

# Campus Open Forum





## Chilled Water Plant & Distribution Project

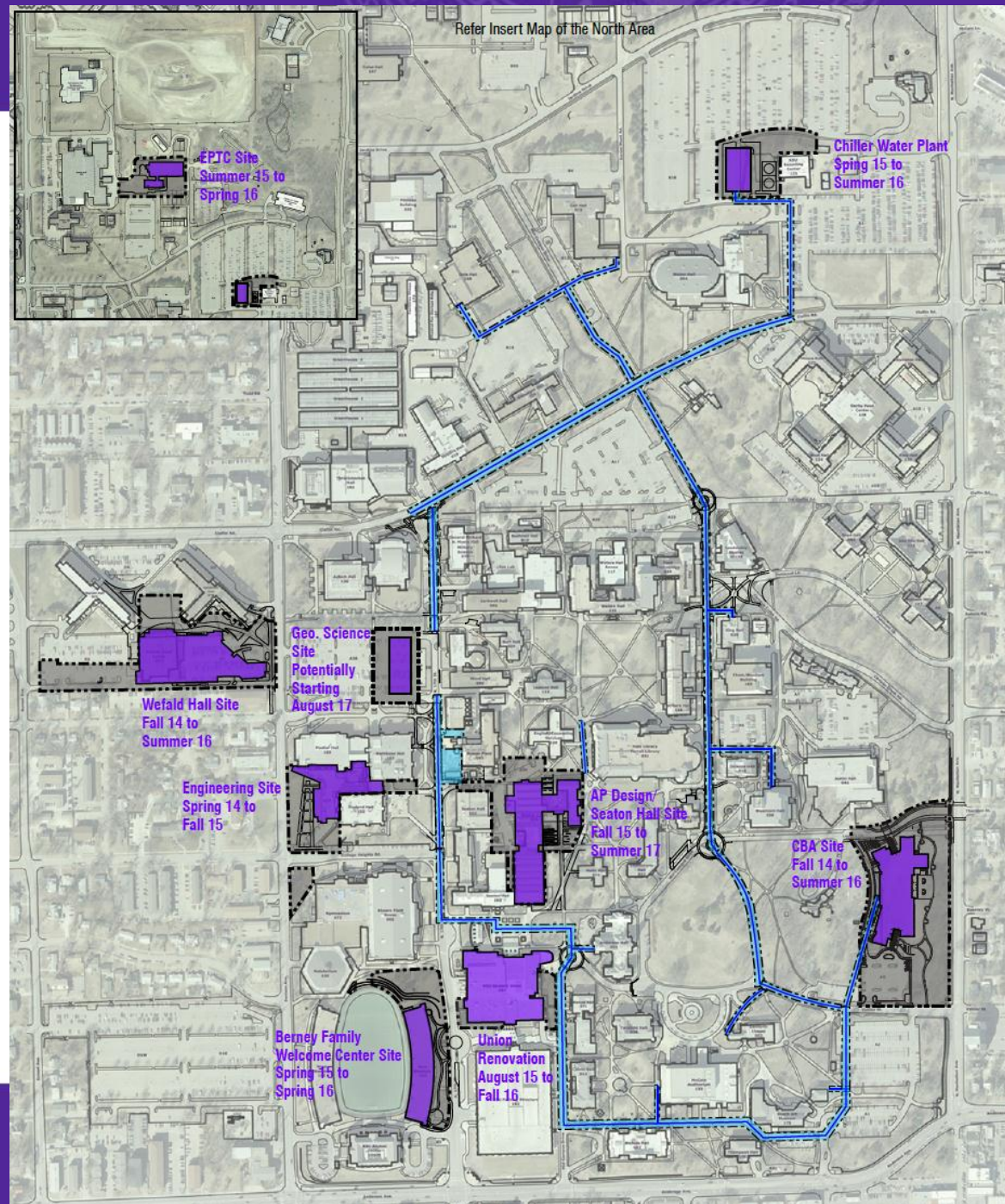
Ryan F. Swanson, AIA, AUA, LEED AP BD+C  
Associate Vice President Facilities & University Architect

## Current & Upcoming Spring 2015 – Fall 2017

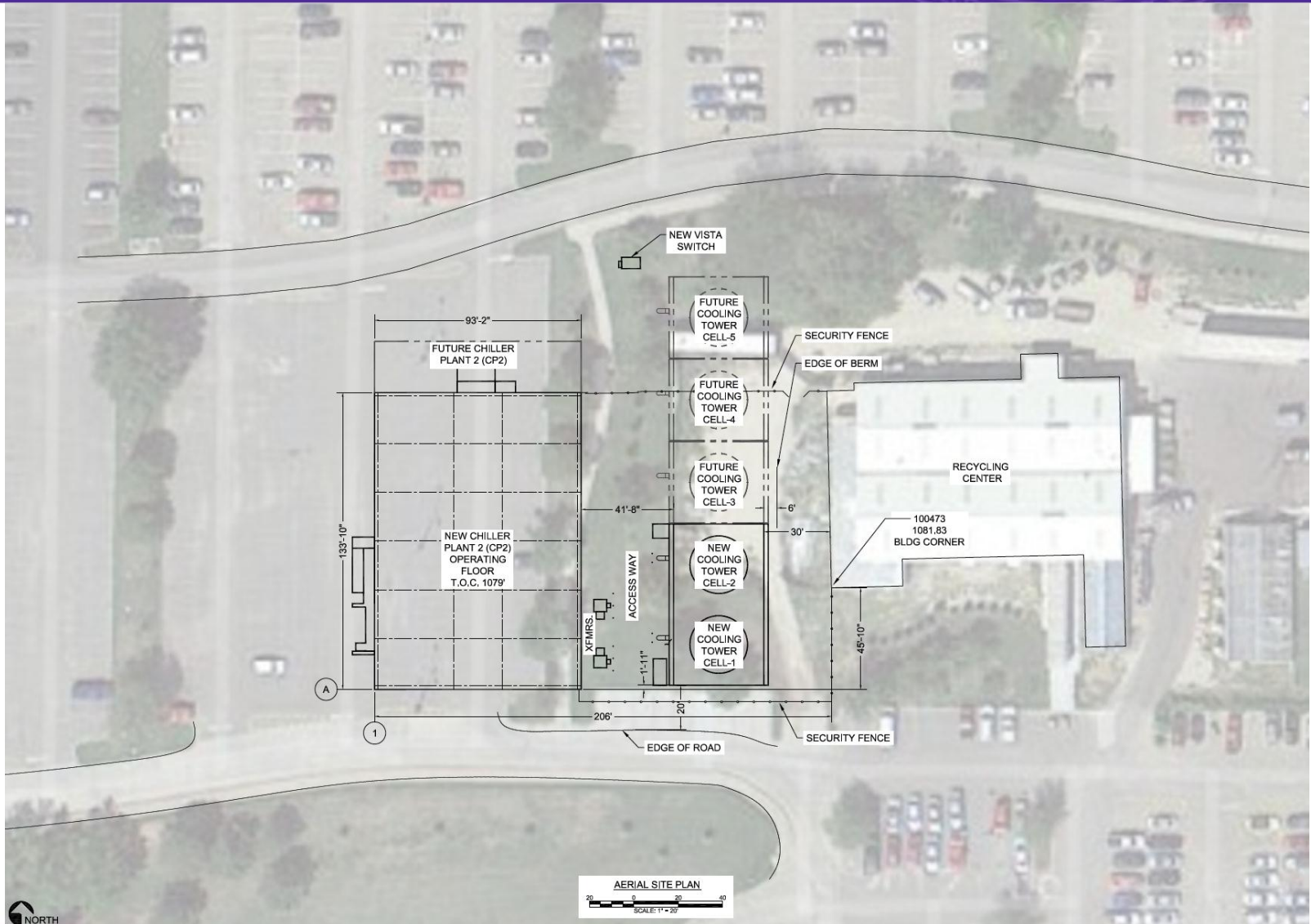
- Engineering IV
- CBA
- Berney Family Welcome Center
- Wefald Hall
- **Chilled Water Plant**
- Union Renovations
- Equine Performance Testing Center
- Seaton Hall - AP Design
- Geosciences

### LEGEND

-  Building Construction Site
-  Construction Building
-  Chilled Water Distribution Construction Site
-  Chilled Water Distribution

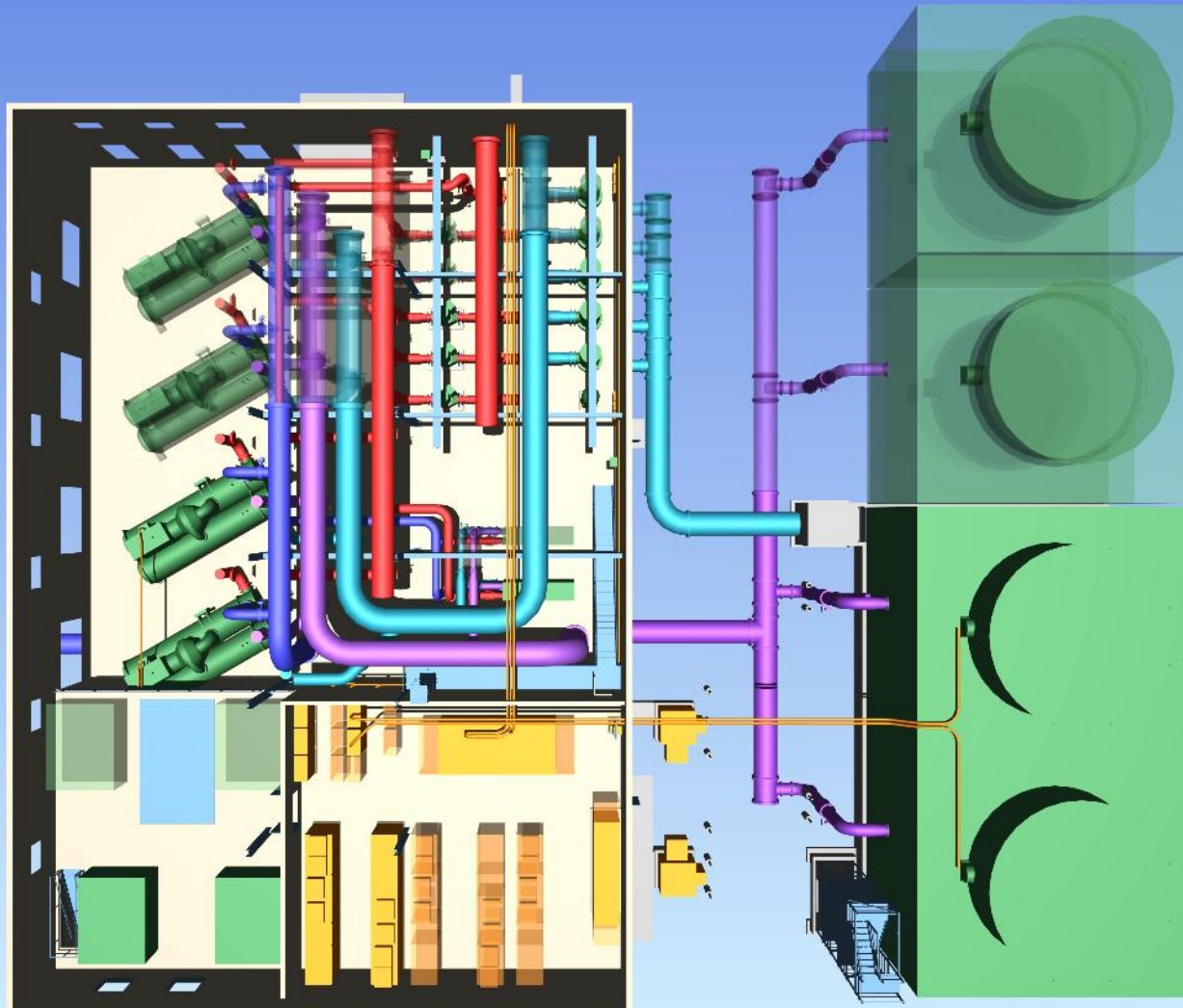


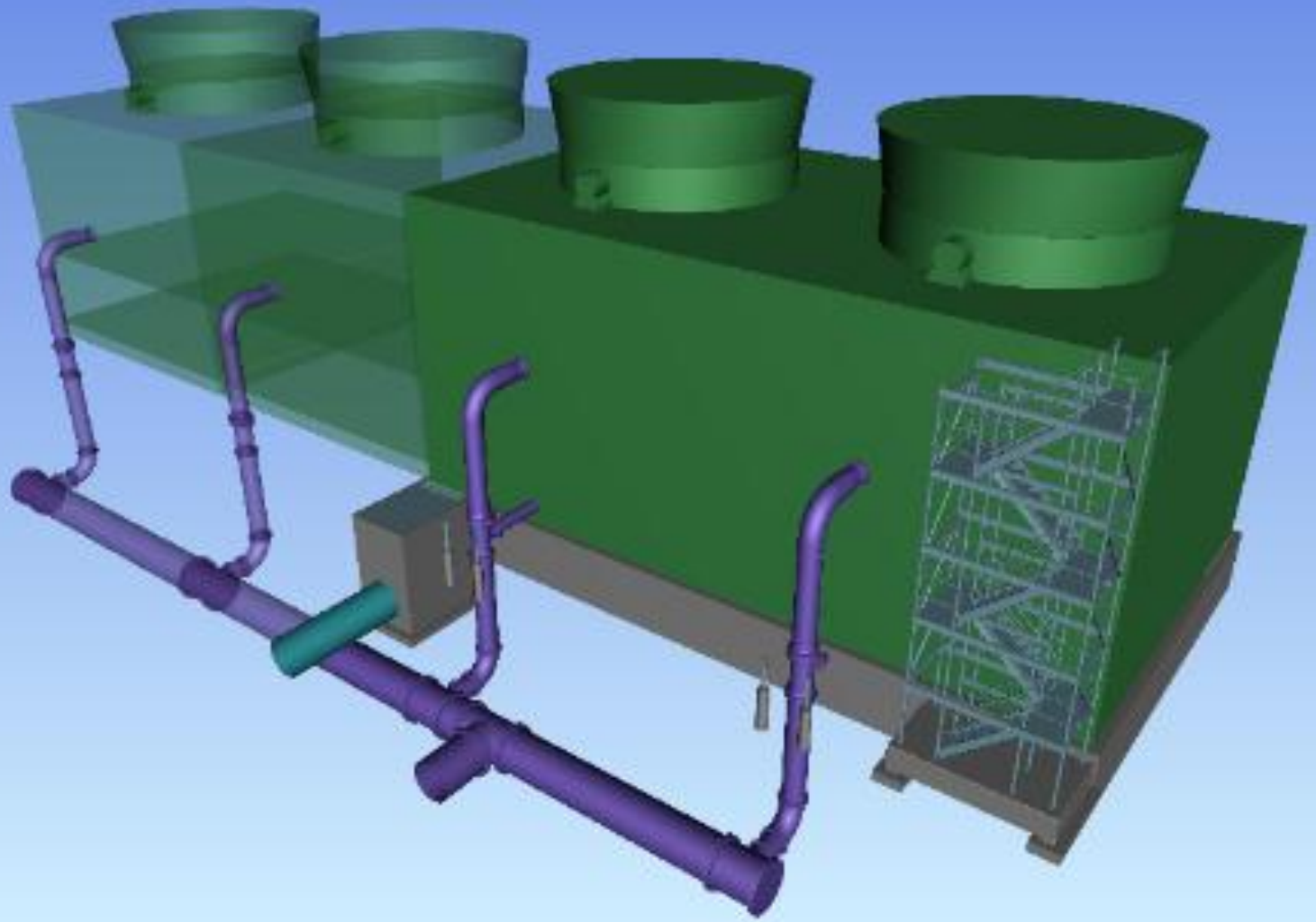
# Chilled Water Plant - Building Site



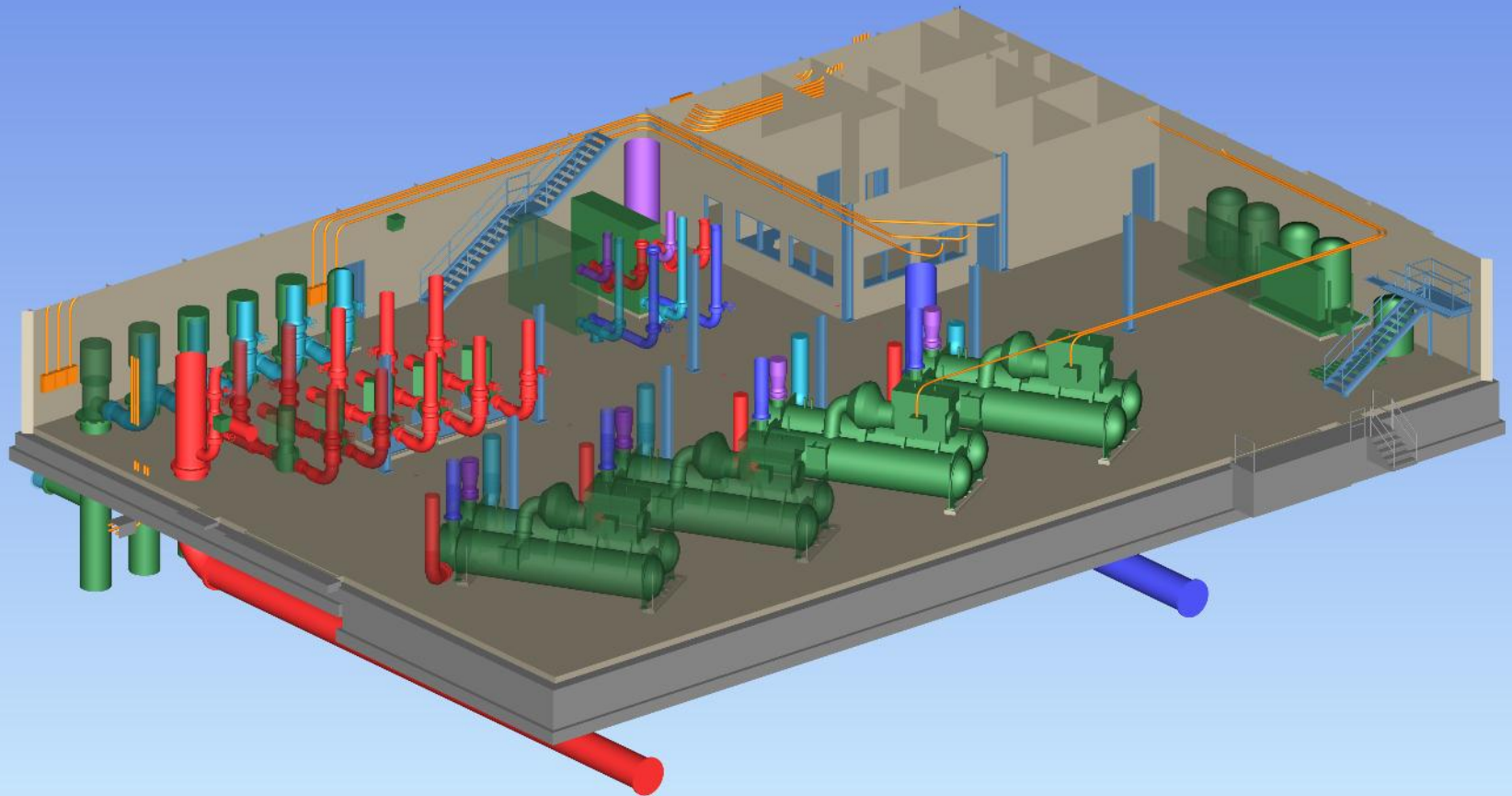


# Chilled Water Plant - Building Site

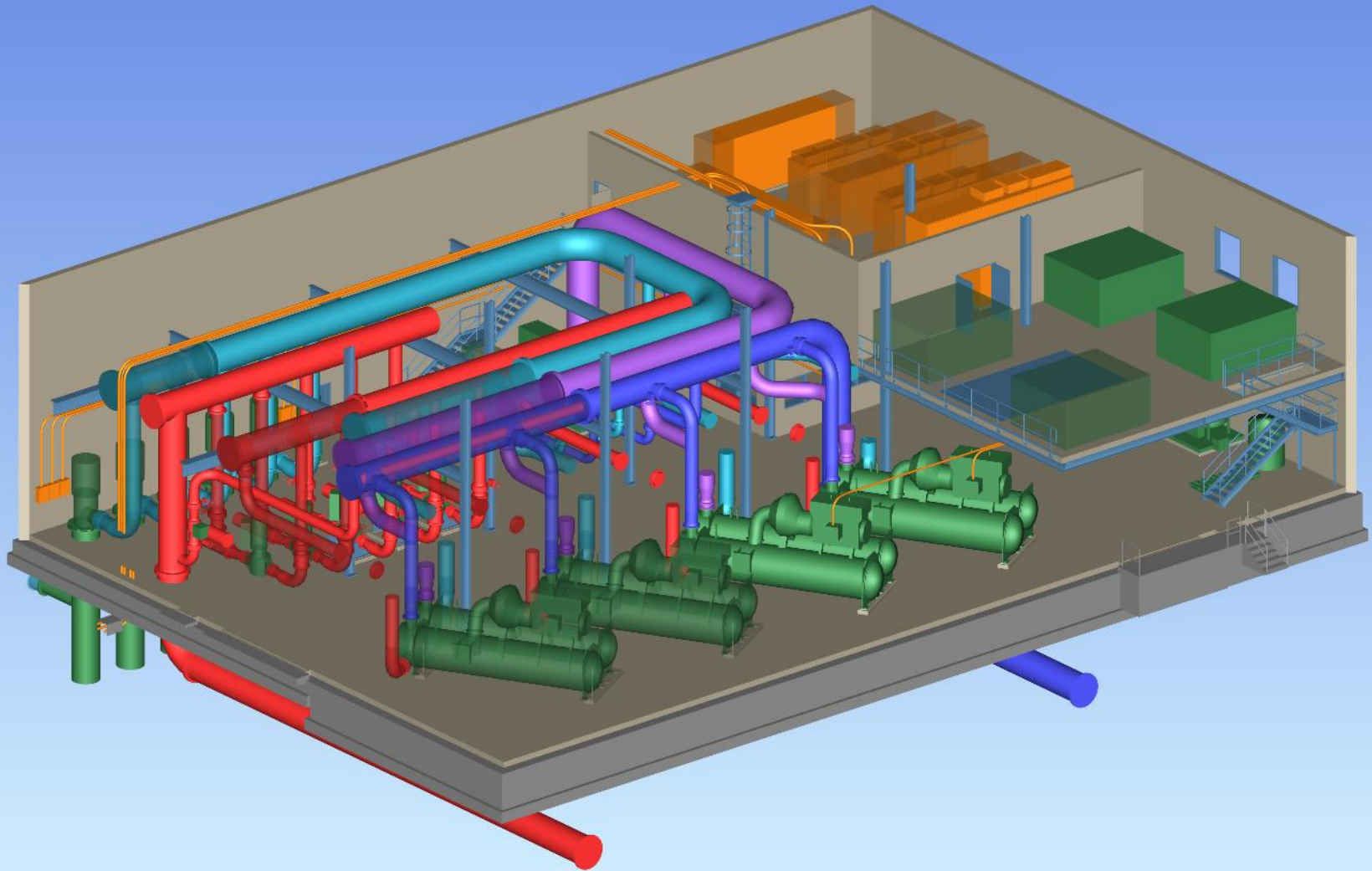




# Chilled Water Plant - Chillers and Control Room



# Chilled Water Plant – Electrical Gear Mezzanine





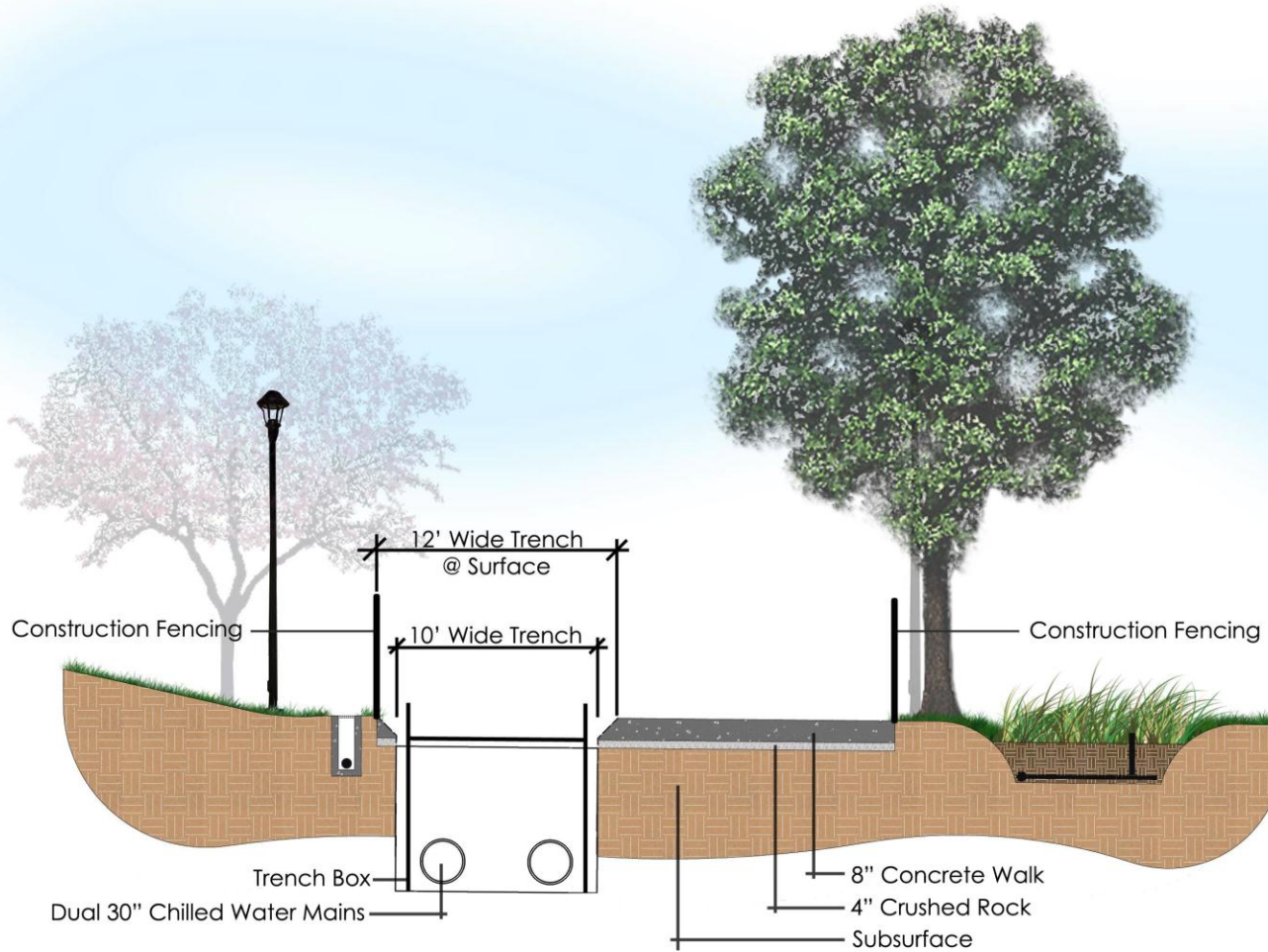
# Chilled Water Plant Distribution



# Chilled Water Plant Distribution



# Chilled Water Distribution - Trench Section



**SECTION LOOKING NORTH DOWN MID CAMPUS DRIVE**

## Construction Activities





ADA Parking Relocations

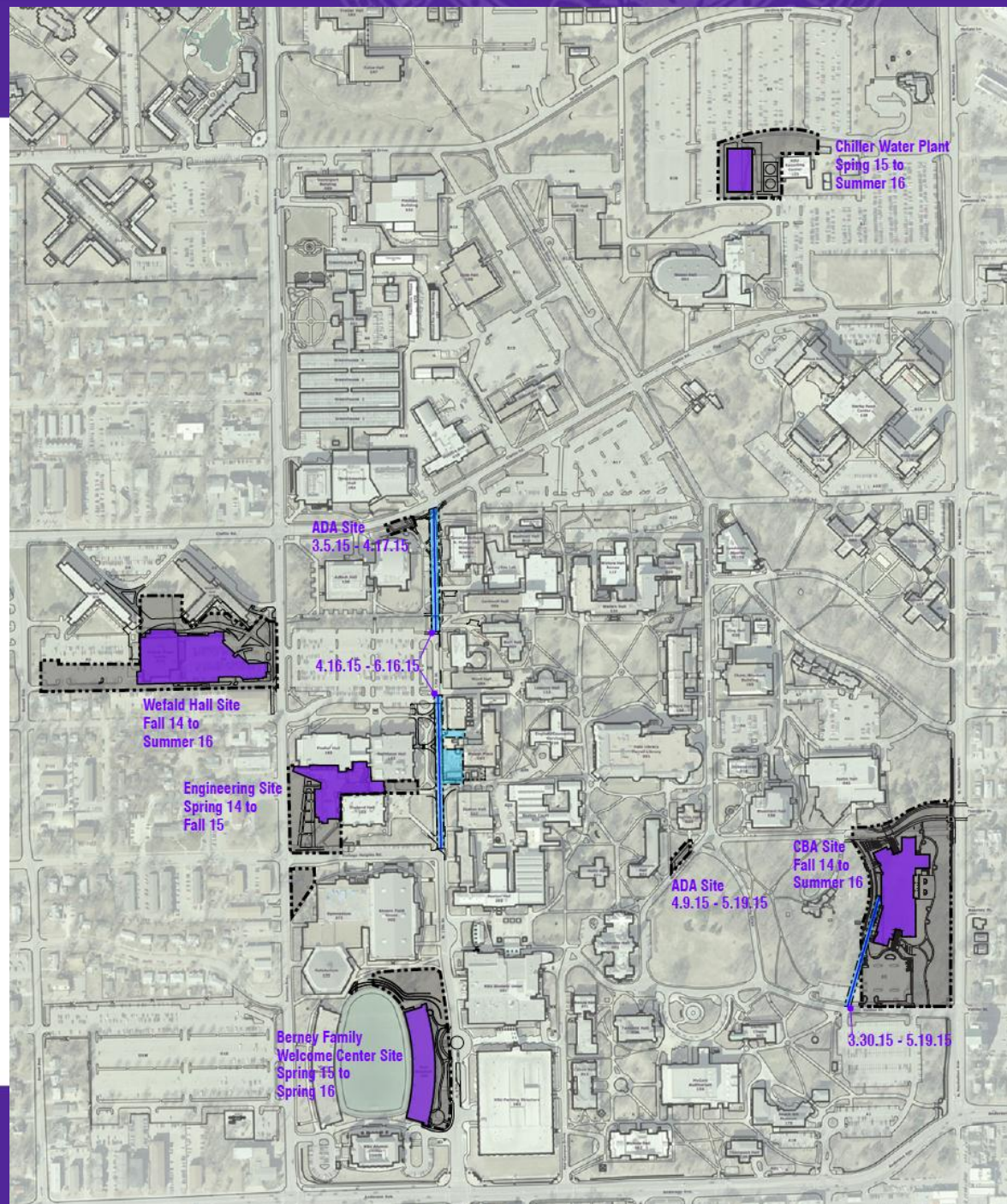
17<sup>th</sup> Street CWD Trench and Pipe Installation Work

Bore Chilled Water Lines to CBA

17<sup>th</sup> Street Hardscape and Landscape continues into summer

### LEGEND

-  Building Construction Site
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## Construction Activities

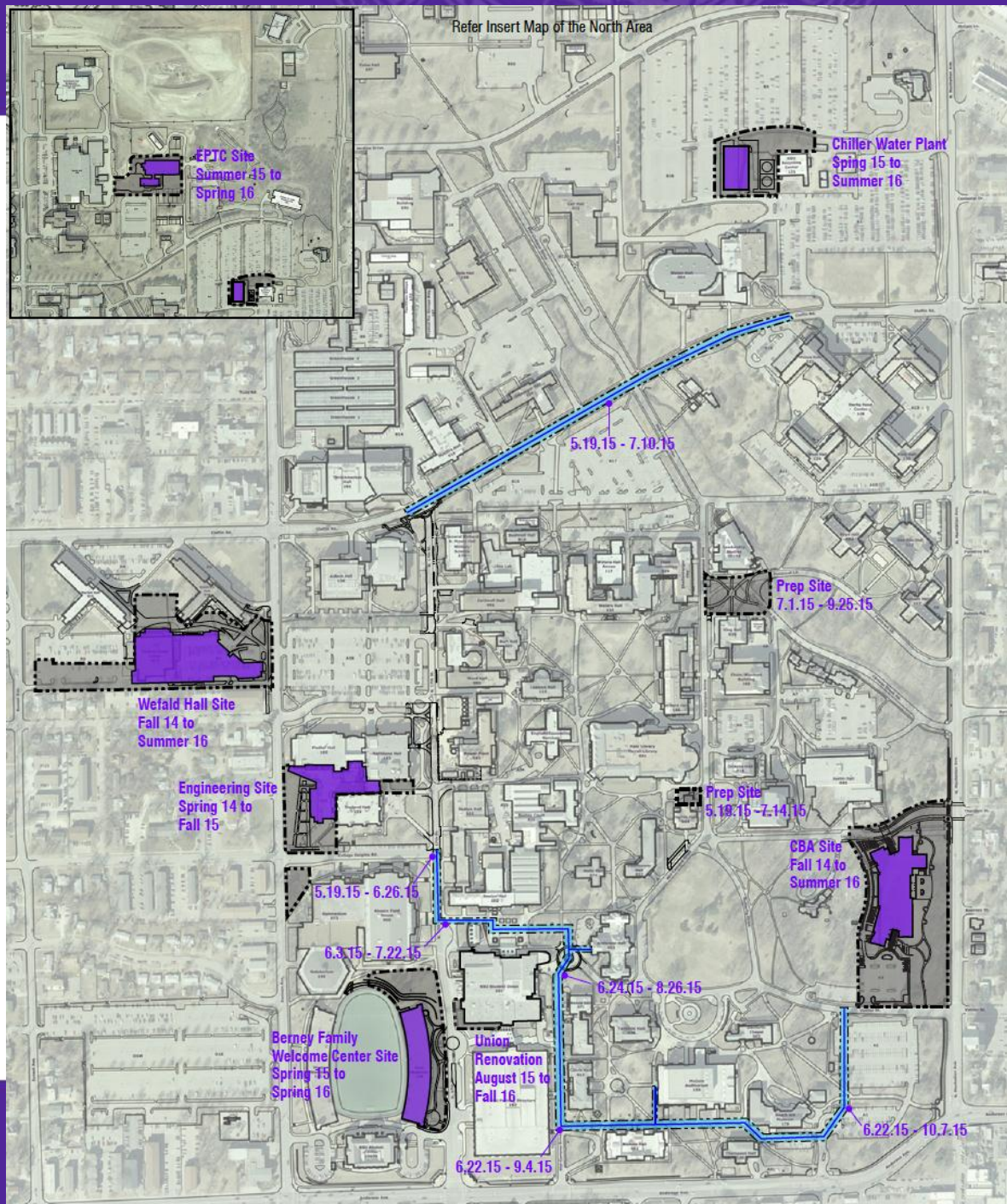
Claflin Road - CWD Trench, Pipe and Road Paving

Mid Campus Site Prep - North of Holton; North King Hall and South Leadership Studies

College Hts. to Vattier - CWD Trench, Pipe, Hardscape and Landscape. Beach area Hardscape and Landscape completes in early Oct

### LEGEND

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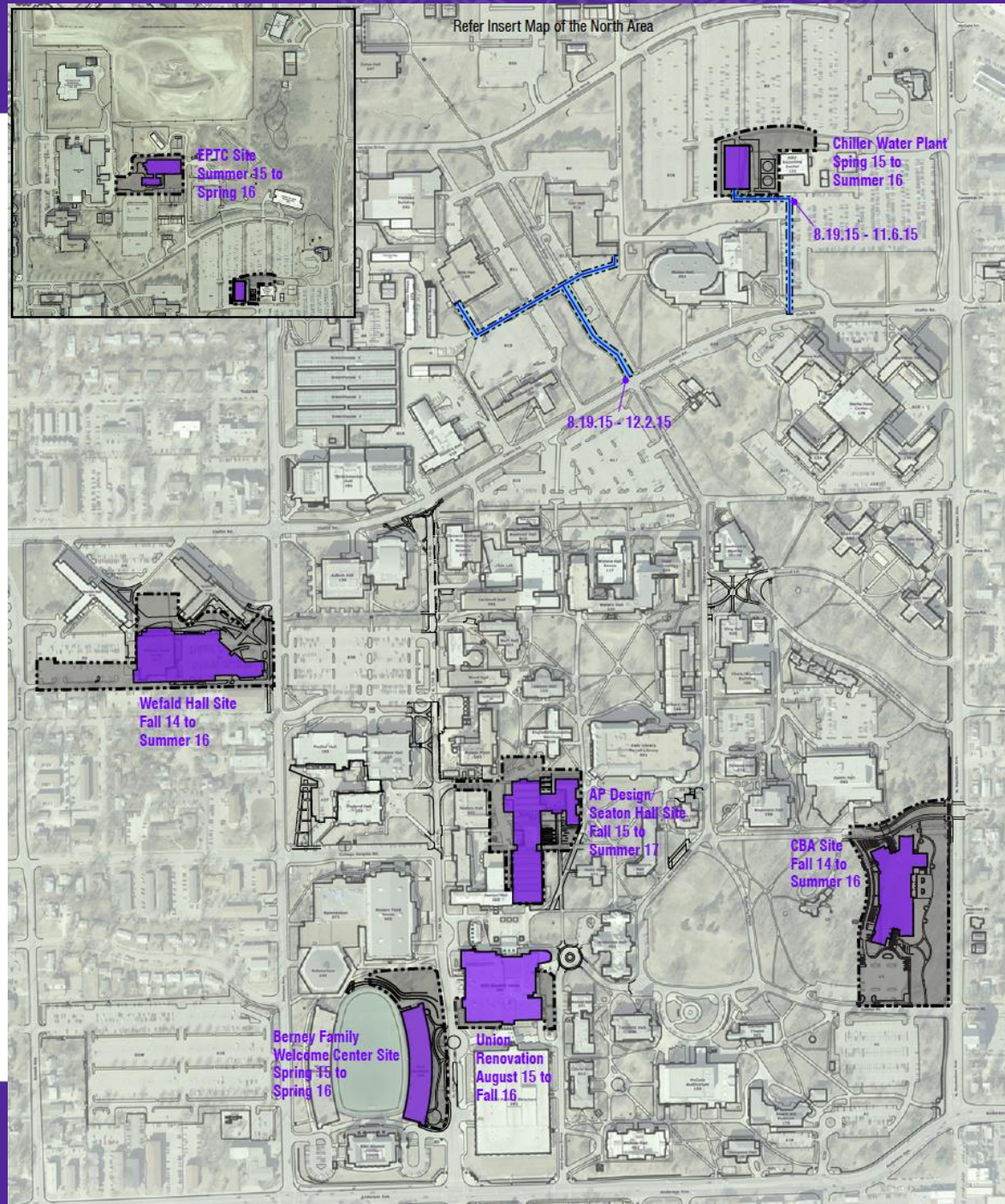
## Construction Activities

Claflin to Dole & Call Halls -  
CWD Trench, Pipe and Road  
Paving

Claflin to New Chiller Plant -  
CWD Trench, Pipe and Road  
Paving

Key Milestone: Chilled Water  
Available to New CBA Building  
From Existing Plant

- LEGEND**
-  Building Construction Site
  -  Construction Building
  -  Chilled Water Distribution Construction Site
  -  Chilled Water Distribution







## Construction Activities

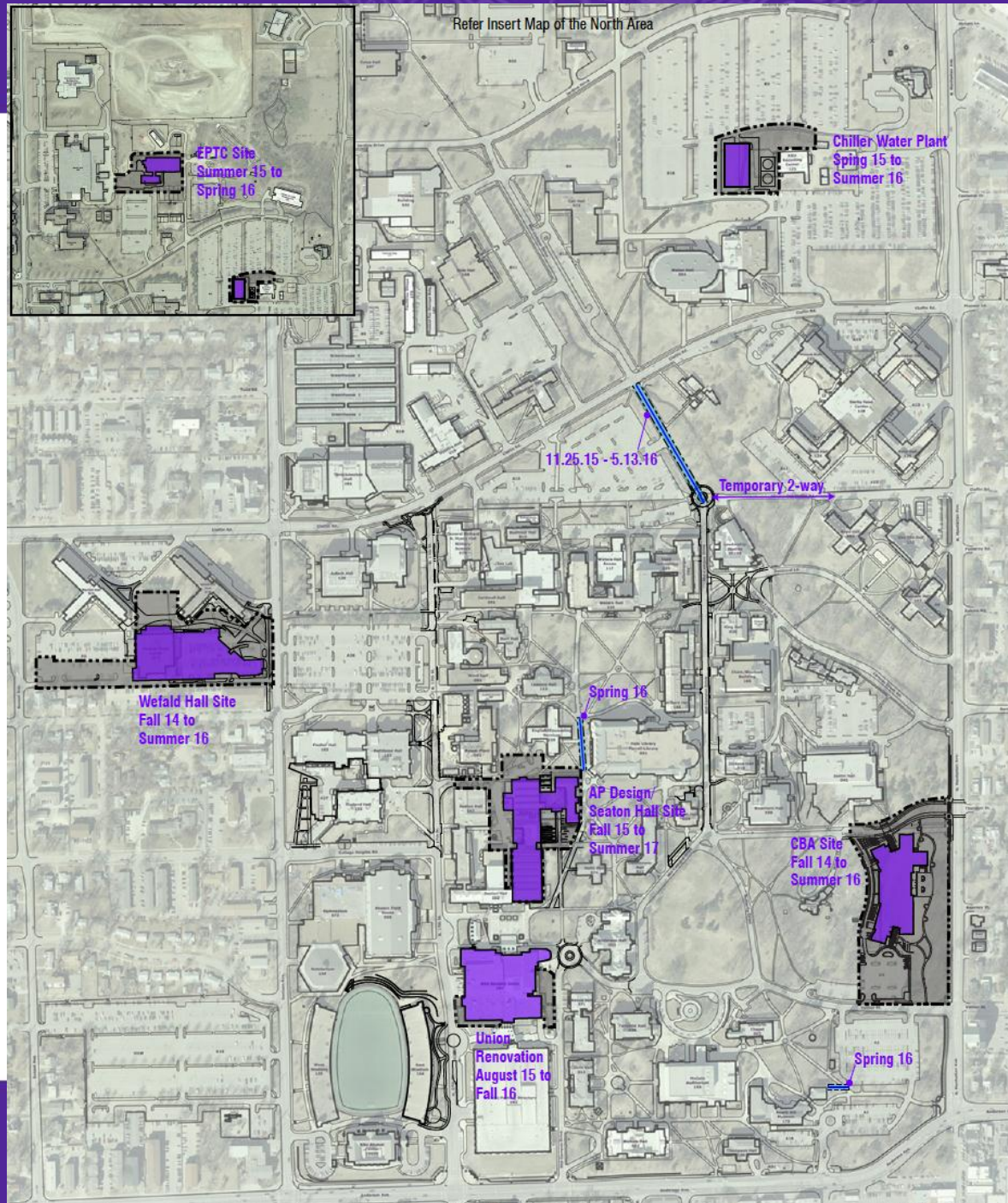
Claflin to Old Claflin - CWD Trench, Pipe and Road Paving

Temporarily open Old Claflin for 2-way traffic

West of Hale Library – CWD Trench, Pipe, Hardscape and Landscape

### LEGEND

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## Construction Activities





Mid Campus – Old Claflin to Lovers Lane - CWD Trench, Pipe, Hardscape and Landscape

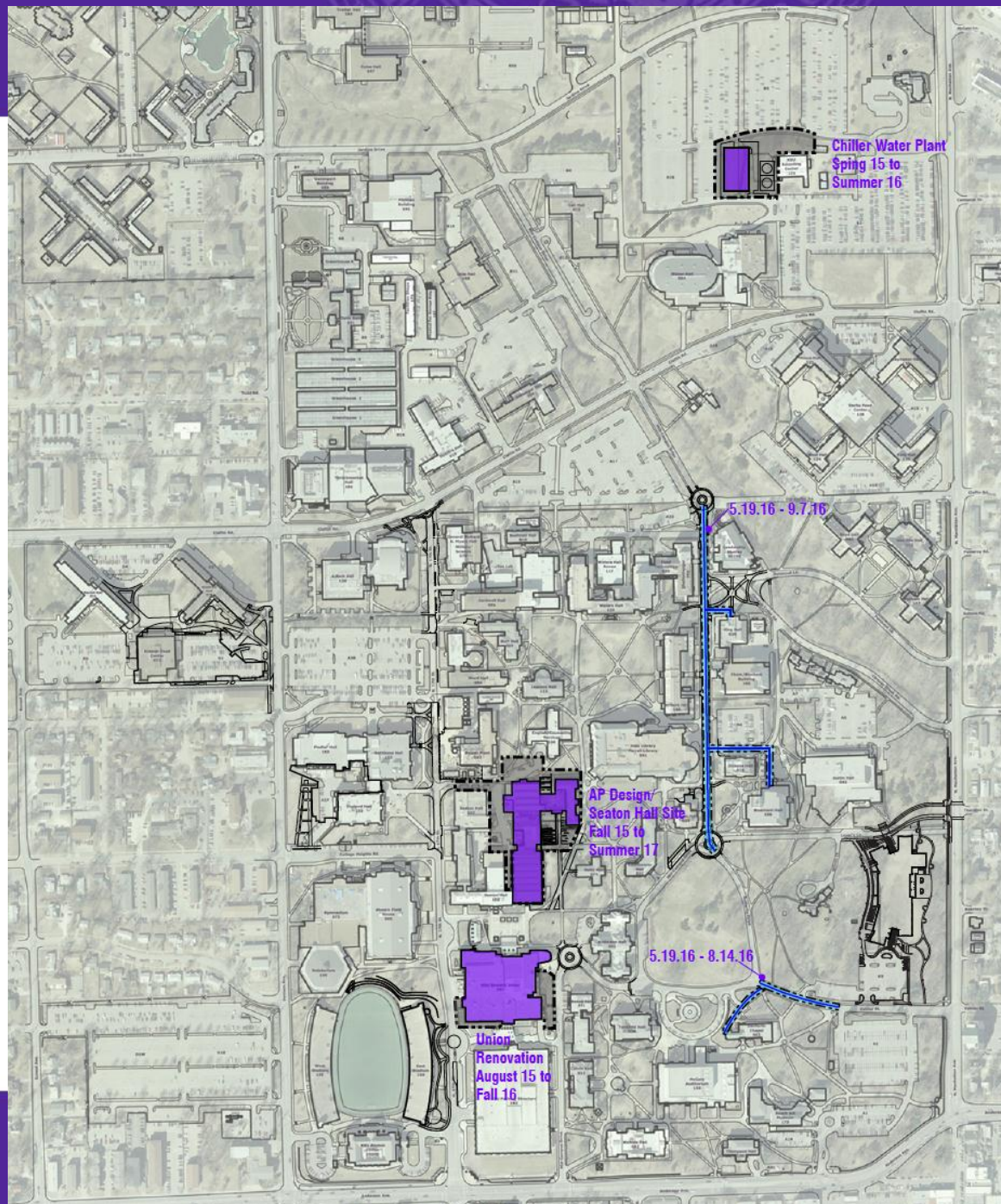
Install 2 Roundabouts  
Mid Campus / Old Claflin  
Mid Campus / Lovers Lane

Vattier - CWD Trench, Pipe, Hardscape and Landscape

Begin Butterfly Lane Trench

### LEGEND

-  Building Construction Site
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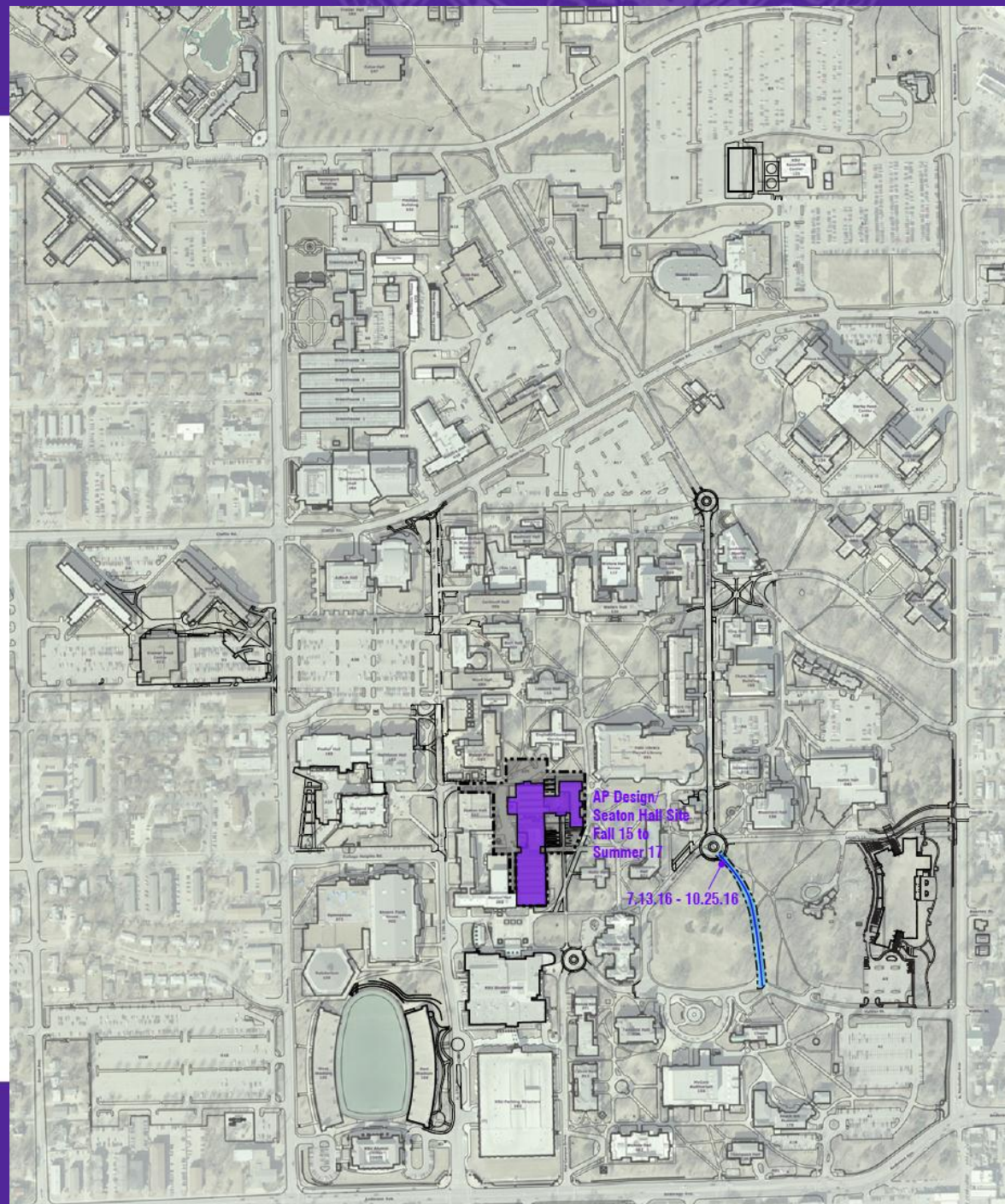
## Construction Activities

Butterfly Lane - CWD Trench,  
Pipe, Hardscape and  
Landscape

Campus Chilled Water Loop  
Fully Complete by Oct 2016

### LEGEND





-  Building Construction Site
-  Construction Building
-  Chilled Water Distribution Construction Site
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# Capital Project Sites at KSU

Tentatively Starting  
Summer/Fall 2017

## LEGEND

-  Building Construction Site
-  Construction Building
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# Chilled Water Distribution – 17<sup>th</sup> Street Rebuild Plan



17TH STREET SITE PLAN

North



CLAFLIN GATEWAY - PLAN

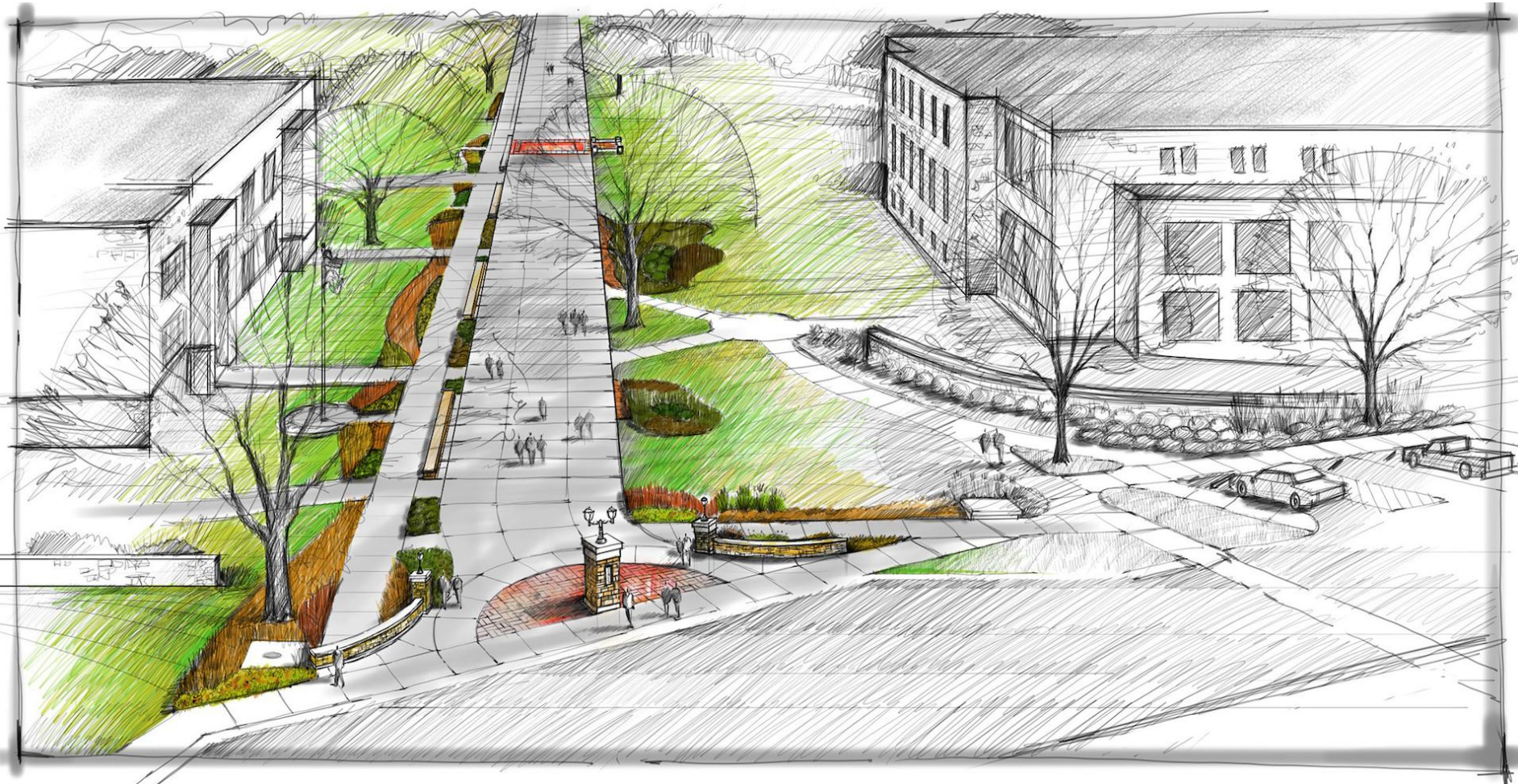
ENHANCED LANDSCAPE BEHIND

CENTER TITLE COLUMN

LIMESTONE WING WALLS

# CLAFLIN GATEWAY

# 17<sup>th</sup> Street Rebuild Plan – Claflin & 17<sup>th</sup> Street Looking South

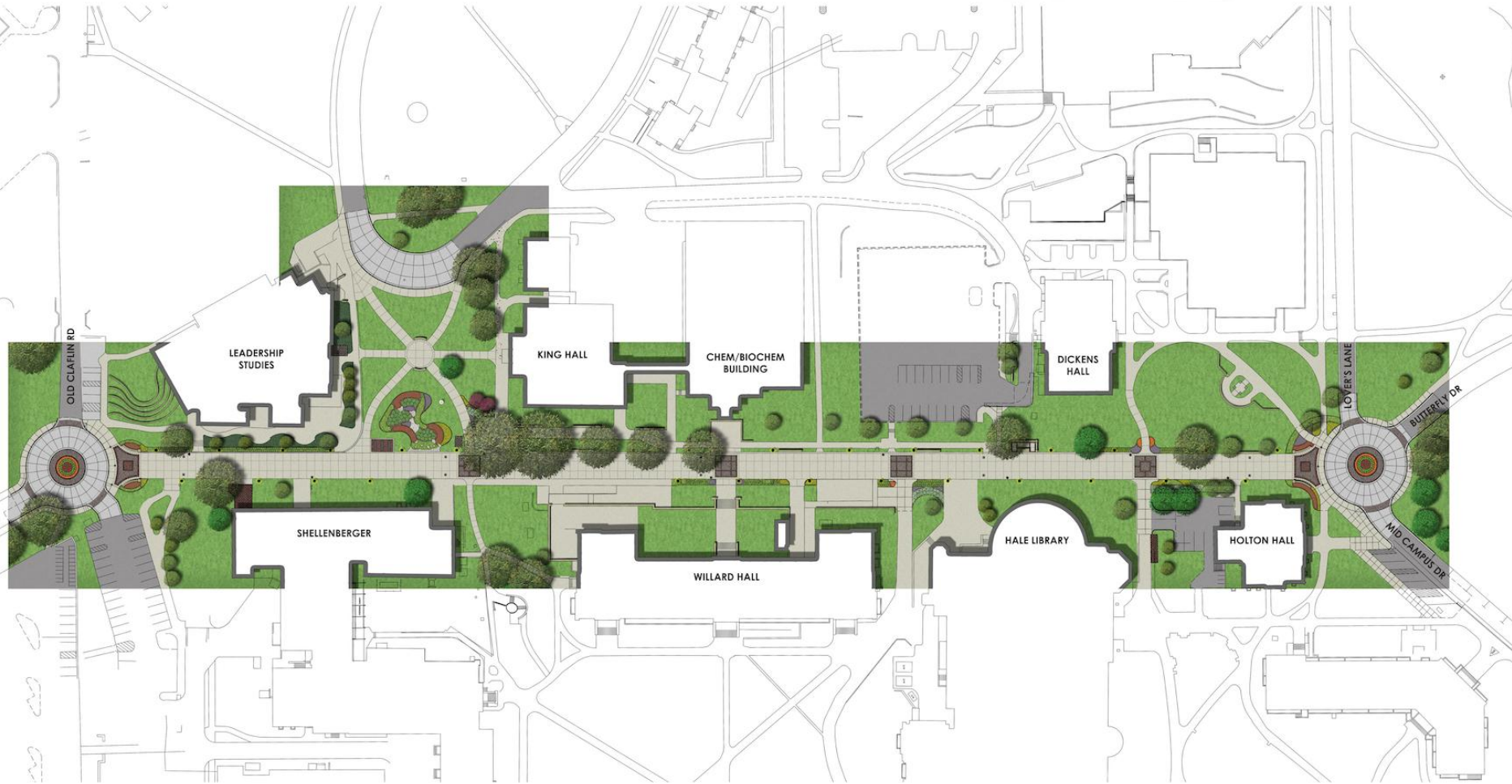


# 17<sup>th</sup> Street Rebuild Plan – Safety Fence At Existing Plant



17th Street/Power Plant - Seat Wall/Fence/Column Sketch - Elevation

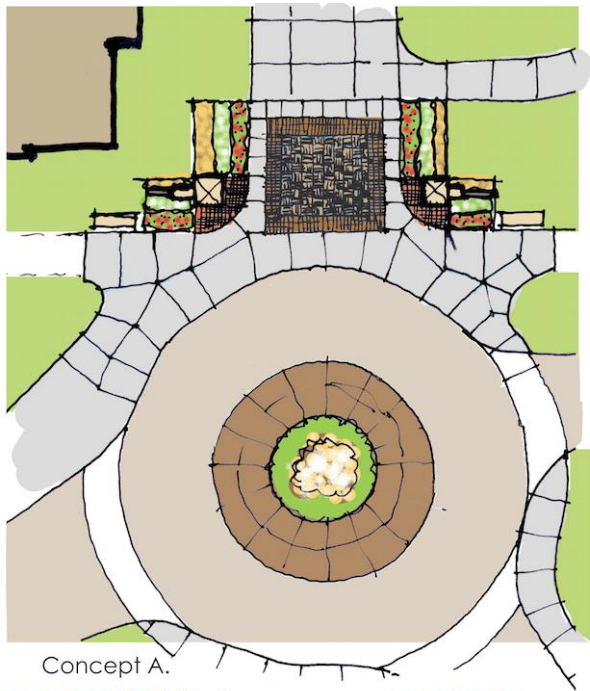
# Chilled Water Distribution – Mid Campus Rebuild



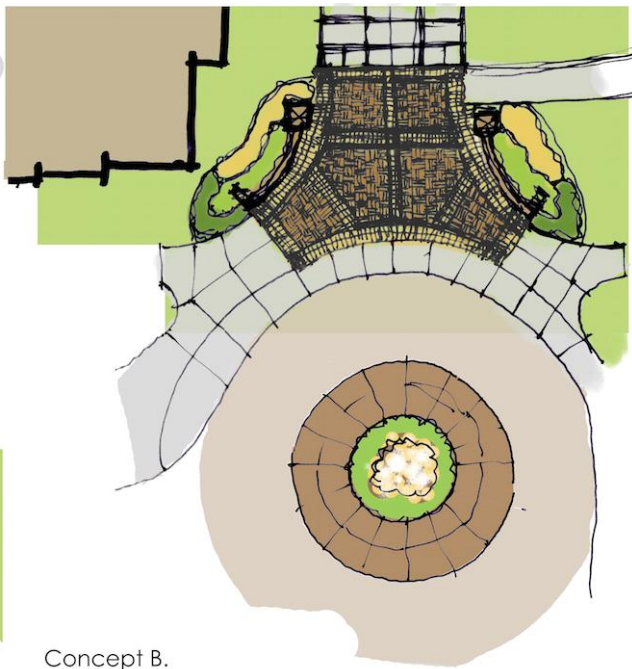
MID CAMPUS DRIVE SITE PLAN



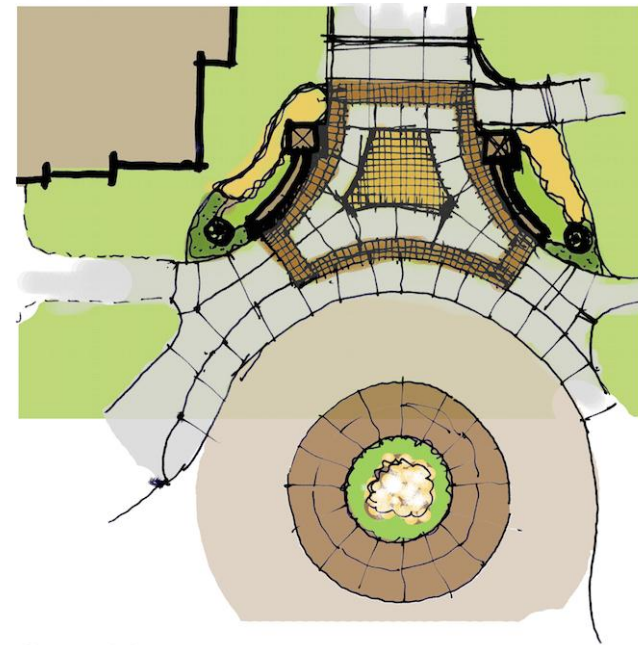
# Chilled Water Distribution – Mid Campus Rebuild



Concept A.



Concept B.



Concept C



Elevation Concept - A

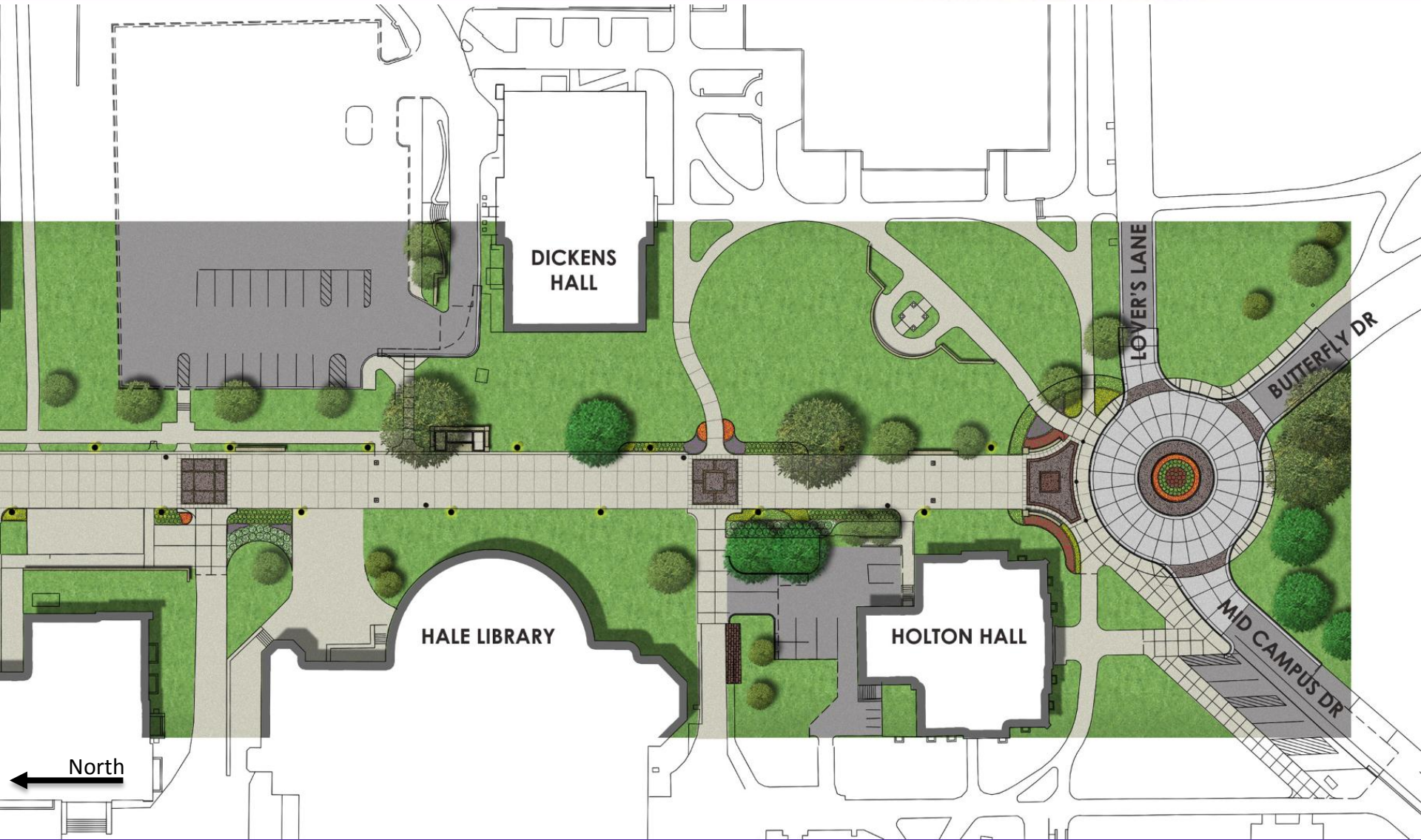


Elevation Concepts - B & C

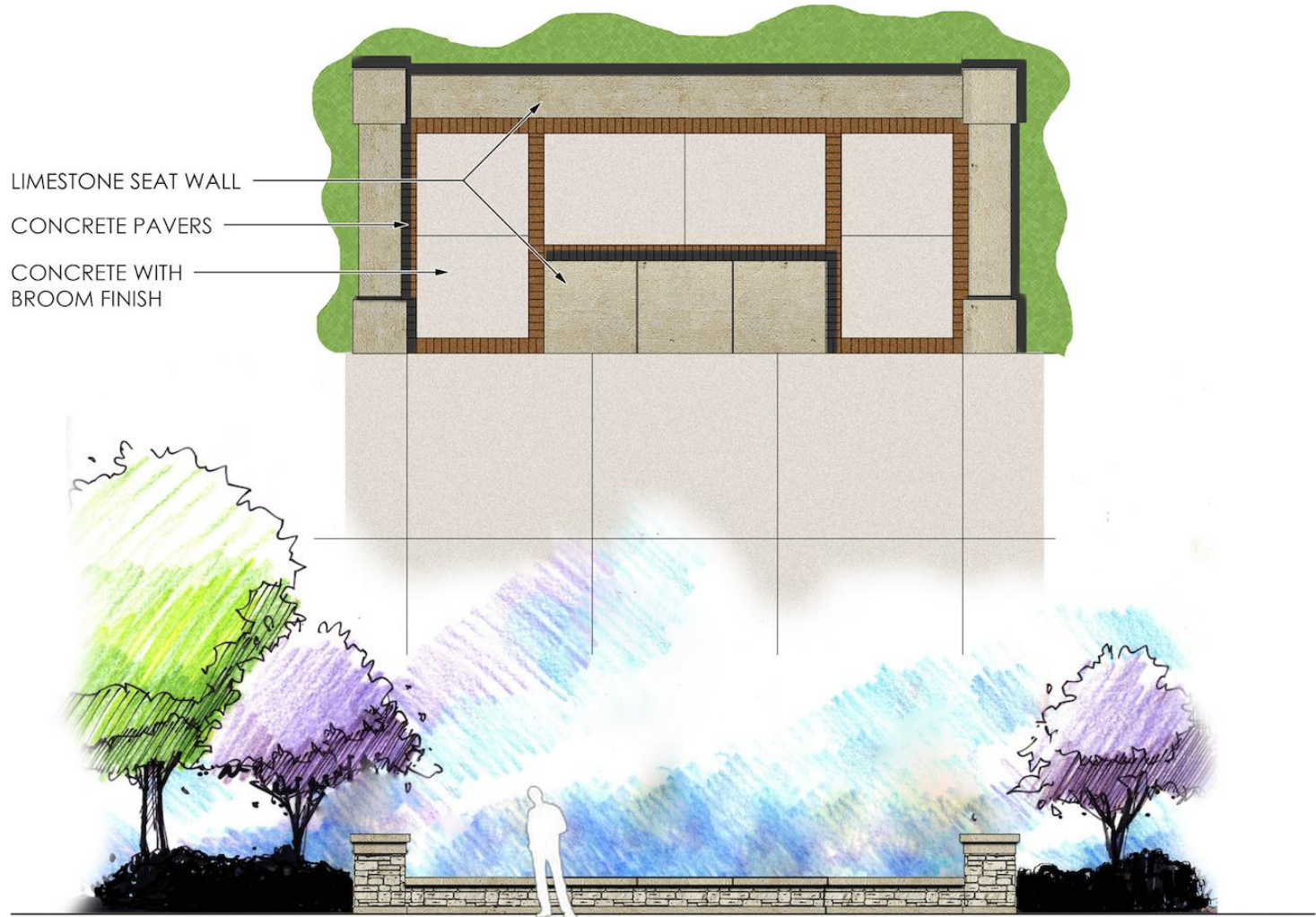
LOVERS LANE ROUNDABOUT ENTRY PLAZA - QUICK CONCEPT SKETCHES



# Chilled Water Distribution – Mid Campus Rebuild

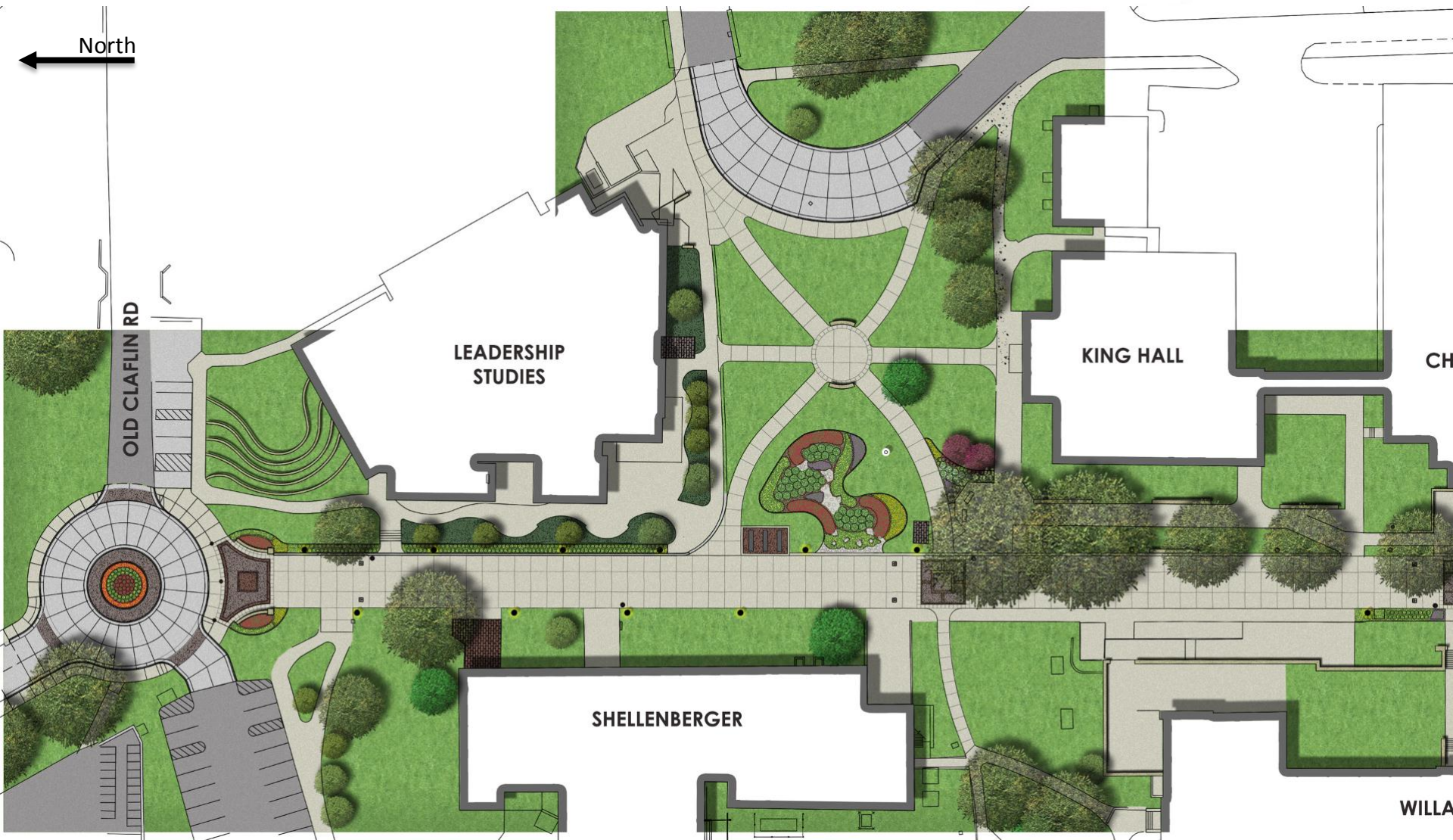


# Chilled Water Distribution – Future Seating Area



SEATING AREA ELEVATION & PLAN

# Chilled Water Distribution – Mid Campus Rebuild



# Hardscape - Material



## CONCRETE FINISHES



Straight Broom Finish



V-Cut Saw Joints

## CONCRETE PAVER PATTERNS



Running Bond



Basketweave



Soldier (Single & Double Row)

## CONCRETE PAVER TYPES



Holland Stone & Eco Holland Stone, Non-Tumbled



Moduline Stone (Used for Square Corner Pavers)



## LIMESTONE VENEER TYPES



Machine Split Rubble Veneer, Cottonwood Color



## CONCRETE PAVER COLORS



Truffle



Burnt Amber



Burnt Walnut



Sable Brown



Suede



Rust



Desert

## LIMESTONE FINISHES



Split Face



Honed



Belt Smooth

# Hardscape – Site Lighting & Other Materials

## FENCES & GATES



Montage II Classic Fence  
(4-Rail Model)



Montage II Classic Swing Gate  
(4-Rail Model)



KISC Gates



Passport II Sliding Gate

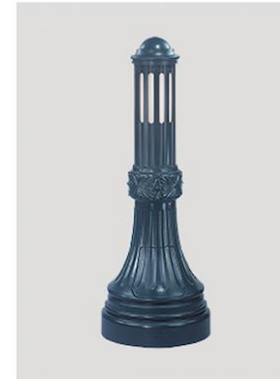
## PEDESTRIAN LIGHTING, BOLLARDS & TRASH RECEPTACLES



Pedestrian Lighting Per KSU Standard



Sentry Central Park Light  
Fixture - 17th St. Claflin



Bollard - Sternberg 6201B  
Oxford (Unlit)



Ultra Site Lexington LX-36

# Landscape – Planting Material



## SHADE TREES



London Plane Tree - Form



Bark



Leaf



White Oak - Form



Bark



Leaf & Fruit

## EVERGREEN & ORNAMENTAL TREES



Eastern White Pine



Prairie Fire Crabapple

## ORNAMENTAL SHRUBS



Compact Korean-spice Viburnum



Yellow Twig Dogwood

## ORNAMENTAL GRASSES



'The Blues' Little Bluestem



Big Bluestem



Yellow Indian Grass



Shenandoah Switchgrass

## FLOWERING PERENNIALS



'Goldsturm' Black Eyed Susan



'Kobold' Gayfeather



'Arizona Sun' Blanket Flower



New England Aster



'Bright Star' Coneflower



## Questions & Comments