

Consulting Services Contract
City of Waukesha – The SIGMA Group
Project Name: Construction Site Representation for Private Development 2019-2020

This Contract is by and between the City of Waukesha, a Wisconsin municipal corporation, referred to herein as the City; and The SIGMA Group, 1300 W. Canal Street, Milwaukee, WI 53233, referred to herein as the Consultant. Together, the City and Consultant are referred to as the Parties.

Recitals

The City published a Request for Proposals, referred to as the RFP, for consulting services in connection with the following Project:

Construction Site Representation for Private Development 2019-2020

The RFP contained a specific Scope of Work to be incorporated into the successful bidder's contract.

The Consultant submitted a proposal in response to the RFP, and was selected by the City to be awarded the contract for the Project.

The Consultant is willing to perform consulting services according to the Scope of Work stated in the RFP and the Consultant's responsive Proposal, as modified by the Parties, and to accept the award of the contract for the Project.

Now, therefore, the City and the Consultant agree and contract as follows:

1. **Scope of Work.** The Consultant shall perform the Work described on Schedule A, according to the terms and conditions of this Contract. Schedule A is incorporated into this Contract by reference.
2. **Standard of Work.** Consultant will perform the Work according to generally-accepted industry practices and the highest standards of the professions of the individual employees performing the Work for Consultant.
3. **Payment.** The City shall pay to Consultant the hourly wages in the attached proposals for 2019-2020 Construction for performance of the Work in compliance with the terms and conditions of this Contract. Consultant shall invoice the City, monthly. No more than 90% of the Contract Price shall be payable before Consultant's Work is complete and delivered to the City. All invoices shall be payable net 30 days.
4. **Time.** Consultant shall commence the Work as promptly after execution of this Contract as is possible, and shall complete the Work no later than December 31, 2020, subject only to delays for circumstances beyond Consultant's control, provided Consultant re-commences work promptly in good faith upon the return of normal circumstances.
5. **Ownership of Work Product.** All materials produced in the performance of the Work shall be the sole property of the City, and shall be kept confidential and not disclosed to any third party without the prior written permission of the City.
6. **Changes.** This Contract can only be amended by the written, mutual agreement of the Parties. No change to the scope of the Work, or the total amount to be paid to Consultant, shall be effective unless done by the written mutual agreement of the Parties.
7. **Indemnification.** Consultant shall indemnify, defend, and hold the City and its officials and employees harmless from any and all third-party claims, demands, causes of action, lawsuits, judgments, penalties, and other liabilities of any kind to the extent that they arise out of or in connection with Consultant's performance of the Work, including court costs and actual attorney fees.

8. **Insurance.** Consultant shall maintain insurance of the following kinds and for not less than the following limits, at Consultant's sole expense, at all times during the performance of the Work. Policies shall be occurrence, and not claims-made, policies, except for professional errors and omissions policies. Consultant shall obtain an endorsement making the City an additional insured, and Consultant's insurance shall be primary, not excess, and non-contributory. All policies shall be from insurers licensed to issue such policies in Wisconsin. Upon the execution of this Contract, Consultant shall deliver a certificate of insurance to City showing that all requirements of this section are met.
- a. Commercial general liability, including products-completed operations, \$1,000,000 per occurrence, \$2,000,000 aggregate per project.
 - b. Automobile liability, \$1,000,000 bodily injury, \$1,000,000 property damage.
 - c. Excess liability-umbrella, \$5,000,000.
 - d. Worker compensation, statutory requirements.
 - e. Professional liability-errors and omissions, \$2,000,000, with extended-reporting period endorsement.
9. **Record Keeping.** Consultant shall keep all documents and records generated in the performance of the Work for no less than 7 years after completion of the Work, and shall make them available to the City at the City's request. Consultant acknowledges that such documents and records may be subject to Wisconsin's Open Records Law.
10. **Cooperation by City.** The City shall cooperate with the Consultant in the performance of the Work, and shall respond timely to all reasonable requests for information and access.
11. **Parties Are Independent Contractors.** Nothing in this Contract shall be construed to create any relationship between the Parties other than independent contractors. Unless specifically provided in this Contract, the Parties are not agents for one another, have no authority to bind the other to contracts, and have no vicarious liability for the other's acts or omissions.
12. **Governmental Immunities, Liability Limits, and Notice Requirements Preserved.** Nothing in this Contract shall be construed to be a waiver or modification of the governmental immunities, notice requirements, or limitations of liability imposed by Wis. Stats. §893.80 or any other law.
13. **Permits and Licenses.** Consultant shall be responsible, at Consultant's expense, for obtaining all permits and licenses required for the performance of the Work.
14. **Assignment Prohibited.** This Contract, and the Consultant's responsibility to perform the Work under this Contract, may not be assigned by the Consultant without the City's written consent.
15. **Notices.** All notices required by this Contract, and all other communications between the Parties, shall be addressed as follows:

To the City: Attention Director of Public Works
City of Waukesha
130 Delafield Street
Waukesha WI 53188

To Consultant: Attention Bob Peschel, P.E.
The SIGMA Group
1300 W. Canal Street
Milwaukee, WI 53233

16. **Corporate Authorization.** The individuals executing this Contract on behalf of the Consultant warrant and represent that they are duly authorized to bind the Consultant to this Contract. Consultant warrants and represents that the execution of this Contract is not prohibited by the Consultant's articles of incorporation, by-laws, operating agreement, or other internal operating orders, or by any applicable law, regulation or court order. Consultant shall provide proof upon request.
17. **Assistance of Counsel, Voluntary Contract.** The Consultant acknowledges that it has either had the assistance of legal counsel in the negotiation, review and execution of this Contract, or has voluntarily waived the opportunity to do so; that it has read and understood each of this Contract's terms, conditions and provisions, and their effects; and that it has executed this Contract freely and not under conditions of duress.
18. **Adequacy of Consideration.** The Parties acknowledge that the consideration expressed in this Contract is adequate and sufficient to make the obligations contained in this Contract binding upon the Parties.
19. **Costs of Enforcement.** The Parties agree that in the event legal action is necessary to enforce any term or condition of this Contract, then the breaching Party will pay the non-breaching Party's costs incurred in such legal action, including actual attorney fees. If a judgment is taken, then costs of enforcement will be added to the judgment, subject to statutory governmental immunities and liability limits.
20. **Severability.** If any term of this Contract is held unenforceable by a court having jurisdiction, then to the extent the unenforceable term can be severed from the remainder of this Contract without affecting the enforceability of the remainder of this Contract or substantially frustrating its purpose, it will be so severed, and the remainder of this Contract will remain in effect and enforceable.
21. **Survival and Parties Bound.** Unless specifically limited in this Contract, any term, condition or provision of this Contract will survive the execution of this Contract or any stated time periods, to the extent necessary for their performance. This Contract is binding upon, and inures to the benefit of, the Parties' successors, assigns, heirs, executors, trustees and personal representatives.
22. **Governing Law and Jurisdiction.** This Contract will be construed and enforced according to the laws of Wisconsin. If a lawsuit arises out of this Contract, it shall be filed in the state Circuit Court for Waukesha County, Wisconsin. The Parties consent to personal and subject-matter jurisdiction in Wisconsin, and waive all jurisdictional defenses.
23. **Integration, Construction of Contract.** This Contract constitutes the entire agreement of the Parties formed as a result of the City's RFP and the Consultant's responsive proposal. All other agreements and understandings of the parties with respect to the subject matter expressed in this Contract are unenforceable. If there are any conflicts among the terms of this Contract and any documents incorporated into this Contract, including Schedule A, then the terms of this Contract shall control.
24. **Termination.** Either party may terminate this Contract without cause by giving written notice of termination to the other party, with termination to occur no sooner than 20 days after delivery of the notice. Upon termination, Consultant shall be paid for all Work completed as of the date of termination.
25. **Limitation of Liability.** Consultant shall not be liable for incidental or consequential contract damages. There shall be no other limitations of Consultant's liability.
26. **Confidentiality; Public Records.** All documents created pursuant to this Contract, and all documents delivered to the City, are public records and will be subject to disclosure to the public under Wisconsin's Open Records law.
27. **Effective Date.** This Contract shall be effective as of the latest date of execution shown below.

City of Waukesha

By Shawn N. Reilly, Mayor

Date:_____

Attested by Gina L. Kozlik, City Clerk

Date:_____

To certify that funds are provided for payment:

Richard L. Abbott, Director of Finance

Date:_____

The SIGMA Group

By (print name)_____

Title:_____

Date:_____

By (print name)_____

Title:_____

Date:_____

Schedule A Scope of Work

OVERVIEW

The City of Waukesha is requesting quotes and a statement of qualification for providing on-call or as-needed construction site representation / construction management services for private development construction activities for 2018-2019.

A list of Prequalified Consultants and their hourly rates will be provided to Developers upon their request to oversee the construction of the sanitary and storm sewers, curb and gutter, sidewalk, roadway, pavements or other items on behalf of the City. An example is provided in Appendix A.

The Developer will select the Consultant from the City-provided list. The Consultant will be contracted through the City and invoices shall be paid by the City from funds provided by the Developer in their Developer's Deposits. Invoicing will be confirmed by the Engineering Division for hours worked.

The City cannot provide an estimate of hours that a Developer may use an individual Consultant, when or how often a Consultant may be selected by a Developer. Which Consultant the Developer chooses from the prequalified Consultants is entirely the Developer's option other than what is indicated in the City's Development Handbook.

The City will not recommend a particular Consultant, but will provide the rate information sheet upon request for construction site representation. Developers will be required to complete the Project using a single Consultant for construction site representation once the construction phase of the project is started unless approved by the City Engineer.

The Consultant selected by the Developer as the Construction Site Representative (CSR) may not also be a Partner, Owner, Engineer, Surveyor or Designer for the project and shall not have any interest or holdings on the project.

The City will make the final determination of when a CSR is required to be on-site, and what level CSR will be required.

The City will make the determination and "pre-qualify" individual CSRs from the submitted candidates from each Consultant. CSRs shall be employed by the Consultant and shall not be contract employees, temporary employees or prospective employees whose employment is contingent upon approval of this Prequalification. CSRs may be seasonal employees. CSRs may be Engineering Co-op students or Engineering Interns with no less than 3 months of CSR experience or a minimum of 3rd-Year Engineering Student and must be directly supervised by a Sr Tech CSR or Tech II CSR.

The City of Waukesha Department of Public Works, Design and Construction Manual, 2019 Edition, Division 1 Development Handbook, Section 7 – Construction Management and Review outlines specific duties and responsibilities of the CSR and may be found on the City's website here:

<https://waukesha-wi.gov/DocumentCenter/View/8893/Development-Handbook-2019>

SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT:

- Provide a Construction Site Representative (CSR) for infrastructure installation on private development projects. Infrastructure improvements may include: sanitary sewer systems, storm sewer systems, street light conduit and bases, EBS, road base installation, concrete curb, flatwork and pavement, hot mix asphalt pavement, and restoration and additional infrastructure as needed or as shown on Plans. Other non-infrastructure observations may include erosion control and traffic

control. Mass grading, rough or final grading, pavement markings, retaining walls, ponds and the associated water quality control measures are not included.

- Understand and enforce the City of Waukesha Standard Construction Specifications, most recent edition.
- Attend pre-construction meetings as necessary for assigned projects. Meeting facilitation and agenda preparation will not be required for this task.
- The CSR will work with, report to and communicate with the City of Waukesha Engineering Tech Supervisor or Project Manager in charge of the project. The CSR shall be equipped with a phone and survey equipment for acquiring elevations during construction.
- Review construction materials on-site to determine compliance with the City's Standard Construction Specifications.
- Observe that improvements are installed at proper elevations and locations. Record grades and pipe inverts during construction for record drawings. Report deviations from plans to the City. The City will not provide the CSR with survey equipment.
- Be knowledgeable of concrete and soil compaction testing/sampling procedures and witness testing completed by Contractor. Testing shall not be performed by the CSR.
- Complete and deliver completed construction Daily Reports (DRs) to Engineering Tech Supervisor or Project Manager every week. Quantity tabulation is not part of this request.
- Attend project meetings held at the job site, City Engineering office or other locations.
- Provide one point of contact for the scheduling of work and billing questions.
- Construction Surveying (staking) services is not considered part of this quote and will be performed by others.

SCOPE OF SERVICES PROVIDED BY THE CITY OF WAUKESHA:

- One hard copy of the approved plans and special provisions and one electronic copy in PDF format. One electronic (PDF) copy of the City's Standard Construction Specifications – most recent edition.
- Schedule preconstruction meetings. Coordinate, or perform the facilitation, prepare agenda and minute preparation for the meetings.
- Daily Reports (DRs) in electronic PDF and MS-Excel format. Forms will include quantity tabulation worksheets and other reporting sheets. These forms and worksheets shall be used by the Consultant. No substitutions or modifications will be allowed. No proprietary software systems will be accepted. Tablets, I-pads or other electronic hardware for preparing the documents may be used. Daily reports shall be completed and submitted to the City in MS-Excel and PDF format. Electronic signatures on the forms will be accepted.
- City staff will perform all sub-base proof-rolls, inspections or reviews.
- City staff will review all contractor submittals but will provide reviews to the Consultant for information and enforcement.

February 1, 2019

Project Reference No. 18336

Mr. Jon Weil, P.S.
Engineering Tech Supervisor
City of Waukesha
130 Delafield Street
Waukesha, WI 53188

**RE: Construction Site Representative for
Private Development Construction, 2019-2020 Quote**

Dear Mr. Weil,

The Sigma Group, Inc. (Sigma) appreciates this opportunity to submit our quote for Construction Site Representation (CSR) for Private Development Construction for the 2019 – 2020 construction seasons for the City of Waukesha (City). Sigma has reviewed the City of Waukesha DPW Development Handbook, Section 7 Construction Management and Review and confident our experienced staff will provide value for private developer projects that involve public infrastructure. Sigma is an employee-owned, professional engineering consulting firm based in Southeastern Wisconsin with a strong reputation and seasoned experience in construction administration and inspection services, especially for projects in urban settings. Representative clients in this area of our practice include multiple private developers, WisDOT, WDNR, and several municipalities such as the City of Milwaukee, Milwaukee County, the City of New Berlin, City of Brookfield, and the villages of Sussex, Whitefish Bay and Shorewood.

Sigma is uniquely positioned to provide the City with CSRs that have substantial and wide-ranging construction administration and inspection experience as well as valuable engineering and design expertise. Sigma's breadth of applied experiences with private development projects, environmental services, inspection, material testing, construction surveying and staking activities positions us to be a best-fit in providing developer construction site representative services to the City involving public infrastructure utilities and roadways. This extensive background will provide the City a representative with a well-versed expertise of various aspects of private development projects, and the ability to **notice, understand, and offer knowledge-based solutions** to the issues that arise during construction. Attributes for having Sigma serve the City as the CSR include:

Developer Understanding- Sigma has a strong book of projects supporting private development projects during planning, design, and construction in southeast Wisconsin driven by cost allocation and schedule.

Seasoned Leadership- Paul Imig, PE will serve as Sigma's manager for assignments through this contract. Paul has extensive construction administration and inspection experiences working on multiple WisDOT roadway projects as well as serving in a similar role on behalf of municipalities for private development projects. Examples include the Corridor in Brookfield and subdivision work for the Village of Sussex.

Strong Bench -Multiple CSR Technicians are incorporated into the proposed team to provide a diversity of experience and to ensure the availability of our services to the City. Mr. Imig and the Sigma staff will work with the City to determine the best-suited CSR for each individual project. Our team places great emphasis on effective communication with important City employees and other project stakeholders.

Competitive Billing Rates- Our proposal presents value-oriented billing rates for assignments under this contract.

The Sigma Group, Inc. (Sigma) is excited to be considered for this role to work with the City, as City representatives, providing our **vast experience, unique expertise, reputable performance, and competitive rates** for private development construction site projects and related activities. Please contact us should you have any questions or require additional information.

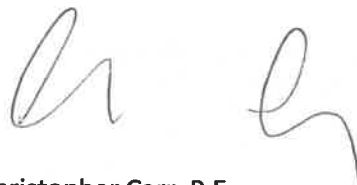
Sincerely,

The Sigma Group, Inc.



Paul Imig, P.E.
Senior Civil Engineer
(414) 643-4172

pimig@thesigmagroup.com



Christopher Carr, P.E.
Senior Civil Engineer/ Civil Group Leader
(414) 643-4163

ccarr@thesigmagroup.com

City of Waukesha

2019-2020 Construction Site Representation Services for Private Development Construction Quote



Submitted By:



The Sigma Group, Inc

Submitted: January 31, 2019

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Firm Background – The Sigma Group

The Sigma Group's (Sigma) southeastern Wisconsin-based staff of 78 includes registered Professional Engineers in the civil, mechanical, environmental, and chemical disciplines; Professional Land Surveyors; Construction Inspectors; certified stormwater inspectors; certified asbestos supervisors/inspectors; certified lead inspectors/risk assessors; Certified Hazardous Materials Managers, Professional Geologists, and Registered Hydrogeologists, as well as additional engineering technicians, inspectors, scientists and compliance specialists. This team of professionals is highly skilled in computer-based applications for modeling and site design involving aerial imaging/surveying, 3-D laser scanning, managing GIS-based assets, environmental information database and SharePoint documents. Several key staff are LEED certified.

Serving the public and private sectors since 1991, Sigma assists client managing the planning, project delivery, and costs for land development, redevelopment and infrastructure improvements as well as navigate the myriad of environmental, health and safety regulations. This includes serving as construction inspector and project manager for delivering successful projects for our private and public clients. Sigma focuses on creating functional, innovative solutions that optimize results for the project, the client and the community. Our diverse range of services, expertise and can-do attitude enable our clients to achieve a successful balance between today's challenges and the long-term need to preserve important resources.

Sigma provides construction administration and on-site inspection services for the Wisconsin Dept. of Transportation, municipal, and private infrastructure construction projects. Construction inspection services are provided to ensure contractor construction activities adhere to approved project plans and specifications as well as resolve situations that arise from unforeseen conditions.

Project Understanding

Sigma understands the City of Waukesha (City) is seeking qualified, experienced, and reliable construction site representation and construction management services for private development construction activities involving public infrastructure for the 2019 and 2020 construction seasons. Our staff's experience in both the construction services and the engineering and design side of all types of public and private project types including sewers, water utilities, roadways, erosion control, traffic control, parking and walkways, green infrastructure, environmental remediation, and native restoration will provide the City with a well rounded knowledge base serving as their on-site representative. Above all, Sigma understands the City is looking for a representative to serve as an extension of their staff and will work with the City to provide the CSR services as the City sees fit with effective communication and timely responses.

Sigma is committed to providing requisite services and resources for both short term and long term construction site representation projects as presented in the RFQ and outlined in Waukesha DPW Development Handbook, Section 7 Construction Management and Review. Our familiarity working with private developers will provide the City solutions with a unique perspective to solve the issues that arise with the construction of private development.



The Sigma Group Background

- Providing professional services since 1991
- Strong base of technical and field expertise
- Geographic accessibility
- Staffing respected by agencies
- Top 20 Wisconsin Engineering Firms – Business Journal 2017
- 5th Largest Milwaukee Area Environmental Consultants – Business Journal, 2017

Sigma's Construction Site Representation Approach

Sigma's approach to providing these services demonstrates our ability to provide **high level, quality construction inspection and management services** for the City at **competitive rates**, and our previous success and experience with similar construction inspection projects will be utilized in our comprehensive approach. Our success revolves around **good communication, complete understanding of the City requirements, field and design experience**, and **detailed record keeping**. Our experience with construction inspection allows us to be very reactive to day-to-day contractor operations, while being able to be proactive about asking the right construction and schedule questions to the contractor and project team. This allows the contractor and the Project to continue moving forward and minimize costly delays.

Sigma works closely with our clients to ensure that **we understand their interests and are acting as an extension of their staff**. We strive to report the construction activities clearly and consistently. Sigma staff is familiar with using inspector's Daily Reports (DRs) that we will utilize to record daily construction activities, contractor labor, contractor equipment, and completed bid item quantities. In addition to DRs, we capture work activities with **daily photos** throughout the Project.

Sigma will provide the City with multiple Construction Site Representatives (CSRs) at each of the three requested hourly rates. Each of our CSRs have inspecting experience resulting in limited training required and a more reliable field representative for the City. **Sigma proposes to provide degreed engineers and certified technicians rather than co-op students or interns unless approved for use by the City; this staffing approach provides the City a more reliable and quality service. Sigma recognizes the potential to use engineering interns and co-ops for selected assignments; when Sigma does utilize these individuals, they will be for appropriate tasks and under direct supervision by degreed engineers.** A summary of the services Sigma will provide the City are discussed below.

a) Understand and enforce the City of Waukesha Standard Construction Specifications, most recent edition.

Sigma is familiar with using municipal construction standards for construction for both inspection and site design. Sigma's site representation will have a **full understanding** of the City's standards prior to any project.

b) Attend pre-construction meetings as necessary for assigned projects.

Sigma's designated CSR for the specific project will be **available and prepared** for pre-construction meetings at the City's request.

c) The CSR will work with, report to and communicate with the City of Waukesha Engineering Tech Supervisor or Project manager. The CSR shall be equipped with a phone a survey equipment for acquiring elevations during construction.

Sigma has licensed surveyors that provide surveying services to our clients. Sigma has the necessary **surveying equipment and training** to acquire elevation information as needed. All field staff will be equipped with a cell phone to provide City staff an **easy contact** on site.

d) Review construction materials on-site to determine compliance with the City's Standard construction Specifications

Sigma will inspect construction materials delivered on-site with City standards and the approved materials list. These materials include sewer structures, aggregate types, pavement mix designs, etc. The material delivery time, quantities, installation, and inspection will be documented in the DRs.

e) Observe that improvements are installed at proper elevations and locations. Record grades and pipe inverts during construction for record drawings. Report deviations from plans to the City.

Sigma has the **proper equipment and experience** to measure and documents installed elevations and locations. Sigma has experience creating record drawings and will document the necessary information during installation to develop record drawings.

f) Be knowledgeable of concrete and soil compaction testing/sampling procedures and witness testing completed by Contractor.

Sigma will provide a CSR familiar with the testing procedures, many of whom have experience performing the tests themselves.

g) Complete and deliver completed construction Daily Reports (DRs) to Engineering Tech Supervisor or Project Manager every week.

Sigma will **maintain a daily log of activities**, labor, equipment, record completed quantities, and completed work including data used for record drawing development. The importance of proper documentation cannot be overstated. **Record keeping is essential** to good project management. DRs are an important form of communication between the construction inspector and the project team that may not be involved in the day-to-day operations of the project.

Sigma makes timely communication a priority, we will provide the City a weekly email that will provide the previous week's DR to the project team. Our communication method can be tailored at the request of the City's Engineering Tech Supervisor or Project Manager.

h) Attend project meetings held at the job site, City Engineering office, or other locations.

Sigma's designated CSR for the specific project will be **available and prepared** for project meetings at the City's request.

i) Provide one point of contact for the scheduling of work and billing questions.

Sigma will assign **one person** as the point of contact for each project to communicate with the contractor and City staff. Paul Imig, the Senior Construction Site Representative, will work with the City to determine the best CSR for each individual job.

Sigma's Relevant Construction Services Experience

Village of Whitefish Bay

Berkely Blvd. Reconstruction

Whitefish Bay, WI

Sigma provided construction inspection/contract management services for Berkeley Boulevard Roadway Reconstruction in Whitefish Bay, Wisconsin. This \$1.7 million infrastructure project took place during the 2016 construction season. This project took place on a 0.6-mile stretch of Berkeley Boulevard and consisted of the reconstruction of storm sewer (740 LF), sanitary sewer (2,730 LF), sanitary laterals (3,208 LF) and water main (219 LF), as well as replacing 45 water services.

The Village of Whitefish Bay is a very engaged community and the residents required significant communication throughout the project. This project was constructed with the citizens' best interests in mind, to ensure meeting their high quality expectations.



Sigma provided full-time construction inspection and contract management of the project which lasted the full construction season. Sigma's inspection involvement included underground utility installation oversight, completion of daily diaries, extensive photographic documentation, item quantity tracking, processing of contractor pay requests and production of as-built drawings. Sigma also managed preparation and administration of the preconstruction meeting, kick-off meeting and weekly progress meetings. In addition to regular daily activities, Sigma proactively engaged with the Village staff to ensure residents were well informed on the project, which included attendance at public information meetings.

Prior to project commencement, the Village enacted a new lead water service replacement policy that included replacement of lead services in the public right-of-way. This new policy significantly increased the amount of coordination between the Village, prime contractor, subcontractor and homeowners to match the newly installed water laterals in the ROW to the existing or recently replaced private water lateral to homes. Sigma worked seamlessly between each stakeholder to ensure satisfaction.

Wisconsin Department of Transportation

Pilgrim Road Reconstruction

Menomonee Falls, WI



Sigma provided roadway construction engineering services for 3,000 LF of Pilgrim Road, 1,200 LF of Main Street, 1,400 LF of Megal Drive/Megal Court including construction of a new roundabout, replacement of two bridges over I-41/USH 45, associated on/off-ramps, and nearby local intersections.

Construction Management | Sigma assisted WisDOT construction staff, serving as Assistant Project Leader/Structural Leader, providing contract management and construction staking, engineering and inspection services for the project. Sigma assisted with utility coordination during construction, contractor progress payments, contract change orders, training of WisDOT staff, quantity measurement, as-built preparation, and meetings/coordination during the project.

Sigma also provided inspection for the demolition of the existing bridges, extensive pile driving, structural concrete, off-site management of contaminated soils, grading, storm sewer, water main, base aggregate, concrete curb and gutter, concrete pavement, HMA paving, concrete barrier wall, Mechanically Stabilized Earth (MSE) retaining walls, beam guard, pavement marking, traffic signals, and street lighting.



Irgens (Private Developer)

The Corridor

Brookfield, WI

Sigma provided site and roadway design, construction engineering services, and design and construction staking for this 66-acre site along Bluemound Road and Interstate 94. The Corridor site is being developed as a mixed-use development including retail, office, and commercial. The first phase of the project included the construction of all the master infrastructure of the site. The site was an undeveloped farm field requiring significant infrastructure to support the planned development. In addition to developing the site, modifications were required to Bluemound and Calhoun Roads and their associated intersection.

Construction Management | Sigma provided full construction management including bid procurement, and construction staking, engineering and inspection services for the project. The project consisted of the construction of approximately 3,000 LF new asphalt roadway, 4,100 LF sanitary sewer, 3,100 LF water main, 6,300 LF storm sewer, concrete curb and gutter, concrete pavement, concrete sidewalk, street lighting, traffic signals, pavement marking, signage, landscaping, and stormwater pond construction. Sigma interfaced with the City of Brookfield during infrastructure construction.



Village of Menomonee Falls /First Industrial

First Park Menomonee Falls/Quad Graphics

Menomonee Falls, WI

First Park Menomonee Falls involved the light industrial development of an unimproved site of approximately 52 acres. The overall project involved mass grading to create four pad-ready industrial lots, two public road extensions, creation of a regional storm water management basin, traffic signalization and intersection improvements, the extension of public sanitary sewer, storm sewer and watermain into the site and the construction of the 406,000 SF Quad Graphics Distribution Center. Sigma served as the civil engineer for surveying and site work on behalf of the developer, First Industrial.



Construction Management | Sigma was contracted by the Village of Menomonee Falls to provide construction engineering services for the overall development including coordination and inspection of public roadway extensions, intersection improvements and public utility extensions. Sigma also provided construction inspection services to the developer for the build out of the Quad Graphics distribution facility.

Civil/Site Engineering | Sigma provided complete site engineering services for the overall development as well as build out of the Quad Graphics facility including preparation of erosion control plans, grading/drainage plans, earthwork calculations, public and private utility plans and storm water management facility design. Sigma was also responsible for obtaining all required approvals and permits for the site work from the appropriate regulatory agencies.

Awards | 2009 Wisconsin Builder Top Projects Award was received along with special recognition of the project team who successfully prevailed when faced with the complex environmental challenges and conditions associated with developing the project site.

Village of Shorewood

2015 Shorewood Sidewalk Program

Shorewood, Wisconsin



The Sigma Group provided construction administration and inspection for the 2015 Sidewalk Program for the Village of Shorewood. The project consisted of removal and replacement of approximately 42,000 square feet of sidewalk and driveway throughout the Village. Shorewood had previously administered its sidewalk program with a neighboring community so Sigma worked with the Public Works Director on a Project Manual and Bidding Documents to meet Village standards.

The project required significant community outreach and interaction to ensure the work was completed in a successful manner. Many of the the removals were within driveways so Sigma staff worked with Village representatives to ensure the residents were aware of schedule and progress of the ongoing project. In an effort to reduce issues during construction, Sigma documented existing conditions of all sidewalk replacement in order to reference questions or concerns from residents. This process helped reduce questions and or issues that occurred after the project was complete.



Wisconsin Department of Transportation

East-West Freeway Dousman Road Bridges and Golden Lake Bridges, I-94

Oconomowoc, WI

This \$9.3 million project included the reconstruction of bridges on 1.3 miles of I-94 in Waukesha County near Oconomowoc.

The Sigma Group's Paul Imig served as an Assistant Project Leader and Structural Lead on this project which included phased construction with multiple stages with the installation of temporary median crossovers and traffic configurations, the widening of two existing bridges with the installation of temporary bridges, the demolition and reconstruction of four bridges on I-94 over local roadways, grading, concrete pavement, storm sewer, landscaping, barrier wall, beam guard, asphalt pavement, and concrete staining.

Paul worked with the SE Freeways Backbone team to provide assistance and training to WisDOT inspection staff as well as inspection, including lead bridge inspector. He assisted in utility coordination, preparation of work orders (WAF's), and contract modifications (DIN's, CMJ's, etc).



Project Team/Fee

Sigma's team will be comprised of multiple individuals to ensure the projects successful completion. The team features **Paul Imig, P.E.**, who is the Senior Construction Site Representative and lead contact for the City; **Steve Parse, P.E.**, **Terry Meyer, P.E.**, **JT Holcombe, P.E.**, and **Taylor Placek**, who are construction site representative technicians II and will be available to serve as the construction site managers and the contact person for individual projects; and **Chris Ball, E.I.T.**, **Tim Petrofske**, and **Jake Norberte, E.I.T.**, who will serve as Construction Site Representative Technicians I and will also be able to serve as the construction site managers and the contact person for individual projects. Paul will work with the City to determine the best CSR fit for each project.

Paul's project management experience enables him to provide his clients with the appropriate amount of control over the project. He makes himself available for daily or weekly contact as the need of the project and staff requires. Throughout his career, Paul has provided a **high level of quality** to projects and instilled that into the Sigma CSR team. Paul's extensive knowledge and training background will ensure the selected CSR will be prepared for every type of job the City presents to Sigma. The focus is on **team accountability, thorough timely decision-making, and exceptional communication.**

Sigma's team is organized with the following attributes in mind:

- Quality experience with municipalities and governmental agencies.
- Familiarity of working with private developers and their approaches on projects.
- Extensive technical knowledge related to infrastructure design and construction.
- Ability to navigate environmentally sensitive areas including wetlands and floodplains.
- Become a client resources, with communication and problem-solving skills to help resolve issues

City of Waukesha
2019-2020 Private Development Consultants for Construction Site Representation



The Sigma Group, Inc.
1300 West Canal Street
Milwaukee, Wisconsin
414.643.4200

	Construction Site Representation Team	2019 Hourly Rate	2020 Hourly Rate
Senior Construction Site Representative	Paul Imig, PE Senior Engineer, Project Manager	\$100	\$100
Construction Site Representative Technician II	Steve Parse, PE, CPMSM Project Engineer	\$85	\$85
	Terry Meyer, PE Project Engineer		
	Taylor Placek Project Engineer		
	JT Holcombe, PE Project Engineer		
Construction Site Representative Technician I	Chris Ball, EIT Staff Engineer	\$70	\$70
	Tim Petrofske Senior Field Technician		
	Jake Norberte, E.I.T Staff Engineer		



Paul Imig, PE

Project Manager
15 years of experience

Certifications & Registrations:

Professional Engineer, Wisconsin No. 39433-006

WisDOT PCCTEC 1

WisDOT TMS

WisDOT AGGTEC 1

OSHA 30 Hour Construction Industry Outreach Training No. 2482566

Paul is a Senior Project Engineer responsible for construction project management, field services, surveying, and civil site and roadway engineering. He has more than 15 years' experience which includes providing services to private and public sector clients on roadway, bridge, building and underground utility construction and design projects. Paul serves as the construction services manager and is responsible for customer interfacing, coordination of construction administration and inspection field staff, and quality assurance.

Related Experience:

Construction Engineering

The Corridor (developer: Irgens), Brookfield, WI: Senior Civil Engineer participated in the roadway and utilities design and oversaw the engineering services during construction of this 66-acre mixed-use development project, including 0.5 miles of new roadways and 0.4 miles of intersection reconfigurations to Calhoun and Bluemound roads, completing necessary construction staking, erosion control reports and locating new property corners. Oversaw the completion of as-built documents.

Hidden Hills Subdivision, Sussex, WI: Lead construction inspector for 30-acre, 39 lot subdivision involving 0.6 miles of new roads, curb gutter, utilities at a construction cost of \$1.2 million.

Assistant Project Leader and Structural Lead - East-West Freeway, I-94, Dousman Road Bridges and Golden Lake Bridges, Waukesha County, WI: Provided construction oversight, inspection, materials testing, record keeping and construction cost accounting for this \$9.3 million project consisting of phased construction, multiple stages with the installation of temporary median crossovers and traffic configurations, the widening of two existing bridges with the installation of temporary bridges, the demolition and reconstruction of four bridges on I-94 over local roadways, grading, concrete pavement, storm sewer, landscaping, barrier wall, beam guard, asphalt pavement and concrete staining.

Assistant Project Leader and Structural Lead - Pilgrim Road-Park Boulevard to Megal Drive, USH 41/45 Bridges, Waukesha County, WI: Provided construction oversight, inspection, materials testing, record-keeping and construction cost accounting for \$12.6 million project consisting of phased construction, multiple stages and traffic configurations, demolition and reconstruction of two bridges over USH 41/45, watermain installation, grading, concrete pavement, curb and gutter, sidewalk, roundabout construction, storm sewer, landscaping, barrier wall, lighting and signals (including monotubes), and MSE walls.

Project Leader - N. 45th St. Bridge over Menomonee River, Milwaukee County, WI: Provided construction oversight, inspection, materials testing, record-keeping and construction cost accounting for this \$1 million project consisting of the installation of a temporary bridge, replacement of concrete deck on an existing bridge, concrete pavement approach slabs, negative pressure containment, shot blasting and repainting of existin steel girders, and removal of temporary bridge.

Project Engineer - Hank Aaron State Trail (Airline Yards, 33rd Court Bridge and Mitchell Domes Bridge), Milwaukee County, WI: Provided construction oversight, inspection, materials testing, record-keeping and construction cost accounting for \$5.2 million project consisting of mass site grading, management of asbestos-containing material, asphalt and concrete pavement and sidewalk, landscaping including native plantings, rain gardens, root stock and trees, and two prefabricated steel truss pedestrian bridges. The project is a continuation of previous Hank Aaron State Trail construction projects and extends the trail east past 27th Street and connects to the Mitchell Park Domes via bridge and new sidewalk.

Facility Services

Henry W. Maier Festival Park Facility Asset Management Inspection: Performed audit of current maintenance program, records, procedures, maintenance history, inspection of facilities/site, and provided recommendations for maintenance and capital improvements. Reviewed record system including history of maintenance activities and assessed content, organization, and protocol for record documentation. Performed physical inspection of 75-acre site to review grounds/landscaping, pavement, site lighting, security, stormwater management, utilities, conveying systems, electrical, fire protection, mechanical and plumbing systems.

Miller Park, Milwaukee, WI: Assisted Technical Advisor to coordinate bids and construction of numerous capital repair and improvement projects for site work improvements. Projects included inspection, preparation of scope of work, coordination between contractor, designer and SEWPBPD. Ongoing maintenance monitoring of Milwaukee Brewers Baseball Club including assisting with annual audit and report of the entire facility.



Steven Parse, PE, MBA, CPMSM

Project Engineer
8 years of experience

Certifications & Registrations:

Professional Engineer (PE) Licensed in New York and Pennsylvania
Certified Professional Municipal Stormwater Manager (CPMSM) – Envirocert International
National Association of Sewer Service Companies (NASSCO)
PACP
MACP
LACP

Steven is a Project Engineer with more than 8 years of experience in various engineering construction and design roles for private developers, private utility companies, local governments, and municipalities in Ohio, Pennsylvania, and Wisconsin. His diverse experience between construction, planning, and design allows for a complete understanding of the engineering process from start to finish.

Related Experience:

Municipal Engineering

York Township, York County, PA: Served as a consulting engineer for the York Township Water and Sewer Authority. Responsibilities included reviewing development plans, managing and inspecting construction projects, and advising and submitting permitting requirements on behalf of the client.

Borough of Camp Hill, PA: Served as a consulting engineering for the Borough of Camp Hill. Responsibilities included developing and managing sanitary and storm sewer inspection and rehabilitation projects, advising the client on sanitary and storm sewer system improvements, submitting permitting requirements and grant applications on behalf of the client, and managing various projects including a stream rehabilitation project during design and construction.

Conewago Township, Adams County, PA: Served as a consulting engineering for the Conewago Township. Responsibilities included developing and managing sanitary and storm sewer inspection and rehabilitation projects, advising the client on sanitary and storm sewer system improvements, submitting permitting requirements and grant applications on behalf of the client, and managing various projects including street paving and park development during design and construction.

Borough of Carlisle: Created and calibrated a working WaterCAD model for the Borough's water system. The model was used to create a 5-year water system replacement/improvement plan and a 30-year water system improvement plan. Further, the model was used to find system deficiencies and predict system operation and performance during and after proposed projects.

Grove City, PA: Created and calibrated a working WaterCAD model for the City's water system. Used the model to plan and design a new water treatment facility for the client and predict system performance for future water system expansion.

Allentown, PA: Used an existing WaterCAD to recommend future system improvements given projected growth for the Lacawanna County Authority's water system.

Utility Design Projects

City of Harrisburg, PA: Designed and managed a watermain replacement project involving the replacement of watermain at six locations for Capital Region Water.

City of Scranton, PA: Designed an approximately 1.7 miles water transmission main for American Water Company including a horizontal directional drill below I-81.

City of Toledo, OH:

- Designed a watermain replacement of approximately two miles of new main throughout five project locations.
- Designed the separation of stormwater and sewer main at multiple locations throughout the City.
- Designed and wrote a preliminary design report for a 36-million-gallon subsurface combined sewer storage basin, a new pumping station, approximately 3,000 feet of combined sewer, and the redevelopment of a park above storage basin.
- Designed an approximately 1 mile long sanitary relief sewer utilizing trenchless pipe technology.

Lucas County, OH: Designed an approximately 1,000 feet watermain extension.



Terry Meyer, PE

Project Engineer
11 years of experience

Certifications & Registrations:

WI Professional Engineer No. 44191-006
Hazardous Waste Operations and Emergency Response Certification
Asbestos in Construction Certification
National Society of Professional Engineers

Terry is a Project Engineer with more than 11 years of experience. He provides civil engineering services for a variety of commercial, industrial, and municipal clients. His areas of expertise include project management, due diligence design, erosion control, grading, paving, sewer system and stormwater management plan design, and demolition planning

Related Experience:

Greenfield Highlands, LLC, Greenfield, WI: Provided site layout plan including stormwater management plan sizing. Prepared profile drawings and technical specifications. Prepared permit applications for the project, provided review of bid documents and evaluated and approved construction product submittals.

VA Medical Center Replacing Existing Water Mains Project, Hines, IL: Completed preliminary and detailed design of four phases of water main to replacement outdated existing water main. The project consists of installing approximately 26,000 linear feet (LF) of water main, hydrants, valves, valve vaults and service laterals. Provided periodic construction inspection, attended regularly scheduled progress meetings, reviewed change order requests, reviewed and approved request for information, submittals and shop drawings and tracked outstanding items. Created detailed as-built record drawings of the second phase of construction.

VA Spinal Cord Injury and Disorders Center Milwaukee, WI: Conducted preliminary and detail design services that included erosion control, temporary sediment basins, grading plans, paving and geometrics plans, utility removal and placement plans, and typical details. Coordinated with multiple consultants and assisted in the creation of a 3D model utilizing AutoCad Civil 3D software. Created bid documents consisting of design drawings, addendums and construction bulletins. Provided periodic construction inspection as the design engineer.

William S. Middleton VA Medical Center, Clinic Expansion/PET-MRI Docking Station, Madison, WI: Project Engineer responsible for preparation of construction documents including erosion control, grading plans, paving and geometrics plans, utility plans, and typical details clinic expansion and MRI docking station project.

Southridge Apartments, Greendale, WI: Duties included civil site design, stormwater planning, storm sewer relocation, and utilities for residential development at a former automotive service location. The 8.11-acre site design consisted of a wet storm water management pond, two dry detention basins and two biofiltration basins, three residential apartment building with underground parking, underground utilities and surface parking lots. Project construction drawings included site survey, and plans for erosion control, site, grading, utilities and details.

Milwaukee County Zoo New West Entrance/Otter Exhibit, Milwaukee, WI: Executed design for stormwater management and utilities, as well as grading, erosion control, construction bulletins and permitting. Project consists of site civil engineering services for planning, design and construction of a new west entrance and otter exhibit at the Milwaukee County Zoo and new 525-space parking lot west of the Zoo.

Hank Aaron State Trail Extension, Milwaukee, WI: Provided construction oversight, inspection, and record keeping for \$1.9 million project consisting of 5.2 miles of paved trail with portions of gravel trail, grading, a prefabricated steel pedestrian bridge, wood pedestrian bridge and several road crossings. Construction oversight and administration tasks followed the WisDOT's Facilities Development Manual, Construction and Materials Manual, Standard Specifications, and Bridge Manual and utilized Department Software Field Manager, Field Information Tracking and Material Reporting System.

Milwaukee Public Schools – Clarke Street School Asphalt Playground Reconstruction Project & Kagel School Asphalt Playground Reconstruction Project, Milwaukee, WI: Performed design for two separate public schools, each having approximately size one-acre of playground reconstruction. Project included demolishing existing playground surface and underground coal bins, storm water modeling and design, playground reconstruction and layout, site grading, landscaping, milestone submittals, preparation of budget cost estimates at various stages of design, and specifications. The design drawings consisted of a site preparation and erosion control plan, pavement marking plan, grading plans, utility plans, details and storm water modeling and design plans.



Taylor Placek

Project Engineer
5 years of experience

Certifications & Registrations:

Geographic Information System Certificate (UW-Oshkosh)
Highway Technician Certification Program (WisDOT)

- AggTec I
- HMA-IPT

Taylor is a Staff Engineer providing civil and environmental services. He provides construction inspection, design and survey services for a variety of commercial, industrial, and municipal clients. His background includes construction inspection, utilizing computer aided design software for erosion control, paving, sewer system, and storm water management plan design. Taylor has experience in construction staking, topographic surveys, as-built surveys, ALTA/NSPS Land Title and CSM surveys. He has gained experience in project management duties on various projects.

Related Experience:

2016 Roadway Reconstruction Project, Whitefish Bay, WI: Conducted inspections of storm sewer and water main installation for this project. Inspected mainline, curb and gutter and sidewalk concrete pours to assure that proper slopes were met and all applicable ADA ramps were compliant with Wisconsin Department of Transportation specifications. Quantified work completed for both Elkhart Avenue and Sheffield Avenue. Assisted with writing of change orders among other project management duties.

2016 Sanitary Sewer Improvement Project, Whitefish Bay, WI: Conducted inspections for this project that consisted of the installation of sanitary sewer along Fairmont Avenue. Assisted with coordination of open trench cutting, bore pit installation and jack and boring for the duration of the project. Completed daily construction reports which include quantity tracking all pay items. Completed weekly and rain event erosion control reports for entire project.

The Corridor, Brookfield, WI: Helped manage various aspects of retail, office and mixed-use development project, including completing necessary construction staking, erosion control reports and locating new property corners. Aided in the completion of as-built documents for 66-acre site.

Woodridge Estates, Delafield, WI: Built models for use in machine control. In charge of construction staking for entire project. Completed erosion control reports throughout entirety of the project.

Summerhill West, Delafield, WI: In charge of the construction staking for this entire site. Completed erosion control reports and ensured use of best management practices. Aided in project management.

Cermak / Freshwater Plaza, 1st and Greenfield, Milwaukee, WI: Assisted with construction and pile staking, building staking and setting up point files for each of the tasks at hand for multi-use development. Performed AutoCAD design for water feature showcasing water-centric urban design.

Drexel Town Square, Oak Creek, WI: Assisted with the project management, completed construction staking and earthwork take-offs for this project. Involved in the construction staking of the addition of a wetland park immediately adjacent to east side of the jobsite.

Waukesha Gun Club, Waukesha, WI: Aided in the project management and oversaw construction staking for this project.

FBI Milwaukee Building, St. Francis, WI: Completed construction staking for this government project. Installed necessary grading models into all grading equipment on-site.

Century City, Milwaukee, WI: Aided in the survey of 86-acre development on the former A.O. Smith/Tower Automotive site in Milwaukee's industrial corridor.

The Reef, Wauwatosa, WI: Assisted in construction staking for 180-unit, seven-building residential development.

McDonalds Drive Thru, Grafton, WI: Assisted with construction staking for fast food restaurant location project.



J.T. Holcombe, PE

Project Engineer
6 years of experience

Certifications & Registrations:

Wisconsin Professional Engineer No. 46511-6
Tank-System Site Assessor, Wisconsin No. 402896
Remote Pilot – Small UAS Certificate

Mr. Holcombe is a Project Engineer providing geological and environmental engineering services for a variety of commercial, industrial, and municipal clients. His experience includes managing environmental site assessments, construction oversight, field investigations, interpreting soil and groundwater data, and developing remedial and closure strategies for sites.

Related Experience:

Field Services

Oversees environmental drilling and well installation activities at active/former petroleum storage, dry cleaner, industrial, and/or brownfield sites. Responsible for classifying soil cores and collecting soil, groundwater, and vapor samples for environmental laboratory analyses.

Cedar Creek Pre-Investigation and Remediation – Mercury Marine, Cedarburg, WI

As part of the Cedar Creek Superfund Site, oversaw contractor operations while interacting with representatives for regulatory agencies. Directed shallow soil and sediment sampling for PCB analysis along the floodplain of Cedar Creek and its associated ponds. Data collected throughout the project was used to develop and confirm the EPA approved remediation plan. Additional construction oversight and site monitoring was performed throughout the entire project. Set-up and managed perimeter air monitoring network for dust mitigation during on-land excavation and contaminated material handling. Maintained turbidity monitoring network during in-water dredging and construction activities.

Century City – Milwaukee WI

For the City of Milwaukee Century City brownfield site associated with historic industry, interacted with the WDNR, owner, and developer to create a remedial strategy aligned with the proposed site development. Managed and coordinated remedial investigation and action planning following the WDNR ch. NR 700 code.

Wisconsin Valley Technology Park – Mt. Pleasant WI

Piloted UAS to complete detailed aerial mapping of a 1000-acre site during development work. All flights conducted under Sigma's Part 107 to Title 14 Code of Federal Regulations waiver for small unmanned aircraft rules. Set ground control points with GPS survey equipment. Assisted with the processing of imagery to create a high resolution orthophoto with topography.

Methane Abatement System Installation, Various Sites

Oversaw the installation of methane abatement systems as part of the construction of commercial and municipal facilities at various sites within southeastern Wisconsin.

University of Wisconsin – Madison, Geology Department

Collected and prepared bedrock samples for cosmogenic radionuclide dating as part of an undergraduate research assistant program during the summer of 2012.



Jacob Norberte, E.I.T

Staff Engineer

Certifications & Registrations:
Engineer-in-training

Jacob provides environmental and civil engineering services for various public and private entities. His experience includes design and survey services for a variety of commercial and municipal clients, applying computer-aided design (CAD) software for erosion control, paving, sewer systems, grading analysis/design, and stormwater management design, field investigations, and completing reports for clients and regulatory agencies

Related Experience:

Phase I Environmental Site Assessments (ESAs)

Conducts Phase I ESAs for properties located in Wisconsin. Activities completed in accordance with the ASTM requirements include research of historical operations and state and municipal record databases in addition to site reconnaissance to evaluate business environmental risk.

Field Services

Sampled soil and groundwater from various contaminated sites throughout Wisconsin, performed site assessments and wrote Spill Prevention, Control, and Countermeasure (SPCC) Plans according to EPA regulations for multiple utility companies and cooperatives, and designed and drafted figures for different projects using AutoCAD as well as designing 3D visualization, contouring, and surface models using Surfer software.

Asbestos Services

Performed inspections, sampled, and wrote reports documenting asbestos materials for both in-use and abandoned buildings throughout Wisconsin.

Computer Drafting - AutoCAD Civil 3D/ Microstation/ ArcGIS

Aids the team in the drafting of concept, preliminary, and construction designs for site layouts, and grading, paving, utility, and erosion control plans for sites throughout Wisconsin. Has utilized Microstation/ArcGIS to perform drafting of construction plans related to roadway paving, sewer construction, underground conduit systems, water systems, and other mapping/drawing-related functions as required.



Chris Ball, E.I.T

Project Engineer

Certifications & Registrations:
Engineer-in-training

Chris is a Civil Project Engineer providing civil engineering and survey services for a variety of commercial, industrial and municipal clients. He has extensive experience in utilizing computer aided drafting tools for civil site design and project plan production, field construction inspection and survey services.

Related Experience:

Foxconn Development – Mount Pleasant, WI: Staff Engineer responsible for civil engineering plan production, site design, storm water management planning, and inspection coordination services for this large-scale 1,000-acre development project. Project included public roadway design, intersection design, vertical/horizontal curve design, erosion control, site grading, storm water detention/retention pond design, storm water treatment, private water main and sanitary sewer design.

Expansion of Yogi Bear’s Jellystone Park Camp Resort – Caledonia, WI: Project engineer working with team to design 100-acre camping and recreational facility expansion. Responsible for site design, grading, utility layout, storm water management, and roadway design.

Dane County Airport Taxiway B4 and B5 Construction – Madison, WI: Site Engineer for construction of two connector taxiways at Dane County Airport. Project tasks consisted of performing tests and inspection to verify construction met WisDOT Bureau of Aeronautics specs.

HSI Properties Oak Creek Development – Oak Creek, WI: New 20-acre greenfield development consisting of 11 residential multi-unit buildings and a community recreational area. Engineering design included master grading, storm water design, sanitary and water main design.

References

Contact	Services Provided
 <p>David Misky Assistant Executive Director Secretary Redevelopment Authority of the City of Milwaukee David.misky@milwaukee.gov 414-286-8682</p>	<ul style="list-style-type: none"> 2016 North bank Trail – Menomonee River bank restoration, survey, design, construction services 2016 Century City Brownfield Redevelopment - Master services engineering contract 2018 Grand Trunk Wetland Restoration – Engineering, planning, and design <p>Key Personnel: Paul Imig, Terry Meyer</p>
 <p>Judith Neu Engineer/Director of Public Works Village of Sussex jneuvillagesussex.org 262.246.5229</p>	<ul style="list-style-type: none"> 2017 Hidden Hills subdivision Construction Inspection – Grading, curb and gutter, sidewalk, and utilities <p>Key Personnel: Paul Imig, Taylor Placek</p>
 <p>Steve Kuhl Project Manager Wisconsin Department of Transportation steven.kuhl@dot.wi.gov 414-745-7569</p>	<ul style="list-style-type: none"> 2017 - Paul Imig served as an Assistant Project Leader and Structural Lead of the reconstruction of 4 bridges over I-94. <ul style="list-style-type: none"> Provided assistance and training to WisDOT inspection staff. Served as lead bridge inspector <p>Key Personnel: Paul Imig, Taylor Placek</p>
 <p>Leeann Butschlick Director of Public Works Village of Shorewood lbutschlick@villageofshorewood.org 414.847.2650</p>	<ul style="list-style-type: none"> 2014 Department of Public Works Facility Master Plan 2016 Sidewalk Program Construction Inspection 2019 Alley Replacement Project - design and construction services <p>Key Personnel: Taylor Placek, Chris Carr</p>
 <p>Whitefish Bay Wisconsin</p> <p>John Edlebeck Director of Public Works Village of Whitefish Bay j.edlebeck@wfbvillage.org 414.962.6690 x 114</p>	<ul style="list-style-type: none"> 2016 Infrastructure Projects <ul style="list-style-type: none"> Full time construction inspection and contract management for \$3.3 million infrastructure projects Lasted full construction season Included the previously referenced Berkley Blvd. Reconstruction project <p>Key Personnel: Paul Imig, Taylor Placek</p>
 <p>Jeff Chase, PE City Engineer City of Brookfield chase@ci.brookfield.wi.us 262.787.3919</p>	<ul style="list-style-type: none"> The Corridor Site and Roadway Design <ul style="list-style-type: none"> 66-acre retail, office, and mixed-use site Discovery Drive & Golf Parkway (0.5 mi) Calhoun Road & Bluemound Road (0.4 mi) <p>Key Personnel: Paul Imig, Tim Petrofske, Taylor Placek</p>