

REQUEST FOR BOARD ACTION

HENDERSON COUNTY

BOARD OF COMMISSIONERS

MEETING DATE: December 2, 2013

SUBJECT: Engineer Selection
Old Fairgrounds Site Development & Grading Project

PRESENTER: Marcus A. Jones, P.E.

ATTACHMENTS: Yes

1. Appalachian Regional Commission Grant Award Letter from Governor McCrory
2. Statement of Qualifications from William G. Lapsley & Associates

SUMMARY OF REQUEST:

With the award of a grant from the Appalachian Regional Commission from Governor McCrory for the Fairgrounds Site Development & Grading Project (see attached letter), Engineering staff has solicited firms for engineering services to design, permit, bid and administer construction for the project.

In accordance with NC General Statute 143-64.31 (Procurement of Architectural, Engineering, and Surveying Services), staff developed a Request for Qualifications (RFQ) and on November 1, 2013, posted it on the County's website with one response from William G. Lapsley & Associates (WGLA). The response was received by the deadline on November 15, 2013.

A detailed review of the firm was conducted based on the criteria established within the RFQ. The selection criteria are as follows: Project Team, Project Experience, Design Performance, Relationships with Funding and Regulatory Agencies, and Customer Service. Based on their Statements and further investigations, staff recommends WGLA as the most qualified firm.

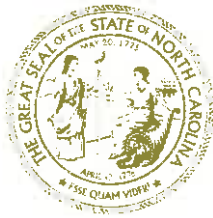
Upon approval of WGLA as the most qualified firm by the Board of Commissioners, Engineering staff will negotiate a scope of work and fee for the project and bring the resulting agreement back to the Board for approval with the grant agreement.

BOARD ACTION REQUESTED:

Authorize the selection of William G. Lapsley as the most qualified responding firm to perform the engineering services for the Fairgrounds Site Development & Grading project.

Suggested Motion:

I move that the Board authorize the selection of William G. Lapsley as the most qualified responding firm to perform the engineering services for the Fairgrounds Site Development & Grading project.



STATE OF NORTH CAROLINA
OFFICE OF THE GOVERNOR

PAT MCCRORY
GOVERNOR

October 1, 2013

Andrew Tate, President
Henderson County Partnership for Economic Development
330 North King Street
Hendersonville, NC 28792

Dear Mr. Tate,

It is with great pleasure that I notify you that the Fairgrounds Site Development & Grading Project has been recommended to the Appalachian Regional Commission as part of the North Carolina 2014 Appalachian Investment Program. My recommendation reserves \$175,000 from the state's allocation for your project.

The North Carolina Appalachian Regional Commission Program Office will contact you regarding grant conditions that must be met before funding is approved by the Appalachian Regional Commission. We look forward to working with you on this project.

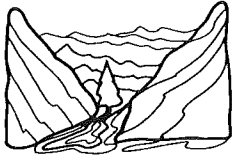
If you have questions regarding this recommendation please contact Olivia Collier, ARC Program Manager, at 919-571-4900.

Sincerely,

A handwritten signature in black ink that reads "Pat McCrory". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Pat McCrory

PLM/oac



William G. Lapsley & Associates, P.A.

Consulting Civil Engineers and Land Planners

William G. Lapsley, P.E.
William R. Buie, P.E.
G. Thomas Jones III, P.E.

November 14, 2013

Mr. Marcus Jones, P.E.; County Engineer
Henderson County Engineering Department
1 Historic Courthouse Square, Suite 6
Hendersonville, NC 28792

RE: Fairgrounds Industrial Site
Engineering Proposal – Statement of Qualifications

Dear Mr. Jones:

William G. Lapsley & Associates (WGLA) sincerely appreciates the opportunity to submit a proposal for engineering services related to the grading for the Old Fairgrounds Site. WGLA is very familiar with this site as our company worked on the development of the Elkamet site adjacent to the Old Fairgrounds property. Our experience and knowledge of the project will allow for an accelerated schedule for design, permitting and construction.

WGLA has extensive experience and expertise to assist the County with this project. Our company has worked on numerous industrial projects in Henderson County and Western North Carolina including projects in Ferncliff Park and Broadpointe Park. We have also worked closely with NCDENR and NCDOT in permitting numerous projects in Western North Carolina.

Finally, being a local firm with Henderson County employees, we believe we can provide a level of service that cannot be matched by other firms.

We look forward to the opportunity to work with the County again. If you have any questions about our firm or our proposal, do not hesitate to contact our office.

Sincerely,
WILLIAM G. LAPSLEY & ASSOCIATES, P.A.

William R. Buie, P.E.

WILLIAM G. LAPSLEY & ASSOCIATES, P.A.

I. Firm Profile:



William G. Lapsley & Associates
214 North King Street
Hendersonville, NC 28792

William G. Lapsley & Associates, P.A. is a firm of professional civil engineers established in 1985. Our office is located on King Street in downtown Hendersonville. Our staff includes four (4) civil engineers licensed in four states. We provide a wide array of civil engineering and land planning services for private developers, industry as well as municipal and state government. Mr. William Lapsley, P.E., is the principal engineer of the firm. His leadership and expertise is well known throughout Western North Carolina. Since the establishment of the firm in 1985, William G. Lapsley & Associates, P.A. has provided design, permitting, contract administration, and construction observation services for countless projects of various sizes and magnitudes.

COMPANY STRENGTHS:

Local Firm - William G. Lapsley & Associates is a local engineering firm. Our projects are typically located within a two-hour radius. Being a local firm, we regularly work with the municipal and governmental agencies in Western North Carolina and Upstate South Carolina that will be permitting your project. This local knowledge and relationship with the permitting agencies helps provide a smooth and quick approval process. Being local, we can visit your project site on short notice to answer construction questions, assist in field changes, and make sure your project is completed in a timely manner.

Technical Experience & Competence - William G. Lapsley & Associates provides a broad basis for technical experience and competence in our field. Our office is divided into teams with professional engineers serving as project managers and leaders. The majority of our technical staff holds technical degrees in their field. We encourage our employees to further their careers by extending their education in the civil engineering field. We have supported our employees who have accepted this challenge with flexible work schedules and tuition assistance.

Stability - The leadership of William G. Lapsley & Associates and our employees is the basis for a very stable company. Many of our employees have over 10 years of service with the company and some are approaching 20 years. Each of our project managers has a minimum of 20 years of experience in the engineering field. The core leadership group has also been together for over 15 years. All of this presents a very stable platform for planning and design of your project all the way through construction.

Size - William G. Lapsley & Associates is the perfect size to provide planning and design services for your project whether the project is a new 4,000 acre community, a mixed-use brownfield development, or a municipal utility project. With our staff of 7, we are able to providing engineering services for a very large multi-phased project. However, being a small firm, we provide the type of individual attention your project deserves.

COMPANY FOCUS:

Projects - William G. Lapsley & Associates has had the opportunity to work on amazing projects such as publicly funded grant projects, large-scale golf course communities, and mixed-use brownfield developments. We are very proud of the projects we work on from the local schools and hospitals to new communities we help create. We feel that selecting high-quality projects that complement our community is very important. Our reputation is carried forward with each of our projects.

Employees - William G. Lapsley & Associates realizes the importance of our employees in the success of our company. We believe that providing a stable and challenging work environment with rewarding benefits will result in loyal, hard-working employees dedicated to providing our clients with the best engineering services available.

Community - William G. Lapsley & Associates believes that being part of our community goes hand in hand with providing a service to our clients. We encourage our employees to become part of the community through participation in family, civic and religious organizations. Our company supports many local foundations and charities through our service, participation and financial support.

Program of Services:

William G. Lapsley & Associates, P.A. provides **Planning, Engineering, Construction Administration** and **Project Observation** services. Following is a partial list of our services:

CIVIL ENGINEERING

Dams and related structures
Roadway design
Erosion control systems and plans
Stormwater management plans
Best management practice (BMP) design
Grading plans
Paving plans



MUNICIPAL ENGINEERING

Water distribution and storage systems
Water pumping systems
Wells and water treatment systems
Wastewater collection systems
Wastewater pumping systems
Wastewater treatment systems
System mapping and planning (GIS)
Grant and loan acquisition assistance



PLANNING

Residential subdivision planning
Commercial & educational site planning
Industrial site and park planning
Recreational Parks



CONSTRUCTION MANAGEMENT

Project cost estimating & budgeting
Project scheduling
Bidding and procurement assistance
Contract administration
Construction coordination
Construction observation and inspection



William G. Lapsley & Associates, P.A.

2. Project Team

a. Key Staff Members – Qualifications and Experience:

We have a staff of 7 with four registered professional engineers licensed in four (4) states. To serve Henderson County, William G. Lapsley & Associates (WGLA) has assigned the following staff members to this project:

William R. Buie, P.E. will serve as the project manager for the Old Fairgrounds grading project. Mr. Buie has over 20 years of experience designing roadways, storm water collection & control systems, etc. and has 15 years of experience in Western North Carolina. Mr. Buie has also worked closely with Henderson County for almost 10 years on various projects.

G. Thomas Jones, III, P.E. will provide project oversight and peer review for the project. Mr. Jones has over 20 years of experience with roadway construction and stormwater drainage systems. Mr. Jones has personally designed a number of projects for Henderson County Public Schools, the Cane Creek Water & Sewer District, Henderson County, and others.

Timothy W. Tankersley will be the lead design technician for the Old Fairgrounds grading project. Mr. Tankersley has over 14 years of experience designing civil infrastructure projects in Henderson County.

Stephen Watts will be in charge of construction observation and inspections for the Old Fairgrounds grading project. Mr. Watts has over 6 years of experience in this role with William G. Lapsley & Associates and additional construction experience prior to that role.

Resumes for the project team members are included in this section.

William G. Lapsley & Associates, P.A.

3. Recent Related Project Experience

a. Related Project Experience:

William G. Lapsley & Associates have worked on numerous industrial grading projects throughout Western North Carolina. Following are selected projects recently completed that are similar in nature to the project proposed at the Old Fairgrounds.

-Sierra Nevada

Client – Sierra Nevada Brewing Company
Contact – Stan Cooper
Sierra Nevada Brewing Company
1075 E. 20th Street
Chico, CA 95928
(530) 893-3520
s.cooper@sierranevada.com

Project Description – This project involved the planning, engineering and development for the new Sierra Nevada brewery located in Mills River, NC. WGLA worked with Sierra Nevada in preparing the grading, stormwater management and site improvements design for the new facility. The Owner had very specific goals in developing the site to be an efficient facility while being visitor friendly all while being very sensitive to the surrounding natural environment.

WGLA worked closely with Sierra Nevada through several iterations of the site plan and grading plan for the overall facility. WGLA prepared the detailed design, secured all permits and assisted in the management of the construction for this project.

-Broadpointe Industrial Park

Client – Cadgene Family
Contact – M.J. Cadgene
Random Walk Ranch
34001 35.00 Road
Redvale, Colorado 81431
(970) 327 – 4694
mjtelluride@hughes.net

Project Description – This project involved the planning, engineering and development of a 350 industrial park located in Mills River, NC. WGLA worked with the property owner and The Henderson County Partnership for Economic Development in the planning and marketing of the Park and has worked with each of the industries in the Park in the planning, engineering and site development for their facilities.

WGLA worked with Henderson County and NCDOT to provide modifications and improvements to the main entrance road into the Park. This project used a combination of NCDOT and local funds to design and construct the road improvements. WGLA prepared the detailed design, secured all permits and managed the construction for this project.

-Enka Center and Enka Commerce Park

Client – Fletcher Partners
Contact – Martin Lewis
1091 Hendersonville Road
Asheville, NC 28803
(828) 274-2479
martin@lewisrealestatenc.com

Project Description – WGLA worked with the property owners to develop a plan for a 150 acre industrial park that has since been expanded to include an additional 200 acres of property that will be redeveloped as commercial, retail, and industrial uses. The planning and design for this project included the development of a public road to serve multiple industrials. The expansion of the project required the planning and design of a new access that will connect to US 19/23 and include a five lane bridge over the Norfolk Southern Railroad and Hominy Creek. This road will be funded with a combination of NCDOT, local and private sources. WGLA has provided the detailed planning, design and permitting for these facilities.

-Ferncliff Industrial Park

Client – Henderson County Partnership for Economic Development
Contact – Andrew Tate, President
330 North King Street
Hendersonville, NC
(828) 692-6373
andrew@hcped.org

Project Description – This project involved the development of a master plan for the 260 acre tract of land located adjacent to the Asheville Regional Airport. WGLA prepared the master plan and outlined the utility line extensions required for the development. WGLA worked with the HCPED to obtain the State Site certification for this development. WGLA obtained water & sanitary sewer line extension permits for the proposed project.

William G. Lapsley & Associates, P.A.

4. Project Approach

Introduction

William G. Lapsley & Associates (WGLA) understands the County's goal of providing a marketable industrial site at the Old Fairgrounds property. By rough grading the site to maximize the useable acreage, the County, working with the Henderson County Partnership for Economic Development, will be able to provide prospective industries a site that requires minimal preparation for development.

WGLA understands the challenge of preparing a grading plan for an end user that has not yet been identified. We will work closely with the County and the HCPED to prepare a plan that provides maximum flexibility for the property while still maximizing the usable acreage on the site and continuing to provide the opportunity for rail access to the site.

The following individual tasks will be used to provide a comprehensive project approach:

Review and Confirmation of Preliminary Grading Plan & Preliminary Design

During this phase of the project William G. Lapsley & Associates (WGLA) will work with officials from the County and the HCPED, to confirm the goals for the site development at the Old Fairgrounds. This would include a review of the site survey with the Owner, discussions with Norfolk Southern about a potential rail spur and discussions with the HCPED about current industrial needs and requests.

WGLA will prepare an updated preliminary grading plan for the site to include suggestions about building pad and parking field locations and sizes. We will review these preliminary plans with the County and HCPED.

Following review and approval of the preliminary plans and grading concepts, WGLA will prepare an updated construction cost estimate for the project. We will also prepare a technical memorandum listing all of the permits necessary for this project and the approximate timeline for securing the permits.

Preparation of Final Plans and Engineering Specifications

After Henderson County and the HCPED have reviewed the preliminary design for the project, WGLA will prepare the detailed plans and specifications for the grading project. These plans will include details for the grading of the site as well as construction details for the project. The specifications will provide detailed construction guidelines for a contractor to follow during construction.

Submittal to Regulatory Agencies

Upon completion of the final plans and engineering specifications, WGLA will coordinate submittal of the project to all necessary regulatory agencies for their approval of the project. Based on our review, we anticipate the following permits will be required:

- Sedimentation and Erosion Control Permit – NCDENR
- Driveway Access Permit – NC Department of Transportation

WGLA will coordinate the preparation of all permit forms and signatures necessary and will work closely with the regulatory agencies to answer questions or comments they may have.

Design Approval & Bidding

Once the final design has been approved by all the regulatory agencies, WGLA will incorporate all permit comments and complete a bid package for release to contractors. Due to the project schedule, WGLA will be working on the detailed bid package concurrently with permit reviews so that the project can be advertised for bids very quickly following approval of the permit agencies.

During the course of the bidding process, WGLA will conduct a prebid meeting with potential bidders to answer questions about the project. WGLA will also coordinate any project addenda that may be necessary to clarify contractor questions. Finally, WGLA will participate in the bid opening process by attending the bid opening, reviewing the bids, providing a bid tabulation summary, and offering a recommendation of award to the County.

Preconstruction Conference

Once Henderson County has accepted bids and awarded the project, WGLA will conduct a preconstruction meeting with the Contractor, the County and other interested parties. We will discuss the project schedule and expectations from the County. Notes from the preconstruction meeting will be circulated to all parties following the meeting.

Construction Administration and Inspection

During the course of construction, WGLA will visit the project site weekly to meet with the Contractor to review the work in progress. Construction observation reports will be prepared weekly summarizing the progress of construction and identifying any issues that need to be addressed by the Contractor.



Finally, WGLA will review all contractor pay requests for accuracy and completeness. We will verify the monthly quantities and make recommendations for payment. Should any change order requests be issued by the Contractor or the County, WGLA will review the requests and make recommendations.

Project Closure

At the completion of construction, WGLA will meet with the Contractor, the County staff and the HCPED to prepare a punch list for items that must be completed before the project can be closed out. This punch list will be formalized and sent to all parties.

William G. Lapsley & Associates, P.A.

5. Project Schedule

WGLA understands the County's desire to complete this project as soon as possible. We are available to begin working on this project immediately upon execution of the contracts and issuance of a notice to proceed. Based on that, we offer the following project schedule, assuming a notice to proceed is issued by December 1, 2013:

<u>Task</u>	<u>Complete By</u>
Review of Preliminary Design	January 1, 2014
Final Engineering & Project Specifications	February 1, 2014
Submittal to Regulatory Agencies	February 1, 2014
Design Approval (Permits Received)	March 7, 2014 (1)
<u>Project Bid Schedule</u>	
Advertisement of Bids	March 12, 2014
Bid Opening	April 1, 2014
Approval of Contracts	April 16, 2014
Begin Construction	May 1, 2014
Substantial Completion	July 31, 2014 (3)
Project Close Out	August 31, 2014

Footnotes:

(1) The design approval timeline by the Regulatory Agencies is an estimate based on past project experience. The NCDENR review of the sedimentation and erosion control plan is typically 30 days. The erosion control plan can be permitted through the NC Division of Land Quality Fast Track program which can reduce the time to 14 days. Finally, the NCDOT review and approval of this project is estimated to take approximately 30 days.

(2) The begin construction date listed above is based on the receipt of all permits, and approval of the bids by the County. Should delays occur in permitting or project bid approval, the construction start might be delayed.

(3) Substantial completion means that the majority of all construction has been completed and the only remaining work items are punch list repairs or minor cleanup.

Strategy to Complete Project As Soon As Possible

Our strategy to complete the project as soon as possible is to begin work immediately upon the County's selection of our firm. We would overlap tasks where feasible without compromising the integrity of the project. Examples include: beginning the preliminary design phase while the survey work is in process. Assuming that the funding agencies find this acceptable, the bidding process could also possibly be conducted at the same time as permitting.

William G. Lapsley & Associates, P.A.

6. Hourly Billing Rates for Firm

BASIC FEE SCHEDULE 2/5/13

I. PROFESSIONAL FEES (Hourly Rate)

Principal Engineer	\$125.00
Project Manager	95.00
Project Engineer	85.00
Associate Engineer	65.00
Engineering Technician	50.00
Construction Inspector	50.00
Computer-aided Design Technician	40.00
Field Technician	35.00
Clerical	30.00

II. EXPENSES

- A. Mileage - \$0.70 per mile
- B. Telephone, reproduction costs, postage, overnight lodging, meals, and other incidental expenses shall be a direct charge per receipts.

III. ASSOCIATED SERVICES

Associated services required by the project such as soil analysis, materials testing, etc., shall be identified and agreed upon prior to initiating work.

William G. Lapsley & Associates, P.A.

7. References

William G. Lapsley & Associates, P.A. (WGLA) provides the following references from work experience on similar projects. We invite you to contact these references.

-Mr. Andrew Tate, President and CEO

Henderson County Partnership for Economic Development

330 North King Street

Hendersonville, NC 28792

(828) 692-6373

andrew@hcped.org

Reference Projects – Warm Company Sewer Extension
Multiple Economic Development Projects

-Mr. Jim Ball, Town Manager

Town of Laurel Park

441 White Pine Drive

Laurel Park, NC 28739

(828) 693-4840

jball@laurelpark.org

Reference Projects - Multiple Utility Extension Projects
Multiple Mapping Projects

-Ms. Jaime Laughter, Town Manager

Town of Mills River

124 Town Center Drive

Mills River, NC 28759

(828) 890-6560

jaime.laughter@millsriver.org

Reference Projects - Jeffress Road Sewer Extension
Mills River Park

-Mr. Mark Gibbs, P.E., Division Maintenance Engineer

NCDOT

55 Orange Street

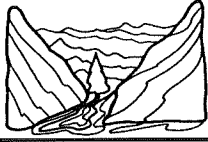
Asheville, NC 28801

(828) 251 - 6171

mgibbs@ncdot.gov

Reference Projects - Pleasant Grove Church Road Relocation
Broadpointe Industrial Park

William G. Lapsley & Associates, P.A.
Civil Engineering & Land Planning



William R. Buie, P.E.
Project Manager

PERSONAL INFORMATION

Education:

North Carolina State University Bachelor of
Science–Civil Engineering (1992)

Professional Licenses:

Registered Professional Engineer
North Carolina (1997)
Tennessee (2009)

Professional Affiliation:

American Society of Civil Engineer
National Society of Professional
Engineers

Miscellaneous:

- Henderson County Partnership for Economic
Development Board Member

Seminars and Workshops:

- “Stormwater Issues and Flood Analysis” UNCC
(2007)
- “Low Impact Development (LID) Summit” WRRRI
(2008)
- “Community Design Workshop” Henderson
County (2010)
- “Erosion and Sedimentation Control Design
Workshop” NCDENR (2010)
- “Stormwater Wetland Design Workshop”
NCDENR (2011)
- “Erosion Control Design Workshop”
NCDENR (2011)
- “Permeable Pavement Design Workshop”
NC State University (2012)
- “Stormwater BMP Retrofit and Rehab”
NC State University (2013)

SELECTED PROJECT EXPERIENCE

Roadway Design – Includes Roadway Design,
Utilities, Hydraulics, Erosion Control, Construction
Administration.

- Brights Creek Golf Club – 5,000 acre residential
community with approximately 1200 homes, 3
golf course and many other recreation facilities.
Includes over fifty (50) miles of new road
construction and roads to be improved.

Sanitary Sewer Improvements:

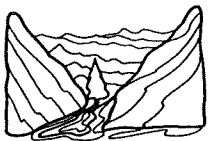
- Design, permitting and construction management
of over 200,000 lf of gravity sewer and 25
pumping systems for public and private clients
throughout North Carolina.

Water system Improvements:

- Design, permitting and construction management
of over 150,000 lf of water lines, fire booster
pump stations and multiple storage tanks (ground
storage and elevated) throughout North Carolina.
- Fleetwood Storage Tank
Laurel Park, NC
Design and permitting for new 200,000 gallon
ground storage tank to serve the Laurel Park
water system.

Site Development Projects:

- Davidson River Village
Brevard, NC
Conceptual site plan and approvals through the
City of Brevard for the redevelopment of the
former Ecusta industrial site in Brevard, NC.
Project involved the master planning of the
redevelopment and coordination of entitlements
with the City of Brevard.
- Transylvania Regional Hospital
Brevard, NC
Design, permitting and construction
administration for multiple projects at the
Hospital including an update of the campus master
plan and coordination of the approval of the
master plan through the City of Brevard.



PERSONAL INFORMATION

Education:

Clemson University, Clemson, SC
Bachelor of Science—Civil Engineering
(1992)

Professional License:

Registered Professional Engineer
North Carolina (23091), South Carolina (27293)

Professional Affiliations:

Member of American Society of Civil Engineers
(ASCE)

Prior Employment:

NCDOT, Raleigh, NC (1993-1997)

Seminars and Workshops:

- “Structural BMPs for Storm Drainage Systems”
Greenville, SC (2009)
- “Community Design Workshop”
Blue Ridge Community College (2010)
- “Stormwater Wetland Design Workshop”
NCSU (2011)
- “Low Impact Development”
NCSU (2012)

SELECTED PROJECT EXPERIENCE

Roadway Design:

- I-306DC
NCDOT
Durham County, NC
Complete plan production including generation of plans, profiles, and cross-sections for I-85 in Durham. Sent this project to the Hydraulics department. Added all proposed storm drainage to plans and cross sections. Sent plans to Right of Way department for land acquisition.

Site Improvements

- Henderson County Middle Schools
Henderson County, NC
Complete site design for additions and renovations for Hendersonville, Rugby, and Flat Rock Middle Schools. Hendersonville Middle School included new roadways, parking, sidewalks, site grading, stormwater management, erosion control, water & sewer improvements and recreational facilities.

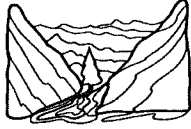
Residential & Water Systems:

- Lonesome Valley
800-Acre Residential Subdivision
Cashiers, NC
Design and permitting of approximately 49,000 linear feet of roads, water lines, and low pressure collection system to serve 210 homes. The project includes several new wells, water pump stations, and a large sanitary sewer lift station.

Sanitary Sewer & Grants:

- Henderson County Mills River Sewer Projects
Planning, cost estimating, design, permitting, bidding assistance, and construction administration for more than five miles of 8” to 24” gravity sanitary sewer lines. This project extended gravity sewer into the Mills River area of Henderson County. The gravity sewer has allowed private owners to abandon four individual treatment facilities and various failing septic systems. A NEPA Environmental Assessment (EA) was prepared and Corps of Engineers, NCDENR, and NCDOT permits were also required. Assisted the County with grant applications for the North Carolina Department of Environment and Natural Resources (DENR) and the Clean Water Management Trust Fund. Henderson County was awarded \$500,000 from the Clean Water Management Trust fund as well as \$1.5 Million in Federal monies.

William G. Lapsley & Associates, P.A.
Civil Engineering & Land Planning



Timothy W. Tankersley
Engineering Design Technician

PERSONAL INFORMATION

Education:

ASHEVILLE BUNCOMBE TECHNICAL
COLLEGE
Asheville, NC
Civil Engineering Technology – 5/04

ITT TECHNICAL INSTITUTE
Greenville, S.C.
Associate of Applied Science Degree
Computer Aided Drafting – 11/97

EAST HENDERSON HIGH SCHOOL
Flat Rock, N.C.
2 Years Cad Drafting Class
Graduated – 1996

Professional Experience:

David C. Huntley & Associates 1997-1999
Land Surveyors
Flat Rock, North Carolina
Duties:

Research Property Deeds and Plats
Scheduling Surveys
Drawing Plats
Field Surveying

Maintain strong customer satisfaction

Achievements:

Honors at ITT
Member National Vocational Technical Honors
Society
Competed at 1995 NC VICA competition
Vocational-Industrial Clubs of America –2 yrs.

SELECTED PROJECT EXPERIENCE

- **Shuey Knolls Subdivision**
Henderson County, NC
Design technician for this multi-phased residential project. Responsible for the design and calculations for:
 - new roads and stormwater improvements
 - extension of new water lines to serve the community
- **Warm Company Sewer Extension**
Henderson County, NC
Design technician and field technician for gravity sewer extension to serve the Warm Company.
- **Jackson Park Sewer Extension**
Hendersonville, NC
Design technician and field technician for 2,200 LF gravity sewer extension to serve bathroom facilities in Jackson Park.
- **Hendersonville Middle School**
Hendersonville, NC
Design technician for the expansion of the Hendersonville Middle School. Project included roadway improvements, site grading, stormwater detention and collection, etc.
- **Pardee Hospital**
Hendersonville, NC
Design technician for the Pardee Hospital Parking Deck and Emergency Room Expansion. Project included park deck facility, site grading, stormwater detention and collection, etc.
- **Pepsi Distribution Center**
Mills River, NC
Design technician for the development of a 20 acre site to serve a new 106,000 SF distribution facility and 20,000 SF service facility. Project included roadway improvements, site grading, stormwater pond, etc.



Stephen Watts
Field Technician

PERSONAL INFORMATION

Education:

Asheville-Buncombe Technical Community
College
Associates Degree – Civil Engineering
Technology
Asheville, NC (2008)

High School Diploma
West Henderson High School
Hendersonville, NC (1999)

Professional Experience:

William G. Lapsley & Associates P.A.
(2007- present)
Field Technician
Water & sewer line Testing
Inspection of storm water drainage
Inspection of erosion control measures

Lawing Grading (2003-2006)
Heavy equipment operation
Installation of small roads,
Installation of Ready-Rock walls
Installation of septic systems

John Ross Landscaping, Inc. (2001-2003)
Foreman – In charge of a crew (3-4 men)
Installing irrigation, boulder walls, water
features, timber walls, and pre-fabricated
block walls.

Selected Project Experience:

- **Shuey Knolls Subdivision**
Henderson County, NC
Inspection and construction observation for multiple phases of the Shuey Knolls Subdivision in Henderson County, NC. Project included roadway and storm drainage improvements and water line extensions.
- **Warm Company Sewer**
Henderson County, NC
Inspection and construction observation for a sewer extension to serve the expansion of the Warm Company in Henderson County, NC.
- **Jackson Park Sewer**
Hendersonville, NC
Inspection and testing for 2300 LF of gravity sewer main.
- **Carolina Village**
Hendersonville, NC
Inspection of site work for a new apartment addition and assisted living addition. This included grading, drainage, erosion control, water, sewer, curbs and paving
- **Lonesome Valley**
Cashiers, NC
Inspection and testing of water and pressure sewer mains.
Inspection of erosion control for pond construction.