

2016 Campus Construction Projects



April 21st, 2016

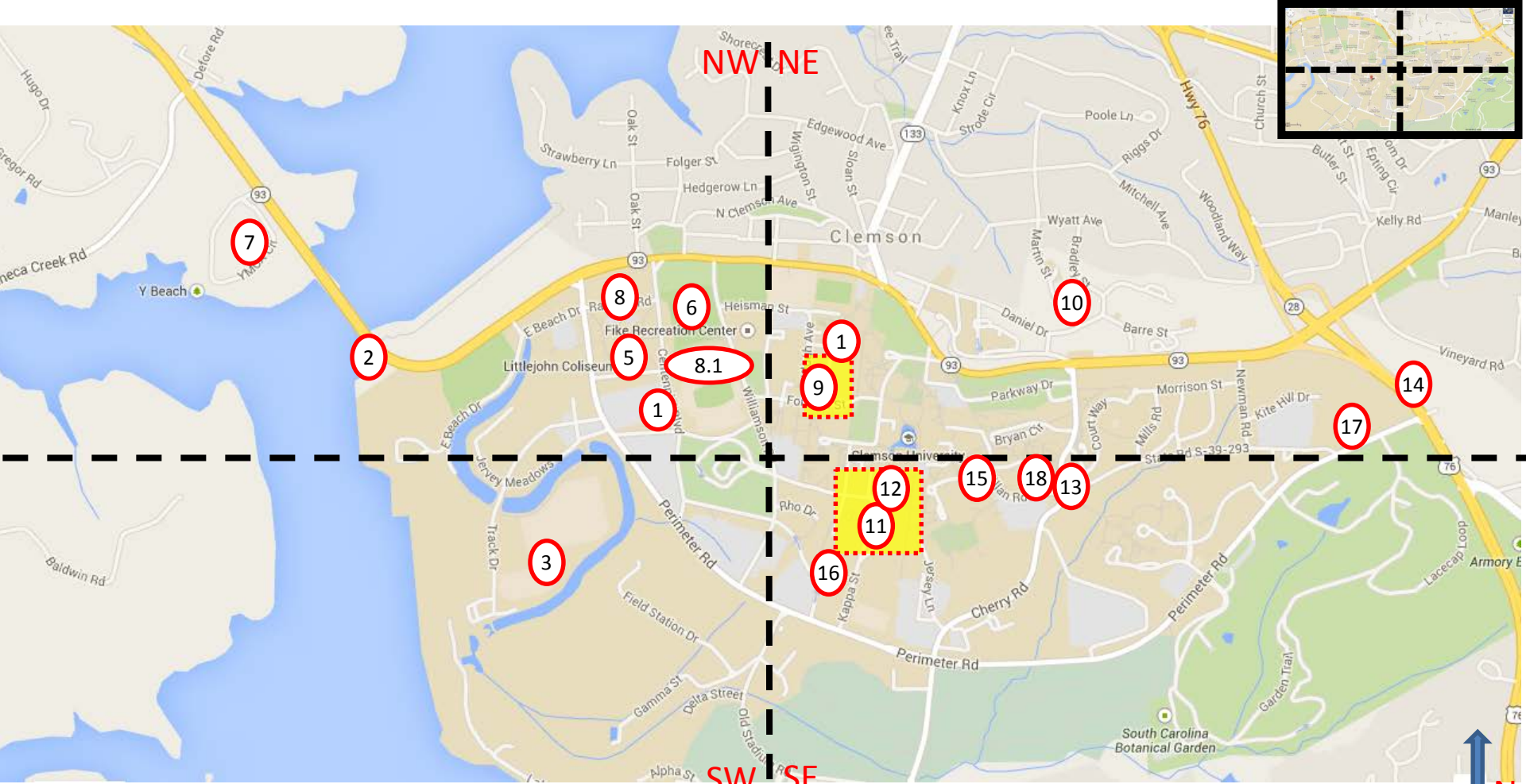
Creating the nation's most engaged, satisfied and successful student body

Objectives

- Provide an overview of 2016 projects to assist University entities with operational planning.
- Assist project teams by developing critical constraints so that both projects and University operations are successful.
- Provide an overview of 2016 Parking & Transportation projects.

Agenda

- Projects Overview
- Project Details & Discussion
- Core Campus Road/Site Work
- Douthit/Hwy 93 Road Work
- Electrical Infrastructure
- Central Campus Paving
- Other Disruptions
- Parking & Transportation Update



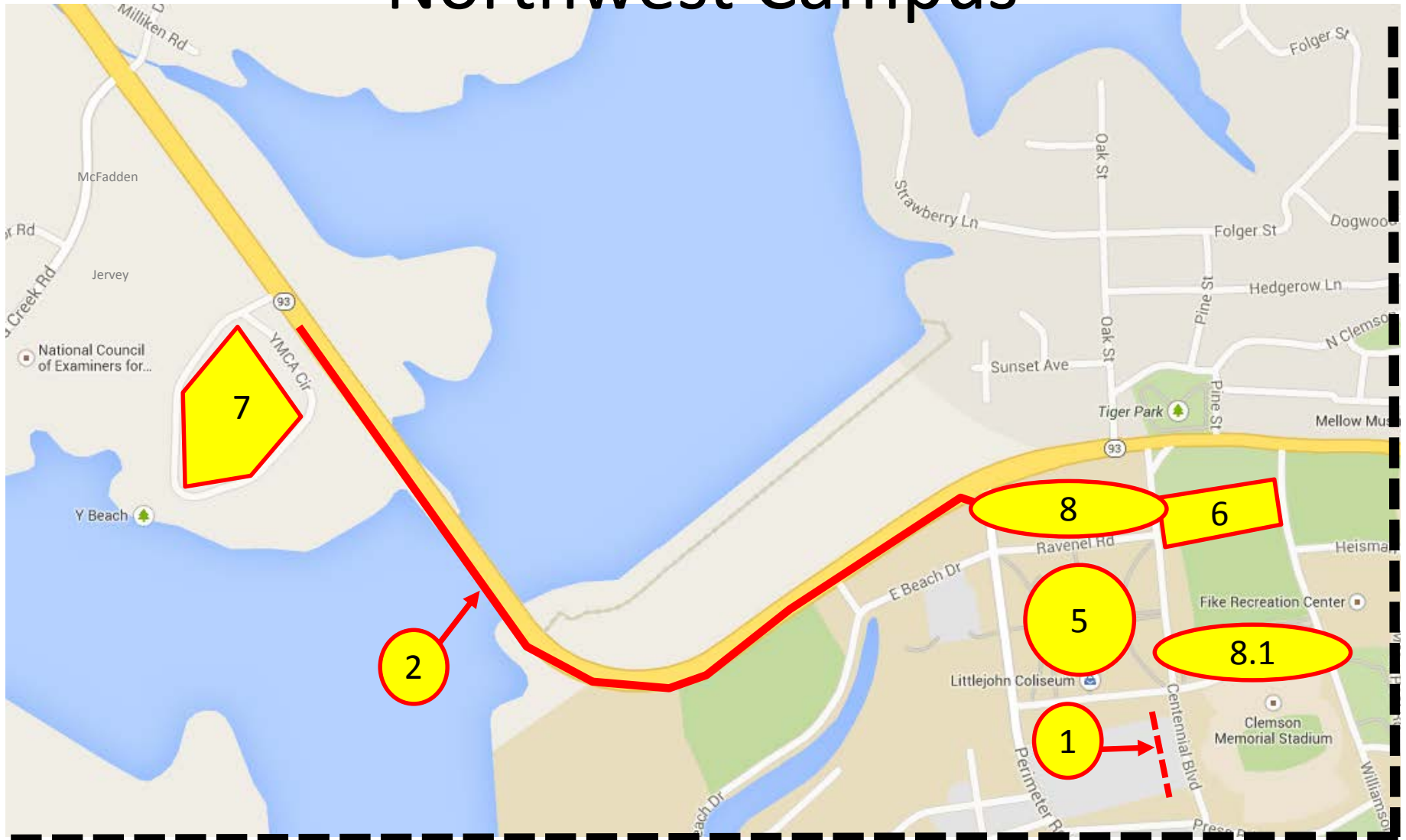
Construction Projects

- 1. Electrical Duct Bank (BrM)
- 2. Hwy 93 Sanitary Sewer (CC)
- 3. Football Operations Facility (PB)
- 4. Not Used
- 5. Little John Renovation (BM)
- 6. West Campus Energy Plant (SZ)
- 7. West Campus Satellite Parking (JG)
- 8. Ravenel Rd Stormwater (JG)
- 8.1 Ave of Champions Closure (DF)
- 9. Core Campus (TJ)
- 10. Douthitt Hills / Hwy 93 (MP)
- 11. Watt 4th Floor Completion (BM)
- 12. Central Campus Paving (BT)
- 13. Barnes Student Activity Center (KM)
- 14. East Campus Satellite Parking Lot (MS)

- 15. Jordan Hall Various Improvements (Various, MS)
- 16. Lee I & III Various Improvements (Various, MS)
- 17. Water Tower (MP)
- 18. Byrnes Hall Switchgear Replacement (DB)

See "Other Disruptions" Slide for Assigned Project Manger Initial List

Northwest Campus

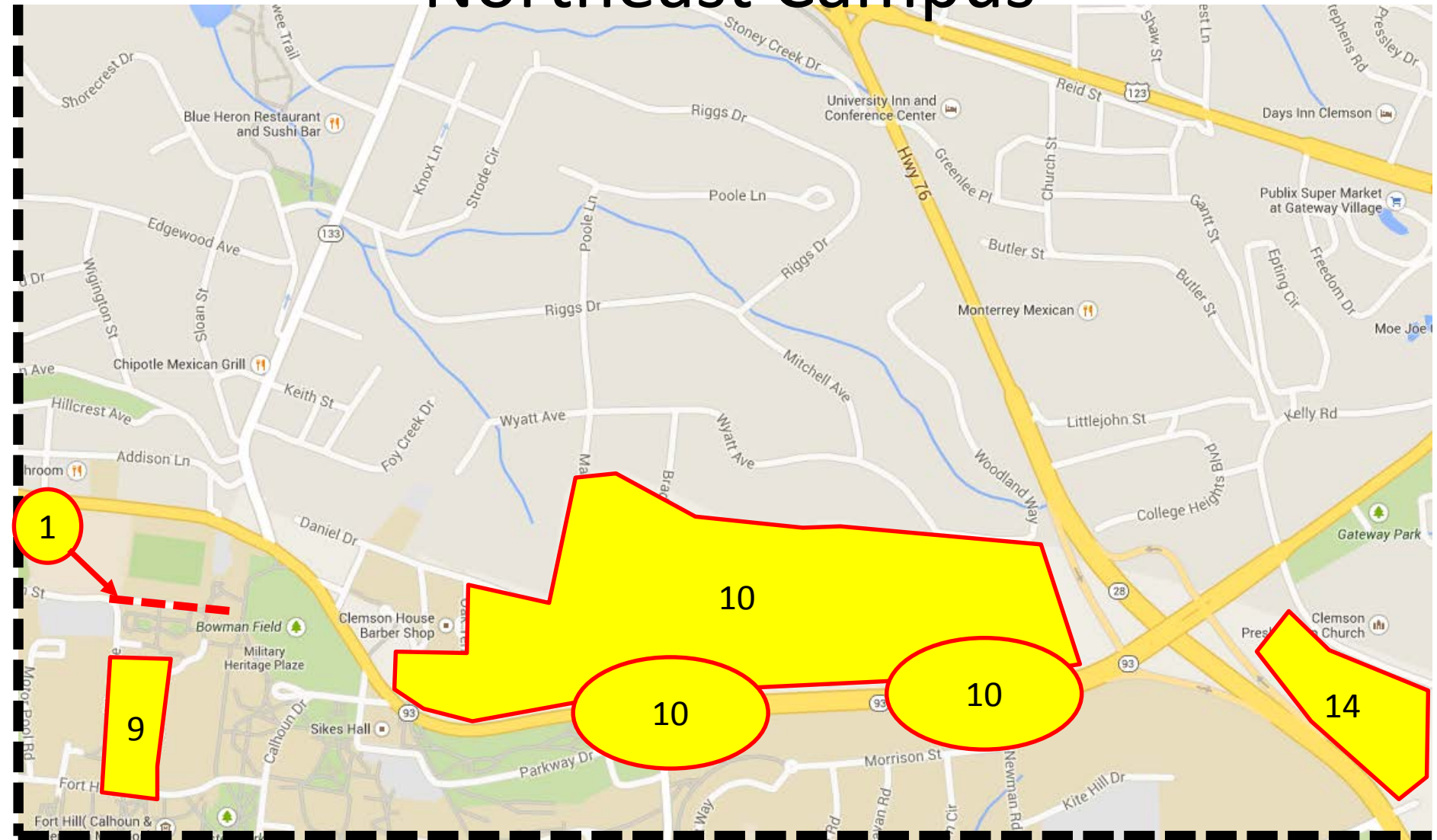


Construction Projects

- | | |
|-----------------------------|-------------------------------------|
| 1. Electrical Duct Bank | 7. West Campus Satellite Parking |
| 2. Hwy 93 Sanitary Sewer | 8. Ravenel Rd Stormwater |
| 5. Little John Renovation | 8.1 Ave of Champs Closure (1-2days) |
| 6. West Campus Energy Plant | |



Northeast Campus

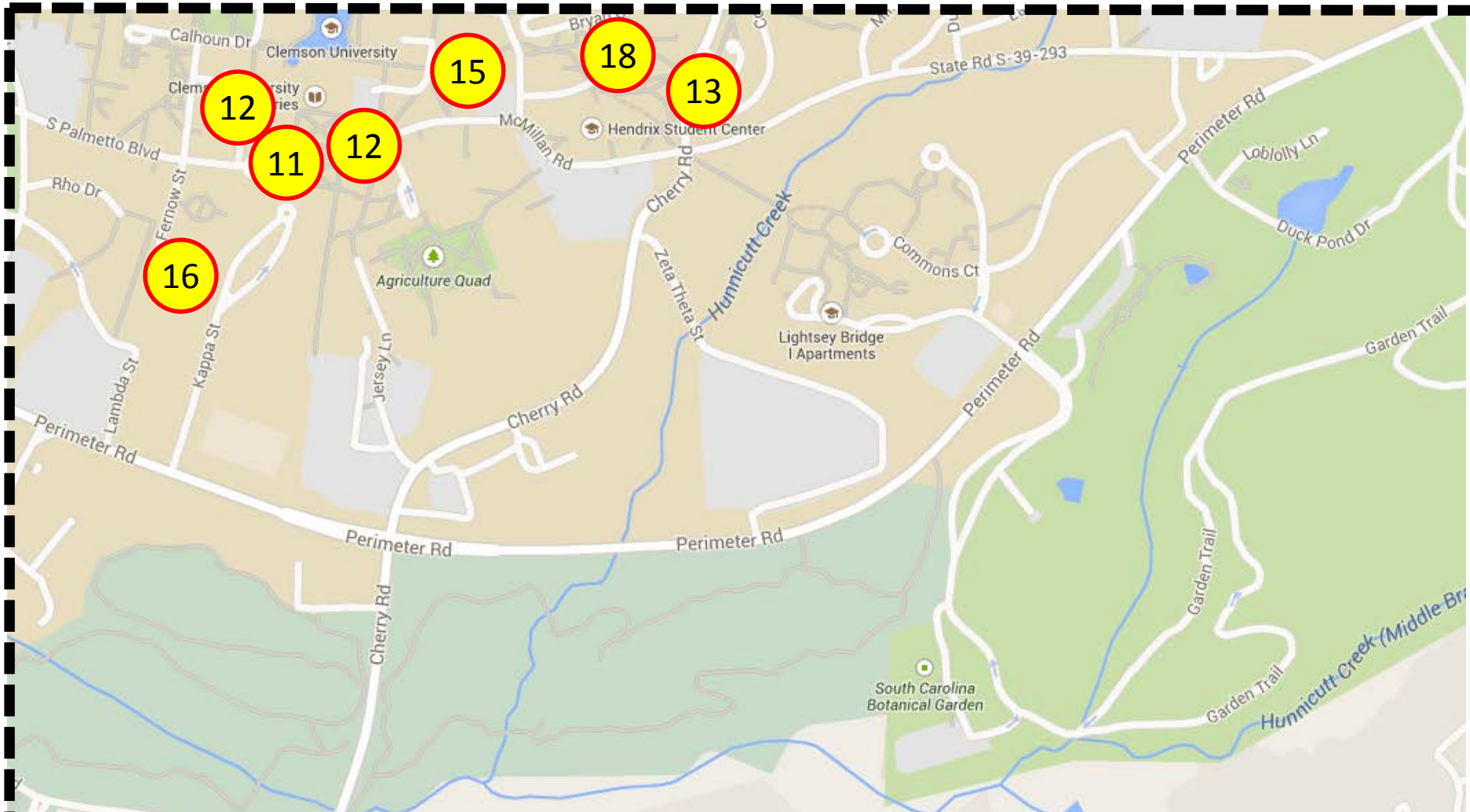


Construction Projects

1. Electrical Duct Bank
9. Core Campus
10. Douthit Hills / Hwy 93
14. East Campus Parking Lot



Southeast Campus



Construction Projects

- | | |
|---|-----------------------------------|
| 4. Not Used | 15. Jordan Hall Various |
| 11. Watt 4 th Flr Completion | 16. Lee I & III Various |
| 12. Central Campus Paving | 18. Byrnes Switchgear Replacement |
| 13. Barnes Student Activity Center | |

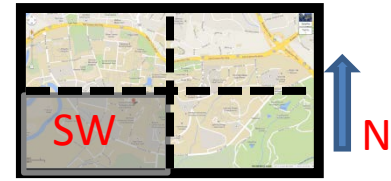


Southwest Campus



Construction Projects

3. Football Operations Facility/Parking



Core Campus Summer Road Work/Site Work

Note:

1. Alpha Beta/Klugh

- 5/16 – 5/22 – Single Lane NO TRUCKS
- 6/27 – 7/22 – Klugh/Alpha Beta CLOSED
- 6/27 – 7/29 – SIDEWALK CLOSED

2. University Facilities

- 5/23 – 6/17 - East main floor EXTERIOR DOORS CLOSED. Use west exterior doors.

3. Dillard Hall

- 6/15 – 7/29 – Dillard Level 1 EXTERIOR DOORS CLOSED. 1st Summer Semester class will take place in Dillard (Ends 6/14). Exams (6/16-6/17) at alternate location.

4. Union Drive/Holmes

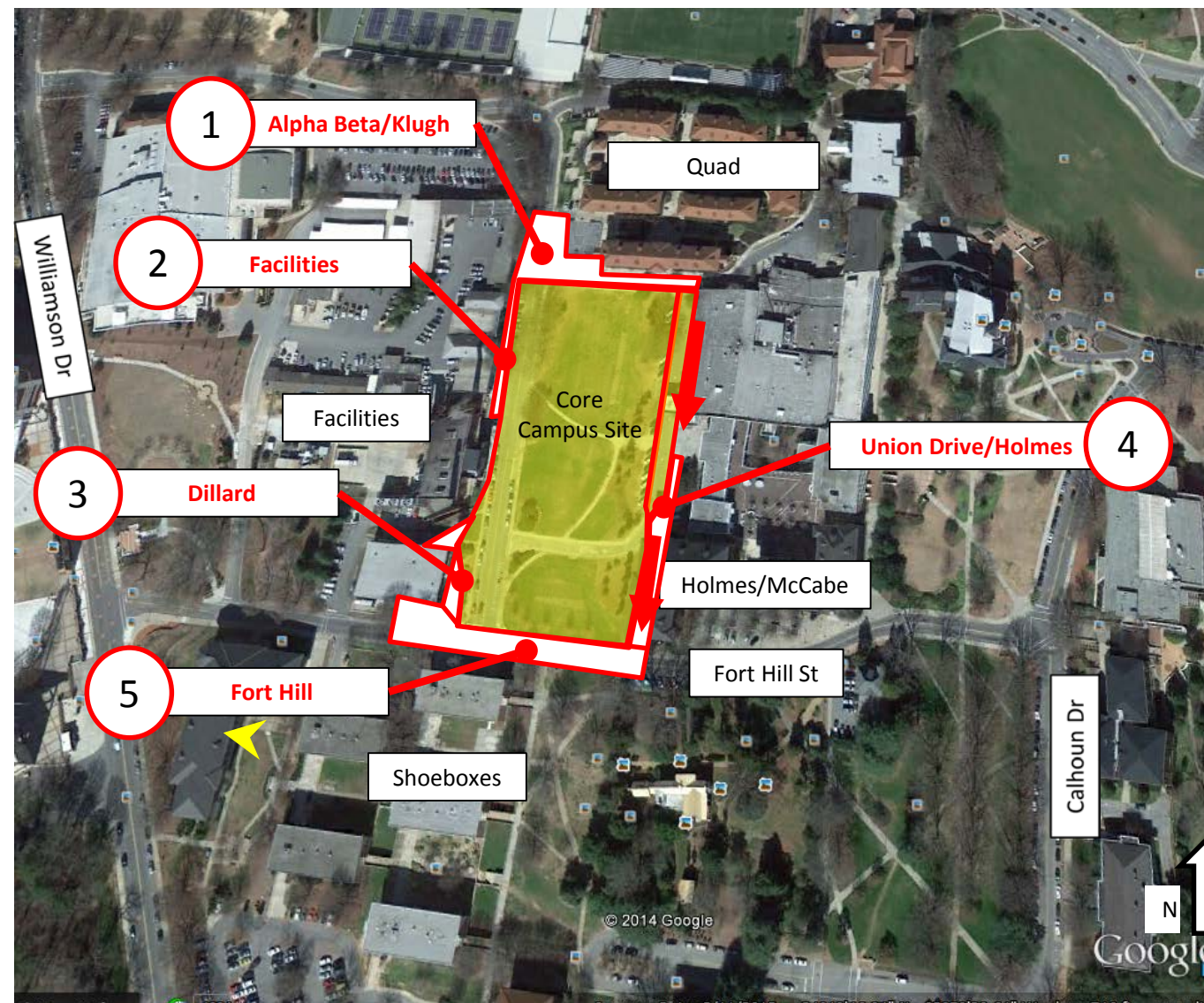
- 6/27 – 7/22 – Holmes Level 0 west EXTERIOR DOORS CLOSED. ROAD CLOSED.
- Fire Department Access will be provided on Core Campus Site.

5. Fort Hill

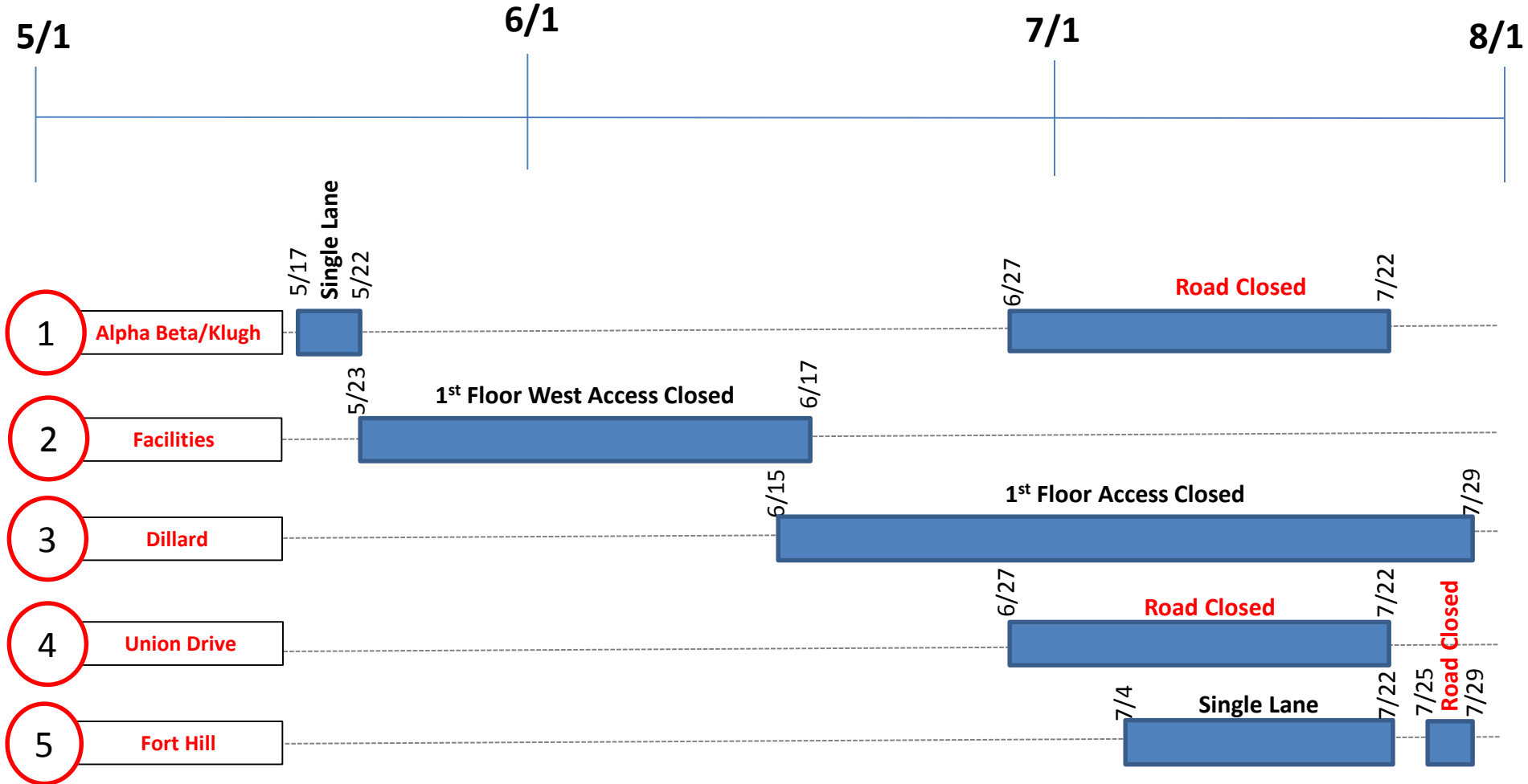
- 7/4 – 7/22 – SINGLE LANE CLOSED
- 7/25 – 7/29 – ROAD CLOSED

Pave All Areas
7/20 to 7/22

All dates are subject to weather delays

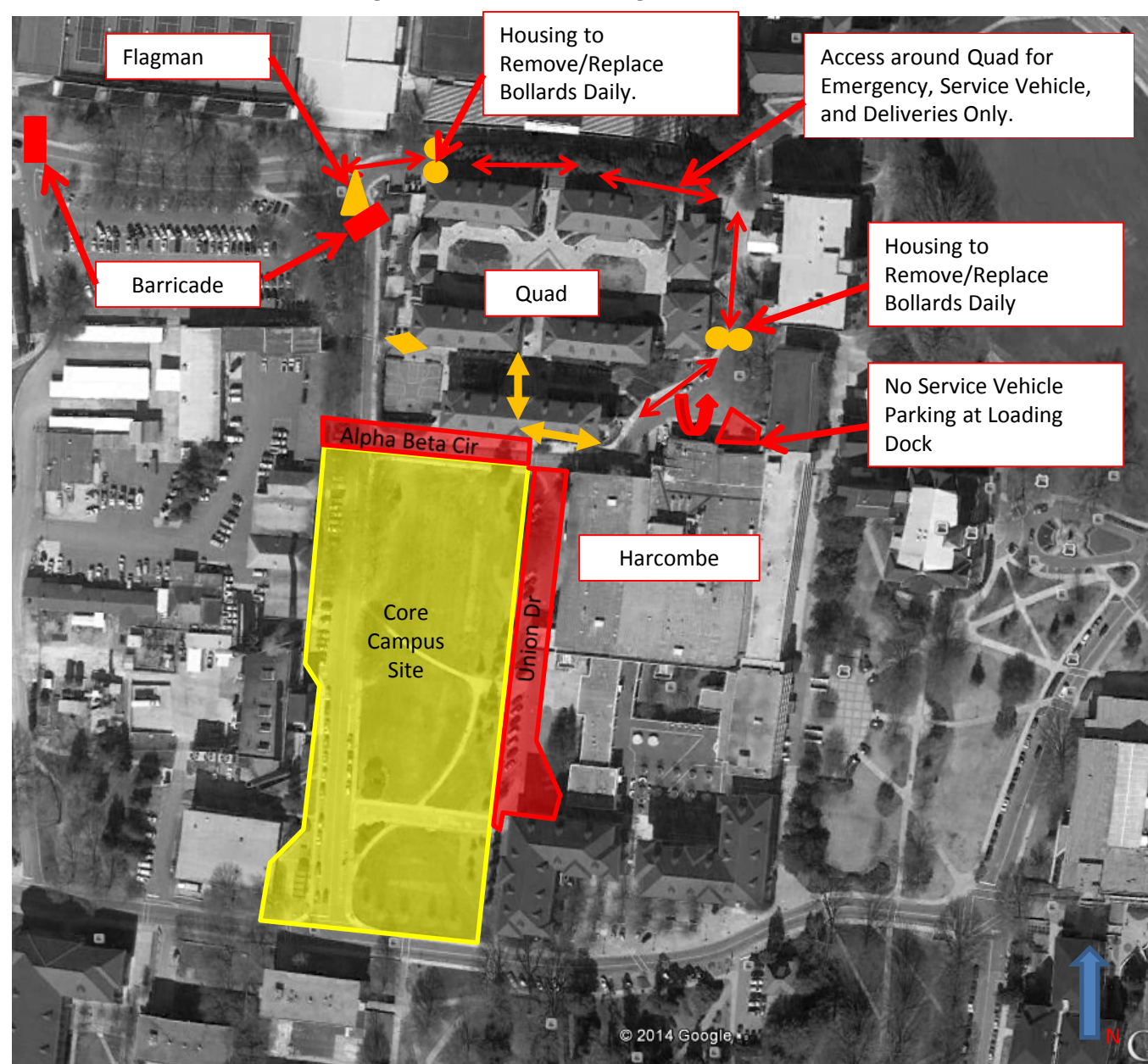


Core Campus Summer Road Work/Site Work Schedule



All dates are subject to weather delays

Core Campus - Alpha Beta/Union Closure Plan

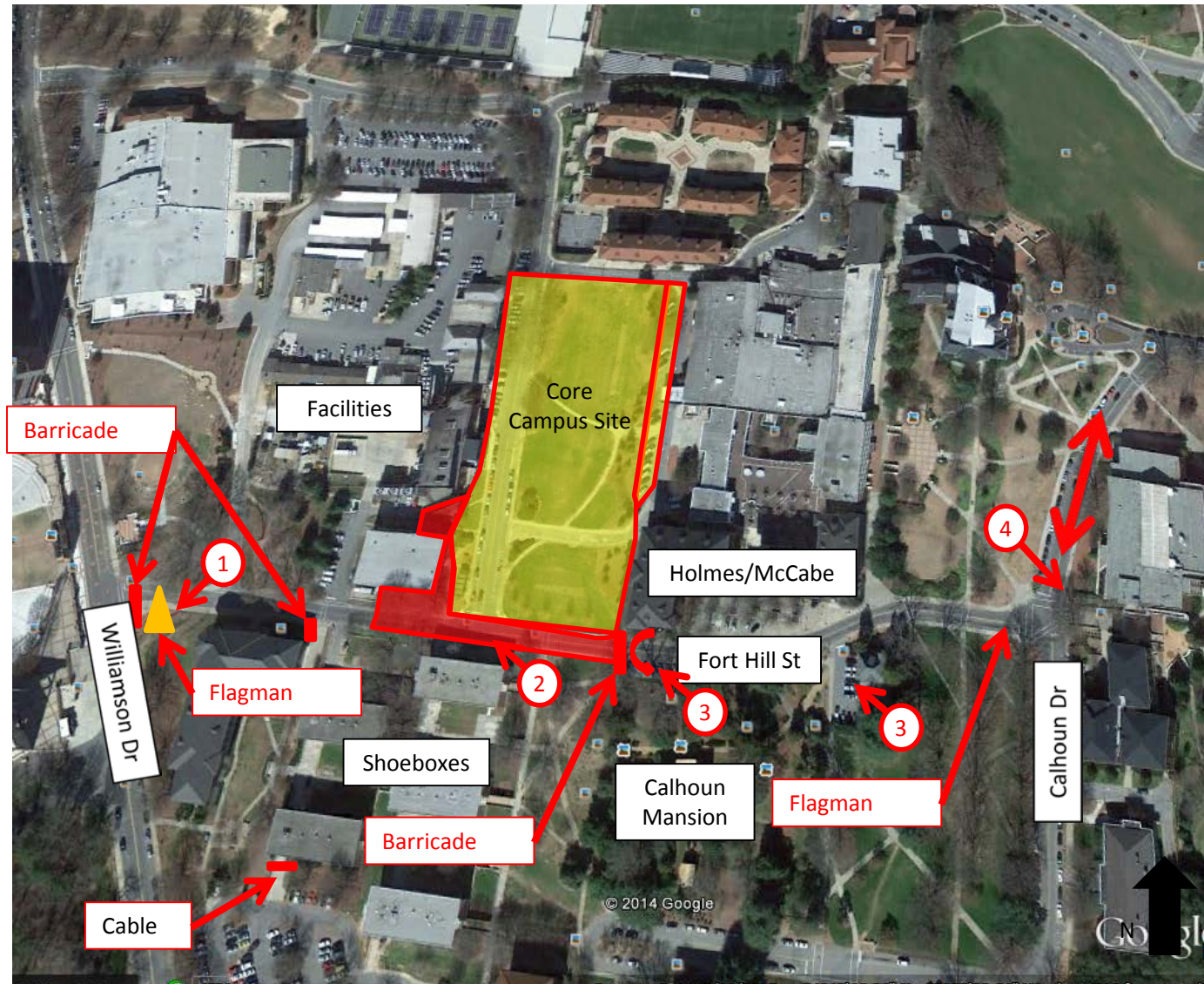


- Note:**
1. Signage will be in place along Heisman, Klugh, and Quad access Rd.
 2. Housing will remove Quad access road bollards during the Alpha Beta Closure
 3. **EMERGENCY, SERVICE, & SPECIAL PERMIT VEHICLES ONLY. NO Personal Vehicles allowed beyond the flagman located east of the Fike parking lot access drive. Special access Permits are available.**
 4. All authorized vehicles should use extreme caution when using the Quad access rd.

Alpha Beta/Union Closed
6/27 to 7/22

All dates are subject to weather delays

Core Campus Fort Hill Closure Plan



- Note:**
1. Emergency, Delivery, ADA, Special Permit, & Service Vehicle Only Beyond Barricade at Fort Hill St/Williamson Dr.
 2. Fort Hill sidewalks at work site will be closed.
 3. Parking along Fort Hill between work site and Calhoun Dr will be open. A turnaround will be established near worksite.
 4. The barricade west of Brackett along Calhoun Dr will be open allowing two way traffic.

Ft. Hill Closures
Single Lane Closure
7/4 to 7/22

Full Road Closure
7/25 to 7/29

All dates are subject to weather delays

Douthit Hills Hwy 93 Improvements

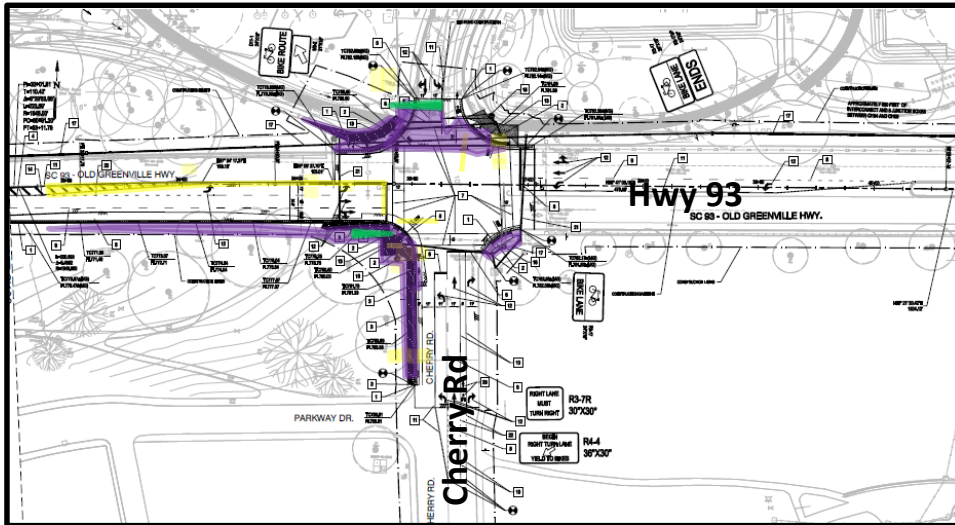


Summer '16
Road work begins at Hwy 93/ Cherry
& Hwy 93/Newman Intersections

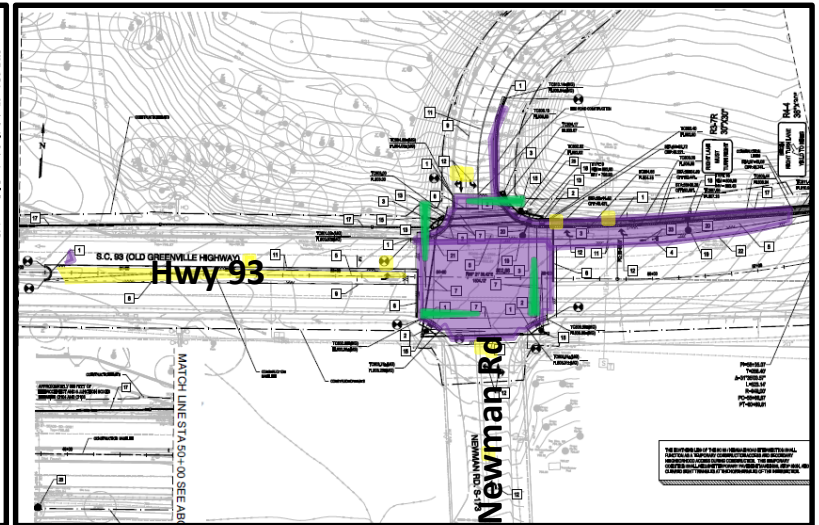
TENTATIVE



Douthit Hills Hwy 93 Improvements



Hwy 93 / Cherry Rd



Hwy 93 / Newman Rd



Electrical Deferred Maintenance

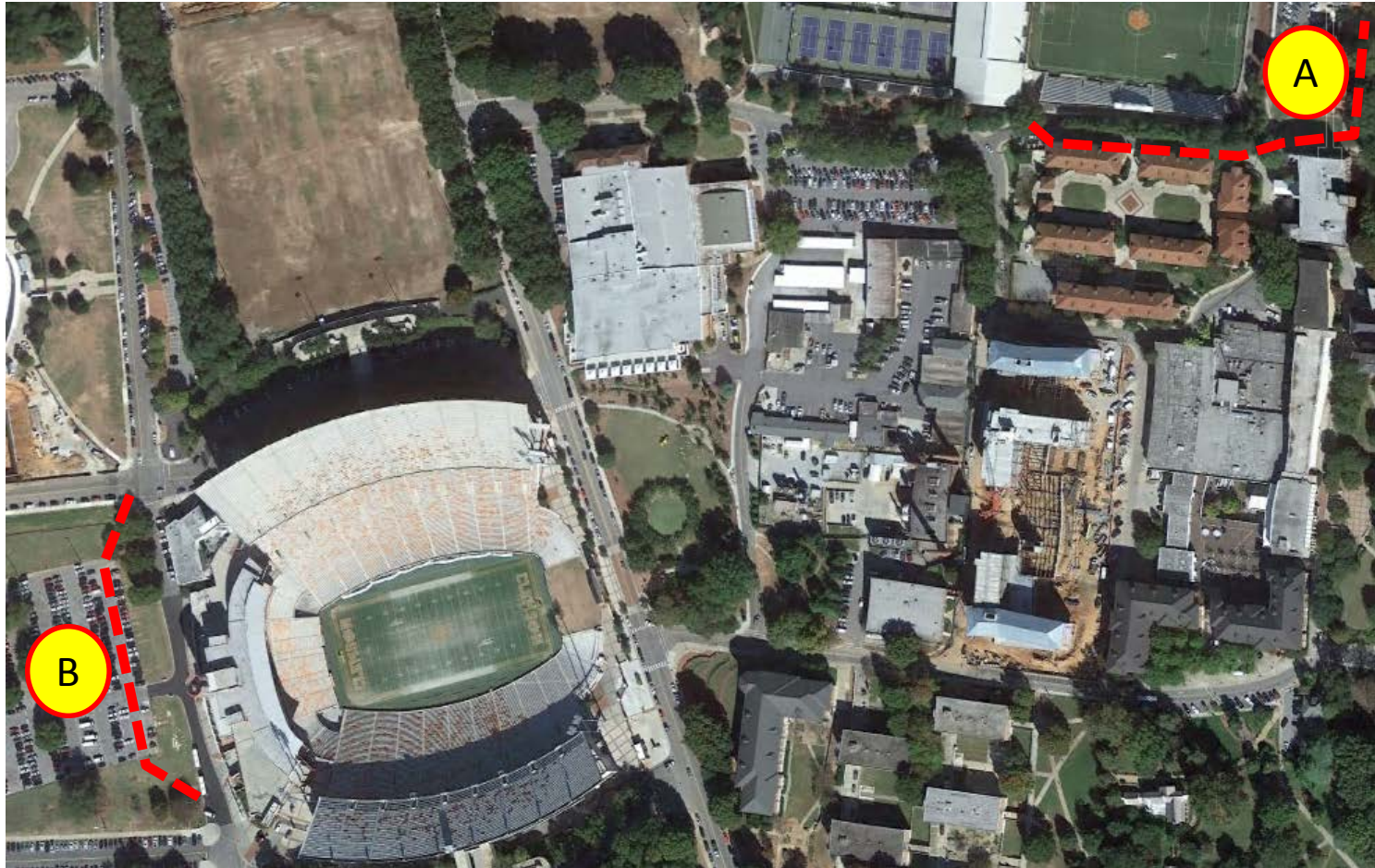
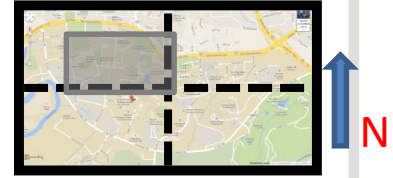
Scope of Work: Replace electrical infrastructure that has reached the end of its useful life.

- Some short(hours) and long (days) power outages will be required.
- Roadway Disruptions will also be encountered



1. Electrical Duct Bank - - - - -

Electrical Duct Bank



A. Mid April – Mid May

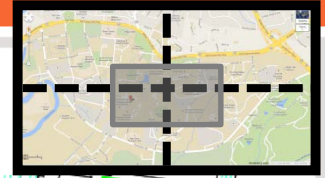
B. Early Summer


Upcoming Electrical Outages


- **Godfrey (3-5 days)**
- **Fike (3-5 days)**
- **Holtzendorff (1 day)**
- **Mell Hall (1 day)**
- **Wannamaker/Donaldson (1 hr)**
- **Norris/Bradley/Bowen (1 day)**
- **Soccer Stadium (1 day)**
- **Sloan Tennis Center (1 day)**
- **Football Stadium/Police Station (2 hr)**

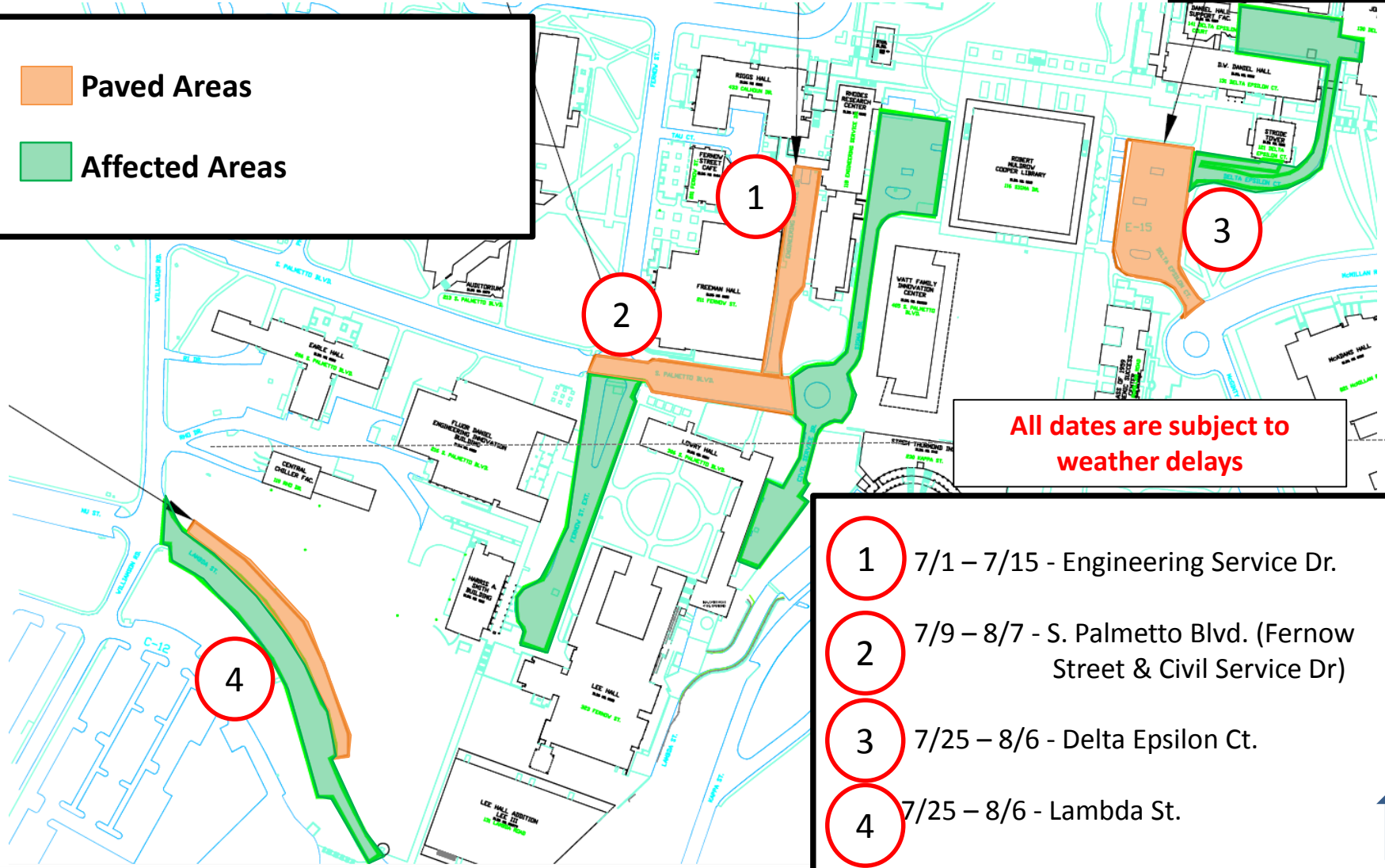
- **Note: Short outages will take place at nights or weekends. Specific schedule and details will be coordinated by project managers to Building Security Coordinators.**

Central Campus Paving



 Paved Areas

 Affected Areas



All dates are subject to weather delays

- 1** 7/1 – 7/15 - Engineering Service Dr.
- 2** 7/9 – 8/7 - S. Palmetto Blvd. (Fernow Street & Civil Service Dr)
- 3** 7/25 – 8/6 - Delta Epsilon Ct.
- 4** 7/25 – 8/6 - Lambda St.



Other Disruptions

Buildings w/ Extensive work

- Jordan Hall – Roof, Window Caulk, Elevator, Commissioning (Various, MS)
- Lee Hall – Window Caulk, Solar Fins, Air Handler, Exterior Doors (Various, MS)
- Steam Outage – Early August – 1-2 days (BK)

Roofs/Windows/Envelope

- Apparel Research Roof Replacement (BT)
- Barre Hall Windows (AG)
- Earle Hall Roof & Gutters (BT)
- Holtzendorf Windows (RO)
- Hunter Hall Brick Repair (RO)
- Jordan Hall Roof (AG)
- Jordan Hall Window Caulk (RO)
- Lee Hall Window Caulk & Solar Fins (RO)
- Martin Hall Caulk (RO)
- Lehotsky Window Caulk (AG)
- Olin Hall Caulk Windows (RO)
- P&A Partial Roof Replacement (BT)
- Rhodes Annex Roof Replacement (TM)
- Tillman Gutter Repair (RO)

Mechanical/Electrical/Plumbing

- BRC Generator Upgrade (DB)
- CETL Sprinkler Head Replacement (TM)
- Freeman Hall HVAC Unit Replacement (BH)
- Godley Snell Chiller Replacement (TM)
- Hunter Hall VFDs (BH)
- Jordan Hall Elevator Replacement (SB)
- Jordan Retro Commission (BH)
- Lee Hall Air Handlers (BH)
- Rich Lab Boiler (TM)
- STI Upgrade Fire Alarm (SB)
- Strode Hall Elevator Doors (SB)
- Tillman Replace Elevators (SB)
- Flour Daniel VFD (BH)
- Edwards Water Fountains (BH)
- Cooper Library Dampers (TM)
- CUFD Generator Replacement (DB)
- Hendrix Fire Alarm Replacement (SB)
- BRC Fire Alarm Upgrade (SB)
- South Chiller Plant Fire Alarm (SB)

Other Disruptions

Sitework / Roadwork

- Cooper Library Bridge Repairs (PA)
- Hendrix Paver Repair (BT)
- Martin Concrete Repair (PA)
- McAdams Replace Exterior Stairs (BT)
- S. Palmetto Paving (BT)
- Engineering Drive Renovation (BT)

Space Renewal / Interior

- Fike Flooring (PA)
- Holtzendorff Door/Hardware Replacement (RO)
- Lehotsky Exterior Hardware (BT)
- Lee Hall Exterior Doors (RO)
- Various Classroom Improvements (Various, MS)

All scheduled work will be coordinated by the project manager through Building Security Coordinators & other stakeholders

Project Manager List

AG	Alan Garret
BH	Bill Hurst
BM	Bill Muth
BrM	Bret McCarley
BK	Brian Kauer
BT	Bryson Thomas
CC	Channon Chambers
DB	Dan Byers
DF	Dwayne Fennell
JG	John Gambrell
KM	Kevin McDonough
MP	Mike Parker
MS	Mike Smith
PM	Paul Borick
PA	Phillip Addington
RO	Rick Owen
SZ	Sam Zanca
SB	Steve Black
TM	Tom Minor
TJ	Tommi Jones

Parking & Transportation Update

Current Projects

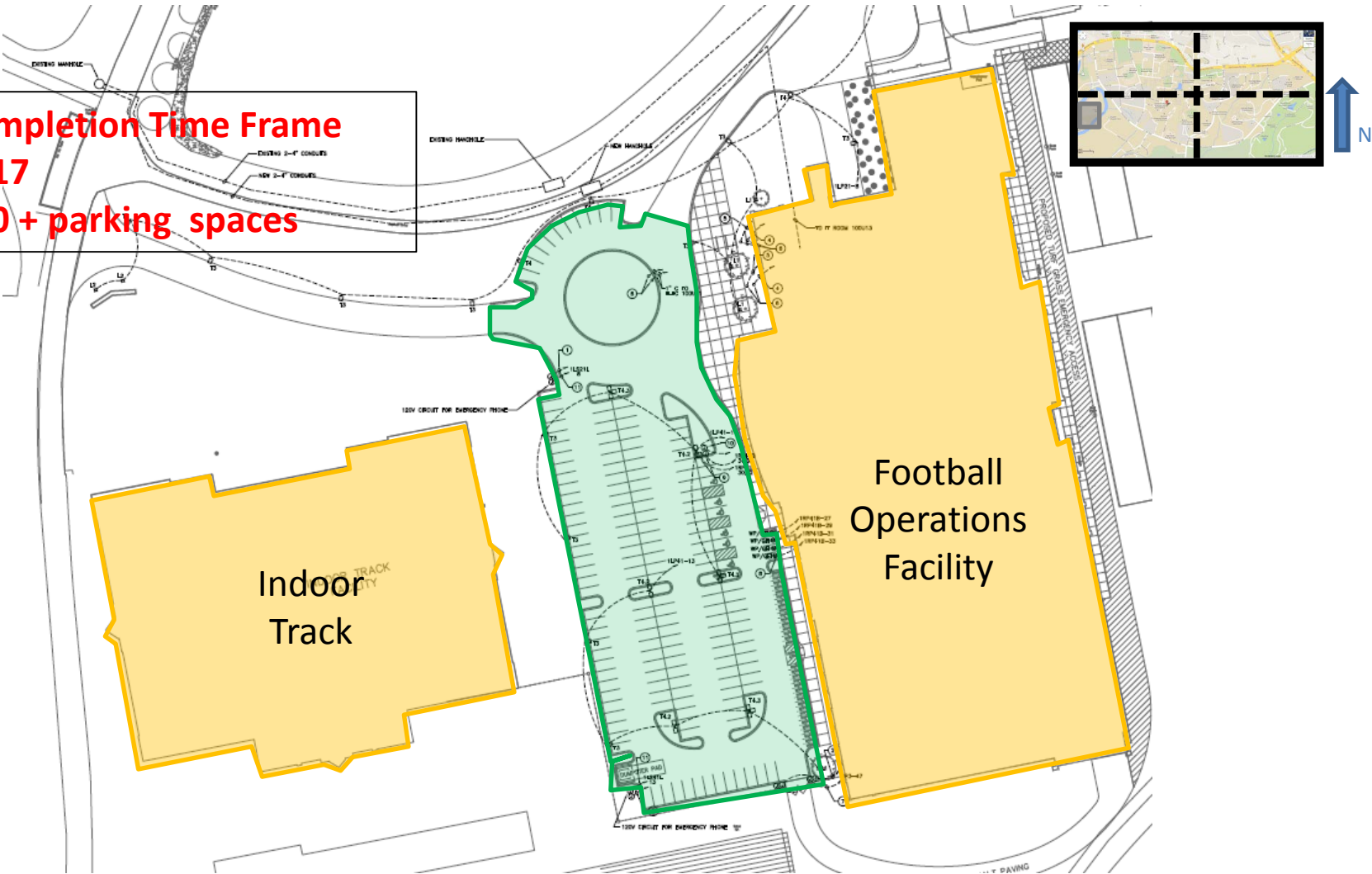
1. Football Operations Center Parking Lot
2. Hwy 76 (R-6) Parking Lot
3. Snow Family Recreation Parking Lot
4. Core Campus Parking Spaces
5. Central Campus Parking Spaces
6. R01 (Kite Hill) Parking Spaces
7. E21 (Cherry Rd) Parking Spaces

Future Projects

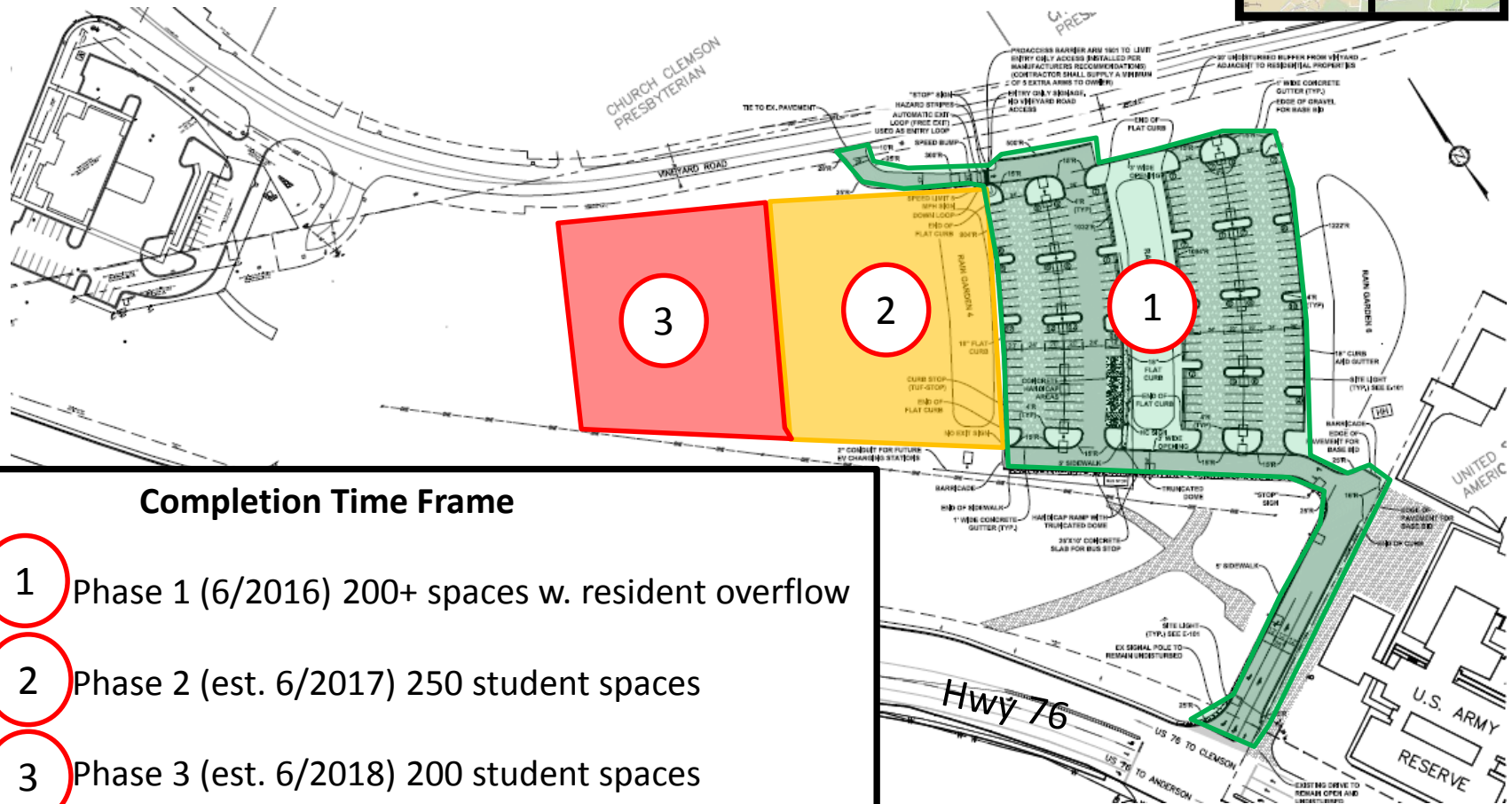
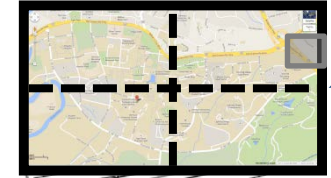
1. Feasibility Study for a Solar Powered Covered Bike Shelter Near Lowry and the Watt Innovation Center
2. Ravenel Satellite Parking Lot
3. Bike Share Program

Football Operations Parking

Completion Time Frame
2017
200+ parking spaces



Hwy 76 Lot (R-6)



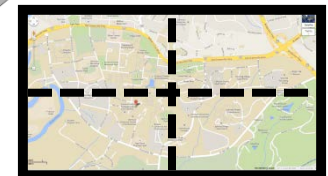
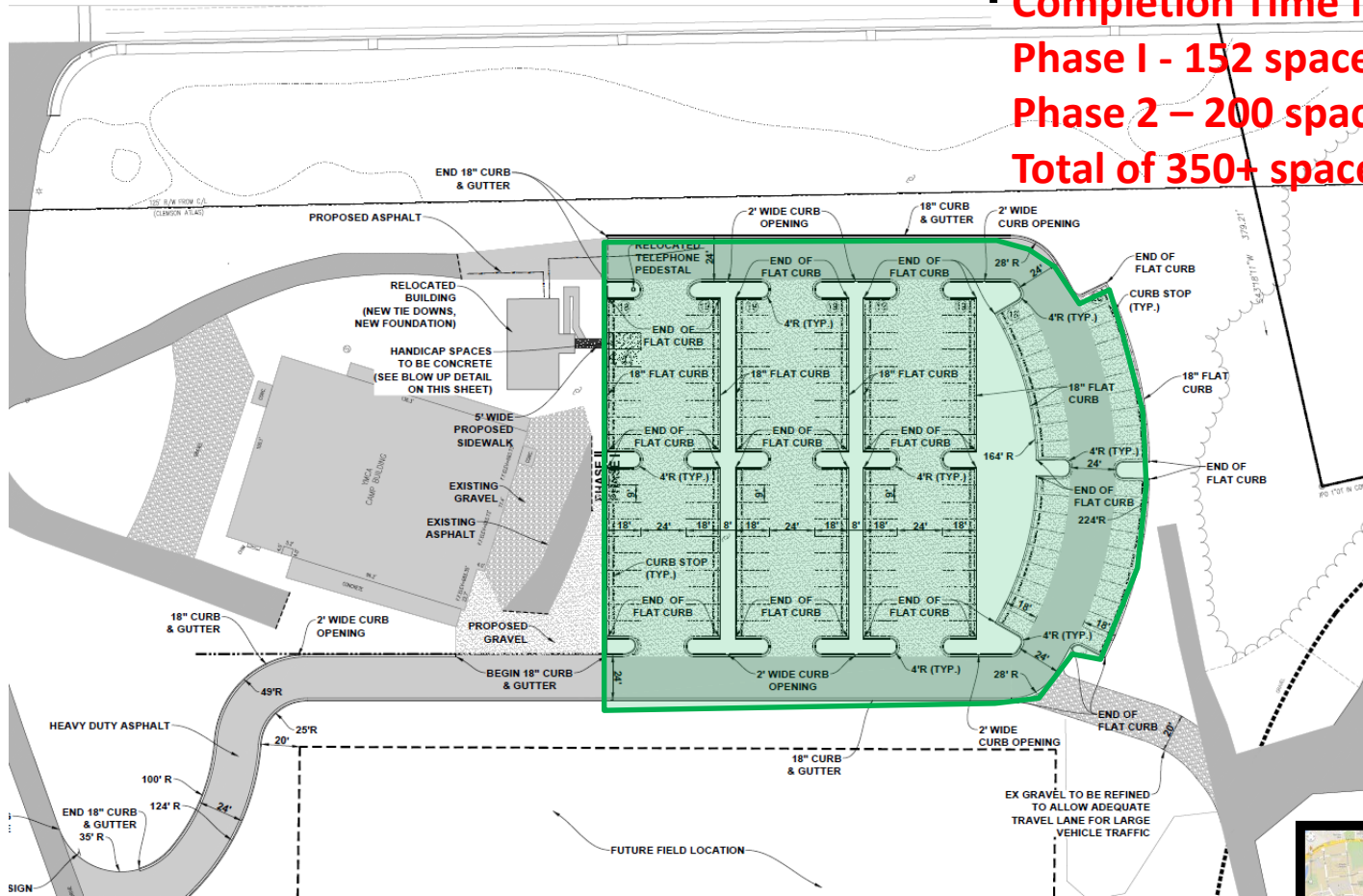
Completion Time Frame

- 1 Phase 1 (6/2016) 200+ spaces w. resident overflow
- 2 Phase 2 (est. 6/2017) 250 student spaces
- 3 Phase 3 (est. 6/2018) 200 student spaces

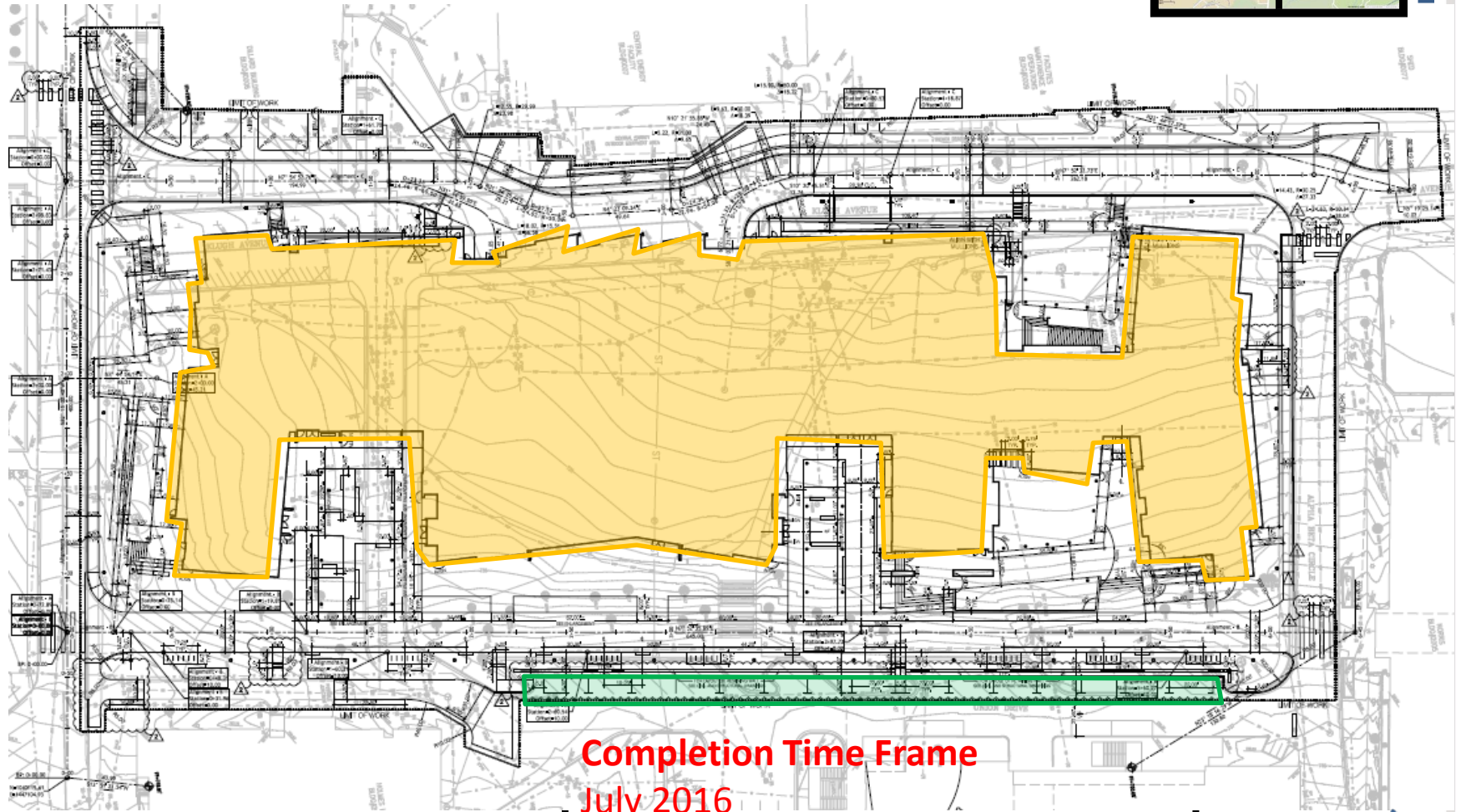
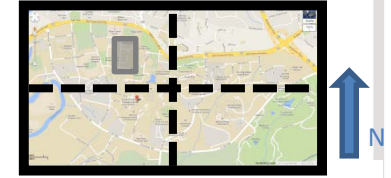
Total of 650+ for Douthit Hills student residents

Snow Family Recreation Center Parking

Completion Time frame
Phase I - 152 spaces (est 9/16)
Phase 2 - 200 spaces (est ?)
Total of 350+ spaces



Core Campus Parking



Completion Time Frame

July 2016

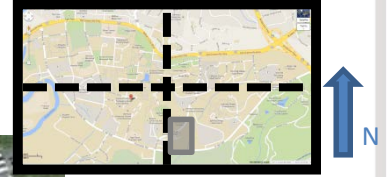
Adding back 15 Metered Spaces

Kite Hill (R1) Parking



Add 130 Resident Spaces

E-21 (Cherry Rd) Parking



Barnes Student Center Parking



Losing 30 Employee Spaces



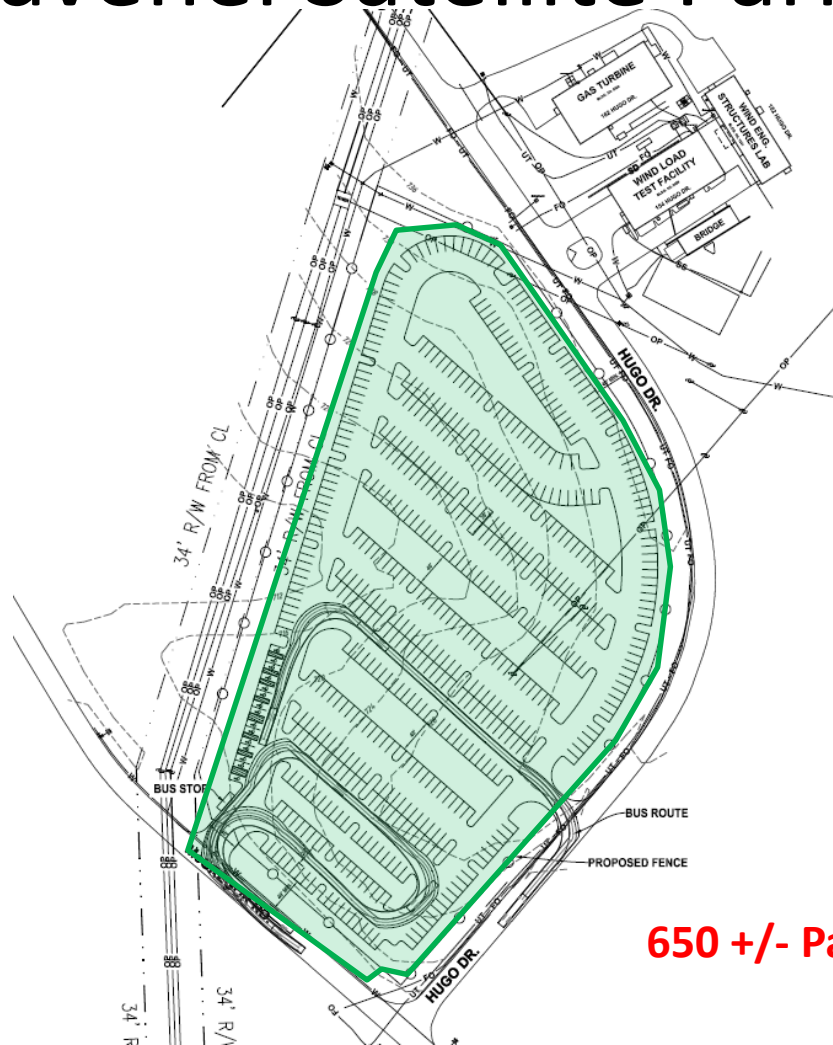
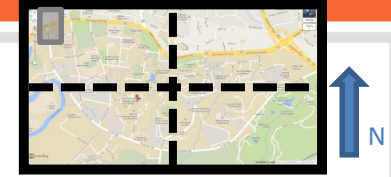
Future Parking Initiatives

Lowry Covered Bike Shelter



Future Parking Initiatives

Ravenel Satellite Parking



650 +/- Parking Spaces

Future Parking Initiatives

Bike Share

**bike
share**
clemson® university





Thank You

