

December 16, 2013

Mr. Guy Nisbet, Senior Buyer
Department of Administration, Purchasing Division
2019 Washington Street East
P.O. Box 50130
Charleston, W 25305-0130

Subject: ADDENDUM TO EXPRESSION OF INTEREST FOR DNR 214040

Dear Mr. Nisbet:

TERRADON Corporation wishes to respectfully submit this ADDENDUM ACKNOWLEDGEMENT FORM for SOLICITATION NO: DNR 214040 an EXPRESSION OF INTEREST FOR DNR 214040 A Proposal to Provide Architectural and Engineering Services for the Design of a Boat Ramp, Courtesy Docks, Access Road and Parking Area of the Monongahela River at Fairmont, WV.

A Letter of Interest, qualifications and unpriced prospectus were submitted December 9, 2013, before the addendum was published. With the attached form, TERRADON acknowledges receipt of Addendum No. 1 and Addendum No. 2 and believes the necessary revisions to the proposal, plans and/or specifications, etc. were included in the originally submitted proposal.

Should you have any questions or concerns regarding this addendum acknowledgement, please do not hesitate to contact me.

Sincerely,



Ryan Wheeler
TERRADON Corporation

RECEIVED

2013 DEC 17 AM 11:23

WV PURCHASING
DIVISION

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DNR214040

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

TERRADON Corporation, Inc.

Company

Virginia L. How, CEO

Authorized Signature

12/16/13

Date

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012



TERRADON CORPORATION
P.O. Box 519
Nitro, WV 25143
Tel: 304-755-8291
Fax: 304-755-2636
www.terraddon.com

TERRADON CORPORATION
PO Box 1635
Lewisburg, WV 24901
Tel: 304-645-4636
Fax: 304-645-7614
www.terraddon.com

December 10, 2013

Mr. Guy Nisbet, Senior Buyer
Department of Administration, Purchasing Division
2019 Washington Street East
P.O. Box 50130
Charleston, W 25305-0130

Subject: EXPRESSION OF INTEREST FOR DNR 214040 A Proposal to Provide Architectural and Engineering Services for the Design of a Boat Ramp, Courtesy Docks, Access Road and Parking Area of the Monongahela River at Fairmont, WV

Dear Mr. Nisbet:

This Letter of Interest is respectfully submitted by TERRADON Corporation in response to the advertisement for an EXPRESSION OF INTEREST FOR DNR 214040 A Proposal to Provide Architectural and Engineering Services for the Design of a Boat Ramp, Courtesy Docks, Access Road and Parking Area of the Monongahela River at Fairmont, WV. Qualifications and an unpriced prospectus are also included with this Letter of Interest.

Based upon TERRADON's experience with design of recreational facilities, boat docks, access roads and many projects in Fairmont, WV and the surrounding area, combined with our expertise in surveying, mapping, permitting and construction oversight, TERRADON feels it is uniquely positioned to provide the best possible project team for this project.

Our staff also has extensive experience with a variety of land development, civil, transportation, corridor and sidewalk projects throughout the State of West Virginia, which makes us an ideal candidate to successfully complete this project on time and within budget.

Should you have any questions or concerns regarding this Letter of Interest, please do not hesitate to contact me. We look forward to hearing from you.

Sincerely,

Errin Jewell
TERRADON Corporation

12/10/13 09:38:52AM
West Virginia Purchasing Division



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Solicitation

NUMBER
DNR214040

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
GUY NISBET
304-558-8802

RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

TERRADON Corporation, Inc.
 409 Jacobson Drive
 Poca, WV 25159

SHIP TO

DIVISION OF NATURAL RESOURCES
 PROCUREMENT OFFICE
 324 4TH AVENUE
 SOUTH CHARLESTON, WV
 25303-1228 304-558-3397

ORIGINAL

DATE PRINTED
11/05/2013

BID OPENING DATE: 12/10/2013

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
PROFESSIONAL ENGINEERING SERVICES EXPRESSION OF INTEREST (EOI) THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, WILDLIFE RESOURCES SECTION, IS SOLICITING EXPRESSIONS OF INTEREST FROM QUALIFIED FIRMS TO PROVIDE ARCHITECTURAL AND ENGINEERING SERVICES FOR THE DESIGN OF A BOAT RAMP, COURTESY DOCKS, ACCESS ROAD AND PARKING AREA ON THE MONONGAHELA RIVER AT FAIRMONT, WV. PER THE ATTACHED SPECIFICATIONS. ***** THIS IS THE END OF RFQ DNR214040 ***** TOTAL: _____						

SIGNATURE	<i>Muhammad U. Riaz</i>	TELEPHONE	304-755-8291	DATE	12/05/13
TITLE	President	FEIN	55-0687626	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

TERRADON Corporation, Inc.

(Company)

Muhammad U. Riaz

(Authorized Signature)

Muhammad Riaz, President

(Representative Name, Title)

304-755-8291

(Phone Number)

304-755-2636

(Fax Number)

12/8/13

(Date)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DNR214040

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

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TERRADON Corporation, Inc.

Company

Muhammad U. Riaz

Authorized Signature

12/8/13

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

RFQ No. DNR214040

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: TERRADON Corporation, Inc.

Authorized Signature: Muhammad U. Riaz Date: 12/08/13

State of West Virginia

County of Putnam, to-wit:

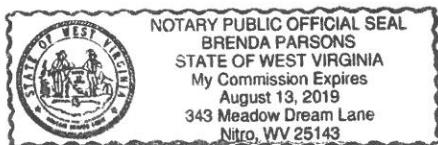
Taken, subscribed, and sworn to before me this 8th day of December, 2013

My Commission expires August 13, 2019

AFFIX SEAL HERE

NOTARY PUBLIC Brenda Parsons

Purchasing Affidavit (Revised 07/01/2012)



TERRADON CORPORATION

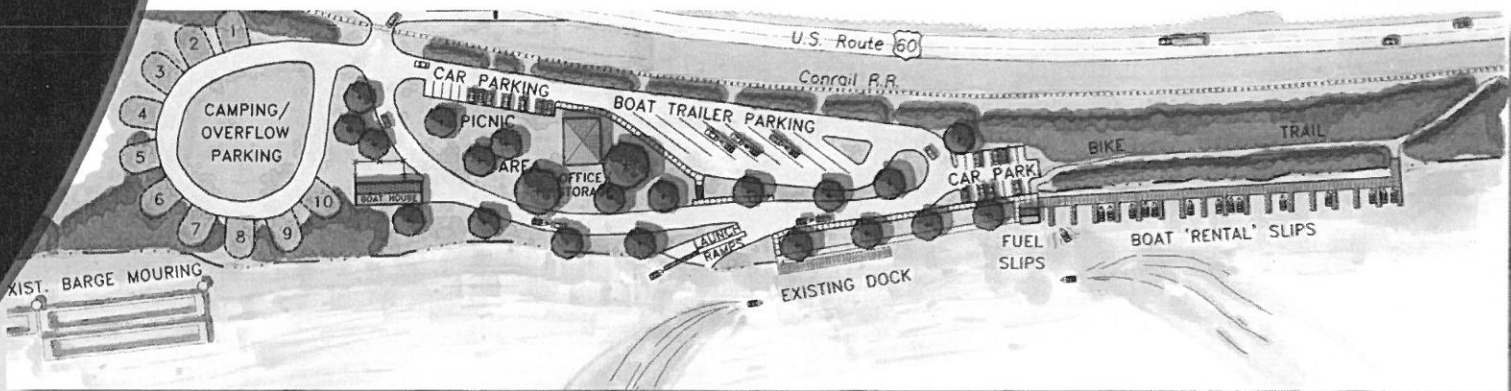
Engineering Planning Surveying

EXPRESSION OF INTEREST FOR
DNR 214040

A Proposal to Provide Architectural and Engineering Services for the Design of a Boat Ramp, Courtesy Docks, Access Road and Parking Area of the Monongahela River at Fairmont, WV

Submitted to: Mr. Guy Nisbet, Senior Buyer
Department of Administration, Purchasing Division
2019 Washington Street East
P.O. Box 50130
Charleston, W 25305-0130

December 10, 2013



Charleston Area, WV
Headquarters Office
P.O. Box 519
Nitro, WV 25143

Lewisburg, WV
425 North Jefferson Street
P.O. Box 1635
Lewisburg, WV 24901

Columbus, OH
167 South State Street Suite 250
Westerville, OH 43081

ALL LOCATIONS Phone: 304.755.8291 Fax: 304.755.2636

terraddon.com

CORPORATE OVERVIEW

NOTES:

1. The pier pad elevations were determined based on the bearing heights shown on the Bearing Details Sheet 23.
2. When finishing concrete between and beyond the beds, floor surfaces to drain from centerline of pier to edges of cap.

For pier and line through centers of bearings
 662.90 662.97 662.04 65

Pier Pad ELEVATION

Anchor bolt
 typ.

For pier and line through centers of bearings
 662.90 662.97 662.04 65

Elev. 64 Elev. 657 Elev. 651.39

PAD REINFORCED
 typ. under floor

TERRADON Corporation offers a multi-faceted approach to design engineering and consulting services. For more than 20 years TERRADON staff have provided a wealth of engineering solutions blanketing West Virginia and the Appalachian region with successful projects. The company built its reputation on expert personnel and quality, time-sensitive service. Those same founding principles hold true today.

Staff includes engineers, landscape architects, surveyors, planners, environmental scientists, designers, technicians and LEED Accredited Professionals. TERRADON Corporation has built its reputation on expert personnel and quality, time-sensitive service. Seven departments work cohesively to provide turn-key solutions that strive to exceed client expectations.

ABOUT TERRADON

The family-owned business has built its strong reputation by providing flexible, cost effective design solutions and maintaining the highest level of customer service. The firm has been recognized through numerous awards from professional organizations and agencies for excellence in engineering.

TERRADON is particularly suited to design engineering within the mountainous areas of West Virginia and the Appalachian Region. The firm has been recognized through numerous awards from professional organizations and agencies including the West Virginia Division of Highways, Department of Environmental Protection and the West Virginia Chapter of American Institute of Architects.

TERRADON's corporate culture promotes innovation and progressive thinking. Project leaders strive to sustain customers through a wide-range of engineering offerings. TERRADON employees understand the purpose behind their services and work to cultivate lasting relationships with clients through honest, hard work.

LAND DEVELOPMENT SERVICES

- Master Planning
- Presentation Drawings/Renderings
- Site Feasibility Studies
- Schematic Design
- Layout Plans
- Grading Plans
- Stormwater Management Plans
- Erosion Control Plans
- Planting Plans
- Construction Observation



LAND DEVELOPMENT MARKETS

TERRADON's Land Development Group works in a variety of markets including K-12 Education, Higher Education, Commercial/Industrial, Medical, Civic/Public and Parks/Recreation.

LOCATIONS

Headquarters/ Primary Office

Physical Address:
401 Jacobson Drive
Poca, WV 25159

Mailing Address:
PO Box 519
Nitro, WV 25143

Phone: 304-755-8291
Fax: 304-755-2636

TERRADON Corporation's headquarters office is located near Charleston, WV. TERRADON also maintains satellite offices in Lewisburg, WV and Westerville (Columbus Area), Ohio.

From this location, TERRADON's engineering reach easily extends throughout the region in regard to physical drive times, making projects in the surrounding area accessible in just a matter of hours. TERRADON routinely serves clients in all areas of West Virginia, including the Northern, Southern and 'panhandle' regions. By utilizing the latest technology, resources in three physical locations and strategic relationships with local entities when required, TERRADON is proficient in managing both cost and time for projects located throughout West Virginia and the surrounding states.

Lewisburg, WV Office

Physical Address:
425 North Jefferson Street
Lewisburg, WV 24901

Mailing Address:
PO Box 1635
Lewisburg, WV 24901

Phone: 304-645-4636
Fax: 304-645-7614

Columbus, OH Office

Physical Address:
167 South State Street, Suite 250
Westerville, OH 43081

Mailing Address:
167 South State Street, Suite 250
Westerville, OH 43081

Phone: 614-392-2997
Fax: 614-392-2953

CONTACTS

Project Opportunities

Ryan Wheeler
Director of Business Development

Land Development

Greg Fox, ASLA, LEED AP
Vice President- Land development Sector

Transportation

Joe Saunders, PE
Vice President-Transportation Sector

Water & Wastewater

Jim Downey
Vice President- Civil Engineering

Survey & Mapping

Robert Thaw, PS
Vice President - Survey and Mapping Sector

Energy

Philip Reed, PE
Vice President - Energy

Testing & Inspection

Bill Hunt, PG, LRS
Vice President- Geo/Environmental Sector

Environmental

Bill Hunt, PG, LRS
Vice President- Geo/Environmental Sector

Abandoned Mine Lands

Joe Saunders, PE
Vice President-Transportation/AML Sector

Geotechnical

Bill Hunt, PG, LRS
Vice President-Geo-Environmental

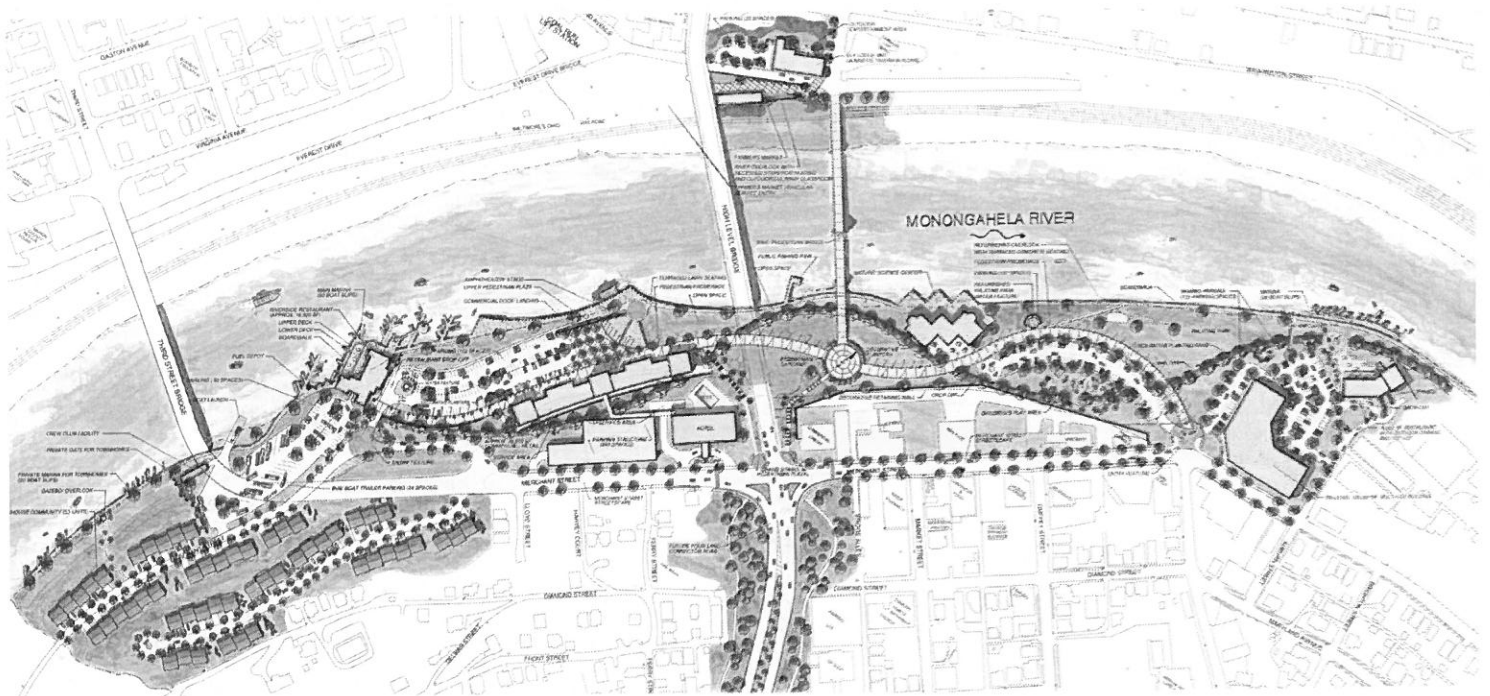
CORPORATE OVERVIEW

LAND DEVELOPMENT

Land Development covers a broad swath of TERRADON's service offerings and sees a large percentage of its annual revenue from repeat clients or referrals. The group is comprised mainly of Landscape Architects and CAD designers and works closely with every other department within the company. TERRADON's Land Development department works with public and private entities and has a strong presence in the educational, recreation and commercial development sectors.

TERRADON is recognized as a leader in providing site design and land planning services. The firm's professional landscape architects work closely with the client from the project's initial phase through a schematic design, construction documents and project delivery. TERRADON Landscape Architects remain on the forefront of sustainable design, providing LEED Accredited Professionals to clients. Projects utilizing sustainable design best practices aid clients in significantly reducing energy costs on projects.

From parks and recreation, to major commercial shopping centers, to hundreds of K-12 and higher education projects, TERRADON's Land Development projects typically incorporate multi-level parking lots suitable for hundreds of vehicles, access roads, stormwater drainage solutions and ADA compliant features.



QUALIFICATIONS

PROFESSIONAL QUALIFICATIONS



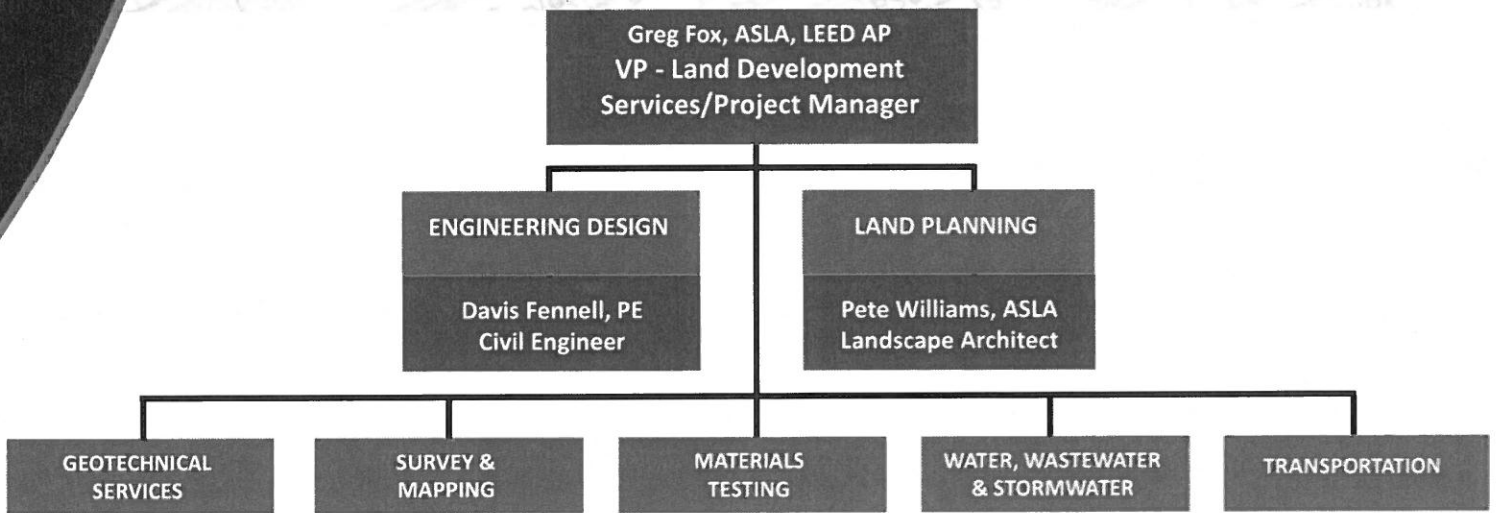
**Greg Fox,
ASLA, LEED AP
VP - Land
Development
Services**

Greg Fox has overseen the Land Development Sector at TERRADON since its inception in 2000. He offers more than 25 years of industry experience, providing engineering services to a variety of markets.

Under his guidance, the group has been the recipient of Engineering Excellence awards from the West Virginia Association of Consulting Engineers, and the Gold Award for Engineering Excellence from the American Council of Engineering Companies. Additionally, the Land Development Group has been recognized numerous times for Merit Awards by the West Virginia Chapter of American Society of Landscape Architects.

During his tenure, the Land Development Group has completed more than one hundred K-12 Educational projects and dozens of Higher Education projects.

Fox is a registered Landscape Architect in West Virginia, Ohio, North Carolina, South Carolina, Pennsylvania and Virginia. He is an active member of the American Society of Landscape Architects. Fox received degrees in Landscape Architecture and Planning from West Virginia University.



TECHNICAL EXPERTISE

Notes:

1. The pier pad elevations were determined based on the bearing heights shown on the Bearing Details Sheet 23.
2. When finishing concrete between and beyond the pads, pour surface to drain from centerline of pier to areas of abutment.
3. For microbicide details, see Sheet 44.

E pier and line through centers of bearings		PAD REINFORCING	
62	662.90	64	661.05
63	662.47	64	661.05
64	662.04	64	661.05



For pier detail specify reinforcement

Anchor bolts
1"Ø

E pier and line through centers of bearings

Shear key
3" x 2'-0"

PAD REINFORCING

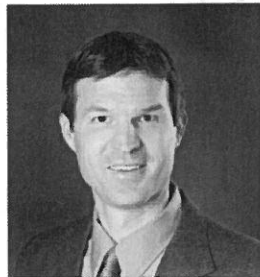
TECHNICAL EXPERTISE



Davis Fennell, PE **Project Engineer**

Davis Fennell serves as a Project Engineer at TERRADON, where he is the Principal Engineer for Land Development. Fennell oversees projects in the education, commercial, civic, and recreational markets. Fennell has 18 years of civil and environmental engineering industry experience. Prior to joining TERRADON, Fennell spent 13 years as an engineering consultant in Southeast North Carolina. He provided services to private and public sectors including master planning, roadway design, wastewater, water, storm, erosion and sediment control, permitting, construction administration and compliance monitoring.

Fennell is a registered Professional Engineer in West Virginia, North Carolina, and South Carolina. He is a member of the National Society of Professional Engineers and the American Society of Civil Engineers. Fennell received degrees in Civil Engineering and Environmental Engineering from North Carolina State University.



Peter J. Williams, ASLA **Landscape Architect**

“Pete” Williams is a graduate of West Virginia University with a Bachelor of Science in Landscape Architecture. His responsibilities include landscape architectural design, grading and storm water drainage design, the design of pedestrian circulation systems and related amenities, roadway design, site planning, and quality control. Mr. Williams is registered as a professional Landscape Architect in West Virginia with more than 13 years of experience at TERRADON and more than 22 years of overall experience.



Robert Thaw, PS **Vice President of Survey and Mapping**

Robert Thaw, Vice President of Survey and Mapping, oversees all TERRADON Survey services. TERRADON’s survey group serves a diverse range of projects in support of seven TERRADON service groups in addition to managing survey-specific clients. Thaw manages a specialty staff of Professional Surveyors and Computer Aided Drafting (CAD) designers who provide mapping, construction layout, ALTA survey, topographic survey and boundary survey services.

Thaw’s leadership has been instrumental in TERRADON’s prioritization of the use of modern technology, ensuring clients the most efficient and accurate results. Additionally, he is responsible for in-house design of commercial property sites, parking and utility easements, and review of project plans and base mapping creation. Thaw’s group also provides as-built surveys, utility identification surveys and deformation monitoring of design features such as retaining walls and dams.



Bill Hunt, PG, LRS **Vice President Geotechnical, Environmental, Materials Testing and Inspection**

Bill Hunt is a Licensed Remediation Specialist and serves as Vice President of Geo-Environmental at TERRADON Corporation. Hunt offers relevant experience in environmental documentation, investigations, and coordination with federal, state, and local agencies. He prepares Environmental Impact Statements, Environmental Assessments, Section 4(f) Evaluations, and other environmental technical documents. He supervises and participates in work plan development, field surveys, on-site monitoring, data collection, impact analysis, subconsultant management, public meeting organization and group presentations.

TECHNICAL EXPERTISE

TERRADON offers a professional and experienced staff to perform the tasks required to Provide Architectural and Engineering Services for the Design of a Boat Ramp, Courtesy Docks, Access Road and Parking Area of the Monongahela River at Fairmont, WV. TERRADON maintains in-house staff for site design tasks. Primary personnel and their specialties include:

- Greg Fox, ASLA, LEED Ap (Grading and Site Design)*
- Davis Fennell, PE (Site Design, Grading and Utilities)*
- Robert Thaw, PS (Survey and Mapping)*
- Randy Melton, PS (Survey and Mapping)
- Dave Brown, PS (Right-of-Way, Survey and Mapping)
- Bill Hunt, PG, LRS (Environmental Planning)
-

TERRADON offers the following staff in its Primary Office (Poca, WV) as part of the Land Design Team:

- Jason Asbury, Landscape Architect
- Matt Glaspey, Landscape Architect
- Shawn Gray, CAD Designer

- Mark Clutter, CAD Designer

TERRADON maintains seven West Virginia Registered Professional Engineers located in its Primary Charleston-area office, three in its Lewisburg-based office and one Ohio Registered Professional Engineer in its Columbus, OH office.

The WV Registered Professional Engineers in the Primary Office are:

- Muhammad Riaz, PE (QA/QC, Transportation and Structural)
- Joe Saunders, PE (Transportation and Structural)
- Davis Fennell, PE (Site Design, Grading and Utilities)
- Jim Nagy, PE (Utilities)
- John James, PE (Geotechnical)
- Mike Pyles, PE (Hydraulic)
- Robert Simmons, PE (Transportation and Structural)

The WV Registered Professional Engineers in the Lewisburg Office are:

- Phil Reed, PE, LEED Ap (Civil)
- Kristen McClung, PE (Hydrology and Erosion/Sediment Control)
- Andy Nutter, PE (Civil)

The OH Registered Professional Engineer in the Columbus, OH Office is:

- Gene Geiger, PE (Geotechnical)

**Full resumes for Key Personnel on this project are included in Appendix A of this submittal.*

MANAGEMENT & STAFFING CAPABILITIES

Notes:

1. The pier pad elevations were based on the bearing heights shown on the Bearing Detail.
2. When finishing concrete between and beyond the pads, foot surface to drain from centerline of pier to edges of pads.
3. For microbelle details, see Sheet 44.

[E pier and line through centers of bearings]	
G3	G4
662.00	662.04
662.07	662.04
	G5
	661

ANCHOR BOLT ELEVATION

Anchor bolt typ.

[E pier and line through centers of bearings]

40 # 4

Elev. G4

Elev. G5

PAD REINFORC

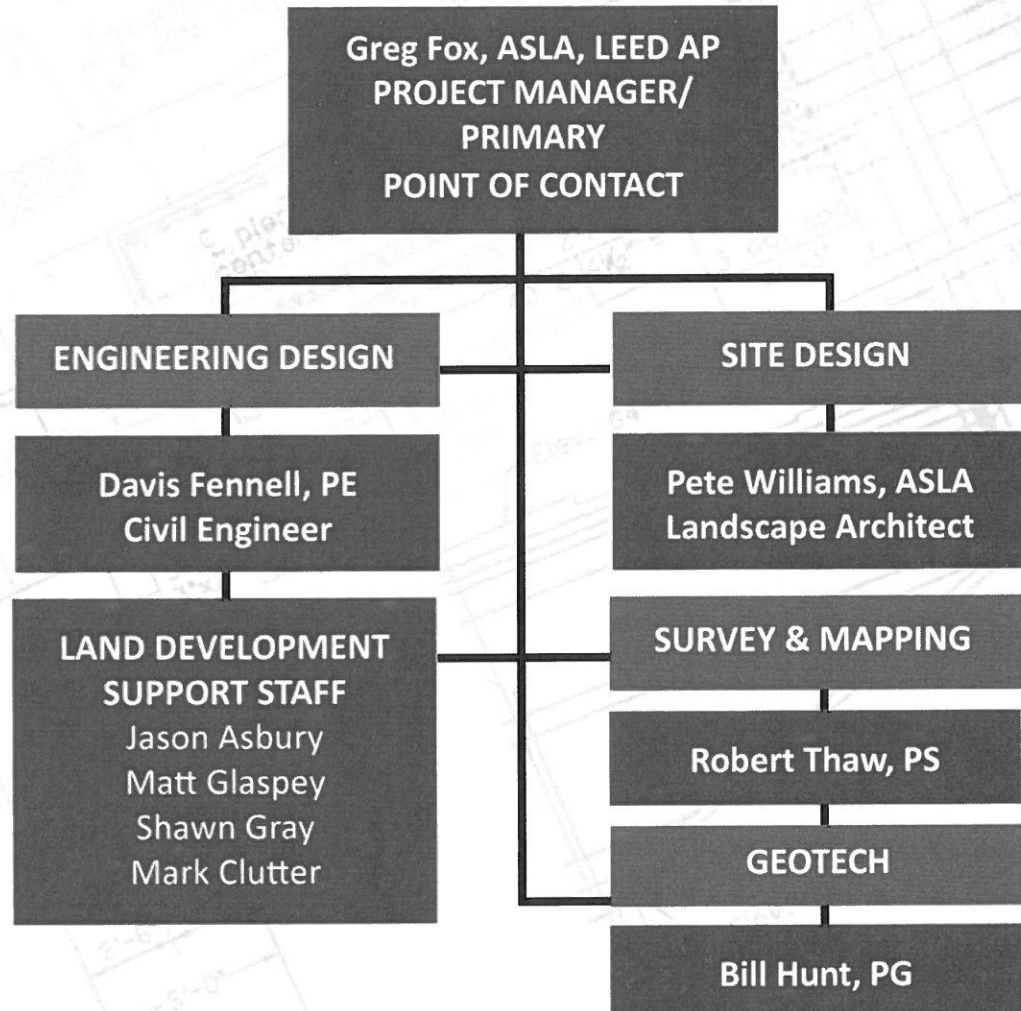
MANAGEMENT & STAFFING CAPABILITIES

TERRADON Corporation maintains more than 60 full-time staff in order to complete quality projects in an efficient and timely manner. The company maintains staffing protocols in order to supplement staff should project demands increase. At present time, TERRADON has sufficient staff in-house to manage and complete project tasks in relation to this contract.

Key Personnel:

<u>Name</u>	<u>Project Role</u>
Greg Fox, ASLA, LEED AP	Project Manager
Davis Fennell, PE	Civil Engineer
Pete Williams, ASLA	Landscape Architect
Robert Thaw, PS	Survey & Mapping
Bill Hunt, PG	Environmental/Geotechnical Services
Jason Asbury	Permitting
Matt Glaspey	Landscape Architect
Shawn Gray	Landscape Architect
Mark Clutter	Designer

Proposed Design Team:



CERTIFICATIONS

Notes:

1. The pier pad elevations were determined based on the bearing heights shown on the Bearing Details Sheet 23.
2. When finishing concrete between and beyond the pads, float surface to drain from centerline of pier to edges of emb.

6 load
ent typ.

For micropile details, see Sheet 44.

E pier and line through centers of bearings	G3	G4	G5
	662.30	662.47	662.04
			667

SEA PIG
ELEVATION

Anchor bolt
typ.

For PCC detail, see detail, smooth, steel binder

E pier and line through centers of bearings

40 #4/8
15'-0"

Elev. G4

Elev. G5
Elev. 657
Elev. 651.30

PAD REINFORC
typ. under
not

CERTIFICATIONS

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

The West Virginia State Board of Registration for Professional Engineers having verified the person in responsible charge is registered in West Virginia as a professional engineer for the noted firm, hereby certifies

TERRADON CORPORATION
C00901-00

Engineer in Responsible Charge: MUHAMMAD RIAZ - WV PE 014152

has complied with section §30-13-17 of the West Virginia Code governing the issuance of a Certificate of Authorization. The Board hereby notifies you of its certification with issuance of this Certificate of Authorization for the period of:

July 1, 2013 - June 30, 2014

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD.

[Signature]

BOARD PRESIDENT

WEST VIRGINIA
BOARD OF PROFESSIONAL SURVEYORS

Certificate of Authorization

ISSUED TO:

TERRADON CORPORATION
(Nitro, WV)

CERTIFICATE OF AUTHORIZATION No. 13-5430

This certificate is issued by the West Virginia Board of Professional Surveyors in accordance with West Virginia Code § 30-13A-20

The person or organization identified on this certificate is licensed to conduct professional surveying and mapping services in the State of West Virginia for the period **January 1, 2013 through December 31, 2013**

This certificate is not transferrable and must be displayed at the location for which issued.

In witness whereof I have put my hand,
this 17th day of December, 2012



[Signature]
ROY E. SHREWSBURY, II, Chairman

[Signature]
NELSON B. DOUGLASS, Secretary

CERTIFICATIONS

WBENC Women's Business Enterprise
National Council

hereby grants

National Women's Business Enterprise Certification to Terradon Corporation

who has successfully met WBENC's standards as a Women's Business Enterprise (WBE).
This certification affirms the business is woman-owned, operated and controlled; and is valid through the date herein.

Expiration Date: 01/29/2014
WBENC National Certificate Number: 2005112195

WBENC National WBE Certification was processed and validated by Ohio River
Valley - Women's Business Council, a WBENC Regional Partner Organization.

Authorized by Pea N. Waldon, Ph.D., Executive Director
Ohio River Valley Women's Business Council



NAICS Codes: 541330

UNSPSC Codes: 81100000



TERRADON CORPORATION is a certified Women's Business Enterprise as defined by the Women's Business Enterprise National Council. TERRADON is controlled by Virginia King, who provides more than 32 years of administrative experience to the company.

The Women's Business Enterprise National Council (WBENC), founded in 1997, is the nation's leading advocate of women-owned businesses as suppliers to America's corporations. It also is the largest third-party certifier of businesses owned and operated by women in the United States. WBENC works to foster diversity in the world of commerce with programs and policies designed to expand opportunities and eliminate barriers in the marketplace for women business owners. WBENC works with representatives of corporations to encourage the utilization and expansion of supplier/vendor diversity programs.

RELATED PRIOR EXPERIENCE

Notes

1. The pier pad elevation heights shown on the Bearing Pad Reinforcement Sheet 23.
2. When finishing concrete between and beyond the pads, root surface to drain from centerline of pier to edges of pad.
3. For alternate details, see Sheet 44.

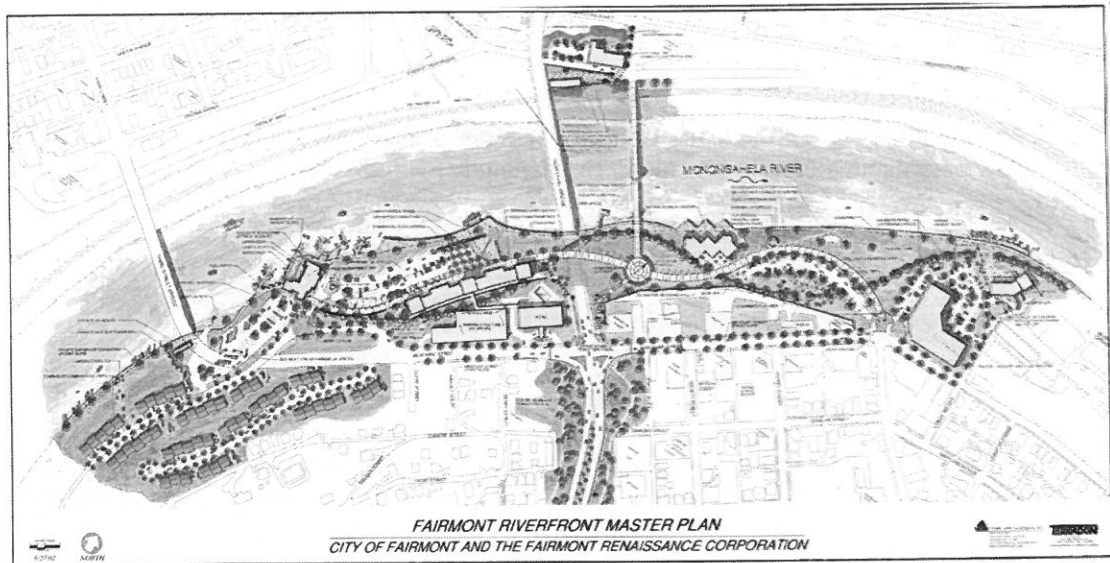
Elev. of pier and line through centers of bearings			
63	64	65	66
662.30	662.47	662.04	661.88

For pier and line through centers of bearings



RELATED PRIOR EXPERIENCE

Fairmont Riverfront Master Plan



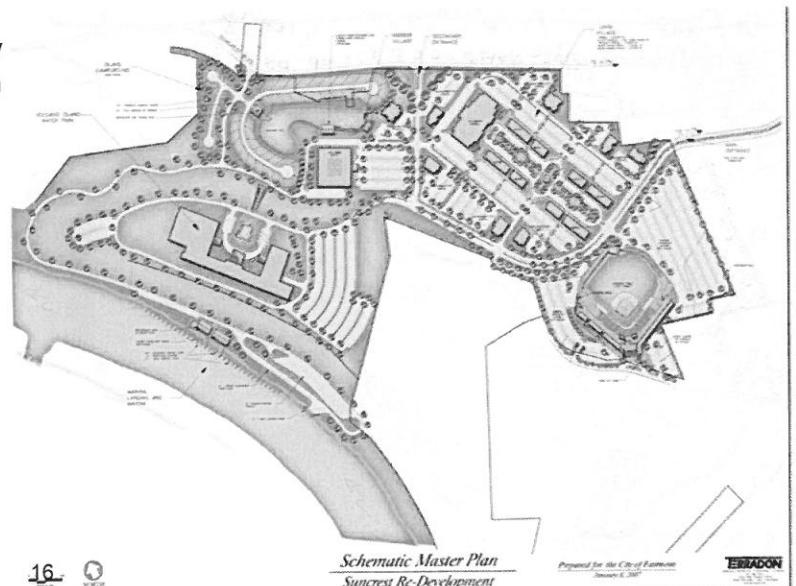
The City of Fairmont and the Fairmont Renaissance Corporation intend to develop new recreation opportunities and at the same time enhance economic development opportunities for the community. The main goal of the planning process was to develop a plan that will allow for the comprehensive development and implementation of new elements to the riverfront. The elements planned will include rehabilitation of an existing park and new recreation, commercial, and residential opportunities. This plan was designed so that the core elements of the plan will entertain people of all age groups, help with the revitalization of the surrounding neighborhood, and stimulate the entire downtown area of Fairmont.

Volcano Island

TERRADON Corporation has provided a variety of engineering services for a growing community on the East Side of Fairmont, WV to help spur economic development. The former Coke Works Site in Fairmont, WV consisted of approximate 100 acres of land. Previously listed on the EPA priority list of superfund sites, the site concluded remediation efforts in 2008. TERRADON Corporation then began providing land planning and design services to the City.

Combined with surrounding areas totaling approximately 350 acres, TERRADON provided land planning and design engineering, utility location and mapping services for the properties. The master planning provided vision for Volcano Island Water park, allowing the City of Fairmont efficient and value-based use of the former environmentally concerned site.

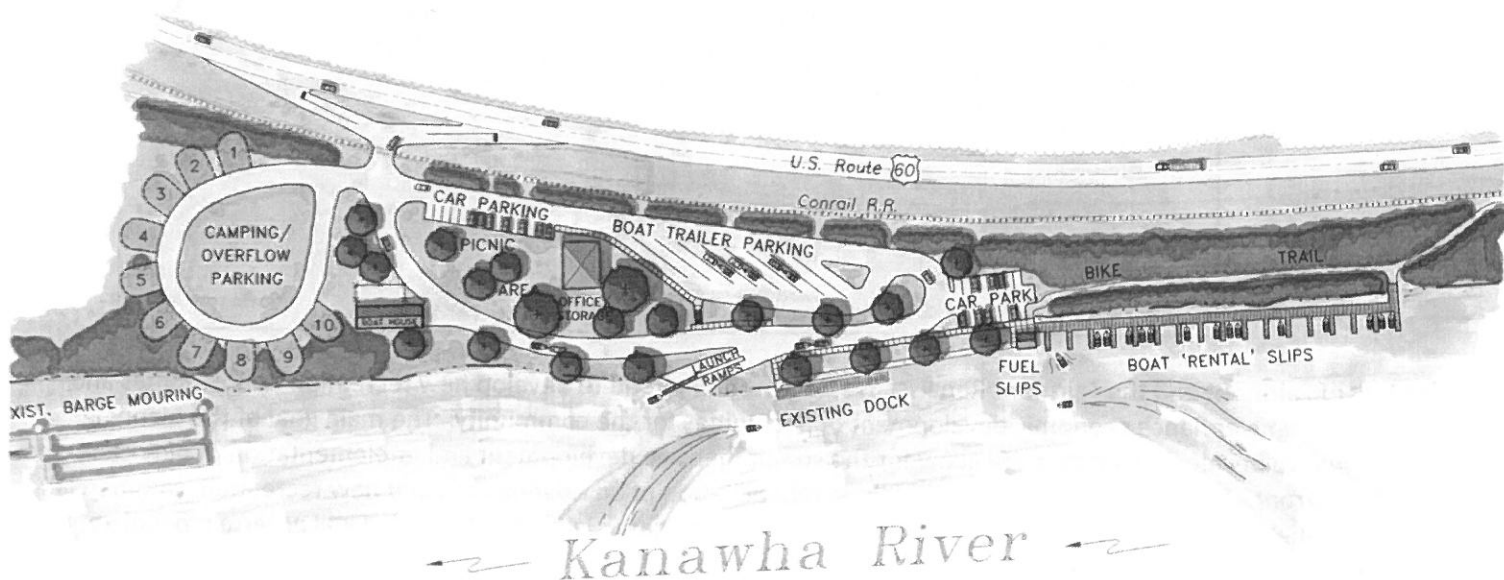
- Relevant Project Tasks Included:
- Survey and Mapping
- Land Planning
- Utility Design
- Grading and Drainage Design
- Access Road Design



RELATED PRIOR EXPERIENCE

West Virginia Tech Marina Study

TERRADON Corporation was responsible for the design of a Tech Marina Study as part of a recreational master plan study for the West Virginia University Institute of Technology Extreme Sport Committee. The study contained plans for renovation of an existing dock, fuel slips, boat rental slip expansion, a boat trailer parking lot, vehicle parking, camping sites and overflow parking on a bicycle trail along the Kanawha River.



Nitro Boat Launch

TERRADON Corporation was responsible for the design of schematic plans for the Nitro Boat Launch in Nitro, WV.

The master plan contained boat docks, an access road and parking lot to provide the local community with a recreational outlet to the Kanawha River.



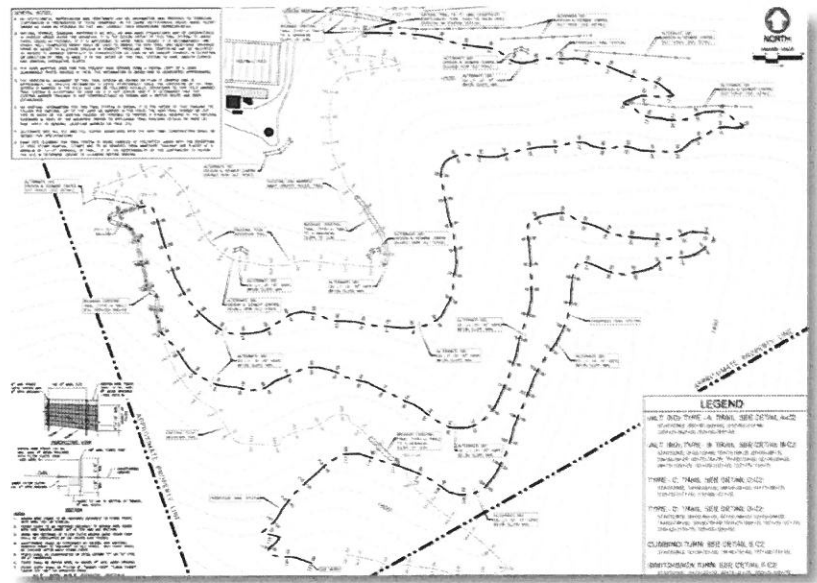
NITRO BOAT LAUNCH
SCHEMATIC PLAN

TERRADON
P.O. Box 518
Nitro, West Virginia 25133
(804) 753-6281 FAX 753-2636
LANDSCAPE ARCHITECTS • ENGINEERS • PLANNERS

RELATED PRIOR EXPERIENCE

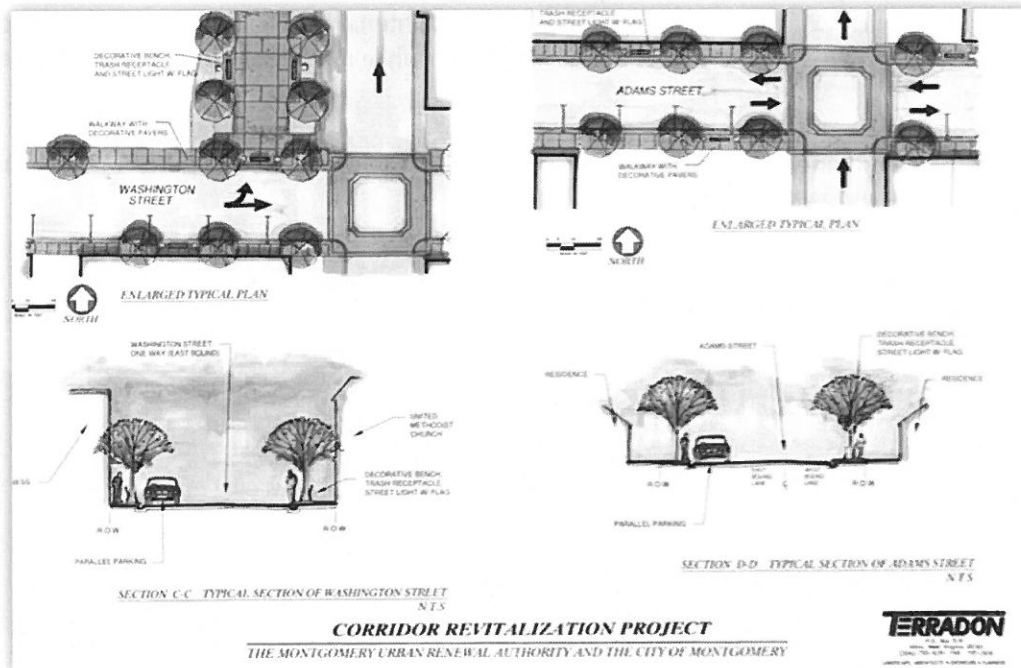
West Virginia Tech Trail

TERRADON Corporation was responsible for the trail design of a high-adventure hiking/bicycle trail for West Virginia University Institute of Technology in Montgomery, WV. The trail featured design of steep terrain to accommodate high-adventure hiking and mountain biking. Trail design included natural base with all cut/fill and crossing designs.



Montgomery Corridor Revitalization

The City of Montgomery is well-known as the home of West Virginia University Institute of Technology. Being home to a large population of college students, the City sees a large number of pedestrian traffic. Dealing with pedestrian traffic across two main corridors and navigating a railway located in the center of town, the City contracted with TERRADON Corporation to develop a Corridor Revitalization Project. The project included conceptual planning and cost estimation for an upgraded streetscape, landscape architecture, and pedestrian walkways.

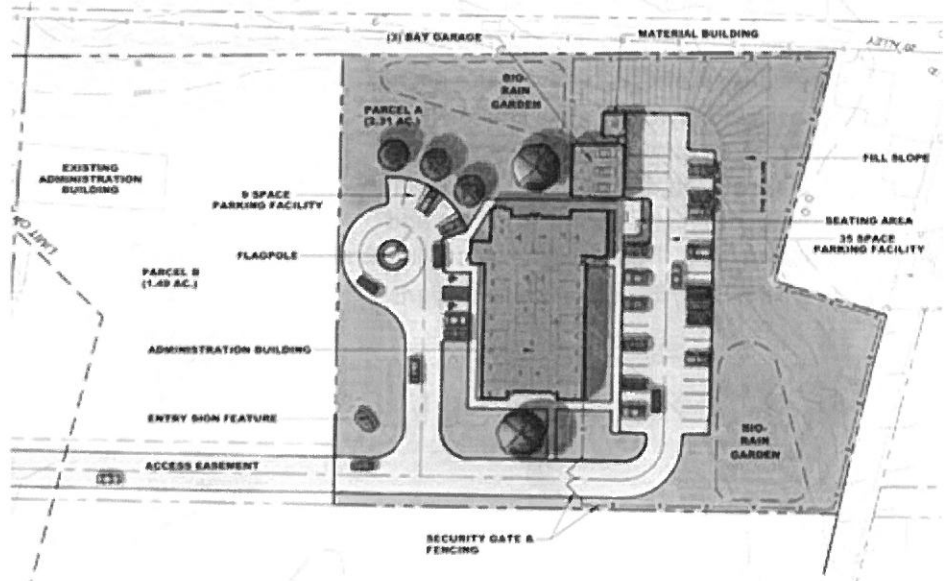


LOCAL PRIOR EXPERIENCE

West Virginia Department of Environmental Protection

TERRADON Corporation, as a subconsultant, provided conceptual site master planning and site civil engineering services for the West Virginia Department of Environmental Protection in Fairmont, WV.

The project included site design for an access easement, security gate and fencing, multi-space parking facility and rain gardens.



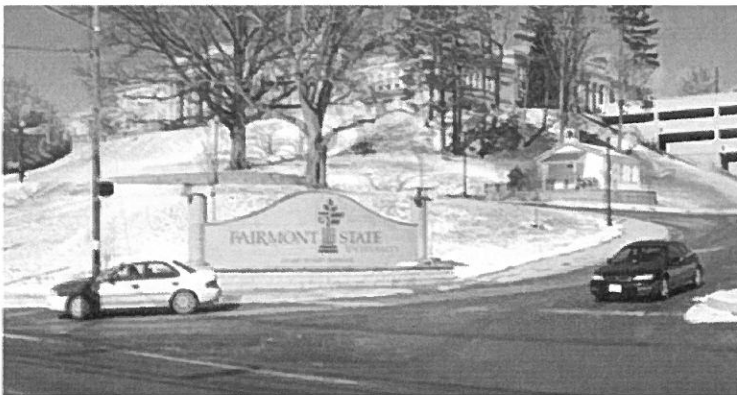
Inner Campus Master Planning

TERRADON Corporation, as a subconsultant, provided site master planning and site civil engineering services for the Fairmont State University Campus Core Master Plan and Inner Campus Design.

FAIRMONT
STATE UNIVERSITY

The project included the creation of an enhanced inner campus feel, providing student gathering areas and the promotion of a more intimate collegiate setting. TERRADON's design incorporated a state-of-the-art campus fountain that provides a gentle waterfall behind a seating bench while in use. The fountain is low maintenance, allowing the University to simply turn it off during cold weather. The fountain design provides a nice visual each while in use and turned off as the water feature is hidden behind the seating wall.

For the project, TERRADON provided all hardscape and landscape planning, as well as performed all survey using in-house personnel and tools.



LOCAL PRIOR EXPERIENCE

WV Department of Administration State Office Building, Fairmont, WV

TERRADON Corporation, as a subconsultant, is the Site/Civil consultant to the architect and also provided Environmental, Geotechnical and Survey services to West Virginia Department of Administration for the State Office Building located in Fairmont, West Virginia.

TERRADON Environmental team provided phase 1 and phase 2 Environmental site assessments (ESA) for the site, phase 2 ESA consisted of: soil and ground water sampling and pesticide wipe sampling. The team also conducted asbestos survey and lead-paint survey. For the project, TERRADON prepared quantities for bid documents and provided over sight for demolition and abandonment.

TERRADON Geotechnical experts conducted investigation of existing filled basements and foundation investigation and design of the Fairmont building site.

Fairmont Public Safety Building, Fairmont, WV

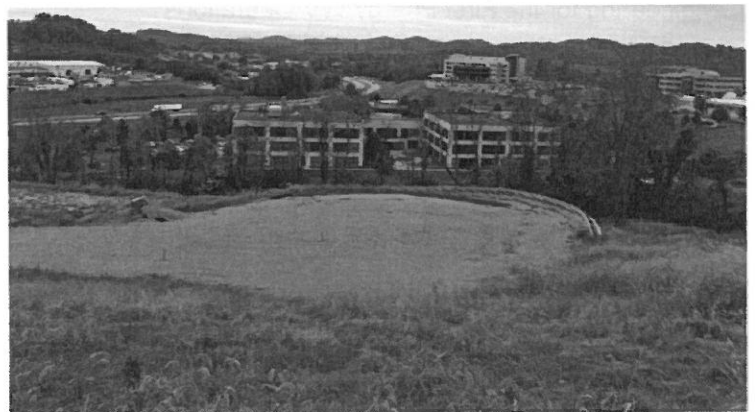
TERRADON Corporation, as a subconsultant, provided site civil engineering design for the Fairmont Public Safety Building in Fairmont, WV. The Public Safety Building houses the Fairmont Public Works Department, the Fire Department and the Police Department.

TERRADON services included: Geotechnical Engineering; Design and Boundary Survey, Full Site Engineering Drawings, Layout, Grading, and Drainage and Erosion Control. TERRADON performed engineering services as a subconsultant to the architect. TERRADON engineers considering site layout options in order to maximize land use while minimizing earthwork and utility installations. TERRADON provided landscape and hardscape design as well.



Fairmont Advanced Technology Center

TERRADON, as a subconsultant, provided design engineering services for the Fairmont Advanced Technology Center for the WV Higher Education Policy Commission. The project included the study of two separate sites, one within the newly built Fairmont Connector and one within the I-79 Technology Park. The project recently completed design phase and is slated for construction in the I-79 Technology Park. TERRADON provided master planning, survey and mapping, site design, landscape and hardscape design and utility design services for the project.



RELATED PRIOR EXPERIENCE

West Virginia Department of Environmental Protection Headquarters



TERRADON Corporation was responsible for providing all site/civil engineering design for the new headquarters building for the West Virginia Division of Environmental Protection. This is a 187,000 SF building, and is recognized by the United States Green Building Council as the first State owned Green Building in West Virginia. The LEED (leadership in Energy and Environmental Design) certification approach was utilized for the design of the project.

TERRADON designed an innovative stormwater management system and other site features for this, one of the highest visibility projects in the state. The collaborative effort between the design professional and the use of green strategies helped the client reach their goal of a cohesive structure that shows no boundary between building and site with respect to energy efficiency and environmental sensitivity. The state now possesses a facility that not only will take them well into the future, but also will save the taxpayers money along the way in operation costs.

TERRADON was presented with a Gold Award from the American Council of Engineering Companies, Honor Award from the American Society of Landscape Architects, and a Design-Build Award from the Design-Build Institute of America for the design of this project.

FirstEnergy WV Operations Headquarters, Fairmont, WV

TERRADON, as a subconsultant, provided site civil engineering for the First Energy WV Operations Headquarters (formerly known as Mon Power Regional Headquarters) located in the I-79 Technology Park.

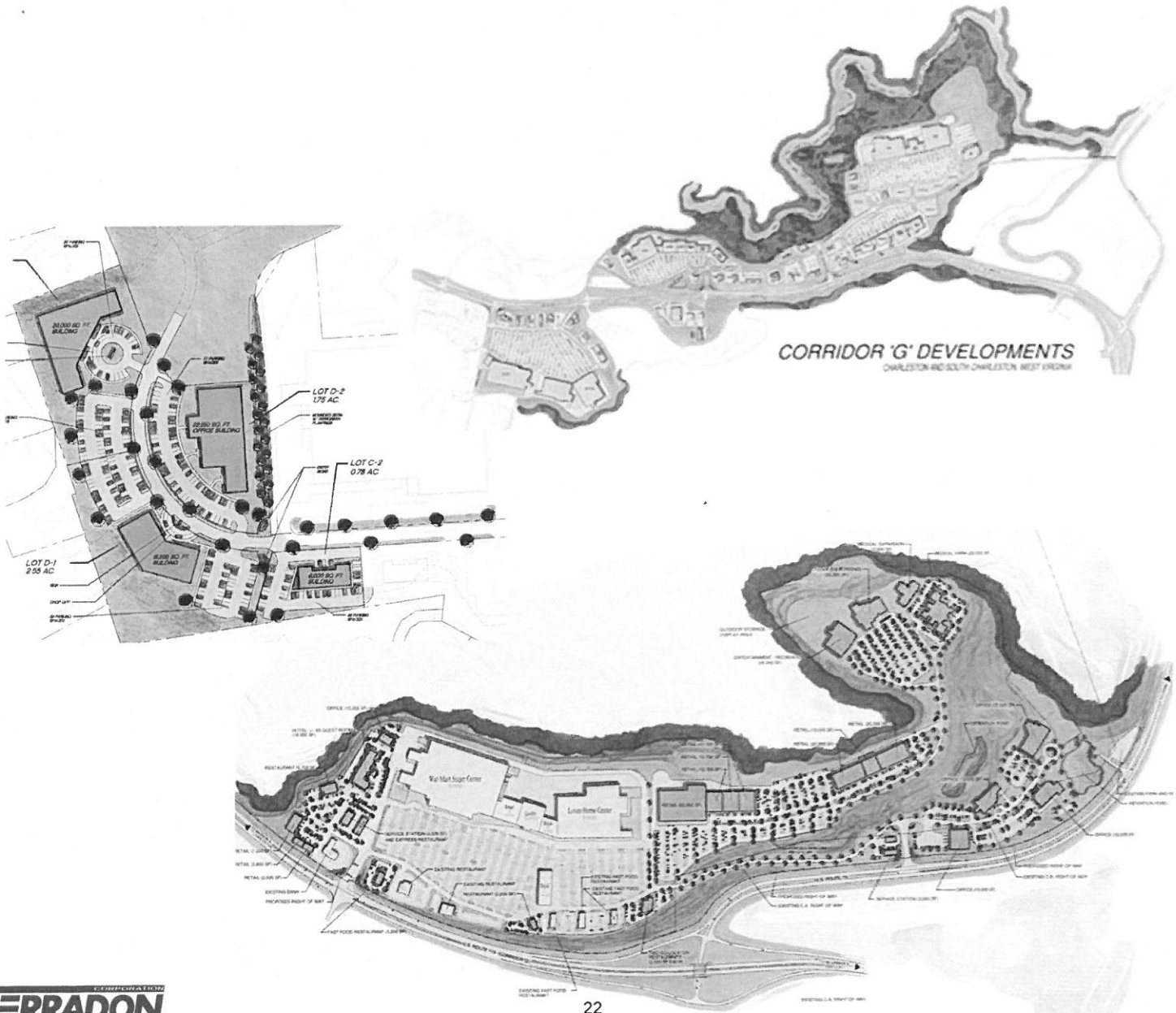
The project team was as a Merit Design Award winner by the West Virginia AIA in 2012. TERRADON provided conceptual planning, layout, utility grading, landscape design and surveying for the project. This project is one of several TERRADON designed sites in the I-79 Technology park. This project is a LEED Design and Certified project. The TERRADON team has two LEED AP professionals on staff.



RELATED PRIOR EXPERIENCE

From parks and recreation, to major commercial shopping centers, to hundreds of K-12 and higher education projects, TERRADON's Land Development projects typically incorporate multi-level parking lots suitable for hundreds of vehicles, access roads, stormwater drainage solutions and ADA compliant features.

- Southridge Center, South Charleston
- Fountain Place Plaza, Logan
- University Town Centre, Morgantown
- WVHEPC Advanced Technology Centers, Various Locations
- Mountain State University (now University of Charleston - Beckley), Beckley
- Marshall University, Huntington
- Greater Huntington Parks and Recreation District, Various Locations
- Putnam County Commission, Various Locations
- State of West Virginia, Various Locations
- 100s of K-12 locations, Various locations

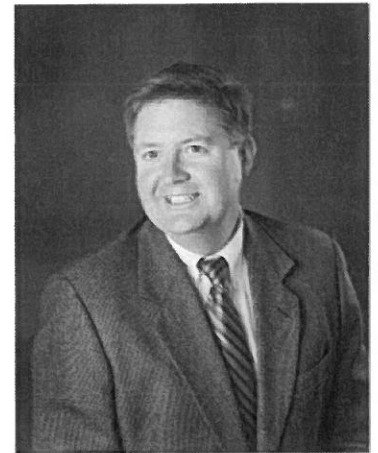


Gregory D. Fox, ASLA, LEED AP

Department Head—Land Development

Fox has been responsible for hundreds of notable commercial, educational and recreational site development projects during his 23-year career.

During his time as Land Development Department Head, TERRADON has earned Engineering Excellence Awards from the West Virginia Association of Consulting Engineers, numerous Merit Awards from the American Society of Landscape Architects, and the Gold Award from the American Council of Engineering Companies.



Relevant Project Experience

Fairmont State University

Responsible for Master Planning and Design of inner campus, including design of seating fountain, drainage features and landscaping.

West Virginia State University

Responsible for Site Design, Utility Design, Drainage and Layout for AECOP Parking Lot, Educational and Storage Facility. Oversee Campus Physical Inventory.

Marshall University

Responsible for Site Design, Utility Design, Grading and Drainage for Applied Sciences Building, Student Housing, Wellness Center and Parking Garage. Provided ADA compliancy on campus buildings and site design for existing soccer field.

Mountain State University

Responsible for Planning and Design of campus features including new buildings and parking lot additions.

K-12 Educational Facilities

Responsible for Master Planning, Site Layout and Design, Schematic Renderings, Parcel Identification, Feasibility and Cost Analysis, and construction drawings for hundreds of k-12 educational facilities throughout West Virginia. Projects include new construction as well as renovations and additions.

Education

B.S. Landscape Architecture
West Virginia University

B.A. Geography & Planning
West Virginia University

Work Experience

2000-Present
TERRADON Corporation

1996-2000
Martin Boal Anthony &
Johnson Architects

1993-1996
Site Design

1989-1993
EG&G Inc

1988-1989
PSC Engineers

Registrations

Landscape Architect:
WV, OH, NC, SC, PA, VA

LEED AP

American Society of
Landscape Architects

National Council on
Landscape Architectural
Registration Boards

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25143

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With more than 22 years of experience in a wide range of surveying projects, Robert Thaw serves as head of TERRADON's Survey and Mapping department. He organizes and supervises survey crews, reviews project plans and creates base mapping for various projects including noise barriers, interchanges, connectors, bypasses, sidewalks, bike paths and bridges.

Thaw oversees all TERRADON survey activities, including the development of GPS static networks for aerial mapping in the design of roadways; identification of existing utilities and property lines; base image development and control placement for construction projects; preparation of right-of-way (ROW) plans; and drafting of legal descriptions for ROW parcels.



Relevant Project Experience

Noise Barrier, City of Vandalia, ODOT, 2013

Mr. Thaw coordinated transportation survey field crews and reviewed data for engineering design services for the construction of a new noise barrier along the west side of Ramp D (US 40 to southbound IR 75) and mainline IR 75, in the City of Vandalia. The new noise barrier abuts an existing noise Barrier at STA 377+03 west of Mainline IR 75 and extends approximately 1200' to the north.

Laurel Fork Campground Bridge, 2010

TERRADON provided surveying and design engineering on a USDA Forest Service project in Randolph County, West Virginia. Surveyors led by Thaw provided topographic mapping, project control for construction, hydraulic cross sections and stream profiles. Engineers prepared and submitted initial review design phase documents that consisted of design criteria, highway title sheet, plan, profile typical sections and cross sections and roadway plans sheets.

Fairmont Connector 2009

Mr. Thaw coordinated the office and field crews for the Fairmont Interchange Connector. The project included the demolition of buildings and the construction of sidewalks, MSE walls, bike paths and a bridge. GPS and total stations were utilized on the project. Mr. Thaw supervised survey control work, grade stakes, slope staking and office computations.

Hillsville Bypass, 2008

The Hillsville Bypass project consisted of the excavation of four million yards of material over the duration of 1.5 years. Mr. Thaw coordinated office and field survey crews and reviewed the data for cross sections, grade stakes and quantities. Both conventional and GPS equipment were utilized for layout. Trimble 5800 base receivers and repeaters transmitted corrections to two rover units.

Education

B.A., Survey Technology,
1981, West Virginia Institute
of Technology

B.S., Surveying, 1985, West
Virginia Institute of
Technology

Work Experience

TERRADON Corporation
1994-Present

Bowman Land Surveying
1992-1994

Dunn Engineers
1990-1992

Kelley Gidley Blair and Wolf
1988-1990

Pierson & Whitman
Architects and Engineers
1984-1986

Registration

Professional Surveyor,
West Virginia

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Sleeth's Run Bridge, 2007

Thaw provided survey services during the design for the replacement of an existing truss bridge in Lewis County, WV. The project included the design of a new 200' structure and approaches. The bridge consisted of adjacent concrete prestressed box beams with a cast-in-place concrete deck. Survey services consisted of a topographic survey, ROW plans, construction control and legal description creation. Roadway design consisted of new bridge approaches and a designed detour.

Sedalia Arch Bridge, 2004

Thaw oversaw survey services for the replacement of an existing single span concrete arch bridge with a 72' single span bridge. The bridge consisted of adjacent concrete prestressed box beams with a cast-in-place concrete deck. Survey services consisted of a topographic survey, ROW plans, construction control and legal description creation. Roadway design consisted of new bridge approaches and a designed detour. Drainage, maintenance of traffic and right-of-way plans were included in the scope of work.

St. Mary's Bypass 2002

Working for the West Virginia Department of Transportation, Thaw led transportation survey services for the relocation of WV 16 in Pleasants County, from Pleasants County Route 18 to WV 2 in Saint Mary's, West Virginia for approximately two miles of highway. The project included topographic mapping, survey control mapping, right-of-way and utility cost estimates and inventories.

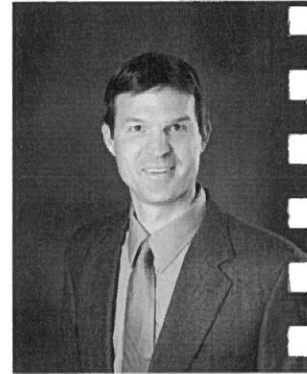
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Peter J. Williams, ASLA

Landscape Architect

"Pete" Williams is a graduate of West Virginia University with a Bachelor of Science in Landscape Architecture. His responsibilities include landscape architectural design, grading and storm water drainage design, the design of pedestrian circulation systems and related amenities, roadway design, site planning, and quality control. Mr. Williams is registered as a professional Landscape Architect in West Virginia with more than 13 years of experience at TERRADON and more than 22 years of overall experience.



Relevant Project Experience

Fire Stations, Medical, First Responder, Public Facilities

- » Yeager Airport Fire/Crash/Rescue Station
- » Fairmont Public Safety Building & Fire Safety Station

Higher Education

- » Marshall University Student Recreation Center
- » Marshall University Student Housing
- » Fairmont State Inner Campus Design

K-12

- » Hurricane High School Sports Fields, Additions & Renovations
- » Lakeside Elementary School Additions & Renovations
- » Eastwood Elementary School Additions & Renovations
- » Flinn Elementary School Additions & Renovations
- » Musselman High School Additions & Renovations
- » Martinsburg North Middle School Additions & Renovations
- » Jefferson Elementary School Additions & Renovations
- » A New Blue Ridge Primary School
- » Winfield Elementary School Additions & Renovations
- » A New Buffalo High School
- » A New Confidence Elementary School
- » Greenbrier West High School Additions & Renovations
- » A New Lewisburg Elementary School
- » A New Rainelle Elementary School
- » Eastern Greenbrier Junior High School Additions & Renovations
- » Mason Dixon Elementary School Additions & Renovations
- » Poca High School Additions & Renovations
- » A New Winfield Middle School
- » A New Poca Elementary / Middle School
- » A New Mingo Central High School & Athletic Complex
- » A New University High School & Athletic Complex
- » A New Mountain View Elementary School
- » A New Pikeview Middle School
- » A New Moorefield Intermediate School

Education

B.S. Landscape
Architecture
West Virginia University

Work Experience

2000 – Present
TERRADON Corporation

1992-2000
Chapman Technical
Group

Affiliations

American Society of
Landscape Architects

West Virginia Chapter of
American Society of
Landscape Architects

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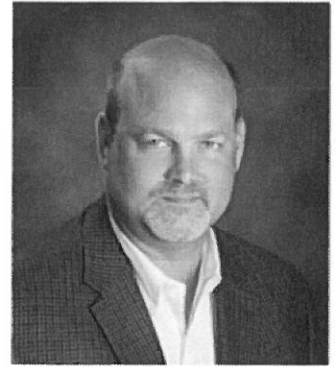
Numerous Industrial, Commercial, ²⁹Parks and Recreation Facilities

TERRADON
CORPORATION

K. Davis Fennell, P.E.

Project Manager

K. Davis Fennell, PE, has more than sixteen years of Civil and Environmental Engineering experience in industry, land development, and municipal public works, including the last thirteen years as a consultant in southeastern North Carolina, servicing the public works and land development needs in both the public and private sector. His expertise includes master planning, roadway design, gravity sanitary sewer collection system design, sanitary sewer pump station and force main design, pressure sanitary sewer system design, water distribution system modeling and expansion design, storm drainage system collection and retention/detention design, storm water and erosion control design, along with permitting, construction administration, and compliance monitoring in all areas.



Relevant Project Experience

WVHEPC Advanced Technology Centers

Provided site grading, erosion and sediment control, and utility design for two West Virginia Higher Education Policy Commission Advanced Technology Centers located in Fairmont, WV and South Charleston, WV respectively.

WV K-12 Educational Facilities

Provided site civil engineering on multiple k-12 education facilities throughout West Virginia. Engineering activities include utility and drainage design, site layout, grading and design. Facilities include school additions, new school construction and athletic fields.

Beckley Veteran's Affairs Parking Garage

Site civil engineering design for a four-story parking garage located in Beckley, West Virginia. Project activities include utility and drainage design, permitting, site grading and general engineering design.

Sheetz Services Centers

Provided engineering design and construction documentation for Sheetz Service Centers in various locations throughout West Virginia. Projects consisted of site layout and design, utility design, drainage layout and design.

Putnam County Commission Engineering Design

Provided engineering support on a number of Putnam County West Virginia projects, including engineering layout and design for a new traffic flow pattern and drainage design for a Valley Park Master Planning project. Additionally, provided engineering design support for a number of public/private waterline extension projects, and school utility projects. Fennell also provides engineering design for multiple k-12 school projects in Putnam County, WV.

Education

B.S. Civil Engineering—1994
North Carolina State University

B.S. Environmental Engineering—
1994
North Carolina State University

Work Experience

2011 – Present
TERRADON Corporation

2007 – 2011
Coast Line Engineering, PLLC
Owner and Sole Proprietor

1998-2007
Cape Fear Engineering, Inc.
Principal Engineer

1997-1998
McKim and Creed Engineers
Engineer in Training

1994-1997
Martin Marietta Materials, Inc.
Environmental Engineer

Affiliations

National Society of
Professional Engineers

American Society of
Civil Engineers

Registrations

P.E. : West Virginia

P.E. : North Carolina

P.E. : South Carolina

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Bill Hunt, PG, LRS

Geo-Environmental Department Head

Bill Hunt serves as TERRADON's Environmental Project Manager. Hunt offers more than 28 years of environmental management expertise and has completed more than 1000 environmental projects. Hunt is a Licensed Remediation Specialist and a Professional Geologist. His background includes environmental site assessments, remediation, permitting, testing and analysis.



Relevant Project Experience

Hunt has provided environmental management services on a wide variety of projects. His experience includes:

- » Environmental Audits and Assessments
- » Remediation Design
- » Risk Assessments
- » Permitting—404/401, Stormwater
- » Environmental and Industrial Hygiene Sampling
- » Spill Prevention and Best Management Practices Plan Preparation
- » RCRA Record Keeping
- » Statistical Analysis of Soil and Groundwater
- » Aquifer Testing

Key Projects:

- » Environmental Assessment/Remediation of Arsenic Pesticides in soil at former orchard, Martinsburg, WV. WVRRP Project
- » Soil & Groundwater Remediation of diesel impact at coal loading facility—Kenova, WV, WV VRRP Project
- » Remediation and decommissioning of PCB contamination at transformer & capacitor manufacturing facility Bloomington, IN
- » BMP and SPCC plan preparation for eight oil field electric generating power plants—Various Locations, FL
- » Wetland Assessment and delineation at 900-acre undeveloped property—Kingwood, WV
- » USACE Section 10 Permitting for the construction of barge fleet and ancillary facilities — Ohio River
- » 40 Phase I Environmental Site Assessments for fast food franchise at locations in WV, OH, IN, MO, KS, MI and WI.
- » NEPA Environmental Study, West Virginia Regional Airport, Randolph County Airport, Mason County Airport, Upshur County Airport, Mingo County Airport
- » NEPA Section 7 Environmental Study, Mingo County Board of Education, Town of Matewan, WV, USDA LWCF Transfer

Education

B.S. Environmental Science,
1981

Morehead State University

Master of Arts Geography, 1985

Ohio University

Work Experience

TERRADON Corporation

VP—Geo-Environmental
2010—Present

NGE, LLC
Environmental Services

Manager
2008—2010

Superior Marine Ways
Director, Environmental Health
& Safety
2001—2008

H.C. Nutting Company
Environmental Group Leader
1991-2001

PSARA Technologies
Environmental Services Division
Manager

1989—1991

Westinghouse
Environmental Scientist
1985—1989

Certifications

Licensed Remediation
Specialist (WV)

Professional Geologist (IN)

40-Hour OSHA HAZWOPER

8-Hour OSHA HAZWOPER
Supervisor

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