

# **2018 CAROLINA NORTH ANNUAL REPORT**

**REPORTING PERIOD: JULY 1, 2017-JUNE 30, 2018**

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Prepared by UNC-CH Facilities Planning & Design

**8/31/2018**

## **I. 2017-2018 Activities to Report**

### **A. Housing**

**Units constructed:** None.

**Estimated number of residents living in Carolina North Housing:** None.

**Estimated number of Full Time Equivalent employees working on site at**

**Carolina North, as of June 30, 2018:**

- 1 FTE employee at Horace Williams Airport
- 2 FTE employees at Carolina North Forest Management office
- 7 FTE employees at the Chapel Hill Police Department substation
- 1 FTE Grounds Department employees

### **B. Parking, Traffic and Transit**

**Report on parking provided vs. baseline parking ratios:** The University has not constructed any new facilities, nor provided any additional parking during this reporting period. The Chapel Hill Police continue to have nonexclusive use of parking adjacent to their leased building.

**Current status of transit planning for Carolina North Project and coordination within Short Range Transit Plan process:** The Town and the University continue to work on several transit planning efforts that will impact access to Carolina North. The Orange County Transit Plan, funded in part by a half-cent sales tax approved by Orange County voters, supports development of light rail transit between Orange and Durham counties, as well as other transit system enhancements throughout the County and Chapel Hill. The Chapel Hill

Transit Partners have agreed upon the use of portions of the increased funding received by Chapel Hill Transit, including additional services that have been implemented since August 2013. Chapel Hill Transit is also analyzing bus rapid transit options along Martin Luther King, Jr. Boulevard and US 15-501 South. The transit improvements being analyzed, if funded, would serve Carolina North. A locally preferred alternative was selected by the Chapel Hill Town Council on April 27, 2016, and the project is currently in the Preliminary Engineering/Environmental Review phase.

**Coordination with Transportation Management Plan:** Transportation Management Plan coordination was not required because the University had no development during the reporting period.

**Short Range Fiscal Plan—Actions taken to address recommendations in the most recent SRFP:** No activity to report during this period. The initial SRFP is to be completed in conjunction with the issuance of an initial site development permit.

**C. Land Use and Activities in Limited Development Area (5.5.2)**

**Chilled water, steam, electric ductbank, water and telecom lines:** No activity on chilled water, steam lines, electric ductbank, water or telecom lines.

**Reclaimed water line (with OWASA):** No activity to report for this period.

**Maintenance and improvements to existing utility lines:** No activity to report for this period.

**Stormwater lines and improvements:** No activity to report for this period.

**Stormwater structures:** No activity to report for this period.

**Public utility lines traversing site:** Routine maintenance of PSNC utility corridor.

**Utility structures without a building (e.g., electrical substation):** No activity to report for this period.

**Alterations to utility equipment (generator, other mechanicals):** No activity to report for this period.

**Site storage and construction staging areas:** No activity to report for this period.

**Stream restoration projects:** No activity to report for this period.

**Greenways and other paved trails:** No activity to report for this period.

**Public art:** No activity to report for this period.

**Site clearing for any other purpose:** No activity to report for this period.

**Alterations (but not expansion) in existing parking lots, including repaving, replanting for stormwater mitigation, etc.:** No activity to report for this period.

**Roads, internal service without exterior connections and not designed for vehicular circulation to serve buildings within Carolina North developed area:** No activity to report for this period.

**Exterior tennis and basketball courts:** No activity to report for this period.

**Athletic facilities and events that are not buildings and that do not involve land clearing or grading of more than 20,000 square feet:**

- April-June 2018: Weekly Runs sponsored by Trailheads;
- April-June 2018: UNC Cross Country (XC) Team Training sponsored by UNC Athletics;
- April-June 2018: Youth Mountain Bike (MTB) Rides sponsored by Team Jammer/Kids On Bikes Riding Around (KOBRA);

- April-June 2018: Meetup Rides sponsored by Triangle Off-Road Cyclists (TORC);
- May 2018: Philosopher's Way Trail Run sponsored by Trailheads;
- January-March 2018: Weekly Trail Runs sponsored by Trailheads;
- January-March 2018: Youth MTB Rides sponsored by Team Hammer/KOBRA;
- January-March 2018: UNC XC Team Training sponsored by UNC Athletics;
- January-March 2018: Meetup Rides sponsored by TORC;
- February 2018: Staff released trail navigation web mapping application, [www.tyinyurl.com/cnf-trail-nav](http://www.tyinyurl.com/cnf-trail-nav);
- January 2018: Carrboro 50K trail race sponsored by Trailheads.
- October 2017: Run for Peace 2017 sponsored by Unity Center of Peace;
- October-December 2017: UNC XC Team Training sponsored by UNC Athletics;
- October-December 2017: Weekly Runs sponsored by Trailheads;
- October-December 2017: Youth MTB Rides sponsored by Team Hammer/KOBRA;
- October-December 2017: Meetup Rides sponsored by TORC;
- October-2017: ADRF Orienteering sponsored by Patrick & Kelly Sears;
- October 2017: Pumpkin Run race sponsored by Fleet Feet;
- October 2017: Santa Cruz Bicycle Demo by Clean Machine of Carrboro;
- September 2017: ADRF Orienteering sponsored by Patrick & Kelly Sears;
- September 2017: Sneed-Allenye Invitational XC meet by UNC Club XC;
- July-September 2017: Weekly Runs sponsored by Trailheads;
- July-September 2017: Youth MTB Rides sponsored by Team Hammer/KOBRA;
- July-September 2017: Meetup Rides sponsored by TORC;

- July-September 2017: UNC XC Team Training sponsored by UNC Athletics;
- July 2017: HS XC training sponsored by Group Hassan.

**Gazebos and other open-air shelters, parks, children’s play areas, passive recreation features, and park site furnishings:** No activity to report for this period.

**Unpaved trail construction/maintenance (including volunteer work on paths, harvesting, etc.):**

- April 2018: Unpaved trail maintenance: staff and volunteers created a link from Pumpkin Loop to Bypass Trail.
- April 2018: Unpaved trail maintenance: The Silas Buckner Eagle Project replaced two bridges on Occoneechee Trail (Double Dragon).
- April-June 2018: Unpaved trail maintenance: Staff improved drainage on hillside near Crow Branch overlook Waypoint 9.
- March 2018: Unpaved trail/Forest Road maintenance: Staff regraded and resurfaced forest roads.
- March 2018: Creation of a neighborhood connection to Courtyards at Homestead, west side by staff and volunteers.
- January-March 2018: Unpaved trail/stream crossing improvements by staff and volunteers.
- January-March 2018: Unpaved trail maintenance by staff.
- February 2018: Unpaved trail maintenance: Drainage crossing at CBO #14 by volunteers.
- February 2018: Unpaved trail maintenance: staff and volunteers added water bars to Dusty Road Bypass.
- January 2018: Unpaved trail maintenance: staff and volunteers relocated an alternate path on CBO, near historic homesite/Waypoint 20.
- January 2018: Unpaved trail maintenance: staff updated GIS with trail and waypoint information.

- October-December 2017: Unpaved trail maintenance: trail refurbishment and relocations by staff and volunteers.
- October-December 2017: Unpaved trail maintenance: Updated trail signage, waypoint markers and names loops and spurs by staff.
- December 2017: Unpaved trail maintenance and published wayfinding/trail navigation app for users; [www.tinyurl.com/cnf-trail-nav](http://www.tinyurl.com/cnf-trail-nav).
- November 2017: Boundary marking by staff.
- November 2017: Unpaved trail maintenance to add features to trail line, Neverland Outer Loop b/w WPs 21 and 22 by staff, volunteers and Carolina Crushers (Chapel Hill and Carrboro Middle School Composite MTB Team)
- July-September 2017: Unpaved trail maintenance: Trail refurbishment and relocation by staff and volunteers.
- September 2017: Unpaved trail maintenance: Turnpiking/surface hardening on NOT near north end by staff.
- September 2017: Public utilities crossing site-Utility corridor routine maintenance by PSNC/PSNC contractor.
- August 2017: Delineation of 10' buffer around cemetery and installation of fencing and signage to identify and to protect Gattis-Burch Cemetery- by staff.
- August 2017: Unpaved trail maintenance: Staff installed “Watch for Pedestrians and Trucks Entering Roadway” signs near Pumpkin Loop and Municipal Dr. Extension.
- August 2017: Unpaved trail maintenance: Trail extension to connect to Courtyards at Homestead by staff.
- July 2017: Unpaved trail maintenance: Staff updated trail signage and waypoint markers on named loops and spurs.
- July 2017: Unpaved trail maintenance: Regrading and resurfacing forest roads by staff.
- July 2017: Unpaved trail maintenance: Staff corrected flow line on Lowlands.

**Memorial gardens:** No activity to report for this period.

**Kiosks and benches:** July 2017: Staff added exercise equipment to Locust Lot, a log bench in Meadow and Barnworks NC donated benches near the pond.

**Incidental parking areas:** No activity to report for this period.

**Site furnishings (recycle containers, fixtures, blue lights):** No activity to report for this period.

**Support facilities for special events (Tar Heel Town, concerts, etc.):** No activity to report for this period.

**Demolitions:** No activity to report for this period.

**Landscaping activities:** Between April 2018 and June 2018, staff focused on removal of invasive kudzu (*Pueraria* spp.), tree-of-heaven (*Ailanthus* spp.), and stilt grass (*Microstegium* spp.) on a trail extension through the old Municipal Landfill; see CN Forest Activities Map for location.

**Community gardens:** No activity to report for this period.

**Miscellaneous activities:** The leased house located at 2311 Homestead Road damaged by fire in April 2017 will be demolished August-September 2018.

#### **D. Land Use and Activities in Development Area (5.5.3)**

**Chilled water, steam, electric ductbank, water and telecom lines:** No activity for chilled water, steam, electric ductbank, water or telecom lines.

**Reclaimed water line (with OWASA):** No activity to report for this period.

**Maintenance and improvements to existing utility lines:** No activity to report for this period.

**Stormwater lines and improvements:** No activity to report for this period.

**Stormwater structures:** No activity to report for this period.

**Public utility lines traversing site:** No activity to report for this period.

**Utility structures without a building (e.g., electrical substation):** No activity to report for this period.

**Alterations to utility equipment (generator, other mechanicals):** No activity to report for this period.

**Site storage and construction staging areas:** Approximately 4.5 acres of the former Municipal Yard is being used by contractors working on large construction projects.

**Stream restoration projects:** No activity to report for this period.

**Greenways and other paved trails:** No activity to report for this period.

**Public art:** No activity to report for this period.

**Site clearing for any other purpose:** No activity to report for this period.

**Miscellaneous:** As identified in the November 2017 UNC Chapel Hill Board of Trustees' resolution, the Horace Williams Airport closed to the public May 15, 2018. Subsequently, the runway was closed in accordance with Federal Aviation requirements on May 16, 2018. UNC Hospital Air Care will use the airport for occasional helicopter parking and refueling through May 2019 while the hospital constructs additional helipad facilities outside of Chapel Hill.

## **Greenways**

**Report on examination and recommendations for a greenways partnership model comparable to public transit partnership:** No activity to report for this period.

**Report on potential locations and funding alternatives for campus-to-campus greenway and bike connection:** No activity to report for this period.

**Current status and funding of greenway connections at Carolina North (after greenways plan submitted with initial individual site development permit):**  
No activity to report for this period.

**Greenway improvements and document compliance with 5.16.14:** No activity to report during this period.

**Report on consideration of pedestrian connections to adjacent neighborhoods:** No activity to report during this period.

## **E. Waste Management**

The University currently provides trash and recycling services for all University-owned buildings, including buildings at Carolina North, and several leased properties. The recycling program covers a variety of materials and is continually evaluated for improvement and expansion. A representative from the University Office of Waste Reduction and Recycling is involved in project reviews and helps identify waste reduction, reuse, and recycling opportunities. Specifications detailing University and regulatory requirements regarding construction waste management and reporting are to be included in each project manual. Project

teams educate contractors about University, local, state and project-specific requirements; review and suggest changes to contractors' Solid Waste Management Plans; and collect waste reports from participating projects. Future construction projects and finished buildings will be managed and supported similarly. No fiscal impacts on the Town have been noted and waste management strategies have not been amended.

## **F. Recreation Areas**

**Study of feasibility and cost-sharing options for future joint-use recreation areas at Carolina North:** No activity to report for this period.

**Description of improvements for recreation areas and document compliance with 5.15.5:** No new recreational facilities or recreational areas were developed on the Carolina North property during the 2017-2018 fiscal year. The use of the Carolina North property for recreational purposes continues to thrive as residents of Chapel Hill, Carrboro and surrounding communities, make frequent and extensive use of the University's network of trails on the Carolina North property. Over 25 miles of trails are woven through the Carolina North Forest. The University, through its Forest Management Office Staff, facilitates cooperative use of the network of trails in the Carolina North Forest for the benefit of local schools, community organizations, and individual residents of Chapel Hill, Carrboro and the broader community.

## **G. Stream Buffers**

No activity to report for this period.

## **H. Tree Canopy**

The University is committed to proactive management of the Carolina North Forest and strives to maintain or increase the overall tree canopy of the tract. In the last year, canopy maintenance activities again focused on the removal of exotic, non-native, invasive or otherwise undesirable species to promote natural growth of the native canopy. As construction projects are planned, staff will assess the potential impacts on tree canopy with the objective of offsetting any loss in canopy.

## **II. 2018-2019 Development Schedule**

The Field Operations Building and modular unit are expected to remain at Carolina North through calendar year 2019. The University continues to use the Field Operations Building and modular building to address campus space needs since UNC Housekeeping moved to their permanent location in March 2018. The University will continue to reexamine the use of these facilities on an annual basis.

Originally slated for a spring 2018 installation, the University anticipates installing the solar and energy storage demonstration project within the boundary of the Development Area between December 2018 and February 2019. This nominal 500 KW ground-mounted PV array and associated equipment and batteries will be positioned southwest of the existing Horace Williams Airport runway, inside the fenced area and adjacent to Estes Drive Extension. This utility project is intended to be movable to accommodate future University development as permitted by the Development Agreement. Currently, the

University does not have immediate plans for additional development in this area that would disrupt the solar demonstration project.

**A. Public Information Meetings held**

- 9/6/2017 - UNC Semi-Annual Capital report to Town Council and Manager's compliance report to Town Council on Annual Report.
- 9/14/2017 - TOCH Annual Report Public Information Meeting.

### III. 2017-2018 Reportable Items Checklist

<b>DA Section</b>	<b>Topic</b>	<b>Subtopic</b>	<b>2018 AR Section (or reason for no report)</b>
4.14	Report demonstrating good faith compliance with terms of DA	Report demonstrating good faith compliance with terms of DA	Cover Letter
4.14 (& 5.27.4.a.)	Construction Activity	List of individual site development permits issued	No activity to report.
4.14 (& 5.27.4.a.)	Construction Activity	Building floor area constructed	No activity to report.
4.14 (& 5.27.4.a.)	Construction Activity	Infrastructure installed	No activity to report.
4.14 (& 5.27.4.a.)	Construction Activity	Status of University participation in provision of or financing of public infrastructure	No activity to report.
4.14 (& 5.27.4.a.)	Construction Activity	Infrastructure dedicated/acquired	No activity to report.
4.14 (& 5.27.4.a.)	Construction Activity	Projected schedule for CN development for following year	No activity to report.
5.4.2 (& 5.27.4.b.)	Housing	Units constructed	None See page 1 of 18.
5.4.2 (& 5.27.4.b.)	Housing	Estimated number of residents living in CN housing	None See page 1 of 18.
5.4.2 (& 5.27.4.b.)	Housing	Estimated number of FTE employees working on site at CN	See page 1 of 18.
5.5.2.e.1 (& 5.27.4.f.)	Land Use-Limited Development Area	Chilled water, steam, electric duct bank, water and telecom lines	No activity to report. See page 2 of 18.
5.5.2.e.2 (& 5.27.4.f.)	Land Use-Limited Development Area	Reclaimed water line (with OWASA)	No activity to report. See page 2 of 18.
5.5.2.e.3 (& 5.27.4.f.)	Land Use-Limited Development Area	Maintenance and improvements to existing utility lines	No activity to report. See page 2 of 18.

<b>DA Section</b>	<b>Topic</b>	<b>Subtopic</b>	<b>2018 AR Section (or reason for no report)</b>
<b>5.5.2.e.4 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Stormwater lines and improvements	No activity to report. See page 2 of 18.
<b>5.5.2.e.5 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Stormwater structures	No activity to report. See page 2 of 18.
<b>5.5.2.e.6 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Public utility lines traversing site	Routine maintenance See page 3 of 18.
<b>5.5.2.e.7 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Utility structures without a building (e.g., electrical substation)	No activity to report. See page 3 of 18.
<b>5.5.2.e.8 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Alterations to utility equipment (generator, or other mechanicals)	No activity to report. See page 3 of 18.
<b>5.5.2.e.9 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Site storage and construction staging areas	No activity to report. See page 3 of 18.
<b>5.5.2.e.10 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Stream restoration projects	No activity to report. See page 3 of 18.
<b>5.5.2.3.11 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Greenways and other paved trails	No activity to report. See page 3 of 18.
<b>5.5.2.e.12 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Public art	No activity to report. See page 3 of 18.
<b>5.5.2.e.13 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Site clearing for any other purpose	No activity to report. See page 3 of 18.
<b>5.5.2.f.2 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Alterations (but not expansion) in existing parking lots, including repaving, repaving, replanting for stormwater mitigation, or changing impervious to pervious pavement	No activity to report. See page 3 of 18.
<b>5.5.2.f.3 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Roads, internal service without exterior connections and not designed for vehicular circulation to serve buildings within CN developed area	No activity to report. See page 3 of 18.

<b>DA Section</b>	<b>Topic</b>	<b>Subtopic</b>	<b>2018 AR Section (or reason for no report)</b>
<b>5.5.2.f.4 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Exterior tennis and basketball courts	No activity to report. See page 3 of 18.
<b>5.5.2.f.5 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Athletic facilities and events that are not buildings and that do not involve land clearing or grading of more than 20,000 square feet.	See page 3 of 18.
<b>5.5.2.f.6 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Gazebos and other open-air shelters, parks, children's play areas, passive recreation features, and park site furnishings	No activity to report. See page 5 of 18.
<b>5.5.2.f.7 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Unpaved trail construction/maintenance (including volunteer work on paths, harvesting	See page 5 of 18.
<b>5.5.2.f.8 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Memorial gardens	No activity to report. See page 7 of 18.
<b>5.5.2.f.9 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Kiosks and benches	See page 7 of 18.
<b>5.5.2.f.10 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Incidental parking areas	No activity to report. See page 7 of 18.
<b>5.5.2.f.11 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Site furnishings (recycle containers, fixtures, blue lights)	No activity to report. See page 7 of 18.
<b>5.5.2.f.12 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Support facilities for special events (Tar Heel Town, concerts, etc.)	No activity to report. See page 7 of 18.
<b>5.5.2.f.13 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Demolitions	No activity to report. See page 7 of 18.
<b>5.5.2.f.14 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Landscaping activities	See page 7 of 18.
<b>5.5.2.f.15 (&amp; 5.27.4.f.)</b>	Land Use-Limited Development Area	Community gardens	No activity to report. See page 7 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.1)</b>	Land Use-Development Area	Chilled water, steam, electric duct bank, water and telecom lines	No activity to report. See page 7 of 18.

<b>DA Section</b>	<b>Topic</b>	<b>Subtopic</b>	<b>2018 AR Section (or reason for no report)</b>
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.2)</b>	Land Use- Development Area	Reclaimed water line (with OWASA)	No activity to report. See page 7 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.3)</b>	Land Use- Development Area	Maintenance and improvements to existing utility lines	No activity to report. See page 7 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.4)</b>	Land Use- Development Area	Stormwater lines and improvements	No activity to report. See page 7 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.5)</b>	Land Use- Development Area	Stormwater structures	No activity to report. See page 8 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.6)</b>	Land Use- Development Area	Public utility lines traversing site (Duke Energy, PSNC, etc.)	No activity to report. See page 8 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.7)</b>	Land Use- Development Area	Utility structures without a building (e.g., electrical substation)	No activity to report. See page 8 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.8)</b>	Land Use- Development Area	Alterations to utility equipment (generator, other mechanicals)	No activity to report. See page 8 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.9)</b>	Land Use- Development Area	Site storage and construction staging areas	See page 8 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.10)</b>	Land Use- Development Area	Stream restoration projections	No activity to report. See page 8 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.11)</b>	Land Use- Development Area	Greenways and other paved trails	No activity to report. See page 8 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.12)</b>	Land Use- Development Area	Public art	No activity to report. See page 8 of 18.
<b>5.5.3.d. (&amp; 5.27.4.g.) (tracking 5.5.2.e.13)</b>	Land Use- Development Area	Site clearing for any other purpose	No activity to report. See page 8 of 18.
<b>5.7.2 (&amp; 5.27.4.c.)</b>	Stormwater Cost- Sharing	Cost-sharing agreements (to be updated every three years)	The existing agreement has been updated to cover the 2018-2021 time frame.

<b>DA Section</b>	<b>Topic</b>	<b>Subtopic</b>	<b>2018 AR Section (or reason for no report)</b>
<b>5.8.7.a (&amp; 5.27.4.d.)</b>	Parking, Traffic and Transit	Current status of transit planning for CN Project and coordination within SRTP process	See page 1 of 18.
<b>5.8.11.b (&amp; 5.27.4.d.)</b>	Parking, Traffic and Transit	Coordination with Transportation Management Plan	See page 2 of 18.
<b>5.9.3 (&amp; 5.27.4.e.)</b>	Short Range Fiscal Plan	Actions taken to address recommendations in most recent SRFP	No activity to report. See page 2 of 18.
<b>5.10 (&amp; 5.27.4.h.)</b>	Carbon and Other Greenhouse Emissions	Greenhouse gas emissions and offsets updated biennially	No report required until two years after initial site development permit.
<b>5.11.3 (&amp; 5.27.4.i.)</b>	Water Use/Water Reclamation	Progress toward reductions of 20 percent indoor and 50 percent outdoor	No report is required, since no site development permit applications have been submitted.
<b>5.12 (&amp; 5.27.4.j.)</b>	Design Guidelines	Informational copy of any updates to Design Guidelines	No updates have been made to Design Guidelines.
<b>5.12.11 (&amp; 5.27.4.k.)</b>	Public Art	Update on plans, activities, implementation	There are no activities to report.
<b>5.15.4 (&amp; 5.27.4.o.)</b>	Recreation Areas	Study of feasibility and cost-sharing options for future joint-use recreation areas at CN	No report required.
<b>5.15.5 (&amp; 5.27.4.o.)</b>	Recreation Areas	Description of improvements for recreation areas and document compliance with 5.15.5	No new recreational facilities or recreational areas were developed on the CN property.
<b>5.16.1.b (&amp; 5.27.4.l.)</b>	Greenways	Report on examination and recommendations for a greenways partnership model comparable to public transit partnership	No activity.

<b>DA Section</b>	<b>Topic</b>	<b>Subtopic</b>	<b>2018 AR Section (or reason for no report)</b>
<b>5.16.2 (&amp; 5.27.4.l.)</b>	Greenways	Report on potential locations and funding alternatives for campus-to-campus greenway and bike connection	No activity.
<b>5.16.4 (&amp; 5.27.4.l.)</b>	Greenways	Current status and funding of greenway connections at CN (after greenways plan submitted with initial individual site development permit)	UNC has not submitted a site development permit.
<b>5.16.14 (&amp; 5.27.4.l.)</b>	Greenways	Greenway improvements and document compliance with 5.16.14	No activity.
<b>5.16.15 (&amp; 5.27.4.l.)</b>	Greenways	Report on consideration of pedestrian connections to adjacent neighborhoods	No activity.
<b>5.18 (&amp; 5.27.4.m.)</b>	Waste Management	Description of strategies/impacts	See page 9 of 18.
<b>5.19.5 (&amp; 5.27.4.p.)</b>	Airport Closing Assessment	Environmental impacts (after cessation of airport activities)	The Airport continues to operate with limited UNC Hospitals use through May 2019. See page 8 of 18.
<b>5.20.1 (&amp; 5.27.4.n.)</b>	Stream Buffers	Description of improvements and document compliance with 5.20	No activity.
<b>5.21.1</b>	Tree Canopy	Demonstration of best efforts to maintain or increase tree canopy	See page 11 of 18.