



Churchill Consulting Engineers
 344 North Route 73, Suite A, Berlin, NJ 08009
 Phone 856 767 6901 Ext. 39 Fax 856 767 0272
 E-mail acoursen@churchillengineers.com

July 21, 2014

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

CENTRAL FILE	Project #	P1115-00
	Doc Index	200
	Contract #	DB-01
	Doc Date	7/21/14

Attention: Mr. Bill Mahan

Re: Boundary Survey for Land Acquisition – Various Parcels
 Proposal for Professional Land Surveying Services
 Woodbridge, Middlesex County, New Jersey
 DPMC Project No. P1115-00
 Due: July 22, 2014 @ 2:00 pm
 Our File No.: P14060

Dear Mr. Mahan:

Churchill Consulting Engineers is pleased to provide our proposal for Professional Land Surveying Services for the above referenced property. Churchill's Surveying Department boasts a well-experienced staff of field and office personnel. Churchill has the resources and expertise to provide topographic and outbound, control and route surveys for any size project. Our Survey Department includes three (3) professional land surveyors, licensed to perform surveying services in the State of New Jersey. Our Survey Department also includes four (4) well-experienced party chiefs and instrument technicians, all with many years of experience.

Churchill surveyors have participated in hundreds of projects including large outbound surveys, ALTA/ASCM property surveys, topographic surveys, horizontal and vertical control of large-scale photogrammetric surveys, route/right-of-way surveys, construction layouts, construction as-built surveys, and hydrographic surveys. Furthermore, our staff has extensive experience in surveying for the Farmlands Preservation and Green Acres programs and is familiar with the guidelines set forth by the State Agriculture Development Committee and NJDEP's Green Acres program.

Churchill has completed the following projects that are similar in size, scope, complexity and construction cost to DPMC Project No. P1115-00:

1. **Pinelands Hamilton Preserve Green Acres Survey (No. S-1764).** Churchill performed an outbound survey to Green Acres survey standards of a 32.8 acre site in Hamilton Township, Atlantic County.

2. **Sabella Green Acres Survey (No. S-1351).** Churchill performed an outbound survey to Green Acres survey standards of a 68.1 acre site in Buena Vista Township, Atlantic County.
3. **Scholler Bros. Green Acres Survey (No. S-1573).** Churchill performed an outbound to Green Acres survey standards of a 211 acre site in Hamilton Township, Atlantic County.
4. **Krumm Green Acres Survey and Minor Subdivision.** Churchill performed an outbound survey and minor subdivision to Green Acres survey standards of a 6.7 acre site in City of Linwood, Atlantic County.
5. **Hanover Solar ALTA Survey.** Churchill performed an outbound and topographic survey ALTA/ASCM survey standards of a 126.9 acre site in North Hanover Township, Burlington County.

Along with these projects listed, we have worked on creating and surveying small to large major subdivisions - from outbound surveys to plot plans to foundation plans to final surveys for many projects over the years.

If you have any questions or require any additional information, please let us know.

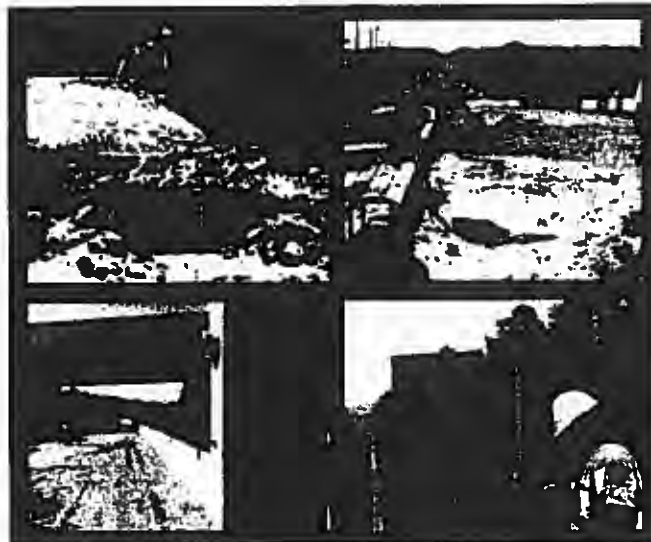
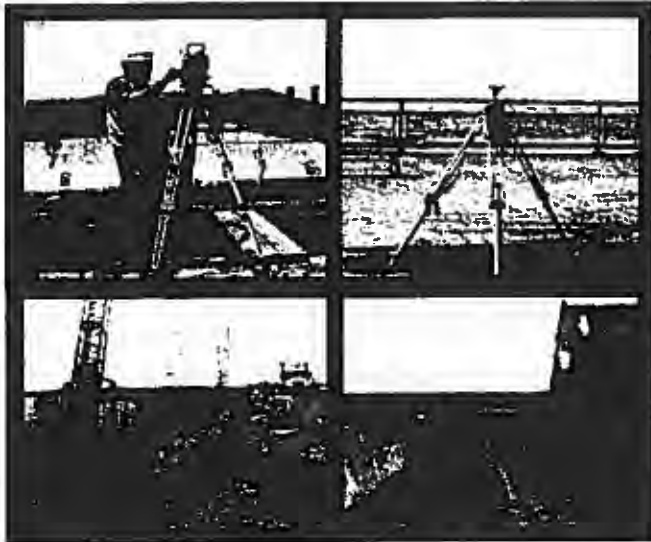
Very truly yours,

Churchill Consulting Engineers

A handwritten signature in black ink, appearing to read "Andrew E. Coursen". The signature is fluid and cursive, with a long horizontal stroke at the end.

Andrew E. Coursen, P.E., L.S.
Associate

AEC:fw
Enclosures



Proposal for

Request for Proposal No. P1115-00

Boundary Survey for Land Acquisition – Various Parcels Woodbridge, Middlesex County

Original

Submitted to



New Jersey
Department of the Treasury
Division of Property
Management & Construction
Contracts & Procurement Unit
33 West State Street, 9th Floor,
Plan Room
Trenton, New Jersey 08625

July 22, 2014
2:00 P.M.

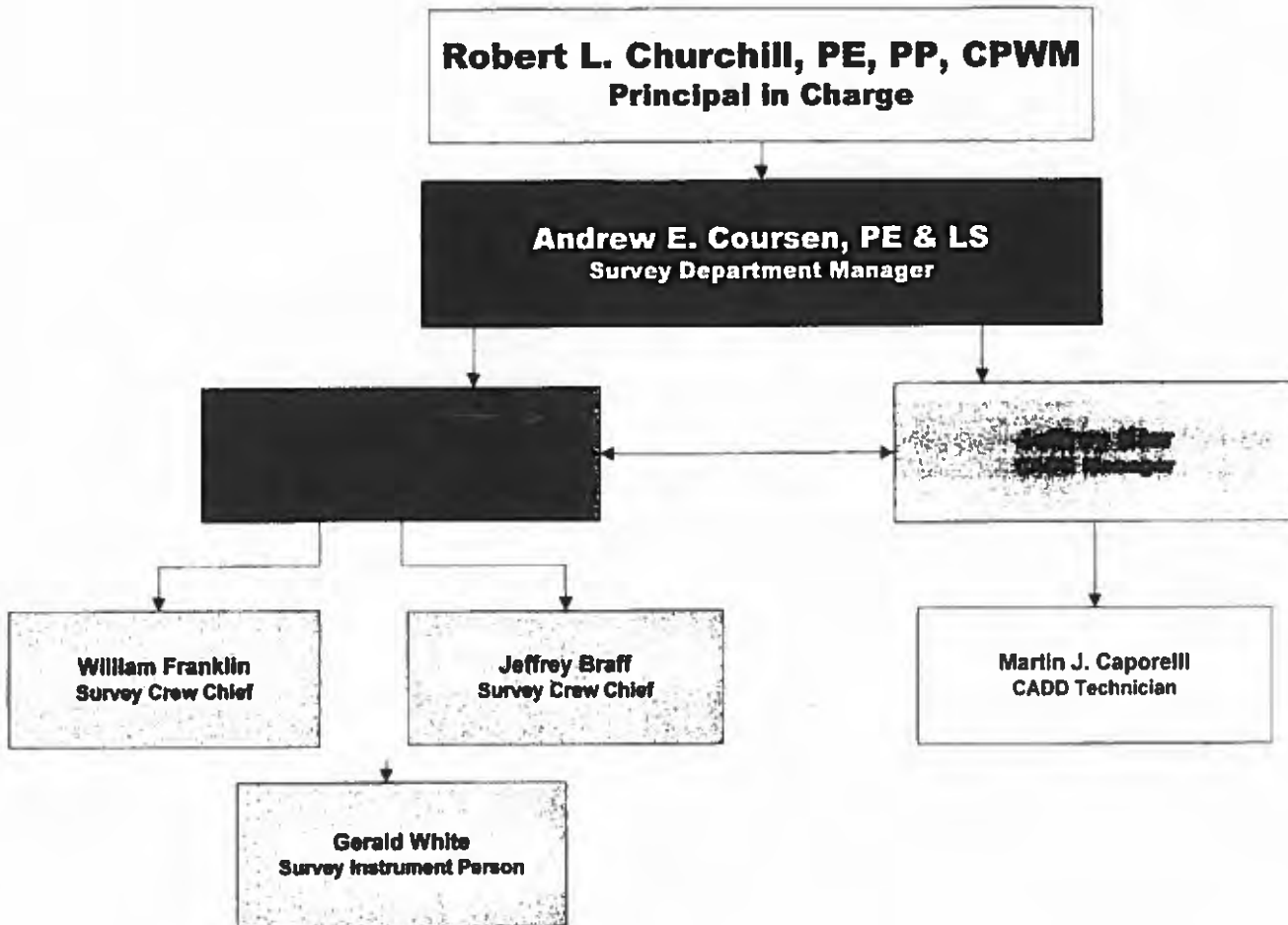


Churchill Consulting Engineers
344 North Route 73
Berlin, NJ 08009
(856) 767-6901

P14055

**Department of the Treasury
Division of Property Management &
Construction**

**P1115-00
Boundary Survey for Land Acquisition – Various Parcels
Woodbridge, Middlesex County, New Jersey**



Robert L. Churchill, P.E., P.P.
QA / QC Manager and Principal in Charge

Education

BS, Civil Engineering, University of Vermont, 1988

Professional Certifications

Professional Engineer in New Jersey
Professional Land Surveyor in New Jersey

Over 29 years of experience in civil engineering and land surveying, including 22 years as a professional surveyor and over 18 years as a professional engineer. He currently serves as manager of the Survey and CADD department with responsibility for procedures, reviewing the accuracy of survey data, managing the work and the production of the required deliverables. Experienced with Farmland Preservation, Green Acres Standards, and the Recordation Act (formerly Map Filing Law). Experience as an engineer includes the design of many complete major subdivisions including creating Final Plan of Lots.

Jacobstown Solar Survey; QA / QC Manager and Principal in Charge for the outbound and topographical survey of this 179.8 acre property in North Hanover Township, Burlington County, NJ. Responsible for overseeing the overall quality of work performed and final approval of the project.

Hanover Solar Survey; QA / QC Manager and Principal in Charge for the outbound and topographical survey of this 126.9 acre property in North Hanover Township, Burlington County, NJ. Responsible for overseeing the overall quality of work performed and final approval of the project.

Jino Ploppi Survey; QA / QC Manager and Principal in Charge for the outbound survey of this property consisting of 102.1 acres in Franklin Township, Gloucester County, NJ, for the preservation of this farm. Responsible for overseeing the overall quality of work performed and final approval of the project.

Herman Wagner; QA / QC Manager and Principal in Charge for the outbound survey of this 130.62 acre property survey, in Elk Township, Gloucester County, NJ, for the preservation of this property under the Gloucester County Farmland Preservation Program. Responsible for overseeing the overall quality of work performed and final approval of the project.

Myron Hurff Farm Survey; QA / QC Manager and Principal in Charge for the outbound survey of this 158 acre property, located in Elk and Franklin Townships, Gloucester County and Upper Pittsgrove Township, Salem County, NJ for the preservation of the property under the Farmland Preservation Program. Responsible for overseeing the overall quality of work performed and final approval of the project.

MAE Partnership Survey; QA / QC Manager and Principal in Charge for the outbound survey of this 354.4 acre property, in Elk and South Harrison Townships, Gloucester County, NJ, for the preservation of the property under the Gloucester County Farmland Preservation Program. Responsible for overseeing the overall quality of work performed and final approval of the project.

Clemick Farm Survey; QA / QC Manager and Principal in Charge for the outbound survey of this 84 acre property, located in Township of Franklin, Gloucester County and the Township of Upper Pittsgrove, Salem County, NJ, for the preservation of the property under the Farmland Preservation Program. Responsible for overseeing the overall quality of work performed and final approval of the project.

Benjamin Richards Survey; QA / QC Manager and Principal in Charge for the outbound survey of this 47.83 acre property, in Elk Township, Gloucester County, NJ, for the preservation of the property under the Gloucester County Farmland Preservation Program. Responsible for overseeing the overall quality of work performed and final approval of the project.

THIS DOCUMENT IS PRINTED ON WATERMARKED PAPER, WITH A MULTI-COLORED BACKGROUND AND MULTIPLE SECURITY FEATURES. PLEASE VERIFY AUTHENTICITY.

**State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs**

THIS IS TO CERTIFY THAT THE
Board of Prof. Engineers & Land Surveyors

HAS LICENSED


**ROBERT L. CHURCHILL
10 Catamount Drive
Madford, NJ 08055**

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer

**03/04/2014 TO 04/30/2016
VALID**


Signature of Licensee/Registrant/Certificate Holder

**24GE03342100
LICENSE/REGISTRATION CERTIFICATION #**


DIRECTOR

THIS DOCUMENT IS PRINTED ON WATERMARKED PAPER WITH A MULTI-COLORED BACKGROUND AND MULTIPLE SECURITY FEATURES PLEASE VERIFY AUTHENTICITY

**State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs**

THIS IS TO CERTIFY THAT THE
Board of Professional Planners

HAS LICENSED

**ROBERT CHURCHILL
Churchill Consulting Engineers
Suite A
344 North Route 73
Berlin, NJ 08009**

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Planner

04/08/2014 TO 05/31/2016
VALID



Signature of Licensee/Registrant/Certificate Holder

33LI00401500
LICENSE/REGISTRATION/CERTIFICATION #



DIRECTOR

Andrew E. Coursen, P.E., P.L.S.
Survey Coordinator / Surveyor/ Engineer

Education

BS, Civil Engineering, University of Vermont, 1988

Professional Certifications

Professional Engineer in New Jersey
Professional Land Surveyor in New Jersey

Over 29 years of experience in civil engineering and land surveying, including 22 years as a professional surveyor and over 18 years as a professional engineer. He currently serves as manager of the Survey and CADD department with responsibility for procedures, reviewing the accuracy of survey data, managing the work and the production of the required deliverables. Experienced with Farmland Preservation, Green Acres Standards, and the Recordation Act (formerly Map Filing Law). Experience as an engineer includes the design of many complete major subdivisions including creating Final Plan of Lots.

Jacobstown Solar Survey; Survey Manager for the outbound and topographical survey of this 179.8 acre property in North Hanover Township, Burlington County, NJ. Responsibilities included supervision of field procedures, including GPS network, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and surveys for the establishment of final outbound and supervised all drafting and preparation of deliverables to the client.

Hanover Solar Survey; Survey Manager for the outbound and topographical survey of this 126.9 acre property in North Hanover Township, Burlington County, NJ. Responsibilities included supervision of field procedures, including GPS network, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and surveys for the establishment of final outbound

and supervised all drafting and preparation of deliverables to the client.

Jino Pioppi Survey; Survey Coordinator for the outbound survey of this property consisting of 102.1 acres in Franklin Township, Gloucester County, NJ, for the preservation of this farm. Responsibilities included supervision of field procedures, including GPS network, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and surveys for the establishment of final outbound and supervised all drafting and preparation of deliverables to the client.

Herman Wagner; Survey Survey Coordinator for the outbound survey of this 130.62 acre property survey, in Elk Township, Gloucester County, NJ, for the preservation of this property under the Gloucester County Farmland Preservation Program. Responsibilities included supervision of field procedures, including GPS network, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and surveys for the establishment of final outbound and supervised all drafting and preparation of deliverables to the client.

Myron Hurff Farm Survey; Survey Coordinator for the outbound survey of this 158 acre property, located in Elk and Franklin Townships, Gloucester County and Upper Pittsgrove Township, Salem County, NJ for the preservation of the property under the Farmland Preservation Program. Responsibilities included supervision of field procedures, including GPS network, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and surveys for the establishment of final outbound and supervised all drafting and preparation of deliverables to the client.

MAE Partnership Survey; Survey Coordinator for the outbound survey of this 354.4 acre property, in Elk and South Harrison Townships, Gloucester County, NJ, for the preservation of the property under the Gloucester County Farmland Preservation Program. Responsibilities included supervision of field procedures, including GPS network, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and surveys for the establishment of final outbound and supervised all drafting and preparation of deliverables to the client.

Clemick Farm Survey; Survey Coordinator for the outbound survey of this 84 acre property, located in Township of Franklin, Gloucester County and the Township of Upper Pittsgrove, Salem County, NJ, for the preservation of the property under the Farmland Preservation Program. Responsibilities included supervision of field procedures, including GPS network, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and surveys for the establishment of final outbound and supervised all drafting and preparation of deliverables to the client.

Benjamin Richards Survey; Survey Coordinator for the outbound survey of this 47.83 acre property, in Elk Township, Gloucester County, NJ, for the preservation of the property under the Gloucester County Farmland Preservation Program. Responsibilities included supervision of field procedures, including GPS network, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and surveys for the establishment of final outbound and supervised all drafting and preparation of deliverables to the client.

Ethel G. Ploppi Survey; Survey Coordinator for the outbound survey of this property in Gloucester County, NJ. Responsibilities included supervision of field procedures, including GPS network, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and

surveys for the establishment of final outbound and supervised all drafting and preparation of deliverables to the client.

Dun-Rite Sand and Gravel; Survey Coordinator for the outbound and topographical survey of this 24.4 acre property in Monroe Township, Gloucester County, NJ. Responsibilities included supervision of field procedures, including GPS network, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and surveys for the establishment of final outbound and supervised all drafting and preparation of deliverables to the client.

The First Bank of Elmer; Survey Coordinator for the outbound survey and minor survey of this 89.4 acre property in Elk Township, Gloucester County, NJ. Responsibilities included supervision of field procedures, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and surveys for the establishment of final outbound and supervised all drafting and preparation of deliverables to the client.

Galletto Realty; Survey Coordinator for the outbound and topographical survey of this 25.07 acre properties in the City of Vineland, Cumberland County, NJ. Responsibilities included supervision of field procedures, including GPS network, data collection procedures and quality control for the project. Established Right Of Way and outbound of tract. Analyzed deeds, maps and surveys for the establishment of final outbound and supervised all drafting and preparation of deliverables to the client.

**State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs**

**THIS IS TO CERTIFY THAT THE
Board of Prof. Engineers & Land Surveyors**

HAS LICENSED

**ANDREW E. COURSEN
62 HIGHBRIDGE BLVD
MEDFORD NJ 08055-3340**

FOR PRACTICE IN NEW JERSEY AS A(N): Prof. Engineer & Land Surveyor

**04/13/2014 TO 04/30/2016
VALID**

Signature of License Registrant/Certificate Holder

**24GB03718300
LICENSE/REGISTRATION CERTIFICATION #**

ACTING DIRECTOR

Michael C. Dorio, LS
Assistant Survey Coordinator / CAD Designer

Education

BS, Engineering Technology. NJ Institute of Technology, Newark, NJ, 2004 - 2013
BS, Biology, Ramapo College, Mahwah, NJ, 1992 - 1995
Hunterdon Central High School, Flemington, NJ, HS Diploma, 1985

Assistant Survey Coordinator with over 25 years of surveying and drafting experience. His surveying experience includes both field and office work on projects that include boundary surveys, topographic surveys, rights-of-way survey resolutions, and surveys involving highway and bridge projects, sanitary sewer projects, storm sewer projects, and various site improvement projects, and has extensive experience in the use of the latest technological data collection methods, including the global positioning system (GPS), static survey and real time survey, as well as traditional survey and data collection methods. Additional survey experience includes title surveys, construction layout, as-built surveys, and control surveys.

Mr. Dorio's CAD Designer experience includes property locations, tax map preparation, GIS mapping, aerial and field surveyed base mapping, contouring and digital terrain modeling, profiling and cross-sections, grading, drainage, tie sheets, baselines, monuments, construction layout verification, as-built survey, calculations for earthwork quantities, and data reduction from network GPS, total stations and digital levels. He is proficient with and regularly uses AutoCAD, Civil 3D, ESRI GIS, and Softdesk, Leica, Carlson, Eagle Point, Terramodel and other survey and CADD programs and performs leveling, traverse closures and plots, reference system data transformations, and other survey data calculations and reporting. He coordinates survey data for the CAD design work with Churchill's Professional Land Surveyors and four survey crews.

Al Nappa, Jr. Green Acres Survey; Survey Coordinator and CAD Designer for this 11-acre co-op purchase with Franklin Township Municipal PIG Program. Responsible for project management duties, deed research, deed plotting, boundary resolution, supervision of final plan preparation and coordination of all field crew activities. Reference: Gloucester County, Ken Atkinson 856-307-6451

Linda Matolla / Joann Williams Green Acres Survey; Survey Coordinator and CAD Designer for this 9-acre co-op purchase with Franklin Township Municipal PIG Program. Responsible for project management duties, deed research, deed plotting, boundary resolution, supervision of final plan preparation and coordination of all field crew activities. Reference: Gloucester County, Ken Atkinson 856-307-6451

Josephine Gallagher / Jordan & Bethany Leckenbusch Green Acres Survey; Survey Coordinator and CAD Designer for this 43-acre co-op purchase with Franklin Township Municipal PIG Program, SADC & Natural Resourced Conservation Service. Responsible for project management duties, deed research, deed plotting, boundary resolution, supervision of final plan preparation and coordination of all field crew activities. Reference: Gloucester County, Ken Atkinson 856-307-6451

Sunnydale Partners – SADC / Gloucester County Co-operative Farm Green Acres Survey; Survey Coordinator and CAD Designer for this 154-acre co-operative purchase with Gloucester Township. Responsible for project management duties, deed research, deed plotting, boundary resolution, supervision of final plan preparation and coordination of all field crew activities. Reference: Gloucester County, Ken Atkinson 856-307-6451

North Hanover Solar Farm Green Acres Survey; Survey Coordinator and CAD Designer for this 30-acre Green Acres solar energy project for the development of a utility-scale solar generating facility in North Hanover Township, Burlington County. Responsible for project management duties, deed research, deed plotting, boundary resolution, supervision of final plan preparation and coordination of all field crew activities. Reference: Community Energy Solar, David Krupp 210-230-0345

Eldridge Hill Road Farm Green Acres Survey; Survey Coordinator and CAD Designer for this 84-acre Green Acres farm preservation survey. Duties included project management duties, deed research, deed plotting and boundary resolution. Reference: Salem County Agriculture Development Board, 856-769-3708

**State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs**

THIS IS TO CERTIFY THAT THE
Board of Prof. Engineers & Land Surveyors

HAS LICENSED

Michael C. Dorio
232 Deerwood Drive
Franklinville NJ 08322

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Land Surveyor

06/25/2014 TO 04/30/2016
VALID

Signature of Licensee/Registrant/Certificate Holder

24GS04334700
LICENSE/REGISTRATION/CERTIFICATION #

Michael C. Dorio

ACTING DIRECTOR

Jeffrey Braff
Survey Party Chief**Education**

Glassboro State, Engineering Program, 1983
Glassboro State, Engineering Technology, 1984

Surveyor with over twenty (20) years experience, including fifteen (15) years as Survey Crew Chief. He has extensive experience in bridge and highway engineering, including boundary surveys, topographic surveys, rights-of-way surveys, and surveys involving highway and bridge projects on limited access highways. He has work on numerous NJTA projects and has a working knowledge of the NJTA policy and procedures as they relate to safety and rules governing access to conduct surveying along limited-access highways. He is well experienced in the use of the latest technological data collection methods, including the global positioning system (GPS), static survey and real time survey, as well as traditional survey and data collection methods. Additional survey experience includes title surveys, construction layout, as-built surveys, and control surveys.

Sturgis Farm Survey - Survey Party Chief for the outbound survey of this 120 acre property, in South Harrison Township, Gloucester County, NJ, for the preservation of this property under the Farmland Preservation Program. Responsible for all field work carried out by the survey crew and verifying that the collected survey data is correct.

Shiveler Farm Survey - Survey Party Chief for the outbound survey of this 124.57 acre property, in Logan Township, Gloucester County, NJ, for the preservation of the property under the Farmland Preservation Program. Responsible for all field work carried out by the survey crew and verifying that the collected survey data is correct.

Scholler Factory Survey - Survey Party Chief for this for this 105.20 acre property survey, in Hamilton Township, Atlantic County, NJ. Responsible for all field work carried out by the survey crew and verifying that the collected survey data is correct.

Joseph DeEugenio Farm Survey - Survey Party Chief for the outbound survey of this 161.67 acre property, in Elk Township and the Borough of Clayton, Gloucester County, NJ, for the preservation of the property under the Farmland Preservation Program. Responsible for all field work carried out by the survey crew and verifying that the collected survey data is correct.

Red Lion State Police Barracks - Survey Party Chief for the property survey of this site located in Southampton Township, Burlington County, NJ. Responsible for all field work carried out by the survey crew and for verifying that the collected survey data for the outbound and topographic surveying was correct.

New Jersey Turnpike South Facilities OPS T3463; 8/13–Present; \$60M. Survey Party Chief for field surveying and property line / ROW services on the NJTP mainline maintenance properties. The properties include TMD 1 Swedesboro, TMD 2 Moorestown, TMD 3 Crosswicks, and TMD 5 Milltown. The project surveying (Total Station, digital leveling, and GPS) services included survey control of aerial mapping and DTM; primary control survey for mapping and project survey baselines; ground location of physical features including existing drainage. ROW and property surveying was performed to establish property limits of each site on the ground. *Reference: Gannett Fleming, Daniel Balto (908) 755-0040*

NJTA Garden State Parkway South Facilities OPS TP3461; 8/13–Present; \$50M. Survey Party Chief for field surveying and property/ROW services on the GSP mainline maintenance properties. The properties include PMD 1 Swainton, PMD 2 Whitehorse, PMD 3 Ocean, PMD 5H Bass River, and PMD 4 Herbertsville. The project surveying (Total Station, digital leveling, and GPS) services included survey control of aerial mapping and DTM; primary control survey for mapping and project survey baselines; ground location of physical features including existing drainage. ROW and property surveying was performed to establish property limits of each site on the ground. *Reference: RBA Group, Drew Markewicz (973) 946-5600*

Gerald White**Survey Instrument Operator****Education**

BS, Psychology, Rutgers University, 2011
AA, Social Science, Atlantic Cape May Community College, 2009

Gerald L. White has 8 years experience as a Survey Instrument Technician. A relatively new member of the Churchill team, Mr. White serves as Survey Instrument Technician on a wide range of surveying projects. He has been involved in boundary surveys; topographic surveys; ALTA/ASCM; hydrographic surveys; building system stakeout; construction stakeout; property stakeout; minor and major subdivision plans; calculating slopes and grade breaks; as-built surveys; residential and commercial flood and roof height certifications; and deed indenture and easement research. Expert in the use of the latest technological data collection methods, including the global positioning system (GPS), static survey and real time survey, as well as traditional survey and data collection methods. His surveying responsibilities have included daily maintenance of operational field equipment, providing accurate field notes for office personnel, daily job set-up, accurate retrieval of existing utility information (i.e. water, gas, electric, catv, drainage structures, sanitary structures, Underground and overhead), the application of survey technologies.

NJDEP, Green Acres Survey - Lands N/F Estate Of Viola Molz; 3/11 - 4/11 - Survey Instrument Operator for the outbound survey of this 32.844 acre property survey, in Hamilton Township, Atlantic County, NJ, for the preservation of this property under the Green Acres Program, Ref. #S-1764. Responsibilities included maintaining and setting up equipment, developing and checking project control points, recording accurate measurements, locating property corners and other survey services. *Reference: NJDEP, Fawn McGee 609-984-0609*

Salem County, Camp Karney Dam, Avis Mill Lake and Road, NJDEP Dam Break Analysis and Inundation Study; (1/08-10/09); \$70,000 - Survey Instrument Operator for the field surveying on this dam project located in Pilesgrove Township, Salem County, NJ - Surveying responsibilities involved the field survey of this 7,700 acre watershed, including

project control, photo control, topographic base mapping with 2' contours, dam crest, spillway, bridge, stream profiles, cross sections, and additional hydrologic and hydrographic features for this 25.5 acre lake, 1,400' earthen dam with sheet pile spillway and a seven mile portion of the Salem River including three upstream dammed lakes and two dammed downstream lakes, tributaries, and highway and bridge culverts. Responsibilities included maintaining and setting up equipment, developing and checking project control points, recording accurate measurements, soundings and water elevations, establishing horizontal and vertical control and other survey services. *Reference: Salem County, Joseph Federici 856-589-1400*

NJTA, Interchange 6 - 9 Widening; 12/2010 - present - Survey Instrument Operator for surveying services during construction activities under Contracts 201, 202 & 203 near Interchange 7 on this NJTA Interchange 6 - 9 Widening Project. Responsibilities include developing and checking project control points, checking elevations of settlement platforms, and other survey services during construction. *Reference: Thomas O'Connor, AECOM / GPI / PB, a Joint Venture 609-448-8292*

NJTA, Advanced Clearing of GSP Widening MP 30 to 63; Contract P200.159; 12/2010; \$16M - Survey Instrument Operator for the construction verification survey for this NJTA contract. The project consisted of site clearing in advance of the Garden State Parkway Widening between Milepost 30 and 64.5. The work included the verification of the clearing limits and soil erosion measures, at various locations along the Garden State Parkway in both the northbound and southbound directions in Atlantic, Burlington, and Ocean Counties, New Jersey.

Responsibilities include maintaining and setting up equipment, developing and checking project control points, checking elevations of settlement platforms, and other survey services during construction. *Reference: Jacobs Engineering, Craig Timko 973-479-7806 (cell)*

Jeff H. Kier
CAD Manager / Designer

Education

CIM Certificate, Camden County College, 1999
AutoCAD, Land Desktop, Softdesk Civil-Survey
Modules and Civil 3D Courses

Microstation and InRoads

ESRI ArcMap

Leica Geo-Office, Carlson Survnet, Eagle Point
Pro-Surveyor Plus, and Terramodel

CADD Manager with 15 years of experience; he manages Churchill's Survey data reduction/processing and CADD functions including hardware and software requirements, plotting and printing, and project survey and CADD delivery scheduling for a wide variety of bridge and roadway design and construction management projects, including projects for the NJTA, NJDOT, SJTA and various County highway agencies. His experience includes property locations, tax map preparation, GIS mapping, aerial and field surveyed base mapping, contouring and digital terrain modeling, profiling and cross-sections, grading, drainage, tie sheets, baselines, monuments, construction layout verification, as-built survey, calculations for earthwork quantities, and data reduction from network GPS, total stations and digital levels. He is proficient with and regularly uses AutoCAD, Microstation V8li, Land Desktop, Civil 3D, ESRI GIS, and Softdesk, Leica, Carlson, Eagle Point, Terramodel and other survey and CADD programs and performs leveling, traverse closures and plots, reference system data transformations, and other survey data calculations and reporting; works with Churchill's PLS and survey crews.

Pinelands Hamilton Preserve Green Acres Survey; CADD Manager / Designer for this 1970-acre Green Acres survey for this preserve that protects threatened wildlife, plants and habitats. Responsibilities included base map preparation, generating existing profiles and design of proposed profiles, preparing contours and cross-sections. *Reference: NJDEP, Fawn McGee 609-984-0609*

Sabella Green Acres Survey S-1351; CADD Manager / Designer for the outbound survey performed at this 68.1 acre site in Buena Vista

Township, Atlantic County. Responsibilities included base map preparation, generating existing profiles and design of proposed profiles, preparing contours and cross-sections.

Reference: Atlantic County Farmland Preservation, 609-645-5898

Scholler Brothers Green Acres Survey S1573; CADD Manager / Designer for the outbound Green Acres survey conducted at this 211 acre site in Hamilton Township, Atlantic County. Responsibilities included base map preparation, generating existing profiles and design of proposed profiles, preparing contours and cross-sections. *Reference: Atlantic County Farmland Preservation, 609-645-5898*

Walt Whitman Cultural Arts Center Green Acres Survey; CADD Manager / Designer for the outbound Green Acres survey conducted at this site in Camden, NJ to restore the historic building and surrounding park to its 1930 grandeur. Responsibilities included base map preparation, generating existing profiles and design of proposed profiles, preparing contours and cross-sections. *Reference: Camden County Open Space Advisory Committee, parkprg@co.camden.nj.us*

Walt Whitman Cultural Arts Center Green Acres Survey; CADD Manager / Designer for the outbound Green Acres survey conducted at this site in Camden, NJ to restore the historic building and surrounding park to its 1930 grandeur. Responsibilities included base map preparation, generating existing profiles and design of proposed profiles, preparing contours and cross-sections. *Reference: Camden County Open Space Advisory Committee, parkprg@co.camden.nj.us*

Krumm Property Green Acres Survey and Minor Subdivision; CADD Manager / Designer for the outbound and topographic Green Acres survey to ALTA/ASCM standards at this 169-acre site in North Hanover Township, NJ. Responsibilities included base map preparation, generating existing profiles and design of proposed profiles, preparing contours and cross-sections. *Reference: Burlington County Farmland Preservation, 856-642-3850*

Martin J. Caporelli**CADD Technician / Designer****Education****Mechanical Drafting, Camden County Vocational and Technical School, 1984****Autodesk, CADD Training****Softdesk Civil / Survey Training**

CADD Technician / Designer with over 15 years of experience. Responsibilities as design technician include base map preparation, generating existing profiles and design of proposed profiles, preparing contours and cross-sections, design/drafting of survey plats, calculating points and preparing worksheets for construction stakeouts, and preparing site engineering plans for grading, drainage, water / sewer and soil erosion.

Sturgis Farm Survey - CAD Draftsman for this 120 acre property, in South Harrison Township, Gloucester County, NJ, for the preservation of this property under the Farmland Preservation Program.

Monroe Land Development Survey – CAD Draftsman for this Monroe Land Investments of New Jersey's project, involving the connection of 7 existing buildings and 2 proposed buildings to Evesham Municipal Utilities Authority's municipal sanitary sewer system.

Shiveler Farm Survey - CAD Draftsman for this 24.57 acre property, in Logan Township, Gloucester County, NJ, for the preservation of the property under the Farmland Preservation Program.

John DiGregorio Farm (Game Creek) Survey - CAD Draftsman for this 107.25 acre property survey, in Pilesgrove Township, Salem County, NJ, for the preservation of this property under the Farmland Preservation Program.

Kandle Lake Outbound Survey – CAD Draftsman for this 80 acre property survey, in Washington Township, Gloucester County, NJ, under the Farmland Preservation Act for the U.S. Department of Agriculture through the Gloucester County Planning Department.

Eachus Property Outbound Survey – CAD Draftsman for this 283.33 acre property survey, located in Harrison Township, South Harrison Township, Mantua Township and Elk Township, Gloucester County, under the Farmland Preservation Act for the U.S. Department of Agriculture through the Gloucester County Planning Department.

Kerns Property Outbound Survey – CAD Draftsman for this 50 acre property survey, in Elk Township, Gloucester County, NJ, under the Farmland Preservation Act for the U.S. Department of Agriculture through the Gloucester County Planning Department.

MAE Partnership Property Outbound and Planimetric Survey - CAD Draftsman for this 352 acre property, in South Harrison and Elk Townships, Gloucester County, NJ, under the Farmland Preservation Act for the U.S. Department of Agriculture through the Gloucester County Planning Department.

Ethel Pioppi Property Outbound and Planimetric Survey - CAD Draftsman for this 160 acre property survey, in Monroe Township, Gloucester County, NJ, under the Farmland Preservation Act for the U.S. Department of Agriculture through the Gloucester County Planning Department.

Mary A. West Property Outbound and Planimetric Survey - CAD Draftsman for this 80 acre property survey, in South Harrison Township, Gloucester County, NJ, under the Farmland Preservation Act for the U.S. Department of Agriculture through the Gloucester County Planning Department.

North Carolina Avenue - CAD Draftsman responsible for preparing the base and design plans for this \$6.7 million Casino Reinvestment Development Authority project in Atlantic City, NJ. The project included roadway widening, signalization and beautification. Plans were prepared from aerial planimetrics in CAD format.

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Andrew Coursen

TITLE Survey Department Manager

FIRM Churchill Consulting Engineers

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
Hanover Solar North Hanover Township \$14,000	Churchill Consulting Engineers	Property Resolution	Survey Manager	3	20	10/2013 - 12/2013	Community Energy Solar [REDACTED]
Jacobstown Solar North Hanover Township \$25,000	Churchill Consulting Engineers	Property Resolution	Survey Manager	4	20	6/2011 - 9/2011	Jacobstown Solar [REDACTED]
Dun-Rite Sand and Gravel Monroe Township \$17,000	Churchill Consulting Engineers	Property Resolution	Survey Manager	3	20	9/2004 - 11/2004	Dun-Rite Sand and Gravel [REDACTED]
First Bank of Elmer Elmer Township \$23,000	Churchill Consulting Engineers	Property Resolution	Survey Manager	2	20	5/2004 - 6/2004	The First Bank of Elmer [REDACTED]
Rossi Realty Vineland, NJ \$12,000	Churchill Consulting Engineers	Property Resolution	Survey Manager	3	20	3/2003 - 5/2003	Rossi Realty Shirley Rossi [REDACTED]
Herman Wagner Elk Township \$19,000	Churchill Consulting Engineers	Property Resolution	Survey Manager	3	20	7/2000 - 9/2000	Gloucester County Kenneth Atkinson [REDACTED]
Jino Ploppi Franklin Township \$26,000	Churchill Consulting Engineers	Property Resolution	Survey Manager	4	20	5/2000 - 7/2000	Gloucester County Kenneth Atkinson [REDACTED]

* A KEY TEAM MEMBER IS A TECHNICAL OR MANAGEMENT PERSON DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Michael Dorio, LS
 TITLE Survey Coordinator
 FIRM Churchill Consulting Engineers

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
NJTA Garden State Parkway South Facilities T3461 NJ Turnpike \$297,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Coordinator	12	20	8/13/2014	RBA Group [REDACTED]
North Hanover Solar North Hanover Township \$7,000,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Coordinator	6	20	2011	Community Energy Solar [REDACTED]
Pinelands Hamilton Preserve Hamilton Township \$8,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Coordinator	12	20	2011	The Pinelands Commission [REDACTED]
Al Nappa, Jr. Franklin Township \$13,000	Vargo Associates	Outbound and Topographic Survey	Survey Coordinator	3	20	2009	Gloucester County Kenneth Atkinson [REDACTED]
Linda Matolla /Joann Williams Franklin Township \$9,200	Vargo Associates	Outbound and Topographic Survey	Survey Coordinator	4	20	2009	Gloucester County Kenneth Atkinson [REDACTED]
Josephine Gallagher Survey Franklin Township \$50,000	Vargo Associates	Outbound and Topographic Survey	Survey Coordinator	4	20	2008	Gloucester County Kenneth Atkinson [REDACTED]
Eldridge Hill Road Farm Pilesgrove Township \$1,344,000	Vargo Associates	Outbound and Topographic Survey	Survey Coordinator	12	20	2007	Salem County Agriculture Development Board [REDACTED]

* A KEY TEAM MEMBER IS A TECHNICAL OR MANAGEMENT PERSON DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Jeffrey Braff

TITLE Survey Party Chief

FIRM Churchill Consulting Engineers

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
NJTA Turnpike South Facilities T3463 NJ Turnpike \$735,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Party Chief	12	20	8/13 - Present	Gannett Fleming [REDACTED]
NJTA Garden State Parkway South Facilities T3461 NJ Turnpike \$297,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Party Chief	12	20	8/13 - Present	RBA Group [REDACTED]
Joseph DeEugenio Farm Survey Clayton, NJ \$33,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Party Chief	6	20	2009	Gloucester County [REDACTED]
Scholler Factory Hamilton Township \$57,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Party Chief	2	20	2008	Atlantic County Farmland Preservation [REDACTED]
Shiveler Farm Survey Logan Township \$17,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Party Chief	4	20	2006	Gloucester County [REDACTED]
Sturgis Farm Survey South Harrison Township \$25,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Party Chief	3	20	2005	Gloucester County [REDACTED]
Red Lion State Police Barracks Southampton, NJ \$32,900	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Party Chief	4	20	2003	Tabernacle Township [REDACTED]

* A KEY TEAM MEMBER IS A TECHNICAL OR MANAGEMENT PERSON DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME William Franklin
 TITLE Survey Crew Chief
 FIRM Churchill Consulting Engineers

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
Ethel G. Pioppi Survey Franklin Township, NJ \$27,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Crew Chief	3	20	1995	Gloucester County [REDACTED]
Duffield Property Washington Township, NJ \$12,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Crew Chief	3	20	1998 - 1999	Gloucester County [REDACTED]
Kandle Lake Outbound Survey Washington Township, NJ \$25,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Crew Chief	3	20	1998 - 1999	Gloucester County [REDACTED]
MAE Partnership Elk & South Harrison Townships \$14,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Crew Chief	4	20	1996	South Harrison Township [REDACTED]
Smethwycke Development Cinnaminson, NJ \$13,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Crew Chief	2	20	1988	Cinnaminson Township [REDACTED]
Highbridge Major Subdivision Medford Township, NJ \$20,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Crew Chief	3	20	1988	Medford Township [REDACTED]
Fox Hollow Development East Greenwich Township, NJ \$15,000	Churchill Consulting Engineers	Outbound and Topographic Survey	Survey Crew Chief	4	20	1988	Gloucester County [REDACTED]

* A KEY TEAM MEMBER IS A TECHNICAL OR MANAGEMENT PERSON DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Gerald White

TITLE Survey Instrument Person

FIRM Churchill Consulting Engineers

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
Viola Molz Green Acres Hamilton Township \$8,000	Churchill Consulting Engineers	Survey	Survey Instrument Person	2	20	2011	The Pinelands Commission [REDACTED]
Camp Karney Dam Pilesgrove Township \$70,000	Churchill Consulting Engineers	Survey	Survey Instrument Person	4	20	2008 - 2009	Salem County [REDACTED]
Interchange 6 to 9 Widening NJ Turnpike \$1.7 billion	Churchill Consulting Engineers	Survey	Survey Instrument Person	12	50	2010 - 2014	AECOM [REDACTED]
Advanced GSP Clearing Garden State Parkway MP 30 to 63 \$16,000,000	Churchill Consulting Engineers	Survey	Survey Instrument Person	6	20	2010	Jacobs Engineering [REDACTED]
Cherry Valley Road Bridge Mercer County \$400,000	Churchill Consulting Engineers	Survey	Survey Instrument Person	4	20	2011	Mercer County [REDACTED]
Interchange 7A Improvements NJ Turnpike \$235,000,000	Churchill Consulting Engineers	Survey	Survey Instrument Person	6	20	2010	Stone & Webster [REDACTED]
Interchange 8 Improvements NJ Turnpike \$280,000,000	Churchill Consulting Engineers	Survey	Survey Instrument Person	6	20	2010	HNTB [REDACTED]

* A KEY TEAM MEMBER IS A TECHNICAL OR MANAGEMENT PERSON DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Jeffrey Kier

TITLE CADD Manager

FIRM Churchill Consulting Engineers

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
Pinelands Hamilton Preserve Hamilton Township \$8,000	Churchill Consulting Engineers	Survey Resolution and Data Reduction	CADD Manager	1	20	2011	The Pinelands Commission [REDACTED]
Sabella Property Buena Vista Township \$9,800	Churchill Consulting Engineers	Survey Resolution and Data Reduction	CADD Manager	1	15	2005	Atlantic County Farmland Preservation [REDACTED]
Scholler Brothers Survey Hamilton Township \$15,000	Churchill Consulting Engineers	Survey Resolution and Data Reduction	CADD Manager	2	25	2007	Atlantic County Farmland Preservation [REDACTED]
Walt Whitman Cultural Arts Center Camden, NJ \$8,100	Churchill Consulting Engineers	Survey Resolution and Data Reduction	CADD Manager	0.5	25	2007	Camden County Open Space Advisory Committee [REDACTED]
Krumm Property North Hanover Township \$10,100	Churchill Consulting Engineers	Survey Resolution and Data Reduction	CADD Manager	0.25	10	2004	Burlington County Farmland Preservation [REDACTED]
Great Egg Harbor Bridge Design Egg Harbor Township, NJ \$180,000,000	Churchill Consulting Engineers	Survey Resolution and Data Reduction	CADD Manager	0.5	20	2012	Hardesty & Hanover [REDACTED]
GSP Widening Interchange 30 to 60 Garden State Parkway \$645,000,000	Churchill Consulting Engineers	Survey Resolution and Data Reduction	CADD Manager	0.5	20	2009	AECOM [REDACTED]

* A KEY TEAM MEMBER IS A TECHNICAL OR MANAGEMENT PERSON DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Martin J. Caporelli

TITLE CADD Technician

FIRM Churchill Consulting Engineers

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
Monroe Land Development Evesham, NJ \$67,000	Churchill Consulting Engineers	CADD Drafting	CADD Technician	12	20	2012	Monroe Land Investments [REDACTED]
Kerns Property Outbound Survey Elk Township, NJ \$12,000	Churchill Consulting Engineers	CADD Drafting	CADD Technician	6	20	2008	Gloucester County [REDACTED]
John DiGregorio Farm (Game Creek) Survey Pilesgrove Township \$22,700	Churchill Consulting Engineers	CADD Drafting	CADD Technician	4	20	2007	Gloucester County [REDACTED]
Eachus Property Outbound Survey Harrison / South Harrison / Mantua / Elk Townships \$14,500	Churchill Consulting Engineers	CADD Drafting	CADD Technician	12	20	2006	Gloucester County [REDACTED]
Sturgis Farm Survey South Harrison Township \$25,000	Churchill Consulting Engineers	CADD Drafting	CADD Technician	3	20	2005	Gloucester County [REDACTED]
Shiveler Farm Survey Logan Township \$17,000	Churchill Consulting Engineers	CADD Drafting	CADD Technician	4	20	2005	Gloucester County [REDACTED]
Kandle Lake Outbound Survey Washington Township, NJ \$17,700	Churchill Consulting Engineers	CADD Drafting	CADD Technician	4	20	2003	Gloucester County [REDACTED]

* A KEY TEAM MEMBER IS A TECHNICAL OR MANAGEMENT PERSON DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT

FIRM NAME	KEY PERSONNEL & TITLE	PERCENTAGE OF TIME ASSIGNED TO PROJECT	
		SURVEY SERVICES	HOURLY WAGE LEVEL 1-7
Churchill Consulting Engineers	Andrew Coursen, PE & LS - Survey Department Manager	Project Management/Boundary Resolution	6
Churchill Consulting Engineers	Michael Dorio, LS - Survey Coordinator	Field Crew coordination/Deed, Document Research/Boundary Resolution	5
Churchill Consulting Engineers	Jeffery Kier - CADD Manager	CAD Drafting and coordination	4
Churchill Consulting Engineers	Jeffery Hazzan - CADD operator	CAD Drafting	2
Churchill Consulting Engineers	William Franklin - Survey Crew Chief	Conduct Field Survey	3
Churchill Consulting Engineers	Gerald White - Survey Instrument person	Assist in conduction of field survey	2
Churchill Consulting Engineers	Mathew Graham - Survey Crew Chief	Conduct Field Survey	3

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

PROJECT APPROACH / UNDERSTANDING

Churchill Consulting Engineers (CCE) and its personnel have many years of experience of small to large property surveys throughout its history. With that, this RFP requires the property surveying of 89 individual lots, many of them adjacent to each other. Our approach to this project would be the same whether a 1/3 acre single lot or a series of lots such as this project. The following details this approach:

1. After notice to proceed, our first task is to obtain all owners information and begin our research of all legal documents pertaining to each property and adjacent properties including deeds, filed maps, previous surveys, surveyor notes, tax maps. This will inform us as to the expected location of monuments and form the basis of our surveys.
2. Our work will require access to all properties and with that, CCE will send certified notifications to each owner with a notification of entry. This will be conducted as per NJAC 45:8-44.1 and NJDEP Green Acres standards section 5.2.
3. Once deeds and other documents have been collected, we will begin our process of creating a mosaic of all the deeds to ascertain the compatibility of adjacent deeds. This will help identify any potential overlaps and gores in the recorded documents and how our field survey matches up.
4. Our field crews, in the meantime will start setting traverse control to horizontally tie together all the properties and improvements to be located. The traverse will be a closed loop with adjustments made in the office. The adjusted control will then be used to locate selected improvements and property control.
5. We will then provide our field crews with expected locations of property control based on our legal documents search and deed mosaic. Each property corner will be investigated for monumentation - whether the deeds or filed maps call for them or not – and then located.
6. The field crews will locate all monumentation found.
7. As directed, all improvements that are well within the properties will be generally located, but physical features and improvements that are close to property limits will be accurately located as they may influence questions of ownership and identify encroachments. CCE will notify the Project team of any ownership questions and encroachments as we find them, as we understand this may affect purchasing negotiations.
8. Individual property surveys will be drafted in accordance with Green Acres standards. Our first property will be preliminarily submitted to the Project Team to allow for review of content and format.
9. As we complete our individual surveys, we will also be creating an overall project composite location plan. We will create this from a mosaic of all the property surveys to be performed and will be deliverable once completed.
10. We will complete a Surveyor's Certification and Summary Form for each owner.
11. Our costs reflect the proposed setting of 100 corner markers, as an allowance, that may need to be set up to three (3) years after the completion of the surveys. It is understood that no corner markers will be set on a property that is in need of demolition. Corner markers

will be set in accordance with the Green Acres Program's Scope of Survey Services and Standard Detail Requirements. Setting of the corner markers on properties in need of demolition will only be set after receiving a notice of completion of demolition. CCE will then set the monumentation with 30 days of this notice.

12. Legal descriptions of ultimate lots will be provided after the completion of each survey.

ID	Task Name	Durat	19, '14							Oct 26, '14			Nov 2, '14			Nov 9, '14			Nov 16, '14			Nov 23, '14			Nov 30,					
			W	F	S	T	T	S	M	W	F	S	T	T	S	M	W	F	S	T	T	S	M	W	F	S	T	T	S	M
1	Kickoff Meeting/Notice to Proceed (Arbitrary Start Date)	1 day																												
2	Obtain Owners Information, Submit Notification of Entry	2 day																												
3	Record Research - deeds, file plats	4 day																												
4	Deed Plotting	5 day																												
5	Field Surveying - Collecting Data	54 d																												
6	Set and Traverse Horizontal Control	2 day																												
7	Recon property corners	4 day																												
8	Locate Property Corners	5 day																												
9	Locate Physical Features	23 d																												
10	Set Property corners of vacant lots	5 day																												
11	Boundary Resolution	28 d																												
12	Drafting	60 d																												
13	Individual Lots	45 d																												
14	Overall Project Composite Location Plan	10 d																												
15	Parcel Closure Calculations	2 day																												
16	Legal Descriptions	25 d																												
17	Surveyors Certification and Summary Form	25 d																												
18	Corner Marker Description Sheets	5 day																												
19	Deliverables	2 day																												

Project: Blue Acres Survey - Var Date: Fri 7/18/14	Task	e	↓
	Split	s	_____
	Milestone	◆	Progress _____
	Summary	└	_____

PROFESSIONAL SERVICES FEE PROPOSAL
DIVISION OF PROPERTY MANAGEMENT & CONSTRUCTION **Final / Accepted**
Fee Proposal

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

DATE: July 22, 2014
 PROJECT NO.: P1115-00

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

CENTRAL FILE	Project #	P1115-00
	Doc Index	200
	Contract #	DR-01
	Doc Date	8/7/14

THIS PROPOSAL DUE DATE, NO LATER THAN 2.00 PM, TUESDAY, July 22, 2014

FIRM NAME Churchill Consulting Engineers

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

CONSULTANT SURVEY SERVICES	\$ <u>\$85,860.00</u>
SUB CONSULTANT SURVEY SERVICES	\$ <u>\$0.00</u>
TOTAL LUMP SUM FEE FOR SURVEY SERVICES	\$ <u>\$85,860.00</u>
CORNER MARKER SETTING ALLOWANCE	\$ <u>\$27,040.00</u>
TOTAL CONTRACT AMOUNT	\$ <u>\$112,900.00</u>

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: Joseph E. Keil Print Name: JOSEPH E. KEIL

Title: VICE PRES Date: 7/22/14

Witness Signature: RC Print Name: ROBERT CHURCHILL

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)

2014 JUL 24 A 9 58
 P1115

CONSULTANT TASK/LABOR/FEE SHEET

A/E:

Project # P1115-00

Project Name: Boundary Survey for Land Acquisition

Project Location: Various Parcels - Woodbridge, Middlesex County, NJ

PROJECT PHASE OR TASK	CONSULTANTS LEVEL OF EFFORT IN HOURS/FEE								REPROD. COST PER PHASE INCLUD. SUB CONSULTANT DOCUMENTS	TOTALS PER TASK	
	LEVEL	7	6	5	4	3	2	1		HOURS	\$ AMOUNT
	*HOURLY RATE	\$185.00	\$145.00	\$105.00	\$95.00	\$80.00	\$70.00	\$			
SURVEY SERVICES	HOURS	6	60	73	73	300	535			1047	
	AMOUNT	\$1,110.00	\$8,700.00	\$7,665.00	\$6,935.00	\$24,000.00	\$37,450.00	\$	\$	\$85,860.00	
CORNER MARKER SETTING	HOURS		8	16		120	120			264	
	AMOUNT	\$	\$1,160.00	\$1,680.00	\$	\$9,600.00	\$8,400.00	\$	\$6,200.00	\$27,040.00	
	HOURS										
	AMOUNT	\$	\$	\$	\$	\$	\$	\$	\$	\$	
TOTAL	HOURS	6	68	89	73	420	655	0		1311	
	AMOUNT	\$1,110.00	\$9,860.00	\$9,345.00	\$6,935.00	\$33,600.00	\$45,850.00	\$0.00	\$	\$112,900.00	
PROFESSIONAL SERVICES									HOURS	1311	
GRAND TOTALS									AMOUNT	\$112,900.00	

Concrete Monuments and Caps \$62.00/monument X 100 monuments = \$6200.00

Find / Accepted Fee Proposal



Churchill Consulting Engineers
344 North Route 73, Suite A, Berlin, NJ 08009
Phone 856-767-6901 Ext. 26 Fax 856-767-0272
E-mail jkeil@churchillengineers.com

August 21, 2014

New Jersey Department of Treasury
Division of Property Management and Construction
Contracts and Procurement Unit
33 West State Street
Trenton, New Jersey 08625

**Final / Accepted
Fee Proposal**

Attention: **Walter Fernandez**

Re: P1115-00
Woodbridge Surveys
Our File No.: P14060

**Final / Accepted
Fee Proposal**

Dear Walt:

Per your request, Churchill is pleased to provide you with the unit costs for the following items:

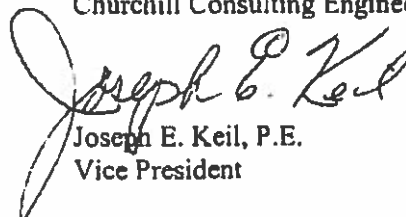
- | | |
|--|----------|
| 1) Single Concrete Corner Marker set in place: | \$226.25 |
| 2) Single Rebar Corner Marker set in place: | \$136.25 |

It is our understanding that these costs will be billed off of the allowance we have submitted in our Fee Proposal, dated July 22, 2014 for the above referenced project.

If you have any questions or require any additional information, please contact our office.

Very Truly Yours,

Churchill Consulting Engineers



Joseph E. Keil, P.E.
Vice President

JEK:nf