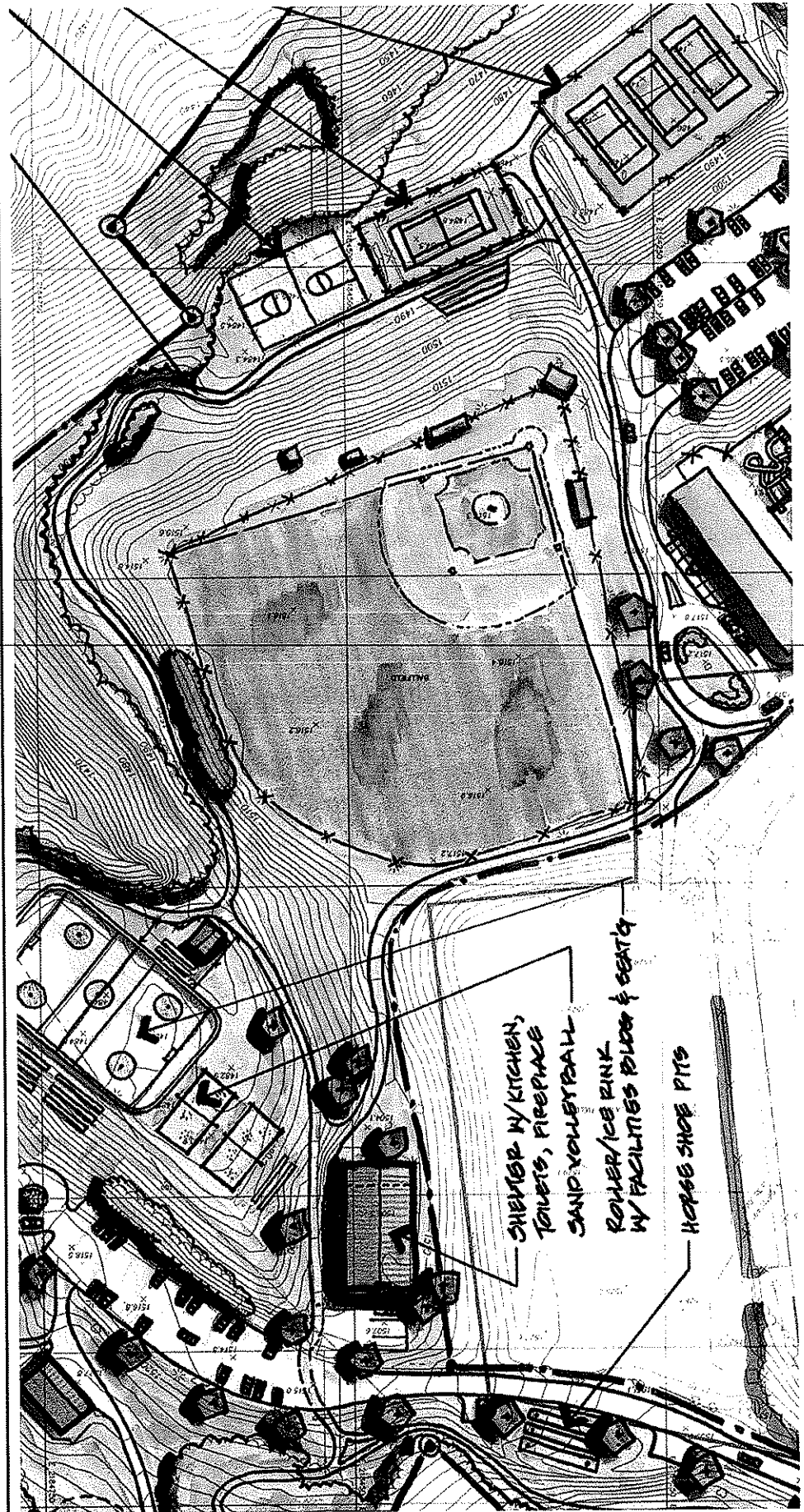


**TERRADON**  
CORPORATION

**Land Planning**  
**Landscape Architecture**  
**Civil Engineering**  
**Environmental**  
**Surveying**



**“The Region’s Premier  
Site Development Firm”**

**TERRADON**  
CORPORATION

Poca, WV  
Lewisburg, WV

**GENERAL TERMS & CONDITIONS  
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
  2. The State may accept or reject in part, or in whole, any bid.
  3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
  4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
  5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
  6. Payment may only be made after the delivery and acceptance of goods or services.
  7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
  8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
  9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
  10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
  11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
  12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
  14. **HIPAA Business Associate Addendum:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
  15. **West Virginia Alcohol & Drug-Free Workplace Act:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications:  
Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130,  
Charleston, WV 25305-0130



July 31, 2008

P.O. Box 519  
Nitro, WV 25143  
Tel: (304) 755-8291  
Fax: (304) 755-2636  
www.terradon.com

P.O. Box 1635  
Lewisburg, WV 24901  
Tel: (304) 645-4636  
Fax: (304) 645-7614

5310 Markel Road  
Suite 102  
Richmond, VA 23230  
Tel: (804) 673-2560  
Fax: (804) 673-2561

Frank Whittaker, Buyer  
Purchasing Division  
Building 15, 2019 Washington Street  
Charleston, WV 25305-0130

Re: Expression of Interest to Provide Engineering Services for  
Design of Campground at Little Beaver State Park, DNR 90182

Dear Mr. Whittaker:

TERRADON Corporation is very interested in providing engineering services to the Division of Natural Resources for the above referenced project. We are a West Virginia firm with over 60 persons and are ready to assist you.

TERRADON's landscape architecture manager is Greg Fox, ASLA. He has direct experience with a wide variety of park projects. Pete Williams, ASLA, who was project manager for a new campground at Beach Fork State Park, will assist him. Detailed descriptions of their experience are included in the attached information.

I have provided general information that gives an overview of TERRADON and the services we offer. I have also included specific information regarding the firm's qualifications, related prior experience, and references.

We fully understand the nature of the services required by your project and will go the extra mile to guarantee your satisfaction. TERRADON would appreciate your consideration to be short listed, so that we may discuss our approach to this project with the Selection Committee.

We look forward to this opportunity to work with you. If you have any questions or require additional information, please do not hesitate to contact me at (304) 755-8291.

Sincerely,

Steven T. Engelhardt  
Director of Marketing & Personnel



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

### Request for Quotation

RFQ NUMBER:  
**DNR90182**

PAGE:  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**FRANK WHITTAKER  
 304-558-2316**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

DIVISION OF NATURAL RESOURCES  
 PARKS & RECREATION SECTION  
 BUILDING 3, ROOM 719  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305-0662 304-558-2775

DATE PRINTED <b>06/26/2008</b>	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
-----------------------------------	---------------	----------	--------	---------------

BID OPENING DATE: **07/31/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		961-20		
<p><b>A/E SERVICES</b></p> <p>PARK: LITTLE BEAVER STATE PARK          PROJECT: CAMPGROUND CONSTRUCTION PROJECT</p> <p>REQUESTING EXPRESSIONS OF INTEREST FOR DESIGN OF CAMPGROUND AT LITTLE BEAVER STATE PARK PER THE ATTACHED SPECIFICATIONS.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION          PURCHASING DIVISION          BUILDING 15          2019 WASHINGTON STREET, EAST          CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: FW-44</p> <p>RFQ. NO.: DNR90182</p>						

RECEIVED  
 08 JUL 31 PM 12:01  
 PURCHASING DIVISION  
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	

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



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

# Request for Quotation

RFQ NUMBER  
**DNR90182**

PAGE  
**2**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**FRANK WHITTAKER  
 304-558-2316**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DIVISION OF NATURAL RESOURCES  
 PARKS & RECREATION SECTION  
 BUILDING 3, ROOM 719  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305-0662 304-558-2775

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/26/2008				

BID OPENING DATE: **07/31/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING DATE AND TIME						
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:						
----- <div style="margin-left: 200px;">304-755-2636</div>						
CONTACT PERSON (PLEASE PRINT CLEARLY):						
----- <div style="margin-left: 200px;">Steven T. Engelhardt</div>						
***** THIS IS THE END OF RFQ DNR90182 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Steven T. Engelhardt</i>	TELEPHONE 304-755-8291	DATE 7/31/2008
TITLE Marketing Director	FEIN 550887626	ADDRESS CHANGES TO BE NOTED ABOVE

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

STATE OF WEST VIRGINIA  
Purchasing Division**PURCHASING AFFIDAVIT**

**West Virginia Code §5A-3-10a states:** 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 the debt owed is an amount greater than one thousand dollars in the aggregate

**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.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "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 exceeds five percent of the total contract amount.


**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

**LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

**CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit [www.state.wv.us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

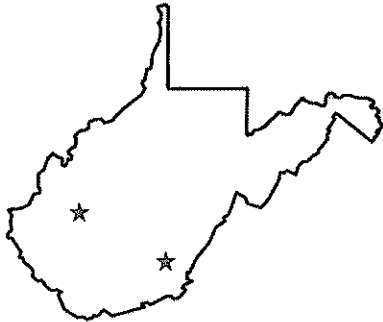
Vendor's Name: TERRADON Corporation

Authorized Signature:  Date: 7/31/2008

# Contents

Overview .....	1
Landscape Architecture, Greg Fox, ASLA .....	2
Pete Williams, ASLA Dan Bock, ASLA	
Landscape Architecture/Planning - Park & Rec. Projects ...	4
Civil Design .....	10
Surveying .....	10
Roadway Design .....	10
Geotechnical Engineering .....	10
Construction Monitoring .....	10
Company Brief Resumes .....	11
References .....	13

# Overview



**"Enhancing the  
Environment one  
Project at a time"**



TERRADON Corporation is a locally owned consulting firm working exclusively within the State of West Virginia. This allows the firm to focus on the single objective of providing quality consulting services to our only clients – the citizens of West Virginia and their respective State and local governments and public service agencies.

TERRADON's staff of 60 persons provides a unique combination of professional experience coupled with extensive knowledge of the State of West Virginia and its challenging terrain. The firm has offices in Poca and Lewisburg, West Virginia and active projects throughout the state. Professional services include LANDSCAPE ARCHITECTURE, highway, civil, geotechnical, and environmental engineering; geology, surveying, safety, and construction inspection.

LANDSCAPE ARCHITECTURE services are provided for a wide range of project types including:

- Recreation facilities • Education institution • Commercial Development
- Government entities • Residential Development • Environmental elements
- Medical facilities • Vehicular/Pedestrian circulation & storage facilities
- Greenway/greenspace projects • Riverfront enhancement

Some services provided are:

- Master Planning • Site Feasibility Studies • Schematic Design
- Layout Plans • Grading Plans • Stormwater Management Plans
- Erosion Control Plans • Planting Plans • Construction Details
- Specifications • Presentation Drawings • Full Color Renderings
- Project Graphic Design • Construction Observation/testing

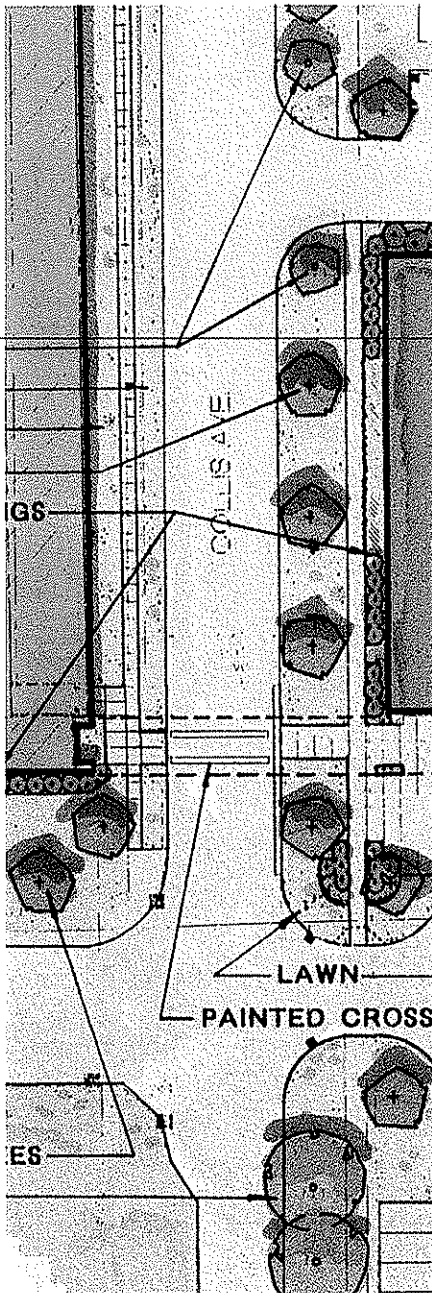
TERRADON is experienced in providing a wide variety of engineering and environmental services that may be required for your project. These related services enhance and integrate with Landscape Architecture providing the highest level of quality site design to our clients.

TERRADON's vast experience includes over 35 park and recreation projects in the past four years. The firm has also completed numerous highway design and environmental projects for the West Virginia Department of Transportation, Division of Highways. TERRADON is providing design and inspection services for West Virginia-American Water Company for new facilities in Kanawha, Boone, Cabell, Putnam, and Lincoln counties. The firm also enjoys working its ninth consecutive year on design contracts for the West Virginia Department of Environmental Protection, Abandoned Mine Lands program.



# Landscape Architecture

**GREGORY D. FOX, ASLA**  
Landscape Architect



TERRADON's Landscape Architecture services are managed by Gregory D. Fox, ASLA. Mr. Fox, a native of West Virginia and a graduate of West Virginia University with a Bachelor of Science in Landscape Architecture and a Bachelor of Arts in Geography (Planning) has gained a wide range of experience with a variety of project types. Mr. Fox is registered as a professional Landscape Architect in the following jurisdictions;

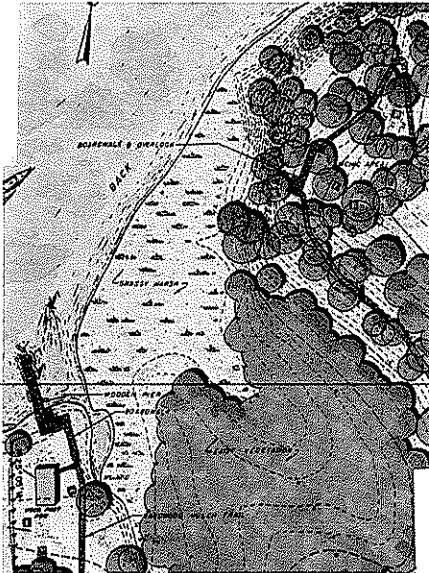
- West Virginia #226
- Ohio #720
- Pennsylvania #1669
- Virginia #1006
- National Council on Landscape Architectural Registration Boards #522
- Member: American Society of Landscape Architects

Over the course of his career, Mr. Fox has been involved in a number of notable projects:

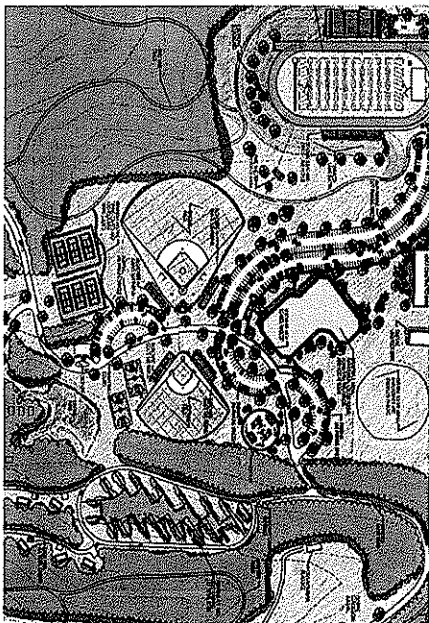
- Tri-State Transit Authority Renovations - Huntington, WV
- Marshall University ADA renovations - Huntington, WV
- Ohio University, Belmont Campus - St. Clairsville, OH
- Marshall University Soccer Field - Huntington, WV
- Lake Norman High School - Lake Norman, NC
- Hunt Road Elementary School - Anderson, SC
- West Stokes High School - Winston-Salem, NC
- Western Branch NC Police Academy - Hendersonville, NC
- Brawley Middle School - Mooresville, NC
- Cloves Combination School - York, SC
- G. C. Marlow Elementary School - Hendersonville, NC
- Tri-State Airport renovations - Huntington, WV
- Twin Falls State Park, Golf Driving Range - Mullens, WV
- Multi-Use Land Development Projects - Ashland, KY
- Medical Office Development - Teay Valley, WV
- Bluefield Housing Authority - Bluefield, WV
- Ice Creek Development Co. - Ironton, OH
- New Downtown Holiday Inn - Huntington, WV
- Superior Cadillac Olds, Inc. - Barboursville, WV
- Jackson Family Apartments - Jackson, OH
- Monsanto Chemical - Nitro, WV
- KYOVA Bicycle Corridor - Huntington, WV
- Wayne Adult Treatment Center - Wayne, WV
- Ceredo Municipal Building - Ceredo, WV
- Assisted Living Care Facility - East Bank, WV
- Cabletron Systems, Inc. - Ironton, OH
- FMC Control Center - Nitro, WV
- Fort Island Park - Fairlawn, OH
- Shawnee State University - Portsmouth, OH
- Back Creek Nature Park - Annapolis, MD
- Pro Football Hall of Fame - Canton, OH
- Big Bass Lake Recreation Center - Gouldsboro, PA
- Metzger Park - Louisville, OH
- Orrville Municipal Building - Orrville, OH
- Wooster Municipal Parking Facility - Wooster, OH
- Hilltop Golf Course - Coshocton, OH
- Surry County Courthouse - Dobson, NC
- Lancaster Post Office - Lancaster, SC

# Landscape Architecture Department

**PETE WILLIAMS, ASLA**  
Landscape Architect



**DAN BOCK, ASLA**  
Landscape Architect



**TERRADON**  
CORPORATION

Pete Williams, ASLA, brings over nine years of experience, and has worked on a variety of projects located throughout West Virginia. He has worked on a number of state park and highway projects as well as schools.

Mr. Williams graduated from West Virginia University with a Bachelor of Science in Landscape Architecture. He has served as State Chapter President of the American Society of Landscape Architects and is an active member.

Over the course of his career, Mr. Williams has been involved in a number of notable projects:

- Seneca Rocks Visitor Center - Seneca Rocks, WV
- Beech Fork State Park, Barboursville, WV
- Moncove Lake State Park, Gap Mills, WV
- WVUIT Extreme Sports Park Master Plan - Montgomery, WV
- Woodchopper's Village, Webster Springs, WV
- VA Hospital - Huntington, WV
- Beckley Federal Courthouse - Beckley, WV
- Upshur County Courthouse - Buckhannon, WV
- Charleston Job Corps, Charleston - WV
- Huntington Housing Authority - Huntington, WV
- Bluefield Army Reserve Center - Bluefield, WV
- Lewisburg Army Reserve Center - Lewisburg, WV
- Marshall University Softball Field, Huntington, WV

Dan Bock has over 11 years of experience in site planning for a wide variety of projects including park and recreational facilities, college campuses, streetscape improvements, environmental enhancements, and residential, commercial and institutional developments. He is involved in client coordination, preparation of construction documents, permitting process, sketches, and renderings.

Mr. Bock graduated from Virginia Polytechnic Institute and State University with a Bachelor of Science in Landscape Architecture.

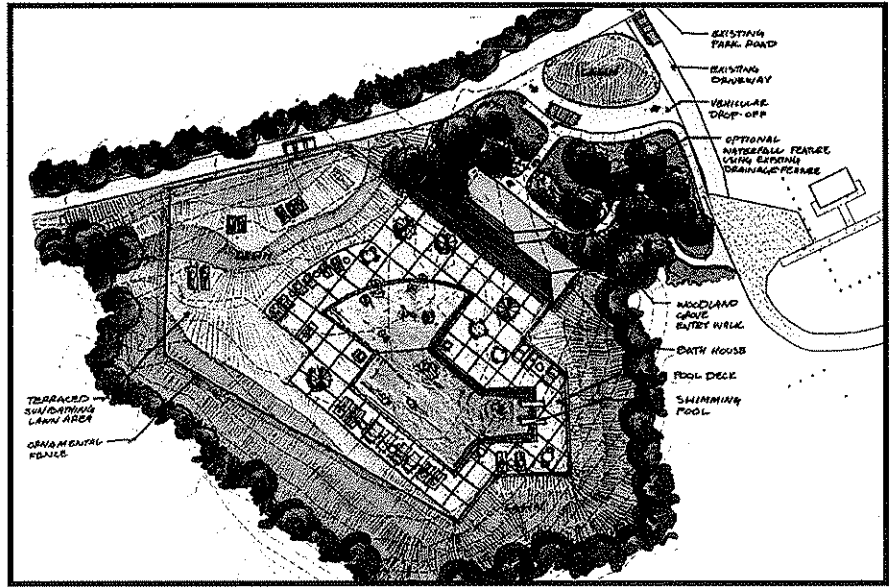
His project experience includes:

- Cathcart Residential Development, Scott Depot, WV
- April Dawn Park, Milton, WV
- Altizer Park, Huntington, WV
- Rotary Park, Huntington, WV
- Buxton & Landstreet Building, Thomas, WV
- Pocahontas County Wastewater Treatment Plant, Pocahontas County, WV
- Florida Street Streetscape, Charleston, WV
- Washington Street Streetscape, Charleston, WV
- Aspen Village, Canaan Valley, WV
- NRAO Visitor Center & Dormitory
- Governor's Mansion, Charleston, WV
- New Judicial Annex for Greenbrier County, Lewisburg, WV

# Recent Park Projects

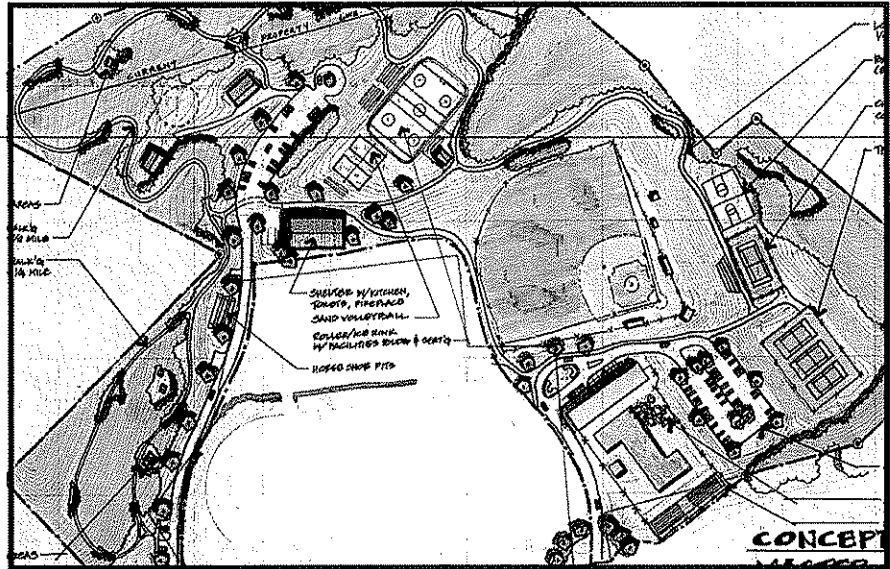
## BLUESTONE STATE PARK

TERRADON was responsible for site master planning through construction documents for a new swimming pool at Bluestone State Park in Summers County, West Virginia.



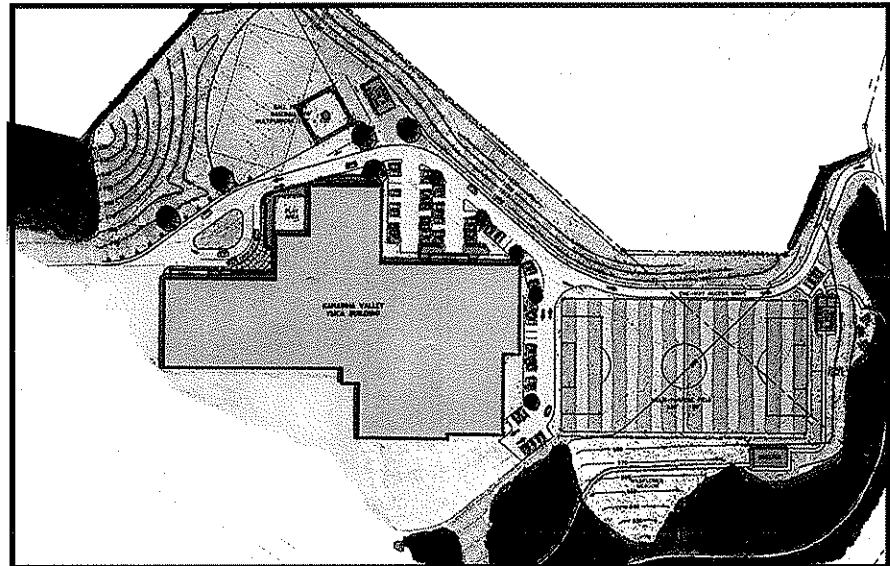
## UPSHUR COUNTY PARK

TERRADON prepared a recreational land use and site master plan to expand and upgrade the existing Upshur County Park. The site is located adjacent to Buchannon Upshur High School.



## YMCA OF KANAWHA VALLEY - ATHLETIC FIELDS

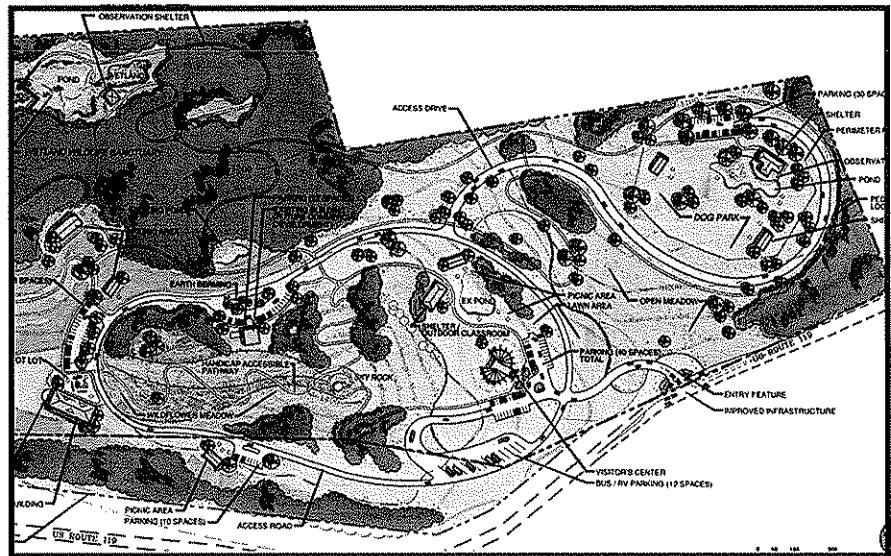
TERRADON provided master planning through construction documents for the addition of athletic fields at the YMCA facility located on Hillcrest Drive in Charleston, West Virginia.



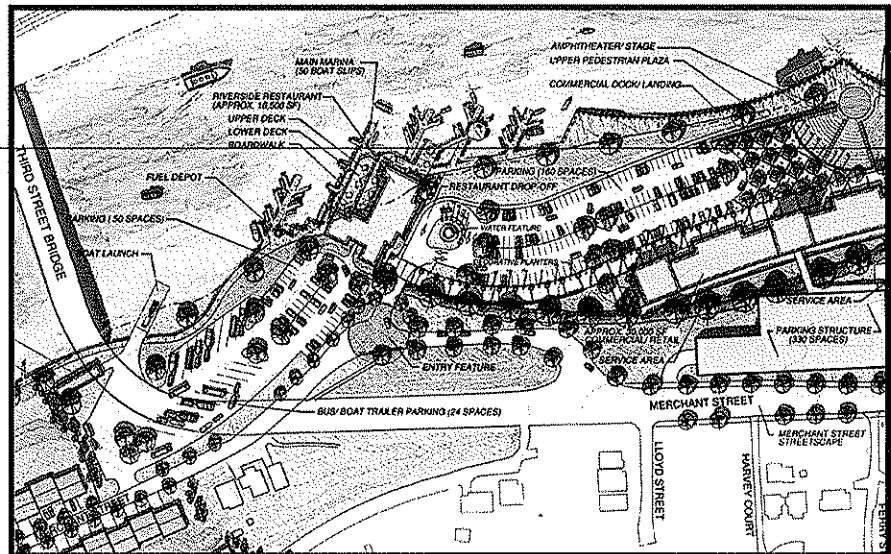
# Recent Park Projects



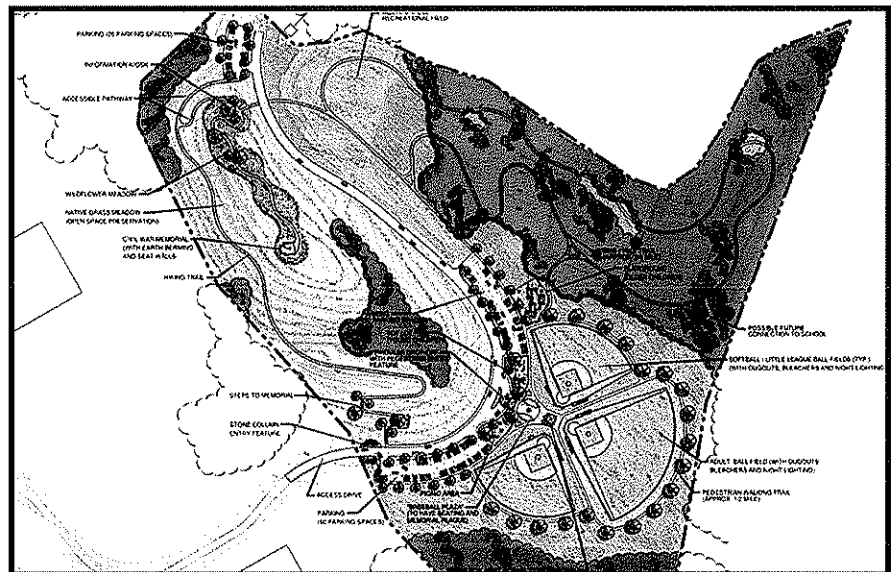
**Dorsey's Knob Park and Visitors Center** - Morgantown, West Virginia  
 Terradon provided a site master plan for this multi-user facility. When completed the facility will provide recreation as well as a one-stop visitor center for the city, county, and West Virginia University visitors.



**City of Fairmont Riverfront Development Master Plan** - Fairmont, West Virginia  
 Terradon provided a land use study and proposed land use master plan for this 30 acre development located on the Monongahela river in Fairmont, West Virginia. TERRADON was awarded an Engineering Excellence Award for this project by the West Virginia Association of Consulting Engineers in October 2002.



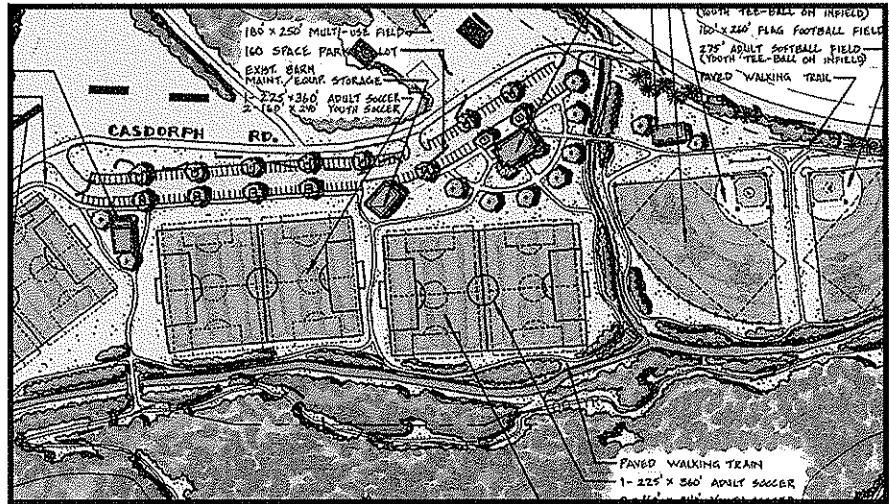
**Roane County Park** - Spencer, West Virginia  
 TERRADON provided master planning for this county park that includes a Civil War memorial, little league baseball complex, picnic areas, walking trails and public green space.



# Recent Park Projects

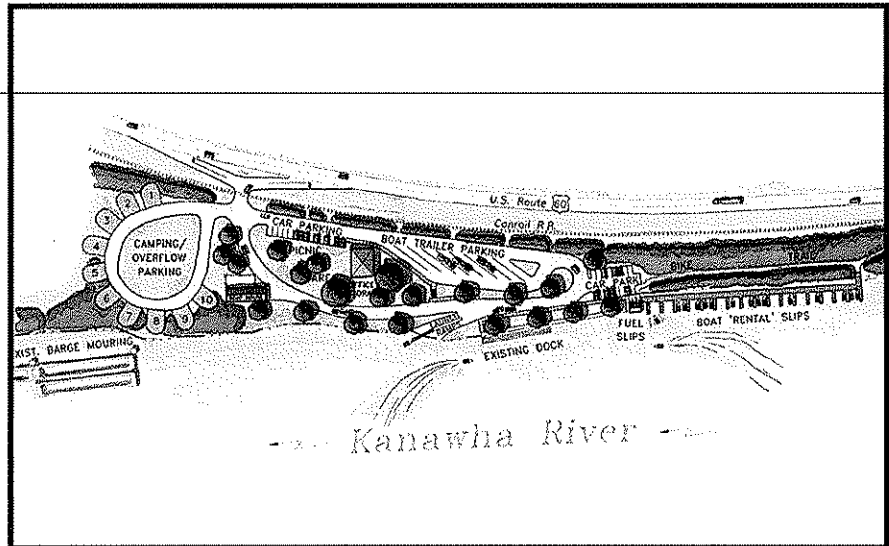


**KANAWHA VALLEY YMCA**  
 TERRADON provided master planning for an outdoor recreation center which included such amenities as softball, t-ball, soccer fields, nature study center, picnicking and hiking trails.



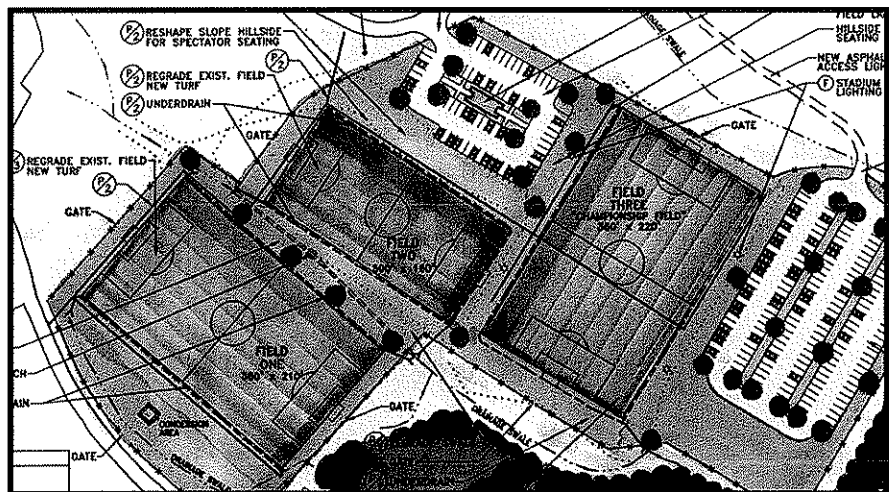
## WEST VIRGINIA UNIVERSITY, INSTITUTE OF TECHNOLOGY

TERRADON provided master planning for an extreme sports park for WVUIT in Montgomery, West Virginia. The plan includes a marina/water sports facility, a trail network, and land use plan.



## FAYETTE COUNTY YOUTH SOCCER COMPLEX

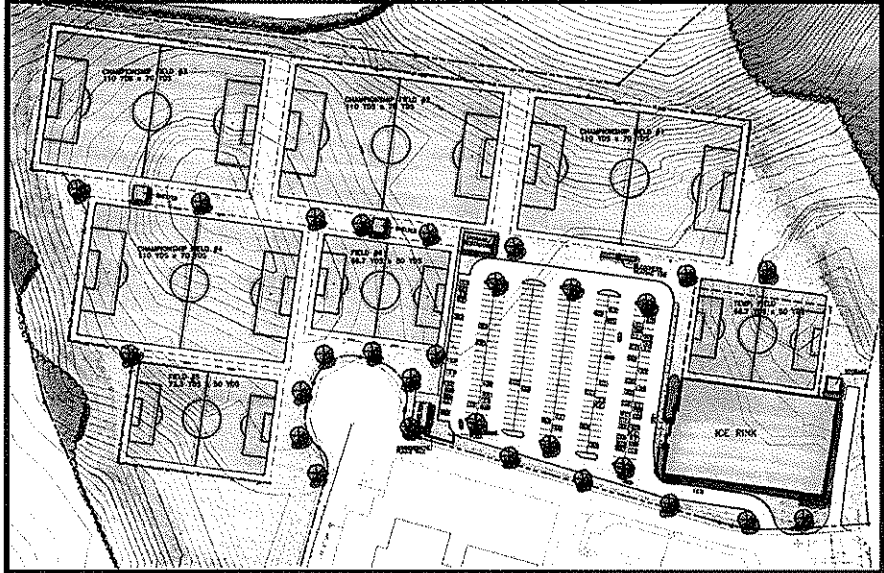
TERRADON provided full service master planning, design and construction document preparation for a three-field soccer complex adjacent to Oak Hill High School for the Fayette County Youth Soccer Association.



# Recent Park Projects

## THE FIELDS AT TRACE FORK

TERRADON provided schematic design, master planning and construction document preparation for a six-field soccer complex in South Charleston for the Kanawha Charleston Soccer Association. The facility will be located adjacent to the Memorial Ice Arena in the Trace Fork Development.



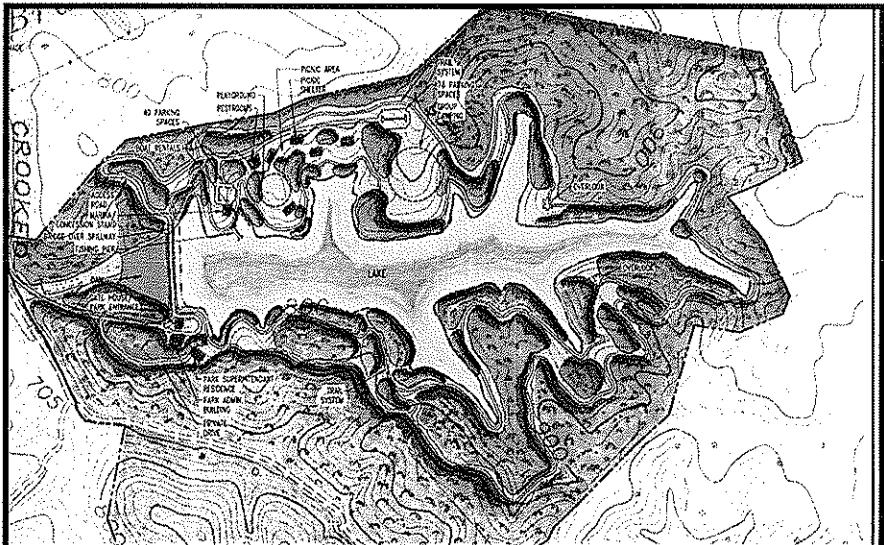
## MEMORIAL ICE ARENA

TERRADON provided site/civil planning and design to WSG Architects for this facility located in the Trace Fork Development in South Charleston, West Virginia.



## JONATHAN LARCH RESERVOIR PARK

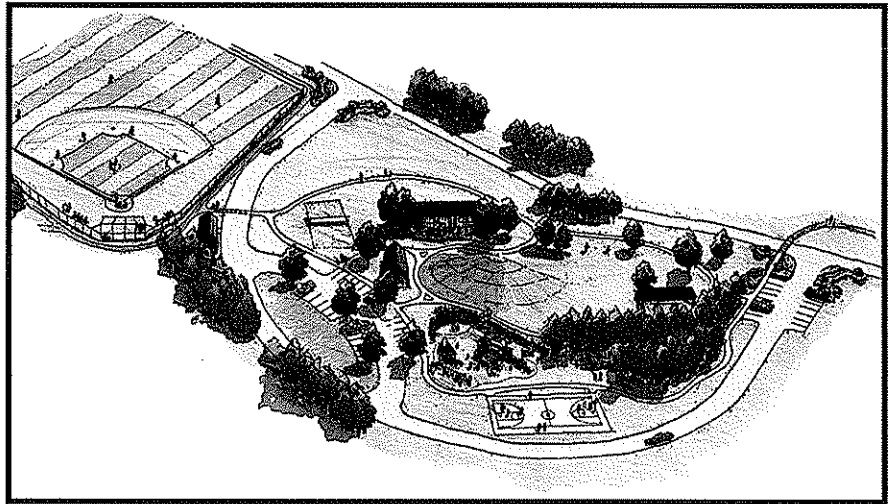
TERRADON provided site master planning for this proposed park in Putnam County, West Virginia. The project is pending available funding



# Recent Park Projects

## CURRY PARK

TERRADON prepared a master plan and recreational land use plan for 220 acres of undeveloped land. The site is located in Upshur County, West Virginia.



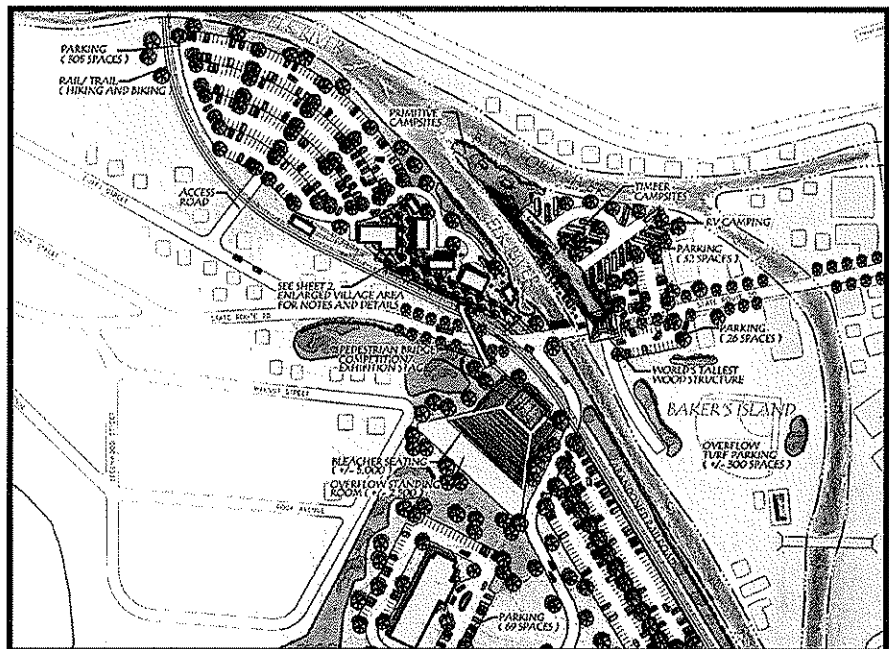
## HARVEYTOWN PARK

TERRADON provided site analysis, inventory mapping, master planning, and construction documents for a neighborhood park to the Greater Huntington Park and Recreation District. Phase I construction which includes a Picnic Shelter was recently completed.



## WOODCHOPPER'S VILLAGE

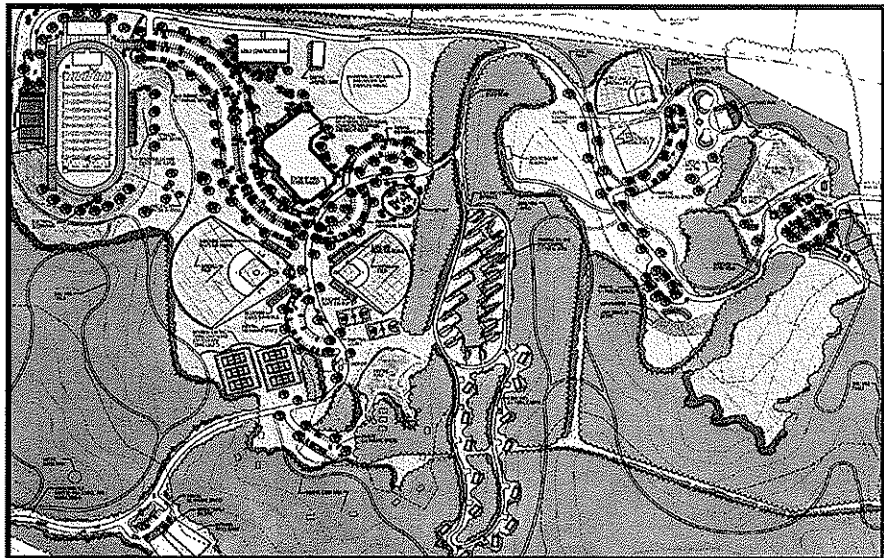
TERRADON developed a master plan and recreation feasibility study for the development of this lumberjack/woodchopper's themed recreation destination park. Project amenities include a woodchopping/lumberjack arena to be used for world championship chopping contests, timber industry educational exhibits, arts & crafts village, cultural and history museum, railroad attractions, rail trails, and fishing amenities.



# Recent Park Projects

## Braxton County Park Master Plan

TERRADON provided master planning for an outdoor recreation center which included such amenities as softball, t-ball, soccer fields, picnicking, camping, and hiking trails.



## Sacred Heart Cathedral - Charleston, West Virginia.

Terradon provided masterplanning through construction documents for the courtyard including two water fountains and a lush natural planting plan for the greenspace located between the Cathedral and the new parking lot.



## Wetlands of Winfield - Winfield, West Virginia

TERRADON provided master planning through construction for this wetland education facility which includes such amenities as environmentally sensitive boardwalks and hiking trails, educational signage, and meeting platforms. TERRADON provided design-build services for the facility to Toyota Manufacturing and AEP who sponsored the project.





# Engineering Services

## Civil Design



TERRADON provides a broad range of civil design services for local municipalities, public service districts, and private owners. Capabilities include site planning and design, paving, grading, and drainage plans, water and wastewater systems, utility design, and environmental permitting.

## Surveying



TERRADON is equipped with the newest surveying instruments available for efficient data processing and accurate gathering of field information. Total stations equipped with data collectors are utilized for complete field-to-office automation, thus achieving the highest productivity possible. The latest versions of software are then used to process the data and achieve the desired end product.

## Roadway Design

TERRADON provides a staff of professionals capable of providing Roadway Design related services including Alignment Studies, Traffic Control Plans, Signing & Pavement Marking Plans, Bridge Hydraulics & Scour Analysis, Drainage Design & Stormwater Management, Erosion and Sediment Control Plans, and Utility Relocation Plans.

## Geotechnical Engineering



Our staff has been involved in a variety of geotechnical-related projects associated with mining, waste disposal, construction of new buildings and environmental remediation. We have the capability to perform both the subsurface investigation and the geotechnical design described as follows:

- Drilling
- Test pit excavations
- Soil and rock logging, sampling and testing
- Monitoring well and piezometer installation
- Foundation design
- Retaining structure design
- Stability analysis

## Construction Monitoring



TERRADON offers full-time and part-time construction monitoring and related services and has routinely provided these services to document regulatory compliance.

- Surveying for construction layout.
- Compaction testing using nuclear densimeter to verify that target compactive levels are being achieved.
- Sampling and geotechnical environmental laboratory analysis.
- Preparation of certification forms and construction reports

# Brief Resumes

**Jim Nagy, P.E.**  
Civil Engineer

Mr. Nagy performs civil engineering related to water and waste water projects at TERRADON. He specializes in the design of water treatment and distribution systems. He has over 23 years of on-hand experience providing engineering for the largest private water company in West Virginia.

Mr. Nagy has a Bachelor of Science in Civil Engineering from the West Virginia University. He is a Professional Engineer with registration in West Virginia.

**JOHN JAMES, P.E.**  
Geotechnical Engineering  
Manager

Senior engineer for various geotechnical, environmental, and mining projects. Mr. James specializes in innovative and cost saving concepts for his projects. Typical projects include foundation investigations, studies and designs for landfills and environmental facilities, surface and ground water studies and remediation, foundation investigations and designs ranging in size from houses to major industrial complexes, roads, highways and bridges, earth and rockfill dams, storm drainage facilities, airport facilities, landslide analysis and correction, and forensic engineering.

Mr. James has a Bachelor of Science in Civil Engineering from West Virginia Institute of Technology. He is a Professional Civil Engineer with registration in West Virginia.

**ROBERT F. THAW, P.S.**  
Professional Surveyor

Among his duties at TERRADON, Mr. Thaw organizes and supervises survey crews; designs commercial sites for drainage, building site locations, parking and utility easements; reviews project plans; uses Global Positioning Systems to create base mapping; and develops programs to provide oil and gas well operators with mapping of mineral leases, existing gas wells, and gas line locations.

Mr. Thaw has more than 17 years of experience in a wide range of land surveying applications. Mr. Thaw has a Bachelor of Science in Land Surveying from West Virginia Institute of Technology.

# Brief Resumes

**TIMOTHY T. WHITE,**  
P.E.  
Highway Group Manager

Mr. White has eleven years experience in the design and project management of various transportation projects. His extensive project experience ranges from small urban intersections and streets to major interchanges, free-ways and interstate highways. His capabilities include all aspects of highway design, including alignment studies, traffic control plans, and signing and pavement marking plans. He also has extensive experience in stormwater management, and environmental permitting. Before joining Terradon, Mr. White worked as a Senior Roadway Engineer for a large international firm.

Mr. White graduated from the West Virginia University with a Bachelor of Science in Civil Engineering, and is a registered professional engineer in the states of West Virginia, Ohio, Kentucky and Arkansas.

**WILLIAM G. WHITE,**  
P.E.  
Senior Structural Engineer

Mr. White has more than fifteen years experience as a structural engineer. He has a strong background in structural analysis and design of bridge structures. Mr. White has experience designing various superstructure and substructure types. Superstructure design experience includes post-tensioned concrete box girders, curved plate girders, plate girders, rolled beams, prestressed concrete beams and timber. Substructure design experience includes integral abutments, semi-integral abutments, pile supported footings, spread footings, piers and drilled shafts.

Mr. White graduated from West Virginia Institute of Technology with a Bachelor of Science in Civil Engineering and is a registered Professional Engineer in the states of West Virginia, Virginia, Ohio, Kentucky, North Carolina, Florida and Arkansas.

**TERESA A. SCHULLER**  
Environmental Manager

Mrs. Schuller has over seventeen years of experience in diverse risk assessment, due diligence, management consulting, and strategic environmental management. She has regulatory compliance experience in CERCLA, RCRA, CAA, and CWA environmental programs. She served seven years as Program Director for a leading international environmental consulting firm with responsibilities for strategic planning, marketing/sales, project management, and staff development.

Mrs. Schuller graduated from Eastern Illinois University in 1979 with a Bachelor of Science degree in Chemistry, She completed a Masters of Science degree from West Chester University in 1983. She has completed additional courses in project management and persuasive communications.

**JOHN B. FRAME**  
Construction Inspection  
Materials Testing Manager

Mr. Frame is TERRADON'S Manager of Construction Inspection and Materials Testing. He has 34 years of experience in materials testing in the Materials Section of WVDOH, District I. Mr. Frame has held a NICET Level 3 Engineering Technician certification. He is DOH certified for sampling and testing aggregate, Portland cement concrete, bituminous concrete, compaction testing and possesses nuclear certification in the State of West Virginia.

# References

Jim McClelland, CPRP, Director  
Greater Huntington Parks & Recreation District, Harveytown Park  
(304) 696-5954

John E. Gibson, Braxton County Commission  
Braxton County Park  
(304) 765-2833 or (304) 765-5923

Jay Roberts, City Planner  
Fairmont Riverfront Park  
(304) 366-6211, Ext. 308

Thomas Flynn, Planner  
Fairmont Riverfront Park  
(410) 267-7220

Anne Cavalier, Vice President - Purchasing  
West Virginia University - Institute of Technology, Extreme Sports  
Park and Marina Study (Project received an Engineering Excellence  
Award)  
(304) 442-3049

David Cramer, PE, Assistant Deputy Commissioner  
WVDOT-DOH  
(304) 558-2804

Larry Lawrence, Director Physical Plant  
Fairmont State College Inter Campus Masterplan  
(304) 367-4295