

**Final/Accepted
Fee Proposal**

ORIGINAL

RECEIVED

PROFESSIONAL SERVICES FEE PROPOSAL
DIVISION OF PROPERTY MANAGEMENT & CONSTRUCTION 2018 OCT -2 A 10: 42

THIS FEE PROPOSAL TO BE RETURNED
IN A SEPARATELY SEALED ENVELOPE TO:

DATE: September 20, 2018 TREASURY DPMC
PROJECT NO.: P1188-00 PROCUREMENT

Division of Property Management & Construction
33 WEST STATE ST 9TH FLOOR, PLAN ROOM
P.O. Box 034
Trenton, NJ 08625-0034
Attention: BILL MAHAN

THIS PROPOSAL DUE DATE, NO LATER THAN 2:00 PM, THURSDAY, SEPTEMBER 20, 2018

FIRM NAME Boswell Engineering, Inc.

THE UNDERSIGNED PROPOSES TO PROVIDE ALL PROFESSIONAL SERVICES AS STATED
IN THE REQUEST FOR PROPOSAL AND SCOPE OF WORK

CONSULTANT SURVEY SERVICES	\$ 11,768.50
SUB CONSULTANT SURVEY SERVICES	\$ N/A
TOTAL LUMP SUM FEE FOR SURVEY SERVICES	\$ 11,768.50
CORNER MARKER SETTING ALLOWANCE	\$ 2,975.00
TOTAL CONTRACT AMOUNT	\$ 14,743.50

PROPOSAL TO HOLD GOOD FOR 60 DAYS AFTER THE DUE DATE.

Signature and Title of Principle or Individual of the firm authorized to sign contractual documents:

Signature of the consultant below attests that the Consultant has read, understands and agrees to all terms, conditions and specifications set forth in the Request for Proposal (RFP) and Consultant Proposal Package.

Signature: *Stephen T. Boswell*

Print Name: Stephen T. Boswell, Ph.D., P.E., LSRP, SECB

Title: President

Date: September 10, 2018

Witness Signature: *B. J. Rypkema*

Print Name: Brian J. Rypkema, Esq.

ATTACH PROOF OF REQUIRED INSURANCE COVERAGE

See attached requirements per "General Conditions to Consultant Agreement" Section 27, pp. 18-19

PROFESSIONAL LIABILITY INSURANCE
(\$100,000 MIN LIMIT/\$25,000 MAX DEDUCTIBLE)

PROFESSIONAL SERVICES FEE PROPOSAL
DIVISION OF PROPERTY MANAGEMENT & CONSTRUCTION

CORNER MARKER SETTING ALLOWANCE (UNIT PRICE BREAKDOWN)

FIRM NAME BOSWELL ENGINEERING

PROJECT NO.: P1188-00

UNIT PRICE (CONCRETE MONUMENT)

\$ \$254.00

UNIT PRICE (BAR & CAP OR OTHER PERMANENT MARKER)

\$ \$43.50

(10 MONS @ \$254/PER + 10 PERMANENT MARKERS @ \$43.50/PER) =

\$ \$2,975.00

TOTAL

**Final/Accepted
Fee Proposal**

PROFESSIONAL SERVICES FEE PROPOSAL
DIVISION OF PROPERTY MANAGEMENT & CONSTRUCTION

PROJECT FUNDING BREAKDOWN

FIRM NAME BOSWELL ENGINEERING

PROJECT NO.: P1188-00

PROPERTY ACQUISITIONS FUNDED BY HUD/CDBG/UN (4)

CONSULTANT SURVEY SERVICES	\$	7,845.67
CORNER MARKER SETTING ALLOWANCE	\$	1,983.33
TOTAL	\$	9,829.00

PROPERTY ACQUISITIONS FUNDED BY STATE BLUE ACRES (2)

CONSULTANT SURVEY SERVICES	\$	3,922.83
CORNER MARKER SETTING ALLOWANCE	\$	991.67
TOTAL	\$	4,914.50

TOTAL CONTRACT AMOUNT	\$	14,743.50
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**Final/Accepted
Fee Proposal**

Final/Account
Fee Proposal

CONSULTANT TASK/LABOR/FEE SHEET
A/E: BOSWELL ENGINEERING

Project #: P1188-00

Project Name: Boundary Surveys for Land Acquisition, Various Parcels

Project Location: Keansburg Borough, Monmouth County, NJ

PROJECT PHASE OR TASK	CONSULTANTS LEVEL OF EFFORT IN HOURS/FEE								REPROD. COST	TOTALS
	LEVEL	7	6	5	4	3	2	1	PER PHASE INCLUD.	PER TASK
	*HOURLY RATE		\$ 166.00		\$ 105.00	\$ 121.00	\$ 118.00	\$ 50.00	SUB CONSULTANT DOCUMENTS	HOURS \$ AMOUNT
SURVEY SERVICES	HOURS		24.25		8.5	40.5	15.25	40.5		129
	AMOUNT	\$	\$ 4,025.50	\$	\$ 892.50	\$ 4,900.50	\$ 1,799.50	\$ 2,025.00	\$ 200.00	\$ 13,843.00
MONS. W/GA DISK & TOLLS EXPENSE	HOURS									
	AMOUNT	\$	\$	\$	\$	\$	\$	\$	\$	\$ 900.50
TOTAL	HOURS		24.25		8.5	40.5	15.25	40.5		129
	AMOUNT	\$	\$ 4,025.50	\$	\$ 892.50	\$ 4,900.50	\$ 1,799.50	\$ 2,025.00	\$ 200.00	\$ 13,843.00
PROFESSIONAL SERVICES									HOURS	129
GRAND TOTALS									AMOUNT	\$ 14,743.50

STATE OF NEW JERSEY
BUSINESS REGISTRATION CERTIFICATE
FOR STATE AGENCY AND CASINO SERVICE CONTRACTORS

DEPARTMENT OF TREASURY/
DIVISION OF REVENUE
PO BOX 252
TRENTON, N J 08646-0252

TAXPAYER NAME:

BOSWELL ENGINEERING, INC.

TRADE NAME:

TAXPAYER IDENTIFICATION#

CONTRACTOR CERTIFICATION#

0099760

ADDRESS:

330 PHILLIPS AVE
SO HACKENSACK NJ 07606

ISSUANCE DATE:

10/03/01

EFFECTIVE DATE:

07/01/00

FORM-BRC(08-01)

Patricia A. Chiacchis

Director, Division of Revenue

This Certificate is NOT assignable or transferable. It must be conspicuously displayed at above address.



State of New Jersey

CHRIS CHRISTIE
Governor
KIM GUADAGNO
Lt. Governor

DEPARTMENT OF THE TREASURY
DIVISION OF PURCHASE & PROPERTY
CONTRACT COMPLIANCE AUDIT UNIT
EEO MONITORING PROGRAM
P.O. BOX 206
TRENTON, NJ 08625-0206

FORD M. SCUDDER
Acting State Treasurer

ISSUANCE OF CERTIFICATE OF EMPLOYEE INFORMATION REPORT

Enclosed is your Certificate of Employee information Report (hereinafter referred to as the "Certificate" and issued based on the Employee Information Report (AA-302) form completed by a representative of your company or firm. Immediately upon receipt, this certificate should be forwarded to the person in your company or firm responsible for ensuring equal employment opportunity and/or overseeing the company or firm's contracts with public agencies. Typically, this person may be your company or firm's Human Resources Manager, Equal Employment Opportunity Officer or Contract Administrator. If you do not know to whom the certificate should be forward, kindly forward it to the head of your company or firm. Copies of the certificate should also be distributed to all facilities of your company or firm who engage in bidding on public contracts in New Jersey and who use the same federal identification number and company name. The certificate should be retained in your records until the date it expires. This is very important since a request for a duplicate/replacement certificate will result in a \$75.00 fee.

On future successful bids on public contracts, your company or firm must present a photocopy of the certificate to the public agency awarding the contract after notification of the award but prior to execution of a goods and services or professional services contract. Failure to present the certificate within the time limits prescribed may result in the awarded contract being rescinded in accordance with N.J.A.C. 17:27-4.3b.

Please be advised that this certificate has been approved only for the time periods stated on the certificate. As early as ninety (90) days prior to its expiration, the Division will forward a renewal notification. Upon the Division's receipt of a properly completed renewal application and \$150.00 application fee, it will issue a renewal certificate. In addition, representatives from the Division may conduct periodic visits and/or request additional information to monitor and evaluate the continued equal employment opportunity compliance of your company or firm. Moreover, the Division may provide your company or firm with technical assistance, as required. Please be sure to notify the Division immediately if your company's federal identification number, name or address changes.

If you have any questions, please call (609) 292-5473 and a representative will be available to assist you.

Enclosure(s) (AA-01 Rev. 11/11)

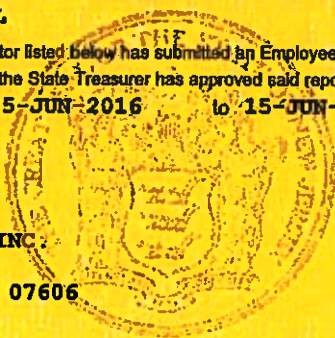
Certification 1502

CERTIFICATE OF EMPLOYEE INFORMATION REPORT

RENEWAL

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of 15-JUN-2016 to 15-JUN-2019

BOSWELL ENGINEERING, INC.
330 PHILLIPS AVENUE
SO. HACKENSACK NJ 07606



Ford M. Scudder
FORD M. SCUDDER
Acting State Treasurer

Vendor Profile - Boswell Engineering

Organization Information Users Address **Commodity Codes and Services** Regions **Terms & Categories** Attachments Vendor Performance

Terms and Categories Information**Terms**

Payment Terms:

Freight Terms:

Shipping Method:

Shipping Terms:

Categories & Certifications**Category: 1. Primary Business Function - (MANDATORY FIELD)**

Provides Any Other Type of Services

Category: 3. Business Formation (MANDATORY FIELD)

Corporation including Professional Corporation/Government Entity

Category: 4. Electronic Funds Transfer Certification (MANDATORY FIELD)

Description: I certify that I am an appointed agent of the vendor referenced and that I hereby authorize the State of NJ to initiate payments to the bank acct and bank named in the electronic funds transfer (if and when the information is provided). This authority is to remain in full force and effect until the State of NJ receives notification of any changes, and in such a manner as to afford the State of NJ a reasonable opportunity to Act.

Select if you prefer a paper check instead and do not want to receive payment via EFT. (Any banking information entered as part of your remittance address will be disregarded and remain inactive.)

Category: 5. Tax ID Certification (Substitute W9) (MANDATORY FIELD)

Description: Under Penalties of Perjury, I certify that (1) The number provided via this registration process is my correct taxpayer ID number AND (2) I am not subject to backup withholding AND (3) I am a U. S. Citizen or a defined U. S. Person for federal tax purposes.

Select if you agree with the statement above.

Category: Certification: Business Registration

Description: This Certification status is updated daily. If your business is not registered, or if your registration is not active, please see the following link:

Active

Category: Certification: Chapter 51/EO 117 Compliance - 2 Year Approval

Description: This Certification status was last updated on 10/2/2018. If your business is not approved, or if your approval has expired, please see the following link

Approved

Notes:

Expires 8/25/2019

Category: Certification: AA/EEOC Compliance

Description: This Certification status is updated daily. If your business does not have a certification, or if your certification has expired, please see the following link:

Yes

Notes:

0000001502 EXPIRES ON 06-15-2019

Close Window

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SONJ_SONJ_PROD_BUYSPED_1_bso

Public Law 2005, Chapter 92
Formerly: Executive Order 129

SOURCE DISCLOSURE CERTIFICATION FORM

Bidder: Boswell Engineering, Inc.

I hereby certify and say:

I have personal knowledge of the facts set forth herein and am authorized to make this Certification on behalf of the Bidder.

The Bidder submits this Certification as part of a bid proposal in response to the referenced solicitation issued by the State of New Jersey, Department of Treasury, Division of Property Management and Construction (DPMC), in accordance with the requirements of Public Law 2005, Chapter 92, (N.J.S.A. 52:34-13.2 et seq., superseding Executive Order 129 (2004)).

The following is a list of every location where services will be performed by the bidder and all subcontractors.

<u>Bidder or Subcontractor</u>	<u>Description of Services</u>	<u>Performance Location(s) by Country</u>
Boswell Engineering, Inc.	Boundary Surveys for Land Acquisition - Various Parcels, Keansburg Borough, Monmouth County, NJ	330 Phillips Ave., South Hackensack, NJ

Any changes to the information set forth in this Certification during the term of any contract awarded under the referenced Project Number will be immediately reported by the Bidder to the Contract Compliance Unit in the DPMC, Department of Treasury, State of New Jersey, PO Box 034, Trenton, NJ 08625.

I understand that, after award of a contract to the Bidder, it is determined that the Bidder has shifted services declared above to be provided within the United States to sources outside the United States, prior to a written determination by the Director, Division of Property Management and Construction, that extraordinary circumstances require the shift of services or that the failure to shift the services would result in economic hardship to the State of New Jersey, the Bidder shall be deemed in breach of contract, which contract will be subject to termination for cause under its contract with DPMC.

I further understand that this Certification is submitted on behalf of the Bidder in order to induce DPMC to accept a bid proposal, with knowledge that the State of New Jersey and DPMC are relying upon the truth of the statements contained herein.

I certify that, to the best of my knowledge and belief, the foregoing statements by me are true. I am aware that if any of the statements are willfully false, I am subject to punishment.

Bidder: Boswell Engineering, Inc.
[Name of Organization or Entity]

By: 

Title: President

Print Name: Stephen T. Boswell, Ph.D., P.E., LSRP, SECB Date: September 10, 2018

MAC BRIDE PRINCIPLES COMPLIANCE CERTIFICATION

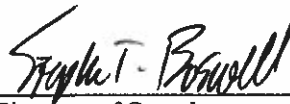
Pursuant to Public Law 1995, c.134, a responsible consultant selected, after public bidding, by the Director of the Division of Property Management and Construction, pursuant to N.J.S.A. 52:32-2, must complete the certification below by checking one of the two representations listed and signing where indicated. If a consultant who would otherwise be awarded a contract or agreement does not complete the certification, then the Director may determine, in accordance with applicable law and rules, that it is in the best interest of the State to award the contract or agreement to another consultant who has completed the certification and has submitted a fee proposal within five (5) percent of the most advantageous fee proposal. If the Director finds the consultant to be in violation of the principles which are the subject of this law, he shall take such action as may be appropriate and provided for by law, rule or contract, including, but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the consultant in default and seeking debarment or suspension of the consultant.

I certify, pursuant to N.J.S.A. 52:34-12.2, that the entity for which I am authorized to bid:

X has no ongoing business activities in Northern Ireland and does not maintain a physical presence therein through the operation of offices, plants, factories, or similar facilities, either directly or indirectly, through intermediaries, subsidiaries or affiliated companies over which it maintains effective control; or

_____ will take lawful steps in good faith to conduct any business operations it has in Northern Ireland in accordance with the MacBride principles of nondiscrimination in employment as set forth in N.J.S.A. 52:18A-89.5 and in conformance with the United Kingdom's Fair Employment (Northern Ireland) Act of 1989, and permit independent monitoring of their compliance with those principles.

I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.



Signature of Consultant

Stephen T. Boswell, Ph.D., P.E., LSRP, SECB

Dated: September 10, 2018

**STATE OF NEW JERSEY
DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION
DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN**

PROJECT NUMBER: P1188-00

BIDDER Boswell Engineering, Inc.

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must complete the certification below to attest, under penalty of perjury, that neither the person or entity, nor any of its parents, subsidiaries, or affiliates, is identified on the Department of Treasury's Chapter 25 list as a person or entity engaging in investment activities in Iran. The Chapter 25 list is found on the Division of Purchase and Property's website at <http://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>. Bidders must review this list prior to completing the below certification. Failure to complete the certification may render a bidder's proposal non-responsive. If the Director finds a person or entity to be in violation of law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

PLEASE CHECK THE APPROPRIATE BOX:

☒ I certify, pursuant to P.L. 2012, c. 25, that neither the bidder listed above nor any of the bidder's parents, subsidiaries, or affiliates is listed on the N.J. Department of the Treasury's list of entities determined to be engaged in prohibited activities in Iran pursuant to P.L. 2012, C. 25 ("Chapter 25 List"). I further certify that I am the person listed above, or I am an officer or representative of the entity listed above and am authorized to make this certification on its behalf. I will skip Part 2 and sign and complete the Certification below.

OR

☐ I am unable to certify as above because the bidder and/or one or more of its parents, subsidiaries, or affiliates is listed on the Department's Chapter 25 list. I will provide a detailed, accurate and precise description of the activities in Part 2 below and sign and complete the Certification below. Failure to provide such will result in the proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.

Part 2: PLEASE PROVIDE FURTHER INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN

You must provide a detailed, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the box(es) below.

Name _____ Relationship to Bidder/Offeror _____
Description of Activities _____
Duration of Engagement _____ Anticipated Cessation Date _____
Bidder/Offeror Contract Name _____ Contact Phone Number _____

List Additional Activities on Separate Sheet

CERTIFICATION: I, being duly sworn upon my oath, hereby represent and state that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I attest that I am authorized to execute this certification on behalf of the above-referenced person or entity. I acknowledge that the State of New Jersey is relying on the information contained herein and thereby acknowledge that I am under a continuing obligation from the date of this certification through the completion of any contracts with the State to notify the State in writing of any changes to the answers of information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreement(s) with the State of New Jersey and that the State at its option may declare any contract(s) resulting from this certification void and unenforceable.

Stephen T. Boswell, Ph.D., P.E., LSRP, SECB
Full Name (Print): _____ Signature: Stephen T. Boswell
Title: President Date: September 10, 2018



September 20, 2018

Division of Property Management and Construction
Contracts & Procurement Unit
Department of Treasury
33 West State Street, 9th Floor, Plan Room
P.O. Box 034
Trenton, NJ 08625-0034

Attention: Mr. Bill Mahan

Re: Project # P1188-00
Technical & Fee Proposal
Boundary Survey for Land Acquisition
Various Parcels
Borough of Keansburg, Monmouth County, NJ
Our File No.: PR-18-8725

Dear Mr. Mahan:

Boswell Engineering (Boswell), in accordance with the Division of Property Management and Construction's (DPMC) invitation, is pleased to submit an original and four (4) copies of our Technical Proposal and in a separately sealed envelope, an original and four (4) copies of our Fee Proposal for the above referenced project.

Statement of Interest - Based upon our review of the Scope of Work, our extensive resources in the requisite PO15 – Land Surveying discipline and our extremely well qualified survey staff, we are enthusiastically interested in performing the professional surveying services detailed in the DPMC's Request for Proposal.

Location Where Work will be Performed - The office of record for this project will be **Boswell's** corporate headquarters located at 330 Phillips Avenue, South Hackensack, New Jersey.

We appreciate the opportunity to submit our Technical Proposal and Fee Proposal and look forward to applying our myriad of experience providing the Boundary Surveys as needed for land acquisition by the State. Should there be any questions or if further information is required, please do not hesitate to contact Frank Krupinski, P.L.S. or me.

Very truly yours,

BOSWELL ENGINEERING

Stephen T. Boswell, Ph.D., P.E., LSRP, SECB, CME

STB/FMK/rm
Enclosures

RECEIVED
SEP 20 10 11 AM '18
DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION



Section A:

Company Overview - Boswell Engineering (Boswell), a multi-disciplinary, full service engineering firm, possessing civil, structural and environmental engineering, construction management/inspection and surveying capability, is currently ranked *nationally among ENR's "Top 500 Design" and "Top 100 Construction Management" firms* and ranked statewide among NJBIZ's, *"Top Engineering Firms."* Since its founding in 1924, **Boswell** has provided public and private sector clients with a comprehensive range of professional engineering services and has earned a distinguished reputation for its technical and management expertise. With over 200 employees, **Boswell** is recognized as *one of the largest and most diverse New Jersey based engineering firms.*

The company's ability to set forth its capabilities through the development and utilization of novel approaches and technological advancements is a direct result of a highly trained and versatile professional and technical staff. This level of qualified individuals has consistently enabled the firm to provide the planning, survey, design and construction supervision for numerous projects which have improved the quality of life for the cities, towns and counties with which we have been associated.

Boswell built an early reputation for excellence by skillfully performing countless surveys over many years. Today, **Boswell** continues to perform hundreds of surveys each year utilizing advanced surveying equipment and field instruments. Electronic total station, Real-Time Kinematic Surveying (RTK), Global Positioning Systems (GSP), and powerful laptop computers are just some of the sophisticated equipment we use in the field.

Boswell is also recognized as a leader in surveying by title insurance companies, courts and public agencies all seeking the **Boswell** expertise in the final determination of land and riparian boundaries.


Surveying Services include:

- GSP/RTK survey
- Boundary & topographic surveys
- Right-of-way surveying & mapping
- Ground control & baseline surveys
- Construction stakeout
- Hydrographic charting & surveys

The **Boswell** organization represents a competent, qualified and experienced firm with the sufficient staff resources necessary to meet all of the DPMC's objectives and performance standards. The extensive experience and the philosophy of the firm encourages staff to be innovative and creative, willing to take on and solve complex and analytical problems. **Boswell** is committed to providing the DPMC with an exceptional product which is cost-effective, high in quality and adheres to specific time requirements.



Administrative Information

Company Name: Boswell Engineering
Address: 330 Phillips Avenue
South Hackensack, NJ 07606
Telephone: 201-641-0770
Fax: 
Web: <http://boswellengineering.com>
Key Contact Person: Stephen T. Boswell, Ph.D., P.E., P.P., SECB, LSRP, CME
Project Manager: Frank M. Krupinski, P.L.S.
Business Organization: Corporation (New Jersey – established 1924)
Years in Business/Current Mgmt: 94 years / 34 years
State of New Jersey Business Registration Certificate: Certificate No. 0099760

STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE FOR STATE AGENCY AND CASINO SERVICE CONTRACTORS		DEPARTMENT OF TREASURY DIVISION OF REVENUE PO BOX 752 TRENTON, N J 08646-0252
TAXPAYER NAME: BOSWELL ENGINEERING, INC.	TRADE NAME:	
TAXPAYER IDENTIFICATION#	CONTRACTOR CERTIFICATION# 0089780	
ADDRESS 330 PHILLIPS AVE 80 HACKENSACK NJ 07606	ISSUANCE DATE: 10/03/01	
EFFECTIVE DATE: 07/01/88	 Director, Division of Revenue	
FORM-BRC(08-01)	This Certificate is NOT assignable or transferable. It must be conspicuously displayed at above address.	

- New Jersey Certificate of Authorization to Perform Engineering and Land Surveying – Certificate No. 24GA27958000

State of New Jersey Division of Consumer Affairs State Board of Professional Engineers and Land Surveyors	
THIS CERTIFIES THAT BOSWELL ENGINEERING, INC. 330 Phillips Avenue South Hackensack NJ 07606	
Has met the requirements of the State Board of Professional Engineers and Land Surveyors and is hereby issued a CERTIFICATE OF AUTHORIZATION to offer the following services: Engineering & Land Surveying	
Person in Responsible Charge:	STEPHEN T BOSWELL
For the names of other Responsible Charge Licensees, go to: http://www.niconsumeraffairs.com/ceis/certcat.pdf	
Date:	August 22, 2018
Certificate No.	24GA27958000
Expiration Date:	08/31/2020
 Acting Executive Director	



STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY
DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION

NOTICE OF CONSULTANT PREQUALIFICATION

FIRM: **BOSWELL ENGINEERING, INC.**
ADDRESS: **330 PHILLIPS AVENUE**
SOUTH HACKENSACK, NJ 07606

☐ INITIAL ☒ REVISED ☐ RENEWAL

DATE OF ISSUE: **JUNE 11, 2018**
EXPIRATION DATE: **AUGUST 15, 2019**
FEDERAL ID NUMBER: **221 896 168**

☐ MBE ☐ WBE ☐ SBE ☐ VOB

The Experience Questionnaire (FORM 48A), submitted by your firm, has been reviewed. As a result of this review, your firm may be invited to submit proposals for projects involving the checked discipline(s) having a not to exceed Construction Cost Estimate (CCE) as noted. For the purposes of this form, NA = no fixed amount.

- ☐ ARCHITECTURE
- ☒ ELECTRICAL ENGINEERING
- ☐ HVAC ENGINEERING
- ☐ PLUMBING ENGINEERING
- ☒ CIVIL ENGINEERING
- ☒ SANITARY ENGINEERING
- ☒ STRUCTURAL ENGINEERING
- ☐ MECH., ENG. (ELEV., CONVEYORS, ETC.)
- ☐ SOILS ENGINEERING
- ☐ FIRE PROTECTION ENGINEERING
- ☒ ENVIRONMENTAL ENGINEERING
- ☒ MARINE ENGINEERING
- ☐ LANDSCAPE DESIGN
- ☐ PLANNING
- ☐ LAND SURVEYING
- ☐ AERIAL SURVEYING
- ☒ HYDROGRAPHIC SURVEYING
- ☐ FIRE & LIFE SAFETY RENOVATIONS
- ☐ BUILDING COMMISSIONING
- ☐ BOILER/STEAM LINES/HIGH PRESSURE SYS.
- ☐ DAM/LEVEE DESIGN
- ☒ BARRIER FREE/ADA DESIGN
- ☒ ESTIMATING/COST ANALYSIS
- ☐ INTERIOR DESIGN/SPACE PLANNING
- ☐ ROOFING INSPECTION
- ☐ CONSTRUCTION MANAGEMENT
- ☐ CPM
- ☐ ARCHAEOLOGY
- ☐ GEOLOGY
- ☐ VALUE ENGINEERING
- ☐ HISTORIC PRESERVATION/RESTORATION

5 MILLION

10 MILLION

3 MILLION

10 MILLION

10 MILLION

5 MILLION

NA

NA

10 MILLION

NA

- ☐ ROOFING CONSULTANT
- ☐ ACOUSTICS
- ☐ ASBESTOS DESIGN
- ☐ ASBESTOS SAFETY MONITORING
- ☐ CLAIMS ANALYSIS
- ☐ TELECOMMUNICATIONS
- ☐ EXHIBIT/INTERPRETATIVE DESIGN
- ☐ FEASIBILITY PLANNING
- ☐ FIRE DETECTION SYSTEMS
- ☐ FIRE PROTECTION SYSTEMS
- ☐ FOOD SERVICE
- ☐ HYDRAULICS/PNEUMATICS
- ☒ HYDROLOGY
- ☐ SECURITY SYSTEMS
- ☒ SITE PLANNING
- ☐ TESTING & BALANCING
- ☒ TRAFFIC
- ☒ TRANSPORTATION
- ☒ WASTE/WATER TREATMENT
- ☐ ENERGY MANAGEMENT CONTROL SYSTEM
- ☐ RENEWAL ENERGY CONSULTANT
- ☒ CONSTRUCTION FIELD INSPECTION
- ☒ PROJECT MANAGEMENT
- ☒ ENVIRONMENTAL CONSULTANT
- ☐ STORAGE TANK REMOVAL
- ☐ STORAGE TANK INSTALLATION
- ☐ PERIMETER SECURITY FENCING
- ☐ INDOOR AIR QUALITY TESTING
- ☐ LANDFILL CLOSURE
- ☐ LEAD PAINT EVALUATION

NA

10 MILLION

NA

3 MILLION

10 MILLION

10 MILLION

10 MILLION

NA

PREPARED BY:

Pamela Sullivan
PAMELA SULLIVAN
MANAGER, PREQUALIFICATION UNIT

APPROVED BY:

Richard S. Flodman
RICHARD S. FLODMAN
DEPUTY DIRECTOR

NOTE: THIS IS AN ORIGINAL DOCUMENT AND MAY BE REQUIRED AS PROOF OF YOUR PREQUALIFICATION STATUS. PLEASE RETAIN THIS FORM FOR YOUR RECORDS.



State of New Jersey

DEPARTMENT OF TREASURY
DIVISION OF PROPERTY MANAGEMENT & CONSTRUCTION
PO BOX 034
TRENTON NJ 08625-0034

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

ELIZABETH MAHER MUOIO
State Treasurer

CHRISTOPHER CHIANESE
Director

DATE: August 23, 2018
TO: All Participating Firms
FROM: Richard M. Ferrara, Assistant Deputy Director
Contracts & Procurement Unit
SUBJECT: Addendum "A" dated August 23, 2018
Project: P1188-00
Boundary Surveys for Land Acquisition
Various Parcels
Keansburg Borough, Monmouth County, NJ

RL

Enclosed is the above referenced addendum. All competing firms shall acknowledge receipt by returning this form to:

Division of Property Management & Construction
Contracts and Procurement Unit
Attention: Bill Mahan
P.O. Box 034
Trenton, NJ 08625-0034
Fax #: (609) 777-1970
Email: william.mahan@treas.nj.gov

August 30, 2018

Date Received
Boswell Engineering, Inc.

Firm Name
330 Phillips Ave., South Hackensack, NJ 07606

Address

Signature *John E. Cassetta*
John E. Cassetta
Senior Vice President

Title

Addendum "A"
Project: P1188-00
Boundary Surveys for Land Acquisition
Various Parcels
Keansburg Borough, Monmouth County, NJ
Date: August 23, 2018

This ADDENDUM is issued for the purpose of clarifying and amending certain requirements of the Scope of Work as noted hereinafter, and is hereby made part of and incorporated in the Consultant's Contract. The consultant is to consider these matters when preparing their technical and fee proposals for this project. Unless specifically noted or specified hereinafter, all work shall comply with the applicable provisions of the Contract.

ADDENDUM "A"

DIANE B. ALLEN EQUAL PAY ACT

The Diane B. Allen Equal Pay Act became effective July 1, 2018. Pursuant to N.J.S.A. 34:11-56.14, a contractor performing "qualifying services" or "public work" to the State or any agency or instrumentality of the State shall provide the Commissioner of Labor and Workforce Development a report regarding the compensation and hours worked by employees categorized by gender, race, ethnicity and job category. For more information and report templates see <https://nj.gov/labor/equalpay/equalpay.html>

END OF ADDENDUM "A"



State of New Jersey

DEPARTMENT OF TREASURY
DIVISION OF PROPERTY MANAGEMENT & CONSTRUCTION
P.O. Box 034
TRENTON, NJ 08625-0034

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
 Lt. Governor

ELIZABETH MAHER MLOIO
State Treasurer

CHRISTOPHER CHIANESE
Director

DATE: September 12, 2018

TO: Participating Consultants

FROM: Richard M. Ferrara, Assistant Deputy Director
Contracts & Procurement Unit

RM
ERP

SUBJECT: Addendum "B" dated September 12, 2018
Project: P1188-00
Boundary Surveys for Land Acquisition
Various Parcels
Keansburg Borough, Monmouth County, NJ

Enclosed is the above referenced addendum. All competing firms shall acknowledge receipt by returning this form to:

Division of Property Management & Construction
Contracts and Procurement Unit
Attention: Bill Mahan
P.O. Box 034
Trenton, NJ 08625-0034
Fax #: (609) 777-1970
Email: william.mahan@treas.nj.gov

September 12, 2018

Date Received

Boswell Engineering, Inc.

Firm Name

330 Phillips Ave., South Hackensack, NJ 07606

Address

Signature John E. Cassetta

Senior Vice President

Title

ADDENDUM "B"
DPMC PROJECT #: P1188-00
Boundary Survey for Land Acquisition
Various Parcels
Keansburg Borough, Monmouth County, NJ
Date: September 12, 2018

ADDENDUM "A"

This ADDENDUM is issued for the purpose of clarifying and amending certain requirements of the Solicitation of Professional Services, Request for Proposal for Consultant Services and Scope of Work as noted hereinafter, and is hereby made part of and incorporated in the Consultant's Contract. The consultant is to consider these matters when preparing their technical and fee proposals for this project. Unless specifically noted or specified hereinafter, all work shall comply with the applicable provisions of the Contract.

REMINDERS:

- **The Proposal due date is 9/20/2018 NO LATER THAN 2:00 PM.** Please see below for the address.
- **If sending by Regular mail:** Department of Treasury, Division of Property Management and Construction, Contracts & Procurement Unit, 33 West State Street, 9th Floor Plan Room, PO Box 034 Trenton, NJ 08625. Attention Bill Mahan
- **If sending by Delivery Service (FedEx, UPS etc):** Department of Treasury, Division of Property Management and Construction, Contracts & Procurement Unit, 33 West State Street, 9th Floor Plan Room, Trenton, NJ 08608. Attention Bill Mahan
- Please note that in Section II, Consultant Qualifications, A. of the Scope of Work (SOW), Consultant & Sub-Consultant Pre-Qualifications provides the pre-qualification requirements necessary to be considered for this project. This section clearly states in part that the consulting firm "... have in-house capabilities or Sub-Consultants pre-qualified with DPMC in all other Architectural, Engineering and Specialty Disciplines necessary to complete the project as described in this Scope of Work (SOW). This information is also reiterated in the RFP. Proposals received with non-DPMC prequalified Consultants/Sub-Consultants will not be considered.

CONSULTANT QUESTIONS:

Questions from Adams, Rehmann & Heggan Associates

1. Is Planimetric Mapping available for the site?

RESPONSE: There is no planimetric mapping available.

2. Is current Orthophotography available?

RESPONSE: The only orthophotography available is that which is on New Jersey Geographic Information Network (NJGIN) which is vintage 2015.

3. Has the elevation for the mean high water been established for the site area? Is the NJDEP-Riparian Claim line sufficient for this project? On lots with no bulkhead this raises a question. No elevation has been established.

RESPONSE: *The NJDEP-Riparian Claim line is sufficient.*

4. Is the Land Surveying Contractor excluded from paying "Prevailing Wages"? If not has a prevailing wage determination been requested/established for the project?

RESPONSE: *The Land Surveying Contractor is excluded from prevailing wages.*

5. We are assuming this is a cadastral surveying project and does not include any wetlands determination or other environmental studies

RESPONSE: *Yes, that is correct.*

Questions from Boswell Engineering, Inc.

My questions are regarding the Scope of Work (XI. Fee Breakdown and Invoicing):

1. The six (6) properties should read 4 HUD/CDBG/UN and 2 Blue Acres or are the Exhibits Incorrect?

RESPONSE: *The RFP is incorrect and it should be 4 properties funded by HUD/CDBG/UN and 2 properties funded by State Blue Acres.*

2. For the cost forms, I assume we can add a sheet breaking down the Total Contract Amount into the two separate fees, and add that after the Total Summary Sheet?

RESPONSE: *Yes you may provide a breakout in addition to the provided Fee Proposal Forms.*

3. The last paragraph mentions separate invoices for the three funding sources. That should be two funding sources, no?

RESPONSE: *The invoicing should be separate invoices for the 2 funding sources, not 3.*

4. One last thing: is there possibly an interest to see all site improvements on the subject lots reflected on the Survey? Only asking, because I've had some of our surveys used for demolition estimates.

RESPONSE: *All of the recent surveys for Blue Acres projects have been showing all of the improvements on the site, particularly on small lots. That portion of the RFP is meant for large lots, if any.*

END OF ADDENDUM "B"



Experience/Representative Projects

Boswell, since its founding in 1924, has kept pace with the rapidly changing technological advancements in the industry in order to provide public and private sector clients with state-of-the-art engineering and surveying services and has skillfully performed countless surveys over the years. Today, **Boswell** continues in this tradition performing hundreds of surveys each year utilizing advanced surveying equipment and field instruments including, Global Navigation Satellite System (GNSS) receivers with Real-Time Kinematic (RTK) capability and electronic total stations with onboard data collection.

Boswell's survey services include **Green Acres surveys (both State and Local Unit acquisitions)**, **Blue Acres surveys**, boundary surveys, topographic surveys, flood elevation certifications, ALTA/NSPS Land Title Surveys, GNSS surveys, utility surveys, wetlands delineation surveys, route surveys, title surveys, right-of-way surveying and mapping, construction stakeout (layout) and as-built surveys monitoring well surveys, and hydrographic surveying.

Boswell's survey crews are equipped with GNSS/RTK equipment (1 Leica GS1x VIVA GNSS System and 2 Leica System 1200 Receivers), total stations (2 Leica TS 11, 3 Leica TCR 1103,). **Boswell's** GS1 VIVA GNSS System and one of the System 1200 setups utilizes Leica Geosystems' high accuracy, high availability SmartNet North America RTK Network. The other System 1200 setup employs CDMA technology, with a base and rover configuration, resulting in a range of nearly 35 km. The field instruments utilized by our field personnel afford the luxury of direct interface with desktop computers in our office. The field instruments are also loaded with coordinate geometry programs to aid the field crews during radial stakeout. This enables any changes required by field conditions to be handled at the site without loss of efficiency. All data collected by GNSS/RTK satellite surveying can be seamlessly integrated into our mapping via exporting and importing a standard ASCII file. Our collected GNSS/RTK data is processed utilizing Leica LGO V7.0.1 software.

Boswell's computer network is comprised of over 100 Intel based workstations connected through a gigabit local area network. This permits each workstation access to file servers, as well as black and white and color laser printers and large format plotters. Mobil workstations can connect to **Boswell's** network through a secure VPN connection. **Boswell's** computer network is as follows:

- 13 stations in the Surveying Department,
- 48 stations in the Engineering Department,
- 28 stations in the CADD Department; and
- 15 stations for Administration

The graphic workstations use either AutoDesk Land Desktop, AutoCAD, Civil 3D or MicroStation and Bentley InRoads as the CADD software. AutoDesk Land Desktop will be the drafting software utilized for this project.



State of New Jersey

Department of the Treasury



DPMC Project No. P1188-00

*Boundary Survey for Land Acquisition
Borough of Keansburg, New Jersey*

Our survey software is rounded out by AutoDesk Civil 3D for survey data processing, survey baseline analysis and adjustment and for the creation of digital terrain models.

The CADD files can be provided either by email, on CD disk or downloaded from our FTP site. Comparable data collector files and/or post processed survey files containing feature information can be converted to various formats other than how originally collected and final drawings if required, can be provided in formats other than Land Desktop. **Boswell's** in-house GNSS group is experienced in the integration of data collected by GNSS/RTK satellite surveying into its mapping. All GNSS/RTK data is processed utilizing Leica's LGO software.

Boswell's CADD Department is capable of meeting client's criteria for specific requirements of digital data (hardware, software, layering, line types, symbols, attributes, etc.) and is experienced in ESRI ArcGIS. This allows the delivery of file drawings in the format required by the client. We have specific workstations that are designated as Microstation V8 and SE computers which that can produce DGN drawing format files.

Our survey personnel have had various OSHA training courses, including HAZWOPER training, and attend the necessary refresher courses, as required. All survey parties are provided with a fully equipped van, together with all necessary safety gear and equipment.

Representative Survey Projects follow in this Section.



Boswell has provided professional surveying services throughout the State of New Jersey for more than nine decades. The following is a representation of projects demonstrating the firm's experience and qualifications to perform Boundary Surveys that may be required by the DPMC in the Borough of Keansburg.

Project Name & Location: Boundary Surveys for Land Acquisition, Various Parcels
Township of Ocean, Monmouth County, New Jersey

Client: State of New Jersey,
Department of the Treasury,
Division of Property Management & Construction
Trenton, New Jersey

Description of Services:

In order for the State of New Jersey to proceed with the acquisition of ten (10) properties in the Township of Ocean, **Boswell** performed the necessary field surveying to locate property corners and other items which may indicate lines of possession; researched and plotted all deeds of record (including adjoining properties), maps on file with the County of Monmouth; and performed an analysis comparing record data to field locations.

Boswell researched records, performed the field surveying, performed the boundary analysis, submitted a required preliminary survey plat and description to **Green Acres** via email for review, submitted an additional revised preliminary plat and description for review and ultimately prepared and delivered the final submittal of all ten (10) properties in the thirty-two (32) calendar days.

The boundary surveys and all necessary deliverables were prepared in accordance with the State of New Jersey, Department of Environmental Protection, **Green Acres Program's** procedures for **Blue Acres Floodplain Acquisitions**.



Project Name & Location: Community Development Block Grant Disaster Recovery,
FEMA Hazard Mitigation Grant Program & NJDEP Green Acres
Programs
Township of Little Falls, Passaic County, New Jersey

Client: Township of Little Falls

Description of Services:

In order for the Township of Little Falls to proceed with the acquisition of five (5) properties, **Boswell** performed the necessary field surveying to locate property corners and other items which may indicate lines of possession; researched and plotted all deeds of record (including adjoining properties), maps on file with the County of Passaic; and performed an analysis comparing record data to field locations.

To meet the initial property closing deadline, **Boswell** was able to research records, perform the field survey, perform the boundary analysis, submit a survey plat to **Green Acres** via email for review and prepare and hand deliver the final submittal within the seven (7) days allotted.

The boundary surveys and all necessary deliverables were prepared in accordance with the State of New Jersey, Department of Environmental Protection, **Green Acres Program's** procedures for **Blue Acres Floodplain Acquisitions**.



Project Name & Location: Community Development Block Grant Disaster Recovery
Program Property Acquisitions
Borough of Hawthorne, Passaic County, New Jersey

Client: Borough of Hawthorne

Description of Services:

Surveying for the acquisition of three (3) properties by the Borough of Hawthorne. **Boswell** performed the necessary field surveying to locate property corners and other items which may indicate lines of possession; researched and plotted all deeds of record (including adjoining properties), maps on file with the County of Passaic; and performed an analysis comparing record data to field locations.

The boundary surveys and all necessary deliverables were prepared in accordance with the State of New Jersey, Department of Environmental Protection, **Green Acres Program**'s procedures for **Blue Acres Floodplain Acquisitions**.



Project Name & Location: Flood Damaged Property Acquisition
Borough of Westwood, Bergen County, New Jersey

Client: Borough of Westwood

Description of Services:

Boswell performed the necessary field surveying to locate property corners and other items which may indicate lines of possession; researched and plotted all deeds of record (including adjoining properties), maps on file with the County of Bergen; and performed an analysis comparing record data to field locations.

The boundary surveys and all necessary deliverables were prepared in accordance with the State of New Jersey, Department of Environmental Protection, **Green Acres Program**'s procedures for **Blue Acres Floodplain Acquisitions**.

A total of six (6) properties have been surveyed to date. Three (3) of these properties were originally surveyed in 2012 and the three (3) remaining properties were surveyed later, one each in 2013, 2014 and 2016.



Project Name & Location: Sourland Mountain Natural Area
Township of West Amwell, Hunterdon County, New Jersey

Client: State of New Jersey,
Department of Environmental Protection
Trenton, New Jersey

Description of Services:

This survey of 53 acres originally started as a minor subdivision. Jersey Central Power & Light (JCP&L) was interested in purchasing 6.9 acres of the owners' property. Subsequently, the owners decided to sell a portion of the property to **Green Acres** and then sell the remaining unencumbered property to JCP&L.

Boswell performed the necessary field surveying to locate property corners and other items which may indicate lines of possession; researched and plotted all deeds of record (including adjoining properties), maps on file with the County of Hunterdon; and performed an analysis comparing record data to field locations.

Boswell prepared the boundary surveys and all necessary deliverables in accordance with the State of New Jersey, Department of Environmental Protection, **Green Acres Program's** Scope of Survey Services and Standard Detail Requirements with respect to State Land Acquisitions.



Project Name & Location: Brook's Farm Plan Acquisition
Borough of Closter, Bergen County, New Jersey

Client: Borough of Closter, New Jersey

Description of Services:

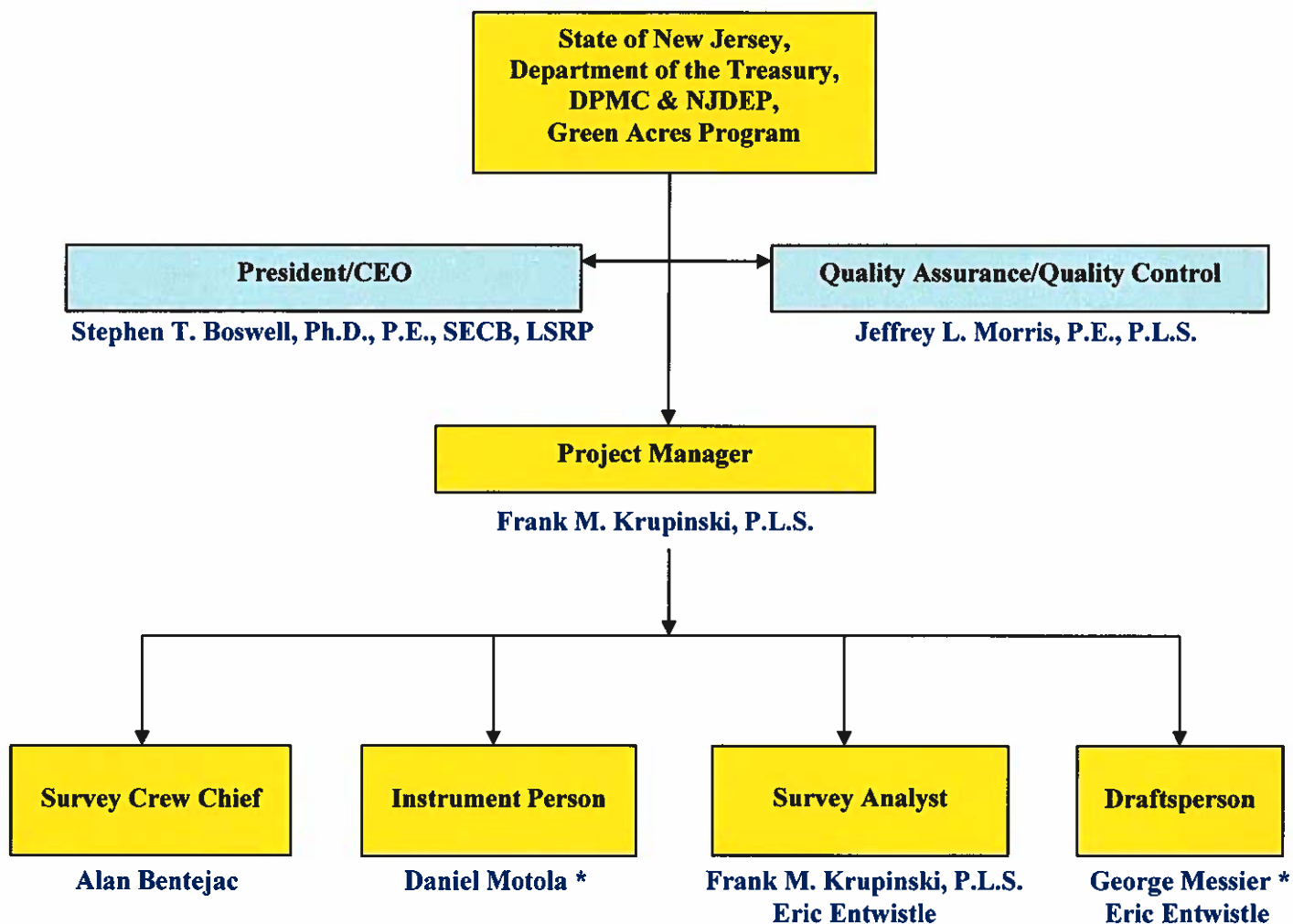
Boswell performed the necessary field surveying to locate property corners and other items which may indicate lines of possession; researched and plotted all deeds of record (including adjoining properties), maps on file with the County of Bergen; and performed an analysis comparing record data to field locations.

Boswell prepared the boundary surveys and all necessary deliverables for these four (4) properties ranging from 0.4 acre to 6.183 acres in accordance with the State of New Jersey, Department of Environmental Protection, **Green Acres Program's** Scope of Survey Services and Standard Detail Requirements with respect to Local Unit Land Acquisitions.

Three (3) properties were originally surveyed in 2006 and a fourth property was added in 2011.



Section B: Organization Chart



* - Key team member, but no resume provided



Section C: Resumes

Detailed resumes of Key Team Members as depicted on Organization Chart in Section B follow in this Section.

Stephen T. Boswell, Ph.D., P.E., LSRP, SECB
President/CEO



YEARS OF EXPERIENCE: 39 Years

EDUCATION:

B.A. Biology/Chemistry, New York University
M.A. Biological Sciences, William Paterson University
Degree of Civil Engineer (Double Master's Degree), Stevens Institute of Technology
Ph.D. Environmental Engineering, Stevens Institute of Technology

REGISTRATION:

Professional Engineer - Arizona, Arkansas, California, Connecticut, Delaware, Georgia, Illinois, Iowa, Kansas, Kentucky, Maine, Maryland, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Pennsylvania, South Carolina, Texas, Vermont, Virginia, West Virginia, and Wisconsin

NJDEP Licensed Site Remediation Professional (LSRP)
Professional Planner - New Jersey
Certified Municipal Engineer - New Jersey
Structural Engineering Certification Board
NICET - Certified, Highway Construction
NJDEP Certification - Entire Underground Tank System Installation and Closure, Tank Testing and Subsurface Evaluation
OSHA 40-Hour Hazardous Waste Site Operations
OSHA Certified in Construction Safety
Certified Public Works Manager
Qualified Environmental Professional

GUBERNATORIAL APPOINTMENT:

Dr. Boswell was appointed by the Governor of the State of New Jersey and confirmed by the State Senate to the New Jersey Council on Environmental Quality.

SENATE PRESIDENT APPOINTMENT:

Dr. Boswell was appointed by the New Jersey State Senate President to the Environmental Risk Assessment and Risk Management Study Commission.

EXPERIENCE:

Dr. Boswell is the President and CEO of Boswell Engineering, directing all phases of the business. Under his direction, the firm has provided the design and engineering for hundreds of environmental investigation and remediation projects throughout the State of New Jersey. He is also the appointed municipal, planning board, and zoning board of adjustment engineer for over 30 communities. As a recognized expert in his field, Dr. Boswell has served as an expert witness for numerous public and private entities in litigation, arbitration and mediation proceedings.

STEPHEN T. BOSWELL, Ph.D., P.E., P.P., LSRP, SECB

As the managing officer of Boswell Engineering, Dr. Boswell is ultimately responsible for the quality and timeliness of all projects performed by the firm. A sampling of significant environmental engineering projects of the firm includes the following:

- ***Budget Rent-A-Car, Paramus, NJ.*** Licensed Site Remediation Professional (LSRP) and project director for the site/remedial investigation (SI/RI) and remedial action (RA) of a former automotive filling station and repair garage. Work included investigation and delineation of petroleum contaminants in soil and groundwater. Supervised the removal of the former underground storage tank (UST) system and remedial excavation of contaminated soil from beneath a leaking dispenser island. Performed the requisite RI, including soil and groundwater sampling. Authored the Remedial Investigation Reports (RIR) and issued the site's Response Action Outcome (RAO) to close out the case.
- ***Toscano & Taccetta Realty Co., Glen Rock, NJ.*** The LSRP and project director for conducting the SI/RI of soil and groundwater at a former warehouse. Contaminants at the site were related to a former rail spur and two (2) abandoned gasoline USTs. Work included UST removals, soil and groundwater sampling and soil remediation involving in-situ chemical oxidation. Prepared reports documenting all investigation and remedial activities. The RI also included a well canvass, off-site well sampling and vapor intrusion (VI) sampling.
- ***Enor Corporation, Northvale, NJ.*** The LSRP and project director for the Industrial Site Recovery Act (ISRA) investigation of the chlorinated organic solvent trichloroethylene (TCE) soil and groundwater contamination at a former plastics manufacturer. The contamination resulted from the property's previous electronics manufacturer who discharged solvents into an on-site septic system. Work included completing all necessary ISRA forms prior to the property's sale, preparing an estimated remedial cost estimate and working with the client and TD Bank to establish Remediation Trust Fund which allowed for the property's sale before the cleanup was complete. Also prepared a detailed Preliminary Assessment (PA) to identify potential environmental areas of concern (AOC), and a SI/RI. The groundwater RI included contaminant delineation both on and off-site. Where off-site wells were needed, coordinated with neighboring property owners and obtained the necessary access agreements. Prepared groundwater contaminant isopleths and elevation contours. Also completed a thorough Receptor Evaluation (RE) to determine contaminant impacts to the surrounding neighborhood.
- ***Veteran's Park, Ridgefield Park, NJ.*** The LSRP and project director for site's remediation following the discovery of buried paint cans and historic fill material during the installation of a new synthetic turf athletic field. Completed a PA for the site in order to investigate the source of the contaminants. Delineated the horizontal and vertical extent of the contaminants and directed source soil removal with simultaneous transportation and disposal. Integrated the design of the new field into the site's overall capping plan to address the historic fill and issued the project an RAO.
- ***Department of Public Works (DPW) Annex, Cliffside Park, NJ.*** The LSRP and project director for the investigation and remediation of three (3) contiguous sites prior to the construction of the Borough's new DPW Annex. Work included completing separate PAs/SIs/RIs prior to the Borough's purchase of the properties. Oversaw the subsurface investigation at former USTs and the remediation of a petroleum contaminated floor drain system inside a warehouse building occupying one (1) of the properties. Supervised the demolition of structures on two (2) of the sites and prepared a Remedial Action Workplan (RAW) for the capping of historic fill material encountered on all three (3) properties. Currently finalizing the RAR and will issue the site's RAO.
- ***North Bergen Municipal Complex, North Bergen, NJ.*** The LSRP and project director for the groundwater RI at the North Bergen Municipal Services Complex following a UST removal. Work included soil subsurface evaluation during monitoring well installation;

STEPHEN T. BOSWELL, Ph.D., P.E., P.P., LSRP, SECB

delineating the horizontal/vertical extent of groundwater contamination in accordance with NJDEP requirements; completing a detailed Receptor Evaluation (well canvas & survey, storm sewer air monitoring, etc.); modeling the existing hydraulic gradient and groundwater contamination, and reviewing a detailed RIR for submission to the NJDEP following the completion of all field activities.

Dr. Boswell has authored numerous Preliminary Assessment Reports (PAR), Site/Remedial Investigation Reports (SIR/RIR), Remedial Action Workplans (RAW), Remedial Action Reports (RAR), Environmental Assessments and Impact Statements (EA/EIS) and wetland reports and has been qualified as an expert by:

- The New Jersey Tax Court on wetlands delineation and developability of property.
- The New Jersey Superior Court, including the Chancery Division, on septic system design, hydraulics, hydrology, slope stability for detention basins and detention basin design, stormwater management facilities' design, quarry operation and regulation, water treatment and air stripping, general civil engineering, municipal engineering, project engineering, site engineering and planning, transportation engineering, environmental engineering, environmental permitting, structural engineering, and construction supervision.
- The New York Superior Court, Brooklyn, New York, on structural engineering.
- The Broward County, Florida, Circuit Court on highway design and general civil engineering.

Dr. Boswell has dealt extensively with the SEQRA process in New York State and the ISRA process in New Jersey.

Dr. Boswell's doctoral research proposes a novel method for removing volatile organic chemical contaminants and radon from groundwater. The research includes computer modeling of the contaminant removal, the liquid and gas phase pressure drops, and the economics of a full-scale system.

AWARDS:

Bergen County Society of Professional Engineers
1993 Engineer of the Year Award
American Council of Engineering Companies of New Jersey
1994 Member Recognition Award
New Jersey Society of Municipal Engineers
1995 Engineer of the Year Award
New Jersey Society of Professional Engineers
1995 Engineer of the Year Award
American Society of Civil Engineers North Jersey Branch
1995 Service to the People Award
American Council of Engineering Companies
1997 Community Service Award
American Council of Engineering Companies of New Jersey
2013 Lifetime Achievement Award
American Society of Civil Engineers New Jersey Section
2015 Excellence in Management Award

PUBLICATIONS:

Boswell, P.E., Stephen T. (1991), "Membrane Air Stripping Utilizing a Plate and Frame Configuration," Ph.D. Dissertation, Stevens Institute of Technology, Hoboken, New Jersey.

Boswell, Ph.D., P.E., Stephen T. and David A. Vaccari, Ph.D., P.E. (1994), "Plate and Frame Membrane Air Stripping," ASCE 21st Annual Conference Proceedings, Water Policy and Management: Solving the Problems.

STEPHEN T. BOSWELL, Ph.D., P.E., P.P., LSRP, SECB

Boswell, Ph.D., P.E., Stephen T., Patrick J. Carberry, P.E. and John M. Kourouglos (1995), "Removing Metals from an Industrial Wastewater Discharge By Ultrafiltration," Industrial Wastes Technical Conference - Multimedia Pollution Control and Prevention: Prepared for the Water Environment Federation.

Ganas, P.E., Michael J. and Stephen T. Boswell, Ph.D., P.E. (1994), "Bridge Diving Inspections and the Competitive Bid System: Problems and Pitfalls," Water Operation and Maintenance: Prepared for the United States Department of the Interior, Bureau of Reclamation, Bulletin No. 168.

Pazwash, Ph.D., P.E., Hormoz and Stephen T. Boswell, Ph.D., P.E. (1995), "Water Quality Measures In Urban Stormwater Management," Prepared for ASCE's 1st International Conference on Water Resources Engineering.

Pazwash, Ph.D., P.E., Hormoz and Stephen T. Boswell, Ph.D., P.E. (1997), "Management of Roof Runoff, Conservation and Reuse," Prepared for Water Resources Planning and Management Division, ASCE's 24th Annual Conference.

Pazwash, Ph.D., P.E., Hormoz and Stephen T. Boswell, Ph.D., P.E. (1999), "Conservation of Water; Reuse of Roof Runoff," Prepared for the ASCE's 1999 International Water Resources Engineering Conference.

Boswell, Ph.D., P.E., Stephen T. (2003), "Underwater Bridge Inspections - The Latest Technologies," Prepared for IBTTA's 2003 Maintenance Committee Fall Conference and International Crossings Committee Meeting Proceedings.

Pazwash, Ph.D., P.E., Hormoz and Stephen T. Boswell, Ph.D., P.E. (2003), "Proper Design of Inlets and Drains for Roadways and Urban Developments," Prepared for the ASCE, EWRI, World Water & Environmental Resources Congress 2003.

Boswell, Ph.D., P.E., Stephen T. (2012), "Conversion of the North Bergen Central Wastewater Treatment Plant to a Pumping Station and Force Main to Jersey City," Prepared for the New Jersey Water Environment Federation 2012 Annual Conference.

AFFILIATIONS:

American Council of Engineering Companies - Fellow

American Society of Civil Engineers - Fellow

American Water Works Association

Stevens Institute of Technology – Trustee, Center for Environmental Engineering, Vice Chairman of the Board

American Council of Engineering Companies of New Jersey - Past President & Director

New Jersey Alliance for Action - Member, Board of Directors

New Jersey Society of Municipal Engineers - Past President, V.P., Secretary & Treasurer

New Jersey Licensed Site Remediation Professionals Association

New Jersey Water Environment Association

North Jersey Water Conference

Water Environment Federation

Jeffrey L. Morris, P.E., P.L.S., P.P.
Quality Assurance/Quality Control

YEARS OF EXPERIENCE: 37 Years

EDUCATION:

B.S. Civil Engineering, Lehigh University

REGISTRATION:

Professional Engineer - New Jersey

Professional Land Surveyor - New Jersey

Professional Planner - New Jersey

Certified Municipal Engineer - New Jersey

EXPERIENCE:

Mr. Morris has over 37 years of experience in civil and municipal engineering, land development and planning and construction oversight. He presently heads the firm's Land Development Division and is actively involved with all the aspects of site design and civil engineering involving residential, commercial, office complexes, institutional and educational facility projects. He has been accepted as an expert in the fields of engineering, land surveying and planning by Land Use Boards across the state as well as New Jersey Superior Court and Federal Tax Court. In addition, he is involved with all phases of municipal engineering. Mr. Morris has contributed his many talents to the design and construction of numerous public works projects, including roadways, drainage facilities, sanitary sewer systems, water distribution systems and recreation facilities.

A sampling of Mr. Morris' experience includes:

- ***NJ Transit \$400 Million Southern New Jersey Light Rail Transit System between Trenton and Camden, NJ.*** Mr. Morris' responsibilities included the park 'n ride site plan design. He was further responsible for survey activities, preparation of all parcel maps for property acquisition, oversight of environmental permit compliance and public relations.
- ***Northern Highlands Regional High School, Allendale, NJ.*** This project included site engineering associated with the construction of the science, cafeteria and locker room building additions. The project includes the expansion and construction of the east and wide sides parking area and driveways. He also designed the reconstruction of the existing football/soccer field within the campus.
- ***Pascack Valley Board of Education, Pascack Hills High School, Montvale, NJ.*** This project consists of the construction of approximately 16,000 square feet of building addition in the back of the existing gym of the Pascack Valley High School and a 44-stall parking lot in front of the existing school building along Grand Avenue West. The project included a site plan, boundary and topographic survey, drainage system, retaining walls and off-site road and intersection improvements. Additionally, he designed and reconstructed the athletic field and track, including new artificial turf.
- ***Fairleigh Dickinson University, New Resident Hall and Pedestrian Bridge, Teaneck/Hackensack Campus, Hackensack, NJ.*** Site engineering for a new residence hall on the Hackensack portion of its Teaneck/Hackensack Campus. This project consists of a 320-bed structure approximately 77,000 sq. ft. with a 28,000 to 30,000 sq. ft. footprint. The project included the reconfiguration of the remaining parking and utilities in the building's vicinity and the relocation of the Kotte Place cul-de-sac. This project further included the design of a 420-foot long pedestrian bridge over the Hackensack River.
- ***Stevens Institute of Technology, Castle Point Parking Facility, Hoboken, NJ.*** This project consists of an approximately four level, 725 parking space garage. This

JEFFREY L. MORRIS, P.E., P.L.S., P.P.

project included a site plan, boundary and topographic survey, road realignment, traffic study and mechanical and electrical design for the parking facility.

- ***Closter Downtown Renaissance, Closter, NJ.*** Design of the reconstruction of the downtown area including sidewalks, curbs, lighting, traffic flow, parking and drainage funded by ISTEA Grant through the New Jersey Department of Transportation (NJDOT).
- ***Wyckoff Community Park, Wyckoff, NJ.*** Design, preparation of contract documents, permit acquisition and construction supervision for an athletic facility which includes four (4) baseball fields, a soccer field, picnic area, refreshment stand and associated parking.
- ***Cambridge Heights, Nutley, NJ.*** Design and permit acquisition for a 603-unit planned residential development including the design of roadways, stormwater management systems, sanitary sewer collection and pumping facilities, landscaping and grading.
- ***Mediplex, Oradell, NJ.*** Design, permit acquisition and construction coordination for a 150-bed assisted care facility which included the design of a sanitary metering facility and utility crossing under New Jersey Transit rail facilities.
- ***Bergen County Administration Building, Hackensack, NJ.*** This project consists of the development of a new 5-story County office building (approximately 263,500 SF) and a new 5-story parking structure (approximately 410,000 SF). The work involved site design, permit acquisition and construction coordination of this 6-acre site.
- ***Wyckoff Family YMCA, Wyckoff, NJ.*** This project includes the design and construction administration of a 42,000-square-foot recreation and day-care facility and a 52,000-square-foot addition to the building. The final facility will contain a full size gymnasium and assembly room, two (2) regulation swimming pools as well as exercise rooms, day care and outdoor recreation and swimming areas.
- ***Colonial Road School, Franklin Lakes, NJ.*** This project included the design permit acquisition and construction supervision for a 40,000-square-foot addition to an elementary school. The design included an on-site sewage disposal system, recreation fields, grading and parking areas.
- ***Hackensack University Medical Center, Hackensack, NJ.*** Design of the 190,000-square-foot woman and children's pavilion including three (3) stories of parking, stormwater management, sanitary sewer, water and traffic designs.
- ***Clifton Stadium, Clifton, NJ.*** Design of the reconstruction of the Clifton High School Athletic Stadium including new lights, eight lane track, artificial turf field, retaining walls and event areas.
- ***Foley Field, Bloomfield, NJ.*** Design of a new athletic facility including the demolition of the entire existing stadium and the construction of a new artificial turf field, eight lane track, retaining walls, lights, scoreboard and pedestrian areas.

AFFILIATIONS:

New Jersey Society of Professional Engineers
New Jersey Society of Municipal Engineers
Bergen County Society of Professional Engineers (Past President)
New Jersey Society of Professional Land Surveyors
National Society of Professional Land Surveyors

YEARS OF EXPERIENCE: 35 Years

EDUCATION:

New Jersey Institute of Technology

REGISTRATION:

Professional Land Surveyor - New Jersey 1992

EXPERIENCE:

Mr. Krupinski has provided surveying services for both the public and private sector and has been involved in every aspect of the firm's survey projects. He has performed and/or directed control, topographic, hydrographic, structural, cadastral, route, construction and railway surveys for federal, state, county and municipal agencies, as well as transportation authorities, utilizing state-of-the-art Global Navigation Satellite System (GNSS) equipment, including Real-Time Kinematic (RTK), total stations and data collectors. Mr. Krupinski is highly experienced in the discipline of boundary surveying, which includes record research, deed analysis and the establishment of property and right of way lines, as well as the preparation of complete right of way documents for various state departments of transportation. He has performed and/or directed numerous boundary surveys ranging from less than 5,000 square feet to 255 acres. He is also proficient in the use of CADD engineering/surveying software and is directly responsible for the processing of field data and the preparation of mapping.

His project experience includes:

- ***Boundary Surveys For Land Acquisitions, Ocean, N.J.*** Performed record research, boundary analysis, mapping and preparation of deliverables for 10 properties being acquired by the State of New Jersey, Department of Treasury, Division of Property Management and Construction for this **Blue Acres** project.
- ***Sourland Mountain Natural Area, West Amwell, N.J.*** Performed record research, boundary analysis, mapping and preparation of deliverables for the partial **Green Acres** acquisition of this 56 acre property.
- ***Franklin Lakes Open Space Acquisition, Franklin Lakes, N.J.*** Performed record research, boundary analysis, mapping and preparation of deliverables for the **Green Acres** acquisition of this 12-acre property by the Borough of Franklin Lakes.
- ***Open Space Plan Acquisitions (Victoria Square), Wayne, N.J.*** Performed record research, boundary analysis, mapping and preparation of deliverables for the **Green Acres** acquisition of this 6.2-acre property by the County of Passaic.
- ***Bergen County Department of Planning and Economic Development, Camp Tamarack, Oakland, N.J.*** Performed record research and boundary analysis for this 181-acre tract. Prepared a Perimeter Survey and a later Boundary Survey for **Green Acres** acquisition.

FRANK M. KRUPINSKI, P.L.S.

- ***NJ Department of Human Services/NJ Division of Property Management & Construction, Greystone Park Psychiatric Hospital, Morris County, N.J.*** Prepared boundary surveys and metes & bounds descriptions for three parcels totaling 199 acres to be conveyed to the County of Morris.
- ***FirstEnergy, Oceanview 230kV Reinforcement Project, Monmouth County, N.J.*** Provided all stakeout information and supervised all stakeout work for proposed monopoles and vegetation clearing limits; performed record research and boundary analysis, prepared legal description for easement acquisition; downloaded, processed and checked all survey data.
- ***Bear Swamp Road Bridge Replacement, Mahwah, N.J.*** Performed record research and boundary analysis; prepared parcel mapping and exhibits for the State Agricultural Development Committee showing areas to be released from the Agricultural Easement.
- ***Flood Damaged Property Acquisitions, Westwood, N.J.*** Performed record research, boundary analysis, mapping and preparation of deliverables for the 6 properties being acquired by the Borough for this **Blue Acres** project.
- ***Little Falls Blue Acres Acquisitions, Little Falls, N.J.*** Performed record research, boundary analysis, mapping and preparation of deliverables for the 6 properties being acquired by the Township for this **Blue Acres** project.
- ***Surveys for CDBG Disaster Recovery Property Acquisitions, Hawthorne, N.J.*** Performed record research, boundary analysis, mapping and preparation of deliverables for the 3 properties being acquired by the Borough for this **Blue Acres** project.
- ***Hackensack University Medical Center, Pascack Valley Hospital, Westwood, N.J.*** Prepared an ALTA/ACSM Land Title Survey for this 22-acre property. Was responsible for record research, boundary analysis, preparation of metes & bounds and CAD drafting.
- ***East Orange Water Commission, Millburn, N.J.*** Performed record research and boundary analysis for this ancient property which consisted of over 255 acres. A closed survey baseline loop of three and three quarters (3.75) miles was run and wetlands flagging was located throughout this heavily wooded and mainly undeveloped property. Record deeds for the property dated back to the early 1900s and the latest road mapping for a portion of the property dated back to 1916.
- ***Bergen County Health Care Center, Rockleigh, N.J.*** Responsible for the determination of the boundary on this 50' acre tract. Since the deed of record did not close by 50', it was imperative that all available mapping and adjoining property deeds be thoroughly researched. More than 20 maps were assembled from the County Clerk's Office, County Engineer's Office, the Borough of Rockleigh and other surveyors to aide in the resolution and establishment of the boundary.
- ***Old Stone Church Road Bridge Replacement, Upper Saddle River, N.J.*** Supervised the field survey and performed the necessary record research and boundary analysis, met with the County, and prepared the easement maps and legal descriptions for the property acquisition required this bridge replacement project in just six (6) working days from authorization to proceed. Just as construction was set to begin, it was realized that the permanent and temporary easements were never acquired, and this project was made a priority so that the construction schedule would not be interrupted.

FRANK M. KRUPINSKI, P.L.S.

- ***Passaic Valley Sewerage Commission, Newark Bay Treatment Plant, Newark, N.J.*** Performed record research, boundary analysis for the determination of the boundary for the four (4) tracts, containing 142 acres total, that comprise this complex, as well as CAD drafting.
- ***Passaic Valley Sewerage Commission, Wallington Pump Station, Wallington, N.J.*** Performed record research and analysis for the determination of the boundary for this small yet surprisingly complex property.
- ***Passaic Valley Sewerage Commission, Passaic Pump Station, Passaic, N.J.*** Performed record research and analysis for the determination of the boundary and calculated mean high water elevation for this small, ancient and complex property.
- ***Molly Ann's Brook Flood Control Project, Passaic County, N.J.*** As chief of survey for the rehabilitation and/or replacement of six bridges, responsibilities included locating property corners and performed topographic surveys utilizing existing aerial control and established existing right-of-way, as well as base mapping for each bridge, preparation of complete right-of-way documents, consisting of general property parcel maps, entire tract maps, cut-outs and agreements.
- ***Newark Liberty International Airport, Utility Management System, Newark, N.J.*** Responsible for downloading, processing and drafting underground utility locations (both as-built and mark-out), as well as other pre-construction and post construction topographic surveys for this multi-year on-call contract.

Alan Bentejac
Party Chief

YEARS OF EXPERIENCE: 43 Years

EDUCATION:

Global Navigation Satellite System (GNSS) Training
OSHA – 10-Hour Construction Course
Confined Space Entry Training
OSHA 40-Hour Hazardous Waste Site Operations

EXPERIENCE:

Mr. Bentejac has over 43-years of survey experience, all with Boswell Engineering. A veritable specialist, Mr. Bentejac's surveys encompass virtually every type of project from property, highway and topographic work to reconnaissance, construction stakeouts and as-built surveys. In addition to his surveying expertise, Mr. Bentejac has proven his abilities in a supervisory capacity many times over through the years he has been with Boswell. He has been in charge of the scheduling, equipping and time management of field parties; obtaining all information pertinent to survey projects; maintaining field and office supplies; job pricing; and general instruction. Mr. Bentejac has been trained in Global Navigation Satellite System (GNSS) surveying, including Real-Time Kinematic (RTK) survey, and is capable of utilizing all types of electronic field and computer assisted surveying instruments and equipment.

- ***Boundary Surveys For Land Acquisition, Ocean, N.J.*** Performed boundary field survey and stakeout for the 10 properties being acquired by the **Division of Property Management & Construction** for this **Blue Acres** project.
- ***Franklin Lakes Open Space Acquisition, Franklin Lakes, N.J.*** Performed boundary field survey and stakeout for this 12-acre **Green Acres** acquisition by the Borough.
- ***Flood Damaged Property Acquisitions, Westwood, N.J.*** Performed boundary field survey and stakeout for the 6 properties being acquired by the Borough for this **Blues Acres** project.
- ***Little Falls Blue Acres Acquisitions, Little Falls, N.J.*** Performed boundary field survey and stakeout for the 5 properties being acquired by the Township for this **Blues Acres** project.
- ***Surveys for CDBG Disaster Recovery Property Acquisitions, Hawthorne, N.J.*** Performed boundary field survey and stakeout for the 3 properties being acquired by the Borough for this **Blues Acres** project.
- ***Sourland Mountain Natural Area, West Amwell, N.J.*** Performed boundary field survey and stakeout for this 56 acre partial **Green Acres** acquisition.
- ***Hydrographic Survey and Support On-Call for NJDOT, Office of Maritime Resources.*** Performed topographic survey for the Maintenance Dredging and Channel Improvements for Barnegat Light Stake & Double Creek Inlet project. Obtained cross sections at Cape May Confined Disposal Facility #1. Performed partial topographic survey of Gull Island in Point Pleasant Beach.
- ***Oceanview 230 kV Transmission Line Reinforcement Project (FirstEnergy/JCP&L).*** Performed stakeout of proposed pole locations and limits of transmission line right of way for vegetation clearance/maintenance for this 16 mile long project.

Eric A. Entwistle
Survey Analyst

YEARS OF EXPERIENCE: 25 Years

EDUCATION:

New Jersey Institute of Technology
Plaza School of Technology

EXPERIENCE:

Mr. Entwistle is a graduate of the Plaza School of Technology and has studied at the New Jersey Institute of Technology. Eric has over 25-years experience in the surveying and engineering field. Beginning his career as an instrument operator, he has advanced to party chief and now has moved into the office as a Survey Analyst. As a survey technician he has performed many boundary & topographic surveys ranging from small residential areas to large commercial properties. Other areas of work included construction layout and management for the New Jersey Turnpike Authority and landfill development for the New York City Department of Public Works. He has extensive experience with ALTA/NSPS surveys, cellular tower sites, urban and rural boundary surveys, municipal reconstruction projects, tax map preparation and commercial/residential construction sites. A representative list of project types includes.

His project experience includes:

- Boundary & Topographic Survey for Hoboken City Hall.
- Boundary Survey & Utility Easement Mapping for Hoboken Fire House, 1313 Washington Street.
- Boundary & Topographic Survey for Elysian Park, City of Hoboken.
- ALTA/ACSM Survey for warehouse/office complex located in the Borough of Carlstadt.
- Existing Conditions survey, monitoring and construction management for the New Jersey Turnpike Authority.
- Construction management & survey layout for a commercial building in New York City.
- 600-acre Boundary & Topographic Survey for the Bergen County Planning department's improvements to State Highway Rt. 17.
- Construction management for US Army Corps of Engineers.
- 1,000-acre Boundary & Topographic Survey in Highpoint, New Jersey.
- A five (5) mile Boundary and Topographic Survey for proposed easement acquisitions for the Overpeck Valley Relief Sewer for the Bergen County Utilities Authority.
- 700-acre Boundary & Topographic Survey for the Bergen County Utilities Authority.
- 263-acre Boundary and Topographic Survey for the Bergen County Utilities Authority in Little Ferry, New Jersey.



Section D: Key Team Members Project Experience Data Sheets

Key Team Members Project Experience Data Sheets follow in this Section.

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME FRANK M. KRUPINSKI, P.L.S.

TITLE DIRECTOR OF SURVEYING

FIRM BOSWELL ENGINEERING

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Boundary Survey For Land Acquisition (10 Properties), Township of Ocean \$24,287 (Fee)	Boswell Engineering	Research, Boundary Analysis, Prep. of Legal Descriptions & Surveyor's Summary Per Green Acres Req.	Project Manager/Survey Analyst/CADD Person	2	38%	9/2016 - 10/2016	DPMC, Green Acres. NJDEP
Sourland Mountain Natural Area (Partial Acquisition), Township of West Amwell \$27,100 (Fee)	Boswell Engineering	Research, Boundary Analysis, Prep. of Legal Descriptions & Surveyor's Summary Per Green Acres Req.	Project Manager/Survey Analyst/CADD Person	9	32%	11/2013 - 7/2014	FirstEnergy (J.C.P. & L.), NJDEP Green Acres,
Little Falls Blue Acres Acquisition (6 Properties), Township of Little Falls \$16,400 (Fee)	Boswell Engineering	Research, Boundary Analysis, Prep. of Legal Descriptions & Surveyor's Summary Per Blue Acres Req.	Project Manager/Survey Analyst/CADD Person	4	50%	10/2015 - 12/2015; 9/2016	Township of Little Falls.
CDBG Disaster Recovery Surveys (3 Properties), Borough of Hawthorne \$6,095 (Fee)	Boswell Engineering	Research, Boundary Analysis, Prep. of Legal Descriptions & Surveyor's Summary Per Blue Acres Req.	Project Manager/Survey Analyst/CADD Person	2	45%	1/2015 - 2/2015	Borough of Hawthorne.
Flood Damaged Properties Acquisition (6 Properties), Borough of Westwood \$14,025 (Fee)	Boswell Engineering	Research, Boundary Analysis, Prep. of Legal Descriptions & Surveyor's Summary Per Blue Acres Req.	Project Manager/Survey Analyst/CADD Person	6	38%	10/2012 - 12/2012; 3/2013; 5/2014; 4/2016	Borough of Westwood, Former Admin.
Franklin Lakes Open Space Acquisition, Borough of Franklin Lakes \$17,900 (Fee)	Boswell Engineering	Research, Boundary Analysis, Prep. of Legal Descriptions & Surveyor's Summary Per Green Acres Req.	Project Manager/Survey Analyst/CADD Person	2	23%	8/2017 - 9/2017	Borough of Franklin Lakes.
Brook's Farm Plan Acquisition (4 Properties), Borough of Closter \$24,470 (Fee)	Boswell Engineering	Research, Boundary Analysis, Prep. of Legal Descriptions & Surveyor's Summary Per Green Acres Req.	Project Manager/Survey Analyst/CADD Person	10	40%	1/2006 - 5/2006; 10/2006 - 12/2006; 3/2011 - 4/2011	Borough of Closter.

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME ALAN BENTEJAC

TITLE SURVEY CREW CHIEF

FIRM BOSWELL ENGINEERING

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Boundary Survey For Land Acquisition (10 Properties), Township of Ocean \$24,287 (Fee)	Boswell Engineering	Boundary Survey; Set Monuments	Survey Crew Chief	2	29%	9/2016 - 10/2016	DPMC, Walter Fernandez NJDEP Green Acres, [REDACTED]
Sourland Mountain Natural Area (Partial Acquisition), Township of West Amwell \$27,100 (Fee)	Boswell Engineering	Boundary Survey; Set Monuments	Survey Crew Chief	9	34%	11/2013 - 7/2014	FirstEnergy (L.C.P. & L.) NJDEP Green Acres, [REDACTED]
Little Falls Blue Acres Acquisition (6 Properties), Township of Little Falls \$16,400 (Fee)	Boswell Engineering	Boundary Survey; Set Monuments	Survey Crew Chief	4	25%	10/2015 - 12/2015; 9/2016	Township of Little Falls, [REDACTED]
CDBG Disaster Recovery Surveys (3 Properties), Borough of Hawthorne \$6,095 (Fee)	Boswell Engineering	Boundary Survey; Set Monuments	Survey Crew Chief	2	27%	1/2015 - 2/2015	Borough of Hawthorne, [REDACTED]
Flood Damaged Properties Acquisition (6 Properties), Borough of Westwood \$14,025 (Fee)	Boswell Engineering	Boundary Survey; Set Monuments	Survey Crew Chief	6	24%	10/2012 - 12/2012; 3/2013; 5/2014; 4/2016	Borough of Westwood, [REDACTED] Former Admin. [REDACTED]
Franklin Lakes Open Space Acquisition, Borough of Franklin Lakes \$17,900 (Fee)	Boswell Engineering	Boundary Survey; Topographic Survey; Set Monuments	Survey Crew Chief	2	36%	8/2017 - 9/2017	Borough of Franklin Lakes, [REDACTED]
Brook's Farm Plan Acquisition (4 Properties), Borough of Closter \$24,470 (Fee)	Boswell Engineering	Boundary Survey; Topographic Survey; Set Monuments	Survey Crew Chief	10	36%	1/2006 - 5/2006; 10/2006 - 12/2006; 3/2011 - 4/2011	Borough of Closter, Richard [REDACTED]

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME ERIC ENTWISTLE

TITLE SURVEY ANALYST

FIRM BOSWELL ENGINEERING

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Boundary Survey of P.V.S.C. Mill Street Pump Station, City of Newark \$7,250 (Fee)	Boswell Engineering	Boundary & Topographic Survey	Survey Analyst/CADD Person	4	40%	1/2015 - 4/2015	Passaic Valley Sewerage Commission, [REDACTED]
Boundary Survey of P.V.S.C. Wallington Pump Station, Borough of Wallington \$8,600 (Fee)	Boswell Engineering	Boundary & Topographic Survey	Survey Analyst/CADD Person	4	40%	1/2015 - 4/2015	Passaic Valley Sewerage Commission, [REDACTED]
Topo. Survey & L.O.D. Stakeout, White Oak Ridge Pumping Sta., Township of Millburn \$31,150 (Fee)	Boswell Engineering	Topographic Survey, Preparation of Stakeout	Survey Analyst/CADD Person	4	40%	9/2013 - 11/2013; 7/2014	Hazen & Sawyer, [REDACTED]
Boundary & Topographic Survey of Elysian Park, City of Hoboken \$9,650 (Fee)	Boswell Engineering	Boundary & Topographic Survey	Survey Analyst/CADD Person	1	40%	1/2013	City of Hoboken, [REDACTED]
ALTA/ACSM Land Title Survey Lot 6.01, Block 6201 & Lot 2.01, Block 7401, Piscataway \$19,250 (Fee)	Boswell Engineering	Boundary & Topographic Survey	Survey Analyst/CADD Person	1	40%	3/2014	Ericsson [REDACTED]
ALTA/ACSM Land Title Survey Lots 6, 7, 8, 9 & 10, Block 96, Borough of Maywood \$16,300 (Fee)	Boswell Engineering	Boundary & Topographic Survey	Survey Analyst/CADD Person	2	40%	11/2013 - 12/2013	DLC Management Corp., [REDACTED]
Boundary & Topographic Survey, Lot 3, Block 308.01, City of Hackensack \$12,775 (Fee)	Boswell Engineering	Boundary & Topographic Survey, Tidelands Grant	Survey Analyst/CADD Person	2	40%	8/2013; 10/2014	City of Hackensack., [REDACTED]



Section E: Project Key Personnel List

Project Key Personnel List follows in this Section.

FIRM NAME	KEY PERSONNEL & TITLE	PERCENTAGE OF TIME ASSIGNED TO PROJECT	
		SURVEY SERVICES	HOURLY WAGE LEVEL 1-7
BOSWELL ENGINEERING	FRANK M. KRUPINSKI, P.L.S., DIRECTOR OF SURVEYING	20%	6
BOSWELL ENGINEERING	ERIC ENTWISTLE, SURVEY ANALYST	11%	4
BOSWELL ENGINEERING	ALAN BENTEJAC, SURVEY CREW CHIEF	28%	3
BOSWELL ENGINEERING	GEORGE MESSIER, DRAFTSPERSON	13%	2
BOSWELL ENGINEERING	DANIEL MOTOLA, SURVEY INSTRUMENT PERSON	28%	1

INSERT THE WAGE LEVEL FROM 1 TO 7 OF EACH KEY PERSON. **DO NOT** INSERT ANY HOURLY RATE



Section F: Project Approach

Boswell, upon notice to proceed, will immediately begin work by performing record research and preparing the owner notification of entry letters. The County of Monmouth's Open Public Records Search System will be used to acquire deeds for properties that adjoin the subject lots. Adjoining deeds are important in that they aid to identify and perhaps resolve or clarify potential boundary conflicts and they may also provide additional useful information in the form of corner calls and/or filed map and survey references. **Boswell** will employ a searcher to acquire any deeds unavailable through the online search system. After a review of the deeds, we will acquire any filed maps referenced therein from the County online search system, and will attempt to obtain copies of any surveys that also may be referenced in said deeds. **Boswell** will also request the Tidelands Conveyance Maps from the New Jersey Department of Environmental Protection (NJDEP), Bureau of Tidelands, and obtain copies of any pertinent grants referenced thereon. Following a review of all records, including the title reports to be provided, any calls for property corners contained within this information will be supplied to our survey field crew for their boundary survey portion of the field work. All the above work will be performed prior to and during the establishment of our survey baselines for the project. It should be noted that the Project Composite Location Plan required for this project will be compiled and drafted during this stage.

Boswell's field personnel will establish a closed loop survey baseline for the project. The closed loop will be adjusted in the office by the Least Squares Method. Utilizing our Global Navigation Satellite System (GNSS)/Real-Time Kinematic (RTK) survey equipment, **Boswell** will perform observations on a minimum of four (4) points on the loop. The resultant NAD1983 coordinates will be obtained/computed via Leica Geosystems' SmartNet North America network.

The observations of our GNSS/RTK points will be performed on two different days to utilize different satellite geometry in order to validate the accuracy of our results. As part of the GNSS/RTK survey, checks will also be made to published National Geodetic Survey (NGS) control points near the project to further verify our resultant GNSS/RTK values. As specified in **Chapter 2 of the NJDOT Survey Manual**, an average combined scale factor (or Project Adjustment Factor) of the resultant GNSS/RTK points will be computed for the project and this scale factor will be applied to the GNSS/RTK points thereby obtaining New Jersey State Plane Ground Coordinates. After an analysis has been performed, each of the closed and adjusted survey loops will be rotated into the Ground Coordinate system. Ground coordinates allow for easier boundary analysis since field distances will agree with all information contained in recorded documents (filed maps, deeds, etc).

With the information and data provided by them, our survey office, **Boswell's** survey team, will then perform the boundary surveying task of the project. This will be accomplished by searching for and locating all boundary markers, fences, walls, and any other items which may indicate lines of possession. Once completed, this information will be downloaded and processed and a boundary analysis performed. At this point, if any encroachments are identified or boundary conflicts encountered, **Boswell** will immediately notify the Team Members of the **DPMC** and **NJDEP, Green Acres** so that a reasonable solution to the situation can be arrived at.



State of New Jersey

Department of the Treasury [DPMC]

DPMC Project No. P1188-00
Boundary Survey for Land Acquisition
Borough of Keansburg, New Jersey

While the boundary analysis is being performed, **Boswell's** survey team will continue the surveying of the individual lots by completing the perimeter surveys, adequately locating and noting the improvements well within the boundaries of the premises, taking photographs of the presently vacant lots, locating any improvements near the property lines on all adjoining properties not being acquired in this scope of work and by locating the banks and/or walls of Waackaack Creek, where necessary. Surveying of the Creek banks will be performed during a period of low tide.

During the preliminary research conducted for the preparation of this proposal, it was discovered that the deeds for six of the seven lots call to the center of Waackaack Creek. To best determine the physical centerline, **Boswell** will also survey the banks on the Hazlet side of the Creek. The remaining property's deed calls to the mean high-water line of the Creek. The mean high-water line (tidelands claim line) will be based solely upon the NJDEP GIS digital data, but will be compared to the existing tidelands mapping for confirmation. The digital data will also aid in determining the area subject to riparian claim of the State of New Jersey on the properties calling to the center of the Creek.

All survey work will be performed in accordance with the **NJDEP, Green Acres Program Scope of Survey Services and Standard Detail Requirements**, dated July 1, 2013.

The survey location files will be downloaded and processed and the final individual Lot surveys will be prepared at this time. All mapping, legal descriptions, and other required deliverables will be prepared as outlined in the **NJDEP, Green Acres Program Scope of Survey Services and Standard Detail Requirements**, dated July 1, 2013, the **Green Acres Policy and Procedures Addendum to Scope of Survey Services**, dated July, 2013 and revised December 1, 2015, and/or as specifically outlined in the **Project Specific Survey Requirements** contained in the **Scope of Work for Project No. P1188-00**.

The concrete corner markers and other permanent markers will be set after all demolition work is completed at the locations to be determined by the DPMC and/or Green Acres Project manager. The Project Composite Location Plan will be finalized once all monumentation has been set.



State of New Jersey

Department of the Treasury



DPMC Project No. P1188-00

Boundary Survey for Land Acquisition

Borough of Keansburg, New Jersey

Section G: Project Schedule

Assuming all title reports have been received from the State, **Boswell** will commence with the project immediately after the kick-off meeting. Multiple tasks (entry notification letter preparation, record research, map and deed plotting) can be performed simultaneously during the early stages which will allow us to meet the project deadline of 30 working days. **Boswell** will submit a preliminary review submission within eight (8) working days from the kick-off meeting. We have demonstrated this ability most recently during the **Little Falls Blue Acres Acquisition** project where we were provided only seven (7) working days to survey, send for review, revise and finalize one property to meet a closing date.

All property owner and adjoining owner notifications will be hand delivered on the first day our field crew is on site to make the residents aware of our activities. Since the survey baseline work, GNSS/RTK surveying and some boundary surveying do not require entry onto private property, the hand delivering will still allow 2 or 3 days for the residents to read the notices and, should they have any questions or concerns, contact **Boswell's** Project Manager for more information.

The field survey portion of the project, excepting the monumentation portion, will be performed continuously to completion, which benefits both the client and consultant. Repeated stopping and restarting on projects inhibits continuity and ultimately bogs down the office work.

We estimate drafting two (2) surveys each day at a minimum. While the individual lot surveys are being drafted, **Boswell's** Project Manager will be preparing the legal descriptions, Surveyor's Certification and Summary Forms and Parcel Closure Reports and reviewing title reports. In addition, **Boswell** has the benefit of a Project Manager and a Survey Analyst both of whom are capable of drafting, should the need arise.

The bar chart on the following page reflects our schedule which also affords the opportunity for an additional complete submission for review and comment and allows for up to six (6) days of inclement weather during the field surveying portion of the project.

Borough of Keansburg, Monmouth County, New Jersey

[illegible]



Section H: Certificate of Employee Information Report

Certificate of Employee Information Report follows in this Section.

AMERICANS WITH DISABILITIES ACT

State Contract Language

Equal Opportunity for Individuals with Disabilities

The CONTRACTORS and the STATE do hereby agree that the provision of Title II of the Americans With Disabilities Act of 1990 (the "Act") (42 U.S.C. §12101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the STATE pursuant to this contract, the CONTRACTOR agrees that the performance shall be in strict compliance with the Act. In the event that the CONTRACTOR, its agents, servants, employees or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the CONTRACTOR shall defend the STATE in any action or administrative proceeding commenced pursuant to this Act. The CONTRACTOR shall indemnify, protect, and save harmless the STATE, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The CONTRACTOR shall, at its own expense, appear, defend and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the STATE's grievance procedure, the CONTRACTOR agrees to abide by any decision of the STATE which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the STATE, or if the STATE incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the CONTRACTOR shall satisfy and discharge the same at its own expense.

The STATE shall, as soon as practicable after a claim has been made against it, give written notice thereof to the CONTRACTOR along with full and complete particulars of the claim. If any action or administrative proceeding is brought against the STATE or any of its agents, servants, and employees, the STATE shall expeditiously forward or have forwarded to the CONTRACTOR every demand, complaint, notice, summons, pleading, or other process received by the STATE of its representatives.

It is expressly agreed and understood that any approval by the STATE of the services provided by the CONTRACTOR pursuant to this contract will not relieve the CONTRACTOR of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the STATE pursuant to this paragraph.

It is further agreed and understood that the STATE assumes no obligation to indemnify or save harmless the CONTRACTOR, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the CONTRACTOR expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the CONTRACTOR's obligations assumed in this Agreement, nor shall they be construed to relieve the CONTRACTOR from any liability, nor preclude the STATE from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.



State of New Jersey

Department of the Treasury



DPMC Project No. P1188-00

Boundary Survey for Land Acquisition

Borough of Keansburg, New Jersey

Section I: Certification of Public Law 2005, Chapter 92

Certification of Public Law 2005, Chapter 92 follows in this Section.