

Statement of Qualifications



For Professional Engineering Services
for Anne Arundel County Department
of Public Works

Mayo –Triton Beach Upgrades

Contract No. S799204

Project No. S99200

Prepared by:

McCrone, Inc.

20 Ridgely Avenue

Annapolis, MD 21401

410.267.6947

January 10, 2012

January 10, 2012

McCRONE

Ms. Kim Lee

Anne Arundel County Department of Public Works
Office of Purchasing Agent

2660 Riva Road
3rd Floor
Heritage Office Complex
Annapolis, Maryland 21401

RE: Mayo-Triton Beach Upgrades

Project No: S799200
Contract No: S799204

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular.

Sincerely,

McCrone, Inc.

Barry L. Ebersole, P.E. — Branch Manager

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- c. Name 3 goes here
- d. Name 4 goes here
- e. Name 5 goes here
- f. Name 6 goes here

1

Section Title

The key persons that McCrone, Inc. will assign to the Mayo-Triton Beach Upgrades project are shown on the organizational chart. Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the

Management Control & Reporting System

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Subhead Number Two

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Section Title

Project Understanding

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Project Goals

- Provide the required upgrades to the existing Triton Beach Sewer Pump Station. Provide the required upgrades to the existing Triton.
- Complete design that will maximize the existing small site with the goal to minimize or preferably eliminate the need to obtain additional property.
- Complete a design that can be constructed within the County's.

Program of Work

1. Schematic Design Phase

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2. Construction Documents

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- Provide the required upgrades to the existing Triton Beach Sewer Pump Station. Complete design that will maximize the existing small site with the goal to minimize or preferably eliminate the need to obtain.
- Complete design that will maximize the existing small site with the goal to minimize or preferably eliminate the need to obtain additional property.
- Complete a design that can be constructed within the County's construction budget. Lorem ipsum dolar sit amet. Complete design that will maximize the existing small site with the goal to minimize or preferably eliminate the need to obtain additional property.

Budget Control

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Schedule Control

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Robert R. MacWilliams, Prop LS — Project Surveyor

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Point cloud inside a wastewater treatment plant.

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Robert R. MacWilliams, Prop. LS.

— Project Surveyor

Background

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Project Experience

Project Title One — *Rising Sun, MD*

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Project Title Two — *North East, Cecil Co., MD*

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Project Title Three — *Rising Sun, MD*

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Education

2009 So. Maine Tech. College

Associates Degree in
Marine Science

1993 Catonsville Community College

Course Work; Land Dev. &
Surveying, Northern VA Comm.
College; Maryland Society of
Surveyors

Registrations

2002 Professional Land Surveyor

Maryland #21050

2002 Professional Land Surveyor

Pennsylvania #6SU060623

Special Training

Plant & Soil Technology Cert.

So. Maine Tech. College

Executive Management Cert.

The Management Institute, Ltd.

Primary Competencies

- Project Surveyor
- Boundary & Location Surveys
- Easement/Right-of-way Surveys
- Project Surveyor
- Boundary & Location Surveys
- Easement/Right-of-way Surveys

SOQ

McCrone, Inc. Statement of Qualifications

Company Background

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Commitment

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Quality

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Environmentally Perceptive

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Four Office Locations

Annapolis, MD	410.267.6947
Centreville, MD	410.267.6947
Elkton, MD	410.267.6947
Salisbury, MD	410.267.6947

Affiliations

- County Chamber of Commerce
- Delaware Rural Water Association
- Environmental Systems Research Institute (ESRI) Mid-Atlantic User Group
- Affiliation Number Four
- Affiliation Number Five
- Affiliation Name and Number Six
- U.S. Green Building Council (USGBC)

Areas of Expertise

- Water / Waste-Water Engineering
- Area of Expertise Number Two
- Area of Expertise Number Three
- Area of Expertise Number Four
- Area of Expertise Number Five
- Area of Expertise Number Six
- Area of Expertise Number Seven
- Area of Expertise Number Eight
- Area of Expertise Number Nine
- Area of Expertise Number Ten
- Area of Expertise Number Eleven
- Area of Expertise Number Twelve

Economical

We understand your bottom line. Not only are McCrone rates very competitive, but we provide the most cost-effective design solutions to our clients and put forth extra effort to keep our projects on time and within budget.

Capacity

McCrone's branch offices are independent. Each location is able to provide a talented team of registered engineers, designers, engineering technicians, surveyors, construction engineers, and inspectors which enables McCrone to "shift workloads" as needed to meet the needs and demands of our clients. Our survey team consists of experienced, licensed surveyors, survey techs, party chiefs, drafters, and instrument technicians.

3D scanning helps reduce engineering concerns, provides an overall more accurate product, and improves communication between the designers, developers and construction personnel by allowing each individual to virtually visit the project site by "Fly-Through" panning, zooming, measuring and rotating from their computer.

Knowledge of Regulations

Our staff makes it their business to stay ahead of changing regulations. We are following changes in stormwater and sediment and erosion control regulations to serve you better. Once any proposed new regulations have been released, we will review and constantly work to value engineer your site and keep construc.

Selected Staff

Team Member	Experience
Michael W. Burcham, Prof. LS Principle in Charge <i>30 Years Experience</i>	Storm Water Management, Ordinance Writing, Cost Engineering, Contract Administration, Sewer, Water, Technical Assitant for Bond Issues
Stephen Layden, PE / LEED AP Project Manager <i>15 Years Experience</i>	Storm Water Management, Ordinance Writing, Cost Engineering, Contract Administration, Sewer, Water, Technical Assitant for Bond Issues
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3D Laser Scanning

- Captures and converts existing objects into a three-dimensional point cloud
- Bullet point stretching onto two consecutive lines
- Environmental Systems Research Institute (ESRI) Mid-Atlantic User Group
- Bullet point stretching onto two consecutive lines
- Environmental Systems Research Institute (ESRI) Mid-Atlantic User Group
- Bullet point stretching onto two consecutive lines

Construction Phase Services

- Resident inspection of water distribution, wastewater collection, and stormwater management
- Fitting and hydrostatic testing of large water mains
- Vacuum and pressure testing of sewer mains and structures
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- Fitting and hydrostatic testing of large water mains
- Vacuum and pressure testing of sewer mains and structures

Environmental Engineering

- Resident inspection of water distribution, wastewater collection, and stormwater management
- Fitting and hydrostatic testing of large water mains
- Vacuum and pressure testing of sewer mains and structures
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- Fitting and hydrostatic testing of large water mains
- Vacuum and pressure testing of sewer mains and structures

3D Terrestrial LiDAR

Project Subhead

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Point cloud inside a wastewater treatment plant.

Current Uses

- County Chamber of Commerce
- Delaware Rural Water Association
- Affiliation Number Four
- Affiliation Number Five
- Affiliation Name and Number Six
- U.S. Green Building Council (USGBC)
- County Chamber of Commerce
- Delaware Rural Water Association
- Environmental Systems Research
- Affiliation Number Four
- Affiliation Number Five
- Affiliation Name and Number Six
- U.S. Green Building Council (USGBC)
- Affiliation Number Four
- Affiliation Number Five

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Blast Analysis & Risk Management

Delaware National Guard – Georgetown and Delaware City, DE

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BIM & Facilities Management

National Institutes of Health (NIH) – Bethesda, MD

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Site Engineering



Point cloud inside a wastewater treatment plant.



Point cloud inside a wastewater treatment .

Types of Projects

- Commercial
- Residential
- Mixed Use
- Instiitutional
- Industrial
- Recreational

Specialties

- Unwavering Client Service
- Redevelopment
- Environmental Site Design
- Sustainable Design
- GIS Applications
- Architect and Subconsultant Coordination
- Value Engineering

Full Range of Services

- Site Surveying
- Feasibility Studies and Concept Planning
- Road and Utility Design
- Stormwater Management Design
- LEED Consultation and Design
- Permitting and Entitlements
- Construction Administration
- Bidding Assistance
- Shop Drawing Review
- Construction Inspection
- Record Drawings and "As-Built" Surveys
- Permitting and Entitlements
- Construction Administration
- Bidding Assistance

Additional Expertise

- County Chamber of Commerce
- Delaware Rural Water Association
- Environmental Systems Research Institute (ESRI) Mid-Atlantic User
- Affiliation Number Four
- Affiliation Number Five
- Affiliation Name and Number Six
- U.S. Green Building Council (USGBC)

Land Surveying

Service Subhead

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Types of Projects

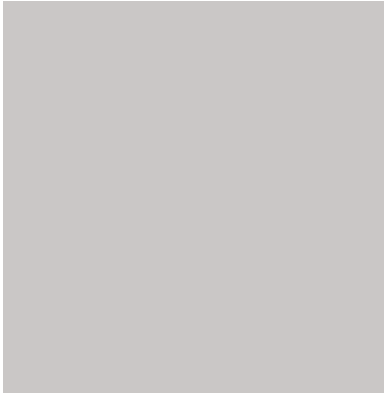
- Commercial
- Residential
- Mixed Use
- Instiitutional
- Industrial
- Recreational

Specialties

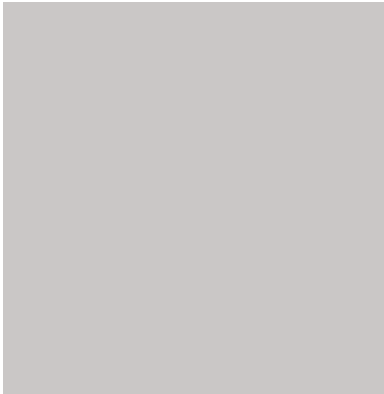
- Unwavering Client Service
- Redevelopment
- Environmental Site Design
- Sustainable Design
- GIS Applications
- Architect and Subconsultant Coordination
- Value Engineering

Full Range of Services

- Site Surveying
- Feasibility Studies and Concept Planning
- Road and Utility Design
- Stormwater Management Design
- LEED Consultation and Design
- Permitting and Entitlements
- Construction Administration
 - Bidding Assistance
 - Shop Drawing Review
 - Construction Inspection
- Record Drawings and "As-Built" Surveys
- LEED Consultation and Design
- Permitting and Entitlements



Point cloud inside a wastewater treatment



Point cloud inside a wastewater treatment

Additional Expertise

- County Chamber of Commerce
- Delaware Rural Water Association
- Environmental Systems Research Institute (ESRI) Mid-Atlantic User Group
- Affiliation Number Four
- Affiliation Number Five
- Affiliation Name and Number Six
- U.S. Green Building Council (USGBC)

Water Resources

Full Range of Services

- Commercial
- Residential
- Mixed Use
- Instiitutional
- Industrial
- Construction Administration
 - Bidding Assistance
 - Shop Drawing Review
 - Construction Inspection
- Commercial
- Residential
- Mixed Use
- Instiitutional
- Industrial
- Mixed Use
- Construction Administration
 - Bidding Assistance
 - Shop Drawing Review
 - Construction Inspection
 - Bidding Assistance
 - Shop Drawing Review
 - Construction Inspection
- Commercial
- Residential
- Mixed Use
- Instiitutional
- Industrial
- Mixed Use

Full Range of Services

- Commercial
- Residential
- Mixed Use
- Instiitutional
- Industrial
- Construction Administration
 - Bidding Assistance
 - Shop Drawing Review
 - Construction Inspection
- Commercial
- Residential
- Mixed Use
- Instiitutional
- Industrial
- Mixed Use
- Construction Administration
 - Bidding Assistance
 - Shop Drawing Review
 - Construction Inspection
 - Bidding Assistance
 - Shop Drawing Review
 - Construction Inspection
- Commercial
- Residential
- Mixed Use
- Instiitutional
- Industrial
- Mixed Use
- Commercial
- Residential
- Mixed Use
- Instiitutional
- Industrial
- Mixed Use



Point cloud inside a wastewater treatment



Point cloud inside a wastewater treatment

Additional Expertise

- County Chamber of Commerce
- Delaware Rural Water Association
- Environmental Systems Research Institute (ESRI) Mid-Atlantic User Group
- Affiliation Number Four
- Affiliation Number Five
- Affiliation Name and Number Six
- U.S. Green Building Council (USGBC)

Mayo Sewer Study

— Anne Arundel County, Maryland

Location and Description

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem. Unknown printer took a galley of type and scrambled it to make a type.

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Client / Owner

St. John Properties, Inc.
5720 Executive Drive
Baltimore, Maryland 21228-1789
410.788.0400

Completion Date

2005

Cost

\$18,000 Engineering