

# DURHAM NEIGHBORHOOD COLLEGE

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2018  
PRESENTATION OF  
DURHAM COUNTY GOAL AREA 4  
ENVIRONMENTAL STEWARDSHIP

Deputy Director of Engineering and Environmental Perri Manns

## GOAL 4

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### DEPARTMENTS

- City-County Planning
- City-County GIS
- City-County Inspections
- Economic Development
- County Engineering
- Soil & Water Conservation District
- Register of Deeds



**ENVIRONMENTAL STEWARDSHIP AND  
COMMUNITY PROSPERITY**



THIS LANDOWNER  
IS REDUCING  
FERTILIZER USAGE  
VOLUNTARY NUTRIENT  
REDUCTION PROGRAM

DURHAM  
SOIL & WATER  
www.dconc.gov/swed 919-560-0558

## GOAL STATEMENT

Protect natural resources and support and promote community and economic vitality for all residents of Durham County.



#### **GOAL 4**

- This goal is dedicated to fostering a high quality of life for the community through a clean environment and diversified economic opportunities.
- The County provides progressive utility, storm-water, open space and sustainability programs to protect and enhance its natural resources.



## OBJECTIVES

- 1) Natural Resource Stewardship and Protection – Protection and steward natural resources through comprehensive compliance and educational programs
- 2) Community Prosperity – Promote and support the community and economic vitality for all residents



## **OBJECTIVES**

3) Development and Community Services – Provide responsive and efficient services to promote community prosperity, smart growth and quality development for all residents of Durham County.

Hub farmer,  
Hub farmer,  
What do  
you see?



BEAVER



XING "Cedar the Beaver"



Key strengths in this goal area include the County's efforts to promote smart growth by providing high-quality public infrastructure, such as utility systems, Soil & Water Conservation, energy conservation and Open Space Programs.



The County also continues to demonstrate its commitment to a high-quality built environment by creating strong policy standards such as Greenhouse Gas Emissions reduction targets and High Performance Building Policy with LEED Certification requirements. Durham County currently has (9) LEED Certified Buildings.



According to U.S News & World News Report, Durham and neighboring communities are recognized as one of the best places to live in the United States. Vogue Magazine deemed Durham “North Carolinas hippest city.” Home to Research Triangle Park, one of the most high tech research areas in the Country, CNBC dubbed Durham the “Startup Capital of the South” with its thriving startup culture.



**CITY OF  
DURHAM**



**DURHAM  
COUNTY**

### **CITY-COUNTY INSPECTIONS**

Department Function - To provide a cost effective level of service designed to assure the adequate protection of the health and safety of the citizens of the City and County of Durham through assertive enforcement of the various State Building, Electrical, Plumbing and Mechanical Codes and local Zoning Ordinances.

William "Gene" Bradham - Inspections Director



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# Planning

## **CITY-COUNTY PLANNING**

Department Function – The Durham City/County Planning Department is committed to excellent public service and enhancing the quality of life in Durham by guiding its growth and preserving its cultural heritage and natural resources.



## **CITY-COUNTY PLANNING**

Development Services Center – The DSC is a collaboration between City-County Planning, City-County Inspections, and City Public Works. The DSC provides a central place to ask questions and get answers about all things development-related.

Unified Development Ordinance



## **CITY-COUNTY PLANNING**

Comprehensive Plan – The comprehensive Plan is scheduled to be updated as future information will be forthcoming about public engagement pursuant to this update

Patrick Young, Planning Director



## **CITY-COUNTY GEOGRAPHIC INFORMATION SYSTEMS**

Department Function – Durham (GIS) is dedicated to providing customers with access to computerized information such as tables, maps, plans and other graphic documents through expert implementation of the principles of geography, cartography and geospatial analysis



## **CITY-COUNTY GEOGRAPHIC INFORMATION SYSTEMS**

City and County departments work side by side to develop applications which include land records information, streets centerlines, hydrology, digital aerial photography and more.

Marcus Bryant - GIS Manager

# DURHAM SOIL & WATER



## **SOIL & WATER CONSERVATION DISTRICT**

Mission Statement – To conserve, enhance and promote the natural resources of Durham County by providing technical assistance, environmental education information and economic incentives to County citizens and by exhibiting a diversified program to meet its changing needs.



## **SOIL & WATER CONSERVATION DISTRICT**

The District is a governmental subdivision of the State; a public body organized in accordance with the provisions of Chapter 139 of the General Statutes of North Carolina and is subject to the powers and restrictions as outlined in G.S. 139.



## **SOIL & WATER CONSERVATION DISTRICT**

Vision Statement - To address all natural resources on every acre in Durham County in a way that will benefit the environment, wildlife, its people, and the natural resources themselves, plus produce and environmentally conscious group of citizens who will set a trend of conserving, enhancing and promoting our natural resource base.

Eddie Culberson - Director of Soil and Water Conservation



# Register of Deeds

## **REGISTER OF DEEDS**

The mission of the Register of Deeds is to act as legal custodian of all land titles and all land transaction documents in Durham County. We will provide a level of service to the citizens, legal professionals, and other office users that is exemplary and state of the art for the industry.



# Register of Deeds

## Real Estate

El registro de Actos

### **REGISTER OF DEEDS**

As legal custodian of land transactions and other miscellaneous documents, the ROD office files and records deeds, deeds of trust, uniform commercial codes (UCCs), corporations, assumed names, military records, and other legal papers; registers delayed birth records and issues marriage licenses; and administers the oath to notaries public. The ROD has the responsibility of indexing and cross indexing all documents filed.

Sharon Davis – Register of Deeds



## **ENGINEERING & ENVIRONMENTAL SERVICES - 6 DIVISIONS**

Department Function - The mission of the Durham County Engineering and Environmental Services Department is to protect regional water quality through the administration of the sewer use, storm-water and erosion control ordinances; to improve County facilities through the management of capital projects; and to preserve natural and scenic lands, farms and forests.

# WATER SHED

What is Water Shed?

A shed with water in it.



NO.

A water shed is all of the land



What you see here is a beautiful clean water shed.

We impact our water shed. If we pollute our water shed it will not just affect us, it can affect people in the same water shed as us. That is why we need to protect our ground water.

that drains into the same body of water.  
There are water sheds everywhere including at schools. It is also water sheds at your house and in the soil under your feet.

What You see here is a beautiful clean water shed. Ero river, local pond, and Little River Lake all drain into the North Carolina River. There are water sheds everywhere. It is also water sheds at your house and in the soil under your feet.

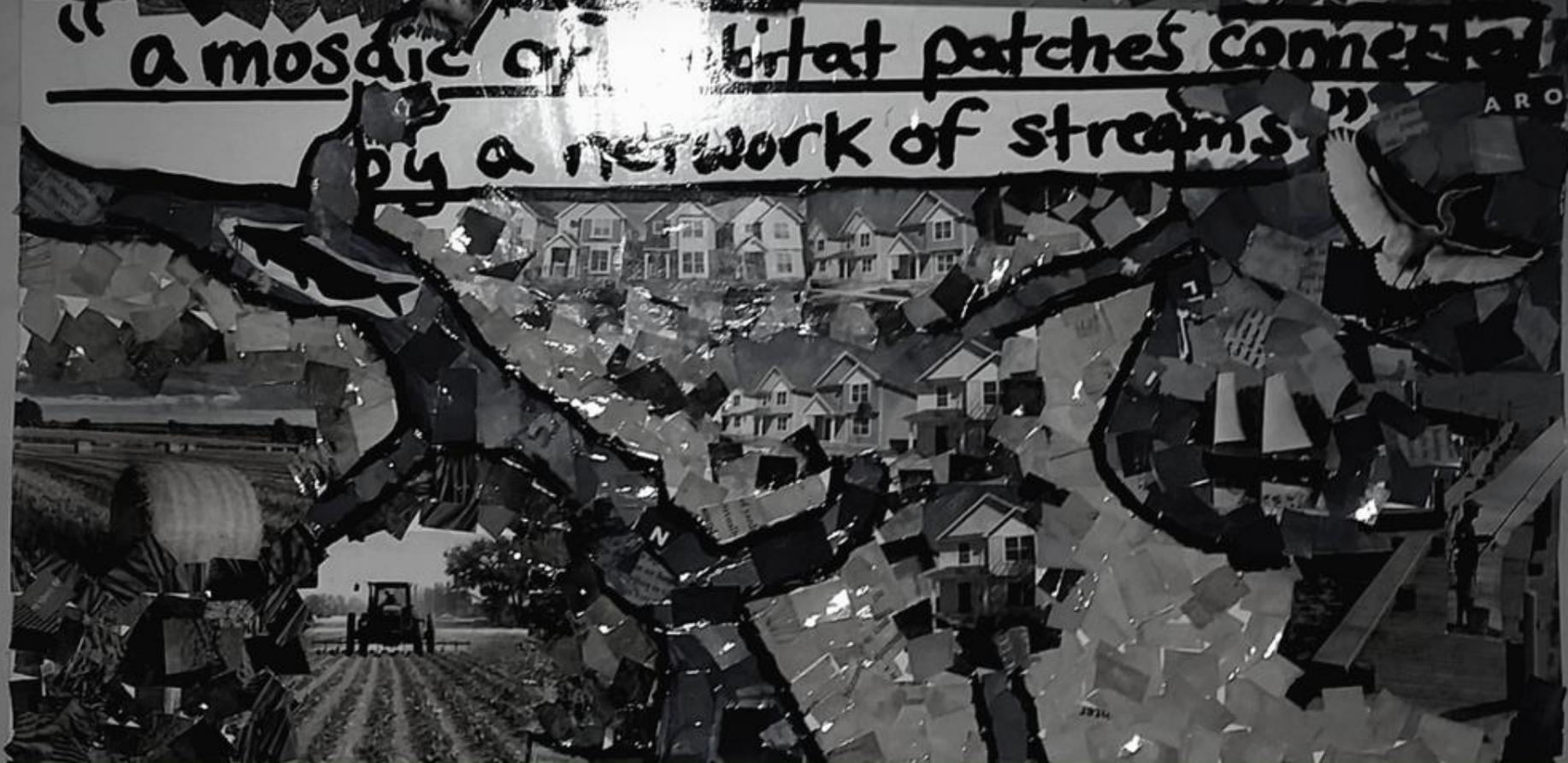
## ENGINEERING & ENVIRONMENTAL SERVICES STORM-WATER & EROSION CONTROL

The Durham County Storm-water and Erosion Control Division administers and enforces the sedimentation and erosion control sections 3.8, 12.10 and 15.5 of the Durham City/County Unified Development Ordinance and Durham County Storm-water Ordinance.



**ENGINEERING & ENVIRONMENTAL SERVICES  
STORM-WATER & EROSION CONTROL**

A state - delegated local program, it includes all privately funded, non-agricultural land-disturbing activities of more than 12, 000 square feet in both the City of Durham and the unincorporated areas of Durham County. The program conducts plan reviews, issues land disturbing permits, and inspects all permitted - projects for compliance.



## **ENGINEERING & ENVIRONMENTAL SERVICES STORM-WATER & EROSION CONTROL**

The Storm-water Program is responsible for administering the Durham County Storm-water Ordinance which applies to all unincorporated areas of Durham County. The Program is responsible for enforcing the Neuse River, Falls Lake, and Jordan Lake nutrient management rules through development reviews including flood control, water quantity,



## **ENGINEERING & ENVIRONMENTAL SERVICES STORM-WATER & EROSION CONTROL**

The Program is responsible for enforcing the Neuse River, Falls Lake, and Jordan Lake nutrient management rules through development reviews including flood control, water quantity, and water quality control measures.

Ryan Eaves, Storm-water & Sedimentation and Erosion Division Manager



## **OPEN SPACE & REAL ESTATE**

The Open Space and Real Estate Division is responsible for the implementation of the County Open Space and Farmland Protection program. Staff implements the County Open Space Corridor Plans by working with landowners, non-profit agencies, public agencies and other stakeholders in the protection of identified lands, natural resources and waterways to improve the quality of life for all Durham County citizens.



## **OPEN SPACE & REAL ESTATE**

Staff is also responsible for the development of public recreation areas on County owned Open Space properties that included major parks, natural areas, nature trails and other recommendations of the Open Space Plans and work with interested farmers to draft farmland conservation easements.

Jane Korest, Open Space and Real Estate Division Manager



## **SUSTAINABILITY OFFICE**

The mission of the Durham City/County Sustainability Office is to help protect and improve the County's and community environmental management particularly related to greenhouse gas emissions through wise use of natural resources by providing guidance and resources to City and County employees, businesses and residents.



## **SUSTAINABILITY OFFICE**

Greenhouse Gas Emissions Reduction Plan – adopted in 2007, sets ambitious goals for reducing greenhouse gas emissions by government and the community by 2030.

Tobin Freid, Sustainability Manager



## **ECONOMIC DEVELOPMENT**

Key responsibilities will focus on facilitating relationships with partners that bring quality jobs to the County, helping to identify the most effective strategies to improve the workplace pipeline for County residents, and ensuring Durham County remains a vibrant, economically-sound community.

Andrew Miracle, Economic Development Officer



## UTILITIES DIVISION

The Utility Division supports the missions of the County and EES Department through the operation of the wastewater utility and a water utility. The flagship of the wastewater utility is the Triangle Wastewater Treatment Plant (TWWTP).



## UTILITIES DIVISION

This facility is rated for an average daily flow of 12 million gallons per day and serves the southeast portion of Durham County inside and outside the Durham City limits, and serves the Research Triangle Park areas in Durham County.

Stephanie Brixey, Deputy Director of EES/ POTW Director



## **PROJECT MANAGEMENT DIVISION**

This division is responsible for managing the planning, design and construction of capital improvement projects related to County owned facilities. Projects included major renovations and new construction. The Capital Improvement Program adopted by the BOCC in 2016 includes projects recommended in the Space Needs Analysis and Facility Master Plan which is currently being updated.

James Faress, Project Management Division Manager

# QUESTIONS & ANSWERS

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MANAGING  
— FOR —  
RESULTS  
DURHAM COUNTY



ENVIRONMENTAL  
STEWARDSHIP

DCo  
STRATEGIC  
PLAN

LET US KNOW  
WHAT YOU THINK ABOUT GOAL 4

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DEPUTY DIRECTOR OF ENGINEERING AND  
ENVIRONMENTAL SERVICES

**Peri Manns**

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