



## University of Colorado Design Review Board Meeting Notes

Date: Friday, March 15, 2019  
Time: 8:30 a.m. – 4:00 p.m.  
Location: First Floor Conference Room, 1800 Grant Street, Denver, CO

**DRB members present:** Don Brandes, Sarah Brown, Victor Olgyay, Chris Shears, Mike Winters, Cheri Gerou (ex officio), Bill Haverly, campus DRB member for the University of Colorado Boulder campus (“CU Boulder”), and André Vite, campus DRB member for the University of Colorado Denver campus (“CU Denver”) and the CU Anschutz Medical Campus (“CU Anschutz”).

**Others in attendance not otherwise noted:**

Linda Money, CU Real Estate Services, CU System employee / DRB note taker.

Don Brandes, Chair, determined a quorum and called the meeting of the Design Review Board to order at 8:35 a.m.

**8:30 – 9:30 a.m. Work Session/Lunch – Board Only**

The Board met to briefly to discuss various administrative items and the items on the agenda for this date prior to convening the public portion of the meeting.

**9:30 – 11:00 a.m. Multi-Site Solar Projects – CU Boulder  
Conceptual Design (Action Required)**

Architects:

Hord Coplan Macht, Inc., Denver, Colorado

Presenters:

Jennifer Cordes, AIA, LEEP AP, Principal, CPSO, Hord  
Coplan Macht

Carol Fletcher, Project Manager, Hord Coplan Macht

CU Boulder Campus Presenter:

Richelle Reilly, Facilities Planner/Landscape Architect,  
Facilities Planning

Other CU Boulder Campus Representatives Present:

Tom Goodhew, Assistant Director and Planning Manager,  
Facilities Planning

Bill Haverly, Campus Architect and Director of Planning,  
Design and Construction

**Description:**

Conceptual Design (“CD”) submittal for solar structure to hold PV panels on the Boulder Campus

**A/E Presentation:**

Jennifer Cordes and Carol Fletcher of HCM presented the CD package to the DRB.

In their background information of approach to the design problems associated with this project, they explained:

- currently campus has captured 1.3 MW of power
- goal of this project is to capture an additional 2.7 MW of power for NREL recommended total of 4 MW
- solar design must accommodate varied orientation
- PPA with Ameresco is based on a 25-year agreement
- considerations of design criteria include PV coverage, sun angle studies, heights, screening capacity and drainage
- four structure designs were identified as viable options with one preferred:
  - monolith
  - butterfly – preferred design
  - basic
  - curved
- proposed locations were identified for installations:
  - lot 560
  - lot 574, 576 & bus lot
  - lot 548
  - lot 556
- In order to capture maximum financial benefits, project must be underway before end of 2019

**DRB Comments:**

**A. Site & Landscape Architecture:**

- Explore a thoughtful integration of the solar structures into the locations to improve the parking lots

- Contemplate integrating a bio-swale with hydrology and the plant materials in the lots with the intent of making the parking lot a nicer place to be, could provide a destination-like impact
- Celebrate the canopies as part of a “family” or kit of parts – a standalone design approach may be modified for: one aisle package, two aisle package – perhaps a typology for shading a pedestrian path or a small bench (sitting area, bike storage, etc.), integrate lighting with security cameras, even storage or plug-ins for electric vehicles
- Evaluate work on sites identified and characterize for each of the four in view of the site, size, use, user, visual, future circulation, and improvement
- Consider from a programming standpoint – this is the parking lot: it is hidden, it has good utilities, it’s flat, it drains well, it’s going to be easily constructible, or it would be a candidate for future improvements

Factors for consideration in approaching a solution:

- First factor to evaluate is the use and the users (university staff, visitors, ADA users)
- Second factor is the type of structure:
  - Modified butterfly or the monolith or some characterization of the coverage appropriate for the lots (analysis of different structures and their application to the particular location)
  - A study of all four of the sites in comparison of shapes and orientation will be useful in determining the best approach
- The third factor is a study of the landscape that is associated with the structure:
  - Is the site a candidate for landscaping, bio-swales – what is the level of site enhancements that can be applied to this location
  - Also to be considered are the lighting, the safety, the events surrounding the area
- The fourth factor is the capture; looking at the 2019 and the 2.7 MW gap:
  - That gap is becoming achievable with these four or five areas
  - This is where the idea of the energy resiliency comes into play
- The fifth factor is the PPA, the long-term cost benefit analysis, and the urgency of capturing the 30% tax benefit provides the impetus to move the project along efficiently and quickly
- Consider this project as part of a family of elements:
  - How does this project become a part of other pieces of the landscape to function and integrate as a cohesive whole such as security technology, wifi which creates a place for people, etc.
  - Integrate sense of place with the lighting and the lamps – it is acknowledged that this is not in the PPA, but it should serve as an opportunity to think beyond the task at hand

**B. Energy and Sustainability:**

- Explore and analyze the slope of the panels in relation to the efficiencies gained to maximize the square footage installation on the lots while still being able to take advantage of bio-swailes and drainage

**DRB Action:**

By consensus, the Board agreed to table Conceptual Design approval until the design team is allowed to evaluate Lot 560 with the discussed level of analysis, level of inquiry, and criteria to evaluate the factors involved and present this is an example of the level of study to be utilized on the four lots.

**11:00 a.m. – 12:00 p.m.**

**UCHealth University of Colorado Hospital – Anschutz Inpatient Pavilion Tower 3 Expansion – *CU Anschutz Medical Campus* Schematic Design for Site and Landscape Architecture (Action Required)**

Architects/Engineers:

Pact Studios, Denver, Colorado, architecture and landscape architecture

Kimley-Horn, Denver, Colorado; landscape architecture

EYP Architecture & Engineering, Denver, Colorado; lead exterior design, programming & planning, standards expert

Affiliated Engineers, Inc., Denver, Colorado; MEP design, low voltage, lighting design

Martin & Martin, Lakewood, Colorado; civil and structural engineering

Presenters:

Chris Hice, PLA, Kimley-Horn

Jeremy Powell, PLA, Landscape Architect, Kimley-Horn

Others Present:

Greg Foster, LEED AP, NCARB, Senior Project Manager, EYP

Chris Barnwell, AIA, Pact Studios

Sheila Elijah-Barnwell, Ph.D., AIA, Pact Studios

CU Anschutz Campus Presenter:

André Vite, AIA, Campus Architect, Office of Institutional Planning, CU Denver/CU Anschutz

Description:

Schematic Design (“SD”) for site and landscape architecture for new UCHealth University of Colorado Hospital expansion project consisting primarily of a new inpatient bed tower and associated amenities to support planned inpatient services growth, tabled from DRB meetings of February 15 and February 22, 2019

**A/E Presentation:**

Chris Hice and Jeremy Powell updated the DRB on the latest version of the project site and landscape architecture.

**DRB Comments:**

**A. Site & Landscape Architecture:**

- Consider curving the planting where exiting the parking garage
- Review the sidewalk control joints and the configuration of planting in the plaza areas to constrict the sidewalk down to 8'-0" – is this necessary?
- Deliberate on the lighting at the crosswalk to align with the path (pedestrian lights)
- Analyze the lighting to ensure there is not too much light – perhaps reduce the number of fixtures?
- Explore a continuation of the brick pavers on the south sidewalk of the circle drive
- Study adding striping in the pedestrian drop off area in front of the entrance at the circular drive
- Continue to work closely with Steve (Hospital groundskeeper) regarding the plant material palette, including what is irrigated and what is not irrigated
- Please provide a detailed planting plan so that the species type and caliper type is noted
- The DRB encourages the design team to contact the University of Colorado School of Landscape Design regarding their sixth floor green roof study of roof gardens at varying depths for the best outcome on this project; an additional resource would be the Botanic Gardens for study of best outcome of the project's green roof
- At Design Development, the DRB will want to see materiality and joinery, the walls, the walks, the steps, the furniture, etc. – the design is great, but there will be an added level of detail expected at DD

**DRB Action:**

Don Brandes moved to approved the Schematic Design for Site and Landscape Architecture submittal for the UC Health University of Colorado – Anschutz Inpatient Pavilion Tower 3 Expansion on the CU Anschutz Medical Campus. Mike Winters seconded the motion which unanimously passed.

**3:00 - 3:30 p.m.**

**Parking Lot Reconfiguration - CU South Denver  
Schematic Design (Action Required)**

Architects:

S.A. Miro, Inc., Denver, Colorado, structural and civil  
engineering consultant

Oxbow Design Collaborative, Denver, Colorado, landscape  
architecture consultant

Presenters:

Megan Vogt, S.A. Miro

John Young, Oxbow Design Collective

Others Present:

Richard Sheehan, Director of Finance and Administration,  
CU South Denver

Lauren, Student Assistant for Sharon Anthony, CU Building  
Projects Office

CU Denver Campus Presenter:

Cary Weatherford, Office of Institutional Planning,  
CU Denver Campus

Description:

Schematic Design ("SD") submittal regarding restriping and  
potential landscape changes to existing parking lot to increase  
number of spaces in order to address parking capacity issues

**A/E Presentation:**

Cary Weatherford provided a brief introduction of the project to the DRB. Megan Vogt and John Young presented the SD package.

**DRB Comments:**

The DRB supports the proposed preferred option presented.

**DRB Action:**

Don Brandes moved to approve the Schematic Design package for the CU South Denver Parking Lot Reconfiguration project. Victor Olgay seconded the motion which unanimously passed.

Upon the conclusion of the public meeting of the Design Review Board, the Board met with Cheri Gerou to discuss additional administrative matters.

There being no further business, the public meeting of the Design Review Board was adjourned at 2:12 p.m.