



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

2020 CAROLINA NORTH ANNUAL REPORT

REPORTING PERIOD: July 1, 2019 - June 30, 2020

Prepared by UNC-CH Facilities Planning & Design

8/28/2020

I. 2019-2020 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, 2019:

- 1 FTE employee at Horace Williams Airport
- 2 FTE employees at Carolina North Forest Management office
- 3 FTE employees at the Chapel Hill Police Department substation
- 8 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 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 moving forward with the North-South Bus Rapid Transit project along Martin Luther King, Jr. Boulevard from Eubanks Road in northern Chapel Hill to Southern Village in southern Chapel Hill. The transit improvements being developed, if funded, would serve Carolina North. An updated locally preferred alternative was selected by the Chapel Hill Town Council on

June 20, 2020, and the project is currently in the 30% engineering and NEPA 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: Routine maintenance on overhead lines by UNC Energy Services.

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:

- July-September 2019:
 - High School XC Training, Cedar Ridge XC Team
 - Child care, Tinkergarten, UNC Cross Country Training, Agourram/Performance Track & Fitness
 - Weekly runs, Trailheads
 - Meetup Rides, Triangle Off-Road Cyclists
- October-December 2019
 - Youth MTB Rides, Team Hammer/KOBRA, NCICL
 - Weekly runs, Trailheads
 - Meetup Ridge, Triangle Off Road Cyclists
- January-March 2020:
 - Mountain Bike Race, Steve Rogers
 - NROTC training, NROTC
 - Wayfinding & Response Training, SORS Training
 - Youth MTB Rides, Team Hammer/KOBRA, NCICL
 - UNC XC Team Training, UNC Athletics
 - Meetup Rides, Triangle Off Road Cyclists
- April-June 2020:
 - Weekly Runs, Trailheads
 - Meetup Rides, Triangle Off-Road Cyclists
 - Weekly Runs, Trailheads
 - Meetup Ridges, Triangle Off Road Cyclists

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.):

- July-September 2019:
 - Improved trail surface, Wormhole trail, UNC Staff
 - Improved trail surface, Neverland trail, UNC staff
 - Trail Refurbishment, general by UNC Staff
- October-December 2019:
 - Road Maintenance, Pumpkin Loop, Contracted Services
 - Road Maintenance, Municipal Drive, Contracted Services
 - Trail Relocation, on CBO near #7
 - Trail Refurbishment, spot locations, UNC Staff & Volunteers
- January-March 2020:
 - Trail Relocation, Neverland Outer Loop, UNC Staff & Volunteers
 - Trail Relocation, JL Buffer, Neverland Outer Loop, waypoint 19/Eagle Bridge, UNC Staff & Volunteers
 - Trail Refurbishment and Relocations, general by staff & volunteers
- April-June 2020:
 - Trail Refurbishment & Relocations, various locations, UNC Staff

Memorial gardens: No activity to report for this period.

Kiosks and benches: No activity to report for this period.

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.):

- July-September 2019:
 - Orienteering, BOK Meetup, Backwoods Orienteering Klub
 - Orienteering, ARDF Meet, Patrick & Kelly Sears

- UNC XC Invitational, UNC XC Classic, UNC Cross Country Club
- October-December 2019:
 - Community Fun Run, Pumpkin Run, Fleet Feet
 - BSA 20-mile Hike, Boy Scouts of America, Troop 65, Saxaphaw
- January-March 2020:
 - UNC XC Team Training, UNC Athletics
- April-June 2020:
 - Orienteering, Back Woods Klub Meetup, BOK
 - Orienteering, ARDF Meet, The Sears Family
 - XC Training, Performance Track and Fitness

Demolitions: No activity to report for this period.

Landscaping activities: No activity to report for this period.

Community gardens: No activity to report for this period.

Miscellaneous activities: No activities to report for this period.

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. The UNC Carolina Air Care ceased use of the Airport for occasional helicopter parking and refueling as of June 30, 2020.

E. 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.

F. 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.

G. 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 2019-2020 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 residents of Chapel Hill, Carrboro, and the broader community.

H. Stream Buffers

No activity to report for this period.

I. 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 fiscal 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. 2020-2021 Development Schedule

A. Upcoming Projects

- a. The Field Operations Building and modular unit are expected to remain at Carolina North through calendar year 2021. 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.
- b. 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 in 2021. 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.

B. Public Information Meetings held

- 9/10/2019 - TOCH Annual Report Public Information Meeting.
- 9/25/2019 - UNC Semi-Annual Capital report to Town Council and Manager's compliance report to Town Council on Annual Report.

III. 2019-2020 Reportable Items Checklist

DA Section	Topic	Subtopic	2018 AR Section (or reason for no report)
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 16.
5.4.2 (& 5.27.4.b.)	Housing	Estimated number of residents living in CN housing	None See page 1 of 16.
5.4.2 (& 5.27.4.b.)	Housing	Estimated number of FTE employees working on site at CN	See page 1 of 16.
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 16.
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 16.
5.5.2.e.3 (& 5.27.4.f.)	Land Use-Limited Development Area	Maintenance and improvements to existing utility lines	Routine maintenance. See page 2 of 16.

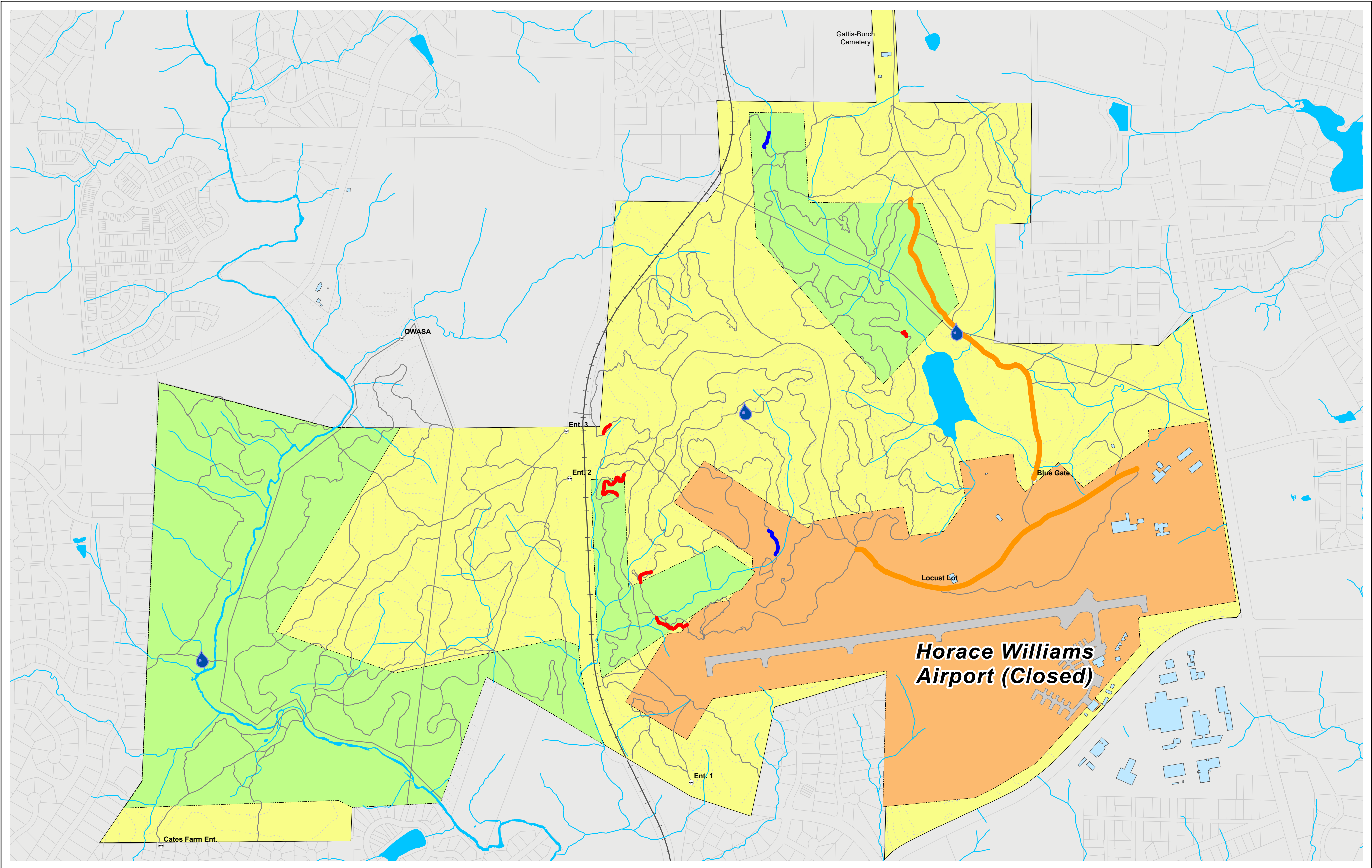
DA Section	Topic	Subtopic	2018 AR Section (or reason for no report)
5.5.2.e.4 (& 5.27.4.f.)	Land Use-Limited Development Area	Stormwater lines and improvements	No activity to report. See page 2 of 16.
5.5.2.e.5 (& 5.27.4.f.)	Land Use-Limited Development Area	Stormwater structures	No activity to report. See page 2 of 16.
5.5.2.e.6 (& 5.27.4.f.)	Land Use-Limited Development Area	Public utility lines traversing site	Routine maintenance See page 2 of 16.
5.5.2.e.7 (& 5.27.4.f.)	Land Use-Limited Development Area	Utility structures without a building (e.g., electrical substation)	No activity to report. See page 3 of 16.
5.5.2.e.8 (& 5.27.4.f.)	Land Use-Limited Development Area	Alterations to utility equipment (generator, or other mechanicals)	No activity to report. See page 2 of 16.
5.5.2.e.9 (& 5.27.4.f.)	Land Use-Limited Development Area	Site storage and construction staging areas	No activity to report. See page 2 of 16.
5.5.2.e.10 (& 5.27.4.f.)	Land Use-Limited Development Area	Stream restoration projects	No activity to report. See page 2 of 16.
5.5.2.3.11 (& 5.27.4.f.)	Land Use-Limited Development Area	Greenways and other paved trails	No activity to report. See page 2 of 16.
5.5.2.e.12 (& 5.27.4.f.)	Land Use-Limited Development Area	Public art	No activity to report. See page 2 of 16.
5.5.2.e.13 (& 5.27.4.f.)	Land Use-Limited Development Area	Site clearing for any other purpose	No activity to report. See page 2 of 16.
5.5.2.f.2 (& 5.27.4.f.)	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 16.
5.5.2.f.3 (& 5.27.4.f.)	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 16.

DA Section	Topic	Subtopic	2018 AR Section (or reason for no report)
5.5.2.f.4 (& 5.27.4.f.)	Land Use-Limited Development Area	Exterior tennis and basketball courts	No activity to report. See page 3 of 16.
5.5.2.f.5 (& 5.27.4.f.)	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 16.
5.5.2.f.6 (& 5.27.4.f.)	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 4 of 16.
5.5.2.f.7 (& 5.27.4.f.)	Land Use-Limited Development Area	Unpaved trail construction/maintenance (including volunteer work on paths, harvesting	See page 4 of 16.
5.5.2.f.8 (& 5.27.4.f.)	Land Use-Limited Development Area	Memorial gardens	No activity to report. See page 4 of 16.
5.5.2.f.9 (& 5.27.4.f.)	Land Use-Limited Development Area	Kiosks and benches	See page 4 of 16.
5.5.2.f.10 (& 5.27.4.f.)	Land Use-Limited Development Area	Incidental parking areas	No activity to report. See page 4 of 16.
5.5.2.f.11 (& 5.27.4.f.)	Land Use-Limited Development Area	Site furnishings (recycle containers, fixtures, blue lights)	No activity to report. See page 4 of 16.
5.5.2.f.12 (& 5.27.4.f.)	Land Use-Limited Development Area	Support facilities for special events (Tar Heel Town, concerts, etc.)	No activity to report. See page 4-5 of 16.
5.5.2.f.13 (& 5.27.4.f.)	Land Use-Limited Development Area	Demolitions	No activity to report. See page 5 of 16.
5.5.2.f.14 (& 5.27.4.f.)	Land Use-Limited Development Area	Landscaping activities	See page 5 of 16.
5.5.2.f.15 (& 5.27.4.f.)	Land Use-Limited Development Area	Community gardens	No activity to report. See page 5 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.1)	Land Use-Development Area	Chilled water, steam, electric duct bank, water and telecom lines	No activity to report. See page 5 of 16.

DA Section	Topic	Subtopic	2018 AR Section (or reason for no report)
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.2)	Land Use- Development Area	Reclaimed water line (with OWASA)	No activity to report. See page 5 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.3)	Land Use- Development Area	Maintenance and improvements to existing utility lines	No activity to report. See page 5 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.4)	Land Use- Development Area	Stormwater lines and improvements	No activity to report. See page 5 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.5)	Land Use- Development Area	Stormwater structures	No activity to report. See page 5 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.6)	Land Use- Development Area	Public utility lines traversing site (Duke Energy, PSNC, etc.)	No activity to report. See page 5 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.7)	Land Use- Development Area	Utility structures without a building (e.g., electrical substation)	No activity to report. See page 5 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.8)	Land Use- Development Area	Alterations to utility equipment (generator, other mechanicals)	No activity to report. See page 5 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.9)	Land Use- Development Area	Site storage and construction staging areas	See page 6 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.10)	Land Use- Development Area	Stream restoration projections	No activity to report. See page 6 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.11)	Land Use- Development Area	Greenways and other paved trails	No activity to report. See page 6 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.12)	Land Use- Development Area	Public art	No activity to report. See page 8 of 16.
5.5.3.d. (& 5.27.4.g.) (tracking 5.5.2.e.13)	Land Use- Development Area	Site clearing for any other purpose	No activity to report. See page 6 of 16.
5.7.2 (& 5.27.4.c.)	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.

DA Section	Topic	Subtopic	2018 AR Section (or reason for no report)
5.8.7.a (& 5.27.4.d.)	Parking, Traffic and Transit	Current status of transit planning for CN Project and coordination within SRTP process	See page 1 of 16.
5.8.11.b (& 5.27.4.d.)	Parking, Traffic and Transit	Coordination with Transportation Management Plan	See page 2 of 16.
5.9.3 (& 5.27.4.e.)	Short Range Fiscal Plan	Actions taken to address recommendations in most recent SRFP	No activity to report. See page 2 of 16.
5.10 (& 5.27.4.h.)	Carbon and Other Greenhouse Emissions	Greenhouse gas emissions and offsets updated biennially	No report required until two years after initial site development permit.
5.11.3 (& 5.27.4.i.)	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.
5.12 (& 5.27.4.j.)	Design Guidelines	Informational copy of any updates to Design Guidelines	No updates have been made to Design Guidelines.
5.12.11 (& 5.27.4.k.)	Public Art	Update on plans, activities, implementation	There are no activities to report.
5.15.4 (& 5.27.4.o.)	Recreation Areas	Study of feasibility and cost-sharing options for future joint-use recreation areas at CN	No report required.
5.15.5 (& 5.27.4.o.)	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.
5.16.1.b (& 5.27.4.l.)	Greenways	Report on examination and recommendations for a greenways partnership model comparable to public transit partnership	No activity.

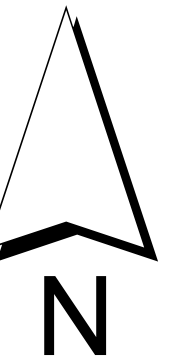
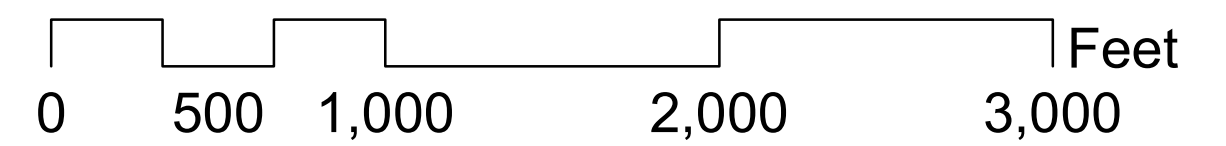
DA Section	Topic	Subtopic	2018 AR Section (or reason for no report)
5.16.2 (& 5.27.4.l.)	Greenways	Report on potential locations and funding alternatives for campus-to-campus greenway and bike connection	No activity.
5.16.4 (& 5.27.4.l.)	Greenways	Current status and funding of greenway connections at CN (after greenways plan submitted with initial individual site development permit)	UNC has not submitted a site development permit.
5.16.14 (& 5.27.4.l.)	Greenways	Greenway improvements and document compliance with 5.16.14	No activity.
5.16.15 (& 5.27.4.l.)	Greenways	Report on consideration of pedestrian connections to adjacent neighborhoods	No activity.
5.18 (& 5.27.4.m.)	Waste Management	Description of strategies/impacts	See page 6-7 of 16.
5.19.5 (& 5.27.4.p.)	Airport Closing Assessment	Environmental impacts (after cessation of airport activities)	The Airport continues to operate with limited UNC Hospitals use through June 2020. See page 6 of 16.
5.20.1 (& 5.27.4.n.)	Stream Buffers	Description of improvements and document compliance with 5.20	No activity.
5.21.1	Tree Canopy	Demonstration of best efforts to maintain or increase tree canopy	See page 7-8 of 16.



Carolina North Forest Activities, 2019-2020



- Water Quality Improvements
- Trail Surface Improvement
- Campus Development Area
- Road Resurfacing and Grading
- Existing Roads and Trails
- Trail Relocation
- Conservation Area



Date: 8/19/2020