



UNIVERSITY of 
West Georgia

PPV-71-1102 East Village
SITE SUITABLE & SUSTAINABLE DESIGN



CAMPUS MAP



UNIVERSITY OF WEST GEORGIA

CAMPUS MAP

SITE PLAN



Housing:

Adapted (3) existing plateaus, 1046', 1058', and 1070' From Downs and Boykin Halls to create stepped foundation of the new housing building to address 30' of fall resulting in a balanced cut and fill. This reduces the need for expensive hauling in or off of soil, while maintaining the character of the site.

Dining / Housing and Residence Life Offices:

Notched a partial basement into an existing 16' of fall creating a full level of dining program at 1070' and a partial level of housing and residence life offices at 1056'. This results in a balanced cut and fill condition, while achieving accessibility to service, bus drop off and two avenues of pedestrian circulation.

Bowdon Hall

Connected 5 levels of an existing building to communicate with one another, allow proper access from existing parking as well as linking these 285 students to a vibrant, common East Village courtyard.



Natural Site Plateaus



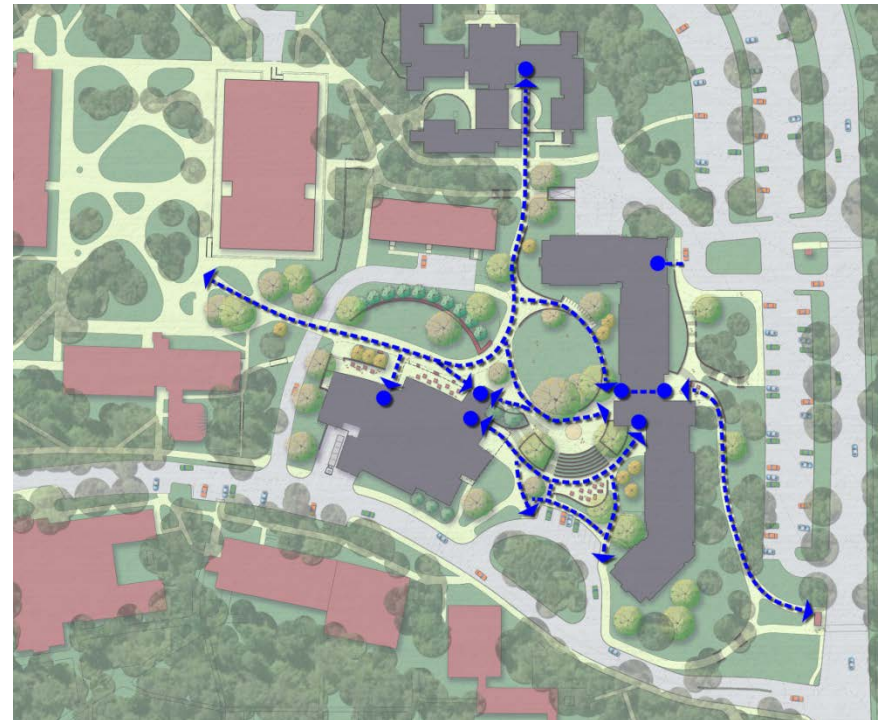
Use of 3D Models to Study Complex Site

ADA

- Dining / HRL building provides secure 24 hour ADA vertical connection between 1070' and 1056 levels.
- New Housing building provides accessible points at all levels (1046', 1058', and 1070').
- Convert non-accessible Bowden Hall to Handicap friendly dorm by adding lifts at lobby (from 1035' to 1038' level), new elevator to connect all levels, and new accessible bridge providing connectivity to East Village.
- UWG to extend bus service to new 1070' drop off which connects East Village to the rest of campus.
- Site Design provides 100% ADA Accessibility across the entire site linking Academic Core, Housing and Residence Life offices, Dining, New Housing, Bowdon and Gunn Hall.



24 Hour Vertical ADA Access



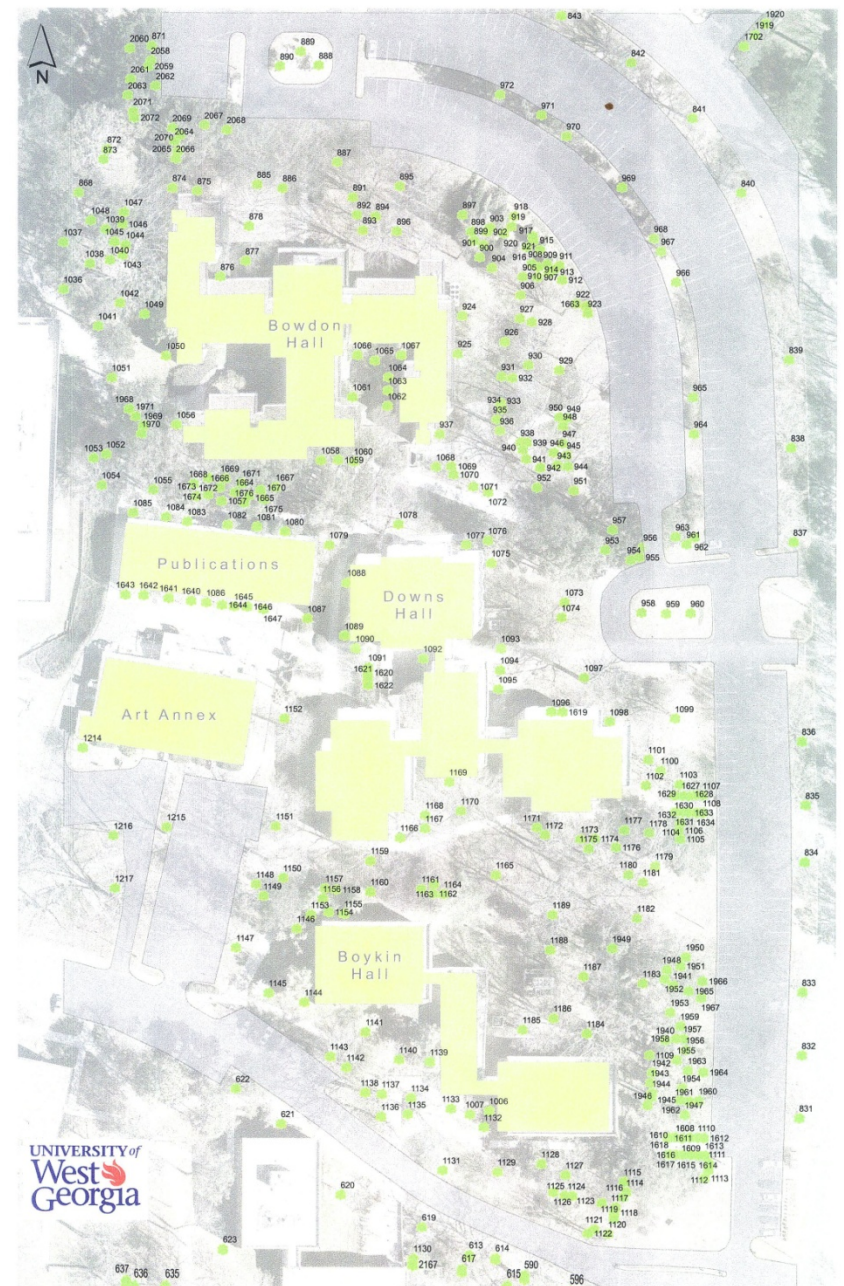
Full Site Accessibility

TREES

- Tree survey of every existing tree defining type, size and condition.
- New construction takes advantage of existing footprints from demolished buildings.
- Maintaining 60% of existing trees on site.
- **NO** net caliper inch loss of trees as replacement trees to be planted on campus.



View of Site From East Entrance



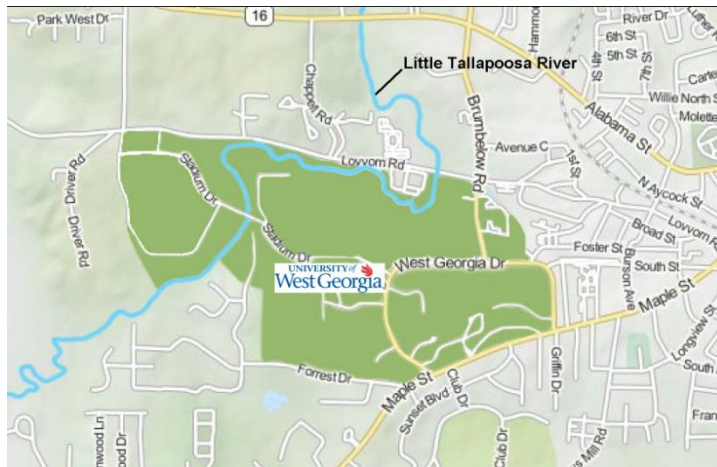
Tree Survey

RAINWATER HARVESTING

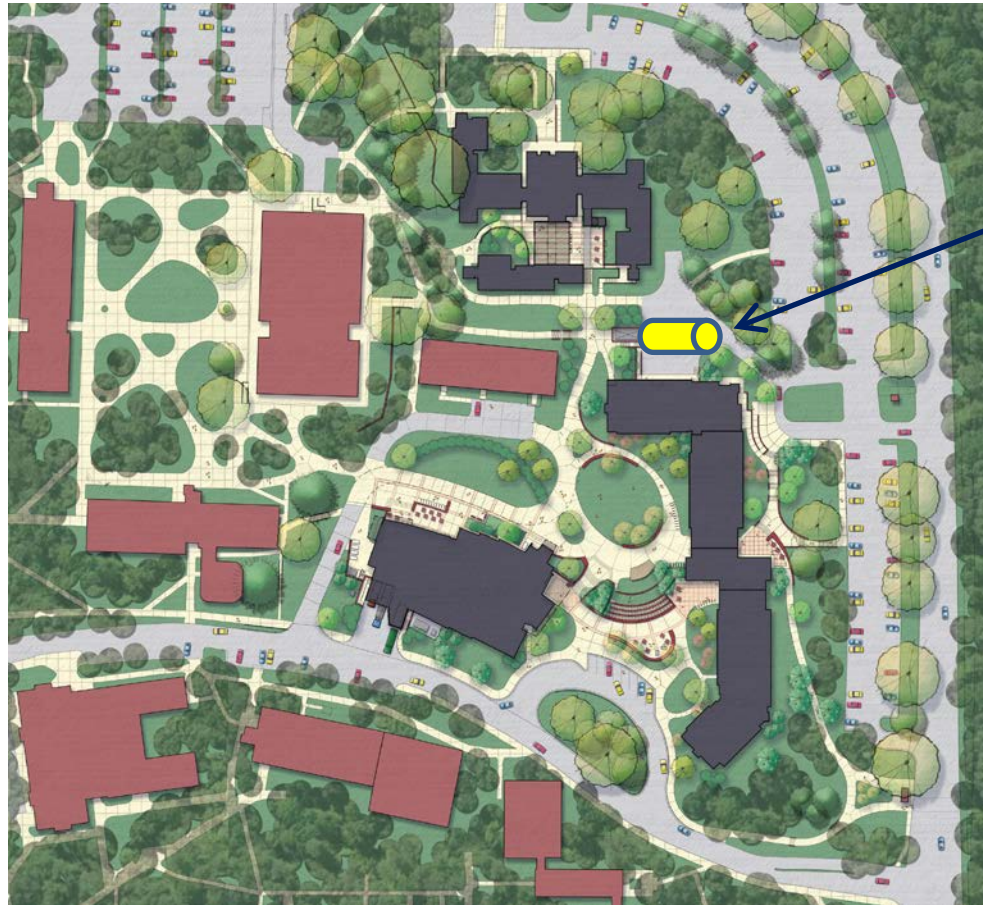
- Roof Design of Dining Building at East and West corners direct roof water to dry Bio Swales at high impact areas of the site allowing recognition, understanding, and education to the students as they pass.
- Storm Water run-off is coordinated with the City of Carrollton's storm water philosophy to direct rain water to the river during flood events before upstream loads arrive to compound the effect on downstream flooding.



Bioswale



CISTERN



Cistern to be located under service yard pavement.

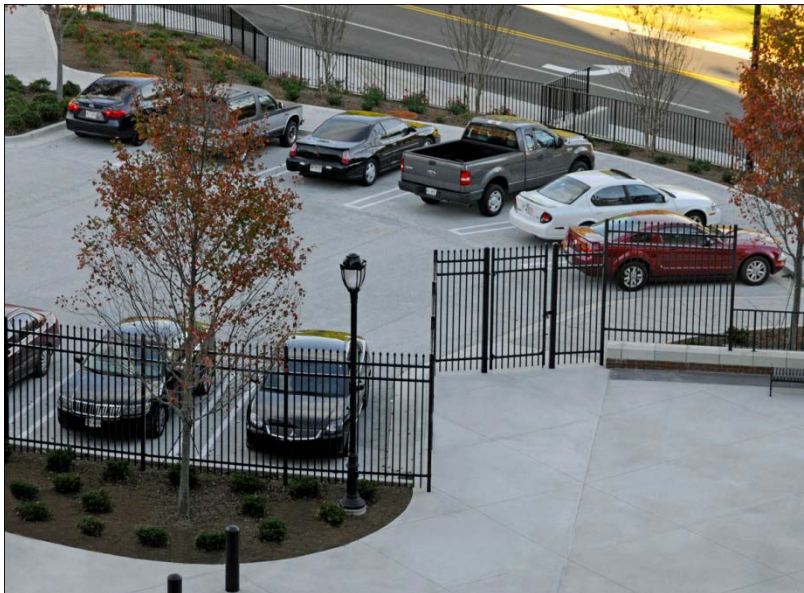
- Collection of roof runoff in a 50,000 gallon Cistern supports irrigation techniques common across UWG, at Bookstore, Coliseum, New Nursing building etc.

HARDSCAPE DESIGN

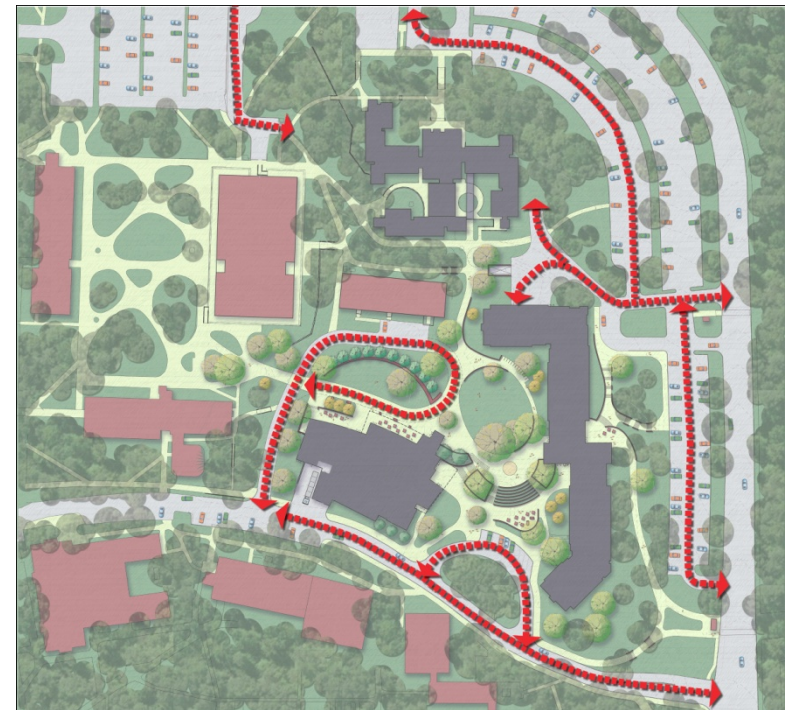
- Pedestrian plaza doubles as fire lanes.
- Use of Natural Amphitheater provides highly social “green” activity area while addressing 14’ change in grade. Removes the need for expansive, overbearing site retaining walls.
- Possible pervious pavement at parking on drop off loop.



Example of Natural Amphitheater



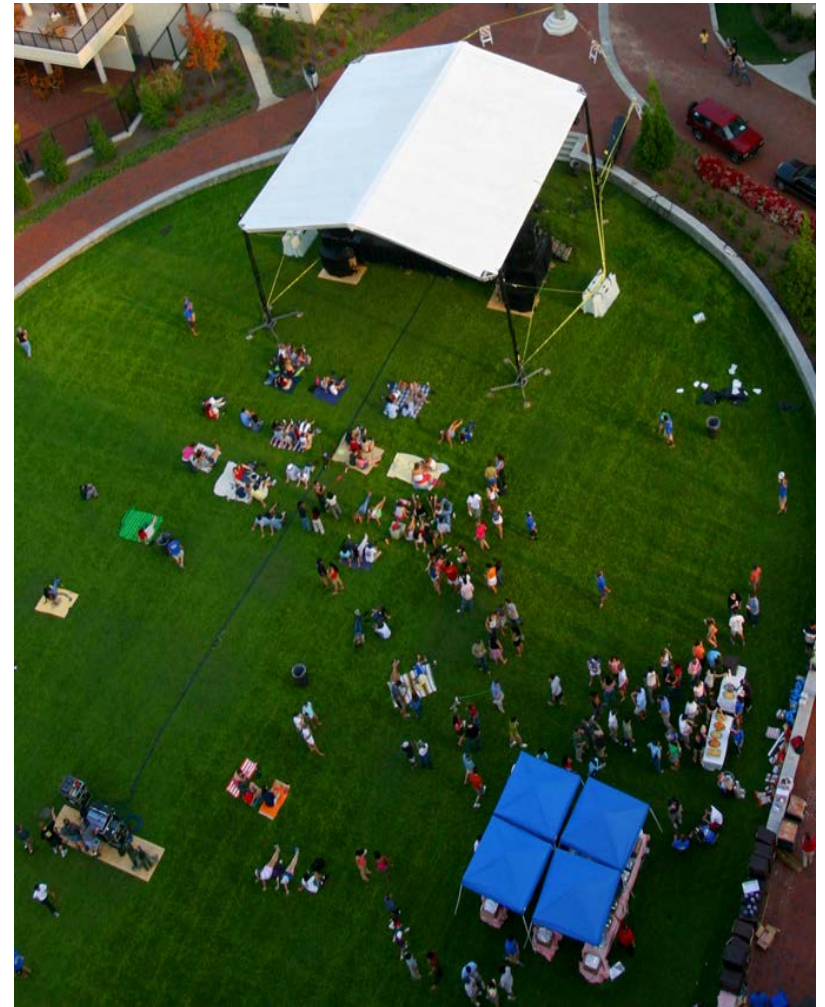
Pervious Concrete Parking



Fire Access

LANDSCAPING

- 70% Native species cultivars.
- All new plantings and turf areas are drought tolerant.
- Minimal hardscape at social areas leading to preponderance of large natural open areas.
- Site lines accentuate “View Corridors”
- Cleaning up of site. 3 buildings demolished, asbestos abatement.



DINING HALL SUSTAINABLE FEATURES



- Natural light at north facing glass wall.
- Trayless serving.
- Pulper for trash reduction.
- Grease collection and recycling.
- Cardboard and glass recycling.



SUSTAINABILITY SCOPE

Site Sustainability in Project Scope

- Graded for a balanced site.
- Maintain Tree Canopy.
- ADA Access throughout East Campus.
- Fire lanes used as pedestrian plazas.
- Drought tolerant native landscaping.
- Clean-up of Hazardous site conditions.

Potential Added Scope

- Cistern for rainwater harvesting – irrigation.
- Bio Swales.
- Amphitheater for grade change.
- Pervious paving.

