Agenda

1) General Overview

2) Development Agreement:
   - First Periodic Assessment Report
   - Minor Modification (2012-1) – Improvements to ecological value and connectivity of Conservation Areas

3) Project Phasing

4) US Army COE Individual Permit

5) Current Projects:
   - Electrical Ductbank
   - Eubanks Landfill Gas Project
   - Greenway
   - Collaborative Science Building
   - Carolina North Infrastructure Phase 1
   - Old Municipal Landfill Status
Carolina North
Carolina North

- **What is Carolina North?**
  - 947 acres of land owned by the University

- **What will it be?**
  - Mixed-use academic campus
  - Extension of the main campus

- **What does it mean to the University?**
  - Provide space for necessary growth
  - Enable new activities and relationships
  - Enhance research mission
50-year Development Plan

Carolina North Plan

THE UNIVERSITY of NORTH CAROLINA at CHAPEL HILL
Carolina North Development Agreement Plan
First Periodic Assessment Report

The development agreement requires that the Town and the University provide a periodic assessment of the overall effectiveness of the development agreement.

Town and University staff have prepared the assessment and is available at: www.townofchapelhill.org/carolinanorth.

Town Council and Board of Trustees reviewed assessment and agreed to the timing of the next assessment.
Minor Modification 2012-1
Realignment of the Conservation Areas

Approximate Acreage:

<table>
<thead>
<tr>
<th>Area</th>
<th>Acres</th>
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</thead>
<tbody>
<tr>
<td>Crow Branch Conservation Area (Areas 1-2)</td>
<td>51</td>
</tr>
<tr>
<td>Bolin Creek East Conservation Area (Area 4)</td>
<td>24</td>
</tr>
<tr>
<td>Bolin Creek West Conservation Area (Areas 3-5-6A)</td>
<td>183</td>
</tr>
<tr>
<td>Bolin Creek 100-year Limited Development Area (Area 6B)</td>
<td>53</td>
</tr>
</tbody>
</table>
Projected Development: First 800,000 square feet
US Army Corps of Engineers
Individual Permit

The University has received approval of the Individual Permit Application required by the US Army Corps of Engineers before development at Carolina North.

The permit is available at:
http://carolinanorth.unc.edu/NewsandUpdates/PlansReportsStudies.aspx
2011-2012 Development Schedule: Electrical Ductbank (Electrical Infrastructure Additions)

**Ductbank (Electrical Infrastructure Additions) Construction**

The ductbank will provide more reliable power to Giles Horney Building Complex and Administrative Office Building.

- Nationwide permit received from Army Corps of Engineers: July 2011
- Phase One construction: Aug 2011 - Dec 2012
- Phase Two early site clearing: Oct - Nov 2011
- Phase Two construction: May 2012 - Mar 2013
- Phase Two temporary overhead line construction: To be Completed by Mar 2013
- Phase Three construction: TBD
Electrical Ductbank (Electrical Infrastructure Additions)
Phase One Photos

Excavators and rock removal equipment working in tandem with dump trucks.

Heavy Equipment moving through the job site.
Temporary Closure of Portions of Pumpkin Loop

Construction has begun on the second phase of the utility ductbank across Carolina North, causing portions of the Pumpkin Loop running trail that cross the construction area to be closed temporarily for safety reasons.

For the latest information on trail use during the construction period, check the Carolina North Forest Facebook page (https://www.facebook.com/pages/Carolina-North-Forest/179464238759273) or signs on site at the information kiosks and along the trails.
Pumpkin Loop Photos

Damaged construction fences and erosion control devices
Pumpkin Loop Photos

Damaged trail closing sign
2011-2012 Development Schedule: Eubanks Landfill Gas Project

**Landfill Gas Pipe Construction Phasing**

The pipe brings landfill gas from Eubanks Road to a generator located at Carolina North. The electricity generated there will connect to the Duke Energy power grid at a point on Martin Luther King, Jr. Blvd. Eventually, heat will be recovered from the generator to be used to heat buildings at Carolina North.

Phase One: collection system at Eubanks Rd.
Sept 2010 - Jan 2012

Phase Two: pipe from Eubanks Rd. to Homestead Rd.
May - Sept 2012

Phase Three: pipe from Homestead Rd. to generator (with ductbank) and generator installation
Feb 2012 - Sept 2012

Landfill to close June 2013
Eubanks Landfill Gas Project
Phase One Photos

Gas collection system completed at north landfill
Completed Gas treatment plant
Eubanks Landfill Gas Project
Phase Two Photo

Gas pipe ready to be installed along Weaver Dairy Road Extension
2011-2012 Development Schedule: Carolina North Greenway

A paved greenway will extend through the area shown in green. The area shown in dashed lines indicates a temporary connection to Municipal Drive.

Greenway completion: Mid March 2013

- Accessible corridor
- Existing trees to remain
- Original path to be re-vegetated
Development Schedule:
Collaborative Science Building & Infrastructure Phase 1/Central Utility Plant

Infrastructure................................. Design: June 2011 – May 2013
Construction: June 2013 – April 2014

Central Utility Plant......................... Design: July 2012 – Aug. 2013

Old Municipal Landfill Status

The existing landfill site characterization study is underway. NC Inactive Hazardous Sites Branch will assist in the characterization activities, determine the landfill boundary and future site use, and develop the “Remedial Action Plan”.

Characterization Aug 2012 – Jan 2013

Remedial Action Plan To be completed
Development Summer 2013
For further information

Carolina North:
http://www.carolinanorth.unc.edu

Capital Improvement Projects:
Landfill Gas Project
Electrical Infrastructure Additions (ductbank)
http://www.fpc.unc.edu

Project Permits:
http://fpc.unc.edu/Projects/CurrentPermits.aspx

Carolina North Forest Website:
http://www.fac.unc.edu/FacilitiesServicesHome/GroundsServices/CarolinaNorthForest.aspx

Carolina North Forest Facebook Page:
http://tinyurl.com/4484tgz
Questions: