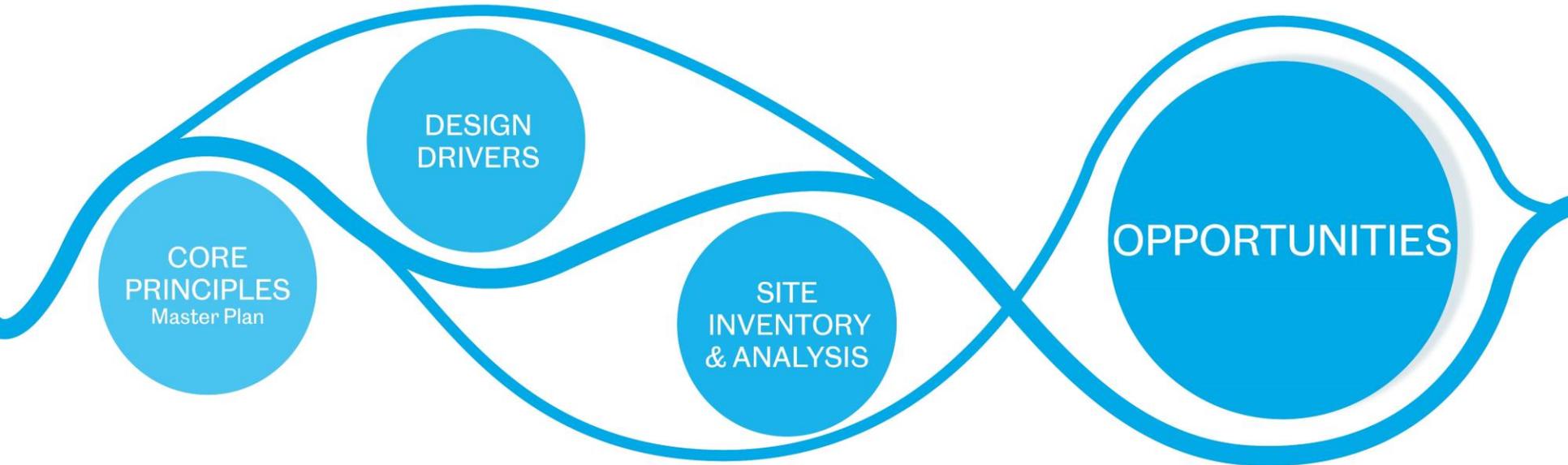


Rocky Branch Creek Enhancement Update



ROCKY BRANCH ENHANCEMENT PROJECT

FEASIBILITY STUDY



CORE PRINCIPLES

OPEN UP AND CONNECT

BUILD FROM WHAT IS THERE

SOMETHING FOR EVERYONE

CONCEPT DESIGN DRIVERS

EVALUATION CRITERIA

ECOLOGY

- Stream Restoration
- Habitat Restoration
- Complexity/Diversity
- Riparian Buffer Improvement
- Water Quality/Temperature/Dissolved Oxygen
- Stream Aesthetics
- Stormwater Management

ENGAGEMENT

- STEAM Education Opportunities
- "Nature" Escapes
- Activity at Edges
- Spaces for Wellness/Healing
- Accessibility to Stream
- Accessible/Safe/Inclusive
- Spaces for Creative Expression

CONNECTIVITY

- Access downtown
- Access to Walnut Creek Trail
- Access to Pullen Park
- Gateway opportunities

REUSE/REHABILITATION

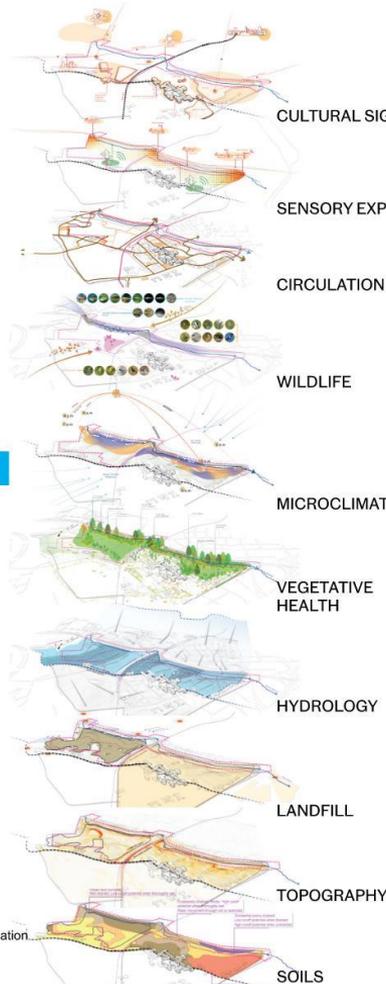
- Vegetation Preservation
- View preservation
- Utility infrastructure reuse
- Landfill rehab
- Landfill material reuse

CONSTRAINTS / COSTS

- Culvert Replacement Costs
- Landfill Waste & Soil Management Costs
- Landfill Leachate & Groundwater Management
- Landfill Gas Management
- Environmental Stormwater & Sediment Management
- Pre-Regulatory Unit Regulatory Coordination
- Geotechnical/Total and Differential Landfill Settlement
- Environmental Operations, Maintenance, and Monitoring
- Facility Maintenance (Post Occupancy)
- Railroad Collaboration
- Potential for Adverse Flood Impacts
- Permit Risk
- Compliance with Transportation Objectives
- Utility Relocation Cost
- Central Prison Collaboration
- Potential offsite Environmental Concerns
- Landbridge landing at gas station and UST Section Regulatory Coordination
- Landbridge not landing at gas station



SITE INVENTORY



CULTURAL SIGNIFICANCE

SENSORY EXPERIENCE

CIRCULATION

WILDLIFE

MICROCLIMATE

VEGETATIVE HEALTH

HYDROLOGY

LANDFILL

TOPOGRAPHY

SOILS

ANALYSIS & OPPORTUNITIES

OPEN UP AND CONNECT

- Leverage proximity to adjacent assets
- Enhance Gateway potential
- Enliven park edge
- Promote connectivity

BUILD FROM WHAT IS THERE

- Restoration
- Reuse
- Rehabilitation
- Resiliency
- Reflect region's ecosystems

SOMETHING FOR EVERYONE

- Celebrate Dix Park's cultural landscapes
- Create "Nature Escapes"
- Dynamic spaces



OPEN UP AND CONNECT



BUILD FROM WHAT IS THERE

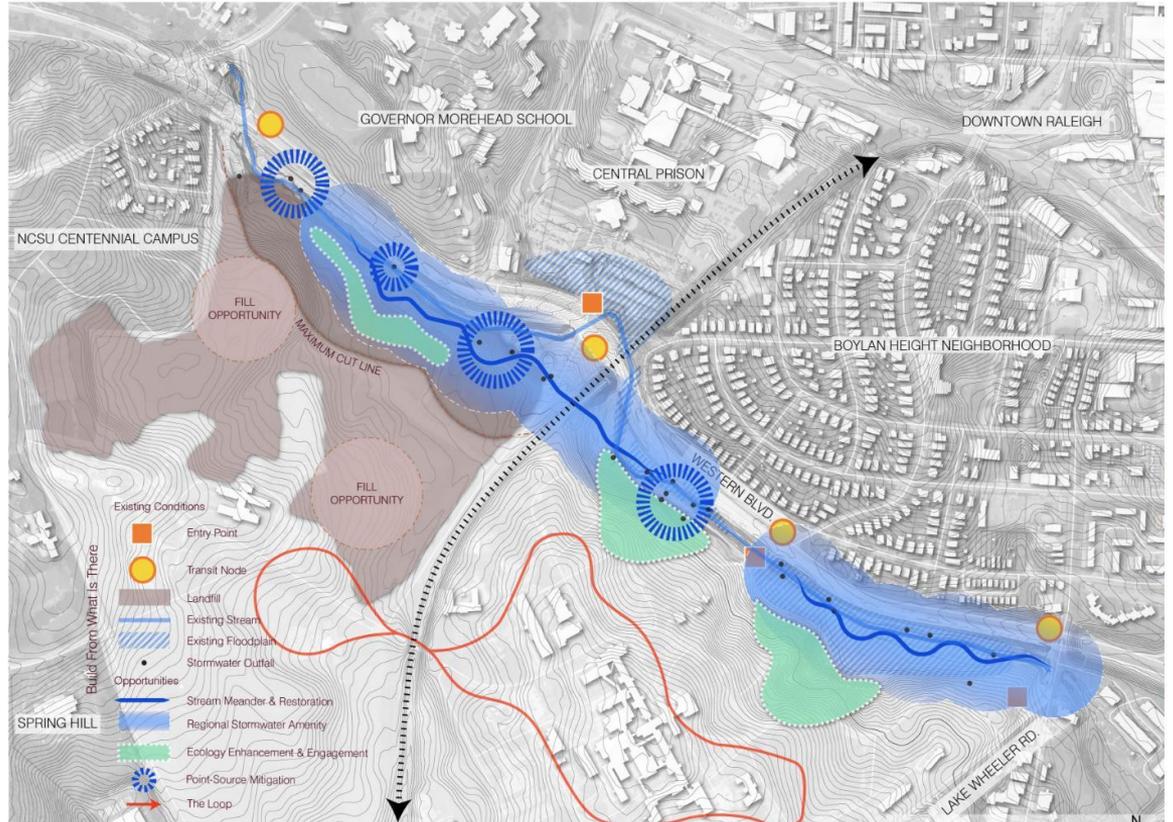


SOMETHING FOR EVERYONE

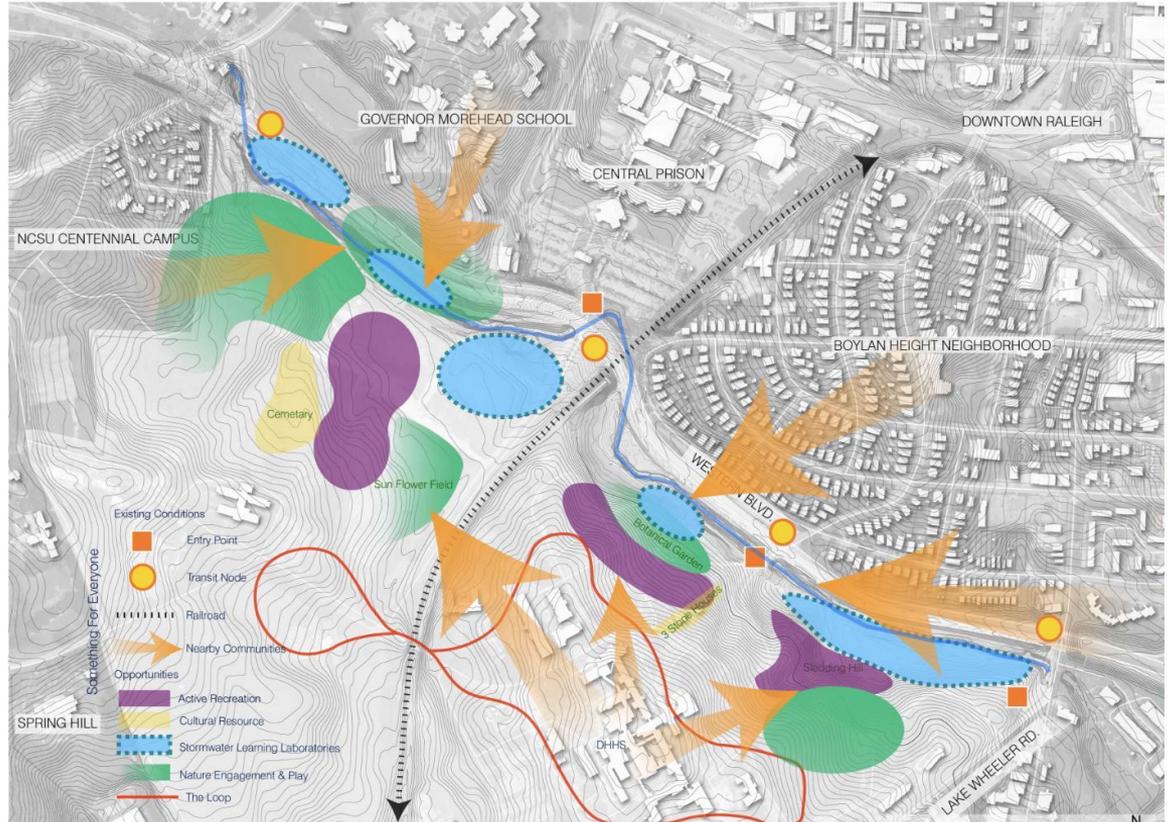
OPEN UP AND CONNECT



BUILD FROM WHAT IS THERE



SOMETHING FOR EVERYONE



Overall Program



- STORMWATER MANAGEMENT
- PIEDMONT ECOLOGY ENGAGEMENT
- ACTIVE RECREATION

Stormwater Management

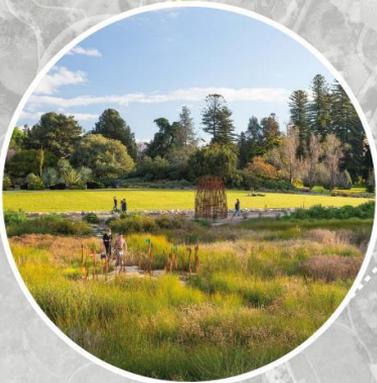


SYCAMORE WETLAND

BIO-RETENTION



TERRACED WETLANDS
GARDEN WETLANDS



PERCHED WETLANDS

Piedmont Ecology Engagement



Active Recreation



ACTIVITY
LAWN



PLAY
FIELDS



PICNIC



ART
RAMBLE



BOULDER
SCRAMBLE



NATURE
PLAY



EXERCISE
PAD



SLEDDING
HILL

EXERCISE
PAD

Overall Plan - A





High Point
with a View

Hillside
Pollinator
Meadows

Multiuse
Fields

Stormwater
Wetland

Western Boulevard

Greenway

Hillside Hangout

Overlook to
Regional Ecologies

Rocky
Branch

Riparian Buffer

Stormwater
Management
Amenities

Greenway

Vegetated
Buffer

Greenway

Governor Morehead
School to Pullen Park



Meadows

High Point
with a View

Multiuse
Fields

Natur Play

Western
Boulevard

Boardwalk
and
Overlook

Stormwater
Wetland

Overlook

Boardwalk

Stormwater
Wetland

Hunt Drive

Floodplain Bench

Greenway

Top of Bank

Rocky
Branch

Top of Bank

Floodplain Bench

Surface

Overall Plan - B



Overall Plan - C

