

CAMPUS DESIGN REVIEW
November 18, 2009
Primrose Hall Conference Room

ATTENDEES: Barbara Mulkey
Gayle Lanier
Gene Bressler
Timothy Luckadoo
Davis Horning
Samuel Collier
Edward Funkhouser
Kevin MacNaughton
Michael Harwood
Lisa Johnson

Additional Distribution: Barbara Doll, Robin Abrams, and Peter Barnes

Welcome

Mr. Harwood welcomed the members to the meeting at 2:10 p.m.

2. New Projects:

The Atrium Renovation

Site Location: North Campus

Architect: Moser Mayer Phoenix Associates

Designer Representative: Alan Cox

- The Atrium is the major north campus food service facility and is located on the lowest level of the Erdahl Cloyd wing of the DH Hill Library. The entrance to the Atrium is on the Brickyard side of the building. The plaza adjacent to the Atrium has recently been renovated and includes new exterior seating.
- The project will renovate about 16,000 SF of interior space. It will provide an expanded servery that will improve traffic flow. An additional 1,200 SF will be enclosed under an existing balcony, resulting in an increased seating capacity (a gain of about 50 seats). The north campus satellite bookstore will be relocated to the front of the facility to provide better access and visibility.
- The entire storefront on the ground level will be replaced with materials/color to match the existing building. The top portion of the storefront will include a spandrel panel.
- New exhaust ducts will need to be routed through the two Library floors about the Atrium to the roof. Discussions are ongoing with NCSU Libraries as to the exact location for the duct chase.

Discussion:

The Panel noted that effort should be made to salvage existing bricks from demolished portions of the wall and reuse them around new openings. The impact on the exterior of the building of the new exhaust ducts was discussed. The Panel noted that the duct exhaust stacks should be set back from the exterior face of the building. The new exterior material and colors should blend well with the existing building.

Action:

The Panel recommended that more detail be provided for the new kitchen exhaust on the roof and that samples of all exterior materials be provided.

Isenhour Tennis Complex Expansion

Site Location: Central Campus

Architect: Woolpert North Carolina

Designer Representative: Roger Dahnart

- The project will provide renovated tennis courts, 1,000-seat spectator grandstands over shell space for future expansion, toilet facilities, court lighting, scoreboards and new landscaping.
- The existing tennis courts will be moved north to allow for the spectator seating on the south side of the courts. The project will address the existing soil and drainage problems for the courts. The large oak trees north of the project will be protected.
- A new entrance and accessible elevated walkway will connect the parking north of the site to the new elevated spectator seating. A new stair/elevator structure will be located adjacent to the existing facility to provide access to the ground level and thee existing indoor tennis facility.
- The project includes an entrance gateway with signage and entry plaza just north of the existing exterior courts. The entry plaza includes surrounding stone seat walls and the “Block S” centrally located in the pavement.
- The new seating and concourse will be elevated adjacent to the existing indoor tennis facility and includes a fence with screening or ‘scrim’ graphics to separate the seating area from the existing building/roof.

Discussion:

The Panel discussed the new entry plaza and thought that more brick was needed along with more detail for the entrance gateway. The panel questioned whether or not the facility could be adequately secured at the elevated walkway. The Panel was concerned about the detail between the existing building and new seating structure and wanted to know what vending options would be available to spectators.

Action:

The design should include more brick at the main entrance seat walls. The Panel is concerned about access control when the facility is not in use, especially at the elevated walkway. Provide options for the gateway entrance that include more brick and standard university signage. Provide more detail at the seam between the existing building and the

new structure. Include more information regarding the fence and fence screening at this location. Investigate vending options for spectators for this facility. Provide more detail on the landscape planting and storm water management. Match the existing facility exterior material pallet. Provide samples of all exterior materials.

Yates Mill Multipurpose Building

Site Location: Historic Yates Mill Park – Lake Wheeler Road
 Architect: JG Craig Designs
 Designer Representative: Howard Harrell

- The project will provide a 1,700 SF multipurpose building for retail sales, storage, educational classes and processing of cornmeal and grits. Ticket purchasing will move to this building.
- The exterior material will be similar to the existing educational building; standing seam metal roof, cedar siding and a stone porch.
- The new building is sited adjacent to the parking and along the path to the mill.
- The existing open air pole barn structure located behind the new multipurpose building may be turned into a picnic shelter for visitors.

Discussion:

The Panel discussed the pedestrian flow and the need to have a staging area for student group tours. The existing open air pole barn structure was suggested. The building’s utility needs will be served from the existing educational building underground.

Action:

*The Panel recommended **approval** of this project subject to the following directive: provide a path from the new facility to the open air shelter that will be used a picnic shelter for visitors. Consider path routes that will have a minimal impact to the surrounding environment.*

3. Updated Projects:

Centennial Campus Parking Deck

Site Location: Centennial Campus
 Architect: AECOM
 Designer Representative: Kevin Utsey

- The project will provide a 500-plus car parking deck for the new Hunt Library. The deck will be constructed of pre-cast concrete with internal ramps. The deck will be accessed on-grade at three levels. Materials include precast masonry, brick, metal mesh and glass.
- This project was previously reviewed at the August 2009 CDRP meeting. The Panel’s request for more information and better articulation of the metal mesh panels was provided. Wayfinding through the deck was also addressed: the main entrance to the deck now aligns with the path that extends from The Oval (between EBI and future EBV) and a pedestrian

opening has been added to the lowest level of the deck that will connect to a future campus path to the west. Exterior material samples were provided.

Discussion:

All previous comments were addressed.

Action:

*The Panel recommended **approval** of this project and requested that field-erected material sample panels be reviewed and approved by the Office of the University Architect.*

Subsequent to the meeting the Board of Trustee's Buildings and Property Committee reviewed the project and requested further exploration of the metal mesh product. The designer was requested to reduce the extent of the metal mesh and to include it only as an accent at the two stair/deck entrances.

West Lot Parking Deck

Site Location: Central Campus

Architect: Kimley Horn & Associates (lead)
Pierce Brinkley Cease & Lee

Designer Representative: Stephanie Hatchem – Kimley Horn
Dennis Stallings – PBC&L

- The project will provide an 800- space parking deck with internal ramps, three stairs, and one elevator. The deck will be precast concrete and will include precast masonry, brick, metal panels, and glazing. This project is phase one of a two phase parking deck project.
- The project was previously reviewed at the August 2009 CDRP meeting. Trees and plantings have been added to the plaza area at the northwest corner of the building as requested and exterior material samples were provided.
- The metal panel sample is polished perforated stainless steel. It is located at the main entrance stair and along the north face of the building (bid alternate).

Discussion:

The Panel was concerned about the metal panel samples and the polished finish. The Panel thought that it would be helpful to see photos of an installation of this material. The Panel also discussed opportunities for NC State branding.

Action:

*The Panel recommended **approval** of this project with the following design directives: Locate a NC State University symbol (branding) somewhere near the building main entrance, perhaps in the plaza paving or seat wall. The Panel would like to see photos of an application of the perforated metal panels and requests that a polished finish not be specified. Final material selections should be based on field-erected sample panels and reviewed and approved by the Office of the University Architect.*

Subsequent to the meeting the Panel reviewed photos of other perforated metal panel installations and provided the following design directives to the design team: 1) Metal panels will be used as an accent at the main building entrance only. Delete the metal panels from the north elevation. 2) Metal panels should be continuous. The current design has 14 foot wide panels with 16 inches between them. 3) Metal panels should be a satin finish.

4. Next Meeting:

The next Panel meeting is scheduled for January 27, 2010, 2:00 to 4:30 PM.

The meeting adjourned at 4:30 p.m.

CAMPUS DESIGN REVIEW
October 28, 2009
Primrose Hall Conference Room

ATTENDEES: Barbara Mulkey
Timothy Luckadoo
Barbara Doll
Davis Horning
Samuel Collier
Edward Funkhouser
Peter Barnes
Michael Harwood
Lisa Johnson

Additional Distribution: Gayle Lanier, Robin Abrams, Gene Bressler, and Kevin MacNaughton

Welcome

Mr. Harwood welcomed the members to the meeting at 2:10 p.m.

5. New Project:

Doak Field Baseball Video Scoreboard

Site Location: Central Campus

Architect: Daktronics

Designer Representative: Don Ferree

- The project involves the procurement and installation of a new video scoreboard for the Doak Baseball Field. The new video scoreboard will be located in right field. The existing scoreboard is in left field and will be removed. The three flag poles located in right field will be relocated.
- The movement of the scoreboard from left field to right field will positively impact the future housing site behind left field.
- The score board will be about 43 feet wide and about 41 feet tall including the 8 foot tall fence. It will include five sponsor panels. There will be a net to protect the video board.
- The backside of the scoreboard will be painted either black or dark green.

Comments:

The Panel was concerned about that the scoreboard may encroach into the Neuse River Buffer if moved behind the fence at left field. The Panel discussed having 'NC State University' added to the scoreboard in a prominent location and discussed using an arch in lieu of the angled corners on the top of the scoreboard. The Panel thought that the lettering on the angled corners looked distorted.

Action:

The Panel recommended adding 'NC State' or Wolfpack' to the permanent lettering, not using backlit panels for the sponsor graphics and the panel requests confirmation that the scoreboard will not encroach into the Neuse River Buffer. The Panel also requested that the top or crown of the scoreboard be redesigned so as not to have lettering/words on an angle that distorts the lettering. The project was approved contingent upon the above comments being reconciled through the Office of the University Architect.

6. Next Meeting:

The next Panel meeting is scheduled for January 27, 2010.

The meeting adjourned at 3:30 p.m.

CAMPUS DESIGN REVIEW
August 26, 2009
Primrose Hall Conference Room

ATTENDEES: Gene Bressler Robin Abrams
 Timothy Luckadoo Barbara Doll
 Samuel Collier Kevin MacNaughton
 Edward Funkhouser
 Michael Harwood Tom Skolnicki

Additional Distribution: Lawrence Davenport
 Lisa Johnson
 Barbara Mulkey
 David Horning

Welcome

Mr. Harwood welcomed the members to the meeting at 2:06 p.m.

7. New Projects:

Centennial Campus Parking Deck – #102

Site Location: Centennial Campus

Architect: AECOM

Designer Representative: Steve Bostian

- The Centennial Parking Deck site is on the west side of Partners Way across from Engineering Building I and future Engineering Building V. The deck will provide 530 spaces, and utilities infrastructure in Partners Way.
- The building will be three and a half floors or four full floors if an add alternate is selected. The building will have two stories visible along Partners Way and either three or four stories facing west, depending on whether or not the alternate is selected.
- The exterior skin is brick and precast. Stainless steel mesh panels appear in addition to the brick and precast on the east, and south elevations.

Comments:

The Panel was concerned about pedestrian circulation and wayfinding to, from and around the deck, and was concerned that there is not an exterior stair between the surface parking and Partners Way. The Panel inquired about the use of passive solar facilities on the building, and about alternative transportation accommodations.

Action:

The Panel recommended that spaces for electric vehicle plug in be placed in prime locations to encourage their use. The Panel requested a way finding plan and sample panel at the next meeting.

West Lot Parking Deck – #101

Site Location: Central Campus

Architect: Kimley-Horn & Associates; and Pearce, Brinkley, Cease and Lee

Designer Representatives: Steph Hachem, Dennis Stallings

- The first of two or more phases in development of the West Lot Master Plan, this deck will provide spaces for approximately 860 vehicles, and is designed to accommodate a 15,000 to 16,000 GSF building on the south side of the deck which is not part of Phase I.
- The deck is primarily to be precast, with brick used at places where people come into contact with the building. The northwest stair will introduce stainless steel mesh, metal panel, and glass in addition brick and precast.

Comments:

The Panel was concerned about the ability to keep the glass on the stair tower clean over time. The Panel inquired about the possibility of treating more of the storm water on site to improve water quality.

Action:

The Panel recommended adding a short walk to connect the deck with the eastern surface parking and points due east from the deck. The Panel recommended creating a grassy swale that steps down, on the north side of the deck. The Panel requested a sample panel for the next meeting.

8. Update Projects:

Hunt Library – #097

Site Location: Centennial Campus

Architect: Pearce, Brinkley, Cease and Lee; and Snohetta

Designer Representatives: Clymer Cease, Craig Dysert, Elaine Molinar, Brian O’Haver

- The ARS was lowered, reducing the height of the building by one floor.
- New elevations show the development of the skin, consisting of white metal panel, silver fins and glass. The silver fins serve as sun screens. Colored dot screens on the glass at IEI will add a range of color to the north end.
- The Oval is planned to be developed in three zones. Each zone will support a different use and seating patterns. The southern zone, facing the library, will have a change in the brick pavers and the paving pattern to support the concept of weaving used in the building design. The path layout also is intended to articulate the idea of weaving.

Comments:

The Panel was concerned that the south elevation loses human scale and that the exterior expression of the café is not evident. The Panel indicated a favorable attitude toward the progress and the contemporary architectural design, but expressed concern that the project should also incorporate cutting edge site features into the design. The Panel requested cover at the west entrance and a reduction of hardscape adjacent to the building.

Action:

*The Panel recommended **approval** of the Hunt Library project, and directed the use of more large shade trees in the slope south of the Oval, and a reduction of hardscape adjacent to the building.*

Facilities Operations Support Space – #096

Site Location: Central Campus

Architect: Davis Kane Architects

Designer Representatives: Kevin Kane

- All rain water will be captured in cisterns
- Exterior building materials will match the palette begun with previous expansions.

Comments:

The Panel was interested in the seed mix for the natural areas to the south of the building. It was suggested that Rocky Branch be used as a template for this project.

Action:

*The Panel recommended **approval** of the Facilities Operations Support Space, and requested that all final material selections be reviewed and approved by the Office of the University Architect.*

Steam Plant Renovations – #099

Site Location: Central Campus

Architect: Sebesta Bloomberg and BBH Design

Designer Representatives: Drew Bjorklund, Douglas Hall

- The type of fuel being burned will be changed to reduce the carbon footprint, which will reduce the odor problems associated with the storage tanks at the Cates Plant site.
- The plans include re-using rainwater and condensate from the equipment.
- The west side of the Cates Plant will include metal panels
- The Yarbrough Plant will re-create window openings that had previously been closed in.
- A portion of the existing brick wall will be removed to access the equipment, and then restored at the conclusion of the project.

Comments:

The Panel was unclear about all of the types of metal panels, and the various finishes being recommended. The Panel was concerned about pedestrian safety around the Cates Plant site.

Action:

*The Panel recommended **approval** of the Cates Steam Plant project, and requested more information about the panel material, profile and finish on the west elevation. The Panel directed the design team to prevent pedestrians from traveling between the plant and the existing fuel storage yard. All exterior materials are to be approved by the Office of the University Architect.*

9. Next Meeting:

The next Panel meeting is scheduled for September 30, 2009.

The meeting adjourned at 4:48 p.m.

CAMPUS DESIGN REVIEW
May 27, 2009
Primrose Hall Conference Room

ATTENDEES: Gene Bressler Robin Abrams
 Timothy Luckadoo David Horning
 Lisa Johnson Kevin MacNaughton
 Samuel Collier Edward Funkhouser
 Michael Harwood Barbara Doll
 Barbara Mulkey

Additional Distribution: Lawrence Davenport

Welcome

Mr. Harwood welcomed the members to the meeting at 2:10 p.m.

1. Minutes

The minutes of the March 25, 2009 meeting were approved as written.

10. New Projects:

Schaub Retail Facility – #100

Site Location: Central Campus

Architect: Cherry Huffman Architects

Designer Representative: Louis Cherry

- The Schaub Retail Facility site is at the eastern end of the parking lot along Sullivan Drive on Central Campus. The existing Schaub Hall building is to the east, and Rocky Branch is to the south.
- The building will be two floors, dedicated to the retail sale of the dairy products being processed in Schaub Hall. Offices and a training room are on the second floor. In addition to interior seating areas, there is an exterior dining area. The project includes a pedestrian connection across Rocky Branch.
- The exterior skin is made of zinc metal panels and glass curtain wall. The building will act as a beacon at night.
- The building will be designed to LEED Silver standards, but not certified.

Comments:

The Panel was concerned about the location of the pedestrian bridge, and how to articulate the sustainable features of the facility. The Panel requested a more festive atmosphere for the facility and was interested in expanding the material palette.

Action:

The Panel recommended a larger study to determine the precise location of the pedestrian bridge. The landscaping plan should contemplate ways to save and re-use rain water. The Panel requested more visibility for activities inside the building and to incorporate brick into the exterior elevations.

Cates Avenue Co-Generation Plant – #099

Site Location: Central Campus

Architect: Sebesta Bloomberg

Designer Representative: Drew Bjorklund

- The Cates Avenue Co-Generation Plant is actually two facilities – the Cates Plant on Cates Avenue on Central Campus and the Yarbrough Steam plant located on North Campus. The 60 year old boilers in Yarbrough will be replaced. The steam wing of the Cates Plant will be demolished and replaced with new equipment.
- The project scope for the Cates Plant includes providing a contextual container for the mechanical equipment. Brick will be used around the lower section of the addition to match the previous addition. The generator will be moved from the exterior to the interior of the building. The project will be certified at LEED Silver.
- The Yarbrough scope will include creating a large opening on the south side of the building to remove the existing boilers and install the new equipment. The existing windows will be re-glazed and the brick tuck pointed.

Comments:

The Panel was concerned about how the south elevation of the Yarbrough Plant would be patched. The noise levels at the Cates Plant were a concern, as were the plans for sustainable features.

Action:

The Panel requested a southern elevation of the Yarbrough Plant, a sound mitigation plan for the Cates Plant, and updated sustainability plans.

3. Update Projects:

Student Health Center Addition – #099

Site Location: Central Campus

Architect: BBH Design

Designer Representative: Douglas Hall

- The Student Health Center addition is located to the south of the existing Student Health Center. The parking lot grades will be adjusted to reduce the grade level change into the building, which will improve the drop-off activity. The asphalt will be recycled.

- A new courtyard is being created by the placement of the addition. A cistern will collect rainwater to irrigate the courtyard.
- The project will touch all areas of the building and will be renovated while the building is occupied.

Comments:

The Panel was concerned about the amount of heat in the parking lot and the opportunity to utilize sustainable practices in the parking lot.

Action:

The Panel directed the use of more large shade trees to counter the heat island effect in the parking lot. They requested the design team investigate using pervious pavement in the parking lot.

4. Next Meeting:

The next Panel meeting is scheduled for May 27, 2009.

The meeting adjourned at 4:12 p.m.

CAMPUS DESIGN REVIEW
March 25, 2009
Primrose Hall Conference Room

ATTENDEES: Gene Bressler Lawrence Davenport
 Timothy Luckadoo David Horning
 Samuel Collier Kevin MacNaughton
 Michael Harwood

Additional Distribution: Robin Abrams, Barbara Doll, Lisa Johnson, Barbara Mulkey, and Edward Funkhouser

Welcome

Mr. Harwood welcomed the members to the meeting at 2:05 p.m.

2. Minutes

The minutes of the January 28, 2009 meeting were approved as written.

11. New Projects:

James B. Hunt Jr. Library – #097

Site Location: Centennial Campus

Architect: Pearce, Brinkley, Cease + Lee

Designer Representative: Clymer Cease

- The James B. Hunt Jr. site is at the southern end of the Oval on Centennial Campus. The existing Corporate Research Center building is to the west, and the future Town Center is to the south.
- The building will be 205,000gsf, with five floors and a state-of-the-art book storage system called an Automatic Retrieval System (ARS). Occupants are the NCSU Libraries, the Institute for Emerging Issues, public spaces, and space for the humanities. The loading dock and service areas are to the south, and a future expansion site has been identified to the east of the site.
- The exterior skin is made of undulating white metal panels that will change appearance in different lighting conditions.
- The building will be LEED Silver certified. A master grading study has been completed that identified the storm water concepts for the Oval. It recommended a series of storm water features in the Oval, as well as a cistern at the low point of the site.
- A large plaza and lawn is located at the eastern, or Oval, entrance. A pedestrian dominated plaza is located at the western, or lower, entrance.

Comments:

The Panel was concerned about the visibility of the western, or lower, entrance. Without a grading plan, it was difficult to evaluate the landscaping and storm water systems. It was suggested that the site function as a machine to weave together all of the exterior systems.

The Panel was concerned about the durability and appearance of the exterior materials. They also wanted to know how bicycles would be welcomed on the site.

Action:

The Panel recommended a direct connection from the lower level courtyard to the western entrance, inclusion of a grading plan with storm water information, and samples of the exterior materials. The panel wanted to know where bike racks were to be located.

Student Health Center Addition – #099

Site Location: Central Campus

Architect: BBH Design

Designer Representative: Douglas Hall

- The Student Health Center addition is located to the south of the existing Student health center. The parking lot grades will be adjusted to reduce the grade level change into the building, thereby improving access to the new entrances. A new courtyard is being created by the placement of the addition.
- The project scope includes a 20,000gsf addition on two floors, with approximately 20,000nsf of renovation to the existing building. The Urgent Care Clinic will be relocated to allow for the creation of two new medical clinics.
- The exterior materials are brick and glass curtain wall system. The new windows on the lower level will match the existing windows.
- The building will be LEED Silver certified. Rain water will be harvested from the roof so no irrigation will be required for the new plantings. A rain garden will be included in the new courtyard.

Comments:

The Panel was concerned about the lack of a landscaping plan, as well the storm water strategy for the site. The future location of the building transformer and emergency generator was unclear. The panel wanted to know what the curtain wall materials looked like.

Action:

The Panel requested more information about the storm water BMP's and a landscape plan with the next submittal. They directed the design team to locate the future emergency generator and electrical transformed on the site plan. The Panel would like samples of the exterior materials with the next submittal.

Facilities Operations Support Space – #097

Site Location: Central Campus

Architect: Davis Kane Architects

Designer Representative: Kevin Kane

- The Facilities Operations Support Space is located on the Sullivan Drive service center site. Two existing buildings will be renovated, and then connected by a new structure. The total square footage of improvements is approximately 15,000gsf, including new and renovated space..
- The project scope includes approximately 20,000gsf of covered storage – new and renovated structures. The waste transfer station has been abandoned and will be removed as part of this project.
- There is a steep slope across the site. The existing gravel parking area will be transformed into a new courtyard for the benefit of the employees.
- The exterior materials are brick and metal wall panels. The new windows will match the existing windows.
- The building will be LEED Silver certified. Rain water will be harvested from the roof so no irrigation will be required for the new plantings. Recycled materials will be used in the construction, a solar hot water storage system and daylighting controls will be implemented.

Comments:

The Panel was concerned about the lack of a landscaping plan, and had questions about the storm water strategy for the site. The panel wanted to know what the landscape features were.

Action:

The Panel requested samples of the proposed materials and a landscape plan with the next submission.

5. Update Projects:

Alliance Center – #095

Site Location: Centennial Campus

Developer: Craig Davis Properties / Architect: Jenkins-Peer Architects

Developer Representative: Craig Davis

- The Alliance Center site location is next to the Venture Center at the corner of Main Campus Drive and Varsity Drive on Centennial Campus.
- The plans include a 125,000gsf building on five floors with a parking deck of approximately 450 parking spaces located at the back of the building.
- The building design is in transition, in response to the demands of the potential tenants.

- The project includes a retail building with space for foodservice and a bookstore. The two story building will contain approximately 12, 000gsf.
- The project will restore the stream and create new wetlands to improve the storm water treatment on the site. The project will strive for LEED Silver and has incorporated many sustainable features.
- The economy has caused the lenders to be more stringent about these types of projects, so the construction schedule will be dictated by the pre-leasing activity.

Comments:

The Panel was concerned about the elevations of both buildings and wanted to know more about the features of the retail building. They discussed the storm water management strategies and how the Neuse River Buffers were accommodated. The Panel was interested in preserving a corridor for the future People Mover system.

Action:

The Panel requested copies of the updated images mentioned in the presentation. They also requested a site section, a palette of materials, and the storm water management plan. The Panel recommended the Retail Building be included in the next submission.

Winslow Hall Window Replacement – #083A

Site Location: North Campus

Architect: Roughton Nicholson DeLuca

Designer Representative: Charles Nicholson

- Winslow Hall is located on Pullen Road, adjacent to Holladay Hall.
- The renovation project has been previously approved by the Panel on July 25, 2007.
- The project scope is the replacement of all existing windows with new aluminum windows. The existing wood bow window on the west elevation will be restored.
- Muntins will be applied to the interior and exterior of the window to mimic the existing wood profile.

Comments:

The Panel was concerned about the performance of the glass units over time.

Action:

The Panel recommended obtaining adequate warranty against clouding of the glass units.

6. Next Meeting:

The next Panel meeting is scheduled for May 27, 2009.

The meeting adjourned at 4:45 p.m.

CAMPUS DESIGN REVIEW
January 28, 2009
Primrose Hall Conference Room

ATTENDEES: Gene Bressler Lisa Johnson
 Timothy Luckadoo David Horning
 Barbara Doll Kevin MacNaughton
 Michael Harwood Barbara Mulkey

Additional Distribution: Robin Abrams, Samuel Collier, Lawrence Davenport and Edward Funkhouser

Welcome

Mr. Harwood welcomed the members to the meeting at 2:05 p.m.

3. Minutes

The minutes of the November 20, 2008 meeting were approved as written.

12. New Project:

Centennial Flexible Research Lab – #094

Site Location: Centennial Campus

Developer: Keystone Corporation / Architect: HagerSmith Design

Developer Representative: Reid Tyler

- The Flexible Research Lab site is next to the Wildlife Resources Commission Building at the corner of Main Campus Drive and Varsity Drive on Centennial Campus.
- There are extreme grade changes at this location from Main Campus Drive, and around the corner to Varsity Drive. There is a loading dock on the north side of the site, a parking deck on the west side of the site and electrical power lines and substation to the northwest.
- Site plans include a 72,000sf building on three floors with a parking deck of approximately 175 parking spaces located at the back of the building. The lowest level is a partial floor, high bay space to take up grade and accommodate the special requirements for a university program – the FREEDM Center.
- The building can attain LEED silver status. The FREEDM Center will generate up to 100,000 KW of power, which could be as much as 1/3 of the building’s power needs. Wind turbines and solar panels doubling as roof screens are some of the technologies being pursued by the project team.
- Storm water management plans called for BMPs on the east and west sides of the buildings. In addition, the university has undertaken the first steps to relocate the

existing 30” RCP pipe. The design team will specify native and drought tolerant plants, requiring only minimal irrigation system.

Comments:

The Panel requested the design team consider using cisterns to capture water for the irrigations system. They also would like a grading plan that helped explain how the storm water was being routed through the site.

The Panel was concerned about the quality of the courtyard space on the west side of the building. They wanted other options explored to make it a more enjoyable space.

Action:

The Panel recommended review of plans that explore the possibility of cisterns to store storm water; providing information about the grading plan in order to better understand the storm water management plans; and developing courtyard spaces that make it more enjoyable for people.

7. Next Meeting:

The next Panel meeting is scheduled for March 25, 2009.

The meeting adjourned at 3:35 p.m.