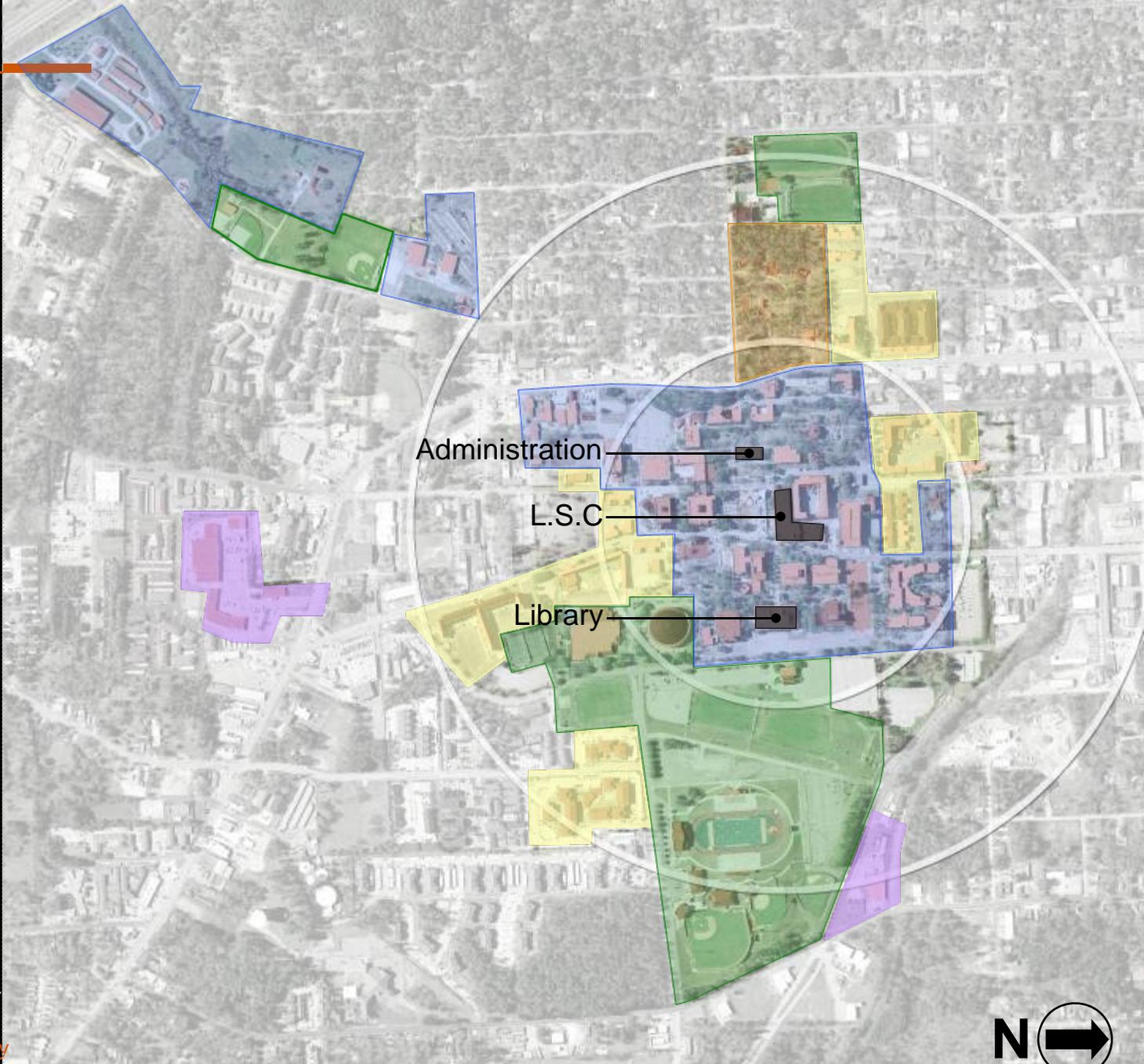
**JJR**

in association with  
**WHR, E&C, PCR**

# Existing Land Use

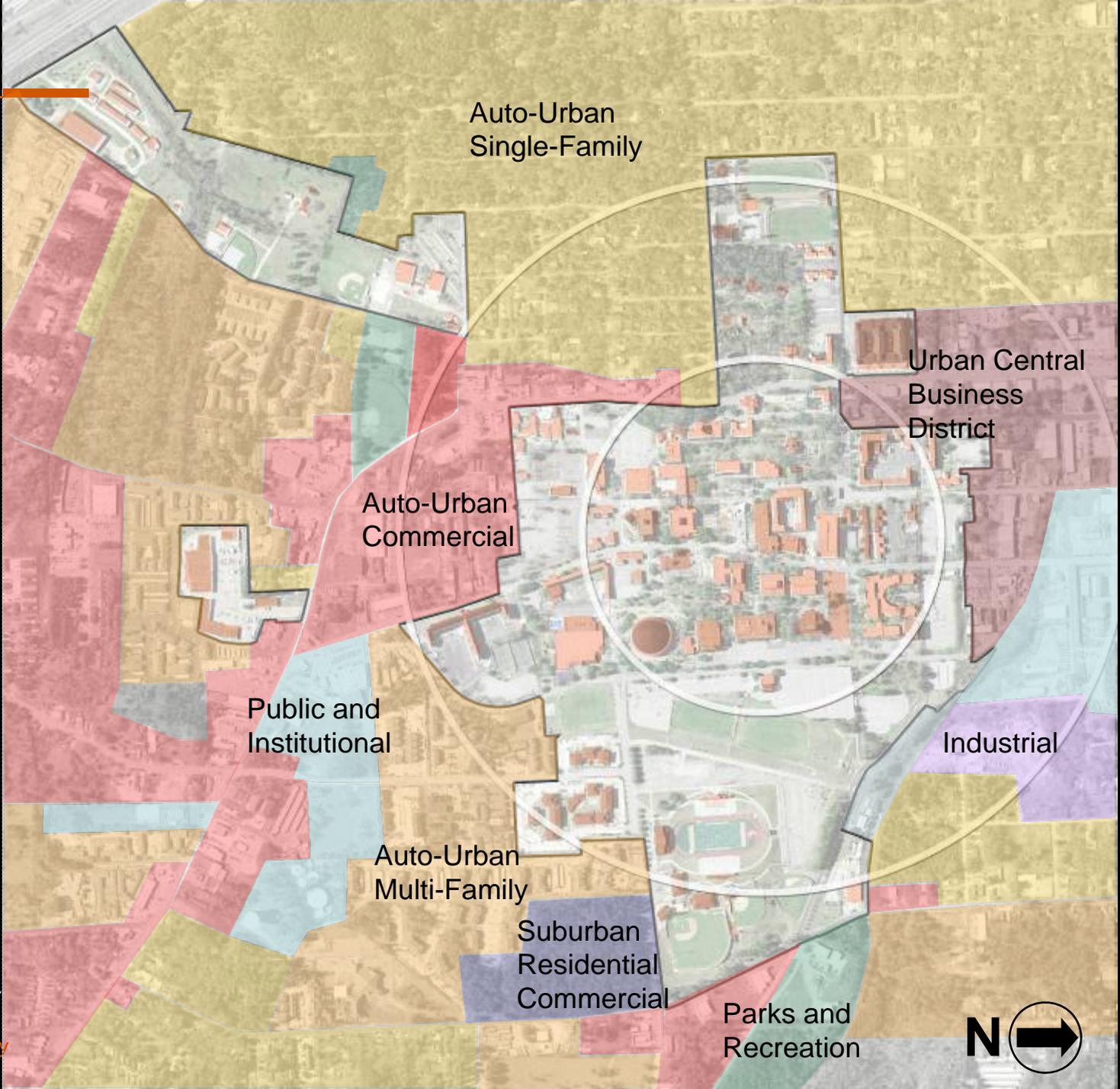
The Land Use Diagram illustrates a compact core of academics with residential to the north and south and athletics primarily to the east of the campus. Having student services like admin, the student center and the library in the core of the campus is one of its greatest assets

- Academic
- Recreation
- Residential
- Museum
- Support



# Local Context

The Surrounding Land Use Diagram illustrates the general character of the uses surrounding the campus, with single family neighborhoods to the west, the downtown to the north, and a mix of multi-family, strip commercial, and industrial developments to the south and east.

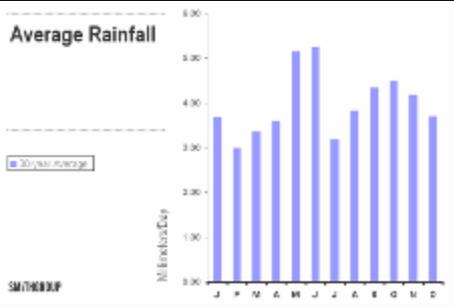
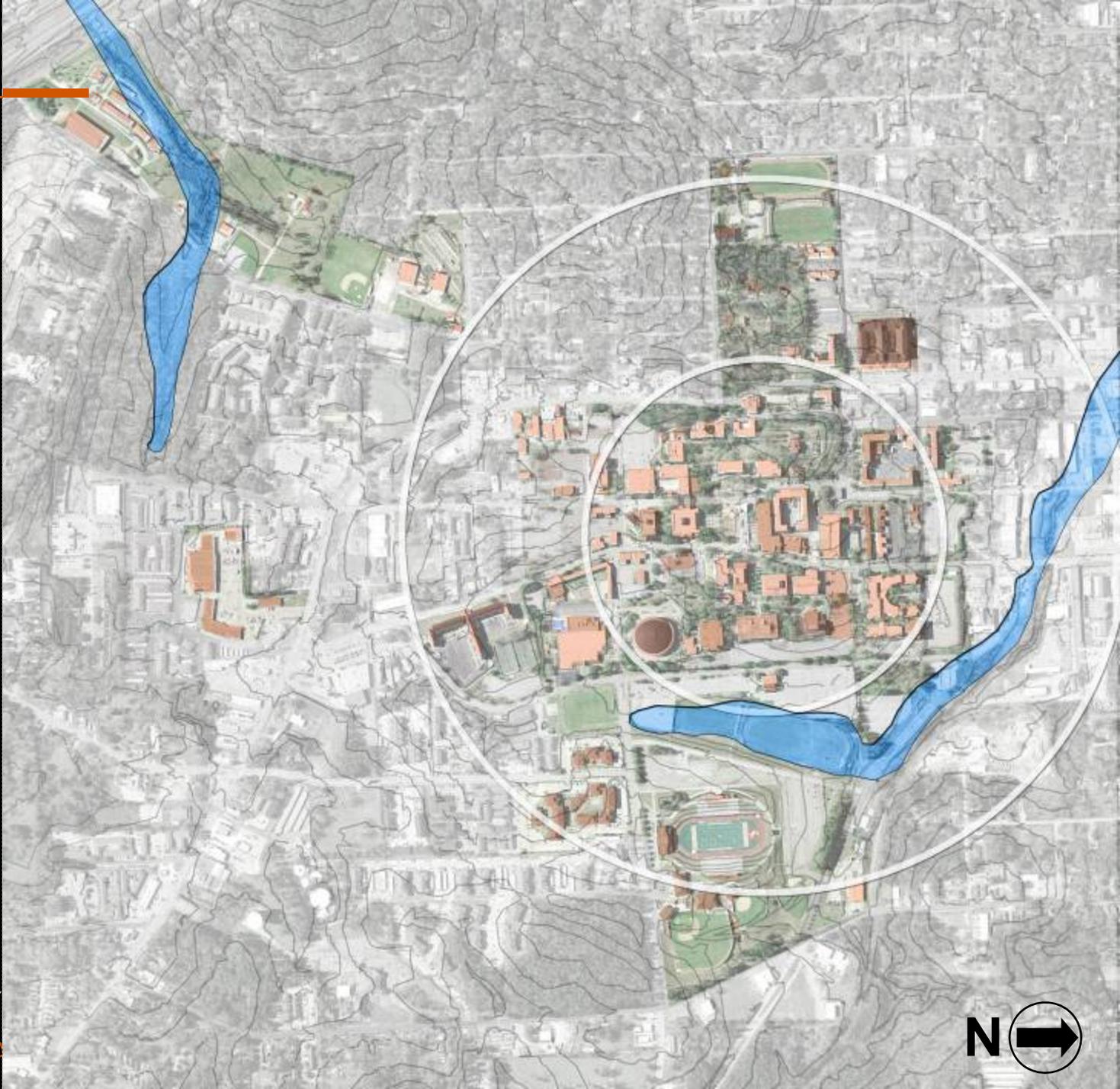


\*Surrounding uses based on [Huntsville Horizon Comprehensive Plan, DRAFT Future Use Plan](#)



# Hydrology

The Hydrology Diagram illustrates the areas of campus that are within the 100-year flood plain. These areas can be used for non building uses.



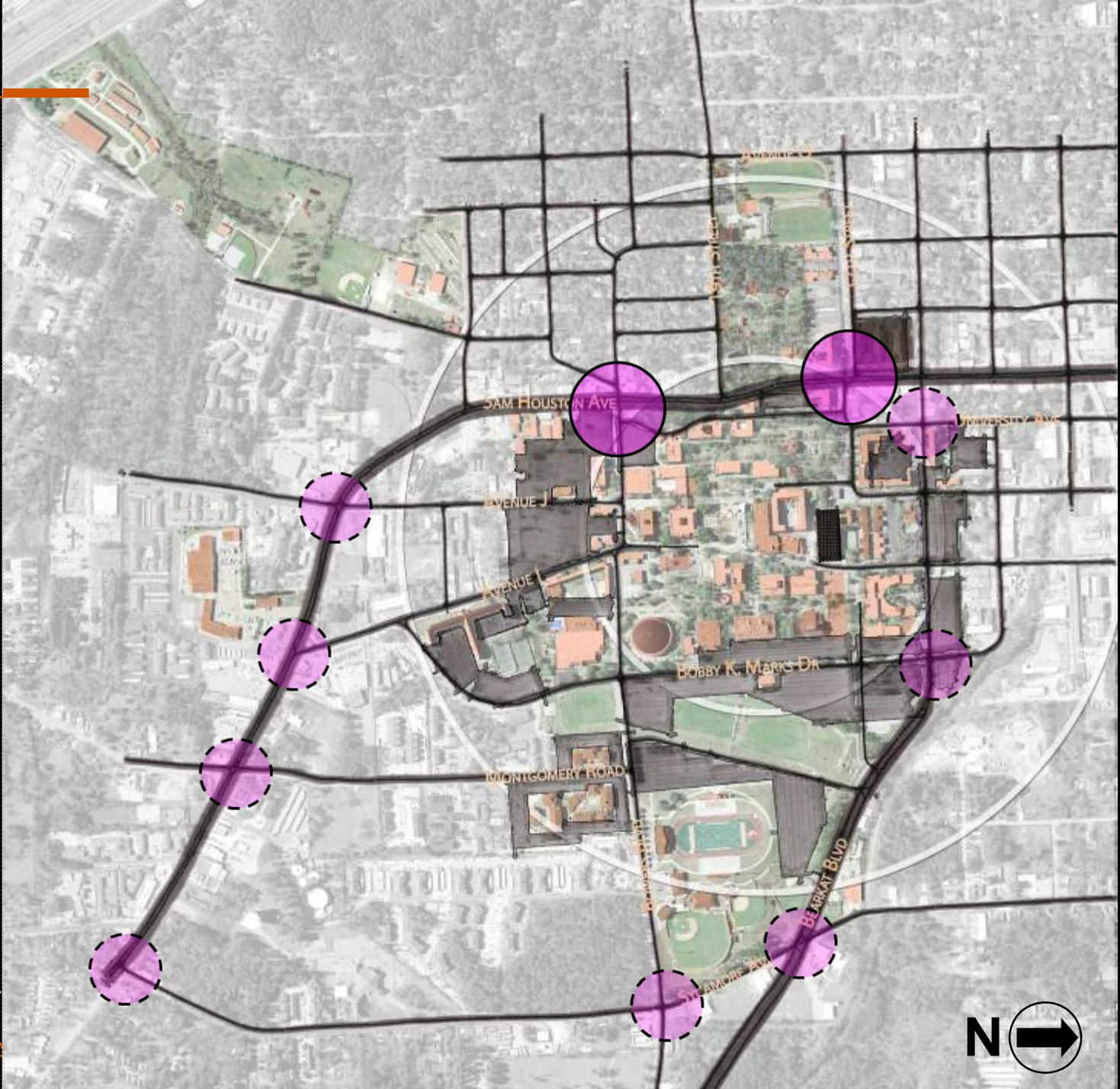
# Open Space

The Open Space Diagram illustrates the major open spaces on the campus.



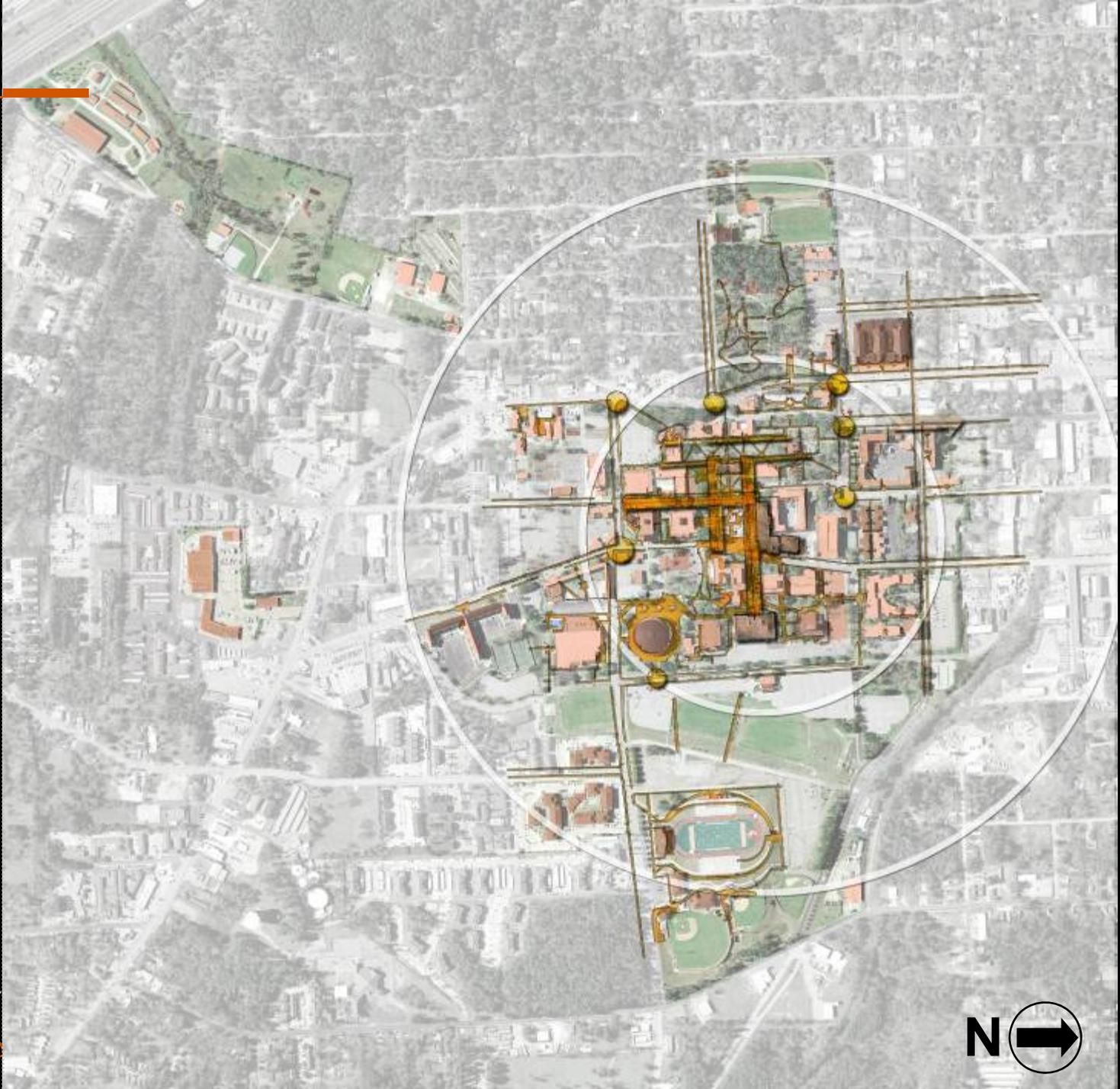
# Vehicular Circulation

The Vehicular Circulation Diagram illustrates the existing road network, major decision points and entrances into campus, and parking distribution.



# Pedestrian Circulation

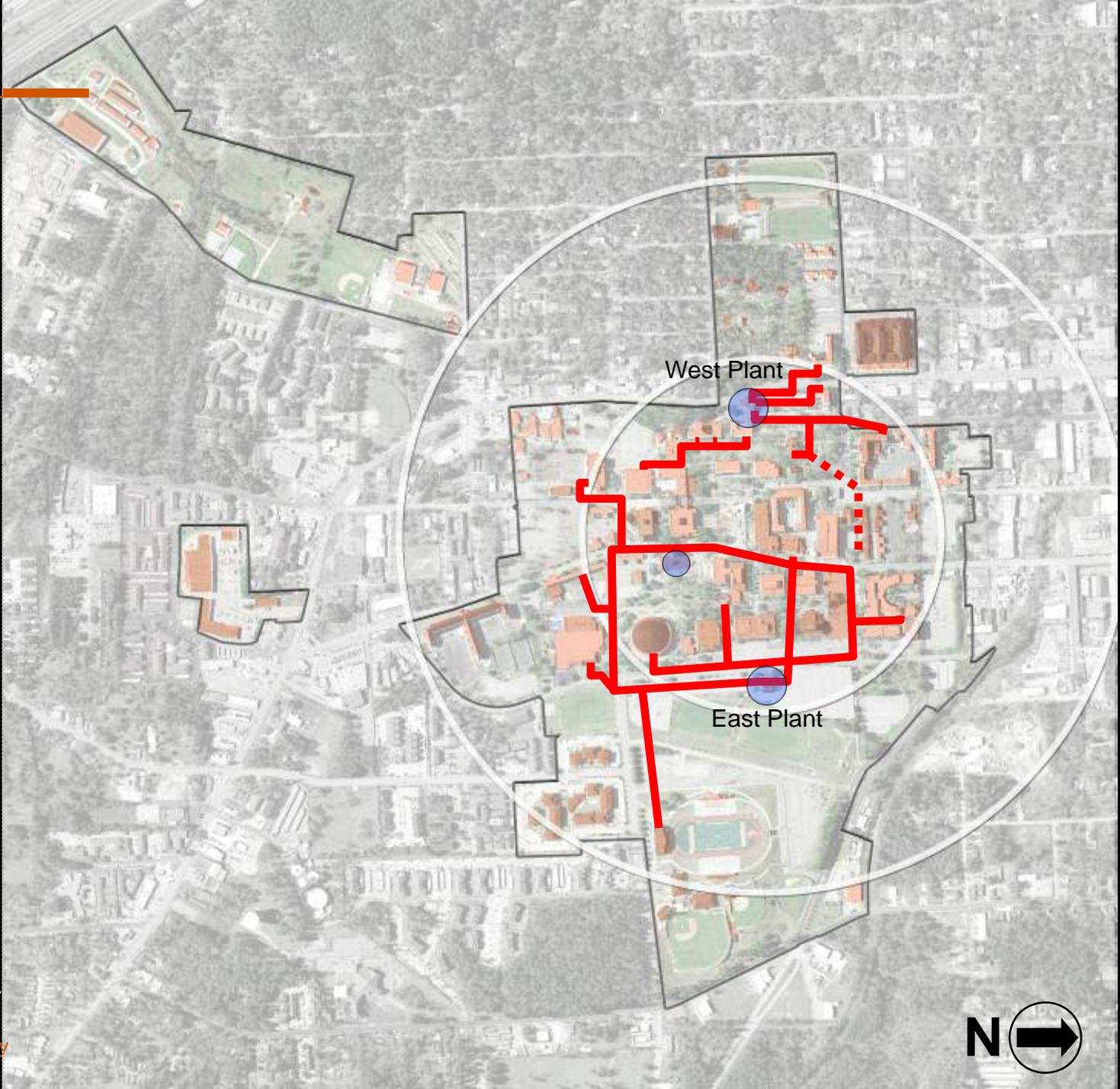
The Pedestrian Circulation Diagram illustrates the major malls, pedestrian corridors and pedestrian/vehicular conflicts on campus.



# Existing Utilities

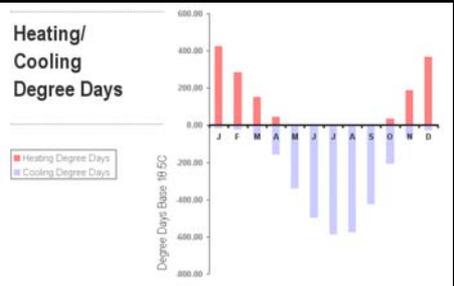
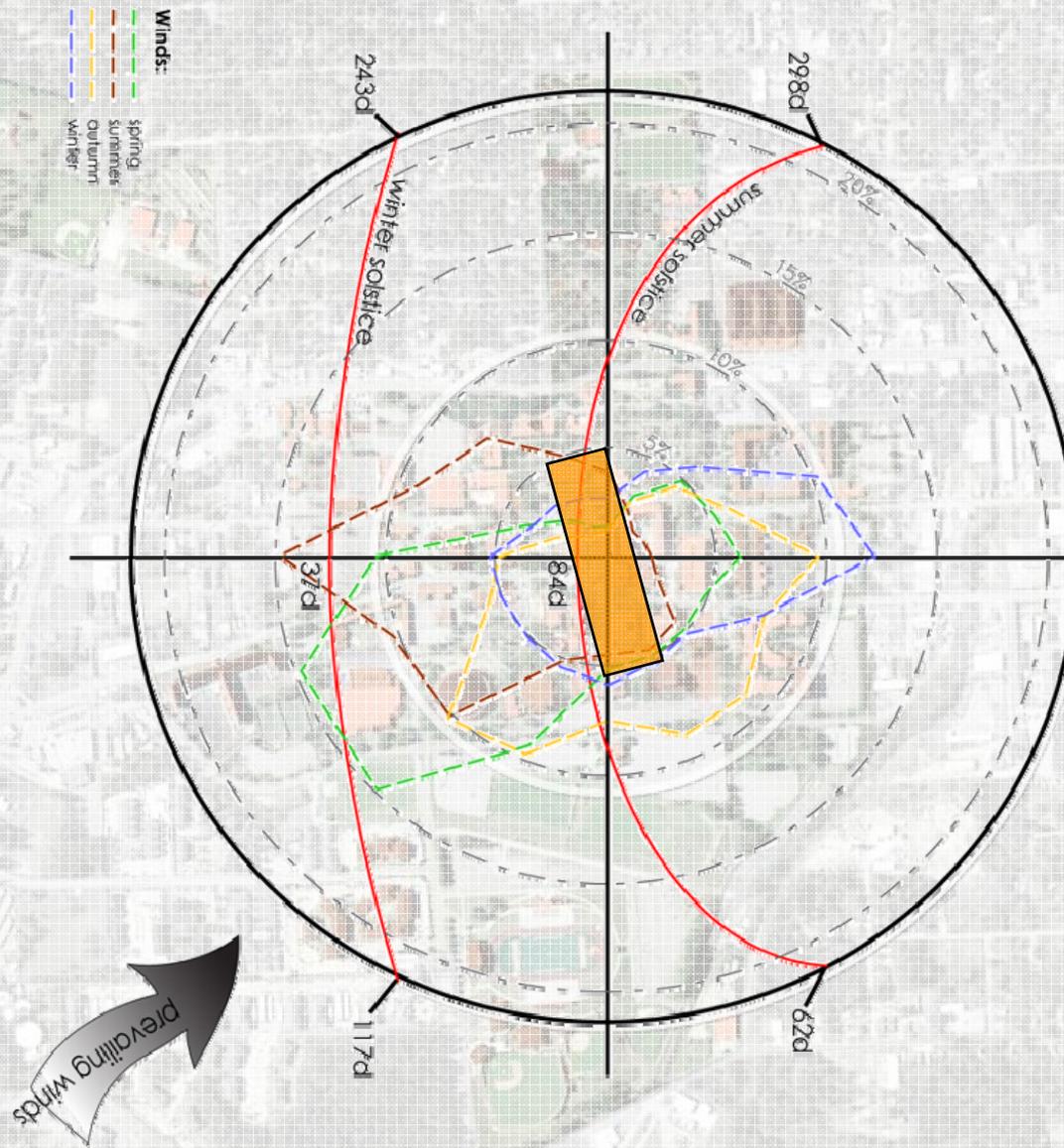
The Utilities Diagram illustrates the locations of the plants and major utilities corridors on campus.

- **West Central Plant:**  
Capacity = 2,400 tons  
Spare = 1,000 tons
- **East Central Plant:**  
Capacity = 3,200 tons  
Spare = 300-500 tons
- **Middle Central Plant (AB5):**  
Capacity = 800 tons  
Spare = 300 tons



# Solar Orientation

The Solar Orientation Diagram illustrates the ideal orientation of future buildings for solar gain in the winter and solar shading in the summer.



# Existing Densities

The Existing Densities Diagram illustrates the densities of the academic core in Floor Area Ratio or FAR. FAR is the ration of land area to building area, the higher the number the denser the campus.

