EXHIBIT A – Consultant's Proposal

Scope Overview

The Engineer will provide design and construction phase services for roadway and utility improvements to Heil Drive between Mill Street and Shull Avenue, Laura Drive between Heil Drive and Jennie Drive, North Street between High Street and Shepard Street, River Drive between James Road and Parkland Drive, and Rocky Fork Drive North between Flint Ridge Drive and Cliffview Drive. All work associated with the design and construction of these improvements shall be within public right-of-way except where necessary to tie into features (e.g., driveways, sidewalks) on an adjacent property. Before any work can commence on an adjacent property, a written right-of-entry letter must be obtained from the property owner, which will be coordinated by the City. The Engineer will provide support through the development of a draft letter and summary of work.

Two different typical section alternatives will be considered for the rebuild of North Street. The first alternative is a 32-foot-wide, curb and gutter roadway with two 11-foot-wide travel lanes, 10-foot-wide on-street parking on one side, and 5-foot-wide sidewalk on both sides. The second alternative is a 36-foot-wide, curb and gutter roadway with two 10-foot-wide travel lanes, 8-foot-wide on-street parking on both sides, and 5-foot-wide sidewalk on both sides. The rebuild of all other project locations is proposed as a 26-foot-wide, two-lane, curb and gutter roadway with 5-foot-wide sidewalk on both sides.

Except for Rocky Fork Drive North, each location will include stormwater drainage improvements, replacement of existing water main lines, and improvements to all other associated utilities (e.g., stormwater lines, drainage structures, fire hydrants, water service lines). All water mains and fire hydrant leads shall be replaced with 6 or 8-inch PVC at all project locations. In addition, all existing water lines are proposed to be abandoned in-place unless removal is required for the construction of other improvements. The stormwater improvements at Laura Drive will also include extending the public stormwater system to between properties at 145 Laura Drive and 153 Laura Drive to provide a drainage inlet. A drainage easement will be required from one or both property owners to complete the extension. The Engineer will provide real estate negotiation and acquisition services on behalf of the City.

In addition, a pipeline assessment in accordance with the National Association of Sewer Service Companies (NASSCO) Pipeline Assessment Certification Program (PACP) shall be performed for all existing stormwater and sanitary sewer lines within the right-of-way at each project location (including Rocky Fork Drive North) to determine the location, size, material, and condition of the existing lines. Cleaning, should it be necessary for inspection of the pipelines, will be completed on a linear foot price and cost for such work will be paid for under the Sewer Cleaning Allowance. Pipeline assessment for North Street will extend beyond the project limits defined above to include the area bounded by (and including) Carpenter Road in the North, Shepard Street in the East, Walnut Street in the south, Short Street in the west and North Street extending west to High

Street. All sewer utility lines and associated structures determined to be in poor condition are to be improved and/or replaced. Scope and fee for design and construction phase services for the sewer improvements will be determined as a modification to this Contract following completion of the CCTV inspections.

Scope of Services

Task 1. Site Survey and Design

a. Engineer will complete all necessary project surveying using North American Datum 1983 (NAD83) State Plane Coordinates, South Zone and North American Vertical Datum 1988 (NAVD88), South Zone. In addition to topographic survey typical for roadway and water main replacement, the limits of the public right-of-way and property boundaries shall be located and verified. A pipeline assessment in accordance with the NASSCO PACP shall be performed for all stormwater and sanitary sewer lines within the project limits. The survey shall include all features within the right-of-way, or a 60-foot wide corridor centered on the reference street, whichever is greater.
b. Engineer will obtain existing private utility information within the project area.
c. Engineer will prepare a letter for any affected property owners informing them of survey work before the beginning of fieldwork. After the City's review / approval, the Engineer will send the letter.
d. Engineer shall prepare construction drawings including, title sheet, plan and profile view, quantities, general notes, maintenance of traffic, erosion and sediment control plan, survey coordinates, specifications and miscellaneous details. These plans must meet City of Gahanna, City of Columbus Division of Water (DOW) and any applicable Ohio Environmental Protection Agency (OEPA) standards. ODOT standards will be used for BMP design.
e. The current City of Columbus Construction and Material Specifications shall be the standard specifications for this project. The Engineer will prepare any necessary supplemental specifications.
f. Engineer shall prepare an Erosion and Sediment Control Plan that will meet all City and OEPA requirements.
g. Engineer shall meet with City staff at a kick-off meeting and at 5% design, 50% design and 90% design stages. Engineer will provide written progress reports at these meetings. These reports are to include a description of work since previous meeting, anticipated work before the next meeting.
h. The 5% design deliverable shall incorporate all site survey basemapping and shall serve as the basis for the selection of the waterline alignment used for the 50% and 90% designs.
i. Engineer will provide an Engineer's Estimate of Construction Cost with the 50% and 90% design submissions. At the 50% design stage of the North Street project, separate construction cost estimates shall be prepared for roadway design per City of Columbus (COC) Standard Drawings 2110 and 2115. All other project locations the construction cost estimate shall be prepared for roadway design per City of Columbus Standard Drawing 2100. The final design shall be based on the City's selection of a preferred typical section.
j. Engineer shall submit three sets (two full-size and one half-size) of plans along with a CD containing all CAD files and a PDF of the plans with each submission (5%, 50%

and 90%). It is assumed submission of plans to the City of Columbus will not be required.

k. For the final design, Engineer will provide:
    i. one (1) mylar title sheet,
    ii. two (2) sets of all electronic files on thumb drive,
    iii. two (2) half-sized hard copy sets, and
    iv. two (2) full-size hard copy sets.

Task 2. Design Coordination and Permitting

a. Engineer shall coordinate the detailed design with all public and private utilities within the project areas.
b. Engineer shall submit plans to private utilities for their comment and coordinate any relocation of other utilities that may be necessary.
c. Engineer shall be required to prepare required permit application documents for the OEPA (excluding water line permitting, as this is assumed to be considered a maintenance project). The City will be responsible for submission of any OEPA permit applications and payment of fees.

Task 3. Real Estate Negotiation and Acquisition Services

a. Engineer shall prepare legal descriptions and exhibits for a maximum of two (2) easements for the storm sewer on properties at 145 and 153 Laura Drive.
b. Engineer shall prepare and submit warranty deeds to the County Engineer's office for review and pre-approval.
c. Engineer shall complete a title research and appraisals for properties requiring right-of-way and/or easements.
d. Engineer shall prepare and deliver offer letters to owners of properties requiring right-of-way and/or easements.
e. Engineer shall lead all real estate negotiations and closing services on behalf of the City.

Task 4. Construction Bidding and Submittal Review

a. The City will compile and issue bidding documents and any necessary addenda.
b. Engineer will assist the City with addressing questions from bidders.
c. Engineer shall develop a list of required submittals and review all submittals during construction. It is assumed a total of 10 submittal items will be reviewed. Engineer shall determine that each submittal is:
    v. accepted,
    vi. accepted as noted,
    vii. rejected, or
    viii. directed to amend and resubmit with comments.
d. The Engineer's submittal review process must be completed within fifteen (15) calendar days of receipt from the Contractor or according to an expedited review schedule mutually agreeable to the City and Engineer.

Task 5. As-Built Drawings

a. Engineer shall formally revise the plan sheets according to documentation prepared during construction (including survey coordinates obtained by the Contractor) and provide the City with two (2) hard copies and an electronic set of

final “Record Plan” drawings for review and comment. The electronic set shall be submitted as one set of PDFs and a thumb drive containing AutoCAD “Record Plan” drawings.

Task 6. Construction Phase Services

a. Submittal Review and Monitoring: The Engineer shall coordinate the Submittal review process and monitor all Submittals to support timely processing. The Engineer shall receive samples that are furnished at the site and notify the City of the availability of the samples for examination. The Engineer shall advise the City of the commencement of any portion of the Work requiring a Submittal if the Engineer believes that the Submittal has not been received from the Contractor. The Engineer will receive and log the Submittal and review the Submittal without delay for completeness.
b. Requests for Information or Interpretation (RFI): The Engineer shall review and monitor all RFI’s from the Contractor to support timely responses by the City and Engineer. It is assumed fifteen (15) total RFIs will be received and responded to. During this process, the Engineer shall:
    i. Receive from the Contractor submittal of any matters in question concerning the requirements of the Construction Contract Documents, or relating to the acceptability of the Work under the Construction Contract Documents.
    ii. Return RFI’s to the Contractor that are not valid because the requested information is within the contract documents or do not contain adequate information for a response.
    iii. Report any valid RFI to the City requesting a response.
    iv. Facilitate responses, typically within five (5) calendar days of receipt of notification. Responses may require changes to specifications and/or drawings by the Engineer.
    v. Return RFI response(s) to the Contractor.
c. Conferences and Meetings: The Engineer shall attend and participate in meetings with the City and/or Contractor, such as preconstruction conferences, monthly progress meetings, and other Project-related meetings, and distribute copies of minutes thereof (draft minutes within one week of a meeting and final minutes presented at the next meeting). Nine (9) total meetings are assumed.

Task 7. Additional Tasks and/or Meetings Deemed Necessary NOT USED

Task 8. Construction Inspection (As-Authorized Service)

a. The Engineer shall furnish a Construction Inspector (CI) to attend field meetings and/or observe the progress and quality of the Work upon the request of the City up to three (3) times. The CI shall be the City’s representative at the Site and will confer with the City. Inspection services may include verifying adherence to contract documents, preparing daily inspection reports, photo-documentation of work performed, reviewing Contractor’s applications for payment, and providing an engineering opinion to the City. Final Construction Inspection services will be determined in a future modification to this Contract and are not included in this scope.
b. Limits to the CI’s Responsibility and Liability: The activities of the CI shall not relieve the Contractor, subcontractors, suppliers, and any other entity of their obligations, duties,

and responsibilities including, but not limited to, construction means, methods, sequence, techniques or procedures necessary for performing, superintending, or coordinating the work in accordance with the Contract Documents, and any health or safety precautions required by any regulatory agency having jurisdiction.

c. The CI's inspection duties and services shall include the following:
    i. Be familiar with and knowledgeable of all Contract Documents including plans, specifications, applicable standards (e.g. AWWA, ASTM, etc.).
    ii. Prepare daily report of site activities and document work performed through site photos.
    iii. Verify adherence of construction performed to the contract documents.
    iv. Review draft applications for payment with Contractor for accuracy and compliance with contract requirements. This shall include confirmation of quantities of work completed.
    v. If an instance arises where the Contractor proceeds with work that does not conform to the contract documents, immediately notify the City and document non-compliant work on the daily report and with photos.
    vi. Verify that the Contractor is maintaining a marked-up set of redline construction documents and regularly coordinate with the Contractor to reconcile any observed differences.

Design Fee

Engineering Fee	$292,045.00
Sewer Cleaning Allowance	$10,000.00
TOTAL	**$302,045.00**

PROPOSAL

Prepared by GPD Group for the City of Gahanna

2022 Street Rebuild and Waterline Replacement Design Project

Heil Drive, Laura Drive, North Street, River Drive, and Rocky Fork Drive North

October 14, 2021

GPD GROUP®

October 14, 2021
2130181.01

D. Grant Crawford
Director of Public Service and Engineering
City of Gahanna
200 South Hamilton Road
Gahanna, Ohio 43230

2022 Street Rebuild and Waterline Replacement Design Project

Dear Mr. Crawford,

GPD Group (GPD) is pleased to provide our proposal for planning, surveying, engineering design, and construction management services in connection with your 2022 Street Rebuild and Waterline Replacement Design Project. Our experienced, multi-disciplined staff and our extensive background and expertise in waterline replacement and roadway reconstruction make GPD uniquely qualified to address the specific needs of your project. GPD will bring success to your project by:

- **Committing to you Project Manager Luke Murry, PE, to lead the team**. Luke brings 14 years of designing and managing capital improvement projects in the water and wastewater industries. He has completed waterline replacement projects directly for the City of Columbus DOW and similar communities across Central Ohio. Being closely engaged, Luke understands Gahanna's needs and preferences and will intertwine them with the design to deliver a successful project.
- **Building from past capital efforts in Gahanna** as W.E. Stilson prior to their acquisition and recent experience on water projects, proving our company's ability to address critical infrastructure needs, meet expectations within diverse stakeholder groups, and find beneficial financing alternatives. We have teamed with Fee Corp, O.R. Colan, and Stantec for sewer televising and cleaning, right-of-way and easement acquisition, and construction inspection, respectively, to reinforce our capabilities.
- **Utilizing a full-service, local team.** Our water group has recent, relevant experience on a variety of waterline replacement projects throughout Ohio, providing over $46 million worth in facility condition assessment, design, and rehabilitation projects in the past five years. Our roadway team has successfully completed 300+ infrastructure improvement projects in the last 10 years.

GPD Group is a financially solvent company with sufficient cash flows from operations to meet current, future, and ongoing financial obligations. The company currently has no term debt outstanding and has in place an available demand line of credit, if necessary. GPD's diverse portfolio of work offers the financial stability of a large company while providing the customer service of a small firm.

We appreciate your consideration of our team and look forward to discussing your project and our experience with you and your team in greater detail. Should you have any questions or require additional information, please do not hesitate to contact Project Manager Luke Murry at 614.619.4349 or lmurry@gpdgroup.com.

Sincerely,

GPD Group

Kevin Grathwol, PE
Project Principal

GPD Group

Luke Murry, PE
Project Manager

Firm History

GPD Group (GPD) is a full-service engineering firm committed to providing the highest quality engineering, architectural, and environmental services since 1961. We provide professional services for small to large, straightforward to complex projects requiring a comprehensive range of professional planning and design, systems engineering, technical assistance, program and construction management, and operations and maintenance services.

GPD offers a large, diverse professional consulting and design resource base in Ohio with 600 professionals. We maintain a robust presence in Central Ohio with more than 70 employees in our Columbus and Marion offices. Having completed multiple projects within Gahanna and the surrounding counties, our team is familiar with the area and ready to serve the City of Gahanna.

600+
GPD TEAM MEMBERS

6 OHIO OFFICES

150
SERVICE OFFERINGS

150+
WATER PROJECTS COMPLETED IN THE LAST 5 YEARS

$46M+
LARGE WATER MAIN AND VALVE REPLACEMENT DESIGN PROJECTS IN THE LAST 5 YEARS

>$600M IN LOCAL CONSTRUCTION PROJECTS

GPD GROUP®

FIRM NAME
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
dba GPD Group

YEAR ESTABLISHED
1961

ORGANIZATION TYPE
Employee Owned
since 1986

LOCAL OFFICE
1801 Watermark Drive
Suite 210
Columbus, OH 43215

PHONE NUMBER
614.210.0751

FEDERAL ID NUMBER
34-1134715

Our Water Experience

GPD has significant experience in water resource work bringing over 55 professionals dedicated to delivering planning, design, and construction services locally and throughout the country. Given our full services capabilities, we have a highly integrated water, site, public works, and transportation team experienced with executing a diverse portfolio of design services, many of which align perfectly with your projects. Our services include **bank stabilization;** ecological, stream, wetland, and floodplain restoration; **stormwater management;** storm sewer improvements; green infrastructure and low impact development; dam and flood control structure evaluation and rehabilitation; culvert and bridge rehabilitation and design; hydrologic and hydraulic modeling; landscape architecture; permitting; **potable water supply; distribution, collections**, and **conveyance**.

Teaming Partners

Fee Corp | Sewer Cleaning / CCTV

Fee Corp provides thorough and efficient environmental and industrial services in Columbus. Since 1992, their company has been utilizing some of the most advanced industrial technology to make workplaces for all types of industries clean and safe.

O.R. Colan Associates, LLC (ORC) | Easement Acquisition

ORC has provided management of land acquisition programs for public agencies since 1969, and they are recognized nationally in the field of ROW acquisition and relocation assistance. ORC has completed over 400 acquisition projects in the state of Ohio.

Stantec | Construction Inspection

Stantec, founded in 1954 with their Columbus office opening in 1968, is a company of designers, engineers, scientists, and project managers, innovating together at the intersection of community, creativity, and client relationships. The Stantec community unites more than 22,000 employees working in over 350 locations across the globe, with over 275 professionals in Ohio.

Technical Approach

Understanding of Project and Basic Scope of Services

The City of Gahanna will improve stormwater drainage, replace existing waterlines, perform condition assessment (and improvements) of existing sewers and reconstruct the roadways on Heil Drive (Mill Street to Shull Avenue), Laura Drive (Heil Drive to Jennie Drive), North Street (High Street to Shepard Street), River Drive (James Road to Parkland Drive) and Rocky Fork Drive North (Flint Ridge Drive to Cliffview Drive). Apart from North Street, the project area utilities were constructed in the late 1950s and early 1960s and are nearing the end of their useful life. The North Street utilities were constructed in the late 1930s and are also at the end of their useful life. The waterlines are generally Asbestos Cement Pipe (ACP) and could cause public health concerns if disturbed, necessitating replacement. The condition of the existing storm and sanitary sewer in the project areas is relatively unknown, and hence will be cleaned, televised and inspected in accordance with NASSCO standards. The City will follow a somewhat modified complete streets initiative while replacing the utilities. The 2020 Pavement Condition Rating (PCR) assessments show the need for significant repair of the deteriorating roadway, including new full-depth pavement, curb and gutter, and sidewalks on both sides.

Figure 1 - Rocky Fork Drive

Keys to the project design include:

1. Performing site survey, utility locating, and CCTV investigations immediately to assess all project area conditions to establish a project baseline and fully define the scope of existing storm and sanitary sewer rehabilitation and/or replacement.
2. Analyzing roadway replacement options for North Street and the results of the CCTV investigations to provide Gahanna with recommended alternatives. Utilize sewer condition assessment and rehabilitation expertise to develop improvements optimizing the use of trenchless technologies, specifically Cured-In-Place-Pipe rehabilitation.
3. Defining horizontal water and sewer alignments that avoid public and private utility conflicts and considers roadway construction and staging, access, service interruptions, and site drainage.
4. Evaluating the subsurface soil conditions with appropriate corrosivity testing (where applicable) in conjunction with due diligence borings and pavement cores. While PVC is prescribed for replacement of the existing utilities, material transitions and connections for services and hydrants could still be subjected to long term wear and corrosion.
5. Defining a detailed sequence of construction to minimize possible detrimental effects of construction equipment on maintained utilities.
6. Assisting the City with stakeholder engagement from the outset of the project, including prior to due diligence investigations such as survey through construction testing and commissioning at the project's end and identifying strict working limits to minimize disturbance to area residents.

Technical Approach to the Project

Generally, these residential project areas contain sanitary sewer outside the pavement on one side of the street and waterline on the other (typically within the roadway). The storm drainage is typically isolated catch basins and piping gathering surface (swale) runoff located outside the pavement. The typical roadway replacement would require lowering to collect and direct stormwater within the road. The design intent would be to maintain the sewer and water separation as is currently provided by designing a new storm sewer adjacent to the sanitary just inside the curb line, as detailed further in the site-specific discussions. There appears to be a few isolated tree and landscaping impacts within the right-of-way, but by and large, the roadway right-of-way is generally clear of impediments. The mostly residential setting lends itself well to a Maintenance of Traffic (MOT) plan specifying road closures (with local access only) to minimize construction duration and cost per site and provide improved safety for the project.

Existing Utilities

Generally, the utilities that are located within the project areas are concentrated outside the pavement. GPD has already contacted OUPS and will continue to coordinate with area utilities throughout design. This early coordination will reduce any future conflicts and identify any required relocation activities early in design, such that it minimizes any possible effect on the proposed schedule. The following is a summary of the area utilities.

Sewer

Existing 8-inch sanitary sewers run throughout the project areas. The sanitary sewers are located on the north side of the streets, generally outside the pavement. Sewer laterals from the properties on the south side of the streets cross the road and will be a vital consideration during design. All area sanitary sewer lateral records will need to be acquired at the outset of the project to determine their depth and any effect on waterline and roadway design. Given the fact that contractors typically complete record drawings for sewer laterals, it could be necessary to perform some isolated Subsurface Utility Excavations (SUE) work to identify depths and critical crossings. Lateral Launching completed with the CCTV investigations would also be another useful tool to gain additional information and reduce design risks.

There are existing 12 and 15-inch storm sewers in combination with localized swales, roadside ditches, and drive pipes predominantly for all the project sites, except Rocky Fork Drive North. Rocky Fork contains 12 and 15-inch storm leads crossing at the Cliffview and Flint Ridge Drive intersections, and larger trunk sewers of 21, 24 and 27-inch diameter within the project site. The overall drainage design for the Rocky Fork project site will require evaluation of the upstream tributary areas as well as localized roadway project limits that drain to these trunk sewers.

CCTV Investigations

Team member Fee Corp will perform the televising of the project area sewers (including the North and Short Street portions between Walnut Street & Carpenter Road). We recommend and have assumed cleaning in the pricing that will result in a thorough and comprehensive review of the existing sewer conditions. We will work with the City during early design to identify the final scope for cleaning and televising of the storm sewer. Since most project area roadways will be lowered to facilitate adding curb and gutter drainage, some storm sewer segments would not require investigation should they be removed by the improvements. Only area sewers scheduled to remain from a hydraulics aspect will be assessed, given the shallow depth of installation and the possibility of greater loading. All project area sanitary sewers are 8-inch diameter and will not require bypass pumping for the cleaning and televising. Upstream manholes can be plugged for the short duration of inspection.

GPD's condition assessment and rehabilitation experience will be used to develop recommendations for pipeline remediation. Should large portions of the area sewers prove to require rehabilitation, it could be advantageous to design and bid a separate contract specifically for the CIPP rehabilitation. Since these are specialized contractors, the City would most likely see project savings competitively bidding these items separately and construction timing could be completely independent as well.

Electric and Telecommunications

All project area electric is owned by AEP. The telecommunications infrastructure is owned by multiple entities (WOW, Time Warner, and AT&T, to name a few). Mostly aerial, these utilities are generally located in alleys behind the project sites or buried, except North Street. It is assumed that any buried electric or communications are outside the roadway and will be evaluated against the water main replacement design. Should they be located within the roadway, we will immediately coordinate relocation with the applicable utility owner to ensure the private relocations can be completed without affecting the overall project schedule, as any street lowering will most likely interfere with these utilities. It isn't anticipated that any buried communications lines would have been installed within the roadway, but location and depth will be confirmed during preliminary investigates. For North Street, where the electric is located above ground on poles, the design of the waterline and sewer improvements will maximize clearance of trench excavations from these pole locations as much as possible. Coordination will be completed for any areas close to power poles, with notes requiring pole "holding" or other required special consideration.

Gas

All area gas utilities are owned by Columbia Gas and are generally distribution class lines located in the right of way, outside the pavement. However, there were some locations noted, such as North Street with gas valve boxes located within the roadway. The design for all roadway replacement will consider this utility location and coordinate early in the design stage should any relocation be required to necessitate the planned improvements.

Figure 2- North Street

MOT and Sequence of Construction

The project areas appear to be confined to low levels of local traffic with no signals or specialized intersections. Therefore, it is anticipated the optimum MOT for the project(s) would be to perform road closures, open to local traffic only. If multiple intersections are present, the closure could be separated into two phases, but the number of residents affected is relatively low for all options. This will allow for cheaper and faster construction completion. It decreases safety concerns by minimizing contractor interface with the public. Waterline and other utility improvements could be completed prior to road demolition, with the only full road closure occurring during the roadway reconstruction phase. The team will consider performance specifications for work limit constraints such as main access to the community pool during the summer months. This could be completed by temporary alteration of the traffic patterns on Parkland and Orchard Drives, or the Contract Documents could specify that the improvements are to be completed in the winter months and final paving completed as soon as the asphalt plants open in the spring.

COTA and Pedestrian Travel

From a detailed visit of the project sites, it was noted that there are no COTA bus stops within or adjacent to the project areas. The only remotely close location would be on Hamilton Road a couple of blocks away from the Rocky Fork Drive North site, but the MOT and construction should not affect any services. The project areas are and appear to be very active sites for pedestrian travel, a good example being River Drive as the main access to the Gahanna community pool. Special considerations for maintaining access to the pool, commercial properties on North Street, and pedestrian access will be major considerations for the MOT.

Survey

GPD has state-of-the-art surveying equipment and the latest technology software to perform each task assigned efficiently and expeditiously. Our staff includes 15 Professional Surveyors and 20 survey crews in Ohio. Our highly trained staff has an average of over 10 years of experience in land surveying, allowing us to mitigate potential pitfalls associated with survey base map creation. Our group works efficiently through a project with the necessary foresight to identify and correct potential problems early, thereby saving down time and preventing costly rework. Our survey group is skilled in the use of GPS and survey equipment as well as many software packages, including AutoCAD, ArcGIS, and MicroStation. Services performed include, but are not limited to, ALTA / NSPS surveys, boundary surveys, construction staking, easement preparation, FAA surveys, FEMA surveys, GPS networks, hydraulic surveys, pipeline surveys, right of way surveys, subdivision platting, topographic survey, utility surveys, and volumetric surveys.

Figure 3 - Gahanna Community Pool

Our team understands the importance and power of capturing accurate data in the field and then analyzing the data to derive useful information. We use desktop GIS software along with cloud-based mobile applications to provide efficient solutions. Our staff can assist our clients with data creation and geodatabase design, spatial analysis, mobile data collection, and GPS. We can also provide training for GIS software and concepts.

GPD understands Gahanna's priority of community events. GPD will provide safe routes of transportation should events, like the Friday dinners and Sunday breakfast at the VFW 4719, Farmers Market, Summer Drive-In Series, or other events, that could occur within construction proximity.

GPD has consistently sought to maximize technology for continuous improvement of the accuracy and efficiency of the survey deliverable. All of our survey crews are equipped with Trimble robotic total stations and Trimble GPS units. In addition, we operate two Leica P40 laser scanners as a tool in our surveyor's toolbox. **We have an on-staff FAA licensed pilot and operate an advanced DJI Drone.** GPD is also ODOT prequalified for subsurface utility location (SUL). GPD utilizes our state-of-the-art geophysical locating equipment, experienced staff, and efficient processes to provide a clear picture of what lies hidden below the surface. Our SUL services include electro-magnetic (EM) designation, ground penetrating radar (GPR) scanning, GPR concrete scanning, hydro / air vacuum excavation, M-scoping, sewer camera photos and videos / assessments, SUE / SUL, one call ticket management, and survey grade mapping. This value-added capability could be used to locate existing sanitary sewer laterals, or other private utilities at the early stages of design to mitigate project delays.

Geotechnical

GPD will perform the drilling, sampling, testing, and summarize the findings and provide any design considerations in a detailed report. Our proposed approach to the geotechnical investigations is to advance a total of seven borings to 10 feet along the project alignments.

Two borings will be advanced on Heil Drive, two on Laura Drive, and one each on North Street, River Drive, and Rocky Fork Drive North. The above boring depths could be reduced if auger refusal on bedrock occurs. The boring locations will be field located by the design team. All utilities will be located via OUPS coordination, and MOT will include cones and signage. Standard penetration sampling will be performed in accordance with current A.S.T.M. standards and under the direction of our geotechnical engineer in charge of the project. The soil samples will be visually classified in the field and delivered to our laboratory. After taking water level readings and hole depth sounding, the test holes will be backfilled and pavement patched.

Engineering and Analysis Report — One of our geotechnical engineers or geologists will examine the collected soil samples, and final test boring logs will be prepared. Laboratory testing will likely consist of basic index tests to assist in identifying and evaluating soil properties. A written report of findings and recommendations, following our analysis, will be prepared by a GPD engineer, including, but not limited to, test boring logs and location plan, discussion of soil profile and subsurface conditions, and recommendations regarding installation and support for the new waterline pavement.

Coordination with DOW

GPD's project manager has an extensive understanding of the City of Columbus, Division of Water's (DOW) requirements and design standards, as well as an excellent working relationship with this group. This will allow GPD to provide a very efficient review and approval through this department, should it be needed. Since Gahanna is a master-metered community, the City of Columbus is not required to review or approve the plans, but the proposed design shall still meet all of the current DOW standards.

Permitting

Permitting and coordination with the OEPA and other entities is anticipated to be minimal for the project. The proposed project waterline improvements are considered a maintenance project and will not require plan approval.

Post-Construction Stormwater Management — GPD will evaluate all feasible options to meet the post-construction Best Management Practice (BMP) requirements. We will work closely with the City in determining an appropriate selection of BMPs, as the City will be responsible for the routine maintenance of these facilities. Non-contiguous segments of projects that are located more than ¼ mile apart can be treated as separate projects. River Drive and Rocky Fork Drive are both more than ¼ mile apart from any of the other segments. GPD does not anticipate the need for BMPs at either of these segments as the earth disturbed area (EDA) will be less than the 1-acre threshold.

Heil Drive, Laura Drive, and North Street will need to be considered as one project for the purposes of BMPs. Combined, these three segments will exceed 1 acre of EDA and will require BMP treatment. We anticipate the project will only be required to treat water quality treatment, as there will be less than one acre of new impervious area created in new permanent right-of-way. The likely option is to provide a manufactured system prior to the storm sewer outlet on one of these segments. Ideally, we can find a single location for a manufactured system that will provide enough treatment to meet the requirements of all three segments.

Services During Construction

GPD and team member Stantec will use their extensive construction administration and inspection experience to continue to support the City of Gahanna throughout construction. Stantec will provide a seasoned inspection professional to be the eyes and ears of the team in the field. The GPD project manager and construction manager will work with the City to direct construction and facilitate installation in accordance with the intent of the contract documents.

Pavement Conditions

The City of Gahanna determined a Pavement Condition Rating (PCR) for each of its roadways in 2020. Any roadway with a PCR < 75 was classified in its most critical category. The five roadway segments included in this project were all rated between 53-70, indicating advanced pavement degradation. The proposed improvements include reconstructing the existing deteriorated roadways with new full-depth pavement, curb and gutter, and sidewalks on both sides. The proposed typical section for each location will be a 26-foot wide, two-lane roadway, except for North Street. At North Street, we will also look at the feasibility of two options to incorporate on-street parking to either one or both sides.

Project Site-Specific Approach

Heil Drive (Mill Street to Shull Avenue)

Heil Drive is a 25-mph, approximately 22' wide, two-lane roadway within a residential neighborhood with numerous driveways. This segment of Heil Drive has a shoulder section, except for the of curb located on the south side between Laura Drive and Shull Avenue. There is a newer sidewalk along the south side that was constructed in 2015 as part of a Safe Routes to School (SRTS) project that provided better pedestrian access to nearby Jefferson Elementary School. GPD performed the topographic survey for the SRTS project. Drainage runoff is largely conveyed through shallow roadside swales flowing to the west. At the west end of this section, near Mill Street, catch basins collect the swale runoff into enclosed storm sewers that outlet to Big Walnut Creek to the west through a 15" sewer under Mill Street. GPD envisions the proposed roadway profile will need to be lowered approximately 6"-12" to eliminate the roadside swales and allow the adjacent

properties to drain to the proposed roadway. Drainage runoff will be conveyed in a new enclosed storm sewer system with curb and gutter inlets. We anticipate the proposed storm sewer will tie-in to the existing storm sewer at the west end of the corridor. GPD will attempt to set a profile that allows the existing sidewalk on the south side to be salvaged; however, we will not sacrifice positive drainage of the adjacent properties just to save the sidewalk.

Laura Drive (Heil Drive to Jennie Avenue)

Laura Drive is a 25-mph roadway within a residential neighborhood with numerous driveways. It is comprised of two different existing typical sections. The western half of Laura Drive is an approximately 20' wide, two-lane, shoulder roadway. There is newer sidewalk on the north side constructed as part of the previously mentioned SRTS project. The eastern half is a curbed roadway with sidewalk on both sides, which is very similar to the proposed typical section. Drainage is conveyed through a mix of roadside swales and segments of enclosed sewer with catch basins. The enclosed storm sewer turns to the west in an 18" sewer between 144 and 148 Laura Drive, and ultimately outlets to Big Walnut Creek. Within the curbed eastern section, we anticipate reconstructing the pavement at a similar profile, as this area is already set up to accommodate the proposed typical section. Within the shoulder section to the west, we envision lowering the proposed profile 6"-12" for the same reasons discussed for Heil Drive. We do not anticipate being able to salvage the SRTS sidewalk on the north side of the road as it has a smaller offset from the roadway than the Heil Drive sidewalk. Drainage will be conveyed in a new enclosed storm sewer with curb and gutter inlets. We anticipate the proposed storm sewer will utilize the existing 18" sewer between 144 and 148 Laura Drive as its outlet. The RFP indicates there is a problem low spot that collects water in the backyards of 145 and 153 Laura Drive. We anticipate adding a catch basin at this low point and extending a storm sewer back to the proposed roadway drainage system.

North Street (High Street to Shepard Street)

North Street is a 25-mph, two-lane, shoulder roadway with a mix of commercial and residential properties. The roadway pavement is approximately 20' wide with varying width gravel shoulders on both sides that are being used for on-street parking. There are some short segments of walk on the north side. This appears to be the most challenging segment of this project, as the City wishes to investigate two different wider options for the roadway typical section that incorporate on-street parking. To reduce impacts to adjacent properties, we will investigate providing sidewalk adjacent to the curb to eliminate the additional width of a treelawn. This also allows immediate access to the sidewalk for anyone that utilizes the on-street parking, so they won't have to walk through the grass. However, on the south side of the road, a treelawn may prove beneficial if it allows the improvements to avoid impacting the overhead utility poles. On the east end of this segment, there are short retaining walls along the frontage of a few adjacent properties that appear to be within the right-of-way. The roadway profile will be designed to reduce impacts to adjacent properties, but the short length (560') of this segment will limit how much the existing profile can be adjusted. It may be necessary to construct isolated retaining walls behind the sidewalk on a few of the properties to keep the improvements within the right-of-way. The corridor is graded to the west, but there does not appear to be any existing catch basins, storm sewers, or defined roadside swales. Drainage will be conveyed in a new enclosed storm sewer with curb and gutter inlets. It may be necessary to install a storm sewer to the north along Short Street to Carpenter Road to be able to tie-in to a suitable outlet.

Figure 4 - Heil Drive Pedestrian Crossing

Figure 5 - Laura Drive Intersection

Figure 6 - North Street on-street parking

River Drive (James Road to Parkland Drive)

River Drive is a 15-mph residential roadway with several driveways. It is a narrow 16’ wide, one-way, single-lane, shoulder roadway. There are no existing sidewalks along the road and the existing roadside swales are not well defined. There are catch basins on the north side of the road with a 12” storm sewer that runs the length of the roadway. This 12” sewer continues to the east towards the Gahanna Swimming Pool and ultimately outlets into Big Walnut Creek. The terrain of the adjacent properties is flatter than Heil Drive and Laura Drive. We anticipate the roadway profile will ideally be lowered 9”-12” to allow the adjacent properties to drain to the proposed roadway; however, the profile adjustment will be limited by the short length (450’) of this segment. If a particular property sits too low to drain to the proposed roadway, it will be necessary to provide yard drains at any low spots behind the sidewalk to ensure we are not trapping water. Drainage runoff will be conveyed in a new enclosed storm sewer system with curb and gutter inlets. The proposed drainage system will tie-in to the existing system at the east end of the corridor.

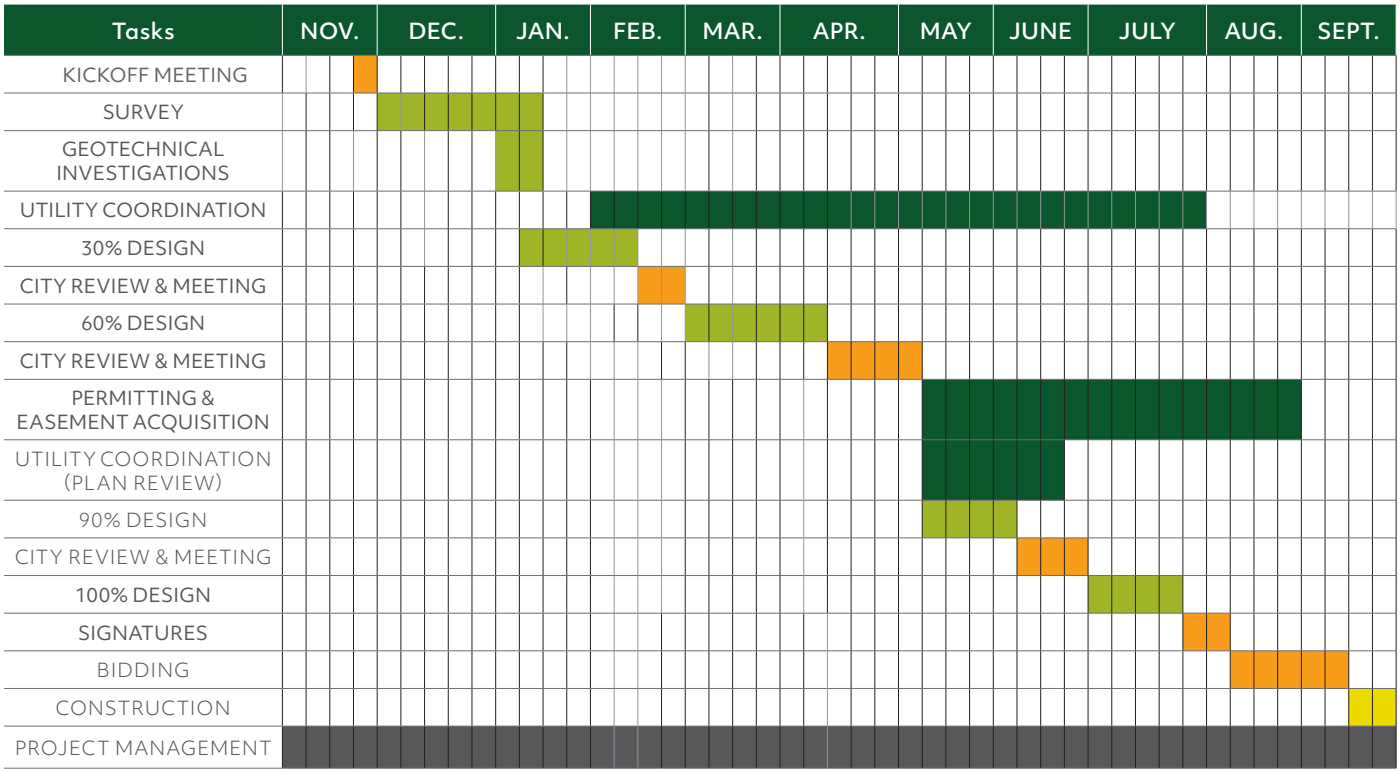
Figure 7 - River Drive Storm and Sanitary Coordination

Rocky Fork Drive North (Flint Ridge Drive to Cliffview Drive)

Rocky Fork Drive is a 25-mph, approximately 25’ wide, two-lane, curbed roadway within a residential neighborhood with numerous driveways. There are no existing sidewalks along the road. The adjacent properties are all situated higher than the roadway and are graded to drain to the roadway. A 24” storm sewer on the south side of the road runs the entire length of this section. There are existing curb inlets at Flint Ridge Drive and Cliffview Drive, but no inlets along this segment of roadway. The existing sewer continues to the west beyond the project limits and ultimately outlets into Rocky Fork Creek. It is anticipated that the existing drainage system is sufficient along this corridor, and a new storm sewer will not be necessary. GPD envisions raising the roadway profile slightly in this area to lessen impacts to the driveways and adjacent properties. The proposed walk and treelawn slope will be flatter than the existing ground on the adjacent properties, so it will be beneficial to raise the profile up to ensure that at the back of walk, the proposed elevations are close to the existing ground elevations.

Figure 8 - Rocky Fork Drive North Street Profile

Anticipated Project Schedule



Key Equipment or Resources that Assists in Performance of Work

GPD occupies 198,860 square feet of office space in our 14 offices nationwide. Our firm occupies 153,029 square feet in our six Ohio offices, with 27,212 square feet in Central Ohio. All offices are linked via high-speed network connections for maximum productivity. Our team of professionals is backed by dedicated IT support staff, network engineering, and system administration.

Equipped with the most recent advancements in computer technology relative to computer-aided design and drafting (CAD), we offer a highly collaborative work environment as well as multiple solutions for file transfer and sharing.

- High-Performance CAD workstations
- State-of-the-Art Visual Desktop Infrastructure
- Inter-Office Collaboration and Communications
- AutoDesk Design Suites
- ESRI GIS Products
- State-of-the-Art Teleconferencing
- Privately Owned, Protected Datacenter
- Server and Data Redundancy
- Geotechnical Equipment / Software
- 11 MC Miller Soil Resistivity Meter with Reel, Leads and Pins
- Caisson
- Survey Equipment / Software
- 21 Trimble TSC3 Data Collectors w/Survey Pro
- DJI Drone

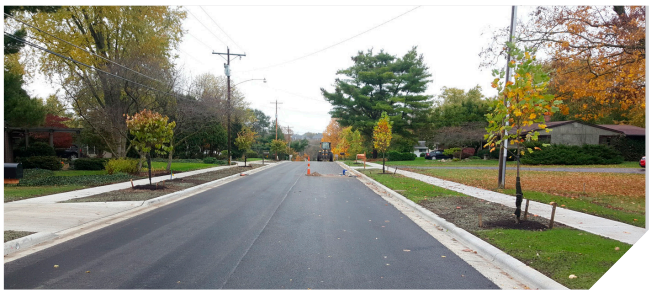
Consultants and Subconsultant's Experience on Similar Projects

Zubrod Heights Waterline, GAHANNA, OH

GPD provided preliminary engineering, detailed design and bidding services for this West Gahanna Water Improvement project. The project provided water service to approximately 20 homes on Debra Lane, Shara Park and Sandra Court within the Zubrod Heights neighborhood while connecting on either end to existing 8-inch waterlines.

Project design and construction scope included approximately 1,700 linear feet of 6-inch waterline, necessary fire hydrants and related valves and appurtenances. Additionally, this project was designed in conjunction with a sanitary sewer system serving the same neighborhood.

Mid-Century Neighborhood Street Improvements, DUBLIN, OH



This project consisted of upgrading over 5,000 lf of existing uncurbed and narrow roadways in the Mid-Century neighborhood to meet current City standards. Improvements to the five residential streets included pavement reconstruction; addition of new curb and gutter, sidewalks and storm sewer; approximately 5,000 feet of 8-inch waterline replacement; over 200 new street trees in the proposed tree lawn; and a hammerhead turnaround at the end of Franklin Street. The existing water main needed to be replaced and relocated to avoid utility conflicts, maintain proper separation from the existing sanitary sewer and maintain waterline cover requirements with the new roadway profile. GPD completed the field survey, established right of way, prepared exhibits / renderings, attended a public meeting, developed construction plans, and prepared construction cost estimates.

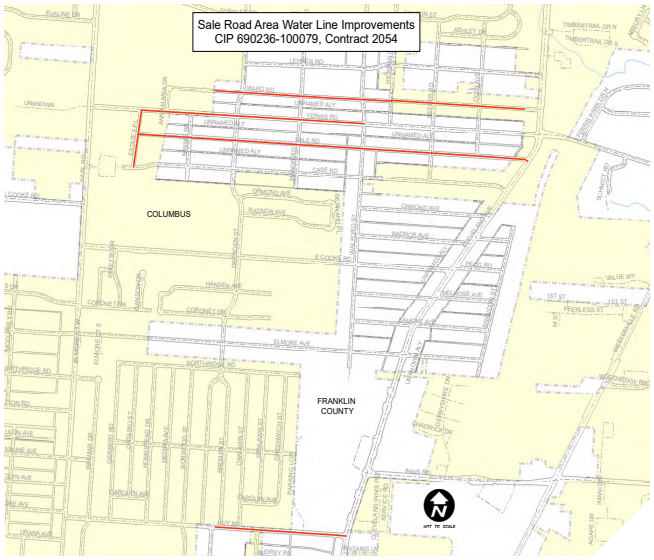
Owner: City of Dublin, Mike Sweder, PE, Civil Engineer II, 614.410.4621, msweder@dublin.oh.us

Franklin Street Improvements, HILLIARD, OH

Unlike many street projects, this improvement project was not initiated because of a vehicular safety or capacity concern. Rather, the project was identified by Hilliard City Council as one that could fill a gap in vital non-vehicular infrastructure needs, improve aesthetics, and encourage infill development in Old Hilliard. GPD was a subconsultant to Woolpert on this street reconstruction project that provided a refreshed connection between the established Old Hilliard Historic District and the new Landmark Lofts redevelopment located at Franklin Street and Cemetery Road. The existing Franklin Street was an uncurbed residential local street lacking defined parking, roadway and driveway limits. Improvements included full streetscape, roadway reconstruction complete with curbing, on-street parallel parking with permeable pavers, sidewalks, buffer area between curb and sidewalk with appropriate streetscape elements, intersection bump-outs, drainage design and stormwater management, water and sanitary utility evaluation and design, signing and pavement marking, decorative street lighting and landscaping elements. GPD provided water, sanitary, storm, and street lighting design along with utility relocation coordination and ROW plan development. A project funding assessment was also conducted.

Owner: City of Hilliard, Letty Schamp, PE, Deputy City Engineer, 614.334.2456, lschamp@hilliardohio.gov

Sale Road Area Waterline Improvements, COLUMBUS, OH



As part of the City's 2016-2017 Water Main Rehabilitation and Replacement Program, GPD designed approximately 15,900 feet of 8-inch waterline in the Sale Road area residential neighborhood. This area, located on the northeast side of Columbus, includes five streets that are located in either the city of Columbus, Clinton Township, or Franklin County. GPD completed the field survey and right of way establishment, developed preliminary / final water main design summaries / reports that determined preferred alignments for each street, conducted field and utility investigation / coordination, developed construction plans, prepared the Maintenance of Traffic for the proposed waterline alignments and prepared cost estimates with each submittal phase of the project. GPD prepared the construction plans and documents per the City of Columbus Division of Water design requirements and specifications.

Owner: City of Columbus, Dept. of Public Utilities Division of Water, Evan DiSanto, PE, Project Engineer, 614.645.7677, emdisanto@columbus.gov

Park Avenue Water Main Replacement, DELAWARE, OH

This project consisted of the design of a 12-inch waterline within the existing roadway of a residential neighborhood close to the Ohio Wesleyan University campus. The waterline replaced existing aging water main infrastructure to meet the new demand within the project area. GPD evaluated the existing water main, utility conflicts, existing service lines and connection points from existing plans, survey / field information and historical data (provided by the City). Final alignment minimized utility conflicts, while keeping the existing water main in service and limiting interruptions to the residents and surrounding businesses. The proposed waterline was designed to meet City of Delaware and City of Columbus design standards.

As part of this contract, construction administration and inspection was performed by GPD. The construction administration included bid specifications, shop drawing review, review of Request for Information (RFIs), change order review and responses. Our on-site project inspection included construction observation, daily reporting, attending and test verification. The project had a compressed schedule so that construction would not interfere with the University's school year.

Owner: City of Delaware, Perry Mickley, Utility Maintenance and Project Manager, 740.203.1904, pmickley@delawareohio.net

Livingston Avenue, Phases B and C, COLUMBUS, OH

This project consisted of a multi-phased roadway widening and reconstruction of Livingston Avenue, which is located south of downtown Columbus, Ohio. The project limits included Livingston Avenue from Ludlow Alley to Kennedy Drive.

Improvements include over 3,000 linear feet of 24-inch water main replacement and over 700 linear feet of 12-inch water main replacement in an ultra-urban setting that had numerous other utilities to contend with during development of the proposed waterline alignment and profile. The appurtenances, fire hydrants, and water services associated with the existing waterlines were also upgraded. The final waterline alignments were determined by future / existing utility locations, the proximity to the large diameter combined brick sewer located in the center of the existing roadway, utility coordination with private and public facilities, and location of the proposed duct bank. The waterline design follows the City of Columbus Division of Water design requirements and specifications and includes provisions for thrust restraints lengths, corrosion protection and cathodic protection required for large diameter waterlines (greater than 20 inches). The overall hydraulic models, which we are assisting with developing and refining on a continuous basis.

Owner: City of Columbus, Dept. of Public Service, Cristina Parady, Project Manager, Div. of Design and Construction, 614.645.5463, clparady@columbus.gov

Water Main Extension - Area 4A (Phase II), DUBLIN, OH

The project included the design of 1,925 feet of new 8-inch and 12-inch diameter ductile iron water main and appurtenances (hydrants and valves), including a jack and bore installation across Riverside Drive. The project scope also included trenchless installation of eight 3-inch diameter sleeves across Riverside Drive for future service connections. Paving improvements were included in the project design based on a 1.5-inch "mill and fill" overlay of residential streets. The design required coordination with the City's other ongoing and planned projects adjacent to this site, including water main installations and a shared-use path.

Owner: City of Dublin, Mike Sweder, PE, Civil Engineer II, 614.410.4621, msweder@dublin.oh.us

Working Relationship with Project Team

The team's organizational chart below is designed to name the single point of contact between our team and the City of Gahanna. The chart also serves to identify key task leaders who have been selected to lead specific portions of your project as well as identify our available in-house support resources, and how they will communicate with the City through our key leadership. Key resumes are provided on the following pages.

Gahanna

PROJECT PRINCIPAL

Kevin Grathwol, PE
COLUMBUS OFFICE

PROJECT MANAGER

Luke Murry, PE
COLUMBUS OFFICE

KEY PERSONNEL

WATERLINE / SEWER DESIGN

Dave Frank, PE
Waterline Design Lead
GPD - AKRON OFFICE

Jessica Looper, PE
Stormwater Management / Drainage Design Lead
GPD - COLUMBUS OFFICE

Larry Milliron
Plan Production
GPD - COLUMBUS OFFICE

Dave DiCesare, PE
Sewer Condition / Asset Management
GPD - AKRON OFFICE

ROADWAY

Lance Oldham, PE
Roadway Design Lead
GPD - COLUMBUS OFFICE

Scott Seamen, PE
Traffic Engineering
GPD - COLUMBUS OFFICE

Ashley Ford, PE
Maintenance of Traffic
GPD - AKRON OFFICE

Nate Conner
ROW Plan Development
GPD - COLUMBUS OFFICE

UTILITY COORDINATION

Lance Oldham, PE
Utility Coordination Lead
GPD - COLUMBUS OFFICE

Mike Carlton
Subsurface Utility Locating
GPD - AKRON OFFICE

SUPPORT SERVICES

Del Channels, PE
Geotechnical Lead
GPD - AKRON OFFICE

Angela Short, PLA, ASLA
Landscape Architecture
GPD - COLUMBUS OFFICE

Tim Root, PE
Construction Inspector
STANTEC- COLUMBUS OFFICE

Anna Lee Durasanti
Easement Acquisition
ORC - COLUMBUS OFFICE

Chris LeRoy, PS
Surveyor
GPD - COLUMBUS OFFICE

Don Jeffers
Sewer Cleaning and CCTV
FEE CORP - COLUMBUS OFFICE

Our full-service team is supported by over 70 staff in our Columbus office and over 650 staff company-wide that can provide support on the 2022 Street Rebuild and Waterline Replacement Design Projects.

Location of Key Staff

We provide flexibility and mobility to our Ohio clients with six offices strategically located throughout the state. The majority of the work for your project will be performed by staff from GPD's Columbus office. Please refer to the organizational chart on page 12 for specific staff office locations.

Columbus Office
1801 Watermark Drive
Suite 210
Columbus, OH 43215
614.210.0751

Headquarters
520 South Main Street
Suite 2531
Akron, OH 44311
330.572.2100

O.R. Colan
700 Taylor Road
Gahanna, OH 43230
704.944.1408

Stantec
1500 Lake Shore Drive,
Suite 100
Columbus, OH 43204
614.486.4383

Fee Corp
7995 Allen Road
Canal Winchester, OH 43110
614.362.8249

Quality of Consultant's / Subconsultant's Past Work

The proof of GPD's project success is in the number of repeat and long-term clients we retain. Many of the communities we have provided services for have awarded GPD additional work and continue to show confidence in our ability in all aspects of water engineering through continued contracts and service extensions. We also maintain a high rating for consultant services with ODOT and have been repeatedly shortlisted and awarded contracts as preferred consultants for various major and minor PDP projects. Please feel free to contact any of our references listed on Attachment D to gain an understanding of our excellent credentials with regard to quality, schedule and budget as well as overall satisfaction with our product and people.

Quality Assurance / Quality Control Process

Our quality assurance and quality control procedures are documented in the "GPD Quality Assurance and Quality Control Manual." The manual was developed as the basis for us to professionally evaluate our design prior to construction and implementation of our design solutions.

GPD's quality control function is managed by the chief engineers of the various disciplines involved under the coordination of the quality control manager. This formal system of checks and balances reviews projects at inception and at milestone intervals to assure project objectives are being met, continuity is maintained, and that the appropriate design approach has been taken.

Our quality control program addresses these key elements in meeting our clients' project requirements: cost control procedures and budget maintenance, construction feasibility, and the project schedule.

PROJECT SET-UP
- Establish Project
- Project Document Control
- Prepare Project Management Plan
- Conduct Project Kick-Off Meeting
- Coordinate Risk Management Approach

DATA ACQUISITION
- Review Information from Others
- Use of Monitoring and Measuring Devices

DELIVERABLE DEVELOPMENT
- Scheduled Activity
- Scope Directives
- Detail Check
- Statement of Limitations
- Changing the Work Product

DELIVERABLE REVIEW
- Reviews
- Internal Quality Audits
- Corrective and Preventive Actions

SUBMITTAL TO CLIENT
- QA/QC Report
- Resolution of Comments

PROJECT CLOSEOUT
- Lessons Learned
- Marketing Update
- Accounting Closeout

Consultant's / Subconsultant's Ability to Meet Project Schedule

At GPD, making resources available for your project is a matter of scheduling. We always have multiple active projects, company-wide in various stages; however, you can be assured that **the key personnel identified in the submittal will be immediately available to respond and provide the professional services requested for this project**. These key staff members will be available for the performance of the project, for the total life of the project. We are confident we have the skills, tools and expertise to successfully complete the design within the desired schedule. GPD has a long, successful history of completing projects on time and within budget.

Project Schedule

For this specific project, keeping everything on schedule is a team effort and is only accomplished when all members work together. This begins at the project kick-off meeting, where all team members are given a detailed schedule and project plan. All activities are scheduled for the entire project and regular updates to the schedule are disseminated throughout the team at weekly meetings. In addition to team meetings, at GPD, our water group managers meet every other week to plan and coordinate resourcing to ensure every project has the resources and expertise necessary to complete within the schedule. As you can see from our schedule presented on page nine, we also present very little "down" time, continually advancing the design, even strategically during review times, which allows us to confidently state we will complete the design ahead of schedule and meet the needs of the City of Gahanna.

Consultant's / Subconsultant's Success in Controlling Project Costs

GPD maintains a database of actual bids from contractors on our projects to track cost trends for different types of work. Based upon the substantial volume of information in this database, we are adept at estimating projected bids and understand deviations in likely bids received due to location, time of year, overall contractor capacity, etc.

The following table highlights a few of our past projects and their estimated costs and low bids. As you can see, our average actual construction cost is 9% under our estimated cost. Thus, the City can be assured of a quality project, delivered on time and on budget.

CLIENT / PROJECT	ESTIMATED COST	LOW BID		COMPLETED
City of Dublin				
2021 Street Maintenance Program Phase I	$3,489,066	$3,114,482		On Time
2021 Street Maintenance Program Phase II	$3,547,823	$3,379,050		On Time
2020 Street Maintenance Program, Phase I	$2,770,098	$2,266,142		On Time
2020 Street Maintenance Program, Phase II	$2,905,119	$2,474,446		On Time
2017 Tunnel Improvements	$184,921	$198,782		On Time
Brand Road / Coffman Road Roundabout	$1,529,314	$1,347,073		On Time
SR 161 / Eiterman Road Roundabout	$2,430,552	$2,397,440		On Time
University Boulevard, Ph. 1, Roadway Extension	$844,360	$812,300		On Time
City of Columbus				
Sale Road Area Waterline Improvements	$4,089,965	$4,088,753		On Time
Central Avenue Storm Sewer Improvement	$1,316,562	$1,082,925		On Time
West Franklinton Sewer Improvement	$566,870	$699,910		On Time
Franklin County Engineer				
Alkire Road / Darby Creek Drive Roundabout	$2,371,559	$2,217,429		On Time
City of Steubenville				
Labelle Avenue Water Main Replacement	$147,749	$86,712		On Time
City of Mt. Vernon				
Venture Drive Water Main Extension	$229,194	$118,425		On Time
North Sandusky Street Utility Improvements Ph. 1	$595,047	$463,196		
Total estimated costs	**$30,645,674**			
Total actual construction costs		**$18,253,533**		
Actual cost as a % of estimated costs			**-9.2%**	

Project Manager's Ability to Coordinate Project Activities

Luke Murry is experienced in designing and managing capital improvement projects in the water industry. He has extensive experience managing water distribution design, as well as multidisciplinary large-scale and treatment projects, which proves to be a perfect blend of the skills needed for this project. His knowledge of central Ohio water distribution allows us to know exactly what is required for the coordination and approval of plans. It also comes with a familiarity with area private utilities and contractors, allowing for quicker responses and good working relationships. Luke's experience working on large-scale, multidisciplinary projects provides the experience and knowledge to manage all the moving pieces, from subcontractors to support services. This multidisciplinary treatment plant design management experience proves his ability to manage project activities internally within the team effectively. Projects such as the Big Walnut Sanitary Trunk Sewer Extension, Phase 2 which included 10+ subconsultants, coordination with numerous federal, state, and local entities, residents, and other area design projects, assure the City of Luke's ability to effectively coordinate project activities externally as well. Luke is excited for the opportunity to lend this expertise to the City of Gahanna on this project.

Consultant's / Subconsultant's Ability to Communicate Effectively with Agency

Over the years, GPD has cultivated extensive experience planning, designing, and following through the submittal process for many local, state, and federal governing agencies. We have also worked with various Central Ohio municipalities, including the Cities of Columbus, Dublin, Hilliard, Westerville, Grandview Heights, and Pickerington, to name a few.

City of Columbus, Department of Public Utilities

GPD has a long history of working with all the divisions making up the City of Columbus, DPU. We have successfully coordinated numerous projects with the Divisions of Power, Water, and Sewerage & Drainage. We know all their standards and have great working relationships that allow for efficient plan review and approval.

Stormwater Management

Many of our projects include aspects of stormwater management, either for general site improvements, linear improvements, green infrastructure, water quality control, or waterway-related. Our team includes certified floodplain managers and hydraulic experts to address any and all stormwater management needs. We routinely coordinate with the Ohio EPA for general stormwater permits; FEMA Region V for floodplain and floodway impacts; and ODNR, USFWS, USACE for ecological impacts and nationwide permitting.

Ohio Environmental Protection Agency

Although not anticipated for the City's particular undertaking, our water and wastewater professionals regularly coordinate and secure NPDES and PTI permits when water and sewer infrastructure improvements are needed. Additionally, we overcome funding gaps to address these types of critical infrastructure with the agency through their Department of Environmental Financial Assistance (DEFA).

Project Manager's Experience on Similar Projects

Lucas Murry, PE

PROJECT MANAGER

Luke has 14 years of experience designing and managing capital improvement projects in the water and wastewater industries. His diverse project design and management experience include project development and funding, detailed design, construction and much more. In addition, Luke provides knowledge and skill in permitting, CIP prioritization studies, sanitary sewer rehabilitation, trenchless technologies, water and wastewater treatment plant expansion and upgrades, water distribution, construction administration, and technical representation during construction through the project experience listed below.

AREAS OF EXPERTISE

Water / Wastewater Engineering, Hydraulic / Pneumatic, Inspection and Rehabilitation Design, Sanitary and Storm Sewer Design, Water Main Design, Water / Wastewater Treatment Facilities, Water Distribution, CIP Prioritization, Construction Administration

YEARS OF EXPERIENCE

14 Total Years

REGISTRATION / CREDENTIALS

Registered Professional Engineer, State of Ohio, 2011

Pipeline Assessment & Certification Program, NASSCO, 2012

EDUCATION

Bachelor of Science, Civil Engineering, 2007, The Ohio State University

PROFESSIONAL AFFILIATIONS

Chair, Membership Committee, Ohio Section (AWWA), American Water Works Association

Governing Board Member Ohio Section, AWWA

REPRESENTATIVE EXPERIENCE

ASR – Hudson Street – I-71 to Cleveland Ave, Columbus, OH
In conjunction with a roadway design project, this project involved the design of approximately 9,000 lf of 16- and 24-inch water main and appurtenances. The project is in an urban area that includes multiple utility crossings within a narrow right-of-way. Luke served as the water transmission main project manager responsible for leading all aspects of the transmission main design, including ensuring continued water service, coordinating with various government entities, alternative pipe materials and construction and more.

Union Avenue Area Waterline Improvements, Columbus, OH
The project included the design of approximately 13,000 lf of 6- and 8-inch ductile iron waterlines. As project manager, Luke was responsible for managing the development of design documents, maintaining the project schedule, client coordination, project billing and administration, and all aspects of design review.

Dublin Road 30-inch Waterline Improvements, Columbus, OH
The purpose of this project was to remove an existing water transmission system bottleneck and provide increased service potential for the ever-expanding suburban communities in the northeast portion of Franklin County. The project included the design of over two miles of new 30-inch waterline, including design of alternative alignments and pipe materials, OEPA and USACE coordination and permitting, and cathodic protection and corrosion monitoring systems.

Alum Creek Drive Widening – FRA-C.R. 122-4.14, Columbus, OH
In conjunction with a roadway design project, this project involved the design of approximately 11,000 lf of 30- inch, 2,700 lf of 24-inch, 16-inch, 12-inch 8-inch, and 6- inch water main and appurtenances. The project is in an urban area that includes multiple utility crossings within a narrow right-of-way. Luke served as the water main team lead responsible for managing all aspects of design including water main layout, plan preparation, calculations, construction cost estimate and coordinating various government entities (Village of Obetz, City of Columbus DOPW & DOSD, Franklin County and ODOT).

Deland Zeller Area Sewer Improvements, Columbus, OH
The purpose of this project was to investigate and rehabilitate 16,835 linear feet of 8 inch diameter sanitary sewer pipe within the Clintonville area. Luke was heavily involved in the construction phase of the CIPP lining project. As a member of the design team he has worked closely with the City of Columbus performing shop drawing reviews, RFIs, and plan revisions.

Key Task Managers' Experience on Similar Projects

Kevin Grathwol, PE

PROJECT PRINCIPAL

Kevin Grathwol has 33 years of experience in civil engineering and construction, and currently serves as Director of Public Works in our Columbus office. In this role, he is responsible for the growth of our Central Ohio practice, development and mentoring of staff, municipal client development and maintenance, and oversight of our QA/QC process. Kevin has designed and managed preliminary engineering and final design efforts of varying complexity for many types of transportation projects including two-lane rural highways, dense urban corridors, interstate highways, signalized / unsignalized intersections, modern roundabouts, interchange reconfigurations, etc. He is also responsible for direction and oversight of transportation design services and the development of project scopes of services. Kevin provides review services during plan development, manages project schedules and budgets, prepares and/or reviews construction cost estimates, and coordinates work efforts with other engineering design staff and subconsultants. Additionally, he coordinates, prepares exhibits, and participates in numerous public involvement meetings and is very adept at discussing project details to a level that the public can understand.

AREAS OF EXPERTISE

Civil Engineering, Transportation Engineering, Roadway Design and Geometrics, Mobility Improvements, MOT Plan Development, Plan Review, Alternative Analysis, Constructability Review, Cost Estimating, Construction Engineering, Public Involvement

YEARS OF EXPERIENCE

33 Total Years

REGISTRATION / CREDENTIALS

Registered Professional Engineer, State of Ohio, 1994

EDUCATION

Bachelor of Science, Civil Engineering, 1988
The Ohio State University

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

American Society of Highway Engineers

REPRESENTATIVE EXPERIENCE

- FRA-317-18.11 Intersection Safety Improvements, Gahanna, OH
- Brooksedge Mobility Improvements, Phase 1, Westerville, OH
- GES Traffic Engineering, Westerville, OH
- Westerville Reservoir Bank Stabilization, Westerville, OH
- Livingston Avenue, Phases B & C, Columbus, OH
- Franklinton Loop - Souder Avenue Connector, Columbus, OH
- Goodale Boulevard Improvements, Grandview Heights, OH
- Georgesville Road and Holt Road Improvements, Columbus, OH
- Blueprint Livingston James 5, Columbus, OH
- Neil Avenue Traffic Signals, Columbus, OH
- Lehman Road Bridge Replacement, Columbus, OH
- Mid-Century Neighborhood Street Improvements, Dublin, OH
- River Forest Storm and Roadway Improvements, Dublin, OH
- Sale Road Waterline Replacement, Columbus, OH
- Historic District Pedestrian Enhancements & Indian Run Parking Lot Improvements, Dublin, OH
- Brand Road / Muirfield Drive, Multi-Use Path, Dublin, OH
- Summit View Road Shared-Use Path, Dublin, OH
- Scioto High School Shared-Use Path, Dublin, OH
- SR 161 / Cosgray Road Roundabout, Dublin, OH
- SR 161 and Eiterman Road Roundabout, Dublin, OH
- 2017 Tunnel Improvements, Dublin, OH
- Refugee Road / Stonecreek Drive, Intersection Improvements, Pickerington, OH
- 2019 and 2020 Streets Program, Pataskala, OH
- KNO-SR13-11.71, Mount Vernon, OH
- 2019, 2020, 2021 Street Maintenance Program, Dublin, OH
- Universal Road, Roadway Reconstruction, Columbus, Ohio
- Park Avenue Water Main Replacement, Delaware, OH

Dave Frank, PE

WATERLINE DESIGN LEAD

GPD GROUP

As a Project Engineer for GPD's Water Practice, Dave Frank is highly effective in assisting in a broad range of municipal engineering projects. In his 15 years of experience, Dave has designed and/or provided design assistance on sanitary sewers, storm sewers, water mains, and water and wastewater treatment facilities. Having designed dozens of pump station projects throughout Ohio, Dave focuses his efforts on efficiency and reliability. His experience also includes plan reviews, roadway rehabilitation projects and Ohio EPA permitting.

AREAS OF EXPERTISE

Sanitary and Storm Sewers, Water Mains, Water and Wastewater Treatment Facilities, Roadway Engineering

YEARS OF EXPERIENCE

15 Total Years

REGISTRATION / CREDENTIALS

Registered Professional Engineer, State of Ohio, 2011

EDUCATION

Bachelor of Science, Civil Engineering, 2005, The University of Akron

CERTIFICATIONS

Certified Professional in Erosion and Sediment Control, 2009

REPRESENTATIVE EXPERIENCE

- Water Main Extension - Area 4A (Phase II), Dublin OH
- Sanitary Sewer Extensions – Areas 4A, 10C & 10D, Dublin, OH
- Sale Road Area Waterline Improvements, Columbus, OH
- Renninger Road Sanitary Sewer DSSS Project, New Franklin, OH
- Center Street (SR 3) Waterline, Seville, OH
- North and South Sandusky Street Sanitary Sewer and Waterline Replacement, Mount Vernon, OH
- Richfield Heights Subdivision Waterline, Richfield Heights, OH
- Horseshoe Drive Waterline, Monroeville, OH
- LaRue Vine Street Waterline, Marion, OH
- Lakeshore Boulevard, Waterline Improvements, Lake and Cuyahoga Counties, OH
- Bainbridge Waterline Loop, Geauga, OH
- Broad and College Waterline, Wadsworth, OH
- Five Points Pumping Station, Mahoning County, OH
- Funderburg Road, Water Main Replacement, Fairborn, OH
- Mud Run Storage Basin, Akron, OH
- Prospect Street, Reconstruction, Mogadore, OH
- Curtis Avenue, Rehabilitation, Mogadore, OH
- Water Treatment Plant, Well Field and Elevated Storage Upgrade Study, East Sparta, OH
- East Alliance, Sanitary Sewer Extension, Phases 1-3, Mahoning County, OH
- Safety Services Center, Montville Township, OH
- Marion Avenue, Reconstruction, Mogadore, OH
- Virgil, Eleanor and Charles Street, Reconstruction, Mogadore, Ohio
- Water Treatment Plant Upgrades, Akron, OH
- Wastewater Treatment Plant, UV Disinfection, Bedford, OH
- Howard Storage Basin (CSO Rack 22), Akron, OH
- Portage County WWTP CIP, Portage County, OH
- Primary Road Fire and Domestic Waterline Improvements, Cleveland, OH
- SCSE, Beacon Hills Pump Station and Forcemain, Stark County, OH
- Heather Lane Waterline Extension, Hudson, OH
- Water Tower Replacement, LaRue, OH
- South Ridge Road Waterline Replacement, Lake County, OH

Jessica Looper, PE

STORMWATER MANAGEMENT / DRAINAGE DESIGN LEAD

GPD GROUP

Jessica Looper's career has focused on innovative approaches to building community resiliency to major storm and waterway disasters. With 9 years of experience, she excels in project planning, design, and construction. Throughout her career, her projects maximize nature-based approaches as a means to protect valuable infrastructure. Her repertoire includes flood mitigation, disaster relief, waterway access stormwater, park infrastructure, ecological habitat uplift, and coastal resiliency projects. Her experience includes the protection of wetlands, stream corridors, and parks along with projects regarding the implementation of green infrastructure as a means for addressing stormwater issues.

AREAS OF EXPERTISE

Stormwater Management, Drainage Improvements, Project Planning, Regulatory Compliance, Water Supply and Distribution, Construction Management

YEARS OF EXPERIENCE

9 Total Years

REGISTRATION / CREDENTIALS

Registered Professional Engineer, State of Ohio, 2019

EDUCATION

Master of Science, Civil Engineering, 2013, Auburn University

Bachelor of Science, Civil Engineering, 2010, Auburn University

PROFESSIONAL AFFILIATIONS

Engineers Without Borders

Friends of the Lower Olentangy Watershed (FLOW), Science Committee

REPRESENTATIVE EXPERIENCE

- Sanitary Sewer Extensions – Areas 4A, 10C & 10D, Dublin, OH
- West Franklinton Sewer Improvement, Columbus, OH
- Blueprint Livingston James 5 - Thurston / Grimsby Integrated Solutions & Storm Sewer Improvements, Columbus, OH
- Blueprint Clintonville, Linden, Hilltop, and West Franklinton (Green/Glenwood), Columbus, OH
- DCRSD Alum Creek WRF Process Improvements, Lewis Center, OH
- NEORSD, West Creek Stabilization, Brooklyn Heights, OH
- Lake Metroparks, Painesville Township Park and Stormwater Improvements, Painesville, OH
- MWCD, Seneca Lake Park Marina Point Campground Redevelopment Project, Senecaville, OH
- Westerville Reservoir Bank Stabilization, Westerville, OH
- MWCD, Piedmont Marina Improvements, Senecaville, OH
- Water Main Replacement and Extension, Streetsboro, OH
- Gorge Dam Removal and Restoration, Akron, OH
- Terrace Villa Sanitary Sewer, Montgomery County, OH
- RiverReach, Adams Run Stream Restoration, Akron, OH
- Sunny Lake Dam Replacement, Aurora, OH
- Emerald Fields Bike Track BMP, Dublin, OH
- Preliminary Engineering Mahoning River Dam Removal, Youngstown, OH
- Ohio River Sediment Survey, Union County, OH
- RiverReach, Struthers Dam Removal, Struthers, OH
- Anne Arundel County Dept. of Public Works (DPW), Discovery Village Boat Launch Facility and Stormwater Improvements, Shady Side, MD
- Ulmstead Club Shoreline Stabilization and Stormwater Improvements, Arnold, MD
- Anne Arundel County Dept. of Public Works (DPW), Solley Cove Boat Launch Facility and Stormwater Improvements, Curtis Bay, MD
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Larry Milliron

PLAN PRODUCTION

Larry Milliron has 34 years of experience in roadway design and plan development. As a senior designer, he is responsible for developing transportation construction plans. He also provides support towards the development of right of way plans. Larry is knowledgeable regarding a variety of major engineering software packages, including MicroStation / GEOPAK, and AutoCAD / Civil 3D. This versatility and knowledge is instrumental in the automation of roadway design components and the development of survey base mapping.

Larry has experience implementing and directing technical staff on standard requirements, current innovations in software, and any particulars of plan preparation related to computer-aided drafting and design (CADD). With a strong background in structural plan development, he also provides technical support for bridge projects.

AREAS OF EXPERTISE

Roadway Design, Plan Development, Structural Development Software

YEARS OF EXPERIENCE

34 Total Years

EDUCATION

Associates of Science, Civil Engineering Technology, 1990, Columbus State Community College

REPRESENTATIVE EXPERIENCE

- Traffic On-Call Services, Gahanna, OH
- Water Main Extension - Area 4A (Phase II), Dublin OH
- Livingston Avenue Phase C, Columbus, OH
- Dublin Road / Glick Road, Intersection Improvements, Dublin, OH
- Brand Road / Muirfield Drive, Multi-Use Path, Dublin, Ohio
- Brand Road / Coffman Road Roundabout, Dublin, OH
- Historic District Pedestrian Enhancements and Indian Run Parking Lot Improvements, Dublin, OH
- SR-161 and Eiterman Road Intersection, Dublin, OH
- Academic Drive, Phase 1, Dublin, OH
- Neil Avenue, Traffic Signals, Columbus, OH
- Alkire Road at Darby Creek Drive, Columbus, OH
- Georgesville Road / Holt Road, Traffic Safety Study, Columbus, OH
- Refugee Road-Stonecreek Drive, Intersection Improvements, Pickerington, OH
- Harry Sauner Road Improvements, Hillsboro, OH
- The Point RR Bridge, Delaware, OH
- Coonpath Road Safety Study, Lancaster, OH
- DEL-CR9 (TR127), Delaware County, OH
- FAI-256-0.50, Pickerington, OH
- FAI-TR222 Long Road, SRTS, Pickerington, OH
- Gibson Road Improvements, Phase 2, Scioto Township, OH
- Anson Drive Extension to Trueman Boulevard, Hilliard, OH
- JEF-Lovers Lane / Ft. Steuben Drive, Steubenville, OH
- On-Call Services, Pickerington, OH
- ODOT, District 4, TRU-80-1.68, Warren, OH
- ODOT, District 5, LIC-62-5.17, Intersection Improvements, Johnstown, OH
- Valleyview Drive Corridor, Pedestrian Safety Improvements and Sidewalks, Columbus, OH
- Milford Avenue and Maple Street, Intersection Improvements, Marysville, OH
- Concord Road, Phase I Reconstruction, Johnstown, OH

David DiCesare, PE

SEWER CONDITION ASSESSMENT / ASSET MANAGEMENT

GPD GROUP

David DiCesare brings nine years of civil engineering experience to GPD's Water Practice. He is responsible for integrating GIS utility database information with ongoing projects, inspecting wastewater and stormwater infrastructure, asset management, field services representation for sewer cleaning and inspection contracts, assisting with municipal CMOM tasks, developing and implementing sewer system decision models, overseeing technical plan production, contract document management, and Primavera P6 scheduling.

AREAS OF EXPERTISE

Project Management, Water / Wastewater Engineering and Design, Field Services Representation, Reporting, Client Communication

YEARS OF EXPERIENCE

9 Total Years

REGISTRATION / CREDENTIALS

Registered Professional Engineer, State of Ohio, 2014

NASSCO, Pipeline Assessment Certification Program (PACP), 2012

NASSCO, Manhole Assessment Certification Program (MACP) and Lateral Assessment Certification Program (LACP), 2016

Permit Required Confined Space Entry Training, 2012

EDUCATION

Master of Science, Civil Engineering, 2015, The University of Akron

Bachelor of Science, Civil Engineering, 2011, The University of Akron

REPRESENTATIVE EXPERIENCE

- Woolpert CIP T-138, Franklin Street Improvements, Hilliard, OH
- 2019 Infiltration and Inflow Corrective Action Plan, Pataskala, OH
- Blueprint Livingston James 5 - Thurston / Grimsby Integrated Solutions & Storm Sewer Improvements, Columbus, OH
- Renninger Road Sanitary Sewer DSSS Project, New Franklin, OH
- Consent Decree Program Management, Euclid, OH
- Water Tower Replacement, La Rue, OH
- Huntington SSO Project, Shaker Heights, OH
- Fernway Sanitary Sewer Overflow Project, Shaker Heights, OH
- Cleveland Water Pollution Control, Sewer Assessment Project, Cleveland, OH
- Bolivar Water Meter Project, Bolivar, OH
- Richfield Heights Waterline Extension, Richfield, OH
- Richfield Heights Waterline Extension, Richfield, OH
- FirstEnergy, Miles Service Center Drainage Study, Cleveland, OH
- Portland Way (CRA-598) Widening, Galion, OH
- Water Pollution Control Capital Improvement Program Management Services, Cleveland, OH
- Front Street Waterline Replacement Project, Youngstown, OH
- WWTP Plants A and B SWPPP, North Royalton, OH
- Mill Creek Interceptor, Local Sewer System Evaluation Study, Cleveland, OH
- NEORSD, CRS SWMP Study, Cleveland, OH
- NEORSD, CRN SWMP Study, multiple locations in Cuyahoga County, OH
- CSO Rack 22, Howard Storage Basin, Akron, OH
- CSO Rack 3, Kelly Avenue Conveyance, Akron, OH
- Rack 36, Merriman Separation - Green Project, Akron, OH

Lance Oldham, PE

ROADWAY DESIGN LEAD / UTILITY COORDINATION LEAD

GPD GROUP

Lance Oldham has 21 years of experience in civil engineering and is highly skilled in roadway and drainage design. As the project manager and/or lead project engineer for numerous municipal improvement projects, he is experienced in all facets of plan preparation, including roadway geometrics, superelevation, typical sections, cross sections, ADA-compliant ramps and sidewalks, drainage, and signing and pavement marking design. Lance has also assisted with the preparation of various planning studies and has been involved in traffic signalization and street lighting projects. He is responsible for design, plan review, managing project schedules and budgets, preparing construction cost estimates, and coordinating with design staff and subconsultants.

AREAS OF EXPERTISE

Civil Engineering, Drainage Design, Utility Design, Roadway Design and Geometries, Maintenance of Traffic, ADA-Complaint Curb Ramp Design, Constructability Review, Cost Estimating, Public Involvement

YEARS OF EXPERIENCE

21 Total Years

REGISTRATION / CREDENTIALS

Registered Professional Engineer, State of Ohio, 2004

EDUCATION

Bachelor of Science, Civil Engineering, Cum Laude, 2000
The University of Dayton

PROFESSIONAL AFFILIATIONS

American Society of Highway Engineers

REPRESENTATIVE EXPERIENCE

- FRA-317-18.11 Intersection Safety Improvements, Gahanna, OH
- US 62 Roadway Improvements, Gahanna, OH
- Hamilton Road & Clark State Road Intersection Improvements, Gahanna, OH
- Taylor Station Road and Claycraft Road Intersection Improvements, Gahanna, OH
- North High Street Improvements, Gahanna, OH
- Woolpert, CIP T-138 Franklin, Hillard, OH
- Sale Road Waterline Replacement, Columbus, OH
- Livingston Avenue Phase B and C, Columbus, OH
- Venture Drive Water Main Extension, Mount Vernon, OH
- Labelle Water Main, Stubenville, OH
- Park Avenue Water Main Replacement, Delaware, OH
- Sanitary Sewer Extensions – Areas 4A, 10C and 10D, Dublin, OH
- Licking County, Sanitary Sewer Improvements, Jacksontown, OH
- North and South Sandusky Street Sanitary Sewer and Waterline Replacement, Mount Vernon, OH
- Mid-Century Neighborhood Street Improvements, Dublin, OH
- River Forest Storm and Roadway Improvements, Dublin, OH
- 2019-2021 Street Maintenance Program, Dublin, OH
- Historic District Pedestrian Enhancements & Indian Run Parking Lot Improvements, Dublin, OH
- Dublin Road / Glick Road, Intersection Improvements, Dublin, OH
- Scioto High School Shared-Use Path, Dublin, OH
- Emerald Parkway and Innovation Drive, Intersection Improvements, Dublin, OH
- Brand Road / Coffman Road Roundabout, Dublin, OH
- Muirfield Drive and Memorial Drive Alternative Analysis, Dublin, OH
- Polaris Parkway Pedestrian Signal Improvements, Westerville, OH
- North Spring / Towers Trail RRFB Westerville, OH
- Venture Drive Water Main Extension, Mount Vernon, OH
- GES Plan Review, Hilliard, OH
- 2019-2020 Streets Program, Pataskala, OH
- Georgesville Road and Holt Road Improvements, Columbus, OH

Scott Seaman, PE

TRAFFIC ENGINEER

GPD GROUP

Scott Seaman delivers 23 years of traffic engineering expertise throughout Central Ohio. This experience includes leading general engineering services and traffic improvement studies for the Cities of Columbus, Dublin, Gahanna, Hilliard, Marietta, Mt. Vernon, Pickerington, and Steubenville, as well as the Ohio Department of Transportation. He excels in the areas of traffic signal system design and operations, transportation design, lighting design, and traffic impact and safety / collision studies. Scott leads GPD's highway lighting group and has extensive experience with Visual Software and photometric analysis. His relevant traffic engineering course work includes Traffic Signal Design, Highway Lighting, Preemption Traffic Signal Training, Safety Studies, Adaptive Traffic Signal Systems and various Econolite / Siemens software / equipment training.

AREAS OF EXPERTISE

Project Management, Traffic Engineering, Traffic Studies, Lighting Design

YEARS OF EXPERIENCE

23 Total Years

REGISTRATION / CREDENTIALS

Registered Professional Engineer, State of Ohio, 2003

EDUCATION

Bachelor of Science, Civil Engineering, 1997, North Carolina State University

Bachelor of Science, Construction Management, 1992, State University of New York, Environmental Science & Forestry

PROFESSIONAL TRAINING

Traffic Engineering Courses: Traffic Signals, Interchange Justification Studies, Highway Lighting, Preemption Traffic Signal Training, Safety Studies Signing and Pavement Marking, Ohio LTAP

Econolite Contacts Software Training

Adaptive Traffic Control Systems Training, Florida Atlantic University

REPRESENTATIVE EXPERIENCE

- Traffic On-Call Services, Gahanna, OH
- Hamilton and Tech Center Drive Signal Retiming, Gahanna, OH
- FRA-317-18.11 Intersection Safety Improvements, Gahanna, OH
- T-124 Citywide Safety & Capacity Improvements, GES / Task Order (2012-present), Hilliard, OH
- GES Plan Review (2016-present), Hilliard, OH
- GES Traffic Engineering 2020-2021, Pataskala, OH
- Woolpert, Franklin Street Improvements, Hilliard, OH
- Leap and Cemetery APS Improvements, Hilliard, OH
- Davidson Road SZF Improvements, Hilliard, OH
- Woolpert, Inc., Parsons Avenue Arterial Reconstruction, Columbus, OH
- On-Call Services (2004-present), Pickerington, OH
- SR-256, Adaptive Control Software (ACS) Lite Signal Upgrade Improvement, Pickerington, OH
- GES Traffic Engineering, Westerville, OH
- Traffic Signal - GES (2019-present), Columbus, OH
- Neil Avenue Traffic Signals, Columbus, OH
- Wilson Bridge Corridor, Traffic Access Study, Worthington, OH
- River Forest Storm / Roadway Improvements, Dublin, OH
- Muirfield Drive / Memorial Drive Alternatives Analysis, Dublin, OH
- FAI-Refugee Road Improvements, Pickerington, OH
- University Boulevard, Roadway Extension, Dublin, OH
- Comprehensive Wayfinding System Phase 2A, Dublin, OH
- DEL-CR9 (TR127), Roundabout, Delaware County, OH
- SR-161 / Eiterman Road Intersection, Dublin, OH
- West 5th Ave. Bridge and Trail Improvements, Columbus, OH
- FRA-Georgesville Road / Holt Road Improvements, Columbus, OH
- Scottslawn Road Improvements, Union County, OH
- Alkire Road / Darby Creek Drive, Roundabout, Franklin County, OH
- County Line Road / Towers Trail PHB Signal, Westerville, OH
- Polaris Parkway Pedestrian Signal Improvements, Westerville, OH
- North Spring / Towers Trail RRFB, Westerville, OH
- Avery / Muirfield Signal Retiming Analysis & Optimization Study, Dublin, OH
- Livingston Avenue, Phases B & C, Columbus, OH
- Goodale Boulevard Improvements, Grandview Heights, OH

Ashley Ford, PE

MAINTENANCE OF TRAFFIC

GPD GROUP

Ashley Ford, an experienced traffic and roadway design engineer, currently leads GPD's traffic engineering plan preparation team. She provides quality control / quality assurance checks on all traffic plans developed by the team. Ashley also oversees the preparation and production of all maintenance of traffic, signing and pavement marking, and traffic signalization components of our projects. Ashley's diverse background in the field allows her to see the big picture and develop projects with a value-added design component. In addition to her role as traffic engineer, Ashley serves as a project coordinator for GPD. In this role, she works with our internal project managers to see that the traffic engineering needs for all projects are met.

Ashley has developed detailed maintenance of traffic plans and its associated components following the design criteria requirements in the Ohio Manual of Uniform Traffic Control Devices and Traffic Engineering Manual. Her goal when designing plans is to maintain the safety of vehicles and pedestrians while providing the contractor with the most efficient method to construct the project. Maintenance of Traffic plans are developed using the client's preferences and standards in conjunction with ODOT requirements.

AREAS OF EXPERTISE

Maintenance of Traffic, Traffic Engineering

YEARS OF EXPERIENCE

17 Total Years

REGISTRATION / CREDENTIALS

Registered Professional Engineer, State of Ohio, 2009

EDUCATION

Bachelor of Science, Civil Engineering, 2003, University of Toledo

REPRESENTATIVE EXPERIENCE

- GES Plan Review, Hilliard, OH
- T-124 Citywide Safety and Capacity Improvements GES, Hilliard, OH
- Franklinton Loop - Souder Avenue Connector, Columbus, OH
- General Engineering Services - Bridges, Columbus, OH
- 2019-2021 Street Maintenance Program, Dublin, OH
- Sewer Extension Areas 4A, 10C, & 10D, Dublin, OH
- SR 161 / Cosgray Road Roundabout, Dublin, OH
- Comprehensive Wayfinding System Phase 2A, Dublin, OH
- FAI-256-0.50, Pickerington, OH
- Livingston Avenue, Phases B & C, Columbus, OH
- DEL-CR9 (TR127), Roundabout, Delaware County, OH
- Goodale Boulevard Improvements, Grandview Heights, OH
- FAI-TR201-1.10 (Ety Road Widening), Lancaster, OH
- University Edge Street Improvements, Akron, OH
- 2013 Street Program, Campbell, OH
- East Main Resurfacing, Canfield, OH
- Stow / Barlow Road Intersection Signal, Hudson, OH
- Ohio Avenue Resurfacing, McDonald, OH
- OTC, Project 39-13-01 MP.90 to 95.50, Sandusky, OH
- OTC, Design Project No. 71-12-01, Sandusky, OH
- STA-153-0.80 / Mahoning Road, Canton, OH
- CUY-322-5.82, Mayfield Road, Cleveland Heights, OH
- Chagrin Boulevard Traffic Management Master Plan, Beachwood, OH
- Morgan / Hillcrest Signalization, Ashland, OH
- TRU-Curtis Middlefield (TH 227) Bridge Replacement, Trumbull, OH
- 2012 Signal Program, Wadsworth, OH
- SUM-619 Wooster Interchange, Barberton, OH
- Cedar / Exchange Preliminary Engineering Study, Akron, OH
- Alley 5 Parking Lot, Kent, OH
- Erie / Depeyster Street Improvements, Kent, OH
- Campus Drive, Parma, OH

Nathan Conner

ROW PLAN DEVELOPMENT

GPD GROUP

Nate Conner has 23 years of experience in survey and right of way plan development, beginning his career as an intern with the Ohio Department of Transportation, District 5. While working with ODOT, Nate was able to learn ODOT plan aesthetics and processes, and then migrated to the private sector gaining experience with many of Ohio's county offices, cities and villages. As a right of way designer, Nate is responsible for the entire plan process, including courthouse research and establishing property lines under the direction of our resident surveyor. He also develops public meeting displays and is experienced in working with property owners to minimize right of way impacts. Nate's experience continues with creating existing base mapping, both in the office and the field. He provides Visual Pavement Condition Index surveys, Ground Penetrating Radar surveys, pavement smoothness testing for ODOT, roadway plan and profile sheets, cross sections and general summaries.

AREAS OF EXPERTISE

Subsurface Utility Locating, Land Surveying, Boundary Surveys, Topogrpahic Surveys / Mappings, Utility Mapping, Title Research, Plan Readings, Right of Way Resolution and Plan Development

YEARS OF EXPERIENCE

23 Total Years

EDUCATION

Associate of Applied Science, Architecture with Civil Design Option, 2001,
Central Ohio Technical College

REPRESENTATIVE EXPERIENCE

- Crosswalk Study and Design, Gahanna, OH
- North Hamilton Road Access Management Study, Gahanna, OH
- Water Main Extension - Area 4A (Phase II), Dublin, OH
- Brand Road / Coffman Road Roundabout, Dublin, OH
- Brand Road / Muirfield Drive, Multi-Use Path, Dublin, OH
- Summit View Road, Shared-Use Path, Dublin, OH
- GES Plan Review, Hilliard, OH
- Woolpert, CIP T-138 Franklin, Hillard, OH
- Livingston Avenue Phase B, Columbus, OH
- Sale Road Waterline Replacement, Columbus, OH
- Neil Avenue, Traffic Signals, Columbus, OH
- Rickenbacker Parkway, Phase 2B, Realignment, Columbus, OH
- Franklinton Loop - Souder Avenue Connector, Columbus, OH
- West 5th Avenue from McKinley / Dublin, Bridge and Trail Improvements, Columbus, OH
- Alkire Road / Darby Creek Drive, Roundabout, Franklin County, OH
- Park Avenue Water Main Replacement, Delaware, OH
- ODOT, District 5, LIC-62-2.41, Intersection Safety Improvements, Johnstown, OH
- ODOT, District 10, ATH-682-4.13, Roadway Widening, Athens County, OH
- FAI-TR 207 (Diley Road), Improvements, Pickerington, OH
- ODOT, District 4, ATB-20-10.57, Roadway Widening, Ashtabula County, OH
- ODOT, District 11, BEL-149-0.15, New Roadway, Belmont County, OH
- ODOT, District 5, COS-651-0.00, Roadway Widening, Coshocton County, OH
- ODOT, District 11, HOL-62-27.42, Intersection Relocation and Signalization, Holmes County, OH
- ODOT, District 4, SUM-76/77, Final ROW, Akron, OH
- ODOT, District 11, JEF-7-17.61, Jefferson County, OH
- The Ohio State University, Storm Mapping, Phase 1 & 2, Columbus, OH
- MAH-680-2.83, PID 82941, Youngstown, OH
- MED-94-3.80, Final ROW, Wadsworth, OH
- Sewer Improvements, Jacksontown, OH
- Poplar Creek Road, Drainage Easements, Fairfield County, OH
- Stygler Road, Modifications, Columbus, OH

Michael Carlton

SUL SPECIALIST

Michael Carlton brings 15 years of experience in the subsurface utility locating industry, with a strong foundation in technical fieldwork and coordination. He is adept with various locating equipment, including Ground Penetrating Radar (GPR) / concrete scanners, electro-magnetic locators, integrity assessment cameras, metallic scopes / pin finders, hydro / air vacuum excavation equipment, and GIS grade GPS receivers/data collectors. He has delivered presentations on best practices to other professionals at all levels in the industry and at a variety of different conferences and events. He is active in the Ohio811 Northern Damage Prevention Council and the Stark County and Southeast Ohio Utility Coordination Councils. Mike continues to stay informed on the latest utility locating equipment, practices, and processes through lectures, seminars, and demonstrations from manufacturers. Mike has also successfully completed several projects utilizing and operating hydro excavation to safely expose utilities, or confirm no utilities are in conflict with excavation. Working closely with GPD on design projects and boring clearings prior to joining our team, Mike works seamless within our SUL service and leads our field efforts.

AREAS OF EXPERTISE

Ground Penetrating Radar (GPR) / Concrete Scanning, Electro-Magnetic Locators, Integrity Assessment Cameras, Metallic Scopes / Pin Finders, Hydro / Air Vacuum Excavation Equipment, GPS Data Collector

YEARS OF EXPERIENCE

15 Total Years

PROFESSIONAL TRAINING

Rappel & Rope Rescue Training; Certified Damage Investigator; 40 Hour HAZWPER; OSHA 30-Hour & 10-Hour Construction; Confined Space Training; PEC SafeLand USA

PRESENTATIONS

NDPC: Capabilities and Limitations of Locating Equipment; ICCA Safety Day: Methods of Subsurface Utility Locating; Buckey STEPS Network: Damage Prevention and Subsurface Utility Engineering; KAPPA, Keystone Chapter APPA: How to Save Money and Reduce Risk with Subsurface Utility Engineering

REPRESENTATIVE EXPERIENCE

- Hoover Reservoir, Delaware and Franklin Counties, OH
- NEORSD, Kingsbury Run Culvert, Cuyahoga County, OH
- Waterline Pothole and Mapping, Monroe County, OH
- One Call Ticket Management / As-Builts, Multiple Counties, OH and WV
- East Pioneer Trail Waterline, Aurora, OH
- Shannon Waterline, Cleveland Heights, OH
- South Street Waterline, Garrettsville, OH
- Center Street (SR 3) Waterline, Seville, OH
- Sunny Lake Dam Replacement, Aurora, OH
- WWTP Expansion Design, Seville, OH
- Cleveland Metroparks, Hinckley Lake Dam Study, Cleveland, OH
- EnviroScience, Mud Brook Stream Restoration, Stow, OH
- RiverReach, Adams Run Stream Restoration, Akron, OH
- RiverReach, Highland Park Golf Course Stream Restoration, Highland Hills, OH
- Kendall-Cheshire Regulators And Flood Relief (KCRFR), Shaker Heights, OH
- Howard Storage Basin-Rack 22, Akron, OH
- Ohio Canal Interceptor Tunnel Consolidation Sewers I, Combined Sewer Overflow, Akron, OH
- Ohio Canal Interceptor Tunnel Near Surface Sewer and Diversion Chambers, Akron, OH
- Farnsleigh Sewer Extension, Shaker Heights, OH
- Five Points Pumping Station, Mahoning County, OH
- Citywide Stormwater Study, Munroe Falls, OH
- Cuyahoga Riverbank at Riverfront Parkway, Cuyahoga Falls, OH
- Kelly Avenue Conveyance-Rack 3, Akron, OH
- Fairhope Ditch Regional Stormwater Management, Stark County, OH
- Merriman Separation Green Project - Rack 36 Sewer Separation, Akron, OH
- North Hill Separation Green Project - Rack 22 Sewer, Akron, OH

Del Channels, PE

GEOTECHNICAL LEAD

GPD GROUP

Del Channels has 34 years of experience providing geotechnical engineering and material testing services. He and his geotechnical team have overseen hundreds of projects across the Midwest with a keen eye to make sure they are delivered on time and on budget. Del's diverse experience spans both public and private markets, including public works, transportation energy, education, healthcare, retail, to name a few. Del's strength comes from combining his advanced education with significant field experience, thereby allowing him to mitigate potential issues early in the design process. Del's practical guidance to the client during engineering design and construction is invaluable to the success of the project.

AREAS OF EXPERTISE

Geotechnical Engineering, Material Testing

YEARS OF EXPERIENCE

34 Total Years

REGISTRATION / CREDENTIALS

Registered Professional Engineer, State of Ohio, 1993

EDUCATION

Master of Science, Civil Engineering, 1989, The University of Akron

Bachelor of Science, Civil Engineering, 1988, The University of Akron

PROFESSIONAL AFFILIATIONS

Construction Engineering Technology Program

Committee for the Future of Civil Engineering

REPRESENTATIVE EXPERIENCE

- Water Main Extension - Area 4A (Phase II), Dublin OH
- Sanitary Sewer Extensions – Areas 4A, 10C & 10D, Dublin, OH
- Medina County Waterline Project, Sharon Township, OH
- Various Waterline Improvements, Trumbull County, OH
- Selwyn Road Waterline Replacement, Cleveland Heights, OH
- Shannon Waterline, Cleveland Heights, OH
- 266th and Williams Waterline, Euclid, OH
- South Street Waterline, Garrettsville, OH
- Center Street SR-3, Waterline Replacement, Seville, OH
- North and South Sandusky Street Sanitary Sewer and Waterline Replacement, Mount Vernon, OH
- Howard Storage Basin (CSO Rack 22), Akron, OH
- Summit County Pump Station #19 Relocation, Summit County, OH
- Portage County, WWTP New Building, Atwater, OH
- Liverpool WWTP ESPC, Medina County, OH
- Solon WWTP, Solon, OH
- Village of Seville Water Supply, Seville, OH
- Liverpool WWTP ESPC, Medina County, OH
- Upper Tuscarawas WWTP, Summit County, OH
- Daisy Brand, New WWTP, Wooster, OH
- Superior Dairy, WWTP, Canton, OH
- Liberty Street Water Main, Garrettsville, OH
- North Street Water Main Replacement, Garrettsville, OH
- Stark County Sewer / Water Project #51, Stark County, OH
- Stark County Sanitary Sewer Project P-460, Stark County, OH
- Stark County P-545 Sanitary Sewer, Stark County, OH
- Portage County Regional Sanitary Sewer District, Kent, OH
- Green Infrastructure Wetland and Stormwater Collection, Akron, OH
- North Hill Separation - Green Project (CSO Rack 22), Akron, OH
- Olde Home Ditch Exposed Sewer Improvements, Summit County, OH
- Mull Avenue SSR 2014, Phase 2, Akron, OH
- Akron CSO Program (Rack 5/7 Middlebury Separation), Akron, OH

Angela Short, PLA, ASLA

LANDSCAPE ARCHITECTURE

GPD GROUP

Angela Short brings 14 years experience and is responsible for hardscape design, landscape design, and plan preparation for various trails and parks, retail, office, school, and green infrastructure projects. Angela's primary focus is in the design and plan preparation of bike and hike trails and master plans. When designing a trail, she considers the user experience a top priority, both the cyclist and pedestrian, including elements such as safety, aesthetic, wayfinding and interpretive signage, use of color, art, both the history and future of an area, energy of the space, and how the user connects from one place to another. She enjoys working with our clients and their communities to create unique designs and collaborating with other professionals to create comprehensive designs that translate through the surrounding site and landscape. With her prior experience in the field, she is conscientious about maintenance and functional landscapes in her designs.

AREAS OF EXPERTISE

Landscape, Hardscape, Green Infrastructure, Outdoor Learning

YEARS OF EXPERIENCE

14 Total Years

REGISTRATION / CREDENTIALS

Registered Landscape Architect, State of Ohio, 2015

EDUCATION

Masters of Landscape Architecture, 2010,
The Ohio State University

Bachelor of Science, Horticulture, 2007,
West Virginia University

PROFESSIONAL AFFILIATIONS

American Society of Landscape Architects, 2012

Ohio Chapter of Landscape Architects: VP of Communications, 2020; Buckeye Section Member at Large, 2019; Buckeye Section Chair, 2018

REPRESENTATIVE EXPERIENCE

- Bridge Park Bike Trail Connector, Orange Township, OH
- Mid-Century Neighborhood Street Improvements, Dublin, OH
- Coffman Park Pickleball Courts, Dublin, OH
- Summit View Road Shared-Use Path, Dublin, OH
- 2021 Streets Program, Dublin, OH
- Emerald Parkway and Innovation Drive, Intersection Improvements, Dublin, OH
- Franklinton Loop - Souder Avenue Connector, Columbus, OH
- Livingston Avenue, Phases B & C, Columbus, OH
- Goodale Boulevard Improvements, Grandview Heights, OH
- Rubber City Heritage Trail, Akron, OH
- Mount Carmel Grove City Medical Center, Serenity Garden, Visual Rooftop Garden and Courtyard, Grove City, OH
- Vickers Nature Preserve Master Plan, Ellsworth Township, OH
- MAH-Youngstown SMART^2, Youngstown, OH
- Orange Bridge Park Bike Trail Connector, Orange Township, OH
- Cleveland Metroparks, Towpath Trail, Criteria Engineer, Cleveland, OH
- Cuyahoga Falls, George Terrace Neighborhood Trail and Greenway Plan, Cuyahoga Falls, OH
- GEA-Maple Highlands Trail Connection, Chardon, OH
- Summit Metro Parks, Overlook Trail / Sackett Avenue, Akron, OH
- Dan Smith Community Park / Event Space, Kent, OH
- Mill Creek Metro Parks, Lily Pond Improvements, Youngstown, OH
- Kenmore Construction Co., Inc., Cascade Plaza Renovation, Akron, OH
- Muskingum Watershed Conservancy District, Seneca Lake Park and Recreation Master Plan, Senacaville, OH
- Muskingum Watershed Conservancy District, Piedmont Lake Marina Site Improvements, Freeport, OH
- Rack 12 Storage Basin, Akron, OH
- Elmer Flick Memorial, Bedford, OH
- SUM-91-21.11, Twinsburg, OH
- ODOT, District 4, MAH-7-7.39, Zuckerman Parcel, Boardman, OH
- Lehman Road Bridge Replacement, Columbus, OH
- Blueprint Livingston James 5 - Thurston / Grimsby Integrated Solutions & Storm Sewer Improvements, Columbus, OH

Chris LeRoy, PS

SURVEYOR

Chris LeRoy brings over 30 years of experience in various disciplines of the survey profession. Chris joined GPD after having worked previously for another Ohio consulting firm, the Ohio Department of Transportation, and the Butler County Engineer, as well as his own business, HLS, in the Dayton area. From mortgage surveys to complex right of way plans and construction layout to as-built surveys, he has the experience and knowledge to get the job done right and on time. While employed with ODOT, he helped develop and train other surveyors in the right of way manual used by the department today.

Chris utilizes the latest in laser scanning techniques and identifies potential impacts early in the process to deliver innovative solutions that save clients both time and money.

AREAS OF EXPERTISE

Land Surveying, Boundary Surveys, Topographic Surveys / Mappings, Utility Mapping, Title Research, Plan Readings, Right of Way Resolution and Plan Development

YEARS OF EXPERIENCE

31 Total Years

REGISTRATION / CREDENTIALS

Registered Professional Surveyor, State of Ohio, 1995

ODOT Right of Way Reviewer

ODOT Title Chain and Report Prequalified Preparer

Hocking Technical College, Certification, Sawmill Operations & Lumber Grading, 1986

EDUCATION

Associate of Applied Science, Forestry, Hocking Technical College 1985

PROFESSIONAL TRAINING

ODOT Right of Way Plan Development – Right of Way Plan Review

ODOT Title Chain and Report Preparation

PSMJ Project Management Bootcamp

REPRESENTATIVE EXPERIENCE

- North Hamilton Road Access Management Study, Gahanna, OH
- Water Main Extension - Area 4A (Phase II), Dublin, OH
- Woolpert, CIP T-138 Franklin, Hillard, OH
- Lancaster - Whiley Road Waterline, Lancaster, OH
- Pollock Road Waterline Extension, Delaware, OH
- Shannon Waterline, Cleveland Heights, OH
- South Street Waterline, Garrettsville, OH
- MAH Front Street Waterline, Youngstown, OH
- Sewer and Water Main Extensions, Dublin, Ohio Sawmill Parkway Extension, Phases F & G, Delaware, OH
- East Powell Road Improvements, Ph. 1 & 2, Lewis Center and Columbus, OH
- FRA-71, Project 3, Columbus, OH
- ODOT D11, HOL-39-25.08 Part 1, Holmes County, OH
- Scottslawn Road Improvements, Union County, OH
- MAH-Youngstown Signals, Youngstown, OH
- Mahoning County, South Avenue, Boardman Township, OH
- Hyland-Croy / Post Temporary Signal Analysis and Design, Dublin, OH
- Akron Innerbelt, Part I, Akron, OH
- B&N, Olentangy Trail Improvements, Columbus, OH
- B&N, US33 / SR161 Post Road Interchange Updates, Dublin, OH
- B&N, Henderson Road, Columbus, OH
- TRU-Western Reserve Greenway Trail, Phase 4, Warren, OH
- POR-14-3.65 Widening, Streetsboro, OH
- Jacobs, Nautica Redevelopment, Cleveland, OH
- MUS-CR32-0.00, Muskingum County, OH
- Village Road Extension, Richfield, OH
- Woolpert, GRE-CR271-3.52, Beavercreek-Shakertown Road, Beavercreek, OH
- Perry Drive and Jackson Avenue Intersection Improvements, Canton, OH
- POR-Streetsboro Signals, Part 2 ROW, Streetsboro, OH
- Muskingum Valley Health Care, Utility Upgrades, Cambridge, OH
- Ohio Turnpike and Infrastructure Commission, #71-18-01 MP 0.0 to 7.2, Lorain, OH

Tim Root, PE

CONSTRUCTION INSPECTION

Starting in the field of construction before college, Tim has extensive industry experience. He most recently served as the construction engineer responsible for the construction administration and inspection of the City of Dublin's Capital Improvement Program (CIP) transportation and utility projects. Tim's experience includes CIP projects where his work ranged from roadways and shared-use paths to storm sewer and water main installations. He also served as a project engineer for ODOT on construction projects ranging from intersection improvements with lighting, drainage, and landscaping aesthetic upgrades to large complex interstate roadway and structure reconstruction projects. As construction services manager, Tim oversees Stantec's Construction Services Team, which offers complete project management, scheduling, pay application review, quality assurance monitoring, and construction observation.

AREAS OF EXPERTISE

Construction Inspection,
Construction Engineering,

YEARS OF EXPERIENCE

13 Total Years

REGISTRATION / CREDENTIALS

Registered Professional Engineer, State of Ohio

EDUCATION

Bachelor of Science, Civil Engineering, 2009,
The Ohio State University

REPRESENTATIVE EXPERIENCE

North Folk Sewer Improvements*, Dublin, OH
Served as construction engineer responsible for the installation of 2,000 feet of 24" sanitary sewer used to upsize existing main. Work involved open trench installation and bypass pumping. Coordinated work with private property owners as this work was out of the right-of-way.

Limerick Lane Storm and Sanitary Improvements*, Dublin, OH
Served as construction engineer responsible for the installation of 4,200 feet of new eight-inch sanitary sewer, 2,000 feet of new storm sewer and the planning and resurfacing of 4,500 feet of residential roadway.

Deer Run Sanitary Sewer Upsizing*, Dublin, OH
Reconstruction of deep sanitary sewer main within easements on the Muirfield Village Golf Course. Work involved trenchless pipe bursting as well as conventional open trench replacement methods. Restoration work involved repairing limestone walls, course irrigation and turf and roller compacted concrete paths with asphalt overlays.

Emergency Sanitary Sewer Repair SR 161/Riverside Drive Roundabout*, Dublin, OH
Emergency jack and bore of 24" casing pipe to repair a 200' section of existing sanitary line unknowingly damaged during previous roadway construction. This work took place in the center of the newly constructed SR 161/Riverside Drive roundabout in the new Bridge Park Development.

Blueprint Overbrook/Chatham Lateral Lining and Downspout Redirection, Columbus, OH
The project involved CIPP sanitary sewer lateral lining of over 300 properties and downspout redirection in the Clintonville neighborhood to reduce inflow and infiltration of the sanitary sewer system.

Alum Creek Trunk Middle and Interceptor Sewer, Columbus, OH
The project involved 6,000 feet of shotcrete continuous lining of 90-inch and 96-inch diameter concrete sanitary sewer pipe and 24,000 square feet of shotcrete spot repair.

** denotes projects completed with other firms*

Anna Lee Durasanti

EASEMENT ACQUISITION

Anna Lee Durasanti has been involved with acquisition and relocation services for public agencies for the last 27 years. As a former ODOT employee, she has significant experience with ODOT policies and procedures, and she has provided relocation services on several past INDOT projects managed by ORC. As a lead ORC Project Manager, Anna Lee has managed 140+ right of way acquisition /relocation projects, including those provided as project experience in this application. She also specializes in relocation, and she has ample experience as a negotiator. In this respect, Anna Lee has reviewed approximately 300 consultant title, closing, negotiations, relocation files, and performed relocation services for complex residential and businesses for ODOT and Local Public Agencies.

AREAS OF EXPERTISE

Project Management, Relocation, Relocation Review, Acquisition, Title Reports and Closing Services

YEARS OF EXPERIENCE

29 Total Years

REGISTRATION / CREDENTIALS

ODOT – Project Management; Titles; Negotiations; Relocation Review; Closing

INDOT Approved for Relocation

TDOT Approved for Acquisition and Relocation

Ohio State Licensed Realtor – 04036936

Notary Public, OH

TRAINING

Ohio Dept. of Transportation

US Department of Transportation

National Highway Institute

FHWA

IRWA

REPRESENTATIVE EXPERIENCE

Vectren Energy, Z-167 2015, Montgomery County & Miami County, OH
ORC provided acquisition services to acquire five temporary easements for Vectren Energy for pipeline hydro testing. Anna Lee specifically provided project management and acquisition services for this project.

Vectren Energy, Nathanial's Grove, Beavercreek, OH
ORC provided acquisition services to acquire construction agreements from nine property owners for Vectren Energy for a distribution line for a new residential housing development. Anna Lee specifically provided project management and acquisition services for this project.

HAM-71-3.81 (formerly named Uptown), Cincinnati, OH
This project is to provide a full movement interchange at IR-71 and Martin Luther King Drive while maintaining existing connections. Providing ramp metering on the northbound entrance ramp from McMillan, and providing northbound auxiliary lane with capacity improvements to the local network including intersections of Martin Luther King and Reading Road and Martin Luther King and Gilbert Road. ORC was selected to perform project management, titles, appraisal, negotiations, and closings for 100+ parcels and relocation services for 12 structures with tenant occupants mixed residential and commercial.

MEG-124-56.02, ODOT D10, Meigs County, OH
ORC provided turnkey right of way services for the SR 124 Project in Meigs County. The project required appraisals, title searches, 26 acquisitions, closings, property management, and relocation services for 18 parcels. The project area extended along the Ohio River and required the excavation of rock along the embanking hillside and extensive elevation changes to accommodate the relocated road. The project was designed to alleviate flooding issues as well as roadway deterioration, and it involved a great deal of blasting because of a dramatic difference in road elevation.

Don Jeffers

SEWER CLEANING AND CCTV

Don Jeffers has been with Fee Corp for 14 years and will be assisting our team with field inspection as needed. Don is a former trainer for PACP & MACP and LACP for CCTV by NASSCO (T-108-4007). He also is trained in SprayRoq manhole liner system and perma-liner point repair process. Don is trained on all safety procedures, including confined space, trench and lock out-tag out. Don is familiar with the City of Gahanna's preferences and standards.

AREAS OF EXPERTISE

CCTV, Sewer Cleaning, NASSCO requirements

YEARS OF EXPERIENCE

14 Total Years

REPRESENTATIVE EXPERIENCE

- CCTV of Sanitary Lines, Pataskala OH
- Morrill-Ann Blueprint Stormwater Sewer Assessment (CIP 611625-122181)
- 5th by Northwest and Hiltop Blueprint Stormwater Sewer Assessment (CIP 611625-100001)

Required Forms

As requested, we have provided signed copies of the following forms:

- Attachment B - Proposal Evaluation Form
- Attachment C - Proposal Pricing Form
- Attachment D - Reference List
- Sample Invoice

ATTACHMENT B – PROPOSAL EVALUATION FORM

Gahanna	Project:
	Consultant:
	Evaluator:
	Date:

TECHNICAL APPROACH	Available Points	Awarded Points
Understanding of Project and Basic Scope of Services	25	
Additions or Deletions to the Basic Scope of Services	10	
Understanding of Unique Conditions of the Project	5	
Technical Approach to the Project	20	
Project Schedule	10	
Key Equipment or Resources that Assists in Performance of Work	5	
Subtotal	75	0
PROJECT TEAM		
Consultant's and Subconsultant's Experience on Similar Projects	20	
Working Relationship with Project Team	10	
Project Manager's Experience on Similar Projects	10	
Key Task Managers' Experience on Similar Projects	10	
Location of Key Staff Members	10	
Subtotal	60	0
PAST PERFORMANCE		
Quality of Consultant's/Subconsultant's Past Work	20	
Consultant's/Subconsultant's Ability to Meet Project Schedule	15	
Project Manager's Ability to Coordinate Project Activities	10	
Constultant's/Subconsultants' Success in Controlling Project Costs	10	
Constultant's/Subconsultants' Ability to Communicate Effectively with Agency	10	
Subtotal	65	0
TOTAL POINTS	200	0

ATTACHMENT C – PROPOSAL PRICING FORM

Proposer should provide a not-to-exceed amount per task, to be based on hourly labor rates. The not-to-exceed amount determination should be all inclusive and include any incidental costs such as materials, printing, and transportation fees.

Task	Task Description in Brief	Fee	Estimated Hours to Complete Task
Heil Drive			
1.	Site Survey and Design	$54,680	434
2.	Design Coordination and Permitting	$1,253	11
3.	Real Estate Negotiation and Acquisition Services	$0	0
4.	Construction Bidding and Submittal Review	$2,062	16
5.	As-Built Drawings	$1,913	17
6.	Construction Phase Services	$1,454	12
7.	Additional Tasks and/or Meetings Deemed	$0	0
	Subtotal	$61,362	490
Laura Drive			
1.	Site Survey and Design	$55,767	446
2.	Design Coordination and Permitting	$1,253	11
3.	Real Estate Negotiation and Acquisition Services	$8,958	2
4.	Construction Bidding and Submittal Review	$2,062	16
5.	As-Built Drawings	$1,913	17
6.	Construction Phase Services	$1,454	12
7.	Additional Tasks and/or Meetings Deemed	$0	0
	Subtotal	$71,407	504
North Street			
1.	Site Survey and Design	$58,855	476
2.	Design Coordination and Permitting	$1,253	11
3.	Real Estate Negotiation and Acquisition Services	$0	0
4.	Construction Bidding and Submittal Review	$2,062	16
5.	As-Built Drawings	$1,913	17
6.	Construction Phase Services	$1,454	12
7.	Additional Tasks and/or Meetings Deemed	$0	0
	Subtotal	$65,537	532

Task	Task Description in Brief	Fee	Estimated Hours to Complete Task
	River Drive		
1.	Site Survey and Design	$40,520	311
2.	Design Coordination and Permitting	$1,070	10
3.	Real Estate Negotiation and Acquisition Services	$0	0
4.	Construction Bidding and Submittal Review	$1,547	12
5.	As-Built Drawings	$1,435	13
6.	Construction Phase Services	$1,454	12
7.	Additional Tasks and/or Meetings Deemed	$0	0
	Subtotal	$46,026	358
	Rocky Fork Drive North		
1.	Site Survey and Design	$42,207	329
2.	Design Coordination and Permitting	$1,070	10
3.	Real Estate Negotiation and Acquisition Services	$0	0
4.	Construction Bidding and Submittal Review	$1,547	12
5.	As-Built Drawings	$1,435	13
6.	Construction Phase Services	$1,454	12
7.	Additional Tasks and/or Meetings Deemed	$0	0
	Subtotal	$47,713	376
	Grand Total	$292,045	2,260
		Billing Rate	
*8.	Construction Inspection	$85.00	

Please submit hourly billing rate schedule by classification. **See next page.**
Please submit your travel rates, if applicable. **See next page.**
*Construction Inspection will be covered through a future Contract Modification; proposers are only required to submit a billing rate for the Construction Inspector with this proposal.

Hourly Billing Rate Schedule and Travel Rates

PROJECT MANAGEMENT	
Principal Project Manager	$170.00
Senior Project Manager	$154.00
DESIGN	
Senior Engineer	$150.00
Senior Architect	$150.00
Senior Landscape Architect	$115.00
Landscape Architect	$100.00
Design Engineer / Design Architect	$118.00
Staff Engineer / Staff Architect	$106.00
Architect or Engineer Intern	$92.00
Senior Environmental Specialist / PM	$163.00
Environmental Specialist	$129.00
Senior Designer	$128.00
Staff Designer	$99.00
TECHNICAL	
CAD Drafter	$65.00
Construction Inspector	$85.00
SURVEY	
Survey Project Manager	$115.00
Senior Surveyor	$105.00
Surveyor	$90.00
Senior Survey Technician	$65.00
Survey Technician	$55.00

GEOTECHNICAL	
Project Geotechnical Manager	$115.00
Drill / Lab / Field Manager	$90.00
Senior Driller / Field / Lab Tech	$80.00
Driller / Field / Lab Tech	$67.00
Assistant Driller / Field / Lab Tech	$53.00
GEOTECHNICAL FIELD SUPPLIES FIXED COSTS	
Mortar Cubes (Each)	$11.50
Grout Prisms (Each)	$22.00
Concrete Test Cylinders (Each)	$16.00
Concrete Test Beams (Each)	$50.00
Drill Rig (Per Day)	$500.00
Hydrovac Trailer (Per Day)	$200.00
Floor Flatness Gauge (Per Day)	$115.00
Nuclear Density Gauge (Per Day)	$60.00
SUPPORT	
Project Aid	$71.00

Plus direct travel expense (including mileage, air fare, car rentals, lodging, meals, etc), outside blueprint and copying, etc.

These hourly rates are for architectural / engineering services performed during the 2021 calendar year. Rates will be adjusted annually for cost of services beyond 2021.

A finance charge of 1.5% per month will be added to all invoices outstanding after 30 days.

This is a list of company wide rates. The best fit, most cost-effective personnel will be used on your project.

This proposal is binding upon the undersigned for 90 days after the Proposal Submittal Deadline.

COMPANY: GPD Group

ADDRESS: 1801 Watermark Drive, Suite 210, Columbus, OH 43215

DIR NUMBER: 614.210.0751

CONTACT PERSON: Luke Murry

TELEPHONE: 614.619.4349

SIGNATURES FOR PROPOSER:

If INDIVIDUAL, Sign Below

Signature Date

Post Office Address

If CORPORATION, Sign Below
(Show Names of Non-signing Officers)

Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
dba GPD Group

A CORPORATION

State of Ohio

Name of State Where Chartered

Darrin Kotecki 10/14/2021

Signature Date

Darrin Kotecki 10/14/2021

PRESIDENT Date

Mark Salopek 10/14/2021

SECRETARY Date

Jeff Evans 10/14/2021

TREASURER Date

1801 Watermark Drive, Suite 210, Columbus, OH 43215

Post Office Address

If PARTNERSHIP, Sign Below
(Show Names of Non-signing Partners)

Name of Partners

Signature Date

Post Office Address

AFTER SIGNING, PLEASE SUBMIT ALL PAGES OF THIS PROPOSAL PRICING FORM, INCLUDING THE SIGNATURE PAGES. AS IT RELATES TO THIS PROPOSAL, PLEASE TURN IN ALL PAGES.

ATTACHMENT D – REFERENCE LIST

Please list three (3) public agency clients, along with a very brief description of the work, which the City may contact regarding the Consultant's work performance.

REFERENCE # 1

AGENCY / CITY NAME:	City of Hilliard, Franklin Street Improvements Project
DEPARTMENT:	Dept of Community Development, Transportation & Mobility Division
CONTACT PERSON:	Letty Schamp, PE, Director
TELEPHONE:	614.334.2456
EMAIL ADDRESS:	lschamp@hilliardohio.gov
DOLLAR VALUE OF AGREEMENT:	$193,000
DATE RANGE OF AGREEMENT:	03/2016-09/2020
NATURE OF WORK PERFORMED:	Drainage / Stormwater Mgmt, Lighting Design, Sanitary Sewer Evaluation Design, Stormwater Pollution Prevention, Stormwater Quality Design, Traffic Eng., Utility Eng., Water Supply and Distribution Eng.

REFERENCE # 2

AGENCY / CITY NAME:	City of Dublin, Mid-Century Neighborhood Street Improvements
DEPARTMENT:	Division of Engineering
CONTACT PERSON:	Mike Sweder, PE, Civil Engineer II
TELEPHONE:	614.410.4621
EMAIL ADDRESS:	msweder@dublin.oh.us
DOLLAR VALUE OF AGREEMENT:	$361,000 est.
DATE RANGE OF AGREEMENT:	02/2016-12/2017
NATURE OF WORK PERFORMED:	BMP, Civil Engineering, Landscape Architectural Design, Maintenance of Traffic, Public Involvement, Roadway Engineering, Surveying, Utility Infrastructure Engineering, Water Supply and Distribution Engineering

REFERENCE # 3

AGENCY / CITY NAME:	City of Columbus, Sale Road Area Waterline Improvements
DEPARTMENT:	Department. of Public Utilities Division of Water
CONTACT PERSON:	Evan DiSanto, PE, Project Engineer
TELEPHONE:	614.645.7677
EMAIL ADDRESS:	emdisanto@columbus.gov
DOLLAR VALUE OF AGREEMENT:	$225,628
DATE RANGE OF AGREEMENT:	01/2016-10/2019
NATURE OF WORK PERFORMED:	Water Distribution, Waterline Rehabilitation, Surveying, Utility / Infrastructure Engineering, Maintenance of Traffic

AFTER COMPLETING, PLEASE SUBMIT ALL PAGES OF THIS REFERENCE LIST. AS IT RELATES TO THIS PROPOSAL, PLEASE TURN IN ALL PAGES.

Sample Invoice

GPD Group
Architects - Engineers - Planners
520 South Main Street Suite 2531
Akron, Ohio 44311-1010
(330) 572-2100

Invoice

City of Gahanna
Attn: D. Grant Crawford
Director of Public Service & Engineering
Gahanna City Hall
200 S. Hamilton Road
Gahanna, OH 43230

February 23, 2018
Invoice No: 2018113.00 - 1

Invoice Total $560.32

Project 2018113.00 Gahanna - Project Name
P.O.#P1800536

Professional Services from January 27, 2018 to February 23, 2018

Task 170 Records Search

Professional Personnel

	Hours	Rate	Amount
Employee name	5.00	97.44	487.20
Employee name	.50	146.24	73.12
Totals	5.50		560.32
Total Labor			**560.32**
		Total this Task	**$560.32**

Billings to Date

	Current	Prior	Total
Labor	560.32	0.00	560.32
Totals	**560.32**	**0.00**	**560.32**

Billing Limits	Current	Prior	To-Date
Labor	560.32	0.00	560.32
Limit			5,240.00
Remaining			4,679.68
		Total this Invoice	**$560.32**

Billings to Date

	Current	Prior	Total
Labor	560.32	0.00	560.32
Totals	**560.32**	**0.00**	**560.32**

Net 30 days.

AKRON / ATLANTA / CHARDON / CLEVELAND / COLUMBUS / DALLAS / HOUSTON
INDIANAPOLIS / LOUISVILLE / MARION / PHOENIX / SEATTLE / YOUNGSTOWN

800.955.4731 | gpdgroup.com