



THE UNIVERSITY  
*of* NORTH CAROLINA  
*at* CHAPEL HILL

# 2011 Carolina North Annual Report

Public Information Meeting

September 13, 2011

# 2011 Carolina North Annual Report Public Information Meeting

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## Agenda

### **Introductions**

### **2010-2011 Annual Report**

### **Current and Upcoming Projects**

### **2011-2012 Development Schedule**

### **Questions**

<http://www.fpc.unc.edu>



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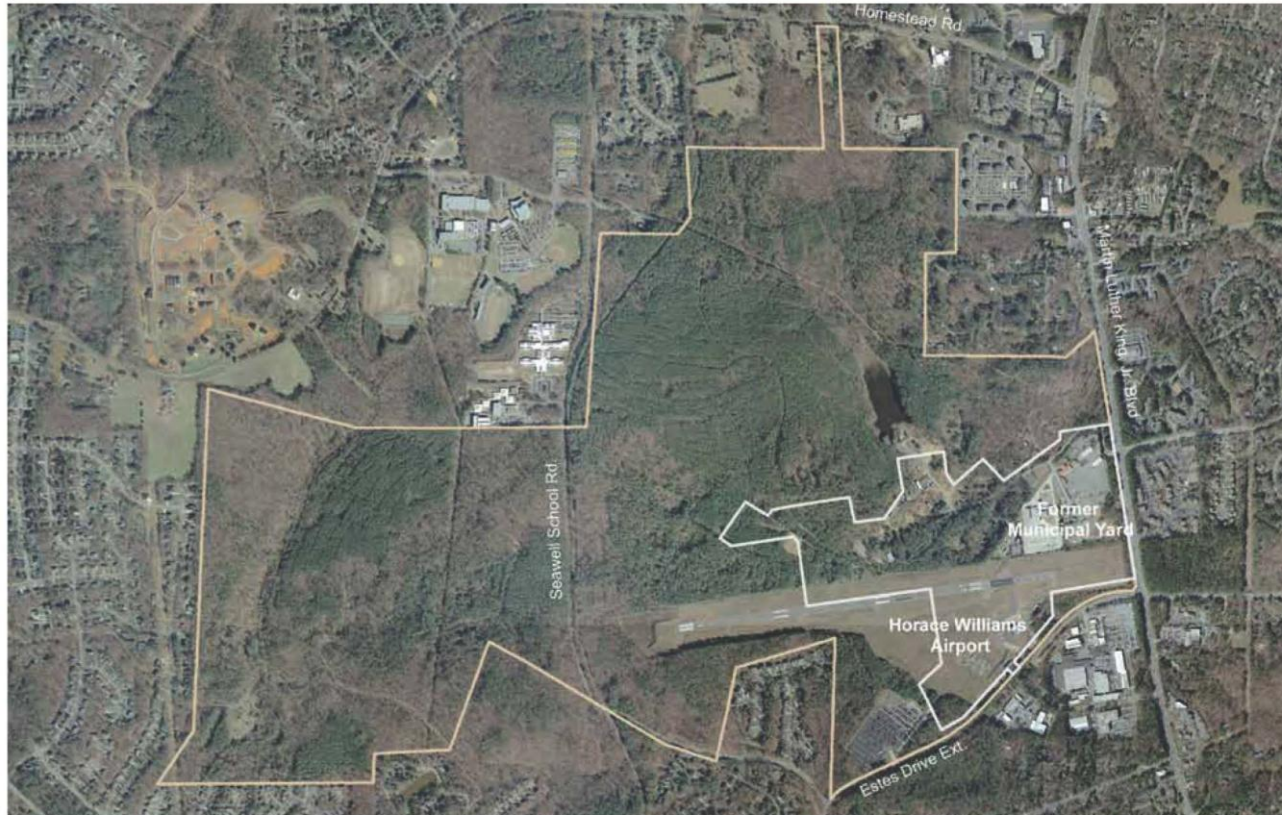


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CAROLINA NORTH DEVELOPMENT AGREEMENT  
ANNUAL REPORT  
SEPTEMBER 1, 2011



# Carolina North



Existing Conditions

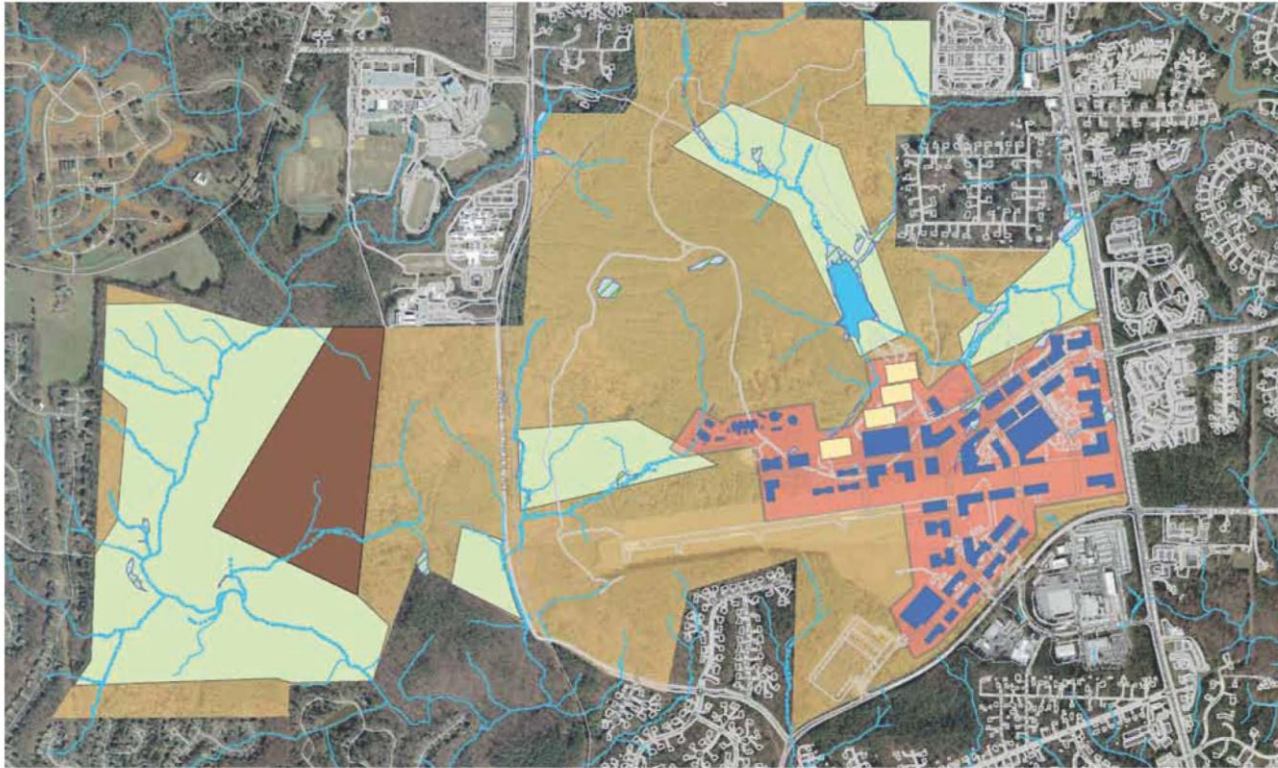
Legend

-  Carolina North Surveyed Boundary
-  Development Agreement Boundary



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# Carolina North



Development Agreement Plan

Legend

- |  |                                    |                              |                            |
|--|------------------------------------|------------------------------|----------------------------|
| Limited Development Area 50 years                      | Limited Development Area 100 Years | Existing Roads and Buildings | Proposed Recreation Fields |
| Development Area                                       | Wetlands                           | Proposed Buildings           |                            |
| Conservation Area as depicted in Development Agreement | Streams                            | Proposed Road                |                            |





# 2010-2011 Activities

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## **Bolin Creek Bridge**

Construction completed and bridge open to public in May 2011



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# 2010-2011 Activities



*Log benches overlooking Crow Branch impoundment*



*Trail maintenance*



*TriWheel mountain bike race*

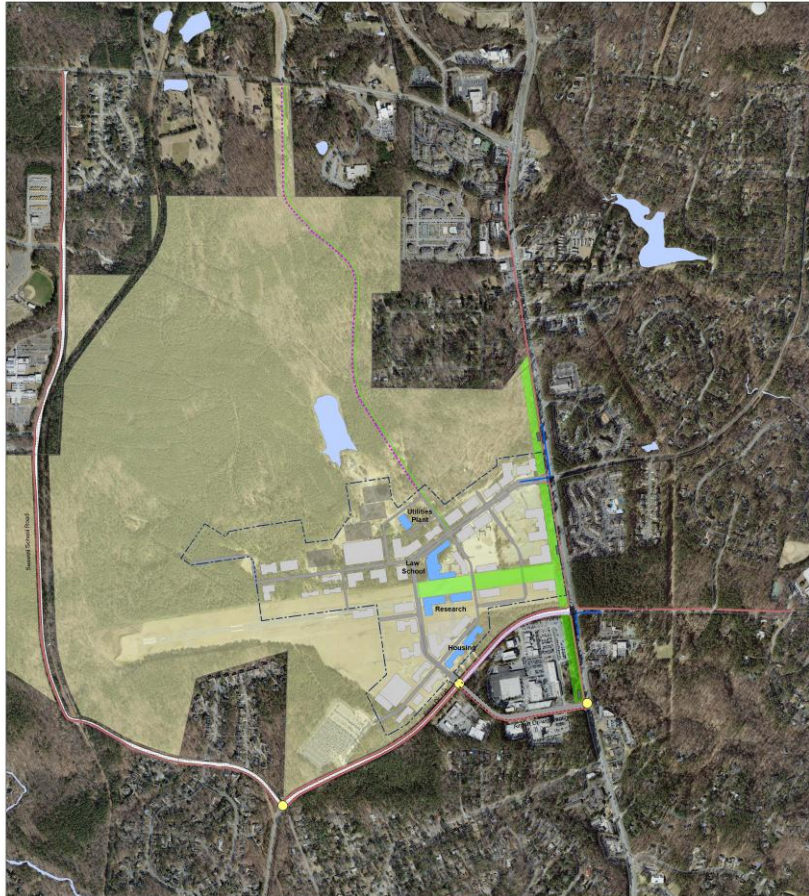


*K-9 Officer Training by the Chapel Hill Police Department (March 2011)*





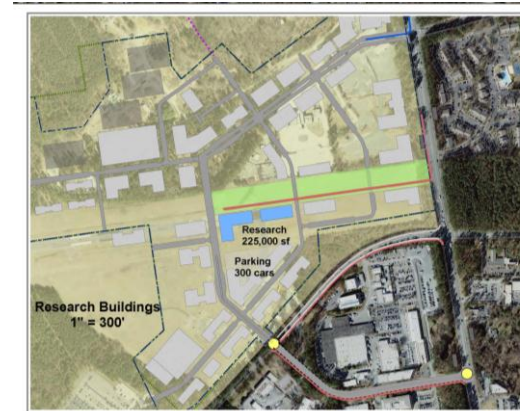
# Projected Development: first 800,000 square feet



Carolina North  
800,000 Square Feet



400 Feet



Research Building and Infrastructure



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- Buildings - first 800,000 sq. ft.
- Paved Parking
- Open Space
- Proposed Road (both water and sewer)
- Greenways
- Sidewalk Improvements
- Open Water
- Existing Buildings
- Proposed Fields
- UNC Parcel minus Facilities Complex
- Bike Lane Improvements
- - - - Realigned Airport Dr.
- - - - Development Agreement Boundary
- - - - Carolina North Tract Map
- Traffic Signal Improvements
- - - - Utility Corridor - gas, water, ductbank
- - - - Proposed Airport Dr. realignment
- Bus Shelter
- Proposed Buildings
- Railroad
- Carolina North Phase 1 - Proposed Roads

9 September 2011



# 2011-2012 Development Schedule

Infrastructure

Design commenced in June 2011

Research Building

Design to commence in October 2011

## Carolina North Research Building and Infrastructure



400 Feet

- Buildings - final 800,000 sq. ft.
- Paved Parking
- Open Space
- Proposed Road (with water and sewer)
- Greenways
- Bidewalk Improvements
- Open Water
- Existing Buildings
- Proposed Fields
- UNC Panel minus Facilities Complex
- Bike Lane Improvements
- Realigned Airport Dr.
- Development Agreement Boundary
- Carolina North Tract Map
- Traffic Signal Improvements
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9 September 2011



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# 2010-2011 Activities

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## Construction of Med-Air Hangar at RDU

- Med-Air operations relocated at end of July 2011



Med-Air hangar at RDU airport

## Conservation Areas

- Field survey to describe general character and ecological features



*Forest in Conservation Area #4*



*Meadow in Conservation Area #6*





# 2010-2011 Activities

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## Army Corps Individual Permit Application

- For wetland and stream impact based on 50-year development
- Public information meeting Nov 16, 2010
- Application submitted January 2011
- Copy posted on UNC Carolina North Website:  
<http://fpc.unc.edu>.



*Wetland in Conservation Area at Carolina North*

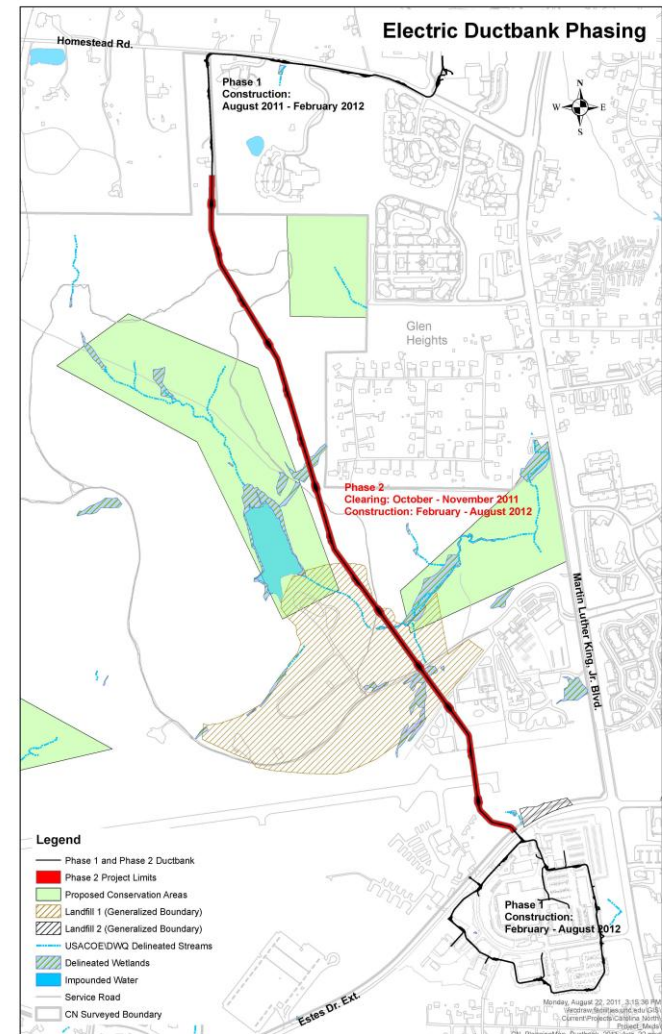


# 2011-2012 Development Schedule: Current Activities

## Ductbank and Greenway Construction

The ductbank will provide more reliable power to Giles Horney Building Complex and Administrative Office Building. A paved greenway will be constructed on top of the ductbank when construction is complete.

Nationwide permit received from Army Corps of Engineers	July 2011
Phase One construction	Aug 2011-Aug 2012
Phase Two early site clearing	Oct - Nov 2011
Phase Two construction	Feb 2012 – Aug 2012
Greenway construction (Homestead Rd. to Municipal Drive)	Fall 2012





# Forest Character along ductbank route



1 - South of panhandle



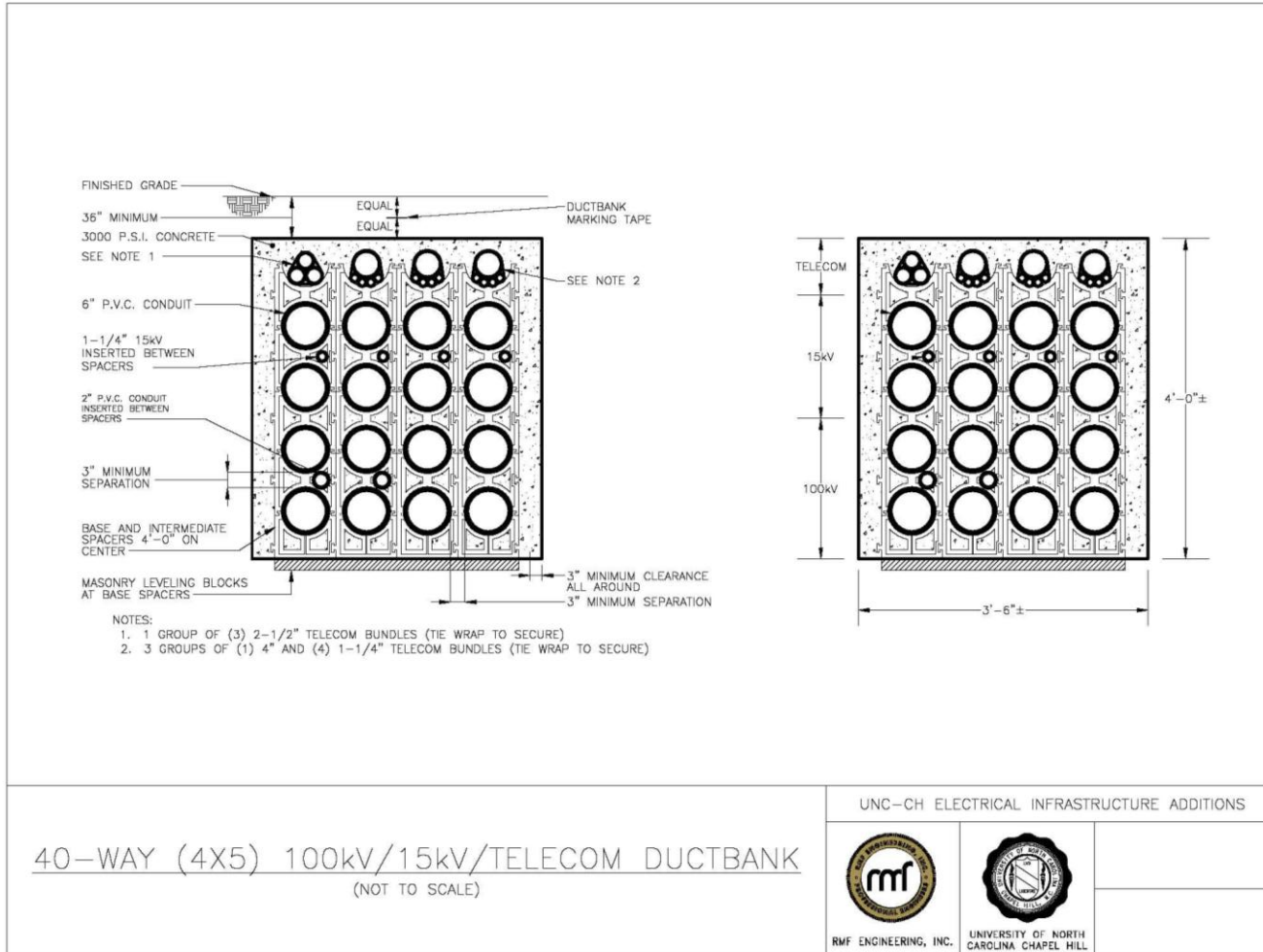
2 - South of Pumpkin Loop



3 - East of Impoundment



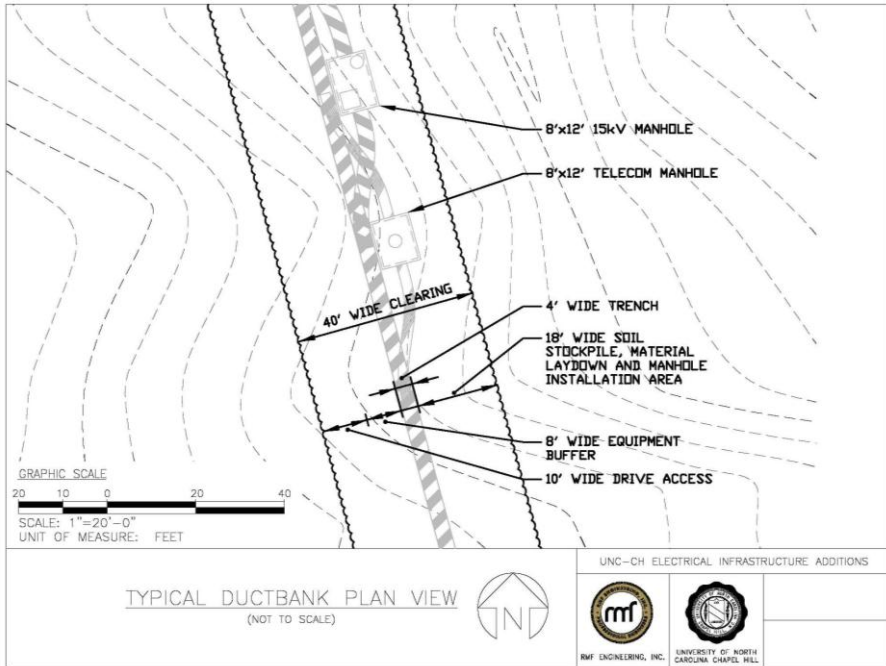
# Ductbank Construction Details



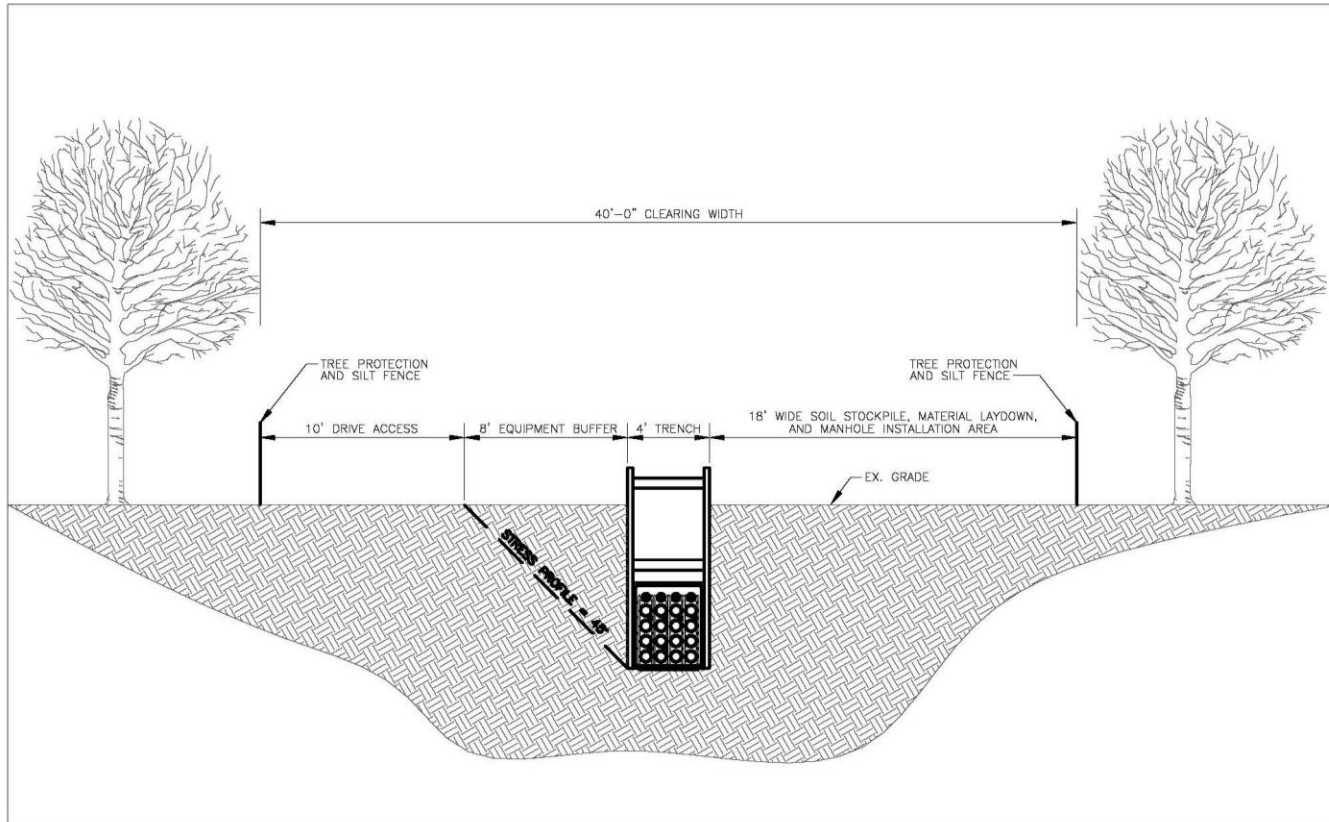
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# Ductbank Construction Details



# Ductbank Construction



TYPICAL DUCTBANK CONSTRUCTION SECTION VIEW  
(NOT TO SCALE)

UNC-CH ELECTRICAL INFRASTRUCTURE ADDITIONS



RMF ENGINEERING, INC.



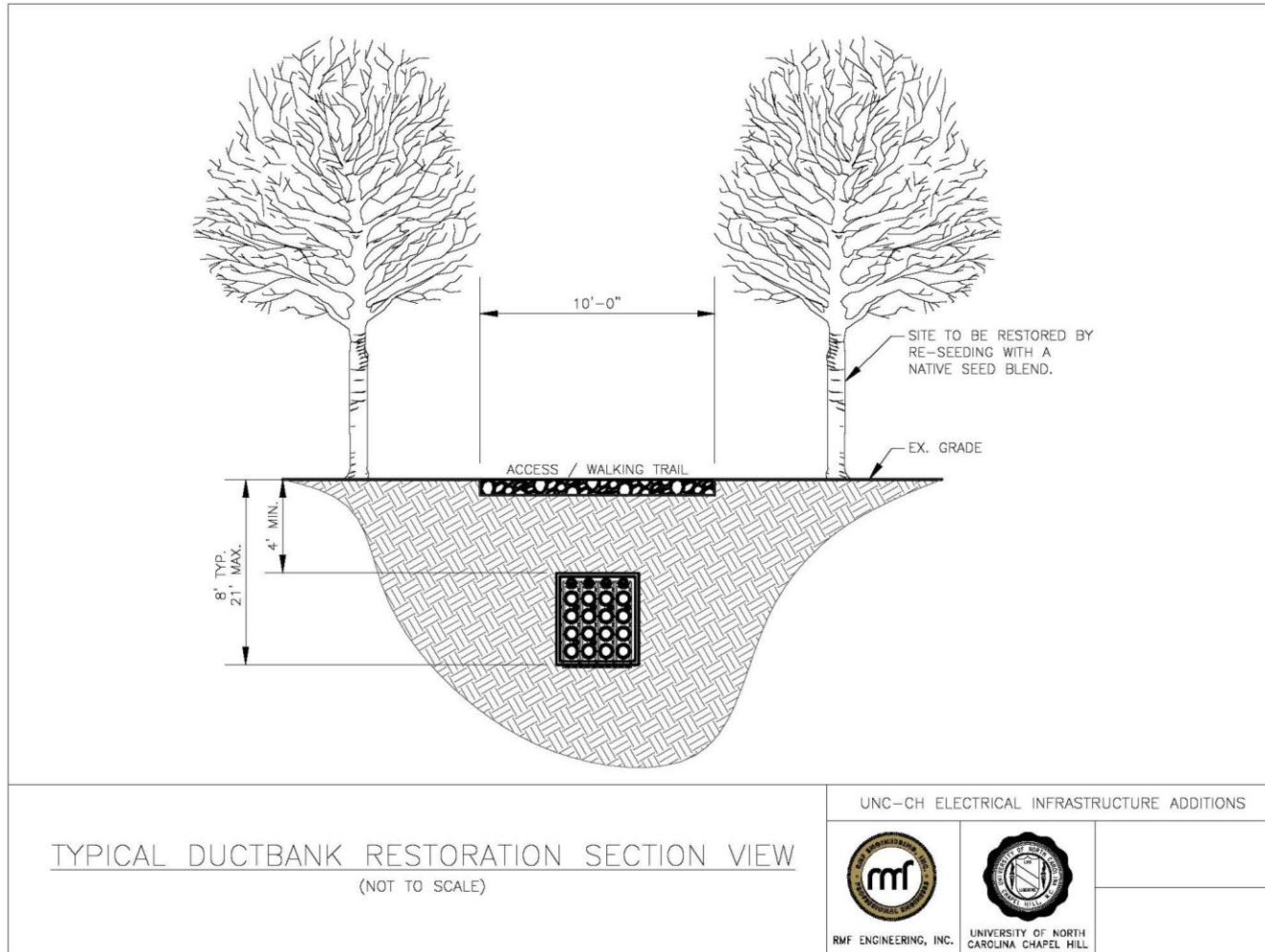
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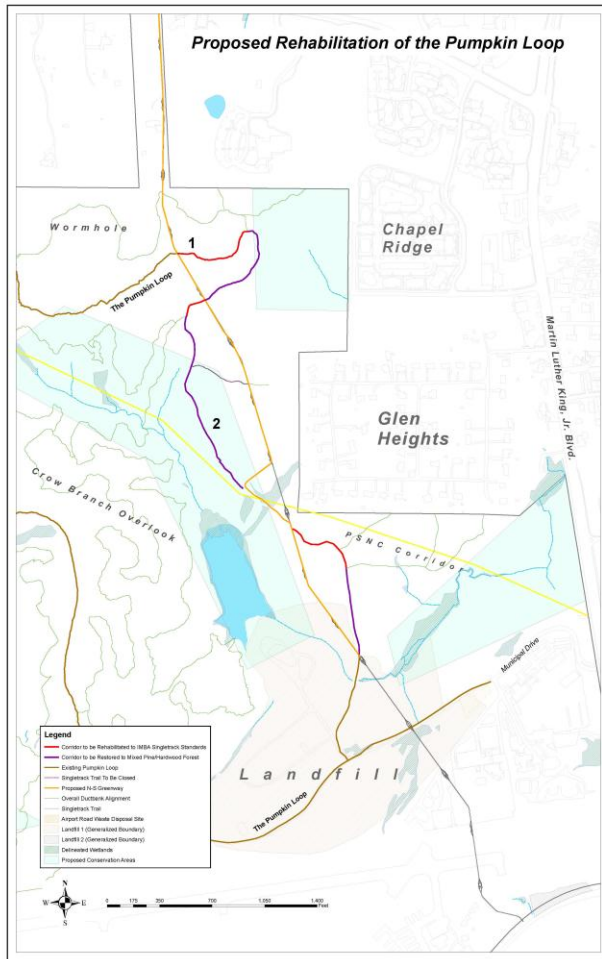


# Ductbank After Construction with Greenway Above



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# Trail Restoration/Reforestation



1



Rehabilitate the existing Pumpkin Loop service road corridor to IMBA standards for sustainable singletrack.



Corridor several years after rehabilitation.



Rehabilitation complete.

2



Re-vegetate the existing Pumpkin Loop service road corridor to mixed pine/hardwood forest composed of native species.





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# Questions



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