

## REQUEST FOR BOARD ACTION

### HENDERSON COUNTY BOARD OF COMMISSIONERS

**MEETING DATE:** December 4, 2023

**SUBJECT:** Vendor Selection for Engineering Services for Jackson Park Feasibility and Engineering Study

**PRESENTER:** Betsy Gerwig, SWCD Conservation Engineer

**ATTACHMENTS:**

- I. Request for Qualifications
- II. Robinson Design Engineers Qualifications

#### **SUMMARY OF REQUEST:**

The Board is requested to approve the selection of the qualified engineering firm chosen to provide engineering services for Jackson Park Feasibility and Engineering Study. A request for qualifications was issued between November 6, 2023, and November 17, 2023. Three qualifying submissions were received. Based on the review by SWCD and PR staff, and a SWCD Board Member, the most qualified firm was Robinson Design Engineers. The Henderson County Soil & Water Conservation District Board approved the selection at the November 30, 2023, meeting.

#### **BOARD ACTION REQUESTED:**

The Board is requested to accept the selection of Robinson Design Engineers to provide engineering services for Jackson Park Feasibility and Engineering Study and to authorize staff to enter into negotiations with the selected firm.

#### ***Suggested Motion:***

I move the Henderson County Board of Commissioners to accept the selection of Robinson Design Engineers to provide engineering services for Jackson Park Feasibility and Engineering Study and to authorize staff to enter into negotiations with the selected firm.

### **Section 1: Purpose**

The Henderson County Board of Commissioners is soliciting services from qualified engineering firms to provide feasibility and engineering evaluation of Jackson Park in Hendersonville, NC.

### **Section 2: Scope of Work**

The Jackson Park (Park) Feasibility and Engineering Study is a study of Mud Creek, Bat Fork, and associated drainage ditches within the Park to identify ways to improve stormwater management, floodplain connectivity, wetlands, recreational opportunities, and stream restoration at Jackson Park (Park), Henderson County, NC.

Jackson Park is the largest County owned park, nearly 200 acres, in Henderson County. It offers a variety of amenities from picnic shelters to various ball fields. Every week, the park is hosting multiple events, whether it is baseball, softball or soccer games or other events like Farm City Day or cross-country races. Unfortunately, all the soccer fields are located within the 100-year Floodplain and floods about six times per year. As a result, many of the walking trails and bird viewing areas and soccer fields are unusable or inaccessible for a week or more. Trails and fields are often left with several inches of mud on top, which must be removed for the safety of visitors. Play is typically limited for about a week after a flooding event. The Park sits between two large streams, Mud Creek, and Bat Fork Creek. In addition, there are two historic drainage ditches on the property with wetlands dappled throughout. Wetlands are also present in the low-lying areas, but the connectivity to the drainage ditches and streams is disorganized and limits the ecological potential of the site. There are several berms remaining from past farming practices which inhibit drainage of floodwater from the park. Beavers have also become a nuisance by building dams in numerous places throughout the Park. Because of these limitations, the Board of Commissioners has tasked staff to develop a plan for improvements by means of a Feasibility and Engineering Study of Jackson Park.

The study will evaluate existing conditions, stormwater runoff and management, potential floodplain, stream, and wetland improvements and recreational opportunities. Due to a long-time presence of beavers within the Park, consideration of how to manage beavers within the Park should be included.

### **Section 3: Proposal Requirements**

Proposals shall include the following information:

1. **Introduction:** A brief description and financial viability of the firm, and its program of services.
2. **Team Experience and Availability:** Identify key staff members and describe your experience in designing comparable projects. This section should include any previous experience working with local, state, and federal government. Include examples of similar projects completed by the project team, and a list of all references. For each project listed, please include the name of the entity and the name and contact information of the person who would be familiar with the work performed.

Note: A personnel change cannot be made without prior written notice and approval by Henderson County.

3. **Team Organization:** Provide an organizational flow chart of the project team, annotated with a description of relevant qualifications possessed by key personnel. Identify the project lead and that person’s availability. If applicable, please describe coordination and relationships with subconsultants.
4. **Project Approach:** A statement of your firm’s project approach to addressing the proposed scope of services outlined in this document. Include potential challenges, expected issues of concern, and a proposed schedule of completing the tasks identified within the RFQ.
5. **Project Schedule:** Shall include a proposed project schedule. **The study should be completed within one year from initiation of the contract.**
6. **Insurance Requirements:** Provide a copy of a certificate of insurance which identifies current levels of professional liability insurance.
7. **Fee Schedule:** Shall include a fee schedule (hourly rate) of services to be provided by the project team.

**Please note, firms may submit prior work product that shows their competence as it relates to this RFQ.** However, firms may **NOT** submit work products or designs for the project described in this RFQ. Firms can **NOT** submit an estimated total fee, total contract price, or an estimation of hours involved in completing the project in response to this RFQ.

**Section 4: Submission Requirements**

**Sealed** responses to the Request for Qualifications shall be received until 3:00 PM on Friday, November 17, 2023. Two (2) copies of the proposal should be signed by an authorized official and mailed or delivered in a sealed envelope to the address below. The envelopes should be clearly marked, “RFQ FOR ENGINEERING SERVICES FOR ENGINEERING AND FEASIBILITY STUDY OF JACKSON PARK” and indicate the name of the firm.

**Responses must be submitted to:**

Henderson County Finance Department  
 Attn: Doug Guffey  
 113 North Main St.  
 Hendersonville, NC 28792

**Section 5: Selection Process**

Proposals submitted by the deadline will be evaluated by a selection committee comprised of representatives and staff from Henderson County. Each firm will be evaluated based upon the matrix below.

Criteria	(a) Weight	(b) Score (1-5)	(a) X (b) Weighted Score
Project Team	25%		
Project Experience	25%		
Project Approach	25%		

Project Schedule	25%		
<b>Final Score</b>			

Proposals will be evaluated using a standardized scoring system. Each criteria component will be assigned points ranging from 1 - 5 according to the extent to which the proposed system meets the stated requirements. The points will be assigned as follows:

- 5 points: Fully meets.
- 4 points: Meets with minor gaps (no compromise required)
- 3 points: Meets with moderate gaps (some compromise required)
- 2 points: Partially meets with significant gaps (compromise required)
- 1 point: Does not meet.

The points for each criteria component will be multiplied by the percentage weight listed above and totaled.

**Section 6: Standard of Award**

The standard of award for this Request for Qualifications will be based on the demonstrated competence and qualifications of firms to provide engineering services for Jackson Park. Proposals will be reviewed after opening and will be ranked in order of choice based on selection criteria at which point contract negotiations will begin with the most qualified firm. Should negotiations fail with the initial qualified firm the County may, at its discretion, continue negotiations with lower ranked qualified firms. The County shall not be bound or in any way obligated until both parties have executed a contract. The County reserves the right to delay the award of a contract or to not award a contract.

All responses will be considered to the greatest extent possible. However, failure to respond to any requirements outlined in the RFQ, or failure to enclose copies of the required documents, will disqualify the proposal. Submissions received after the response deadline will be rejected without exception.

The County reserves the right to reject any or all proposals, waive technicalities and to be the sole judge of suitability of the services for its intended use as allowed by law and further specifically reserves the right to make the award in the best interest of the County.

**Section 7: Minority and Disadvantaged Business**

Pursuant to General Statutes of North Carolina Sections 143-128 and 143-131, the County encourages and provides equal opportunity for Certified Minority and Women- Owned Business Enterprise (MWBE) businesses to participate in all aspects of the County’s contracting and procurement programs.

For Disadvantaged Business Enterprise requirements, see Minority Business Participation Guidelines posted under Doing Business with Henderson County at <https://www.hendersoncountync.gov/county/page/doing-business-henderson-county>.

**Section 8: Contracting**

After the firm is selected, the negotiated contract shall incorporate and be in compliance with the following:

- i. Section 9 County Terms and Conditions
- ii. Section 10 Certificate of Insurance

**Section 9: Terms and Conditions**

Any proposal submitted to Henderson County shall be deemed to include all the Terms and Conditions shown in the document found online at

[https://www.hendersoncountync.gov/sites/default/files/fileattachments/henderson\\_county/page/42611/terms\\_and\\_conditions\\_02.23.2022.pdf](https://www.hendersoncountync.gov/sites/default/files/fileattachments/henderson_county/page/42611/terms_and_conditions_02.23.2022.pdf)

These Terms and Conditions, which refer to a “purchase order”, shall be deemed to be included in any contract entered into as a result of this Request for Qualifications (“RFQ”).

Any attempt by a proposed contracting party (the “Bidder”) under the RFQ to exclude any of these Terms and Conditions shall cause any Proposal made in response to this RFQ to be deemed to be non-responsive (unless Henderson County has notified the Bidder that the funding source for the goods or work sought under this RFQ is not federal funds, in which case those provisions under number 15 of the Terms and Conditions (and all subparts thereunder) may be excluded from a Proposal.

**Section 10: Certificate of Insurance**

Proposer shall provide an Insurance Certificate naming Henderson County as **additionally insured**. Should different insurance limits be established between the vendor and the County, the Certificate of Insurance with Henderson County named as additional insured shall be contained herein.

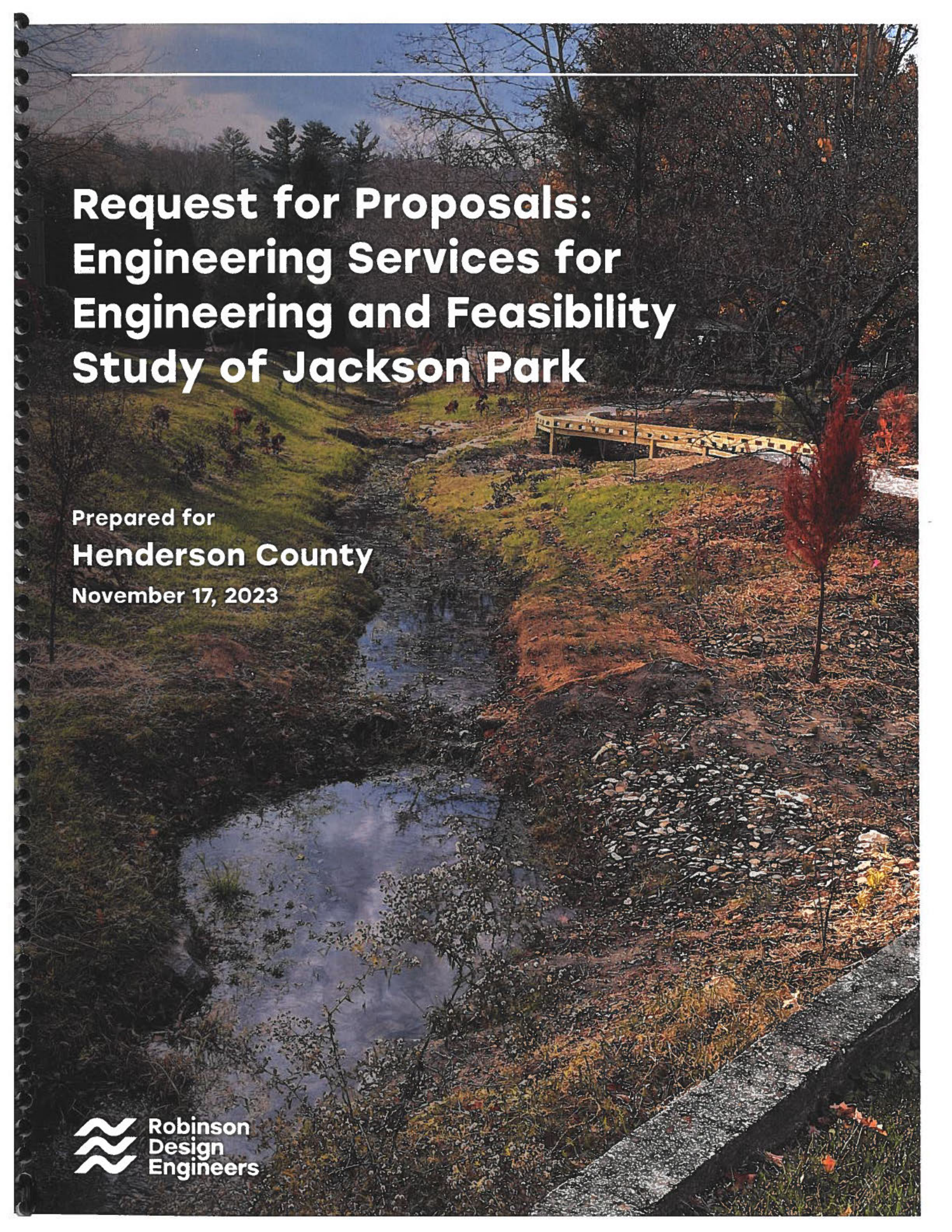
Required Coverage	Minimum Insurance Limits
Workers' Compensation	Statutory/Employers Liability: \$500,000/\$500,000/\$500,000
General Liability	\$1M per occurrence/\$2M aggregate
Automobile	\$1M per occurrence/Combined Single Limit
Professional Liability	\$1M claims made / \$1M aggregate

**Section 12: Attachments**

Attachment I: Vendor Information Form

## Attachment I: Vendor Information Form

<b>Attachment I: Vendor Information Form</b>			
Company/Firm Name			
Mailing Address			
Contact Name		Contact Title	
Phone Number	Fax	Email	Website
Federal Tax ID Number		Unique Entity Identification Number (SAM.gov)	
Required Documentation		Internal Routing	
Completed IRS W-9 form dated within calendar year and signed by authorized personnel.		W9 Received	YES
Minority and Women Owned Business (MWBE) certification, if applicable.		MWBE Certification Received	YES      N/A
		Unique Entity Identification Number confirmed in SAM.gov	YES

A scenic view of a river flowing through a wooded area. The river is in the foreground, reflecting the sky. The banks are covered in green grass and fallen leaves. In the background, there is a wooden bridge with a railing, surrounded by trees. The sky is blue with some clouds.

# Request for Proposals: Engineering Services for Engineering and Feasibility Study of Jackson Park

Prepared for  
**Henderson County**  
November 17, 2023

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Background image: construction of bank stabilization along the N.F. Pacolet River, 2018

Cover image: Laurel Green Park creek restoration and floodplain activation, 2023





November 17, 2023

Henderson County Finance Department  
Attn: Doug Guffey  
113 North Main Street, Hendersonville, NC 28792

**Statement of Qualifications:  
Engineering Services for Engineering and Feasibility Study of Jackson Park**

Members of the Selection Committee:

As shown in the following statement of qualifications, our Team possesses the competence and qualifications required to perform this feasibility study. You will not find an equally qualified consultant that has our Team's level of investment into Henderson County. We live, work, and play here.

We are an intentionally small firm, and we have reclaimed the service oriented, professional practice model of engineering consulting. We are debt-free, and we practice rigorous financial protocols to ensure the stability and longevity of our firm.

Most of our Team lives in the county and our office is in downtown Hendersonville. We all use Jackson Park regularly through walking, biking, birding, disc-golfing, and I coach my kids' soccer teams on the frequently flooded fields adjacent to Bat Fork. Our familiarity with the park gives us an advantage, but our Team's record of community service to Henderson County sets us apart. We care deeply about this community and this park. Deceased community leader Luther Smith showed me his masterplan for Jackson Park that was developed and adopted in 1988, and since then bringing this land to its highest and best use for its stakeholders has been a longstanding goal of mine.

This is a hard-working park. Henderson County is already asking a lot of this piece of land, but we want the opportunity to make it better. We will develop pragmatic and efficacious solutions to meet the needs of stakeholders while enhancing the park's ecosystem services. Our Team has a proven record of delivering these types of projects and would be honored to work in our hometown, helping realize the full potential of Jackson Park.

Sincerely,  
**Robinson Design Engineers**

A handwritten signature in black ink, appearing to read "Philip Ellis", is written over the typed name.

Philip Ellis, MS, PE  
Principal  
pe@robinsondesignengineers.com  
(864) 901-1611

# Project Approach

## Project Schedule



### 1. Project Definition

Our First Step will build upon our Team’s extensive relationships with County staff, stakeholders, and regulators to understand, jointly establish, and clearly define project goals, expectations, processes, and constraints. We will review project information and schedule a kick-off meeting with key County staff. During this meeting we will establish the project budget and schedule, and determine stakeholder engagement methods. Step One will conclude with a memorandum containing a project summary, targeted outcomes and processes, and a detailed schedule and budget for the data collection, concept development. We will also define the level of detail for the feasibility study final deliverables.

### 2. Gage Installation

The waterways that flow into and out of Jackson Park are not well understood. Correspondingly, the water levels in the park’s seasonal pools and wetlands are mysterious.

We propose installation of water level gages throughout the park. These gages will be sited and installed to monitor and better-understand how water flows through Jackson Park. We will also request data from the City of Hendersonville (Mike Huffman), USGS, and the National Weather Service, because each of those organizations have water level gages in the vicinity of Jackson Park. We will engage a professional land surveyor to install topographic monuments, tying the new gages and pre-existing gages together onto a single datum – this is the only way to see where water is flowing, and elucidate why it stays or leaves a particular pool.

Deliverables for this step will include a map to each of the gages with instructions for data download and management.

### 3. Data Collection

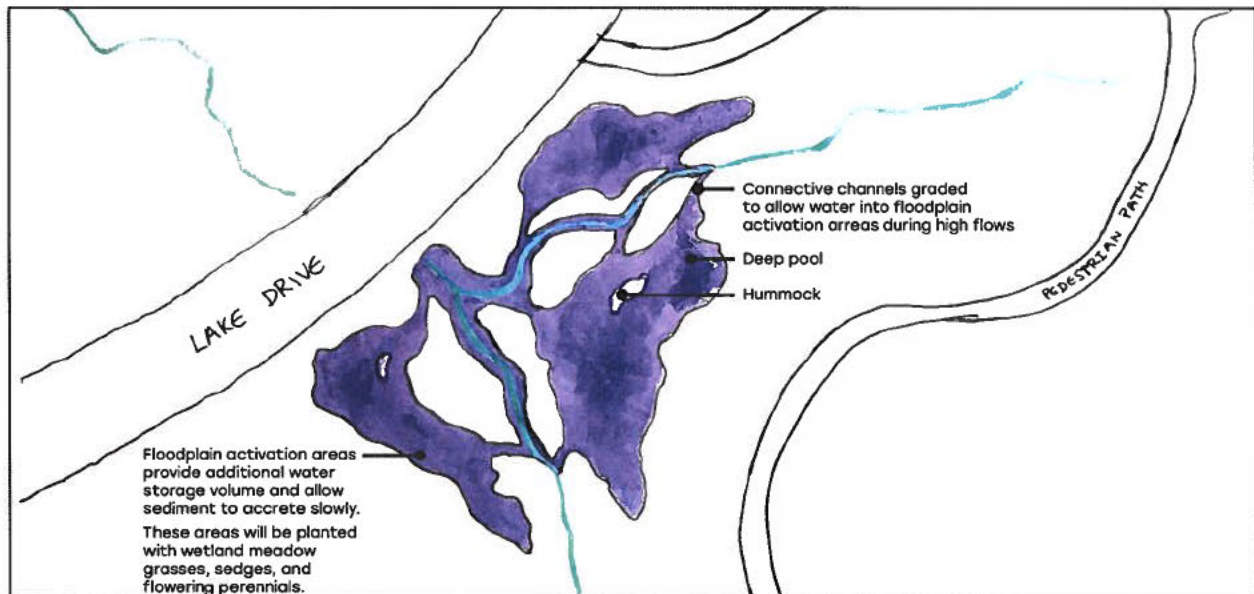
This step will include collection and synthetization of pertinent data sets. We expect these to include ongoing downloads of the water level gages mentioned above, and other information relating to hydrology, hydraulics, topography, ped. / bike / vehicular travel ways, vegetation communities, and land use programming.

We expect to perform multiple site visits and conduct several interviews with stakeholders, such as meeting with HCPR staff (Bruce G. and Jason K.) to understand their recreational programming conflicts.

### 4. Hydrology & Ecosystem Mapping

The information that we gather through steps two and three will help us parse-out the sources and sinks of the seasonal pools. Presently, it is unclear whether these pools are controlled by Bat Fork, Johnson Ditch, Mud Creek, ground water, or direct rainfall runoff. This kind of hydrology mapping will be the underlying information that we need to develop any concepts.

In addition to hydrology mapping, we will develop a patchwork map of landscape settings and existing ecosystem communities. This layer of information can be minimal, such as defining open water / streams / wetlands, or we can go into detail by interviewing local users (e.g. ecologists and birding groups).



Example Image: concept design for floodplain activation in Biltmore Lake, NC

## 5. Concept Development

The effort required for this step will be scaled to the budget and level of detail defined during the first step in this approach. This work may require hydraulic modeling to assess the effectiveness of flood reduction concepts – we want to show how each concept will impact park infrastructure, forested areas, and targeted recreational facilities. We will produce several concepts that address each of the problems identified in the RFQ, focusing on potential projects related to:

### Stormwater Management Improvements

We can develop a series of maps with potential retrofit sites, their benefits and costs, reference imagery, and expected cost. We have done this for public and private communities, including Givens Estates, Crowfields Condominiums, Biltmore Lake, Seaside Farms, and the City of Hendersonville. Each with different opportunities and constraints.

### Stream Restoration & Floodplain Activation

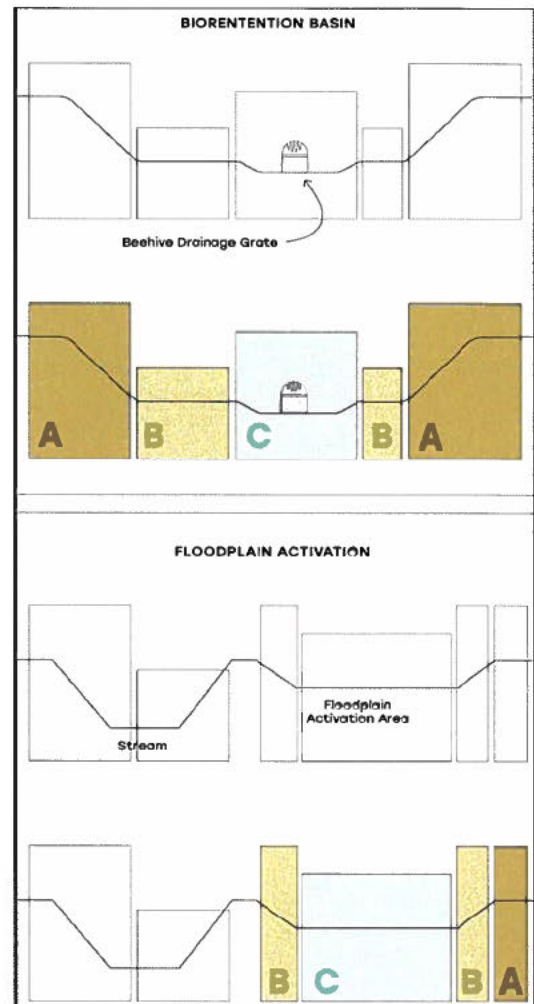
We have conceptualized and designed stream restoration and floodplain activation projects in several public parks in the Carolinas. Depending on the location and expected program of these efforts, trails and public access points could be incorporated into the currently inaccessible portions of the park; a perfect example of this is a recently completed construction site at Laurel Green Park which we conceptualized in a similar feasibility study for the Town of Laurel Park in 2018.

### Recreation Opportunities

We know first-hand how difficult it can be to use and service the park amenities during wet seasons and after intense rainfall events. There may be opportunities to re-grade and re-configure some of the fields and trails so that they are serviceable more often. Our aim will be to create concepts that can provide a more resilient and predictable set of fields and trails.

### Beaver Management (Water Depth Control):

We are aware of the longstanding and prolific beaver community near Jackson Park. This beaver community has caused nuisance ponding in the past and they are expected to return in the future. The beaver will find their way back to this ideal habitat in Jackson Park and will be an ongoing maintenance concern. Each of our concepts will consider how



Example Image: concept design for planting zones in stormwater retrofits and floodplain activation areas at Crowfields Condos in Asheville, NC

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to manage beaver. For example, a water level control device can provide an auxiliary spillway for the areas that should not flood (e.g. soccer fields). Careful planning for the location and design of these devices is necessary, and this feasibility study is the perfect opportunity to perform this planning work. These water level control devices, so-called “beaver deceivers,” are a common flood-reduction-tool used to manage nuisance water levels of beaver impoundments. These devices can be incorporated on the peripheral of beaver-made dams or human-made structures to avoid unwanted flooding, but they must be carefully designed so that they are not immediately clogged by the eager beaver.

Most of RDE’s work intersects with beaver habitat, and sometimes we use this keystone ecological species to our advantage. We have designed and implemented several ecosystem enhancement projects using Beaver Dam Analogues (BDAs). In fact, RDE secured the first permit in North Carolina to build such features on a large scale with water level control devices. Our work with beaver and / or BDA enhancements has included clients from:

- Sunnybrook, Hendersonville, NC
- Givens Estates, Asheville, NC
- Biltmore Lake, Candler, NC
- Mulberry Gap, Madison County, NC
- Springbank Retreat, Kingstree, SC
- Hyatt Park, Columbia, SC



## 6. Stakeholder Engagement

We think this step is important because there are divergent user groups and land uses in Jackson Park. Using the initial stakeholder input gathered in step 3 (data gathering) and the concepts created in step 5 (concept development), we will meet with county officials to present and garner feedback. This step is to present concepts and their associated costs and benefits to a group of stakeholders. The purpose of these presentations will be to make decisions about which concepts are most desirable.

We have done this several different ways depending on the community: we have led large public meetings and we have led smaller-scale charettes where a designated working group of stakeholders are empowered to make decisions and provide program-related changes to the concepts. However you choose to proceed, we will help you set a list of agreed-upon goals and constraints to find consensus around a pragmatic solution.

## 7. Reporting

Reporting will include a detailed summary of our work and descriptions of the primary concepts selected by the stakeholders, including graphics of the desirable concepts. Final deliverables could also include pre-design modeling to hone-in on the expected outcomes, regulatory due-diligence, construction cost estimates, or graphics for fund raising campaigns and grant applications. The shape of these final deliverables will largely be decided during step 1 (project definition).

# Our Team

Philip Ellis  
Paddling the West Fork of the Pigeon River  
Haywood County, NC

# Team Members

RDE's team offers Henderson County the comprehensive knowledge and proven experience for the services needed along with long-term relationships with stakeholders, regulatory officials, and municipal staff.



**Philip Ellis, MS, PE** is a professional engineer and seasoned project manager with over 17 years of experience in stream restoration, complex permitting, and hydraulics engineering, especially within urban parks.



**Joshua Robinson, MS, PE**, is the firm principal with more than 20 years experience with nature-based planning and design projects across the southeast.



**Holly Hall, PhD, PE** is an ecological engineer and researcher. In addition to her recent PhD in stream restoration, Holly has a deep background in water resources.



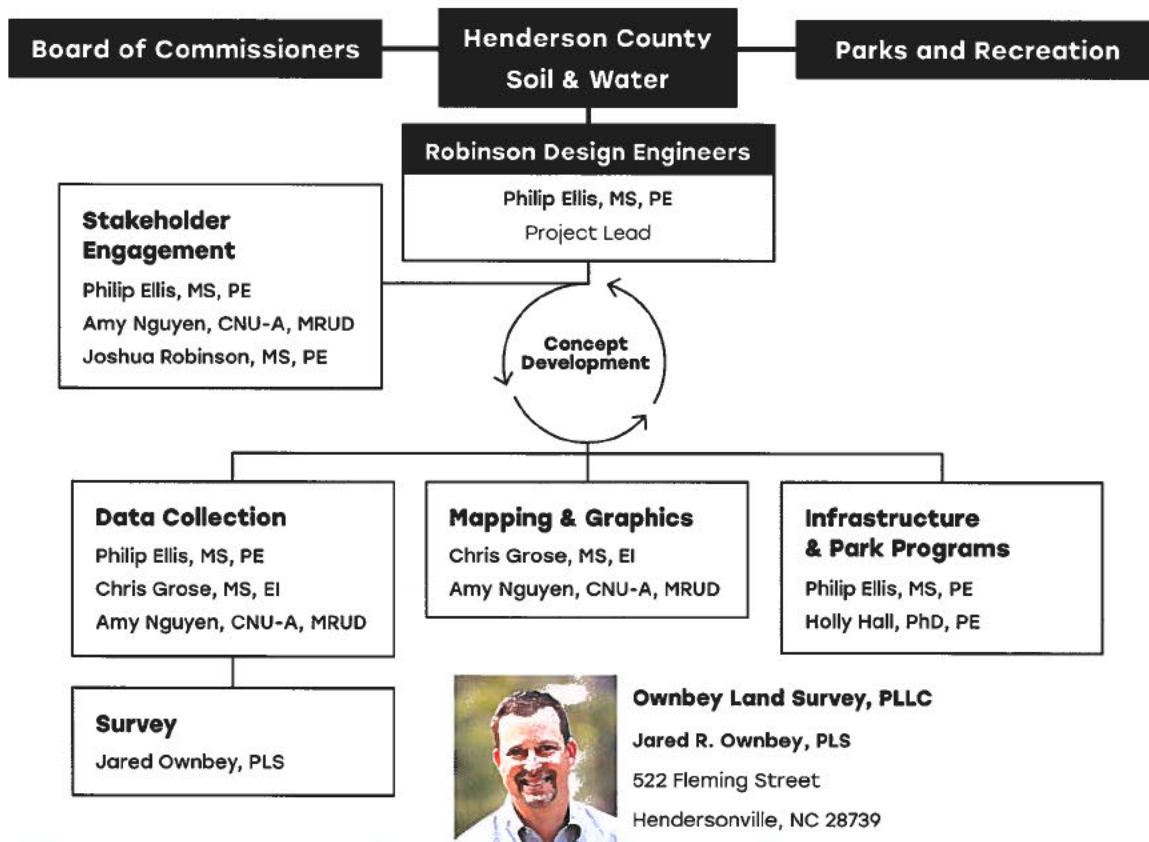
**Amy Nguyen, CNU-A, MRUD** is an environmental designer and graphic design expert. Amy will create visual aides and provide support for any public engagement activities.



**Chris Grose, MS, EI** is a biologist and engineer with more than 20 years of experience with restoration, permitting, and has received formal training in Natural Channel Design restoration techniques.



**Nolan Williams, MS, PE**, is a professional engineer and will provide quality assurance on all deliverables and modeling support.





## **Philip Ellis, MS, PE**

### **Professional Engineer + Principal Engineer**

Philip is a licensed professional engineer offering sixteen years of experience in urban and suburban stormwater assessment and design, watershed planning and modeling, river engineering, and project management. Philip joined Robinson Design Engineers in 2009 following a rigorous hydraulics engineering graduate research assistantship at IHR-Hydrosience & Engineering. Philip is also an accomplished whitewater paddler and has spent over 7,000 hours exploring waterways of the Southeast, fostering a deep and intuitive knowledge of flowing water and its power. These accomplishments make Philip especially adept at field-based assessments, possessing a rare combination of fundamental hydraulics knowledge, pragmatic fieldwork know-how, and modeling expertise.

Philip's life experience and technical expertise make him uniquely qualified as a hydrology and hydraulics engineer. He is a seasoned modeler, having used a variety of rainfall-runoff software and multi-dimensional hydraulic models. In addition, he has comprehensive experience with field hydrology data collection and stream instrumentation, often in service to calibrating and validating engineering models. In addition to his deep understanding of hydrology, hydraulics, and geomorphology, Philip also offers depth of experience with permitting, bidding, and construction. He has overseen numerous stormwater and roadway construction projects and is especially skilled at keeping projects on-schedule and on-budget, even in the face of unexpected weather events and field changes.

#### **Education**

MS in Civil Engineering  
(Environmental Hydraulics),  
University of Iowa

BS in Civil & Environmental  
Engineering, The Citadel

#### **Licensure**

Professional Engineer: NC  
No. 39870

#### **Professional Affiliations**

American Society of Civil  
Engineers

American Ecological  
Engineering Society

ASCE Stream Restoration  
Technical Committee

#### **Community Service**

Henderson County  
Greenway Masterplanning  
Committee

Henderson County Parks  
and Recreation Advisory  
Board

Henderson County  
Environmental Advisory  
Committee

City of Hendersonville  
Alternate Design  
Committee

City of Hendersonville Parks  
and Greenspace Committee

#### **Selected Project Experience**

Biltmore Lake Watershed Masterplanning & Implementation – Asheville, NC

Hyatt Park Creek Daylighting, Columbia, SC

Laurel Green Floodplain Activation, Laurel Park, NC

Sunnybrook Bank Rehabilitation, Hendersonville, NC

Primrose Dr. Bank Rehabilitation, Laurel Park, NC

Rocky Fork Stream and Embankment Rehabilitation, Mills River, NC

Laurel Park Watershed Study, Laurel Park, NC

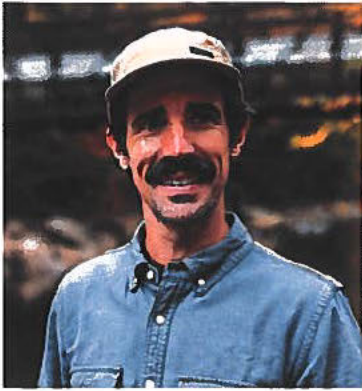
Givens Estates Stormwater Grants, Asheville, NC

Smith Branch Restoration, Columbia, SC

N.F. Pacolet River Restoration, Tryon, NC 2015-2019

Highlands Biological Station Lake Restoration, Highlands, NC





## **Joshua Robinson, MS, PE**

### **Professional Engineer + Principal Engineer**

Joshua is a licensed professional engineer with twenty years of experience in analyses, planning, design, and implementation of natural resources and living infrastructure engineering projects across the Southeast. After contributing to urban creek restoration efforts in Atlanta, Charlotte, and Knoxville, Joshua founded Robinson Design Engineers in 2008 to provide ecologically-based engineering analyses and design for low impact development projects and to integrate ecosystem restoration into urban and rural communities.

Joshua also serves as adjunct faculty at the College of Charleston's environmental geosciences department and marine biology department, where he teaches on watershed hydrology and advises graduate students on research projects involving tidal hydrology, rainfall hydrology, water quality, and ecosystem restoration. Joshua was recently an instructor in NOAA's "Nature-Based Infrastructure for Coastal Hazards" training workshop, and Clemson's Coastal Low Impact Development workshop series.

#### **Education**

MS in Civil Engineering  
(Environmental Hydraulics),  
Georgia Tech

BS in Civil & Environmental  
Engineering, The Citadel

#### **Licensure**

Professional Engineer:  
SC, NC

#### **Professional Affiliations**

American Society of Civil  
Engineers

American Ecological  
Engineering Society

#### **Community Service**

ASCE Stream Restoration  
Technical Committee

#### **Selected Trainings**

River Course 101: Stream  
Morphology Assessment, NC  
State Univ.

River Course 201: Natural  
Channel Design Principles,  
NC State Univ.

River Course 401:  
Construction Practices for  
Stream Restoration, NC  
State Univ.

#### **Selected Project Experience**

Angel Oak Preserve, Johns Island, SC

Ashleyville Marsh Restoration Project, Charleston, SC

Smith Branch Watershed Plan, Columbia, SC

Smith Branch Daylighting Project at Page Ellington Park, Columbia, SC

Hyatt Park Creek Daylighting Project, Columbia, SC

Chestnut Bay Park, Nature-Based Solutions to Flooding, Conway, SC

Turkey Creek Rehabilitation Project, Sumter, SC

Givens Estates Stormwater Master planning & Implementation, Asheville, NC

Third Creek Restoration, Knoxville, TN 2006

Kings Creek Restoration, Brevard, NC 2005

Highlands Biological Station Lake Restoration, Highlands, NC



## **Holly Yaryan Hall, PhD, PE** **Hydrologist + Engineer**

Holly Yaryan Hall is a Senior Engineer with Robinson Design Engineers and an Assistant Research Scientist at the University of Georgia with 19 years of experience in civil, transportation, hydraulic, and water resources engineering in the public and private sectors. She holds degrees from the University of Georgia, Colorado State University, University of South Carolina, and Princeton University. Holly's consulting experience includes multifunctional natural infrastructure, ecological restoration, floodplain, transportation, and stormwater projects. She previously worked with the Ohio Department of Transportation, beginning with district in-house design and later joining the ODOT Office of Hydraulic Engineering, where her responsibilities included statewide policy, plan review, training, and research oversight. In addition, she has 5 years of experience as a classroom teacher. As a researcher, practitioner, and educator, Holly believes the science and practice of nature-based solutions can be advanced, and she wants to contribute both in developing better approaches and applying them in practical and equitable ways. Her primary research interests include fluvial geomorphology, aquatic ecosystem restoration, urban streams, and environmental equity in addition to practitioner partnerships and training.

### **Education**

PhD in Engineering  
(Environment & Water)  
University of Georgia

ME in Civil Engineering  
(Water Resources  
Engineering) Colorado State  
University

MAT in Elementary Education  
University of South Carolina

BSE in Civil Engineering  
& Operations Research  
Princeton University

### **Licensure**

Professional Engineer: OH

### **Professional Affiliations**

American Society of Civil  
Engineers

American Ecological  
Engineering Society

### **Selected Project Experience**

Dingle Creek Culvert Replacement Project, private client, Asheville, NC

Compound Flooding Functions Research Project, South Carolina Sea Grant

Ashleyville Marsh Restoration, NOAA NFWF project, Charleston, SC

Laundry Creek Stream Restoration, Fort Moore, GA

Design Tools for Channel Stability at Stream Crossings Workshop, NCHRP

Alternative Stream Channel Maintenance at Bridge Crossings, Ohio DOT

Yaryan Hall, H., and B. Bledsoe. Integrating Channel Design and Assessment Methods Based on Sediment Transport Capacity in Gravel Bed Streams. 2023. Journal of the American Water Resources Association.

Yaryan Hall, H. Innovative Approaches to Urban Riverscape Planning and Design. 2022. University of Georgia.



## **Amy Nguyen, CNU-A, MRUD** **Hydrologist + Designer**

Amy is an urban designer and hydrologist with experience working at the intersection of planning, design, and environmental stewardship. As an urban designer, Amy offers skills in strategic planning, demographic research, and spatial analysis using geographic information systems (GIS). She also possesses a strong foundation in the study of geological and hydrological processes. Amy is especially skilled with data visualization and reporting, thoughtfully communicating site analysis, design concepts, and data analysis to a wide range of audiences.

Amy has demonstrated skill and knowledge in community-centered design processes, flood risk analysis, and nature-based infrastructure through her collaboration with the City of Charleston to study design alternatives to the proposed Army Corps flood wall. Amy began working with RDE as a result of this experience, and spends her time at RDE doing mapping, data analysis and visualization, concept design, and field work.

### **Education**

Master of Resilient Urban Design, Clemson University, South Carolina

BS, Geology, Clemson University, South Carolina

### **Honors and Awards**

Charleston AIA, Parklet Design Competition, Student HONOR Award Winner 2021

Designing Our History: An International Ideas Competition, HONOR Award Winner 2021

### **Professional Affiliations**

Congress of New Urbanism

### **Professional Experience**

Riley Mayors' Design Fellowship Intern, 2020-2021

Keeping History Above Water (KHAW) Intern, Spring-Summer 2021

### **Selected Project Experience**

Laurel Green Park Stream Restoration - Laurel Park, NC

Crowfields Resiliency Projects - Asheville, NC

Nature-Based Exchange - Charleston, SC

Goose Pond Mitigation Bank - Conway, SC

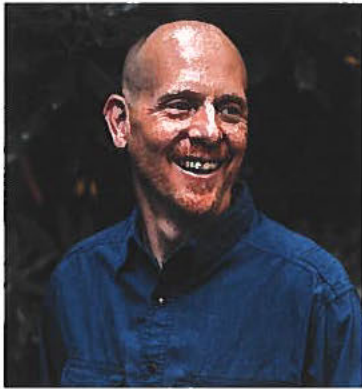
Morrison Yard - Charleston, SC

Georgetown Living Shoreline - Georgetown, SC

Deweese Island Water Management Study - Charleston County, SC

Scanlonville Heritage Park Design - Mount Pleasant, SC

Parklet Design Guidelines for the City of Charleston - Charleston, SC



## **Chris Grose, MS, EIT**

### **Hydrologist + Engineer-in-Training**

Chris offers a diverse background in water resources management with over 20 years of experience in environmental consulting, engineering hydrology, and science education. Chris is trained as an environmental scientist, civil engineer, and educator, providing a wealth of knowledge in environmental permitting, ecological restoration, field data collection, monitoring, and reporting. In particular, Chris offers in-depth knowledge of cost-effective GIS mapping and he is well-versed in managing large data sets for a variety of clients.

In graduate school, Chris studied runoff-based nutrient loading due to land use/cover for calibration of the Watershed Analysis Risk Management Framework (WARMF) model to use in TMDL development in the Catawba River basin. Since then, he has worked in association with federal, state, and local government officials as well as representatives from the private sector. He has performed field assessments for jurisdictional wetland/waterway delineations, ecological site assessments for the presence of protected species and/or potential habitats, and assessments of stream and riparian systems for restoration design work. Chris is also experienced with stream restoration design, stream restoration construction administration, field work, and technical report writing for regulatory compliance.

#### **Education**

BS, Civil Engineering,  
University of North Dakota

MS, Public Health in  
Environmental Health  
Sciences, University of  
South Carolina

BS, Biology, Wofford  
College, South Carolina

#### **Licensure**

NC Engineer-in-Training

#### **Selected Trainings**

Stream Restoration  
Implementation and  
Evaluation, NC State  
University (2007)

Construction Practices for  
Stream Restoration, NC  
State University (2007)

Total Station Applications  
for Stream Restoration, NC  
State University (2008)

River Restoration and  
Natural Channel Design,  
Wildland Hydrology (2005)

Applied Fluvial  
Geomorphology, Wildland  
Hydrology (2004)

River Morphology and  
Applications, Wildland  
Hydrology (2004)

#### **Selected Project Experience**

Biltmore Lake Watershed Masterplanning & Implementation – Asheville, NC

Highlands Biological Station Lake Restoration – Highlands, NC

Laurel Park Watershed Study – Laurel Park, NC

Laurel Green Creek Restoration Plan – Laurel Park, NC

Givens Estates Stormwater Masterplanning, Implementation, and Long-term Assessment – Asheville, NC

Rhododendron Park Creek Restoration – Laurel Park, NC

Smith Branch Daylighting & Restoration – Columbia, SC

Martin Luther King, Jr. Park, Creek Restoration – Columbia, SC

Perez-Oceola Stream Bank Rehabilitation – Hendersonville, NC

Mulberry Gap Stream Restoration – Madison County, NC

Clemson Park Stormwater Design – Clemson, SC

Hyatt Park Creek Daylighting Project – Columbia, SC



## **Nolan Williams, MS, PE**

### **Professional Engineer + Hydrologist**

Nolan is a hydrologist and licensed professional engineer with over 7 years of experience in the fields of environmental hydrology, engineering design, computational modeling, and data science. Nolan began working with Robinson Design Engineers as an intern while studying civil and environmental engineering at Georgia Tech and joined RDE full-time in their Charleston, SC office after graduating in 2017. While continuing to work for RDE, Nolan also completed a master's degree in Data Analytics from Georgia Tech, where his graduate research focused on developing stochastic simulation methods for characterizing the mechanics of compound flooding in coastal watersheds.

In his role as a consulting hydrologist and engineer, Nolan has contributed to a variety of projects across the Carolinas and has performed large-scale hydrologic and hydraulic analyses, field data collection, hydrologic and geomorphic assessment, stormwater management and green infrastructure design, and engineering nature-based solutions for ecosystem restoration and flood mitigation. Nolan also has several years' experience performing construction administration and serving as a project manager in service to large property owners associations and municipalities in Coastal South Carolina.

#### **Education**

BS in Civil Engineering  
(Water & Environmental  
Systems), Georgia Tech

MS in Analytics (Analytical  
Tools), Georgia Tech

#### **Licensure**

Professional Engineer: SC  
No. 39429

#### **Professional Affiliations**

American Society of Civil  
Engineers

American Ecological  
Engineering Society

#### **Selected Project Experience**

Wakendaw Lake Study - Mt. Pleasant, SC

Moody's Plantation Study & Construction Cost Estimates - Summerville, SC

Dewees Island Water Management Study - Charleston County, SC

Nature-based Flood Mitigation - Conway, SC

Conway Hydrology & Hydraulics Study - Conway, SC

Halidon Hill Mitigation Bank - Berkeley County, SC

Smith Branch Daylighting & Restoration - Columbia, SC

City of Charleston Storm Surge Barrier - Charleston, SC

Cooper River Salt Marsh Restoration - Goose Creek, SC

Crosstowne Christian Church Hydrology Study - Charleston, SC

Sunset Country Club Flooding Analysis - Sumter, SC

Carter Stillely Mitigation Bank Hydraulic Analyses - Longs, SC

# Project Experience

Image: Mud Creek in Jackson Park



## Project Highlights

Construction completed in 2023

800 feet of urban streambank stabilization

Urban hydrology modeling

Watershed Plan

RDE facilitated a Town Council workshop and stakeholder planning events

## Reference

Alex Carmichael  
Town Manager  
Town of Laurel Park, NC  
Phone: 828.693.4840

## Laurel Green Park Creek & Floodplain Restoration

Town of Laurel Park, North Carolina

The Laurel Park Watershed Improvement Study provides the Town with recommendations for slowing and lengthening the flow of stormwater. These recommendations are broad, focusing on what proven solutions might look like in the Laurel Park context. Not only does this watershed study provide guidance for future planning; it also provides a vision and a road map that is useful for grant applications to fund individual projects. This document was designed to live “off the shelf” to inspire and cultivate the next generation of watershed stewards.

Most recently, RDE worked with the Town of Laurel Park to restore 800 linear feet of urban creek that flows through the central Town-owned park space. The step-pool creek was historically channelized and straightened to control flooding, and has been a constant maintenance concern for the Town. RDE has performed hydrologic and hydraulic analyses, in-stream flow measurements and model calibration, and conceptual design of creek restoration. The design includes floodplain activation areas, bank grading, in-channel structures, riparian vegetation, and designated areas for park users to interact with the creek directly. The cost-effective approach includes minimizing impacts to existing trees and limiting the use of heavy equipment in the creek—allowing the Town to accomplish much of the work in-house. The Watershed Plan thus seeks to repair hydromodification, whereas the instream work seeks to catalyze natural forces toward channel self-repair as the watershed heals.



**LAUREL GREEN CREEK RESTORATION PROJECT OBJECTIVES INCLUDE:**

- Channel stabilization
- Establish native riparian habitat
- Slow down water from rainfall runoff

**RESTORATION FEATURES :** ① IN-STREAM RESTORATION ② FLOODPLAIN ACTIVATION ③ STORMWATER GARDENS

**NEW AMENITY FEATURES :** ④ TRAILS AND PATHWAYS ⑤ BIKE INFRASTRUCTURE ⑥ CREEK ACCESS POINTS ⑦ PLAY HOUNDS ⑧ VIEW POINTS

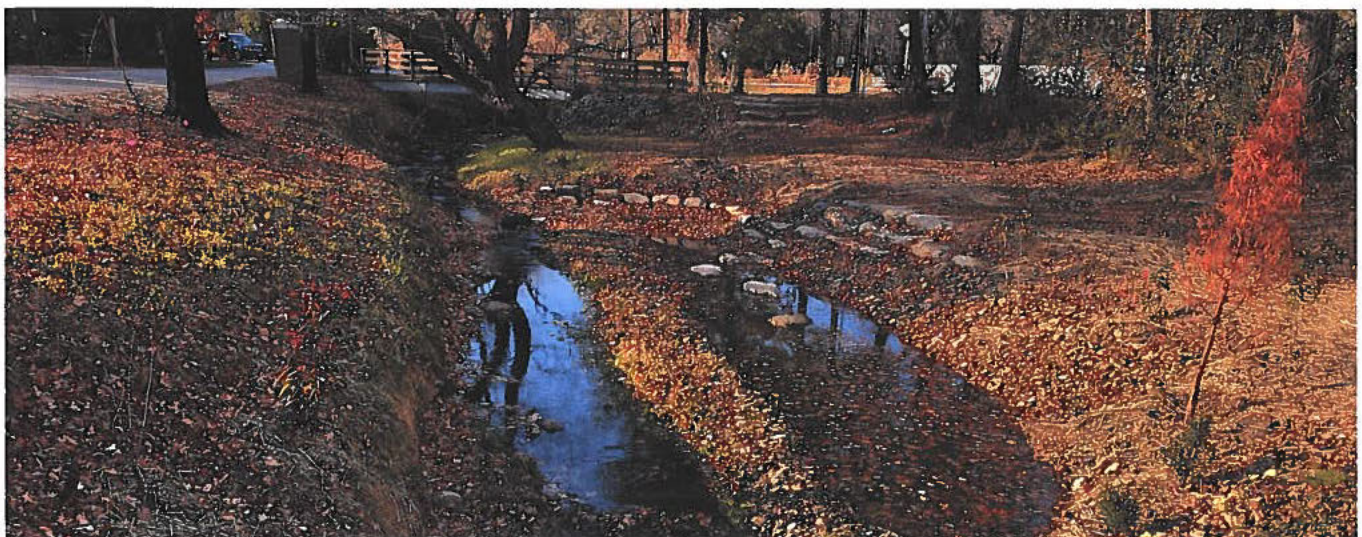


**Cover image:** Photo showcasing floodplain activation, pedestrian boardwalk, stream restoration efforts in the fall of 2023.

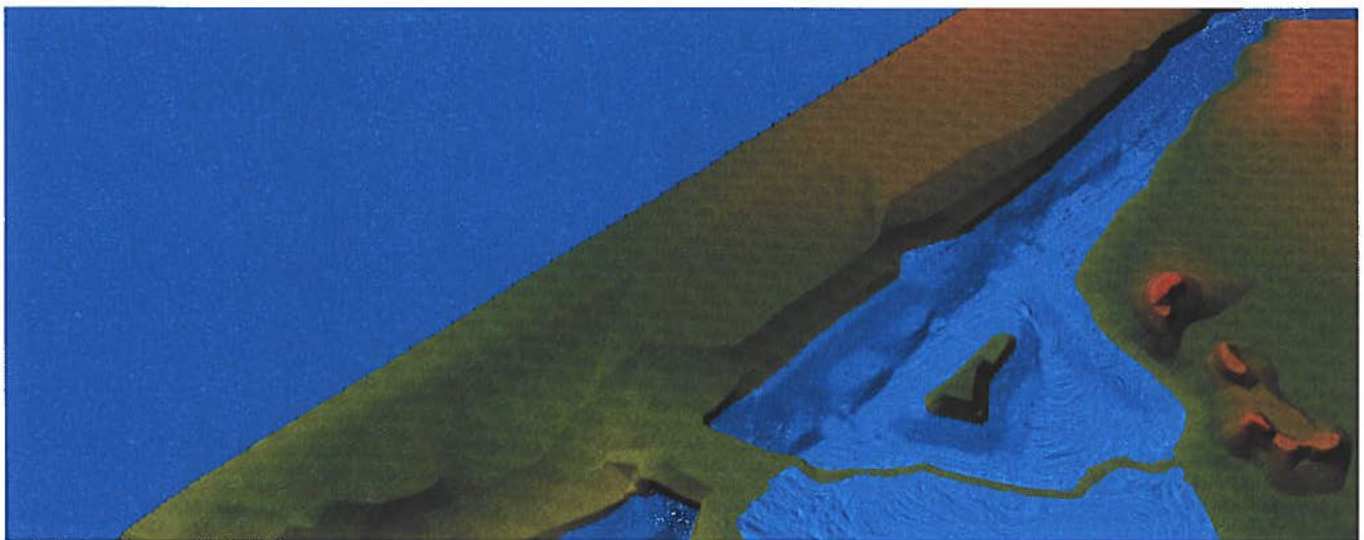
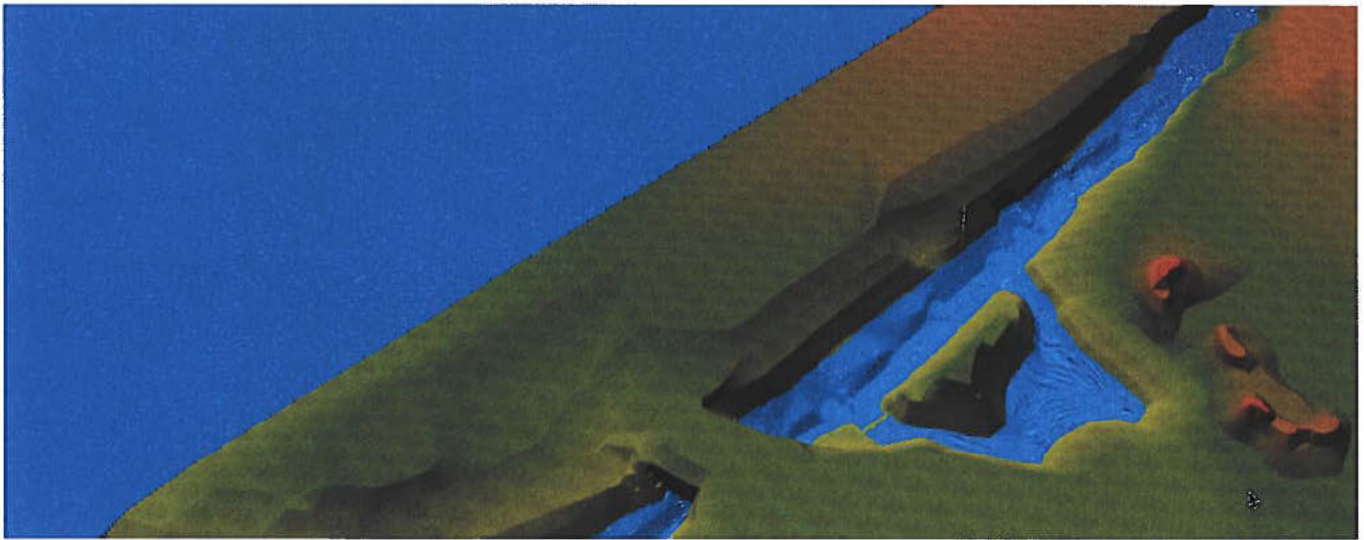
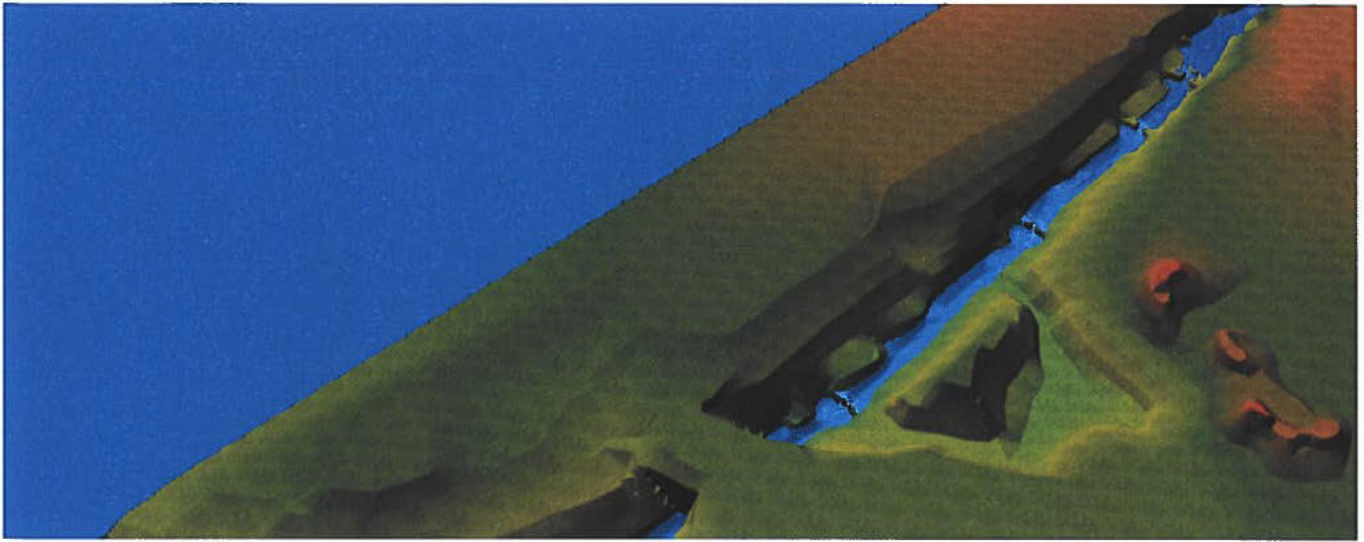
**Top:** Park masterplan signage designed by RDE.

**Middle:** Pre-construction conditions showing eroded creek banks and leaky sewer laterals.

**Bottom:** Floodplain activation area along Wash Creek, picture taken shortly after construction.







**Top, middle, bottom images:** Modeling of low, mid, and high flow levels for proposed design conditions. This is a zoom in of one of four floodplain activation areas incorporated into this project.



## Project Highlights

Completed in 2021

Urban creek daylighting

Partnered with large MS4  
(City of Columbia)

Conceptualized stormwater  
control measures throughout a  
City Park

Regulatory coordination  
through 401/404 Process

## Reference

W. Todd Martin, PLA, SITES AP  
City of Columbia Parks &  
Recreation  
1111 Recreation Drive,  
Columbia, SC 29203  
Phone: 803.545.4395

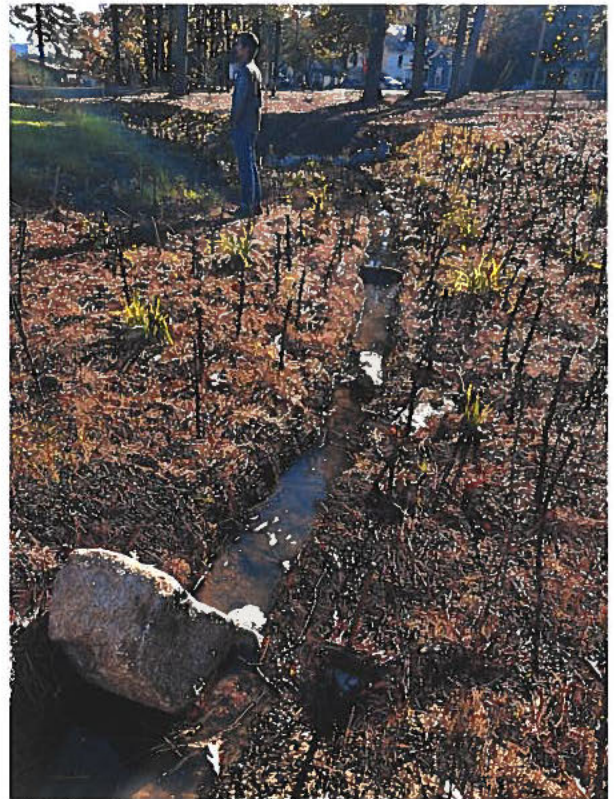
## Hyatt Park Renovation

City of Columbia, South Carolina

In 2019, the City of Columbia selected Robinson Design Engineers as part of a design team to renovate the historic 11-acre Hyatt Park in downtown Columbia. RDE is responsible for the design of roughly 1,500 linear feet of restoration of an unnamed tributary to Smith Branch, including 1,000 feet of daylighting the stream from a concrete culvert.

This project is especially exciting because it is one of the water quality improvements that RDE identified several years prior as part of the Smith Branch Watershed Plan. This watershed plan supported the EPA 319 grant application that provided funding for the park and guided the expenditure of the City of Columbia's stormwater fees. Hyatt Park is a great success story of combing local, state, and federal funding sources to create a functional landscape system within a derelict city park.

In place of an eroding, muddy valley bottom and leaky storm sewers, the park is now bisected by a beautiful riparian corridor filled with native plant species and flowing water that attracts birds and beneficial insects and reptiles. The park also offers nature-based play and opportunities to enjoy a natural setting in an otherwise urban area.



**Cover image:** Portion of the daylighted stream after construction showcasing the newly planted live stakes.

**Top left:** New park signage during the grand opening.

**Top right:** Plant plugs and live stakes planted.

**Bottom:** Photo during mid-construction of the daylighted stream showcasing areas of expansion and other areas of narrow flow.



## Project Highlights

New 20-acre city park

Completed in 2021

2,000 feet of urban creek restoration

Urban hydrology modeling and calibration

Complex, multi-year permitting with FEMA, 401/404, SWPPP, for large-scale restoration and construction

Nature-based constructed wetlands part of the masterplan

## Reference

Gregory Tucker  
City of Columbia Special Projects Administrator  
Phone: 803.545.4309

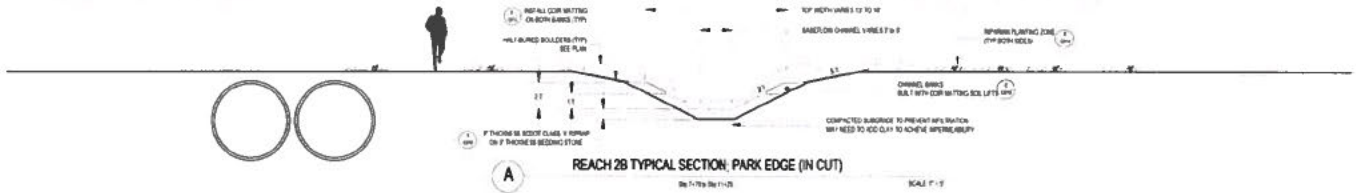
## Page Ellington Park at Bull Street

City of Columbia, South Carolina

From 2014 to 2021, RDE provided the City of Columbia with watershed planning, stream assessment, hydrology data collection, hydraulic analyses, regulatory coordination, and engineering design for the new, 20-acre Page Ellington Park with the Bull Street Redevelopment Project.

The highlight of the park is the restoration of Smith Branch—approximately 2,000 linear feet of urban creek channel was brought to the surface after being contained underground within double 84" concrete culverts since at the least the 1950's. RDE also designed a wet pond system and a constructed stormwater wetland to capture stormwater runoff from the park and adjacent development. The project design required extensive coordination with FEMA, the US Army Corps of Engineers, and the City of Columbia to mutually satisfy local, state, and federal regulations for work in the floodplain and wetlands. RDE shepherded the project design for more than 7 years, and recently completed the final step in the post-construction project monitoring.

RDE led the construction administration of multiple phases of construction including creek bank stabilization, design and construction of two large hydraulic structures, grading and planting of over 10 acres of fields, and daylighting of the creek channel itself. Notably, the final design and construction of the project occurred in the midst of the record-breaking flooding events of 2015 through 2018.



**Cover image:** Photo showcasing a floodplain wetland 2 years after construction.

**Top image:** Engineering drawings of new creek channel.

**Middle:** Hydraulic structure after construction with geo-lifts for bank stabilization.

**Bottom left:** Hydraulic structure in construction in 2018.

**Bottom right:** Floodplain wetland right after construction.





## Project Highlights

- Small WNC municipality
- Multiple stakeholders
- Consensus building
- Bank erosion addressed with watershed projects

## Reference

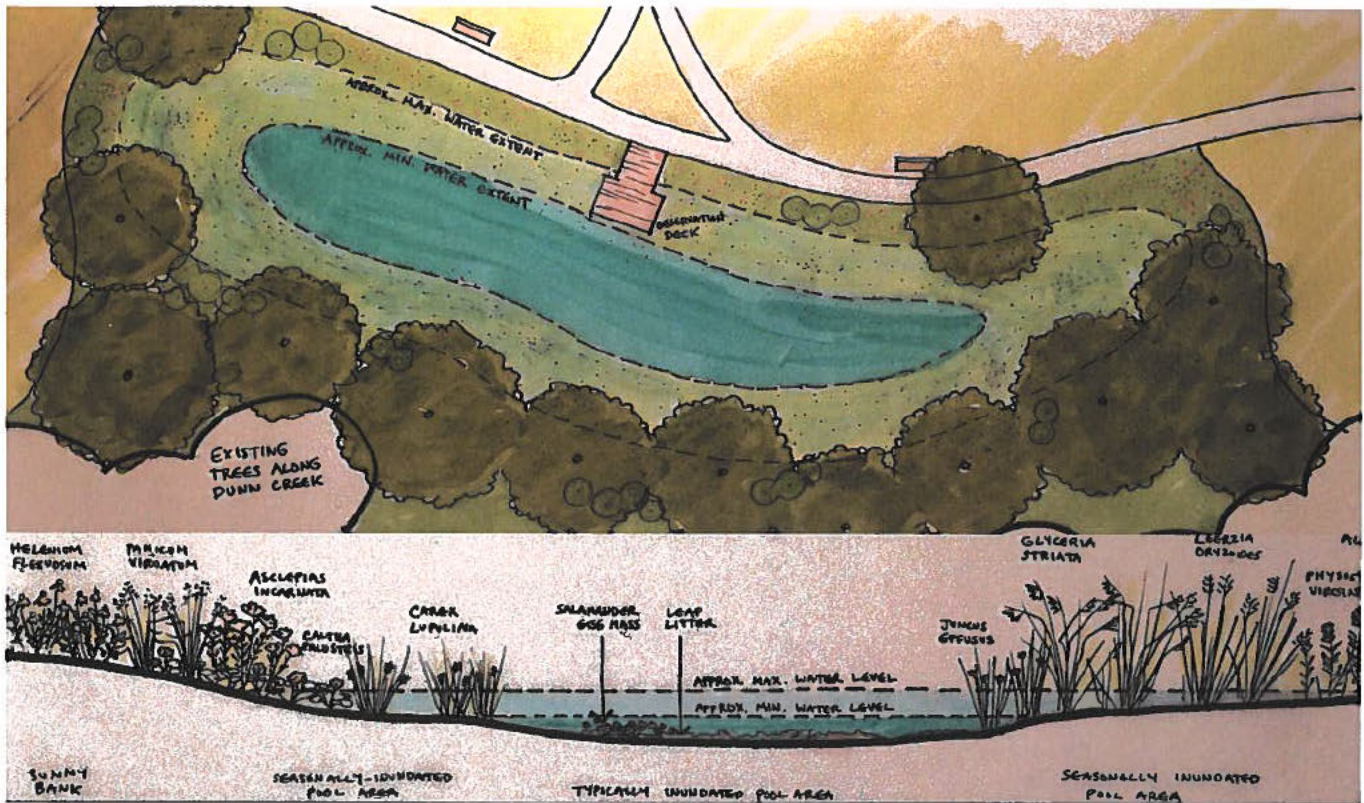
Michael Huffman  
 City of Hendersonville  
 Stormwater Administrator  
 mhuffman@hvlnc.gov  
 Office: 828.697.3013  
 Cell: 828.458.5693

# Hendersonville Schools Stormwater Control Measure Feasibility & Concept Design

Hendersonville, NC

RDE worked with the City of Hendersonville to determine the feasibility of implementing Stormwater Control Measures (SCM) across a dual campus watershed. This tremendous opportunity for environmental education, water quality improvement, and hydrologic restoration is in the headwaters of the Britton Creek watershed. The goal of RDE efforts were to gain consensus between stakeholders and create a guiding document and conceptual masterplan for SCMs on the campus of Hendersonville Elementary & Hendersonville Middle schools.

This initial study is being used to guide future implementation projects. We developed consensus around the concepts among a diverse set of City and County stakeholders by presenting a series of maps and diagrams that identify potential SCM locations, tables and matrices that quantify the various opportunities and constraints associated with each SCM, conceptual details and imagery to communicate the design intent and aesthetic quality of each feature. These deliverables are being used by the City of Hendersonville to pursue various grant funding opportunities for implementation of the dual-campus masterplan.



## Project Highlights

Rapid, low-cost design and construction

Nature-based design in a residential setting

Planting design

## Reference

Andrew Ward  
 Chief Operating Officer  
 at Simple Life  
 award@simple-life.com

## The Hamlet Vernal Pool

Flat Rock, NC

RDE provided concept design, plant selection, and construction administration for creation of a vernal pool at The Hamlet, a tiny home community in Flat Rock. Vernal pools are wetland features that experience seasonal drying and shallow flooding that prevents establishment of fish populations, making them critical breeding areas for amphibians predated by fish. Some amphibian species - such as spotted salamanders, marbled salamanders, and wood frogs - must migrate to a vernal pool each spring in order to breed, but many of these pools are lost to development.

This vernal pool project was made possible by a conscientious neighborhood developer, who wanted a trail system that allowed residents to enjoy nearby natural features. The pool will change with the seasons and become an even more interesting stop on the trail as the plants mature and amphibians, birds, and insects find their way to this habitat.



## Project Highlights

Inspection of large stormwater system

As-built close-out

## Reference

Brendan Shanahan, PE, CFM  
Civil Engineer  
City of Hendersonville  
bshanahan@hvlnc.gov  
Phone: 828.674.0697

## Oklawaha Village Stormwater Design and Implementation Hendersonville, NC

RDE designed, permitted, and performed as-built close-out services for this recently constructed mixed-use development. The first of its kind in Hendersonville, this residential development was designed as a multiphase, shared stormwater system – the single family homes and the City Streets were constructed first, then the multifamily section was constructed later during phase 2 of the development.

This project included erosion control planning and conventional water, sewer, and stormwater infrastructure with a distributed network of treatment cells (bio-retention and stormwater wetlands) to improve water quality and meet the standards required by the City of Hendersonville and NCDEQ.

RDE performed weekly construction inspections, reviewed and approved field-changes, and ensured that the project was compliant with various as-built checklists, as required by the municipality.



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# Appendix

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# SOQ Checklist

The RFQ listed specific requirements. This section provides a checklist and location key for each of those requirements.

## **Project Team 25%**

- Firm's program of services:  
This is described throughout the SOQ. We offer planning and design services related stormwater, flooding, and ecosystem restoration.
- Firm's description of its financial viability:  
This is described in the cover letter, second paragraph.
- Key staff members and their availability to perform the work:  
Chris, Amy, and Holly can set aside 30% availability.
- Project Team flow chart with relevant qualifications:  
Team organization and flow of work is depicted on page 9.
- Project lead and their availability:  
Philip can set aside 30% - 80% availability, as-required.

## **Project Experience 25%**

- Experience with comparable projects:  
This is described throughout the Approach section (pg 4-7), and similar project experience is shown on pages 16-26.
- Experience with local state and federal government:  
All of our work requires coordination with local, state, and federal regulators, and we have pre-existing relationships with many of the stakeholders for this project.
- References:  
These are provided in the project experience section (pg 17-26).

**Project Approach 25%:** See pages 4-7

**Project Schedule 25%:** See page 4.

## **Other Requirements:**

- Our W9 is included in the appendix.
- Insurance requirements are met and an example COI is included in the appendix.
- Hourly rate schedule is included in the appendix.
- Vendor form is included in the appendix.

### Attachment I: Vendor Information Form

Company/Firm Name

Firm Name: Robinson Design Engineers

Legal Name: J.L. Robinson, Inc.

Mailing Address

131 3rd Avenue West, Hendersonville, NC 28792 // 10 Daniel Street, Charleston, S

Contact Name

Philip Ellis

Contact Title

Principal

Phone Number

(864) 901-1611

Fax

Email

pe@robinsondesignengineers.com

robins

Federal Tax ID Number

Unique Entity Identification Number (SAM.g

Required Documentation

Internal Routing

Completed IRS W-9 form dated within calendar year and signed by authorized personnel.

W9 Received

Minority and Women Owned Business (MWBE) certification, if applicable.

MWBE Certification Received

Unique Entity Identification Number  
confirmed in SAM.gov



THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b>  ASSURED PARTNERS OF NC LLC CL HANOVER CSC/ STE 350 4505 FALLS OF NEUSE RD RALEIGH NC 27609	CONTACT NAME: PHONE (A/C, No, Ext): (844) 367-7899 E-MAIL ADDRESS: Certificate@Hanover.com INSURER(S) AFFORDING COVERAGE	FAX (A/C, No): (866) 828-2424 NAIC #
	INSURER A : Hanover Insurance Co INSURER B : Allmerican Financial Alliance INSURER C : INSURER D : INSURER E : INSURER F :	22292 10212
<b>INSURED</b>  J L ROBINSON INC ROBINSON DESIGN ENGINEERS 10 DANIEL ST CHARLESTON SC 29407		


**COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	N	N	RH6 D008231 04	08/06/2023	08/06/2024	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ INCLUDED \$	
A	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY	N	N	RH6 D008231 04	08/06/2023	08/06/2024	COMBINED SINGLE LIMIT (Ea accident) \$ INCLUDED BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$	
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> EXCESS LIAB OCCUR CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$	
B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	N	WK6 D789159 04	05/22/2023	05/22/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Architects & Engineers Prof Liab	N	N	LH6 H008192 05	08/06/2023	08/06/2024	Claims-Made: \$1M Ea Claim/\$2M Agg	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**CERTIFICATE HOLDER CANCELLATION**

[Redacted Certificate Holder Information]	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 



## 2024 HOURLY RATE SCHEDULE

Senior Engineer	\$175
Professional Engineer	\$160
Hydrologist / EI	\$130
Designer	\$105
Admin / Intern	\$70

## 2023 HOURLY RATE SCHEDULE

Senior Engineer	\$160
Professional Engineer	\$150
Hydrologist / EI	\$120
Designer	\$90
Admin / Intern	\$60

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131 Third Avenue West  
Hendersonville, NC 28792  
[robinsondesignengineers.com](http://robinsondesignengineers.com)

