Agenda

1) Welcome/General Overview
2) Development Agreement:
   - 2012 Annual Report
   - Conservation Areas
   - Restrictive Covenants
3) Signs for Conservation Areas
4) Third Party Monitor
5) Land Stewardship Policy
6) Current Projects:
   - Electrical Ductbank
   - Greenway
   - Eubanks Landfill Gas Project
   - Generator
   - Collaborative Science Building
   - Carolina North Infrastructure Phase 1
   - Old Municipal Landfill Status
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
Carolina North  50 Year Master Plan
Project Development: First 800,000 SF
2012 Annual Report

CAROLINA NORTH DEVELOPMENT AGREEMENT

Annual Report | September 1, 2012

Carolina North Annual Reports:
http://carolinanorth.unc.edu/NewsandUpdates/PlansReportsStudies
Restrictive Covenants

- Development
- Adjustment of areas approved by TOCH
- Survey of areas
- Approved by Council of State
Conservation Areas – Signs

- Establish boundaries
- Project Status

CAROLINA NORTH BOLIN CREEK EAST CONSERVATION AREA

For information contact:
forestmanager@facilities.unc.edu

Sign example
Conservation Areas – Third Party Monitor

- Triangle Land Conservancy

- Scope of Services

- TLC contact: Bo Howes @: rhowes@triangleland.org
Land Stewardship Policy

- **Purpose**
- **Areas included**
- **Living document**
- **Policy can be viewed at:**
Current Projects: 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
Homestead Road Area Complete
Giles F Horney Complex Jan – April 2013

Phase Two early site clearing Complete
Phase Two construction Complete
Phase Two temporary overhead line construction To be Completed by April 2013
Phase Three construction TBD
Current Projects: Electrical Ductbank (Electrical Infrastructure Additions) Phase 2

Ductbank installation north of Airport

Ductbank installation across Airport runway
Current Projects: Carolina North Greenway

A paved greenway will be constructed between Homestead Road and a crossing of the Pumpkin Loop Trail shown below. The area shown in dashed lines indicates a temporary connection to Municipal Drive.

Greenway completion April 2013
Carolina North Greenway at Homestead Road

- Greenway aligned to meet Homestead Rd. intersection
- Gated entry for service access
- Gated entry for private drive

- 10’ wide Greenway pedestrian connection to intersection
- Stormwater device
- 10’ Greenway path

Service access
Current Projects:
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. North Landfill Collection System - Complete South Landfill Collection System - May 2013 Landfill to close June 2013

Phase Two: pipe from Eubanks Rd. to Homestead Rd. Complete

Phase Three: pipe from Homestead Rd. to generator (with ductbank) and generator installation Complete
Eubanks Landfill Gas Project

Gas collection system at Eubanks Landfill

New generator at Carolina North
Current Projects: Collaborative Science Building & Infrastructure Phase 1/Central Utility Plant
Current Projects: Old Municipal Landfill Status

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

Investigation  Aug 2012 – March 2013
Remedial Plan Development  To be completed by Winter 2013
For further information

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

Carolina North Annual Reports:
http://carolinanorth.unc.edu/NewsandUpdates/PlansReportsStudies

Carolina North Land Stewardship Policy:

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:
carolinanorthforest.unc.edu

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