KC CONSTRUCTION CO.
1737 Stout Drive, Ivyland, PA 18974 | 215-443-5553

LEADERS IN DAM CONSTRUCTION AND REHABILITATION

MARQUETTE LAKE DAM REHABILITATION

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

CUSTOMER:

pennsylvania
DEPARTMENT OF GENERAL SERVICES

PENNSYLVANIA FISH & BOAT COMMISSION
Susan Stanisic, Proposal Coordinator
3rd Floor Arsenal Building
18th & Herr Street, Harrisburg, PA 17103

ENGINEER:

D'APPOLONIA

D'APPOLONIA
701 Lodi Road – Floor 2
Pittsburgh, PA 15235

PROPOSAL SUBMITTED BY:

KC CONSTRUCTION CO.
1737 Stout Drive, Ivyland, PA 18974
Proposal Contact:
Joel Baker
(267) 961-0949
joelb@kcconstruct.com

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

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Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 1. Project Team Qualifications, Experience and Past Performance

T-1A Introduction to Project Team

MARQUETTE LAKE DAM REHABILITATION
PROJECT NO. DGS C-0960-0086 PHASE 1

TECHNICAL SUBMITTAL

T-1A Introduction to Project Team

Incorporated in 1983 as a family-owned small business serving as a general contractor, KC Construction Co. has focused on technically challenging heavy civil works projects in both the public and private markets. Growing a reputation as a "can do it" contractor, we utilize in house civil and geotechnical engineering solutions for our projects. In 2000, KC began to focus on Dam Rehabilitation and Flood Protection projects, developing a hand-picked group of project managers and skilled tradesman who take great pride in quality work. Now having worked on over **60** specialty dam, levee, and flood control projects in our region, we offer unmatched experience and expertise with an army of seasoned suppliers, subcontractors and consulting partners in tow. When it comes down to Dam Construction, KC has done it all - Crest Raising, Slope Armoring, Blanket and Toe Drains, Diversion and Control of Water, Seepage Control, Outlet Drains, Conduit Rehabilitation, Labyrinth Spillways, Fusegates, Roller Compacted Concrete (RCC), Shotcrete Repairs, Rip Rap Armoring, and Articulating Concrete Block (ACB) Armoring.

KC Construction – Prime Contractor

KC Construction shall be the Prime Contractor for the project acting as the responsible contact for PA DGS, D'Appolonia, PA DMVA, and any other oversight parties. KC will coordinate, schedule, and monitor the work of our subcontractors for compliance with the project schedule and the contract documents. All our subcontractors are well known in the industry and have previously worked on or are currently working with KC on other dam or flood control projects. The proposed team has no first-time partners.

KC will commit the following personnel to this project:

- John V. Lima, PE | President
- Gino Yannuzzelli | Vice President
- Tim Wintermute | Sr. Project Manager
- Bobby Machiesky, PLS | General Superintendent
- Dan Samoni | Site Foreman

Performance Construction Company – Subcontractor (Spillway CIP Concrete & Water stop)

As a subcontractor on this project, it is not only critical that their tasks be well coordinated and executed, but they must fit within the overall project plan. For critical infrastructure projects, such as this project, it is necessary to assemble a veteran team of professionals with a proven history of success.

Started in 1995, Performance Construction Company serves as a General Contractor, Structural Concrete Contractor and General Trades Contractor. Performance regularly self-performs all cast-in-place concrete for heavy civil type projects including:

- Dam and spillway construction.
- WWTP projects including all concrete, piping, and equipment installation.
- Parking garages and other elevated structural concrete.
- Large industrial projects.
- Installation of specialty items on various projects by utilizing our own skilled, union workforce.

Performance will serve as the Subcontractor for cast in place concrete. The Project Management Team selected for the Marquette Lake Dam project has extensive experience providing project management and inspection services for complex dam projects. Another characteristic that uniquely qualifies the team is the inclusion of licensed plant operatives on the field staff. Performance commits to using the following Project Team personnel for your project:

Eric Eichenberg | Vice President
- Tracks staffing, budget, and expenses
- Coordinates team efforts and support staff
- Primary reporting to DGS
- Contract administration, including submittals, RFI's, meeting minutes, change order management, monthly reports, and schedule updates.

Brian Mickatavage | General Superintendent
- Monitors job site safety programs
- Ensures a safe working environment
- Runs timely and efficient projects.

Leah Eichenberg | Project Manager
- Attention to detail and quality work make him a valuable member
- Experience in all facets of construction, especially environmental, highway, municipal and commercial construction

Andy Studlack | Project Forman
- Over 25 years in the construction industry
- Has served as a carpenter and carpenter foreman
- Runs timely and efficient projects
- Exemplary safety record

GEI Consultants - Professional Consultant (Control of Water/Dewatering)

Founded as a geotechnical engineering firm in 1970, GEI has been an industry leader in the application of geotechnical principles to achieve safe, economical and practical projects. We are highly experienced in investigating, evaluating and navigating the risk and uncertainty of the underground to overcome challenges presented to both routine and complex projects by variable soil, rock, and groundwater conditions; fast-track schedules; and sensitive adjacent buildings and infrastructure.

GEI has a team of specialists located across the U.S. with expertise in surface and subsurface drainage, as well as flood hydrology and flood control facilities. Our team applies advanced hydrologic and hydraulic models that take into account historic rainfall and runoff events, maximum probable event predictions and multiple reservoir operational considerations. These considerations include flood control, recreation, power generation, endangered species, water supply and wild and scenic river issues. We provide our clients with solutions that integrate yesterday's history with today's technology. Specialties include: Dams; Levees; Dikes; Seawalls; and Dam Safety.
GEI commits to using the following Project Team personnel for your project:

- Andy Baxter, PE | Project Principal
- Marat Mardenov PE | Sr. Engineer

History of Working Relationships

KC and Performance have teamed up on multiple dam projects over the last several years, Toby Creek back in 2008 as well as completing work on Pikes Creek Dam (2017), and Lake Scranton Dam (2018) for PA American Water. All included control of water measures, water stop and cast-in-place concrete for watertight hydraulic structures. Additionally, KC and Performance recently partnered up on five more dam rehab projects (Minsi Lake Dam, Pecks Pond Dam, Meadow Grounds Lake Dam, Sheppard-Myers Dam, Stony Garden Dam). Point being, this team has a solid performance record of successful dam rehabilitation projects, many of which have been built for PA DGS.

KC will be partnering with GEI Consultants to provide cofferdam and dewatering designs for rehabilitation of the primary spillway and dam embankment. The KC-GEI Consultants relationship dates back over 10 years. GEI Consultants was one of KC's first consulting partners upon entering the dam construction world. They have evolved to be one of our most trusted resources, especially when the is a complex project to tackle or we need an outside the box approach. We have an excellent working relationship which will help progress this project successfully.

Concrete Simplicity Consulting & Supply, LLC has been a partner to KC in the truest sense of the term. Karen Reese is an excellent technical resource and has consistently met our needs. As a registered SDB stocking supplier, she has regularly participated with us on State projects allowing us to meet and exceed the SDB participation goals.

Lastly, but most importantly, KC Construction Co. has now completed **6** "Best Value" dam rehabilitation jobs for the State (PA DGS – DCNR/Fish & Boat) while developing excellent working relationships with staff of every department and instilling a confidence that every contract will be completed to the highest standards on time and on budget.

Services and Materials to be Provided

- Survey Layout & Utility Notification
- Erosion and Sediment Control Measures
- Clearing, Grubbing and Stripping of Identified Areas
- Control & Diversion of Water (Cofferdam Installation and Removal, Temporary Stream Diversion)
- Temporary Lay Down Areas, Temporary Parking, and Temporary Access Roads
- Excavation Dewatering
- Demolition and Removal of Existing Structures
- Subgrade Prep (Rock Foundation) and Drainage System for Concrete Structures
- New Cast-in-Place Concrete Labyrinth Spillway (Auxiliary Structure)
- Improvements to the Spillway Channel downstream (RipRap Lining)
- Embankment Excavation, Subgrade Preparation, Zoned Fill Placement (Flattening Dam)
- Installation of Internal Drain System (Chimney and Toe Drains) and Seepage Monitoring System
- Installation of Dam Instrumentation
- Install Dry-Hydrant (Base Bid 2)
- Supplemental Stream Channel Improvements (Base Bid 2)
- Replacement of 17th Street Bridge Structure (Base Bid 3)
- Fine Grade Embankment Slopes, Install Riprap Scour Protection
- Maintenance/Removal of Erosion Control Measures
- Permanent Restoration of Grass, Stone Paved areas
- Demobilize

Team's Experience with Project Features

- Spillway Construction (Large Spillway Construction, Cast-in-Place Concrete for Watertight Structures) – KC/Performance have worked together on several dam projects and many other water conveyance projects. We understand the critical need for quality construction methods and materials. We understand the need for the dam to behave as designed, and that construction means and methods have a significant outcome on that behavior. Their installers have received certifications from factory manufacturers of water stop products. Project after project has been completed in compliance with the contract documents with no rework required. Their experience in water-tight structures makes them a leader in the industry.

- Water Control & Dewatering – All of the dam projects we work on require control of water. KC Construction is proficient in the installation of various forms of temporary earthen, sheet pile, and porta-dam cofferdams in addition to bypass pumping systems. KC Construction maintains superb working relationships with multiple geotechnical and structural engineering firms for design collaboration. Additionally, Performance has built and repaired numerous projects requiring control of water in partnership with KC. They too understand that the control of water includes all parts of the infrastructure, and that infrastructure must be fully understood to assure that the entire system acts together to function correctly.

- Embankment Construction, Drainage & Seepage Collection Systems – KC Construction has satisfactorily completed 32 earthen dam and levee rehabs or upgrades in the last five (5) years, including multiple projects for PA DGS. It should be noted that these drainage systems have been designed by several different engineers, all of which have slightly different variations and specifications. We understand the overall intent of these systems and how Dam Safety expects them to perform.

- Piezometer Installation in Embankments – whether it's protecting, extending, or installing completely new, KC has experience with Piezometers. Dam instrumentation is obviously a critical component of dam monitoring for both construction and long-term monitoring for performance of the embankment. Our drilling and engineering partners are all regulars in the dam construction industry.

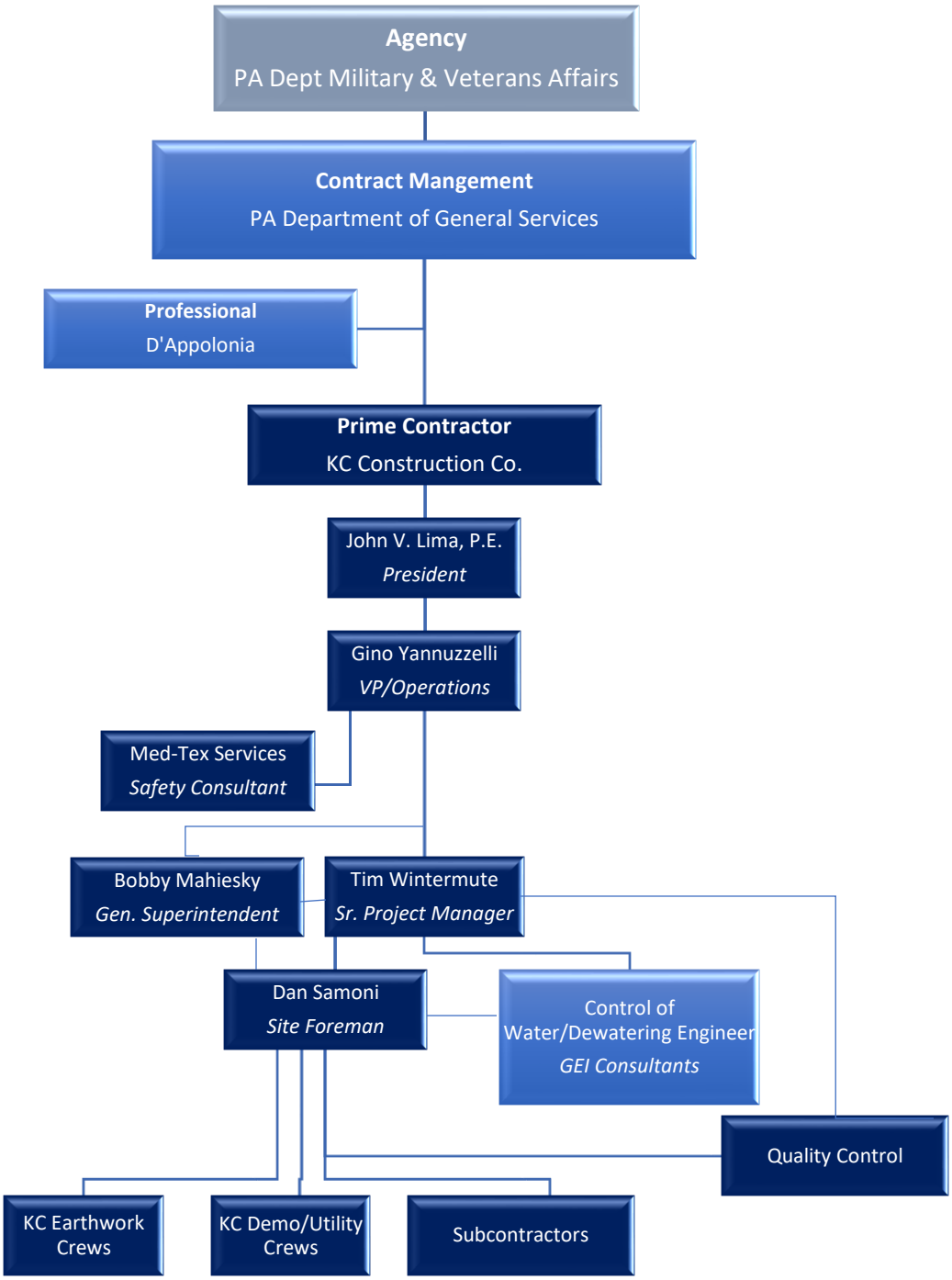
- Demolition of Concrete Structures - More and more we are seeing dam rehab projects require surgical demolition of existing structures. The reasons can vary from minimizing cost, salvaging historic structures, or maybe it's necessary to manage water and mitigate risk during construction. No matter the reason, KC has routinely completed total and partial demolition services and successfully married the new construction to remaining dam facilities.

- Excavated Material Handling and Screening – Whenever a contractor excavates into an existing dam embankment, there is an element of risk that needs to be understood and addressed. Our experience provides us with a unique insight as to what we are essentially "getting into". Our operators have dug into numerous dam embankments – some good, some bad. Understanding the geotechnical requirements of these soils helps us identify and handle the materials in the appropriate manner. Many times our dam rehabilitation projects have required soils processing. We own and partner with several equipment suppliers (screens and crushers) that we rely on to service the project with the best tools to get the job done.

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

PROJECT TEAM ORGANIZATION CHART



Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 1. Project Team Qualifications, Experience and Past Performance

T-1B Prime Contractor

(Appendix F)

APPENDIX F

PRIME CONTRACTOR
QUALIFICATION STATEMENT

APPENDIX F

PRIME CONTRACTOR QUALIFICATION STATEMENT

COVER SHEET

DGS Project Name Marquette Lake Dam - Rehabilitation

DGS Project Number C-0960-0086.1

Check One:

_X_ Corporation,

__ Partnership,

__ Individual,

__ Joint Venture,

__ Other _____

Name of Firm KC Construction Co.

Address 1737 Stout Drive, Ivyland, PA 18974

Principal Office Same

Owner or Authorized Representative Gino Yannuzzelli

SECTION 1 – INFORMATION ON FIRM

1.1 Background Information

a) How many years has the firm been in business? 40 Years

b) How many years has the firm been doing business in proposed contract field? 36 Years

Under what former names has the firm conducted business? KC Engineering and Construction Company

c) Provide an **Attachment 1** to this Qualifications Statement identifying all jurisdictions in which the firm is licensed or otherwise qualified to do business. List and provide copies of any business or trade licenses, certificates or registrations (to the extent that they apply to the Contract Work) held by the firm.

d) If the firm is a corporation, provide the following information:

Date of incorporation October 17, 1983

State of incorporation Pennsylvania

President's name John V. Lima

Vice President's name(s) Gino Yannuzzelli

Secretary's name Gino Yannuzzelli

Treasurer's name John V. Lima

e) If the firm is a partnership, provide the following information:

Date of formation_____

Type of partnership_____

Names of partners_____

f) If the firm is individually owned, provide the following information:

Date of formation_____

Name of owner_____

g) If the form of the firm is other than those listed above, describe it and name the principals:

SECTION 2 - EXPERIENCE AND PERFORMANCE

2.1 General

a) Provide the annual construction volume in dollars completed by the firm in the past three years:

Year 2023 $ 12,790,741

Year 2022 $ 16,618,240

Year 2021 $ 15,339,475

b) Identify the percentage of work on similar projects the firm typically performs with its own work force 65%

c) List the categories of work that the firm normally performs with its own forces on similar projects.

Earthwork, demolition, clearing & grubbing, cofferdams, dewatering, underground utilities, cast-in-place concrete, roller compacted concrete (RCC), articulated concrete block (ACB), mechanical gate valves and sluice gates.

2.2 Project Experience and References

Submit as **Attachment 2** to this Qualifications Statement:

a) Suggested number of Sheets/Pages:

- 3 sheets/(6 pages)

Three (3) detailed project descriptions for relevant projects that are similar in size and scope to the Contract Work. The project descriptions shall include, at a minimum, the following information presented in the order listed below:

i. Name of project, type of project and location

ii. Description of the project and relevance of work to the Contract Work

iii. Contact information for an owner representative familiar with the firm's work performed on this project. Include name, address, telephone number(s) and e-mail address.

iv. The original bid/proposal price and the final contract price. If the project is ongoing, project the final price and relation to proposal price. Contract value for which the firm was/is responsible.

v. The original date for project completion and the actual completion date. If the project is ongoing, project the completion date and relation to original schedule.

vi. As available, performance ratings of the work evaluated by owner or owner's representative.

2.3 Contractor Safety Record

Submit as **Attachment 3** to this Qualifications Statement the information specified herein and verify this information by providing copies of OSHA 300/200 Forms or appropriate documentation from insurance carriers, as applicable. The firm may submit written explanations to comment on or clarify its safety record.

a) Provide the firm's Workers Compensation Experience Modification Rating for the past three years, beginning with the most recent year available:

Year 1:	2024	0.987
Year 2:	2023	1.025

Year 3: 2022 0.968

b) Provide the firm's Total Lost Workday Incidence Rate (LWDIR) for the past three years, beginning with the most recent year available:

Year 1: 2023 0

Year 2: 2022 0

Year 3: 2021 0

*LWDIR Rate = Number of Lost Time Injuries & Illnesses x 200,000 ÷ Total Hours Worked

c) Provide the firm's Recordable Incidence Rate (RIR) for the past three years:

Year 1: 2023 0

Year 2: 2022 0

Year 3: 2021 0

*RIR Rate = Number of Injuries x 200,000 ÷ Total Hours Worked

d) Provide in an **Attachment 4** to this Qualifications Statement a list of any health or safety citations issued by federal or state agencies for serious or willful violations issued in the past 3 years. Include a separate statement for any such violations and include the citation number, a brief description of the violation and the amount of penalty, if any, for each violation and current status of violation. N/A

SECTION 3 - REQUIRED DISCLOSURES

The firm shall answer the following questions with regard to the past three (3) years. If any question is answered in the affirmative, the firm shall submit in an **Attachment 5** to this Qualifications Statement, for each affirmative answer, a written explanation which shall provide details concerning the matter in question, including applicable dates, locations, names of projects/project owners and current status of any such matter.

3.1 Has the firm ever been debarred or suspended from doing business with any federal, state or local government agency or private entity?

Yes ___ No X

3.2 Is the firm currently or has the firm been otherwise prohibited from doing business with any federal, state or local government agency or private entity?

Yes ___ No X

3.3 Has the firm been denied prequalification (not including short listing), declared non-responsible, or otherwise declared ineligible to submit bids or proposals for work by any federal, state or local government agency or private entity?

Yes ___ No X

3.4 Has the firm defaulted, been terminated for cause or otherwise failed to complete any project that it was awarded?

Yes ___ No X

3.5 Has the firm been assessed or required to pay liquidated damages in connection with work performed on any project?

Yes ___ No _X_

3.6 Has the firm had any business or professional license, registration, certificate or certification suspended or revoked?

Yes ___ No _X_

3.7 Have any liens been filed against the firm as a result of its failure to pay subcontractors, suppliers, or workers?

Yes ___ No _X_

3.8 Has the firm been denied bonding or insurance coverage or been discontinued by a surety or insurance company?

Yes ___ No _X_

3.9 Has the firm been found in violation of any laws, including but not limited to contracting or antitrust laws, tax or licensing laws, labor or employment laws or environmental laws by a final decision of a court or government agency?

Yes ___ No _X_

*Note: information regarding health and safety violations is addressed in a previous section.

3.10 Has the firm or its owners, officers, directors or managers been the subject of any criminal indictment or criminal investigation concerning any aspect of the firm's business?

Yes ___ No _X_

3.11 Has the firm been the subject to any bankruptcy proceeding?

Yes ___ No _X_

SECTION 4 - REQUIRED REPRESENTATIONS

In submitting this Qualifications Statement, along with the representations and authorizations listed on the Proposal Signature page and in the RFP, the firm also makes the following representations, which it understands are required as a condition of performing the Contract Work and receiving payment for same.

4.1 The firm will possess all applicable professional, business and trade licenses required for performing the Contract Work.

4.2 The firm satisfies all bonding and insurance requirements as stipulated in the solicitation for the Contract Work.

4.3 The firm and all subcontractors it employs in execution of the Contract Work shall be in full compliance with the Commonwealth's requirements for workers' compensation insurance according to all applicable laws, and unemployment insurance according to all applicable laws.

4.4 The firm and all subcontractors it employs in execution of the Contract Work shall be in full compliance with all requirements of the Commonwealth's prevailing wage law and Public Works Employment Verification Act.

4.5 If awarded the Contract Work, the firm represents that it will not exceed its current bonding limitations when the Contract Work is combined with the total aggregate amount of all unfinished work for which the Contractor is responsible.

4.6 The firm represents that it has no conflicts of interests with the Commonwealth of Pennsylvania and, if awarded the Contract Work, any potential conflicts of interest that may arise in the future will be disclosed immediately to the Department of General Services.

4.7 The firm represents the price offered in connection with its proposal for the Contract Work was arrived at independently without consultation, communication or agreement with any other Proposer or competitor.

4.8 The firm will ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, sex or national origin.

Appendix F

Attachment 1

List Of All Jurisdictions in where KC Construction Co. is Qualified to do Business.

1. Pennsylvania
    a. Pennsylvania Business License
    b. City of Philadelphia Contractors License
    c. Pennsylvania Department of General Services Small Business Certification
    d. PennDOT Pre-Qualification
2. New Jersey
    a. New Jersey Business Registration
    b. New Jersey Public Works Contractor Registration
    c. New Jersey Division of Property Management and Construction Certificate
3. Delaware
    a. State of Delaware Business License
4. Maryland
    a. State of Maryland Contractor's Business License
5. Virginia
    a. Commonwealth of Virginia Business License
6. Massachusetts
    a. Commonwealth of Massachusetts Foreign Corporation Certificate of Registration

Appendix F - Attachment 1

Pennsylvania Department of State

Bureau of Corporations and Charitable Organizations
PO Box 8722 | Harrisburg, PA 17105-8722
T:717-787-1057
dos.pa.gov/BusinessCharities

Regarding:	KC CONSTRUCTION CO.		
Request Type:	Subsistence Certificate	**Issuance Date:**	March 16, 2023
Request No.:	011569625	**File No.:**	0000785505
Receipt No.:	000421968		
Filing Type:	Domestic Business Corporation		
Filing Subtype:	Business		
Initial Filing Date:	October 17, 1983		
Status:	Active		

TO ALL WHOM THESE PRESENTS SHALL COME, GREETING:

I DO HEREBY CERTIFY THAT

KC CONSTRUCTION CO.

is currently subsisting on the records of the Department of State as of the issuance date herein.

I DO FURTHER CERTIFY THAT this Subsistence Certificate shall not imply that all fees, taxes and penalties owed to the Commonwealth of Pennsylvania are paid.

COMMONWEALTH OF PENNSYLVANIA • DEPARTMENT OF STATE •

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the seal of my office to be affixed, the day and year above written

Albert Schmidt
Acting Secretary of the Commonwealth

Verify this certificate online at www.file.dos.pa.gov

SHEPPARD-MYERS DAM REHABILITATION

Hanover, York County, PA

OWNER:
THE BOROUGH OF HANOVER
HANOVER, PA
Eric Mains
(717) 797-4210 |
emains@hanoverboroughpa.gov

ENGINEER:
Gannett Fleming
Camp Hill, PA
Craig Snyder
(717) 886-5475 csnyder@gfnet.com

ORIGINAL CONTRACT PRICE
$10,846,975
FINAL CONTRACT PRICE
$10,484,164
CONTRACT COMPLETION DATE
August 2023
ACTUAL COMPLETION DATE
July 2023

PROJECT: **Sheppard-Myers Dam Rehabilitation**

LOCATION: Hanover, York County, PA

PROJECT TYPE: Dam Rehabilitation

PROJECT ROLE: Prime Contractor

DESCRIPTION OF PROJECT:

The Sheppard-Myers Dam is a 38 ft high, 760 LF wide, high hazard classified earth embankment dam located in West Manheim Township, Pennsylvania. The Project consists of the rehabilitation of the existing Dam generally including:

- Installation and maintenance of control of water cofferdams and dewatering sumps and wells necessary to protect the work.
- Permanent storm drainage bypass.
- Regrading of the upstream reservoir approach channel
- Demolition, removal, and protection of existing concrete structures, masonry structures and other features designated for demolition.
- New reinforced watertight cast-in-place concrete auxiliary spillway structure.
- Modifications and repairs to the existing principal spillway intake tower including the removal of existing flap valve, removal of existing and installation of new gate valves, slide gates, and related appurtenances, installation of new trash racks, instrumentation, and controls.
- Concrete repairs and modifications to the existing principal spillway intake tower, pedestrian bridge, outlet conduit, outlet structure, and outlet channel.
- Removal of existing outlet structure and discharge channel.
- Masonry and concrete repairs.
- New reinforced concrete outlet conduit extension, outlet structure and outlet channel slab.
- Dam embankment modifications including toe drains, blanket drains, drainage filters and seepage collection systems.
- Installation and raising of Piezometers.
- Construction of abutment berm, parking lot, realigned site access road.
- Associated storm water management facilities and,
- Electrical improvements and monitoring instrumentation and associated controls.

PROJECT TEAM:

John Lima, PE | President

Gino Yannuzzelli | VP/Operations

Bobby Machiesky | Project Manager & Surveyor

Steve Sickler | Site Superintendent

MEADOW GROUNDS LAKE DAM REHABILITATION

FULTON COUNTY, PA

OWNER:
PENNSYLVANIA
FISH & BOAT COMMISSION
Harrisburg, PA
Gerald Woomer, PE
(814) 359-5170
gwoomer@pa.gov

ENGINEER:
D'APPLONIA
DIVISION OF GROUND TECHNOLOGY, INC.
Pittsburgh, PA
Aaron Antell
(412) 229-1596
AJAntell@dappolonia.com

ORIGINAL CONTRACT PRICE
$5,090,000
FINAL CONTRACT PRICE
$ 5,172,623
CONTRACT COMPLETION DATE
April 2021
ACTUAL COMPLETION DATE
April 2021

PROJECT: **Meadow Grounds Lake Dam Rehabilitation**

LOCATION: Fulton County, PA

PROJECT TYPE: Rehabilitation of Existing Earthen Dam Appurtenant Structures

PROJECT ROLE: Prime Contractor

DESCRIPTION OF PROJECT:

The Meadow Grounds Lake Dam is a 40 ft high, 950 LF wide, high hazard classified earth embankment dam located in Ayer Township, Fulton County, Pennsylvania. The Meadow Grounds Dam Rehabilitation Project comprises modifying the dam and appurtenant structures to meet current dam safety criteria and design standards. Construction activities generally include removal of the existing concrete spillway structure, construction of a cast-in-place concrete replacement spillway and stilling basin, slip-lining the existing cast-in-place principal spillway conduit with pipe, modifications and improvements to the existing control tower, installing a seepage collection/toe drain and conveyance system consisting of a sand and stone filter with PVC pipe and a sand chimney/blanket drain, flattening the downstream slope, and raising dam crest approximately 3.6 feet. Work activities include:

- Clearing, grubbing and stripping of topsoil in earthwork areas.
- Demolition and removal of the existing cast-in-place concrete spillway.
- Control of water cofferdams and dewatering to complete all construction activities.
- Excavation, subgrade preparation, placement of general and embankment fill.
- Construction of seepage collection and conveyance system that includes an aggregate chimney drain, aggregate blanket drain, aggregate abutment trench drain, and piping system for collection and controlled discharge of water.
- Construction of watertight concrete spillway, concrete spillway channel, and concrete stilling basin.
- Construction of permanent erosion protection ancillary to concrete spillway.
- Slip-lining and extension of existing concrete principal spillway conduit.
- Improvements to control tower including installing sluice gate and assemblies ancillary to the operation of the sluice gate.
- Installation and maintenance of all Erosion and Sedimentation Control features necessary for completion of the project.
- Installation of standpipe piezometers in dam embankment.
- Site restoration and revegetation.

PROJECT TEAM:

John Lima, PE | President	Gino Yannuzzelli | VP/Operations
Derek Fuller, PE | Project Manager	Schnabel Engineering | Consulting Engineer
Chris Knash | Onsite Superintendent	Darren Rascher | Site Foreman

REHABILITATION OF PIKES CREEK DAM

LUZERNE COUNTY, PA

OWNER:
PENNSYLVANIA AMERICAN WATER
852 Wesley Drive
Mechanicsburg, PA 17055
Anthony Nokovich, P.E.
(717) 691-2138

ENGINEER:
GANNETT FLEMING
207Senate Avenue
Camp Hill, PA
Scott Brough
800-233-1055
sbrough@gfnet.com

ORIGINAL CONTRACT PRICE
$14,464,941
FINAL CONTRACT PRICE
$14,434,413

ORIGINAL COMPLETION DATE
December 2018
ACTUAL COMPLETION DATE
December 2017

PROJECT: Rehabilitation of Pikes Creek Dam

PROJECT TYPE: Rehabilitation of Existing Dam

LOCATION: Luzerne County, PA

DESCRIPTION OF PROJECT:

Rehab of an existing earth filled dam with a 2,155' long crest, maximum embankment height of 65' and a storage capacity of 9,026-acre feet. Work activities include:

- Clearing and Grubbing
- Design, installation and operation of a temporary dewatering wells
- Design, installation and removal of earthen and porta-dam cofferdams
- 40,000 cy of rock excavation for new auxiliary spillway and channel
- Demolition of the existing concrete auxiliary spillway
- Rock anchors for new auxiliary spillway
- Installation of a new 2,500 CY cast in place auxiliary spillway sill
- Install pre-cast Fusegate Control Structures at auxiliary spillway
- Installation of downstream embankment toe filters and foundation drainage system
- Screen Process and Placement of 42,000 cy of select fill at embankment
- 5,200 cy of rip rap protection at upstream embankment
- DIP Outlet conduit modifications
- Concrete restoration of main spillway
- Abandon existing piezometers
- Furnish and install new piezometers
- Demo existing upstream underwater closure valves and aeration system
- Furnish and install new underwater closure valves and aeration system

PROJECT TEAM:

John Lima, PE | Vice President Operations

Gino Yannuzzelli | Project Manager

Robert Machiesky, Jr. | Site Superintendent

THE Safegard GROUP, INC.

INSURANCE BROKERS AND CONSULTANTS

April 25, 2024

KC Construction Company
Attn: Wayne Randall
1737 Stout Drive
Ivyland, PA 18974

Re: PA Workers Compensation Experience Modification Ratings
Policy Terms: 2024, 2023, 2022, 2021, 2020
Bureau file Number: 2663455

Dear Wayne:

This is to confirm that the 4 year history of Pennsylvania Experience Modification Rates are as follows:

Effective Date	Expiration Date	Experience Rating Modification
06/01/2024	06/01/2025	0.987
06/01/2023	06/01/2024	1.025
06/01/2022	06/01/2023	0.968
06/01/2021	06/01/2022	0.774
07/01/2020	06/01/2021	0.760
07/01/2019	07/01/2020	0.754

Should you have any questions or require additional information, please contact me.

Sincerely,

Lauren Anderson

Lauren Anderson
Account Assistant

100 Granite Drive – Suite 205 – Media, PA 19063
OFFICE 610-892-7688 – FAX 610-892-7695
www.safegardgroup.com

Appendix F - Attachment 3

OSHA's Form 300 (Rev. 01/2004)

Log of Work-Related Injuries and Illnesses

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Year 2023

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

You must record information about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid. You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an injury and illness incident report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.

Establishment name KC Construction Co.

City Ivyland State PA

Identify the person			Describe the case			Classify the case											
						CHECK ONLY ONE box for each case based on the most serious outcome for that case:				Enter the number of days the injured or ill worker was:		Check the "injury" column or choose one type of illness:					
								Remained at work				(M)					
(A) Case No.	(B) Employee's Name	(C) Job Title (e.g., Welder)	(D) Date of injury or onset of illness (mo./day)	(E) Where the event occurred (e.g. Loading dock north end)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g. Second degree burns on right forearm from acetylene torch)	Death	Days away from work	Job transfer or restriction	Other record-able cases	Away From Work (days)	On job transfer or restriction (days)	Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
						(G)	(H)	(I)	(J)	(K)	(L)	(1)	(2)	(3)	(4)	(5)	(6)
	None																
					Page totals	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*

Be sure to transfer these totals to the Summary page (Form 300A) before you post it.

Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses	
(1)	(2)	(3)	(4)	(5)	(6)	

Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

Page 1 of 1

Appendix F - Attachment 3

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Year 2023

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	0
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
0	0
(K)	(L)

Injury and Illness Types

Total number of…	(M)		
(1) Injury	0	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0
(3) Respiratory Condition	0	(6) All Other Illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Establishment information

Your establishment name: KC Construction Co.

Street: 1737 Stout Drive

City: Ivyland State: PA Zip: 18974

Industry description (e.g., Manufacture of motor truck trailers)
Construction

Standard Industrial Classification (SIC), if known (e.g., SIC 3715)

OR North American Industrial Classification (NAICS), if known (e.g., 336212)
2 3 7 1 1 0

Employment information

Annual average number of employees: 28

Total hours worked by all employees last year: 54,913

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Company Executive

Vice President
Title

215-443-5553
Phone

1/3/2024
Date

Appendix F - Attachment 3

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Year 2022

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

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Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	0
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
0	0
(K)	(L)

Injury and Illness Types

Total number of… (M)			
(1) Injury	0	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0
(3) Respiratory Condition	0	(6) All Other Illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Establishment information

Your establishment name KC Construction Co.

Street 1737 Stout Drive

City Ivyland State PA Zip 18974

Industry description (e.g., Manufacture of motor truck trailers)
Construction

Standard Industrial Classification (SIC), if known (e.g., SIC 3715)

OR North American Industrial Classification (NAICS), if known (e.g., 336212)
2 3 7 1 1 0

Employment information

Annual average number of employees 33

Total hours worked by all employees last year 63,214

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Company executive

Vice President
Title

215-443-5553
Phone

1/31/2023
Date

Appendix F - Attachment 3

OSHA's Form 300A (Rev. 01/2004)
Summary of Work-Related Injuries and Illnesses

Year 2021

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	0
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
0	0
(K)	(L)

Injury and Illness Types

Total number of...	(M)		
(1) Injury	0	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0
(3) Respiratory Condition	0	(6) All Other Illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Establishment information

Your establishment name KC Construction Co.

Street 1737 Stout Drive

City Ivyland State PA Zip 18974

Industry description (e.g., Manufacture of motor truck trailers)
Construction

Standard Industrial Classification (SIC), if known (e.g., SIC 3715)

OR North American Industrial Classification (NAICS), if known (e.g., 336212)
2 3 7 1 1 0

Employment information

Annual average number of employees 36

Total hours worked by all employees last year 68,229

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Company executive

Vice President
Title

215-443-5553
Phone

1/7/2022
Date

Appendix F - Attachment 3

OSHA's Form 300 (Rev. 01/2004)

Log of Work-Related Injuries and Illnesses

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Year 2021

U.S. Department of Labor
Occupational Safety and Health Administration

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Form approved OMB no. 1218-0176

Establishment name KC Construction Co.

City Ivyland State PA

Identify the person			Describe the case			Classify the case											
						CHECK ONLY ONE box for each case based on the most serious outcome for that case:				Enter the number of days the injured or ill worker was:		Check the "injury" column or choose one type of illness:					
(A) Case No.	(B) Employee's Name	(C) Job Title (e.g., Welder)	(D) Date of injury or onset of illness (mo./day)	(E) Where the event occurred (e.g. Loading dock north end)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g. Second degree burns on right forearm from acetylene torch)	Death	Days away from work	Remained at work		Away From Work (days)	On job transfer or restriction (days)	(M) Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
								Job transfer or restriction	Other record-able cases								
						(G)	(H)	(I)	(J)	(K)	(L)	(1)	(2)	(3)	(4)	(5)	(6)
					Page totals	0	0	0	0	0	0	0	0	0	0	0	0

Be sure to transfer these totals to the Summary page (Form 300A) before you post it.

Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

Page 1 of 1

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 1. Project Team Qualifications, Experience and Past Performance

T-1C Critical Work

(Appendix G)

APPENDIX G

DESIGNATED CRITICAL WORK QUALIFICATIONS STATEMENT

APPENDIX G
DESIGNATED CRITICAL WORK
QUALIFICATIONS STATEMENT

COVER SHEET

DGS Project Name Marquette Lake Dam Rehabilitation and Improvements

DGS Project Number C-0960-0086 Phase 1

DESIGNATED CRITICAL WORK: For proper evaluation, the Proposer MUST submit at least one "Designated Critical Work Qualification Statement" for each Work item listed in T-1C for the respective contract. NOTE: The selected Proposer shall enter subcontracts with each listed subcontractor in T-1C.

Check One Work item for which this Qualification Statement is being submitted:

General Construction (.1 contract)

__X__ Cast-in-place Concrete spillways with watertight waterstop joints

_____ Graded aggregate filterdrain construction

_____ Earthwork including placement and compaction of fill material for earthen dam embankments

Name of Firm Performance Construction Company

Address 25 South Centre Street, Pottsville PA 17901

Principal Office Quandel Enterprises, LLC

Owner or Authorized Representative Eric Eichenberg

SECTION 1 – FIRM INFORMATION

1.1 Background Information

a) How many years has the firm been in business? 28 years

b) How many years has the firm been doing business in proposed contract field? 28 years

Under what former names has the firm conducted business?

Quandel Construction Services, Corp
Performance Labor Services, Inc.
Performance Construction Services, Inc.
Susquehanna Supply Company

c) Identify all jurisdictions in which the firm is licensed or otherwise qualified to do business.

Pennsylvania | Ohio | | |
New York | | | |

d) If the firm is a corporation, provide the following information:

Date of incorporation 05-04-1995
State of incorporation Pennsylvania
President's name Vance Martin
Vice President's name(s) Eric Eichenberg
Secretary's name Kelyn Eichenberg
Treasurer's name Don Deegan

e) If the firm is a partnership, provide the following information:

Date of formation _____
Type of partnership _____
Names of partners _____

f) If the firm is individually owned, provide the following information:

Date of formation _____
Name of owner _____

g) If the form of the firm is other than those listed above, describe it and name the principals:

_____

_____

SECTION 2 - EXPERIENCE AND PERFORMANCE

2.1 General

a) Provide the annual construction volume in dollars completed by the firm in the past three years:

Year 2023 $ 49,925,086.00

Year 2022 $ 24,932,685.00

Year 2021 $ 24,998,528.00

b) Identify the percentage of work on similar projects the firm typically performs with its own work force 80%

c) List the categories of work that the firm normally performs with its own forces on similar projects. Cast in Place Concrete
General Trades
Structural Concrete
Water/Wastewater Treatment

2.2 Project Experience and References

Submit as **Attachment 1** to this Qualifications Statement:

a) Suggested number of Sheets/Pages:

- 3 sheets/(6 pages)

Three (3) detailed project descriptions for relevant projects similar in size and scope to the Contract Work. The project descriptions shall include, at a minimum, the following information presented in the order listed below:

vii. Name of project, type of project and location

viii. Description of the project and relevance of work to the Contract Work

ix. Contact information for an owner representative familiar with the firm's work performed on this project. Include name, address, telephone number(s) and e-mail address.

x. The original bid/proposal price and the final contract price. If the project is ongoing, project the final price and relation to proposal price. Contract value for which the firm was/is responsible.

xi. The original date for project completion and the actual completion date. If the project is ongoing, project the completion date and relation to original schedule.

xii. As available, performance ratings of the work evaluated by owner or owner's representative.

2.3 Contractor Safety Record

Submit as **Attachment 2** to this Qualifications Statement the information specified herein and verify this information by providing copies of OSHA 300/200 Forms or appropriate documentation from insurance carriers, as applicable. The firm may submit written explanations to comment on or clarify its safety record.

a) Provide the firm's Workers Compensation Experience Modification Rating for the past three years, beginning with the most recent year available:

Year 1:	2023	.848
Year 2:	2022	.744

Year 3: 2021 .680

b) Provide the firm's Total Lost Workday Incidence Rate (LWDIR) for the past three years, beginning with the most recent year available:

Year 1: 2023 1.78

Year 2: 2022 1.62

Year 3: 2021 11.18

*LWDIR Rate = Number of Lost Time Injuries & Illnesses x 200,000 ÷ Total Hours Worked

c) Provide the firm's Recordable Incidence Rate (RIR) for the past three years:

Year 1: 2023 1.78

Year 2: 2022 4.86

Year 3: 2021 3.73

*RIR Rate = Number of Injuries x 200,000 ÷ Total Hours Worked

d) Provide in an **Attachment 3** to this Qualifications Statement a list of any health or safety citations issued by federal or state agencies for serious or willful violations issued in the past 3 years. Include a separate statement for any such violations and include the citation number, a brief description of the violation and the amount of penalty, if any, for each violation and current status of violation.

SECTION 3 - REQUIRED DISCLOSURES

The firm shall answer the following questions with regard to the past three (3) years. If any question is answered in the affirmative, the firm shall submit in an **Attachment 5** to this Qualifications Statement, for each affirmative answer, a written explanation which shall provide details concerning the matter in question, including applicable dates, locations, names of projects/project owners and current status of any such matter.

3.1 Is the firm currently debarred or suspended from doing business with any federal, state or local government agency or private entity?

Yes ___ No x

3.2 Has the firm ever been debarred or suspended from doing business with any federal, state or local government agency or private entity?

Yes ___ No x

3.3 Is the firm currently or has the firm been otherwise prohibited from doing business with any federal, state or local government agency or private entity?

Yes ___ No x

3.4 Has the firm been denied prequalification (not including short listing), declared non-responsible, or otherwise declared ineligible to submit bids or proposals for work by any federal, state or local government agency or private entity?

Yes ___ No x

3.5 Has the firm defaulted, been terminated for cause or otherwise failed to complete any project that it was awarded?

Yes ___ No _x_

3.6 Has the firm been assessed or required to pay liquidated damages in connection with work performed on any project?

Yes ___ No _x_

3.7 Has the firm had any business or professional license, registration, certificate or certification suspended or revoked?

Yes ___ No _x_

3.8 Have any liens been filed against the firm as a result of its failure to pay subcontractors, suppliers, or workers?

Yes ___ No _x_

3.9 Has the firm been denied bonding or insurance coverage or been discontinued by a surety or insurance company?

Yes ___ No _x_

3.10 Has the firm been found in violation of any laws, including but not limited to contracting or antitrust laws, tax or licensing laws, labor or employment laws or environmental laws by a final decision of a court or government agency?

Yes ___ No _x_

*Note: information regarding health and safety violations is addressed in a previous section.

3.11 Has the firm or its owners, officers, directors or managers been the subject of any criminal indictment or criminal investigation concerning any aspect of the firm's business?

Yes ___ No _x_

3.12 Has the firm been the subject to any bankruptcy proceeding?

Yes ___ No _x_

SECTION 4 - REQUIRED REPRESENTATIONS

In submitting this Qualifications Statement, along with the other representations and authorizations listed in the RFP, the firm also makes the following representations, which it understands are required as a condition of performing the Contract Work and receiving payment for same.

4.1 The firm will possess all applicable professional, business and trade licenses required for performing the Contract Work.

4.2 The firm satisfies all bonding and insurance requirements as stipulated in the solicitation for the Contract Work.

4.3 The firm and all subcontractors it employs in execution of the Contract Work shall be in full compliance with the Commonwealth's requirements for workers' compensation insurance according to all applicable laws, and unemployment insurance according to all applicable laws.

4.4 The firm and all subcontractors it employs in execution of the Contract Work shall be in full compliance with all requirements of the Commonwealth's prevailing wage law and Public Works Employment Verification Act.

4.5 If awarded the Contract Work, the firm represents that it will not exceed its current bonding limitations when the Contract Work is combined with the total aggregate amount of all unfinished work for which the Contractor is responsible.

4.6 The firm represents that it has no conflicts of interests with the Commonwealth of Pennsylvania and, if awarded the Contract Work, any potential conflicts of interest that may arise in the future will be disclosed immediately to the Department of General Services.

4.7 The firm represents the price offered in connection with its proposal for the Contract Work was arrived at independently without consultation, communication or agreement with any other Proposer or competitor.

4.8 The firm will ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, sex or national origin.

BOROUGH OF HANOVER

SHEPPARD MEYERS DAM

LOCATION | Hanover, PA
SIZE | 4,080 Cubic Yards
PROJECT TYPE | Rehabilation
CONST. BUDGET | $3.2 Million
CONST. COST | $3.2 Million

CONST. START | July 2021
CONST. COMPLETION | December 2022
DELIVERY METHOD | Subcontractor
ARCHITECT | Gannett Fleming

Our firm was hired to complete the auxiliary spillway slabs, auxiliary spillway battered training wall footers and outlet structure slabs.

Also included in our scope of work was the removal existing intake tower beam, shear studs for intake tower beam, embedded plates with welded threaded rod and drilling botoom beam flanges for intake tower walkway column replacement, weir walls and training walls, and contract joint treatment at top of labyrinth weir and joint materials.

3,920 LF of PVC Waterstop was installed. We installed 110 LF ofSurface-Applied Waterstop at joints between new concrete and rock/existing concrete and any previously placed concrete.

OWNER CONTACT INFO
Ms. Dorothy C Felix
Borough Secretary
Borough of Hanover
44 Frederick Street
Hanover, PA 17331
717-797-4213
dfelix@hanoverboroughpa.gov

PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES

MEADOWS GROUNDS LAKE DAM

LOCATION | Fulton County, PA
SIZE | 204 acre reservoir
PROJECT TYPE | Rehabilitation
CONST. COST | $1.1 Million
CONST. START | July 2020

CONST. COMPLETION | October 2020
DELIVERY METHOD | Subcontractor
ARCHITECT | D'Appolonia

Performance Construction Services was hired to construct a new spillway, control tower bulkhead, and cast-in-place box culvert and outlet structure. The project included:

- Placement of approximately 460 cubic yards of PennDOT Class C concrete backfill over excavated top of rock surfaces
- Installation of a one-sided cut-off wall, formed cut-off wall to be placed monolithically with the uppermost 15' of spillway slabs
- Spillway slabs, sloped slabs, and stilling basin
- Concrete bulkhead at Control Tower

OWNER CONTACT INFO
Mr. Reggie McNeil
Secretary
Department of General Services
401 North Street
Harrisburg, PA 17120
717.787.5996

PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES

MINSI LAKE DAM REPAIR/SPILLWAY

LOCATION | Bangor, PA
SIZE | 29 foot wide spillway
PROJECT TYPE | Rehabilitation
CONST. BUDGET | $1.3 Million
CONST. COST | $1.3 Million

CONST. START | May 2019
CONST. COMPLETION | September 2019
DELIVERY METHOD | Subcontractor
ENGINEER | Schnabel Engineering

Performance Construction Services was hired to construct a new labyrinth stepped spillway with energy dissipating blocks.

The spillway was 125 liner feet wide, 88 linear feet long and contained 2,300 cubic yards of Class AAA concrete.

The spillway contained approximately 2,300 linear feet of water stop.

OWNER CONTACT INFO
Mr. Reggie McNeil
Secretary
Department of General Services
401 North Street
Harrisburg, PA 17120
717.787.5996

OSHA's Form 300 (Rev. 01/2004)

Log of Work-Related Injuries and Illnesses

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Year 2023

U.S. Department of Labor
Occupational Safety and Health Administration

You must record information about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid. You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an injury and illness incident report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.

Form approved OMB no. 1218-0176

Establishment name: Performance Construction Company

City: Pottsville State: PA

Identify the person			Describe the case			Classify the case											
						CHECK ONLY ONE box for each case based on the most serious outcome for that case:				Enter the number of days the injured or ill worker was:		Check the "injury" column or choose one type of illness:					
(A) Case No.	(B) Employee's Name	(C) Job Title (e.g., Welder)	(D) Date of injury or onset of illness (mo./day)	(E) Where the event occurred (e.g. Loading dock north end)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g. Second degree burns on right forearm from acetylene torch)	Death	Days away from work	Remained at work		Away From Work (days)	On job transfer or restriction (days)	(M) Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
								Job transfer or restriction	Other record-able cases								
						(G)	(H)	(I)	(J)	(K)	(L)	(1)	(2)	(3)	(4)	(5)	(6)
1		**Superintendent**	**8/16**	**Flat Rock Dam**	Employee was injecting epoxy into hole and as he released the pressuire on the injection device it bounced up and struck him on the bridge of his nose causing a laceration				**X**			**X**					
2		**Carpenter**	**10/4**	**Flat Rock Dam**	Generator Exploded and burned employee		**X**			180		**X**					
3		**Carpenter**	**10/4**	**Flat Rock Dam**	Generator Exploded and burned employee		**X**			110		**X**					
4		**Carpenter**	**10/4**	**Flat Rock Dam**	Generator Exploded and burned employee		**X**			110		**X**					
5		**Carpenter**	**10/4**	**Flat Rock Dam**	Generator Exploded and burned employee		**X**			180		**X**					
6		**Superintendent**	**10/4**	**Flat Rock Dam**	Generator Exploded and burned employee		**X**			120		**X**					
7		**Foremen**	**10/4**	**Flat Rock Dam**	Generator Exploded and burned employee		**X**			180		**X**					
					Totals		**6**		**1**	**880**							

Be sure to transfer these totals to the Summary page (Form 300A) before you post it.

	Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
	(1)	(2)	(3)	(4)	(5)	(6)

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Must Remain Posted until May 1, 2024

Year 2023

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	6	0	1
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
880	0
(K)	(L)

Injury and Illness Types

Total number of…	(M)		
(1) Injury	7	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0
(3) Respiratory Condition	0	(6) All Other Illnesses	0

Establishment information

Your establishment name: Performance Construction Company

Street: 25 S. Centre Street

City: Pottsville State: PA Zip: 17901

Industry description (e.g., Manufacture of motor truck trailers)
Commercial Construction

Standard Industrial Classification (SIC), if known (e.g., SIC 3715)

OR North American Industrial Classification (NAICS), if known (e.g., 336212)
2 3 6 6 2 2 2 0

Employment information

Annual average number of employees: 68

Total hours worked by all employees last year: 137,779

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Eric Eichenberg

Vice President
Title

717-671-9011
Phone

1/12/2024
Date

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

OSHA's Form 300 (Rev. 01/2004)

Log of Work-Related Injuries and Illnesses

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Year 2022

U.S. Department of Labor
Occupational Safety and Health Administration

You must record information about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid. You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an injury and illness incident report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.

Form approved OMB no. 1218-0176

Establishment name: Performance Construction Company

City: Pottsville State: PA

Identify the person				Describe the case		Classify the case											
						CHECK ONLY ONE box for each case based on the most serious outcome for that case:				Enter the number of days the injured or ill worker was:		Check the "injury" column or choose one type of illness:					
(A) Case No.	(B) Employee's Name	(C) Job Title (e.g., Welder)	(D) Date of injury or onset of illness (mo./day)	(E) Where the event occurred (e.g. Loading dock north end)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g. Second degree burns on right forearm from acetylene torch)	Death	Days away from work	Remained at work		Away From Work (days)	On job transfer or restriction (days)	(M) Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
								Job transfer or restriction	Other record-able cases								
						(G)	(H)	(I)	(J)	(K)	(L)	(1)	(2)	(3)	(4)	(5)	(6)
22-1		**Carpenter**	**07/14**	**LCTA Transit Facility**	Injured worker was assembling form work for footers when he tripped over rebar and fell breaking his left wrist		**X**			**47**	**11**	**X**					
22-2		**Operator**	**10/12**	**Modern Landfill**	Injured worker was pulling nails from formwork and nail gave way quickly causing him to bump his right elbow against rebar. Elbow Contusion				**X**			**X**					
22-3		**Carpenter**	**10/25**	**Spruce St Culvert-Frackville**	Injured worker was standing next to Jersey Barrier when it was struck by a truck forcing it into his left great toe. Broken Toe				**X**			**X**					
				Totals			***1***			***47***	***11***	***1***					

Be sure to transfer these totals to the Summary page (Form 300A) before you post it.

	Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
	(1)	(2)	(3)	(4)	(5)	(6)

Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Must Remain Posted until May 1, 2023

Year 2022

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	1	0	2
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
47	11
(K)	(L)

Injury and Illness Types

Total number of...	(M)		(M)
(1) Injury	3	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0
(3) Respiratory Condition	0	(6) All Other Illnesses	0

Establishment information

Your establishment name: Performance Construction Company

Street: 25 S. Centre Street

City: Pottsville State: PA Zip: 17901

Industry description (e.g., Manufacture of motor truck trailers)
Commercial Construction

Standard Industrial Classification (SIC), if known (e.g., SIC 3715)
____ ____ ____ ____

OR North American Industrial Classification (NAICS), if known (e.g., 336212)
2 3 6 2 2 0

Employment information

Annual average number of employees: 82

Total hours worked by all employees last year: 123,348

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Jerome Urban — President and CEO (Title)

717-671-9011 (Phone) — (Date)

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

OSHA's Form 300 (Rev. 01/2004)

Log of Work-Related Injuries and Illnesses

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Year 2021

U.S. Department of Labor
Occupational Safety and Health Administration

You must record information about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid. You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an injury and illness incident report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.

Form approved OMB no. 1218-0176

Establishment name: Performance Construction Company

City: Pottsville State: PA

Identify the person				Describe the case		Classify the case											
						CHECK ONLY ONE box for each case based on the most serious outcome for that case:				Enter the number of days the injured or ill worker was:		Check the "injury" column or choose one type of illness:					
(A) Case No.	(B) Employee's Name	(C) Job Title (e.g., Welder)	(D) Date of injury or onset of illness (mo./day)	(E) Where the event occurred (e.g. Loading dock north end)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g. Second degree burns on right forearm from acetylene torch)	Death	Days away from work	Remained at work		Away From Work (days)	On job transfer or restriction (days)	(M) Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
								Job transfer or restriction	Other record-able cases								
						(G)	(H)	(I)	(J)	(K)	(L)	(1)	(2)	(3)	(4)	(5)	(6)
1		Carpenter	10/11	PA American Water - Hershey	Employee was assisting in repositioning of a 24 inch valve. While raising the valve from the floor the valve spun and trapped employees ankle against pipe laying on the floor. Fractured Right ankle		X			34	39	X					
					Page totals	*0*	*1*	0	*0*	*34*	*39*	*1*	*0*	*0*	*0*	*0*	*0*

Use totals to the Summary page (Form 300A) before you post it.

Injury | Skin Disorder | Respiratory Condition | Poisoning | Hearing Loss | All other illnesses

Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

(1) (2) (3) (4) (5) (6)

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Must Remain Posted until May 1, 2022

Year 2021

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	1	0	0
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
34	39
(K)	(L)

Injury and Illness Types

Total number of...	(M)		(M)
(1) Injury	1	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0
(3) Respiratory Condition	0	(6) All Other Illnesses	0

Establishment information

Your establishment name: Performance Construction Company

Street: 25 S. Centre Street

City: Pottsville State: PA Zip: 17901

Industry description (e.g., Manufacture of motor truck trailers)
Commercial Construction

Standard Industrial Classification (SIC), if known (e.g., SIC 3715)

OR North American Industrial Classification (NAICS), if known (e.g., 336212)
2 3 6 2 2 0

Employment information

Annual average number of employees: 60

Total hours worked by all employees last year: 53,863

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Jerome Urban -

President and CEO
Title

717-671-9011
Phone

1/7/2022
Date

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

OSHA's Form 301
Injuries and Illnesses Incident Report

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

This *Injury and Illness Incident Report* is one of the first forms you must fill out when a recordable work-related injury or illness has occurred. Together with the *Log of Work-Related injuries and Illnesses* and the accompanying *Summary*, these forms help the employer and OSHA develop a picture of the extent and severity of work-related incidents.

Within 7 calendar days after you receive information that a recordable work-related injury or illness has occurred, you must fill out this form or an equivalent. Some state workers' compensation, insurance, or other reports may be acceptable substitutes. To be considered an equivalent form, any substitute must contain all the information asked for on this form.

According to Public Law 91-596 and 29 CFR 1904, OSHA's recordkeeping rule, you must keep this form on file for 5 years following the year to which it pertains

If you need additional copies of this form, you may photocopy and use as many as you need.

Completed by _____

Title _____

Phone _____ Date _____

Information about the employee

1) Full Name _____

2) Street _____

City _____ State _____ Zip _____

3) Date of birth _____

4) Date hired _____

5) ☐ Male
☒ Female
x

Information about the physician or other health care professional

6) Name of physician or other health care professional

_____

_____

7) If treatment was given away from the worksite, where was it given?

Facility _____

Street _____

City _____ State _____ Zip _____

8) Was employee treated in an emergency room?
☐ Yes
☐ No

9) Was employee hospitalized overnight as an in-patient?
☐ Yes
☐ No

Information about the case

10) Case number from the Log _____ *(Transfer the case number from the Log after you record the case.)*

11) Date of injury or illness _____

12) Time employee began work _____ AM/PM

13) Time of event _____ AM/PM ☐ Check if time cannot be determined

*Please do not include any personally identifiable information (PII) pertaining to worker(s) involved in the incident (e.g., no names, phone numbers, or SSNs) in the following fields.

*14) **What was the employee doing just before the incident occurred?** Describe the activity, as well as the tools, equipment or material the employee was using. Be specific. Examples: "climbing a ladder while carrying roofing materials"; "spraying chlorine from hand sprayer"; "daily computer key-entry."

*15) **What happened?** Tell us how the injury occurred. Examples: "When ladder slipped on wet floor, worker fell 20 feet"; "Worker was sprayed with chlorine when gasket broke during replacement"; "Worker developed soreness in wrist over time."

*16) **What was the injury or illness?** Tell us the part of the body that was affected and how it was affected. Examples: "strained back"; "chemical burn, hand"; "carpal tunnel syndrome."

*17) **What object or substance directly harmed the employee?** Examples: "concrete floor"; "chlorine"; "radial arm saw." If this question does not apply to the incident, leave it blank.

18) **If the employee died, when did death occur?** Date of death

APPENDIX G

DESIGNATED CRITICAL WORK QUALIFICATIONS STATEMENT

APPENDIX G
DESIGNATED CRITICAL WORK
QUALIFICATIONS STATEMENT

COVER SHEET

DGS Project Name Marquette Lake Dam - Rehabilitation

DGS Project Number C-0960-0086.1

DESIGNATED CRITICAL WORK: For proper evaluation, the Proposer MUST submit at least one "Designated Critical Work Qualification Statement" for each Work item listed in T-1C for the respective contract. NOTE: The selected Proposer shall enter subcontracts with each listed subcontractor in T-1C.

Check One Work item for which this Qualification Statement is being submitted:

General Construction (.1 contract)

_____ Cast-in-place Concrete spillways with watertight waterstop joints

__X__ Graded aggregate filterdrain construction

__X__ Earthwork including placement and compaction of fill material for earthen dam embankments

Name of Firm KC Construction Co.

Address 1737 Stout Drive, Ivyland, PA 18974

Principal Office Same

Owner or Authorized Representative Gino Yannuzzelli

SECTION 1 – FIRM INFORMATION

1.1 Background Information

a) How many years has the firm been in business? 40 Years

b) How many years has the firm been doing business in proposed contract field? 36 Years

Under what former names has the firm conducted business?

KC Engineering and Construction Company

c) Identify all jurisdictions in which the firm is licensed or otherwise qualified to do business.

Pennsylvania, New Jersey, Delaware, Maryland, Virginia, Massachusetts

d) If the firm is a corporation, provide the following information:

Date of incorporation: October 17, 1983

State of incorporation: Pennsylvania

President's name: John V. Lima

Vice President's name(s): Gino Yannuzzelli

Secretary's name: Gino Yannuzzelli

Treasurer's name: John V. Lima

e) If the firm is a partnership, provide the following information:

Date of formation: _____

Type of partnership: _____

Names of partners: _____

f) If the firm is individually owned, provide the following information:

Date of formation: _____

Name of owner: _____

g) If the form of the firm is other than those listed above, describe it and name the principals:

_____

_____

SECTION 2 - EXPERIENCE AND PERFORMANCE

2.1 General

a) Provide the annual construction volume in dollars completed by the firm in the past three years:

Year 2023 $ 12,790,741

Year 2022 $ 16,618.240

Year 2021 $ 15,339,475

b) Identify the percentage of work on similar projects the firm typically performs with its own work force 65%

c) List the categories of work that the firm normally performs with its own forces on similar projects.

2.2 Project Experience and References

Submit as **Attachment 1** to this Qualifications Statement:

a) Suggested number of Sheets/Pages:

- 3 sheets/(6 pages)

Three (3) detailed project descriptions for relevant projects similar in size and scope to the Contract Work. The project descriptions shall include, at a minimum, the following information presented in the order listed below:

vii. Name of project, type of project and location

viii. Description of the project and relevance of work to the Contract Work

ix. Contact information for an owner representative familiar with the firm's work performed on this project. Include name, address, telephone number(s) and e-mail address.

x. The original bid/proposal price and the final contract price. If the project is ongoing, project the final price and relation to proposal price. Contract value for which the firm was/is responsible.

xi. The original date for project completion and the actual completion date. If the project is ongoing, project the completion date and relation to original schedule.

xii. As available, performance ratings of the work evaluated by owner or owner's representative.

2.3 Contractor Safety Record

Submit as **Attachment 2** to this Qualifications Statement the information specified herein and verify this information by providing copies of OSHA 300/200 Forms or appropriate documentation from insurance carriers, as applicable. The firm may submit written explanations to comment on or clarify its safety record.

a) Provide the firm's Workers Compensation Experience Modification Rating for the past three years, beginning with the most recent year available:

Year 1: 2024 0.987

Year 2: 2023 1.025

Year 3: 2022 0.968

b) Provide the firm's Total Lost Workday Incidence Rate (LWDIR) for the past three years, beginning with the most recent year available:

Year 1: 2023 0

Year 2: 2022 0

Year 3: 2021 0

*LWDIR Rate = Number of Lost Time Injuries & Illnesses x 200,000 ÷ Total Hours Worked

c) Provide the firm's Recordable Incidence Rate (RIR) for the past three years:

Year 1: 2023 0

Year 2: 2022 0

Year 3: 2021 0

*RIR Rate = Number of Injuries x 200,000 ÷ Total Hours Worked

d) Provide in an **Attachment 3** to this Qualifications Statement a list of any health or safety citations issued by federal or state agencies for serious or willful violations issued in the past 3 years. Include a separate statement for any such violations and include the citation number, a brief description of the violation and the amount of penalty, if any, for each violation and current status of violation.

N/A

SECTION 3 - REQUIRED DISCLOSURES

The firm shall answer the following questions with regard to the past three (3) years. If any question is answered in the affirmative, the firm shall submit in an **Attachment 5** to this Qualifications Statement, for each affirmative answer, a written explanation which shall provide details concerning the matter in question, including applicable dates, locations, names of projects/project owners and current status of any such matter.

3.1 Is the firm currently debarred or suspended from doing business with any federal, state or local government agency or private entity?

Yes ___ No X

3.2 Has the firm ever been debarred or suspended from doing business with any federal, state or local government agency or private entity?

Yes ___ No X

3.3 Is the firm currently or has the firm been otherwise prohibited from doing business with any federal, state or local government agency or private entity?

Yes ___ No X

3.4 Has the firm been denied prequalification (not including short listing), declared non-responsible, or otherwise declared ineligible to submit bids or proposals for work by any federal, state or local government agency or private entity?

Yes ___ No X

3.5 Has the firm defaulted, been terminated for cause or otherwise failed to complete any project that it was awarded?

Yes ___ No X

3.6 Has the firm been assessed or required to pay liquidated damages in connection with work performed on any project?

Yes ___ No X

3.7 Has the firm had any business or professional license, registration, certificate or certification suspended or revoked?

Yes ___ No X

3.8 Have any liens been filed against the firm as a result of its failure to pay subcontractors, suppliers, or workers?

Yes ___ No X

3.9 Has the firm been denied bonding or insurance coverage or been discontinued by a surety or insurance company?

Yes ___ No X

3.10 Has the firm been found in violation of any laws, including but not limited to contracting or antitrust laws, tax or licensing laws, labor or employment laws or environmental laws by a final decision of a court or government agency?

Yes ___ No X

*Note: information regarding health and safety violations is addressed in a previous section.

3.11 Has the firm or its owners, officers, directors or managers been the subject of any criminal indictment or criminal investigation concerning any aspect of the firm's business?

Yes ___ No X

3.12 Has the firm been the subject to any bankruptcy proceeding?

Yes ___ No X

SECTION 4 - REQUIRED REPRESENTATIONS

In submitting this Qualifications Statement, along with the other representations and authorizations listed in the RFP, the firm also makes the following representations, which it understands are required as a condition of performing the Contract Work and receiving payment for same.

4.1 The firm will possess all applicable professional, business and trade licenses required for performing the Contract Work.

4.2 The firm satisfies all bonding and insurance requirements as stipulated in the solicitation for the Contract Work.

4.3 The firm and all subcontractors it employs in execution of the Contract Work shall be in full compliance with the Commonwealth's requirements for workers' compensation insurance according to all applicable laws, and unemployment insurance according to all applicable laws.

4.4 The firm and all subcontractors it employs in execution of the Contract Work shall be in full compliance with all requirements of the Commonwealth's prevailing wage law and Public Works Employment Verification Act.

4.5 If awarded the Contract Work, the firm represents that it will not exceed its current bonding limitations when the Contract Work is combined with the total aggregate amount of all unfinished work for which the Contractor is responsible.

4.6 The firm represents that it has no conflicts of interests with the Commonwealth of Pennsylvania and, if awarded the Contract Work, any potential conflicts of interest that may arise in the future will be disclosed immediately to the Department of General Services.

4.7 The firm represents the price offered in connection with its proposal for the Contract Work was arrived at independently without consultation, communication or agreement with any other Proposer or competitor.

4.8 The firm will ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, sex or national origin.

SHEPPARD-MYERS DAM REHABILITATION

Hanover, York County, PA

OWNER:
THE BOROUGH OF HANOVER
HANOVER, PA
Eric Mains
(717) 797-4210 |
emains@hanoverboroughpa.gov

ENGINEER:
Gannett Fleming
Camp Hill, PA
Craig Snyder
(717) 886-5475 csnyder@gfnet.com

ORIGINAL CONTRACT PRICE
$10,846,975
FINAL CONTRACT PRICE
$10,484,164
CONTRACT COMPLETION DATE
August 2023
ACTUAL COMPLETION DATE
July 2023

PROJECT: **Sheppard-Myers Dam Rehabilitation**

LOCATION: Hanover, York County, PA

PROJECT TYPE: Dam Rehabilitation

PROJECT ROLE: Prime Contractor

DESCRIPTION OF PROJECT:

The Sheppard-Myers Dam is a 38 ft high, 760 LF wide, high hazard classified earth embankment dam located in West Manheim Township, Pennsylvania. The Project consists of the rehabilitation of the existing Dam generally including:

- Installation and maintenance of control of water cofferdams and dewatering sumps and wells necessary to protect the work.
- Permanent storm drainage bypass.
- Regrading of the upstream reservoir approach channel
- Demolition, removal, and protection of existing concrete structures, masonry structures and other features designated for demolition.
- New reinforced watertight cast-in-place concrete auxiliary spillway structure.
- Modifications and repairs to the existing principal spillway intake tower including the removal of existing flap valve, removal of existing and installation of new gate valves, slide gates, and related appurtenances, installation of new trash racks, instrumentation, and controls.
- Concrete repairs and modifications to the existing principal spillway intake tower, pedestrian bridge, outlet conduit, outlet structure, and outlet channel.
- Removal of existing outlet structure and discharge channel.
- Masonry and concrete repairs.
- New reinforced concrete outlet conduit extension, outlet structure and outlet channel slab.
- Dam embankment modifications including excavations, toe drains, blanket drains, aggregate drainage filters, seepage collection systems, and earth fill.
- Installation and raising of Piezometers.
- Construction of abutment berm, parking lot, realigned site access road.
- Associated storm water management facilities and,
- Electrical improvements and monitoring instrumentation and associated controls.

PROJECT TEAM:

John Lima, PE | President

Gino Yannuzzelli | VP/Operations

Bobby Machiesky | Project Manager & Surveyor

Steve Sickler | Site Superintendent

KYLE LAKE DAM REHABILITATION

Washington Township, Jefferson County, PA

OWNER:
PENNSYLVANIA
FISH & BOAT COMMISSION
Harrisburg, PA
Gerald Woomer, PE
(814) 359-5170
gwoomer@pa.gov

ENGINEER:
Michael Baker International
Pittsburgh, PA
Edward Kaminiski
(412) 269-6218 ekaminiski@mbakerintl.com

ORIGINAL CONTRACT PRICE
$4,325,000
FINAL CONTRACT PRICE
$4,701,281
CONTRACT COMPLETION DATE
May 2019
ACTUAL COMPLETION DATE
May 2019

PROJECT: **Kyle Lake Dam Rehabilitation**

LOCATION: Washington Township, Jefferson County, PA

PROJECT TYPE: Dam Rehabilitation

PROJECT ROLE: Prime Contractor

DESCRIPTION OF PROJECT:

The Kyle Lake Dam is a 33 ft high, 1,000 LF wide, high hazard classified earth embankment dam located in Washington Township, Jefferson County, Pennsylvania. The renovation of Kyle Lake Dam generally includes the armoring of the embankment with Articulated Concrete Block (ACB); partial demolition of the Auxiliary Spillway and Gate House; partial replacement of the Auxiliary Spillway and Gate House; and replacing the existing outlets works within the Gate House to meet current dam safety criteria. Work items include:

- Clearing, grubbing and stripping the site.
- Installing and maintaining control of water cofferdams and dewatering as necessary to protect the work.
- Removing and replacing the watertight cast-in-place concrete overlay slab and the exposed portions of the sidewalls in the Auxiliary Spillway.
- Excavating to prepare downstream embankment for installation of Articulated Concrete Block (ACB) revetment.
- Placing 93,670 SF of ACB revetment system at a slope of 2.75 Horizontal :1 Vertical on the downstream face and the toe of the embankment.
- Installing a 6-inch diameter collector drain with aggregate filter system at the toe of the embankment.
- Removing the upper portion of the Gate House, removing the existing sluice gates and hoisting mechanism, installing four (4) new sluice gates and hoisting mechanism, removing and replacing the access steps and reconstructing the upper portion of the Gate House.
- Removing the two water intake pipes.
- Installing one new water intake pipe and abandoning the other.
- Earth Fill Covering the ACB surface with one (1) foot of soil to maintain the existing appearance of the dam.
- Installing new Piezometers.
- Repairing cracks and spalls in the concrete of the Primary Spillway and Gate House.
- Placement of scour protection downstream of the Primary Spillway and replacing Ford Crossing.

PROJECT TEAM:

John Lima, PE | President
Gino Yannuzzelli | VP/Operations
Derek Fuller | Project Manager
Steve Sickler | Site Superintendent

MEADOW GROUNDS LAKE DAM REHABILITATION

FULTON COUNTY, PA

OWNER:
PENNSYLVANIA
FISH & BOAT COMMISSION
Harrisburg, PA
Gerald Woomer, PE
(814) 359-5170 | gwoomer@pa.gov

D'APPOLONIA

ENGINEER:
D'APPLONIA
DIVISION OF GROUND TECHNOLOGY, INC.
Pittsburgh, PA
Aaron Antell, PE
(412) 229-1596 | AJAntell@dappolonia.com

ORIGINAL CONTRACT PRICE
$5,090,000
CONTRACT COMPLETION DATE
April 2021

FINAL CONTRACT PRICE
$5,172,623
ACTUAL COMPLETION DATE
April 2021

PROJECT: **Meadow Grounds Lake Dam Rehabilitation**

LOCATION: Fulton County, PA

PROJECT TYPE: Rehabilitation of Existing Earthen Dam Appurtenant Structures

PROJECT ROLE: Prime Contractor

DESCRIPTION OF PROJECT:

The Meadow Grounds Lake Dam is a 40 ft high, 950 LF wide, high hazard classified earth embankment dam located in Ayer Township, Fulton County, Pennsylvania. The Meadow Grounds Dam Rehabilitation Project comprises modifying the dam and appurtenant structures to meet current dam safety criteria and design standards. Construction activities generally include removal of the existing concrete spillway structure, construction of a cast-in-place concrete replacement spillway and stilling basin, slip-lining the existing cast-in-place principal spillway conduit with pipe, modifications and improvements to the existing control tower, installing a seepage collection/toe drain and conveyance system consisting of a sand and stone filter with PVC pipe and a sand chimney/blanket drain, flattening the downstream slope, and raising dam crest approximately 3.6 feet. Work activities include:

- Clearing, grubbing and stripping of topsoil in earthwork areas.
- Demolition and removal of the existing cast-in-place concrete spillway.
- Control of water to complete all construction activities.
- Excavation, subgrade preparation, placement of general and embankment fill.
- Construction of seepage collection and conveyance system that includes an aggregate filter chimney drain, aggregate filter blanket drain, aggregate filter abutment trench drain, and piping system for collection and controlled discharge of water.
- Construction of concrete spillway, concrete spillway channel, and concrete stilling basin.
- Construction of permanent erosion protection ancillary to concrete spillway.
- Slip-lining and extension of existing concrete principal spillway conduit.
- Improvements to control tower including installing sluice gate and assemblies ancillary to the operation of the sluice gate.
- Installation and maintenance of all Erosion and Sedimentation Control features necessary for completion of the project.
- Installation of standpipe piezometers in dam embankment.
- Site restoration and revegetation.

PROJECT TEAM:

John Lima, PE | President
Gino Yannuzzelli | VP/Operations
Derek Fuller, PE | Project Manager
Chris Knash | Superintendent & Surveyor
Darren Rascher | Site Foreman
Schnabel Engineering | Consulting Engineer

MINSI LAKE DAM
DAM REPAIRS & SPILLWAY REPLACEMENT
NORTHAMPTON COUNTY, PA

OWNER:
PENNSYLVANIA
FISH & BOAT COMMISSION
Harrisburg, PA
Gerald Woomer, PE
(814) 359-5170
gwoomer@pa.gov

ENGINEER:
SCHNABEL ENGINEERING
Chadds Ford, PA
Lisa Ciampitti, P.E.
(610) 696-6066
LCiampitti@schnabel-eng.com

ORIGINAL CONTRACT PRICE
$4,795,000

FINAL CONTRACT PRICE
$ 4,891,357

CONTRACT COMPLETION DATE
April 2020

ACTUAL COMPLETION DATE
November 2019

PROJECT: **Dam Repairs & Spillway Replacement – Minsi Lake Dam**

LOCATION: Northampton County, PA

PROJECT TYPE: Rehabilitation of Existing Earthen Dam & Installation of a new Primary Labyrinth Spillway

PROJECT ROLE: Prime Contractor

DESCRIPTION OF PROJECT:

Minsi Lake Dam is a 26 ft high, 3,600 LF long, high hazard classified earth embankment dam located in Upper Mt. Bethel Township, Northampton County, Pennsylvania. The Minsi Lake Dam Rehabilitation Project comprises modifying the dam and appurtenant structures to meet current dam safety criteria and design standards. Construction activities generally includes removal of the existing concrete spillway, construction of a cast-in-place concrete replacement spillway, and modifications to raise the crest of the dam approximately two feet. Work activities include:

- Clearing, grubbing, and stripping the site, and removal of the existing concrete spillway and bituminous walk.
- Demolition and removal of the existing cast-in-place concrete spillway.
- Excavation and subgrade preparation.
- Construction of a cast-in-place concrete labyrinth weir and concrete spillway chute.
- Raising the existing embankment with earthfill and rip rap armorment.
- Construction of new embankment section, within the existing spillway approach channel, to tie into the existing embankment.
- Precast Concrete Low Water Crossing
- Spreading topsoil and seeding disturbed areas.

PROJECT TEAM:

John Lima, PE | President

Gino Yannuzzelli | VP/Operations

Derek Fuller, PE | Project Manager

GEI Consultants | Consulting Engineer

Dan Samoni | Onsite Superintendent

RELEVANCE OF WORK:

The Minsi Lake Dam project as described above has following similarities as it relates the "Designated Critical Work":

- CIP Concrete Labyrinth Spillway (for watertight hydraulic & marine structures)
- Water Control including Dewatering & Diversion of Water
- Aggregate Drainage Filters & Seepage Collection Systems
- Earthwork and Excavated Material Screening on Dams
- Rip Rap Lining
- Concrete Spillway and Dam Embankment Demolition

THE Safegard GROUP, INC.

INSURANCE BROKERS AND CONSULTANTS

April 25, 2024

KC Construction Company
Attn: Wayne Randall
1737 Stout Drive
Ivyland, PA 18974

Re: PA Workers Compensation Experience Modification Ratings
Policy Terms: 2024, 2023, 2022, 2021, 2020
Bureau file Number: 2663455

Dear Wayne:

This is to confirm that the 4 year history of Pennsylvania Experience Modification Rates are as follows:

Effective Date	Expiration Date	Experience Rating Modification
06/01/2024	06/01/2025	0.987
06/01/2023	06/01/2024	1.025
06/01/2022	06/01/2023	0.968
06/01/2021	06/01/2022	0.774
07/01/2020	06/01/2021	0.760
07/01/2019	07/01/2020	0.754

Should you have any questions or require additional information, please contact me.

Sincerely,

Lauren Anderson

Lauren Anderson
Account Assistant

100 Granite Drive – Suite 205 – Media, PA 19063
OFFICE 610-892-7688 – FAX 610-892-7695
www.safegardgroup.com

Appendix G - Attachment 2

OSHA's Form 300 (Rev. 01/2004)

Log of Work-Related Injuries and Illnesses

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Year 2023

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

You must record information about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid. You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an injury and illness incident report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.

Establishment name KC Construction Co.

City Ivyland State PA

Identify the person			Describe the case			Classify the case											
						CHECK ONLY ONE box for each case based on the most serious outcome for that case:				Enter the number of days the injured or ill worker was:		Check the "injury" column or choose one type of illness:					
(A) Case No.	(B) Employee's Name	(C) Job Title (e.g., Welder)	(D) Date of injury or onset of illness (mo./day)	(E) Where the event occurred (e.g. Loading dock north end)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g. Second degree burns on right forearm from acetylene torch)	Death	Days away from work	Remained at work		Away From Work (days)	On job transfer or restriction (days)	(M) Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
								Job transfer or restriction	Other record-able cases								
						(G)	(H)	(I)	(J)	(K)	(L)	(1)	(2)	(3)	(4)	(5)	(6)
	None																
					Page totals	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*

Be sure to transfer these totals to the Summary page (Form 300A) before you post it.

Injury (1) | Skin Disorder (2) | Respiratory Condition (3) | Poisoning (4) | Hearing Loss (5) | All other illnesses (6)

Appendix G - Attachment 2

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Year 2023

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	0
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
0	0
(K)	(L)

Injury and Illness Types

Total number of… (M)			
(1) Injury	0	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0
(3) Respiratory Condition	0	(6) All Other Illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Establishment information

Your establishment name: KC Construction Co.

Street: 1737 Stout Drive

City: Ivyland State: PA Zip: 18974

Industry description (e.g., Manufacture of motor truck trailers)
Construction

Standard Industrial Classification (SIC), if known (e.g., SIC 3715)

OR North American Industrial Classification (NAICS), if known (e.g., 336212)
2 3 7 1 1 0

Employment information

Annual average number of employees: 28

Total hours worked by all employees last year: 54,913

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Company Executive — Vice President (Title)

215-443-5553 (Phone) — 1/3/2024 (Date)

Appendix G - Attachment 2

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Year 2022

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete

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Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	0
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
0	0
(K)	(L)

Injury and Illness Types

Total number of… (M)			
(1) Injury	0	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0
(3) Respiratory Condition	0	(6) All Other Illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Establishment information

Your establishment name: KC Construction Co.

Street: 1737 Stout Drive

City: Ivyland State: PA Zip: 18974

Industry description (e.g., Manufacture of motor truck trailers)
Construction

Standard Industrial Classification (SIC), if known (e.g., SIC 3715)

OR North American Industrial Classification (NAICS), if known (e.g., 336212)
2 3 7 1 1 0

Employment information

Annual average number of employees: 33

Total hours worked by all employees last year: 63,214

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Company executive

Vice President
Title

215-443-5553
Phone

1/31/2023
Date

Appendix G - Attachment 2

OSHA's Form 300A (Rev. 01/2004)
Summary of Work-Related Injuries and Illnesses

Year 2021

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

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Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	0
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
0	0
(K)	(L)

Injury and Illness Types

Total number of...	(M)		
(1) Injury	0	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0
(3) Respiratory Condition	0	(6) All Other Illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Establishment information

Your establishment name KC Construction Co.

Street 1737 Stout Drive

City Ivyland State PA Zip 18974

Industry description (e.g., Manufacture of motor truck trailers)
Construction

Standard Industrial Classification (SIC), if known (e.g., SIC 3715)

OR North American Industrial Classification (NAICS), if known (e.g., 336212)
2 3 7 1 1 0

Employment information

Annual average number of employees 36

Total hours worked by all employees last year 68,229

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Company executive

Vice President
Title

215-443-5553
Phone

1/7/2022
Date

Appendix G - Attachment 2

OSHA's Form 300 (Rev. 01/2004)

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Year 2021

U.S. Department of Labor
Occupational Safety and Health Administration

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Form approved OMB no. 1218-0176

Establishment name KC Construction Co.

City Ivyland State PA

Identify the person			Describe the case			Classify the case											
						CHECK ONLY ONE box for each case based on the most serious outcome for that case:				Enter the number of days the injured or ill worker was:		Check the "injury" column or choose one type of illness:					
(A) Case No.	(B) Employee's Name	(C) Job Title (e.g., Welder)	(D) Date of injury or onset of illness (mo./day)	(E) Where the event occurred (e.g. Loading dock north end)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g. Second degree burns on right forearm from acetylene torch)	Death	Days away from work	Remained at work		Away From Work (days)	On job transfer or restriction (days)	(M) Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
								Job transfer or restriction	Other record-able cases								
						(G)	(H)	(I)	(J)	(K)	(L)	(1)	(2)	(3)	(4)	(5)	(6)
					Page totals	0	0	0	0	0	0	0	0	0	0	0	0

Be sure to transfer these totals to the Summary page (Form 300A) before you post it.

Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

Page 1 of 1

Marquette Lake Dam - Rehabilitation

Project No. DGS C-0960-0086 Phase 1

SECTION 2.
Project Management Team

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 2. Project Management Plan

T-2A Project Management Team

MARQUETTE LAKE DAM REHABILITATION
PROJECT NO. DGS C-0960-0086 PHASE 1

TECHNICAL SUBMITTAL

T-2A Project Management Team

KC Construction Co. – John V. Lima, PE – President - Geotechnical Engineer - Mr. Lima has 45 years of geotechnical field experience which he utilizes to solve field problems and keep a job running. In his role as internal QA/QC he is a resource to tap when an unusual condition occurs using his technical training as an Engineer and his unique field experience.

KC Construction Co. – Gino Yannuzzelli – Vice President – With 30 years of experience, Mr. Yannuzzelli is responsible for the day-to-day field operations of the company. He will oversee the project managers and project superintendents and will coordinate, and schedule required project manpower and equipment with the project team. Reports to Mr. Lima

KC Construction Co. – Tim Wintermute – Sr. Project Manager – With over 30 years of hands-on experience, Mr. Wintermute has been involved in all aspects civil construction including dam rehabilitation and flood control projects ranging in size and complexity. Mr. Wintermute will be responsible for the day-to-day project management including scheduling, submittals, RFI's, and change order management. Reports to Mr. Yannuzzelli.

KC Construction Co. – Bobby Machiesky – General Superintendent – Responsible for the daily activities performed onsite by KC forces and our subcontractors. Mr. Machiesky is also in charge of KC's construction surveying efforts. Bobby has served as project superintendent on many of our more complex dam rehabilitation projects and will work closely with the site foreman to ensure planning and approach are in best practice for this project. Reports to Mr. Yannuzzelli

KC Construction Co. – Dan Samoni – Project Site Forman – Responsibilities include coordination among subs and suppliers, trade supervision and harmony, problem solving from start to successful completion. Supervises all KC onsite crews along with all subcontractors and the coordinating with the Quality Control Agency. Mr. Samoni has over 15+ years of experience acting as the responsible party for coordinating the field resources while interacting with the Owner's representatives to ensure that the projects were constructed in accordance with the engineer's design and overall project intent. He has extensive experience in Heavy Civil projects involving watertight concrete structures, dams, and flood control projects. Reports to Mr. Wintermute and Mr. Machiesky.

GEI Consultants Engineering – Andy Baxter , PE – Sr. Project Manager – Water Control, Diversion, and Dewatering Consultant – Andrew is a Professional Geologist and Professional Engineer who specializes in performing design of below grade and temporary hydraulic structures related to dams and levees. Andrew has provided project and construction management, development of construction documents for geo-structural designs for specialty foundations, ground improvement, excavation support, permanent cut walls, dewatering, soil and rock slopes, cofferdams and other subsurface structures. He will work with KC's in-house engineers to develop a custom-designed system based on the site conditions and the constraints of the project. Mr. Baxter reports to KC Project Managers.

GEI Consultants Engineering – Marat Mardenov, PE – Sr. Engineer – Water Control, Diversion, and Dewatering Consultant - Mr. Mardenov has approximately 12 years of experience that includes Civil Design, Hydraulic/Hydrologic, Modeling, Remedial Construction, Storm Water Design, Construction Permitting, Construction Management, Environmental Compliance and Consulting. His primary role on this project includes

development of work plans, H&H modeling and completing necessary calculations for cofferdam installations. Marat will also provide recommendations to improve quality, schedule, and cost control associated to the control of water and dewatering scope.

Performance – Eric Eichenberg - Vice President - Eric has over 25 years of project management experience, beginning his career with Performance's sister company, Quandel Construction Group. Since transferring to Performance's team, he has worked on two dam projects and three treatment plant upgrades. Eric will serve as team leader for the staff assigned to the project's day-to-day operations Examples of his experience specific to this contract include:

- Greater Pottsville Sewer Authority | Fleet and Operations Superintendent for this project, which included the total rehabilitation of the spillway consisted of 3800 CY of concrete with walls up to 25' in height. The project also involved water control and sluice gate installation. Two tropical storms hit in the middle of the project, delaying its completion; however, due to Performance's proper planning and attention to detail, all excess water was managed without any failure in function.
- Binghamton Wastewater Treatment Plant │Fleet and Operations Superintendent for this ongoing project, which included the total rehabilitation of the wastewater treatment plant.
- Meadow Grounds Lake Dam │ Project Executive for this project. He was responsible for the schedule and operations working closely with the superintendent. This project was scheduled for a 6-month completion and our team completed it within 5 months which included a one month delay due to COVID-19 shutdown.

Performance – Brian Mickatavage - General Superintendent - Brian has 30 years of construction experience and has successfully accomplished five dam projects. He served as a Carpenter, Carpenter Foreman, and Project Superintendent and is experienced in all facets of building construction. Examples of his experience specific to this contract include:

- Binghamton Wastewater Treatment Plant │ Project Superintendent. He was responsible for all aspects of the work, scheduling and coordination, quality control, monitoring of sub grades, cast in place structural concrete and project safety.
- Abington Regional Wastewater Treatment Plant │ Project Superintendent. He was responsible for all aspects of the work, scheduling and coordination, quality control, following the new federal mandate of reducing the levels of nitrates and phosphates into local waterways. This project was completed five months ahead of schedule.
- Lackawanna River Basin Sewer Authority, Archbald WWTP │ Project Superintendent. He was responsible for all aspects of the work, scheduling and coordination, quality control and safety.

Performance – Leah Eichenberg - Project Manager - Leah has served the construction industry for 4 years. Her attention to detail and insistence on high standards and quality work make her a very valuable member of the Performance team. She is experienced in all facets of construction, especially environmental, highway, municipal and commercial construction.

Performance – Andy Studlack – Project Foreman – Robert has served in the construction industry for 25 plus years. His skills in running efficient and timely projects have made him a very valuable member of the Performance construction team. His safety record has been exemplary. He has served as a carpenter and carpenter foreman and is experienced in all facets of building construction.

JOHN V. LIMA, P.E.

PRESIDENT

1737 Stout Drive
Ivyland, Pennsylvania 18974

T (215) 443-5553
C (267) 784-6999
E JohnL@kcconstruct.com

EXPERIENCE SUMMARY

Over thirty years as a General Contractor/Construction Manager and Consulting Engineer. Most recent experience as President, Estimator, Project Manager, and Quality Control Manager of KC Construction Company with annual business volume of $20 to $30 million dollars. Experience includes the management of numerous Heavy Civil construction projects relating to water, wastewater, dam safety improvements, Roller Compacted Concrete (RCC) and environmental protection projects. Experienced Geotechnical and Foundation Engineer and Licensed Land Surveyor with specific expertise in earth dam design and inspection.

EXPERIENCE

KC CONSTRUCTION CO., IVYLAND, PENNSYLVANIA

1983 TO PRESENT

PRESIDENT

Responsible for the overall management of the company, provide technical assistance and troubleshooting to resolve unforeseen site conditions and value engineering alternatives. Responsible for quality control of all earthwork activities including structural backfill of embankments and levees, sheeting and shoring applications and dewatering facilities.

Project Management responsibilities have included a wide range of Public Works, Commercial and Industrial Projects. Recent Public Works projects include: landfills, earth dams, site development, municipal complexes, transit facilities, water treatment facilities and water distribution systems.

ENVIROSAFE SERVICES, INC., HORSHAM, PENNSYLVANIA

1981-1982

ENGINEERING SUPERVISOR/LEAD TECHNICAL ENGINEER

IU CONVERSION SYSTEMS, HORSHAM, PENNSYLVANIA

1979-1981

QC SUPERVISOR - LANDFILLS

CITY OF PHILADELPHIA, PENNSYLVANIA

1976-1978

CONSTRUCTION ENGINEERING SUPERVISOR

U.S. ARMY CORPS OF ENGINEERS, PHILA., PENNSYLVANIA

1974-1974

FOUNDATION DESIGN

EDUCATION

TEMPLE UNIVERSITY

- B.S. Civil Engineering – Drexel University, 1974
- M.S. Civil Engineering (Geotechnical) – Drexel University, 1977
- Real Estate School – Temple University (1978-1979)
- Graduate Studies Finance – LaSalle College (1980-1981)

CERTIFICATIONS

- Professional Engineer – Pennsylvania
- Professional Land Surveyor - Pennsylvania
- American Society of Civil Engineers (A.S.C.E.)
- American Society of Testing Materials (A.S.T.M.)

GINO YANNUZZELLI

VICE PRESIDENT
OPERATIONS

1737 Stout Drive
Ivyland, Pennsylvania 18974

T (215) 443-5553
C (484) 894-9063
E GinoY@kcconstruct.com

EXPERIENCE SUMMARY

Over twenty-five years of experience in the business administration, project management, and operations management of building, sitework, and heavy civil construction projects and companies. Gino joined KC in 2005 and has held the positions of Procurement Manager, Controller, Project Manager, Estimator, and Operations Manager working on sitework, water/wastewater treatment plants, and flood control/dam projects ranging from $1mm to $25mm.

EXPERIENCE

KC CONSTRUCTION CO., IVYLAND, PENNSYLVANIA

2005 TO PRESENT

VICE PRESIDENT

Responsible for the overall day to day corporate operation of the company, including the development, implementation, and management of strategic business, financial, and operational plans, and budgets.

OPERATIONS

Oversees the company project managers and superintendents. Coordinates and schedules required project manpower and equipment with the project team. Responsible for the hiring, training, management, and evaluation of field labor as required.

PROJECT MANAGER

Job tasks include development of job costs and project schedule, buyout of subcontracts and materials, in-house and subcontractor workforce management for dam rehabilitation and flood control projects ranging from $1million to $25million.

PROJECT ESTIMATOR

Assists with estimating performing earthwork take-offs and material calculations, cost estimates, vendor and subcontractor solicitations. Review of subcontractor and supplier bids in accordance with contract requirements.

KULLMAN INDUSTRIES, INC., LEBANON, NEW JERSEY

1995-2004

SR. PROCREMENT MANGER AND ESTIMATOR

Responsible for the project procurement and contract management for general contractor/modular construction manufacturer with annual contract revenues of $75mm to $100mm specializing in construction of retail buildings, schools, hospitals, prisons, cellular equipment housing, and international U.S. embassy compounds. Assisted the estimating team as needed.

EDUCATION

- A.S. Civil Engineering/Construction Technologies
  Essex County Community College, Newark, NJ 1995

CERTIFICATIONS

- OSHA 30
- American Red Cross CPR & First Aid
- State of Maryland Erosion and Sediment Control Responsible Person
- State of Delaware Erosion and Sediment Control Responsible Person (Blue Card)

KC CONSTRUCTION CO.
1737 Stout Drive, Ivyland, PA 18974 | 215-443-5553

Resume for Timothy R. Wintermute - A distinguished Project Manager with a rich background in the heavy civil construction industry, starting out as a heavy equipment operator, laborer, and grade foreman, advancing to a supervisor, project manager, and project executive level position before reaching the position of chief operations officer. With experience on numerous large-scale earthwork projects across the tri-state area, ability has been demonstrated in handling diverse challenges including sheeting/shoring, dewatering, historic dredge management, soil stabilization, and large outlet drainage structures. This journey through various roles underscores the deep understanding of project dynamics and exemplifies an ability to lead teams effectively through complex endeavors.

Updated on: 07.08.24

Skills

- *Operations management*
- *Brand development*
- *Business structure/division development*
- *Budgeting and cost control*

Experience

Senior Project Manager *06/03/24 to present*

KC Construction Company – Ivyland, PA

- *Potomac Dam No. 5: West Abutment Preservation Project – Clear Spring, MD, United States; (06/24 - present); $6.68M contract value:*
  - *Client = Bureau of Reclamation / National Park Service*
  - *Scope of Work: Stabilization of historic stone masonry abutment, installation of drainage and flood overtopping protection.*

- *Stony Garden Dam Rehabilitation Project - Wind Gap, PA (06/24 - present); $5.40M contract value:*
  - *Client = Pennsylvania American Water*
  - *Scope of Work: Installation of new concrete spillway/removal of existing, installation of new chimney & toe drain system, upgrade of water utility service mains, ect.*

Senior Project Manager *06/2020 to 06/2024*

Thalle Construction Company – Hillsborough, NC

- *Round Valley Reservoir WSA – B19030 – Lebanon, NJ, United States; (01/2020 - present); $67.3M; Sr. Project Manager: work necessary to facilitate the Dam Rehabilitation including:*
  - *major earthwork exceeding 1.3M c.y. in dam embankment cuts and fills,*
  - *abandonment of existing dam instrumentation and installation of new dam,*
  - *installation, operation, and maintenance of a dewatering system during construction,*
  - *importing several thousand tons of drainage fill for installation of chimney, abutment, and collector drains,*
  - *road closures, maintenance of traffic, erosion, and sediment control, clearing and grubbing stockpile areas, stripping topsoil, relocation of utilities, and spreading topsoil and establishment of permanent turf.*
  - *ancillary work related to the Dam Structure included removal and replacement of piping (12-inch or less), grouting of approximately 1,400 LF of 36-inch piping, and building improvements (roofing, gutters, rooftop access system, concrete repairs, general building repairs, window replacement, sluice gate repair, transfer switch installation, provide portable generator, and crane replacement).*

- *Cooper Lake Dam Rehabilitation Project: for the City of Kingston Water Department – Contract No. C-205 & Schnabel Engineering Project No. 14925003.03 from June 2021 – June 2024; $15.8M; Sr. Project Manager: work necessary to facilitate the Dam Rehabilitation.*

Chief Operations Officer *03/2017 to 06/2020*

Vollers, Inc. – North Branch, New Jersey

- *Formulated analysis assessments to make informed decisions on proposed projects.*
- *Increased profitability by optimizing sales and fulfilling lower overhead costs.*
- *Streamlined company processes and procedures while enhancing customer satisfaction.*
- *Collaborated with board members, senior executives, and industry partners to revitalize operations and achieve ambitious targets.*

Project Executive *12/2015 to 03/2017*

Vollers, Inc. – North Branch, New Jersey

- *Created strategic plans to turn leadership mandates into actionable project plans.*
- *Collaborated with upper management to assess business needs and develop road maps.*
- *Accurately estimated time and materials costs for projects.*

Project Manager, V.P. *12/2005 to 12/2015*

Vollers Excavation & Construction Co., Inc – North Branch, New Jersey

- *Maintained project schedules by managing timelines and making initiative-taking adjustments.*
- *Maintained project quality with a firsthand management style.*
- *Directed planning, budgeting, vendor selection and quality assurance efforts.*
- *Kept meticulous records of all costs and expenses and analyzed that data against the budget.*

Project Superintendent *01/1998 to 12/2005*

Vollers Excavation & Construction Co., Inc – North Branch, New Jersey

- *Continuously inspected job sites to ensure that staff and subcontractors strictly observed all safety protocols.*
- *Implemented changes requested by designers, owners, or inspectors.*
- *Accurately estimated time and materials costs for projects.*
- *Reviewed blueprints and specifications to understand each job and plan the correct sequence, minimizing errors and avoiding wasted materials.*

Project Engineer *01/1994 to 01/1998*

Vollers Excavation & Construction Co., Inc – North Branch, New Jersey

- *Completed daily construction tasks while ensuring safe working conditions, staying on budget, and meeting project deadlines.*
- *Consulted with company executives and projects managers to acquire resources to move projects forward.*
- *Analyzed blueprints and delivered concise instructions to the technical team to maintain quality control.*
- *Assisted in planning site layouts and blueprints.*

Accomplishments

- *Started on Div. II NAIA football team at Taylor University all (4) seasons of eligibility.*
- *Member of Chi Epsilon - Civil Engineering Honor Society at NJIT.*
- *Served on the Franklin Township Committee (Hunterdon County, NJ).*
- *Served on the Building & Planning Committee and Community Outreach Group at the Southridge Community Church.*

Education

- ***Bachelor of Science**: Civil & Environmental Engineering* *Jan 1994*
  New Jersey Institute of Technology - Newark, NJ

- ***Bachelor of Science**: Systems Analysis/Natural Science* *Jan 1991*
  Taylor University - Upland, IN

Additional Information

- *Married with three children – daughter, Paige is a S.L.P. graduate student at NC – Chapel Hill / daughter, Gillian is a business student at Raritan Valley Community College / son, Shane is a senior at North Hunterdon H.S. heading the University of Pittsburgh to study architecture in the fall.*

List of Key Projects Detailing Experiences Per Position:

Chief Operations Officer *03/2017 to 03/2020*
***Vollers, Inc.** – North Branch, New Jersey*

- ***As C.O.O., took over, retooled, and stabilized the organization over a three-year period while achieving the following revenue totals: 2017 = $82M / 2018 = $74M / 2019 = $66M.***

ROBERT MACHIESKY

PROJECT MANAGER
GENERAL SUPERINTENDENT

1737 Stout Drive
Ivyland, Pennsylvania 18974

T (215) 443-5553
C (570) 780-8560
E bobm@kcconstruct.com

EXPERIENCE SUMMARY

20 years' experience in the administration and field management of sitework, dam, levee, and heavy civil construction projects.

RELEVANT PROJECTS

2023 – Dunmore No.7 Dam
2023 – Lake Montrose Dam
2022-2023 – Shikellamy Fish Passage
2021-2023 – Sheppard Myers Dam
2022 – Upper Birchwood Lake Dam
2021-2022 – Rawson Hill Dam
2021 – Beaver Creek Dam
2020 – Montour Ash Basin Spillway
2020 – Harrisburg Airport Levee
2019-2020 – Pecks Pond Dam
2019 – Donegal Lake Dam
2017-2018 – Chapman Lake Dam
2017-2018 – Lake Scranton Dam
2016-2017 – Bear Gap Dam
2016-2017 – Silver Lake Dam
2016 – Glade Run Lake Dam
2015 – Speedwell Forge Lake Dam
2014 – Swimming River Reservoir
2013-2014 – Delaware Bay Dikes
2013 – Kauffman Dam
2013 – Lake Oneida Dam

EXPERIENCE

KC CONSTRUCTION CO., IVYLAND, PENNSYLVANIA

2005 TO PRESENT SUMMARY

Over 15 years' experience in heavy civil and site work project management. Most recent experience as an onsite project manager and superintendent for KC Construction specializing in dam rehabilitation projects. Robert's expertise is in the planning, management, and supervision of rehabilitation projects featuring embankment fill, toe drains, cast-in-place concrete spillways, roller compacted concrete (RCC), riprap armoring, and articulated block (ACB) overtopping protection.

2005 TO PRESENT – IN-HOUSE SURVEYOUR

Robert is also the surveyor for most of KC's projects. Responsible for construction layout, location verification, topographic surveys, quantity measurements, and as-built documentation as a PLS.

2016 TO PRESENT – PROJECT MANAGER

Responsible for: the development of job costs and project schedule; buyout of subcontracts and materials; submit product data and shop drawings as required; coordinate all work and schedule with onsite project superintendent; initiate and submit all requests for information and requests for change orders; coordinate and attend project meetings with the owner and engineer; update job costs and schedules; and provide monthly project status updates to company principals.

2010 TO 2016 – PROJECT, RCC, AND ACB SUPERINTENDENT

Monitor all contract operations onsite for schedule, quality, and overall contract compliance. Interface with Owner's onsite representative and Engineer as required. Oversee and schedule the use of independent testing laboratories for compliance verification of soils, concrete, structural, and mechanical systems. Monitor subcontractors and "in house" construction for contract compliance as well as reviewing vendor submittals for field conditions and installation requirements

EDUCATION

PENN STATE UNIVERSITY

- Associates of Science, Survey Technology, December 2010

CERTIFICATIONS

- Pennsylvania Professional Land Surveyor (PLS)
- OSHA 30
- OSHA 10
- National Safety Council CPR, First Aid, and AED

DANIEL P. SAMONI

SITE FOREMAN

1737 Stout Drive
Ivyland, Pennsylvania 18974

T (215) 443-5553
C (267) 220-0985
E dans@kcconstruct.com

EXPERIENCE SUMMARY

Over 15 years' experience in the administration and field management of sitework, dam, levee, and heavy civil construction projects.

RELEVANT PROJECTS

2021 – Round Valley North Dam Rehabilitation
2020 – Hibernia Dam Rehabilitation
2019 – Strawberry Fields Dam Repair
2018 – Dam Repairs and Spillway Replacement Minsi Lake Dam
2013 – Lake Oneida Dam Rehabilitation
2012 – Rehabilitation of Mt. Laurel Dam
2011 – Lycoming Landfill Field 11

EXPERIENCE

KC CONSTRUCTION CO., IVYLAND, PENNSYLVANIA

OCTOBER 2018 TO PRESENT
MAY 2004 TO JANUARY 2013

Project Superintendent and Site Foreman on heavy civil site work, athletic field, and earthen dam and levee projects ranging from $500,000 to $20 million. Responsible to lead and manage in-house earthwork and utility crews, monitor all contract operations onsite for schedule, quality, and overall contract compliance. Interface with Owner's onsite representative and Engineer as required. Oversee and schedule the use of independent testing laboratories for compliance verification of soils, concrete, structural, and mechanical systems. Monitor and direct the work subcontractors and "in house" construction for contract compliance as well as reviewing vendor submittals for field conditions and installation requirements.

B. BLAIR CORPORATION, IVYLAND, PENNSYLVANIA

JANUARY 2013 TO OCTOBER 2018

Project Manager for sitework projects ranging from $100,000 to $8 million in the residential, commercial, and institutional market. Responsible for the management and coordination of project construction activities following the project schedule to assure timely completion and close-out of the project; buyout for project materials and subcontractors; process project billings, change orders, submittals, RFI's, and as-builts; provide daily liaison with project owners, engineers, and reviewing agencies.

EDUCATION

CALIFORNIA UNIVERSITY OF PENNSYLVANIA

- Bachelor of Science in Graphic Communications Technology, December 2000

CERTIFICATIONS

- OSHA 30
- OSHA 10
- National Safety Council CPR, First Aid, and AED
- State of Delaware Erosion and Sediment Control and Stormwater Management CERTIFICATIONS

Andrew C. Baxter, P.G., P.E.
Senior Professional

resume

Andrew Baxter is a professional geologist and professional engineer who specialize in performing design, engineering bid support, and construction quality management of embankment, structural remediation, and below grade and temporary hydraulic structures related to dams and levees and specialty geostructural projects. He has provided project and construction management, development of construction documents for dam, dam remediation, and specialty geostructural designs for foundations, ground improvement, excavation support, permanent cut walls, dewatering, soil and rock slopes, cofferdams, and other subsurface structures. In addition, he has performed geotechnical engineering studies, soil and rock slope evaluations, geologic site assessments for various structures.

EDUCATION
M. Eng., Geotechnical Engineering, Drexel University
B.S., Geology, Virginia Polytechnic Institute and State University

EXPERIENCE IN THE INDUSTRY
25 years

EXPERIENCE WITH GEI
9 year(s)

REGISTRATIONS AND LICENSES
Professional Engineer, DE No. 15483
Professional Geologist, PA No. 004573

PROJECT EXPERIENCE

Sanford Dam (Restoration), Midland, MI. Mr. Baxter is the Lead design engineer and co- EOR for the Sanford Dam restoration. Construction is underway for the rebuilding of the dam including filtered embankment construction, sheetpile cutoff wall, RCC armoring and new RCC spillway, crest gates, slide gates, new CIP concrete primary spillway, pier, and apron, and supporting floodwalls and structures and armoring. Mr. Baxter provided background and participated in the project PFMA and SQRA efforts. The design process included the reviews by peer reviewers and the state agency officials. Mr. Baxter's team coordinated with a local partner firm for permitting and Architectural and MEP elements. Cost: >$80M

Pikes Creek Dam, Ceasetown, PA. Geologist of Record and Project and Technical Manager for the dewatering design and construction engineering services of a 65-ft high, 2,155-ft long earth embankment with stone masonry core and structure. Rehabilitation included a new toe drain, outlet structure, and spillway improvements. The dewatering system was applied along nearly the full length of the dam, over 2,000 ft. The dewatering consisted of shallow sumps in the foundation materials and deep dewatering wells for the new outlet structure on rock. The excavation was dry when exposed. Prior to the dewatering system activation the groundwater was artisan in the area of the deep excavation.

George B. Stevenson Dam, Grove Township, PA. Geologist of Record and Project and Technical Manager for the dewatering design and construction engineering services of a 160 ft high, 1,600-ft long earth embankment dam. Rehabilitation included a new toe and blanket drain to relieve foundation pressures. The perimeter of the blanket drain was about 1,050 ft. Mr. Baxter used bedrock sump wells installed from an early stage of excavation. The sump system used planned rock drains so to eliminate the need for a costly deep well system. The groundwater piezometeric height before dewatering was over 25 ft above the bottom of the excavation. Additionally Mr. Baxter assisted the client to develop a threshold monitoring plan to facilitate

excavation safety.

Pine Creek Dam, OK. Engineer of Record and Project and Technical Manager for the dewatering design and construction engineering services for dewatering design for a Chimney filter. The two phase dewatering system was for a 125 ft long by 100 ft deep chimney drain located close to the centerline of the dam. The dewatering system consisted of deep wells that were designed to prevent erosion of the embankment while draining the groundwater from the proposed excavation. The sonic drilling targeted a narrow gap between a historic rock trench and an existing concrete outlet pipe. Pine creek dam is 125 ft tall and the main embankment is over 1.5 miles long.

Elkhart Dam, Elkhart IN. Mr. Baxter was the lead designer for the seepage mitigation project at Elkhart Dam on the St. James River. The geotechnical investigation lead the design to a sheetpile cutoff that functions as the cofferdam during construction reducing the rework requirements. The design included temporary work design as well as permanent conditions design to reduce the uplift pressures on the concrete gravity spillway of the FERC regulated Dam. The design included seepage cutoff design with sheetpile, LLDPE, reinforced concrete apron, structural steel, and cofferdam design. Andy led a Temporary Construction PFMA and a review of the design mitigating the critical PFM's.

Edenville Dam (Emergency Stabilization), Midland, MI. Mr. Baxter was the Lead design engineer for the Emergency Stabilization for Edenville dam Tittabawassee Reach. Mr. Baxter provided rapid distributions and analysis of alternatives with cost estimating. The project was completed with a multi-delivery design packages so the contractor could start work and continue without schedule delay. Mr. Baxter also lead the Construction Engineering Support working through typical design changes and cost saving value engineering efforts. The project included site development, multiple cofferdams, spillway demolition, sheetpile installation, rip rap, and about 65,000 cy of embankment fill.

Sanford Dam (Emergency Stabilization), Midland, MI. Mr. Baxter was the Lead design engineer for the Emergency Stabilization for Sanford dam on the Tittabawassee. Similar to the Edenville project, Mr. Baxter provided rapid distributions and analysis of alternatives with cost estimating. The project was completed with a multi-delivery design packages so the contractor could start work and continue without schedule delay. The project included site development, concrete demolition and mass concrete placement, sheetpile installation, and rip rap.

Lakeview Dam, Colonial Heights, VA. Mr. was the lead designer for the left abutment protection design for the non-overtopping section of the gravity concrete dam. In a flood of record, the section overtopped and there was end around flow that eroded the abutment and downstream area of the dam. Mr. Baxter performed alternatives analysis and lead the design of the repair for the FERC regulated structure and town owned dam. The design process included a PFMA where Andy participated as the designer. The repair included a mass concrete gravity wall with passive tiedown anchors and filtered drainage.

Racine Dam, Racine, OH. (Technical Manager). Mr. Baxter served as managing technical Engineer for right abutment replacement dam next to 24-MW hydroelectric dam at a USACE lock and dam on the Ohio River. Performed PFMA and options analysis for a repair to allow power generation, full navigation pools and gate operations at the Lock and Dam. The selected repair solution was to construct a replacement dam immediately upstream of the distressed existing dam in the wet. The replacement dam required about 225,000 cu yds of tremie placed and 185,000 cu yrds of dry placed mass concrete and CLSM pours to form a mass concrete gravity dam. The dam is founded on pre-drilled 90-ft long, large diameter drilled shafts socketed into bedrock. The project required extensive review by the USACE (Huntington), FERC and an independent Board of Consultants through a process of design alternative studies, PFMA, workshops, and risk-reduction based design and construction process. The USACE allowed repairs to proceed without final dam design drawings. Construction Cost: >$100M

PREVIOUS PROJECT EXPERIENCE

Dam and Water

Swimming River Lake Dam, New Jersey-American Water Company/ KC Construction, Monmouth County, NJ. Geostructural Design Engineer responsible for evaluating the constructability and design of control of water cofferdams and shoring, potential sequencing and risk of storm overtopping for the project. Specifically, designed three unique cofferdam systems that facilitated reconstruction of the concrete spillway. Cofferdams included buttressed steel and wood lagging vertical panels, sheetpiling, stacked concrete block, and porta-dam systems. The system was designed to be versatile to accommodate varying site conditions while managing significant storm events and high tail water.

Antietam Reservoir, Reading, PA. Project Specialist responsible for the post-tension tiedowns, review of tiedown installation and testing, and review of structural design of anchorage and support slabs. Tiedowns ranged in load from 200 kips to 740 kips.

Canton Lake Dam, Canton, OK. Project Engineer for the 70-ft tall support of excavation for a spillway excavation in a USACE dam, and designer of record for the dewatering system. The project documents by the USACE provided strict performance requirements for the design-build systems. The support of excavation is composed of an existing diaphragm wall underpinned and deepened with a drilled-in soldier pile wall with post-tensioned anchors. The design is set to meet tight tolerances for settlement and movement of the existing diaphragm wall. Groundwater levels are about 10 ft. to 15 ft. from the ground surface. The design included rigorous analysis with Plaxis, Slope/W, and other methods. The retained soils included complex over consolidated clays and considered fully softened parameters.

Middle/Upper Dams, Rangeley, ME. Project Engineer and Designer of cofferdams and excavation support for construction of both the primary and auxiliary spillways through and in front of the existing embankment dam. The temporary excavation support system retains the embankment soils and full pond water level, and as designed includes drilled-in steel piles with shotcrete lagging. Piles are retained to provide additional uplift resistance for the auxiliary spillway. Due to the support system embedment within the embankment and inclusion with the permanent structure, location and movement tolerances are tight. The work consists of protection systems including a two-sided cell style sheet pile cofferdam, internally braced composite wall cofferdam, and sheet pile and stone buttress cofferdam. All designs are in accordance with the USACE and the FERC guidelines and recommendations.

Lake Oneida Dam, Pennsylvania-American Water Company, Butler County, PA. Geostructural Engineer responsible for evaluating the constructability and potential sequencing for the project. Specifically, evaluated the cofferdam requirements which resulted in coordination of temporary and permanent elements to reduce construction materials. Also evaluated the feasibility of the steel sheeting cutoff for the proposed spillway to provide uplift resistance. The steel sheeting was also coordinated with temporary cofferdam requirements. Performed a dewatering alternative evaluation with the project team. This evaluation increased the overall efficiency of the project.

PROFESSIONAL ASSOCIATIONS

USSD, Member
Post tensioning Institute, PTI, DC-35 Committee Chair
ASDSO, The Association of Dam Safety Officials, Member

Marat Y. Mardenov, P.E.
Senior Engineer

resume

Mr. Mardenov is a licensed civil engineer, experienced in site design, grading and drainage, hydraulic and hydrologic modeling, erosion and sedimentation control, environmental remediation, critical infrastructure, heavy civil construction, hydraulic structures, and landfills for public and private clients throughout the United States of America. He has acted as the Resident Engineer on several dam projects, focused on safety, construction quality, cost and schedule. Marat understands the nuances of interdisciplinary design, constructability, value engineering and multi-stakeholder projects. He brings value and ownership to his clients from planning phases, through commissioning, operations, and maintenance.

PREVIOUS PROJECT EXPERIENCE

Secord Dam Reconstruction, Four Lakes Task Force, Midland MI. Serving as the Quality Assurance Manager for the reconstruction of two deteriorating dams, developed and implemented a program wide quality management system. Lead a team of field and resident engineers overseeing execution of work including, placement of concrete, earth works, exploratory drilling, soil nailing, and installation of approximately 3700 linear feet of steel sheet pile wall. Lead coordination between the project delivery team during the preparatory phase of the Work, and worked with the stake holders to resolve construction deficiencies and non-conformances. [12-22 to 6-24]

Secord Dam Reconstruction, Four Lakes Task Force, Midland MI. Prepared design specifications prior to mobilization and Contract Award for the installation steel sheet pile cut off wall. Provided on and off-site construction contract administration support as the Resident Engineer, acting on behalf of the Engineer of Record to provide Quality Assurance, review of Contractor submittals, assistance with of field change documents and requests for information. Coordinated the installation of monitoring equipment. Implemented dam safety surveillance and monitoring plan to assess the effect of the Work on adjacent structures, by analyzing the data and issuing direction for remedial measures as necessary. [9-22 to 11-22]

Sanford Dam Interim Stabilization Construction, Four Lakes Task Force, Midland MI. Provided on and off-site construction contract administration support as the Resident Engineer, acting on behalf of the Engineer of Record to provide Quality Assurance, review of Contractor submittals, assistance with of field change documents and requests for information. Prepared design plans for the interim stabilization of Sanford Dam following the catastrophic dam failure. Work included existing structure demolition, installation of approximately 1,200 linear feet of sheet pile, installation of temporary reinforced concrete spillway. Assisted with the implementation of dam safety surveillance and monitoring plan to assess the effect of the Work

EDUCATION
M.S., Civil Engineering, Villanova University
B.S., Civil Engineering, Pennsylvania State University

EXPERIENCE IN THE INDUSTRY
14 years

EXPERIENCE WITH GEI
3 years

REGISTRATIONS AND LICENSES
Professional Engineer, PA No. PE085052
Professional Engineer, WV No. 24555

TRAINING AND CERTIFICATIONS
40-Hour Hazardous Waste Site Training Course, OSHA 29 CFR 1910.120(e)(3)
8-Hour Hazardous Waste Refresher Course, OSHA 29 CFR 1910.120(e)(8)
30-Hour Construction Safety and Health Training Course, OSHA 29 CFR 1926, Subparts C, E, M, P, and X
8-Hour Managers and Supervisors Course (SHSC), OSHA 29 CFR 1910.120(e)(4)
Trenching/Excavation Competent Person Training Course, OSHA 29 CFR 1926 Subpart P
Fall Protection Competent Person Training Course – Initial, OSHA 29 CFR 1926 Subpart M
Boating Safety, Commonwealth of Pennsylvania Fish and Boat Commission
Lean-Sigma Yellow Belt
CQCM USACE

PROFESSIONAL AFFILIATIONS

ASCE – Member

SAME – Member

AWARDS

None

GEI Consultants

on adjacent structures, by analyzing the data and issuing direction for remedial measures as necessary. [12-21 to 9-22].

Elkhart Hydroelectric Dam, AEP, Elkhart IN. Performed a Class 3 Cost estimate for a construction project to install 300 linear feet of steel sheet pile cutoff wall. Functioned as an on and offsite technical lead for the planning and design and implementation of interim risk reduction measures at Elkhart Dam. [1-22 to 11-22].

L-611/614 2019 Missouri River Levee Repairs, U.S. Army Corps of Engineers (USACE) Omaha Rapid Disaster Infrastructure I Program, Mills County, IA. Project engineer for repair the damaged levee system on the Missouri River. The levee cross section was damaged along the 17.7 miles. Inspected the levee to identify damaged levee sections hidden by vegetation. Coordinated survey crews to collect existing condition topography and as-built conditions survey. Analyzed material properties for levee construction and submitted materials testing results to USACE. Performed calculations for material tracking and provided estimates for project schedule. Assisted site QCM and project team in interpreting the design memorandums and submitting requests for information. Deployed photo documentation protocol for collecting existing conditions photography and videography using GPS-enabled camera equipment. Conducted material and site inspections during the repair activities to meet the quality requirements for USACE. Worked closely with site supervision and project management to plan order of operations and maintain project efficiency. [9-19 to 10-20]

Project Engineer, L-550 2019 Missouri River Levee Repairs, U.S. Army Corps of Engineers (USACE) Omaha Rapid Disaster Infrastructure I Program Watson, MO. Provided support as part of the home office team to provide critical erosion velocities for the purpose of levee inlet breach closure. Supported the field engineering staff in successfully executing the contract requirement of inlet breach closure by developing a USACE HEC-RAS model for the inlet breach at the Nishnabotna River. Coordinated survey crews to collect existing condition topography and as-built conditions survey. Deployed into the field to perform final repairs after initial repairs were completed. Analyzed material properties for levee construction and submitted materials testing results to USACE. Performed calculations for material tracking and provided estimates for project schedule. Assisted site QCM and project team in interpreting the design memorandums and submitting requests for information. (2020)

Military Ocean Terminal Sunny Point (MOTSU) Hurricane Florence Response, Southport, NC. Project Engineer for the U.S. Army Corps of Engineers (USACE) request for emergency design in response to damage as the result of flooding from Hurricane Florence, the MOTSU Army Installation had been inundated and damage to infrastructure has occurred to the point of compromise for the National Defense Mission for world-wide transshipment of critical Department of Defense resources. Assessed the effects of critically damaged infrastructure including rail lines, roads, and wharves on-site and worked with USACE Omaha to develop design plans for submittal to regulatory bodies and to be issued for construction. (2018-2019)

Hatco Woodbridge Pond, Fords, Weston, NJ. Project Engineer for the model hydraulics of contributing channels into reservoir scheduled to be dredged using PCSWMM software to evaluate the anticipated inflow and outflow velocities for the purpose of remedial design and specification. Utilized model output to estimate effects of scour on pond bottom in the area directly at the inflow and outflow points, following dredging effort, and prepared stormwater management report for permit application purposes. (2017)

Existing Pump Station Evaluation, Delaware County Regional Water Quality Control Authority, PA. Project Engineer, utilized calculated peak influent flows under specific design storm condition (sanitary and surface water combined system) to EPS-1, existing system pump curves, level control logic and EPS-1 force main system curve in WESTON Storm Water Management Model to estimate the effects of 54" diameter interceptor line restoration on the pump station flows. The evaluation was performed for purpose of completing a manhole restoration effort. The 54" line would function as a bypass, to reduce the combined sewer overflow discharges to the Delaware River. (2016)

Security, Disaster, Infrastructure, Construction Contract, U.S. Army Corps of Engineers (USACE). Assistant engineer built 3-dimensional flow simulation of an existing reservoir to evaluate its ability to be used as source of cooling water under different heat exchanger scenario. The thermal capacity of the reservoir was

simulated using the U.S. Environmental Protection Agency Environmental Fluid Dynamics Code (EFDC) model using different locations for cold water intake and hot water discharge using a diffuser. EFDC was applied to this project using the model's 3-dimensional hydrodynamic and temperature simulation capabilities. The model was used as a design tool to determine the location and orientation of the diffuser discharge.

Noll Lane, Pennsylvania Department of Environmental Protection (PA DEP), Fleetwood, PA. Provided engineering support for permitting submittal to PA DEP. Managed site activities to remove 2000 cubic yards of lead contaminated soil, installation of 1200 linear feet of stormwater channel, including setting channel inverts and site grades. Installed eight concrete headwalls. Oversaw and provided engineering support to the widening of 1700 linear feet of private driveway, and preparation of the subbase for paving activities. Coordinated with work with 3 onsite subcontractors, and local utility providers to relocate overhead utilities and poles. Interfaced with residents during site restoration activities. Operated articulated off-road dump truck during excavation and backfill activities. Scheduled material deliveries with the local quarry for stone and backfill deliveries and with environmental supply company for other site materials. (2016-2017)

Hazardous Material Removal Response at Rapid Circuit Site, Pennsylvania Department of Environmental Protection, Levittown, PA. Assistant engineer performing Level B self-contained breathing apparatus entries to categorize unknown hazardous material and performed removal over the course of 5 months. Over 120 hours of SCBA entry hours as well as over 240 Level C full face respirator hours. Performed sludge pump out of main tanks used for onsite treatment. Power washed the platting tanks in the process rooms as part of building decontamination. (2012-2013)

Crown Industries Site, Pennsylvania Department of Environmental Protection, Hawley, PA. Field lead for semiannual sampling event to monitor water quality at fourteen residences adjacent to contaminant plume. Coordinated with Pennsylvania Bureau of Laboratories with scheduling sampling event. Sampled fifteen groundwater and surface water sources as part of water quality effort. Wrote semiannual reports and resident letters. 2011-2014)

Combined Sewer Overflow (CSO) Overflow, Delaware County Regional Water Quality Control Authority (DELCORA), Modeling, PA. Assistant Engineer for the model simulation of a combined sewer system in the City of Chester using PCSWMM software. During storm periods of high flow rates, the combined sewers discharge directly to the Delaware River and its tributaries via 26 regulator outfalls. In support of a requirement of DELCORA's existing National Pollutant Discharge Elimination System (NPDES) permit to evaluate the frequency of the CSO events as well as their quantity and loads, the SWMM application is used to evaluate both the hydrologic response of the watershed and the hydraulic capacity of the system. The SWMM simulation is performed on a monthly basis and precipitation and collection system statistics and the resulting estimated CSO discharges reported to Pennsylvania Department of Environmental Protection to satisfy the NPDES permit condition. Performed design reviews and modeling scenario analysis for proposed sewer improvement projects. Completed onsite inspection of CSO structures. (2011-2017)

Former Landfill Remediation Project at Fort Indiantown Gap from Remedial Investigation through Remedial Action, Army National Guard, Annville, PA. Associate project engineer for site civil design for soil cover system at the former landfill. Evaluated temporary and permanent stormwater controls for the final cover surface. (2016)

ERIC EICHENBERG

VICE PRESIDENT

YEARS OF EXPERIENCE

Quandel: Since 1984

EDUCATION

Minersville Area High School

CERTIFICATIONS

30 Hour OSHA

Crane Signaling

Rigging

ACI Concrete Field Testing Technician-Grade 1

Rough Terrain Forklift

Aerial Work Platform

Fall Protection

Confined Spaces

Scaffold Construction

CPR/First Aid

Eric has served in the construction industry for 36 years. His skills in running efficient and timely projects have made him a very valuable member of the Performance Construction team. Eric became Vice President in January of 2019. Eric's safety record has been exemplary. He has served as a carpenter, carpenter foreman, superintendent, and Vice President of Operations. He plays a major role in the field operations and manages our fleet of vehicles and equipment. He is experienced in all facets of building construction.

SELECT PROJECT EXPERIENCE

Village of Waverly
WWTP Upgrades
Waverly, NY
$10,900,000.00

Village of Binghamton
Solid Handlings Improvements
Binghamton, NY
$22,000,000.00

Earl Township Sewer Authority
WWTP Upgrades
New Holland, PA
$7,200,000.00

Prime Wellness
Cultivation Facility
South Heidelberg, PA
$8,000,000.00

Republic Services
Modern Landfill LTP Ugrade
York, PA
$22,411,566.00

Dept of General Services
Sheppard Myers Dam
Hanover, PA
$3,165,379.00

West Cocalico
West Cocalico WWTP
West Cocalico, PA
$7,011,937.00

City of Blossburg
Blossburg WWTP Upgrade
Blossburg, PA
$14,853,683.00

Dept of General Services
Flat Rock Dam
Philadelphia, PA
$4,800,000.00

Greater Pottsville Sewer Authority
WWTP Upgrade & Expansion
Pottsville, PA
$10,400,000.00

York County Solid Waste Authority
Resource Recovery Center
York, PA
$32,700,000.00

East Stroudsburg University
New Science & Technology Center
East Stroudsburg, PA
$22,000,000.00

Sid Tool Company
Distribution Facility
Jonestown, PA
$9,000,000.00

City of Pottsville
FEMA Flood Upgrade
Pottsville, PA
$1,310,893.00

BRIAN MICKATAVAGE

GENERAL SUPERINTENDENT

YEARS OF EXPERIENCE

Quandel: Since 2003

EDUCATION

Dairy Science -3 years

Penn State University

CERTIFICATIONS

30 Hour OSHA

Various ACI Seminars

Brian has served in the construction industry since 1989 and specializes in wastewater treatment plant projects. Brian is responsible for managing our field personnel, equipment, on-site activities, and implementing and monitoring our job site safety programs. Through regular job site visits, he maintains a safe working environment, which applies to all employees as well as other members of the construction team.

SELECT PROJECT EXPERIENCE

Federal Bureau of Prisons
FCI Minersville
Minersville, PA
$53,000,000.00

Morrisville College Foundation, Inc
New Student Housing Facility
Morrisville, NY
$15,800,000.00

Dept of General Services
Pecks Pond
Porter Township, PA
$811,000.00

Community Development Properties
Cayuga Green Parking Garage
Ithaca, NY
$13,400,000.00

Abington Regional Wastewater
Wastewater Treatment Plant Upgrade
Chinchilla, PA
$20,500,000.00

City of Binghamton
Solid Handlings Upgrades
Binghamton, NY
$22,000,000.00

Village of Waverly
Wastewater Treatment Upgrade
Waverly, NY
$10,900,000.00

West Cocalico
West Cocalico WWTP
West Cocalico, PA
$6,876,587.00

Aqua PA
Maple Hills
Allentown, PA
$73,000.00

Dept of General Servcies
Flat Rock Dam
Philadelphia, PA
$4,800,000.00

Tower City Borough Authority
Tower City Water System Imp.
Tower City, PA
$1,567,218.00

Republic Services
Modern Landfill LTP
York, PA
$22,411,566.00

ESPOMA
ESPOMA Foundations
Hegins, PA
$1,420,000.00

Borough of Frackville
Spruce Street Bridge
Frackville, PA
$1,897,354.00

LEAH EICHENBERG

PROJECT MANAGER

YEARS OF EXPERIENCE

Quandel: Since 2019

EDUCATION

Bachelor of Environmental Design of Architecture- Marywood University

Minersville Area High School

CERTIFICATIONS

ICRA 8 Hour Training

AFFILIATIONS

Member of Safety Committee

Leah has served in the construction industry for 4 years. Her attention to detail and insistence of high standards and quality work make her a very valuable member of the Performance Construction team. She is experienced in all facets of construction.

SELECT PROJECT EXPERIENCE

Blythe Twp Solid Waste Authority
BRADS Landfill
St. Clair, PA
$2,200,000.00

Borough of Minersville
Minersville Legion Memorial Park
Minersville, PA
$138,000.00

Dept of General Services
Pecks Pond
Porter Township, PA
$811,000.00

Aqua PA
Beech Mountain Well Station
Butler Township, PA
$653,000.00

Aqua PA
Country Club Gardens
Allentown, PA
$123,000.00

Mahanoy City Sewer Authority
Reed Bed Rehab
Mahanoy City, PA
$200,000.00

Hegins-Hubley Authority
Hubley Water Storage Tank
Hubley Township, PA
$500,000.00

Evangelical Community Hospital
Evangelical Patient Room Imp.
Lewisburg, PA
$1,200,000.00

Aqua PA
Maple Hills
Allentown, PA
$73,000.00

Dept of General Services
Flat Rock Dam
Philadelphia, PA
$4,800,000.00

Tower City Borough Authority
Tower City Water System Imp.
Tower City, PA
$1,567,218.00

Republic Services
Modern Landfill LTP
York, PA
$22,411,566.00

ESPOMA
ESPOMA Foundations
Hegins, PA
$1,420,000.00

Universal Forest Products
UFP Foundations
Gordon, PA
$310,000.00

ANDY STUDLACK
PROJECT FOREMAN

YEARS OF EXPERIENCE
25 Years

EDUCATION
Minersville Area High School

CERTIFICATIONS
10 Hour OSHA
30 Hour OSHA
Scaffolding
Ariel Lift
HAZCOM
CPR/First Aid
Fall Protection
Confined Spaces
Rigging

Andy has served in the construction industry for over 25 years. His skills in running efficient and timely projects have made him a very valuable member of the Performance Construction team. His safety record has been exemplary. He has served as a carpenter and a carpenter foreman and is experienced in all facets of building construction.

SELECT PROJECT EXPERIENCE

PA Dept of Corrections
Camp Hill Prison
Camp Hill, PA
$83,600.00

PPC Lubricants Corporation
New Office & Distribution Facility
Jonestown, PA
$1,300,000.00

Borough of Elizabethtown
WWTP Upgrade
Elizabethtown, PA
$12,700,000.00

Moses Taylor Hospital
New Obstetrical Facility
Scranton, PA
$3,000,000.00

Sid Tool Company
Phase III Addition
Jonestown, PA
$6,300,000.00

Community Action Commission
Mount Pleasant Plaza
Harrisburg, PA
$881,000.00

Wilkes University
Student Union Building
Wilkes-Barre, PA
$5,400,000.00

Pottsville Hospital
Fourth Floor OB/GYN Reno.
Pottsville, PA
$211,000.00

Schuylkill Municipal Authority
Indian Run Filtration Plant
Pottsville, PA
$3,500,000.00

Minersville Municipal Authority
WWTP Modifications
Minersville, PA
$2,100,000.00

Reading Area Water Authority
Residuals Thinkening Project
Reading, PA
$2,700,000.00

Wilkes-Barre School District
New High School
Wilkes-Barre, PA
$6,683,858.00

Cedarbrook Senior Care
Skilled Nursing Addition
Allentown, PA
$2,488,375.00

Penn State University
Berks Campus Beaver Center
Reading, PA
$2,222,357.00

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 2. Project Management Plan

T-2B.a Overall Project Work Plan & Schedule

MARQUETTE LAKE DAM REHABILITATION
PROJECT NO. DGS C-0960-0086 PHASE 1

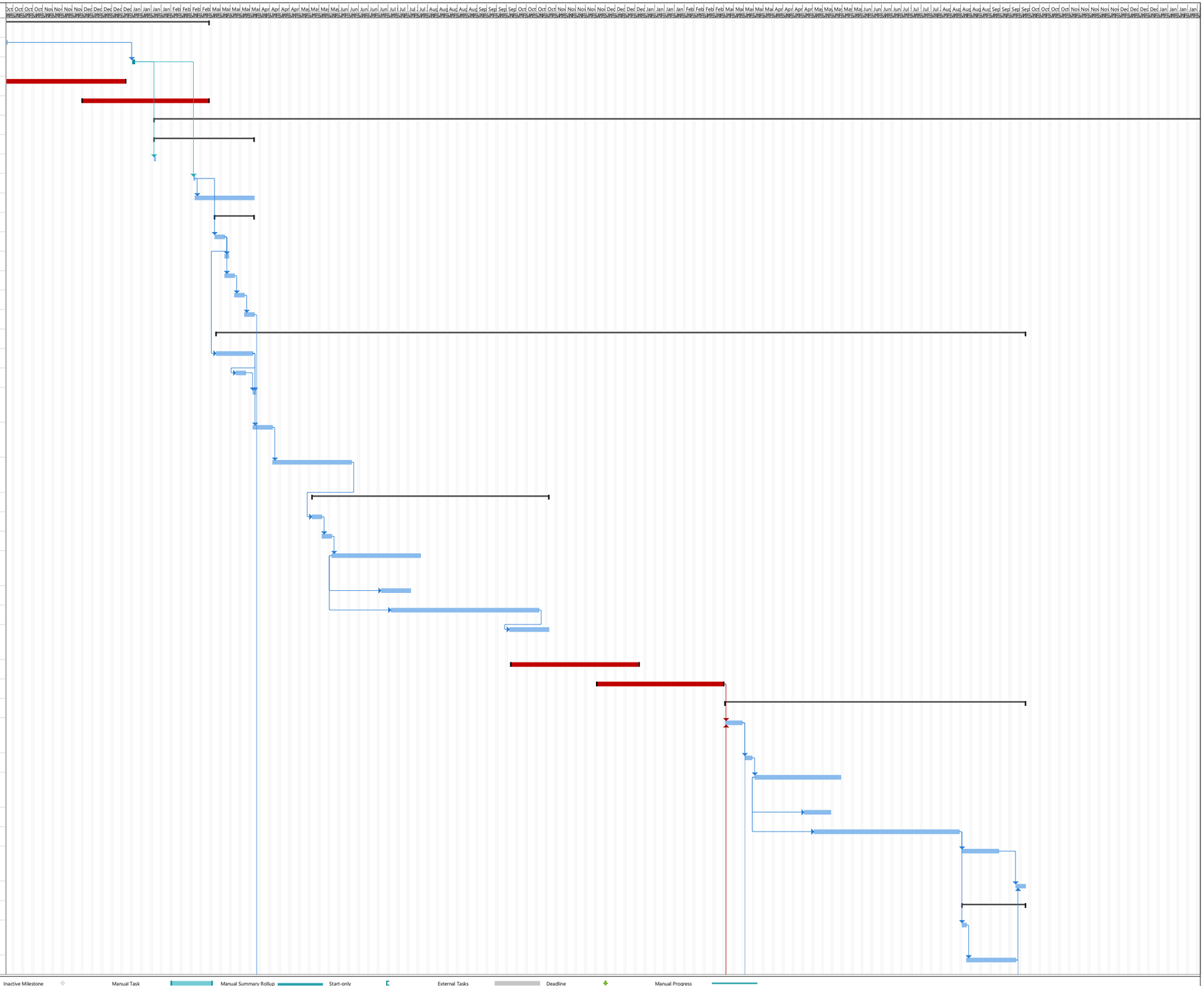
TECHNICAL SUBMITTAL

T-2B.a Overall Project Work Plan & Schedule

After carefully reviewing the contract documents, KC began developing a comprehensive scope and work plan. The project duration of 730 calendar days should be sufficient to complete the determined project scope. Great effort was put into developing a dewatering and diversion of water plan that would enable us to progress the project in an efficient manner and meet the project timelines.

- Sequence of Construction
  - KC plans to generally follow the sequence of construction as outlined on the E&S drawings and in the specifications.
  - KC has identified 4 major construction components of the Dam Rehabilitation project and intends to build them in organized sequential steps. The major components are:
    - Auxiliary Spillway – Demolition of the existing masonry spillway structure and bridge. Excavation and installation of new CIP Concrete Labyrinth Spillway
    - Downstream Channel – Excavation and removal of existing downstream channel and armoring. Installation of new CIP concrete retaining walls and newly riprap lined channel.
    - East & West Embankment – Excavate existing embankment, subgrade prep and installation of internal drainage system (Chimney/Blanket/Toe Drains); embankment placement to flatten downstream slope.
    - 17th St Bridge – Demo existing structure, control of water, install new bridge system
  - The sequence of construction is being driven by the necessary control of water and dewatering measures and staging of earthwork materials – all need to be completed in very deliberate steps to progress the work effectively and efficiently. The spillway and embankment construction will run concurrently, which is required to meet the project schedule.
- Resources and Working Hours
  - The site will be staged, and access roads established in such a way to make coordination manageable and multiple activities feasible of running concurrently as needed.
    - KC expects to have the following major dedicated crews on-site
      - (2) Demo/Earthwork Crew – access roads, concrete demo and removal, temporary cofferdams, subgrade excavation, material screening, fill placement and compaction, fine grading, drainage systems, and structure backfilling.
      - (2) Subcontractor Concrete Crews – form, pour, strip, and finish all CIP Concrete
  - KC expects to work within normal working hours. Additional crews can be added as needed to meet the project schedule demands.
- Project Schedule
  - Attached is a preliminary project schedule (identifying all required milestones).
    - We are anticipating construction to start in early spring. It is our intent to mobilize as soon as possible after the notice to proceed and establish the construction site including necessary clearing, access roads and laydown.
    - Working restrictions (Bald Eagle, Trout) have been addressed and incorporated into our baseline schedule.

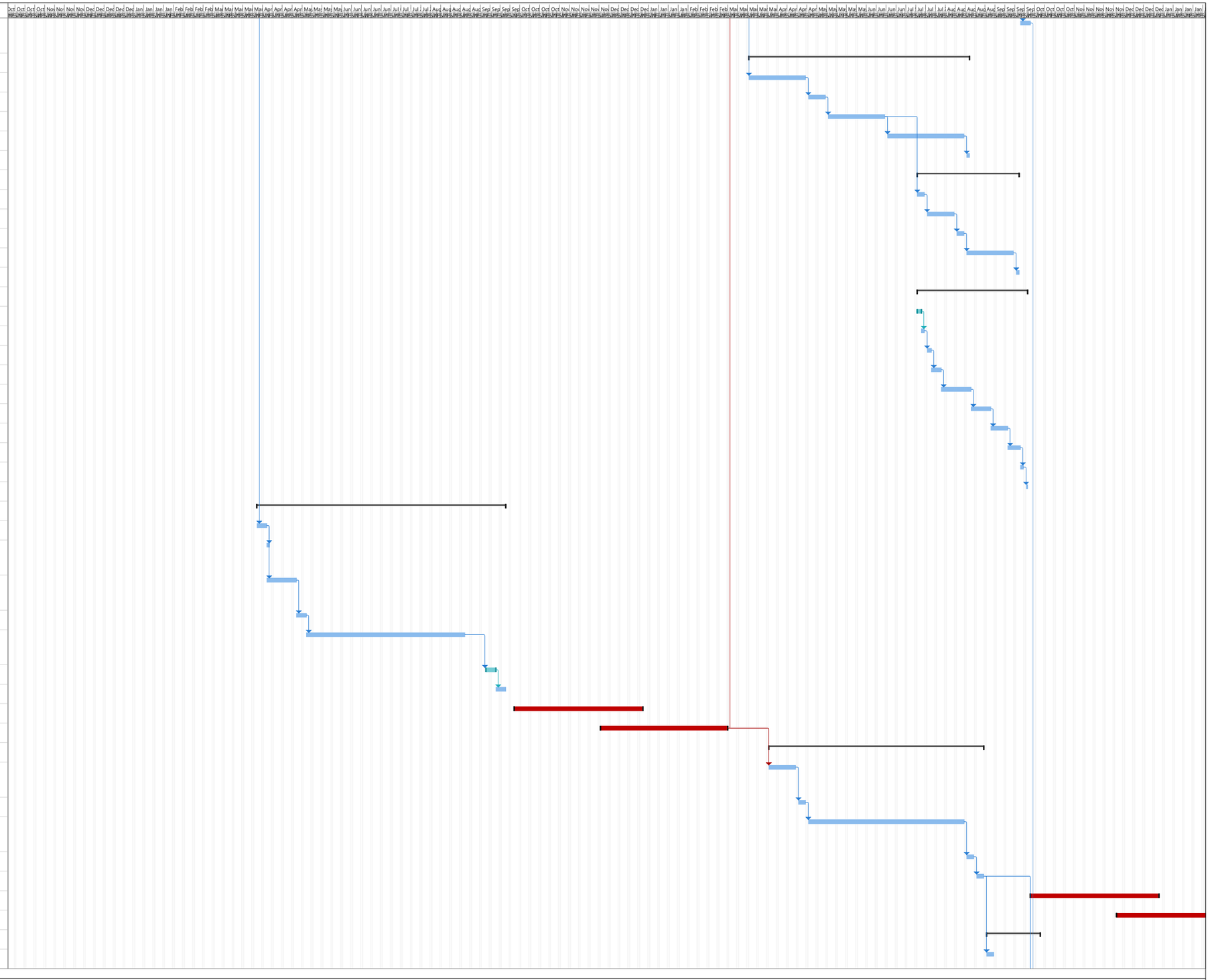
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		**Pre-Construction**	**109 days**	**Tue 10/1/24**	**Fri 2/28/25**	
2		Submit RFP	1 day	Tue 10/8/24	Tue 10/8/24	
3		Notice of Award (90-day Proposal Period)	1 day	Mon 1/6/25	Mon 1/6/25	2
4		**Trout In-Water Restriction**	66 days	Tue 10/1/24	Tue 12/31/24	
5		**Bald Eagle Work Restriction**	66 days	Sun 12/1/24	Fri 2/28/25	
6		**Marquette Lake Dam Rehabilitation (730 Day Duration)**	**549 days**	**Tue 1/21/25**	**Sun 2/28/27**	
7		**Project Admin**	**51 days**	**Tue 1/21/25**	**Tue 4/1/25**	
8		Notice to Proceed	1 day	Tue 1/21/25	Tue 1/21/25	3FS+10 days
9		Initial Job Conference	1 day	Tue 2/18/25	Tue 2/18/25	3FS+30 days
10		Material Procurement/Submittals	30 days	Wed 2/19/25	Tue 4/1/25	9
11		**Preliminary Construction - Job Setup**	**20 days**	**Wed 3/5/25**	**Tue 4/1/25**	
12		Mobilization - *Milestone*	5 days	Wed 3/5/25	Tue 3/11/25	9FS+10 days
13		Survey Layout	3 days	Wed 3/12/25	Fri 3/14/25	12
14		Preliminary E&S Controls *Milestone*	5 days	Wed 3/12/25	Tue 3/18/25	12
15		Install Access Road & Laydown/Staging Areas	5 days	Wed 3/19/25	Tue 3/25/25	14
16		Clearing & Grubbing *Milestone*	5 days	Wed 3/26/25	Tue 4/1/25	15
17		**Auxiliary Spillway & Channel Improvements**	**410 days**	**Thu 3/6/25**	**Wed 9/30/26**	
18		Lake Lowering - In Coordination with Agency	18 days	Thu 3/6/25	Mon 3/31/25	12FS-4 days
19		Install Temporary Construction Access & Crossings	5 days	Thu 3/20/25	Wed 3/26/25	18FS-8 days
20		Install Diversion of Water Features - Vegetated Filter Strip & Rock Filters	2 days	Tue 4/1/25	Wed 4/2/25	19,18
21		Demolition of Existing Spillway Bridge, Piers & Chute *Milestone*	10 days	Tue 4/1/25	Mon 4/14/25	18
22		Bulk Excavation and Subgrade Prep for New Spillway Incl Drainage System*Milestone*	40 days	Tue 4/15/25	Mon 6/9/25	21
23		**Stage 1 Auxiliary Spillway Construction**	**120 days**	**Tue 5/13/25**	**Mon 10/27/25**	
24		Install Stage 1 Control of Water *Milestone*	5 days	Tue 5/13/25	Mon 5/19/25	22FS-20 days
25		Demo Remaining East Aux Spillway Features	5 days	Tue 5/20/25	Mon 5/26/25	24
26		Spillway Approach& Foundation - Excavation & Prep, Underdrain Installation *Milestone*	45 days	Tue 5/27/25	Mon 7/28/25	25
27		Rock Anchors	15 days	Tue 7/1/25	Mon 7/21/25	26SS+25 days
28		CIP Concrete - Stage 1 Spillway Slab & Training Wall	75 days	Tue 7/8/25	Mon 10/20/25	26SS+30 days
29		Complete Wall Drainage System and Backfill New Left Training Wall *Milstone*	20 days	Tue 9/30/25	Mon 10/27/25	28FS-15 days
30		**Trout In-Water Restriction**	65 days	Wed 10/1/25	Tue 12/30/25	
31		**Bale Eagle Work Restriction**	66 days	Mon 12/1/25	Sat 2/28/26	
32		**Stage 2 Auxiliary Spillway Construction**	**153 days**	**Mon 3/2/26**	**Wed 9/30/26**	
33		Remove Stage 1 and Install Stage 2 Control of Water *Milestone*	10 days	Mon 3/2/26	Fri 3/13/26	31,76
34		Demo Remaining Aux Spillway Features	5 days	Mon 3/16/26	Fri 3/20/26	33
35		Spillway Foundation Excavation & Prep, Underdrain Installation	45 days	Mon 3/23/26	Fri 5/22/26	34
36		Rock Anchors	15 days	Mon 4/27/26	Fri 5/15/26	35SS+25 days
37		CIP Concrete - Stage 2 Spillway Slab & Training Wall	75 days	Mon 5/4/26	Fri 8/14/26	35SS+30 days
38		Complete Wall Drainage System and Backfill New Right Training Wall *Milestone*	20 days	Mon 8/17/26	Fri 9/11/26	37
39		Topsoil and stabilize disturbed areas	5 days	Thu 9/24/26	Wed 9/30/26	38,42
40		**Stage 3 Auxiliary Spillway Construction (Weir)**	**33 days**	**Mon 8/17/26**	**Wed 9/30/26**	
41		Remove Stage 2 Control of Water and Install Weir Wall Controls	3 days	Mon 8/17/26	Wed 8/19/26	37
42		CIP Concrete - Weir Walls	25 days	Thu 8/20/26	Wed 9/23/26	41



Project: Marquette Lake Dam P
Date: Mon 10/7/24

Task · Split · Milestone · Summary · Project Summary · Inactive Task · Inactive Milestone · Inactive Summary · Manual Task · Duration-only · Manual Summary Rollup · Manual Summary · Start-only · Finish-only · External Tasks · External Milestone · Deadline · Progress · Manual Progress

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
43		Final Grading of East & West Approach Channels *Milestone*	5 days	Thu 9/24/26	Wed 9/30/26	42
44		**Downstream Channel Construction**	**112 days**	**Mon 3/16/26**	**Tue 8/18/26**	
45		Bulk Excavation and Rock Removal	30 days	Mon 3/16/26	Fri 4/24/26	33
46		Subgrade Prep (Retaining Walls & RipRap Slopes)	10 days	Mon 4/27/26	Fri 5/8/26	45
47		Channel CIP Conc Retaining Walls	30 days	Mon 5/11/26	Fri 6/19/26	46
48		Install RipRap Scour Protection *Milestone*	40 days	Mon 6/22/26	Fri 8/14/26	47
49		Remove Upstream/Downstrea Cofferdams	2 days	Mon 8/17/26	Tue 8/18/26	48
50		**Additional Downstream Channel Construction (BB2)**	**52 days**	**Mon 7/13/26**	**Tue 9/22/26**	
51		Clearing and Grubbing	5 days	Mon 7/13/26	Fri 7/17/26	47FS+15 days
52		Bulk Excavation	15 days	Mon 7/20/26	Fri 8/7/26	51
53		Subgrade Prep	5 days	Mon 8/10/26	Fri 8/14/26	52
54		Install RipRap Scour Protection *Milestone*	25 days	Mon 8/17/26	Fri 9/18/26	53
55		Remove Temporary Cofferdams	2 days	Mon 9/21/26	Tue 9/22/26	54
56		**17th Street Bridge (BB3)**	**56 days**	**Mon 7/13/26**	**Mon 9/28/26**	
57		Clearing and Grubbing	3 days	Mon 7/13/26	Wed 7/15/26	
58		E&S Controls	2 days	Thu 7/16/26	Fri 7/17/26	57
59		Control of Water - Flume Pipe	3 days	Mon 7/20/26	Wed 7/22/26	58
60		Demolition of Existing Bridge	5 days	Thu 7/23/26	Wed 7/29/26	59
61		Bulk Excavation & Subgrade Prep	15 days	Thu 7/30/26	Wed 8/19/26	60
62		Box Culvert & Wingwall Installation	10 days	Thu 8/20/26	Wed 9/2/26	61
63		Backfill New Structure	8 days	Thu 9/3/26	Mon 9/14/26	62
64		RipRap Amoring R-6	7 days	Tue 9/15/26	Wed 9/23/26	63
65		Asphalt Paving Restoration *Milestone*	2 days	Thu 9/24/26	Fri 9/25/26	64
66		Bridge Barrier (Guiderail)	1 day	Mon 9/28/26	Mon 9/28/26	65
67		**Downstream East Embankment Improvements**	**126 days**	**Wed 4/2/25**	**Wed 9/24/25**	
68		Install E&S Controls	5 days	Wed 4/2/25	Tue 4/8/25	16
69		Demo Pavement, Utility Poles, Guiderail on Embankment Crest	2 days	Wed 4/9/25	Thu 4/10/25	68
70		East Embankment Topsoil Strip, Bulk Excavation, Salvage Rock Slope Protection	15 days	Wed 4/9/25	Tue 4/29/25	68
71		Excavate/Subgrade Internal Drain	5 days	Wed 4/30/25	Tue 5/6/25	70
72		Construct Internal Drain (Incl Pipe, Drainfill, Earthfill) *Milestone*	80 days	Wed 5/7/25	Tue 8/26/25	71
73		Install Upstream RipRap Protection *Milestone*	5 days	Thu 9/11/25	Wed 9/17/25	72
74		Finish Grading & Topsoil Respread	5 days	Thu 9/18/25	Wed 9/24/25	73
75		**Trout In-Water Restriction**	65 days	Wed 10/1/25	Tue 12/30/25	
76		**Bale Eagle Work Restriction**	66 days	Mon 12/1/25	Sat 2/28/26	
77		**Downstream West Embankment Improvements**	**110 days**	**Mon 3/30/26**	**Fri 8/28/26**	
78		West Embankment Topsoil Strip, Bulk Excavation, Salvage Rock Slope Protection	15 days	Mon 3/30/26	Fri 4/17/26	76FS+20 days
79		Excavate/Subgrade Internal Drain	5 days	Mon 4/20/26	Fri 4/24/26	78
80		Construct Internal Drain (Incl Pipe, Drainfill, Earthfill) *Milestone*	80 days	Mon 4/27/26	Fri 8/14/26	79
81		Install Upstream RipRap Protection *Milestone*	5 days	Mon 8/17/26	Fri 8/21/26	80
82		Finish Grading & Topsoil Respread	5 days	Mon 8/24/26	Fri 8/28/26	81
83		**Trout In-Water Restriction**	65 days	Thu 10/1/26	Wed 12/30/26	
84		**Bald Eagle Work Restriction**	65 days	Tue 12/1/26	Sun 2/28/27	
85		**Site Restoration**	**28 days**	**Mon 8/31/26**	**Wed 10/7/26**	
86		Topsoil, Seed Stabilize Remaining Site Areas	5 days	Mon 8/31/26	Fri 9/4/26	82



Project: Marquette Lake Dam P
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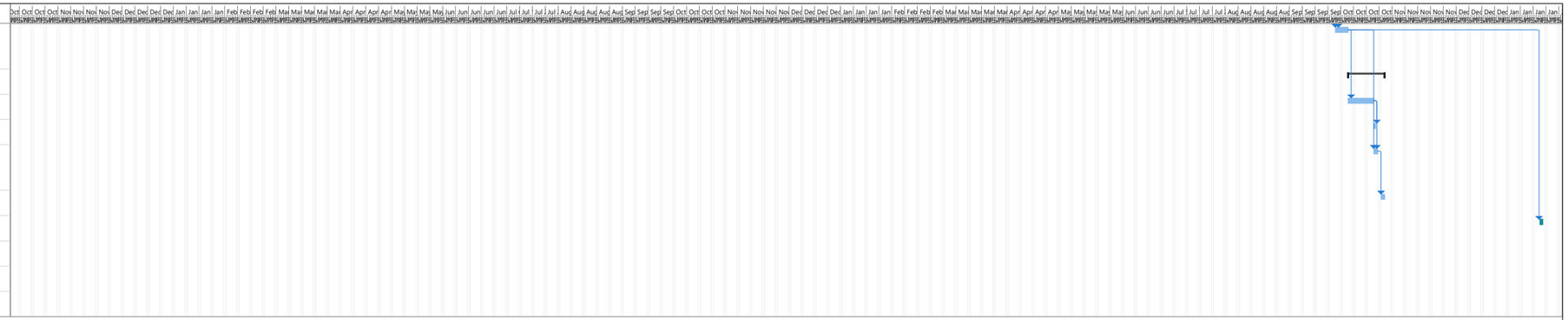
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
87		Restore Access Roads & Gravel Parking Areas, and Other Misc Improvements	5 days	Thu 10/1/26	Wed 10/7/26	82,43
88		**Project Closeout**	**14 days**	**Thu 10/8/26**	**Tue 10/27/26**	
89		Punch List Work	10 days	Thu 10/8/26	Wed 10/21/26	87
90		O&M Manuals & Training	1 day	Thu 10/22/26	Thu 10/22/26	89
91		Remove Remaining E&S Controls and Complete Final Restoration *Milestone*	2 days	Thu 10/22/26	Fri 10/23/26	89,87
92		Demobilize Site	2 days	Mon 10/26/26	Tue 10/27/26	91
93		***Final Completion***	1 day	Thu 1/21/27	Thu 1/21/27	87
94						
95						
96						



Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 2. Project Management Plan

T-2B.b Critical Items Work Plan

MARQUETTE LAKE DAM REHABILITATION
PROJECT NO. DGS C-0960-0086 PHASE 1

TECHNICAL SUBMITTAL

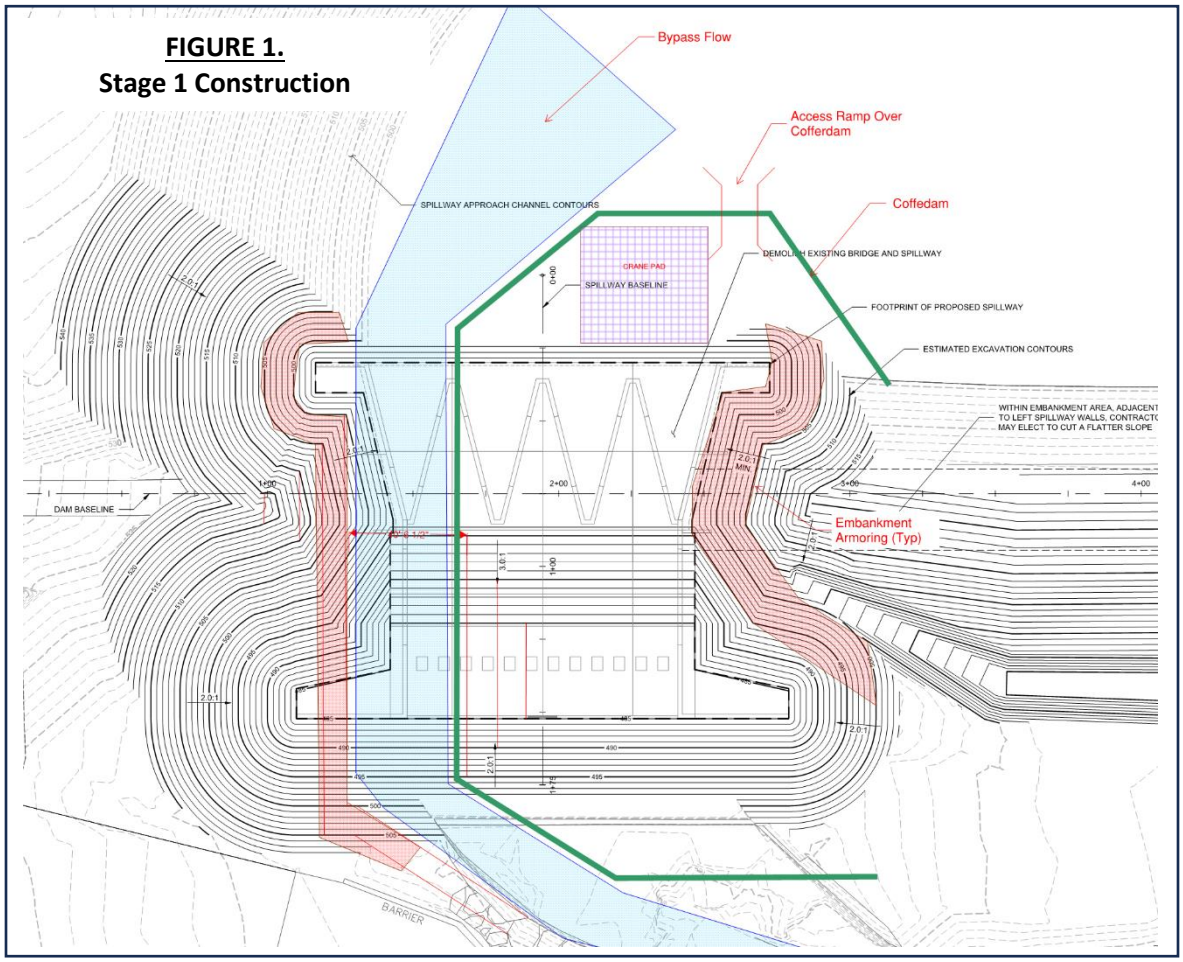
T-2B.b Critical Items Work Plan

- **CONTROL/DIVERSION OF WATER**
  - ❖ *Self-Performed with Support from GEI Consultants*
  - General Lake Drawdown and Diversion Requirements – The lake is currently at normal pool but will be lowered for construction operations.
    1. The base streamflow will be managed utilizing the existing outlet works during construction of the new spillway.
    2. Initial lowering will be conducted in coordination with Client Agency personnel. Maximum drawdown is 1-foot per day, so this may take a few weeks depending on weather. Access for agency personnel will be provided to perform fish salvage operations as desired.
    3. The capacity of the existing outlet conduit is limited but it is understood that the level of protection for this project shall represent the peak reservoir stage for the 100-year flood event for the embankment and 10-year flood event for work zones.
    4. It is the contractor's responsibility to evaluate risk and progress the project in a manner that mitigates those risk levels. The contractor shall protect the existing embankment/abutment soils and work zone during water control activities and will be responsible for all damage caused by flooding events or system failures including dewatering and cleaning of affected area.
    5. The contractor shall further prepare a contingency plan for non-performing diversion works or the need for additional capacity.
    6. A surveillance plan will be developed to monitor storm and lake conditions during significant events including notification to state agencies of rising pool elevations and subsequent hourly updates.
  - Spillway Construction – It is KC's intent to generally follow the sequence of construction provided on the Construction Sequence Plan (C-3)
    1. Stage 1 Construction
       i. After installing the E&S controls for this site, KC will begin establishing access roads to initial work areas. Demolition of the existing structures will commence as detailed in the suggested sequence including excavation of soils and weathered rock.
       ii. As mentioned above, base flows will be passed through the Principal Spillway Intake and Low-Level Outlet conduit.
       iii. KC intends to install a sandbag or bin block cofferdam (with geomembrane liner) which will be approx. 500 LF and isolate the left half of the Auxiliary Spillway, tying into the upstream and downstream side of the West Embankment. Material can be generated from the channel widening. Minimum cofferdam elevation will be calculated by our control of water engineer – representing the computed peak reservoir stage during a 10-yr flood including 1-foot of freeboard. It is assumed bypass channel will be excavated to weathered bedrock. If bedrock is not encountered, the channel will be lined to prevent erosion.

iv. Additionally, riprap will be installed on the exposed dam embankment slopes up to the computed peak reservoir stage during a 100-yr flood. Riprap will be sized by our engineer based on anticipated flow velocity.

v. See Figure 1. for conceptual plan.

FIGURE 1.
Stage 1 Construction



vi. Rock Filter Outlet - Prior to any earth disturbance within this work zone, rock filter outlets will be installed and vegetated filter strips planted.

vii. Channel Crossing - A temporary channel/stream crossing will be installed to provide construction traffic access from the staging areas to our work zones.

1. The temp crossings will remain in place for the duration of the project to service construction vehicle access. The crossing will be designed to meet and pass base/low flow requirements and be capable of overtopping during major storm events.

2. Stage 2 Construction

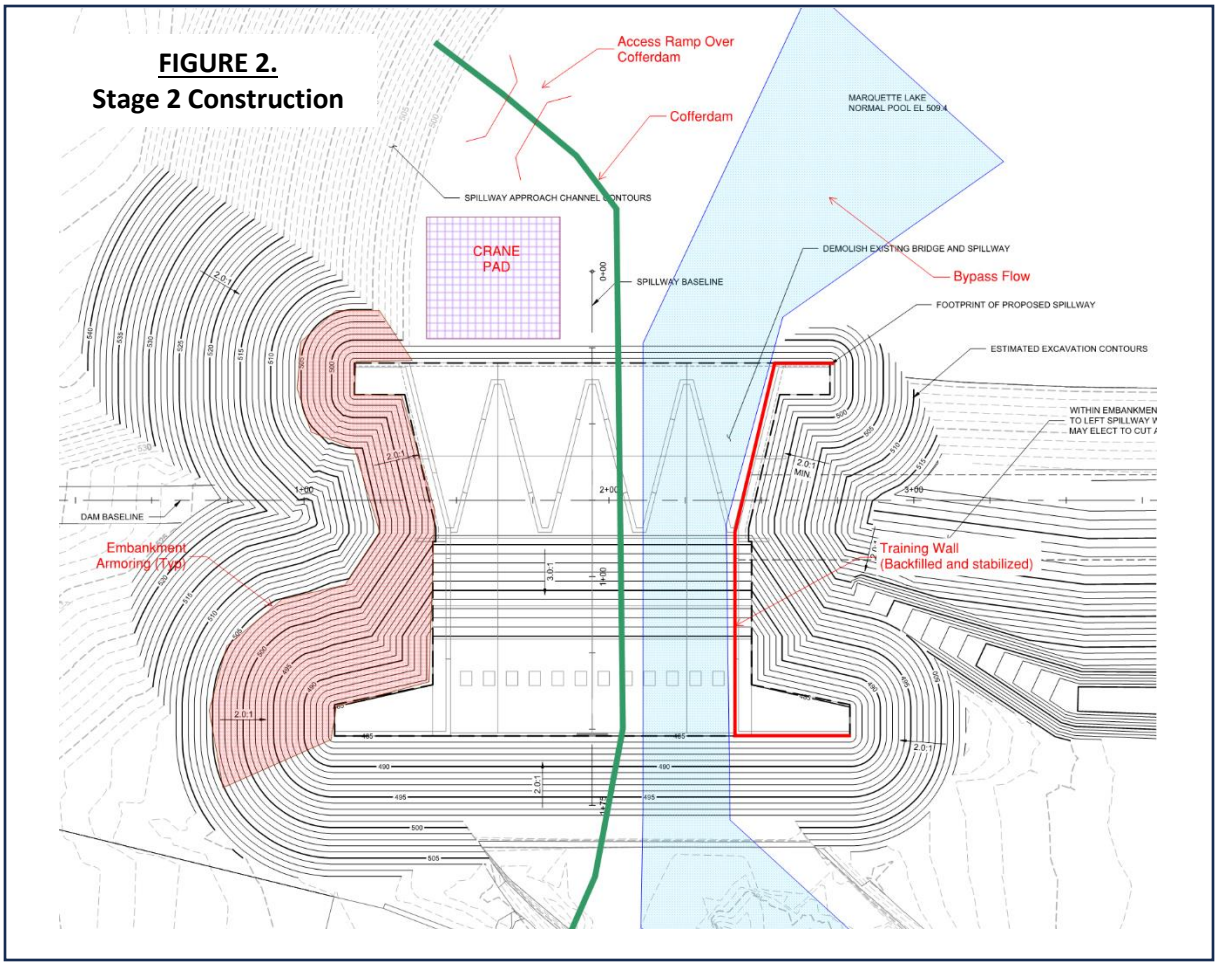
i. Upon completion of Stage 1 construction (including backfill of new abutment training walls and other required improvements to protect embankment), Stage 1 cofferdam will be transferred over to establish the new work zone for the right side of the spillway.

ii. Bypass flow will now travel over the newly completed spillway slabs and the East embankment will be protected by the new training wall. Riprap embankment

armoring will remain on the West embankment to protect from a 100-yr event until the right training wall is established and backfilled.

iii. Any remaining demolition will be completed, and construction of right side of the auxiliary spillway structure will be completed.

iv. See Figure 2 for conceptual plan



3. Stage 3 Construction (Weir Walls & Channel Improvements)

i. Upon completion and backfill of Stage 2 construction, the Stage 2 cofferdam will be removed.

ii. Minimal cofferdams will be temporarily installed on the spillway slabs to protect weir wall construction as needed. The final weir cycle will be formed and poured within a weather window (to the best of our ability) to limit potential risk of damage to work.

iii. Similarly to the weir walls, the downstream channel retaining walls will be protected by temporary sandbag cofferdams as needed. These walls will generally be founded on rock, so the risk of erosion is minimal.

iv. After completion of the labyrinth weir walls and channel retaining walls, final riprap scour protection will be installed downstream.

- **DEWATERING**
  - ❖ *Self-Performed with Design Support from GEI Consultants*
  - Based on the data presented in the geotechnical report, it is difficult to anticipate how much water may be encountered in the proposed deep excavations for the new spillway and toe drain collection systems because the reservoir was at normal pool at the time of the observations. As stated, it should be anticipated that water levels will fluctuate in the hydrostatic water table depending on variations in the reservoir level, precipitation events, surface runoff, and performance of diversion structures.
    1. Surface Water
       i. Excavations and interim embankment grading will utilize best practices to divert water away from work zones (trenches, diversion berms, etc.) as well as sealing disturbed surfaces daily and temporary stabilization (seeding/mulch) applied until permanent grades are achieved.
    2. Excavation Dewatering
       i. Typically, KC will excavate some investigative test pits to identify and delineate potential areas of concern to assist with the development of our dewatering plan.
       ii. It is anticipated that the deep excavations at the toe of embankments and spillway subgrade will be serviced by local sumps as needed. All pumped water will pass through BMPS (temporary sediment trap, pump filter bags, etc.) to eliminate sediment from moving downstream.
       iii. If conditions beyond those anticipated are encountered, we will consult with our dewatering consultant to modify our plan and implement appropriate control measures.
       iv. The new toe drain collection systems will be constructed from the low point discharge location and work upslope which will also serve as a dewatering facility as installation progresses.
    3. Cofferdam Dewatering
       i. To address leaks through cofferdams, KC will install dewatering facilities between our cofferdams and excavation zones to manage the anticipated seepage.
          1. Dewatering facilities may be a combination of interceptor trenches with filter material and local sumps.
          2. For overtopping, submersible pumps will be used to dewater the work zone.
    4. System Operation and Maintenance
       i. KC will establish a set of procedures to test dewatering systems upon installation, operate and maintain systems, repair, and perform scheduled maintenance on equipment and facilities, setup contingency plans (power, fuel), and conduct daily observations of system.
    5. System Removal
       i. All dewatering systems will be removed after operations are discontinued. Any damage caused by the systems will be repaired and restored following removal.
       ii. As-built locations and depths of any decommissioned dewatering elements left in place will be recorded and any interaction with permanent drainage improvements will be detailed.

- **CAST-IN-PLACE CONCRETE**
  - ❖ *Performance Construction Company*
  - Performance Construction Company specializes in structural cast in place concrete installation. We have successfully completed many dam and treatment plant projects that require watertight concrete construction.
  - While developing a strategy of approach for the construction of this project, the team at Performance Construction Company pulled from our years of experience on similar projects. This experience will give us a first-hand perspective on some of the processes that we found to be successful, as well as insight into how to avoid possible setbacks.
  - Performance Construction has thoroughly reviewed the specifications in detail Section 03300 Cast In Place Concrete. We understand the requirements and will provide all project submittals per Section 1.5 A special focus will be placed per section 1.7 Quality Requirements, All Testing, Qualifications for Personnel.
  - The requirements for the vinyl water stop will also be met. We will provide the names of our employees who are trained to properly install and field weld butt splices. All intersecting changes of direction will be fabricated and provided by the manufacturer.
  - Performance Construction Company has extensive experience in dam construction, and we understand the importance of meeting and exceeding all specified requirements and tolerances. Our approach to performing the construction of the spillway, along with the downstream training walls will be as follows.
  - We will begin by placing the right-side slabs including associated turndown walls in a checkerboard pattern. The first pour will be Slab F4. The next pour will be Slab F3 and E4, followed by D4 and ES. At this point we will start an additional crew to install the first section of wall on the F4 slab. The walls will be built in two lifts as shown on the documents. We will continue to pour two sections of slabs at a time with the spillway walls sections following closely behind. Once complete we will install the weir walls and finish with the wing walls. In the Spring of 2026, we will construct the left side of the dam in the same manner. We anticipate the construction of one half of the spillway in three months.

- **DRAINAGE FILTER & SEEPAGE COLLECTION SYSTEM AND ZONED EMBANKMENT CONSTRUCTION**
  - ❖ *Self-Performed*
  - As much as possible we plan to maximize production by minimizing material handling. We expect that the earthen material required for embankment construction will be available on-site (excavated from the existing embankments and will be suitable for the zoned backfill (as indicated in Geotech report) with some anticipated drying and screening.
  - As presented in our construction schedule, it is our intent to follow the proposed construction sequence with some minor alterations to remedy control of water and dewatering issues.
  - Zoned Earthfill Materials – during subgrade excavation operations, every effort will be made to identify and class earth materials so they can be stockpiled and separated appropriately. It is important that we determine sufficient quantities are available to be used for embankment fill zones.
    - Placement of embankment will strictly follow specification guidelines as they relate to lift thicknesses, placement around structures, compaction, and moisture content.
  - Collection System - The toe drain subgrade area will be excavated beginning at the low point and progressing upslope. The chimney and blanket drain will then be installed following specification guidelines
    - All subgrade to up against aggregate fill shall be rolled smooth and not be scarified.

        - The blanket and chimney drain construction will be installed in uniform horizontal lifts concurrently with embankment fill to support compaction of the varying fill zones.
        - Control of moisture content and compaction requirements associated to earthfill, coarse aggregates and fine aggregates (sand) shall be executed in strict compliance with the specifications.
    - It is understood that moisture content and compaction of all zoned materials is critical to the performance of the embankment and collection systems related to dam construction.
    - As mentioned earlier, KC has worked on a wide variety of dam embankment scenarios and multiple variations drainage filter/seepage collection systems designed by several different engineers. This is a system we have installed many times before. We understand the design goal and the expectations of the governing agency.

- **EXCAVATED MATERIAL SCREENING**
    - *Self-Performed*
    - As noted above, we plan to maximize production by minimizing material handling. We expect that the earthen material required for embankment construction will be available on-site (excavated from the existing embankments and spillway channel and will be suitable for the zoned backfill (as indicated in Geotech report) with some anticipated drying and screening.
        - KC owns screening equipment but also supplements with specialty equipment from rental companies as needed. Depending on timing and volume of material requiring screening, KC may elect to bring in a subcontractor to support this effort.
        - To meet the earthfill specifications in section 31 23 23, oversized screening of soils will most likely be required.
        - Soil Screening
            - KC will mobilize the appropriately sized portable screening plant to process on-site soils to meet required gradations.
            - Excavated materials that have been classified and stockpiled for reuse in the different zones of embankment fill will be processed by a dedicated screening crew.
            - Processed materials will be separated into appropriate stockpiles for future use and sealed to maintain desired moisture content. If moisture conditioning is required, the soils processing crew will conduct those activities (applying water to stockpile lifts for dry material or spreading and disking lifts to dry wet material).

- **PIEZOMETER INSTALLATION**
    - *Eichelbergers, Inc.*
    - The site currently includes several existing piezometers as part of the dam instrumentation system used for monitoring. Proposed construction scope will impact these locations. KC will protect and raise piezometers accordingly based on the final grades.
    - New piezometers will be installed by Eichelbergers, Inc. who is a long-standing partner of KC and has worked on many of our dam rehabilitation projects. They are also a on a short list of drillers used by dam design professionals for investigative work, so they are well versed on drilling in dam environments.
    - Piezometers exist on just about every dam project KC works on, so we are extremely familiar with this type of instrumentation device. There are multiple ways to protect them, but we have found that dropping a concrete MH section around the riser acts as an excellent deterrent.

- Additionally, walk behind compaction equipment will be used in the immediate vicinity so as not to disturb them.
- Piezometer pipe will be extended in kind.

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 2. Project Management Plan

T-2C Safety Plan

MARQUETTE LAKE DAM REHABILITATION
PROJECT NO. DGS C-0960-0086 PHASE 1

TECHNICAL SUBMITTAL

T-2C Safety Plan

All employees are ultimately responsible for their own safety and share the responsibility for the safety of their co-workers, our client's employees, and their property and equipment. All employees must comply with: KC Construction Company Health and Safety Program; all Federal and State requirements; craft specific safety practices; established Safety, Health and Environmental Policies and Procedures of our clients; and posted safety instructions such as posted signs, barricades, barriers, and permit instructions.

All new employees are given physicals and are drug tested in accordance with our Drug and Alcohol Abuse Policy/Program. Furthermore, all employees are subject to mandatory post-accident drug and alcohol screening.

All Supervisors are required to have OSHA 30 training and CPR/First Aid Training. Other OSHA training such as OSHA-10, Fall Protection, Forklift, Signal Person, Confined Space, Competent Person, etc… are given to all employees as required. All training is performed by Med-Tex Services of Philadelphia, PA.

Upon award of the contract, a Site-Specific Health and Safety Plan (SSHASP) will be prepared and submitted to include, at a minimum, the following items:

- **The scope of work** – This provides information on the work KC Construction has been contracted for and will provide the guide for writing the specific approaches to safety on the job.
- **Contacts** will be listed with e-mail and phone numbers to contact responsible site personnel.
- The plan will, at a minimum, include **general safety topics** such as:

General Safety Rules	Safe Operation of Motor Vehicles
Personal Protective Equipment	Fire Prevention and Protection
Emergency Procedures	Incident Reporting and Investigation
STOP Work Program	Hand and Power Tool Safety
Ladders	Scaffolds
Asbestos Awareness	Silica Awareness

- The plan will include, at a minimum, the following **topics specific** to the work to be performed:
    - Fall Protection/Prevention
    - Confined Space Entry
    - Excavation Safety
    - Crane and Mobile Equipment Safety
    - Rigging
    - Working over or near water

- All employees assigned to the job will be trained, qualified and/or certified for the task they will perform. **Complete course descriptions including hours and training outlines, certifications and training sign-in sheets will be included**. Such training will be:
    - OSHA 10-hour Construction Outreach (general employees)
    - OSHA 30-hour Construction Outreach (forepersons and higher)
    - Fall protection (including competent person)
    - Excavation Safety (including competent person)
    - Confined Space Entry/Rescue
    - Asbestos and Silica Awareness.
- **Safety meetings** will be conducted and documented at least weekly or per contract.
- **Job Hazard Analysis** will be used to assure the hazards have been identified and the safest possible way to perform the task is being utilized
- **Subcontractor management** will be addressed, and subcontractor safety plans reviewed to assure the safety of the specific tasks they will be performing.

This outline is not totally inclusive of all aspects of the SSHASP. KC Construction has acquired the services of a professional safety consultant to write the plan, train the employees and assure compliance with all Federal (OSHA), State, local and client rules and regulations.

Performance Construction: Standard Safety Policy

Performance Construction Company has a written Safety Program Manual (copy available upon request) that is created and updated yearly by Quandel Enterprises Inc. (our parent company). Performance's operations employees are required to review the manual and openly discuss in a number of training sessions. When complete, all employees are required to sign an acknowledgment that they have, in fact, read the manual and will adhere to the required policies and procedures.

Performance has mandatory annual safety training workshops led by Greg Quandel, President & CEO. Employees are also required to have updated OSHA certificates, which require recertification every five years. Everyone on Performance's staff is responsible for project safety, but the Project Superintendent is the main person responsible for safety on site.

"Toolbox Meetings" are held weekly by the Site Superintendent and the trade foremen. During the meeting, the Quandel/Performance "Toolbox" newsletter is discussed, project safety is reviewed, concerns are noted, suggestions are made and next steps are laid out.

Safety Training Programs / Certifications

Performance Construction employs Union Labor for all self-performed work. The Unions provide substantial training opportunities through various training facilities throughout the Commonwealth of Pennsylvania. Performance also provides project specific training as required through Union and/or Independent training facilities/companies such as SMRS.

Performance Committee

Performance has a Safety Committee that meets monthly and Quandel Enterprises has a Safety Committee that also meets monthly to review project safety. Topics discussed include: safety training, equipment, jobsite

inspections, accidents, incidents and near misses. The committee is comprised of members from each branch of the organization, including Greg Quandel and SMRS as representatives from Performance.

Procedure

Performance has a firm commitment to provide and maintain a safe working environment on all of our projects. It is the policy of our management that all practical efforts are made to provide a safe and healthy workplace, and to do everything reasonable to protect jobsite personnel, owner's personnel, the public and property from accident or harm.

Accidents interfere with the orderly progress of the work and are indications of an inefficient operation. We expect everyone on the project to perform their job in a safe manner and in accordance with the procedures outlined in our safety program.

To be effective, the safety program requires full effort and attention from all members of the project team. Listed below are the major responsibilities assigned to each member of the team:

The Project Manager:

- Has full responsibility for Performance's safety program and the results that are achieved.
- Assigns authority for the implementation of the safety program.
- Holds supervisory personnel accountable for a high level of performance.
- Measures results of performance.
- Authorizes the budget and expenditures for safety.
- Approves safety policies.
- Participates in the safety program to show commitment.
- Sets the proper example in safety for all employees.
- Regularly discusses and reviews safety with the supervisory staff to emphasize and reinforce the importance of safety.

The Superintendent and Foremen:

- Regularly inspect the work areas and equipment for compliance with work rules and safety standards.
- Instruct workers on the (1) hazards of the job, (2) how to operate tools and equipment, (3) how to work safely and according to operating procedures, and (4) on applicable safety and health regulations.
- Take responsibility for maintaining a safe and healthy workplace, proper housekeeping, proper ventilation and illumination, safe equipment operation and the use of personal protective equipment as required by each job.
- Ensures that all injuries are promptly and properly treated.
- Analyze all processes, operations and facilities for hazards and eliminate the hazards or provide for proper protection.
- Investigate the causes of all accidents and injuries and complete reports as required.
- Conduct weekly toolbox safety meetings and new worker orientations.
- Make all trade contractors aware the safety violations will result in warnings, citations and possible replacement of workers or the trade contractor.
- Compliment safe workers in the presence of co-workers: counsel unsafe workers when no one else is present.
- Cet a proper example for safety by complying with the safety program and displaying a positive attitude toward safety.

- Arrange for professional medical facilities and first aid. (All supervisory personnel have First Aid and CPR training.)
- Stay informed in the latest safety standards.

Workers:

- Perform only tasks and jobs that they have been trained to do. Use only machinery, equipment or tools that they have been trained to operate.
- Work in accordance with safe practices and comply the safety rules.
- Use required personal protective equipment.
- Report unsafe conditions or practices to supervisory personnel.
- Make safety suggestions.
- Cooperate during the investigation of any accidents that occur.
- Take an active part and participate in safety meeting.
- Performance Construction Services is proud of its safety record. Reflective of Performance's commitment to its successful safety program, our OSHA Experience Modification Factor is .771.

Written Safety Program

- All of our project managers, field managers and on-site team members are required to follow Performance's Safety Program (a voluminous three-ring binder)
- We ensure that all our programs coordinate with those required by Pennsylvania Department of General Services, the Department of Conservation & Natural Resources, and OSHA
- Our on-site staff members are required to have 10-hour OSHA certification; however many of our superintendents and field managers have 30-hour certifications
- The project superintendent or field manager serves as the daily on-site safety officer
  Brian Mickatavage, Senior Superintendent, will visit the site on a regular basis to focus on safety, quality and
- schedule adherence
- We have created a handbook of site-specific safety issues broken down by construction division that our team will utilize on site.

Safety Walk-Through's

In order to ensure that all parties involved with the project understand the safety program, we implement the following strategies:

- Daily safety walk-thru' s of the project site and results recorded
- Weekly site safety meetings
- Hazard Analysis form is required for each task
- Monthly Audit

Emergency Response Area

We will work with the local officials to identify an Emergency Response Area. If there is a safety incident on site, all officials, including those on site, will meet at a pre-determined location so actions can be taken swiftly and effectively.

Worker Management System

- Every person that works on a project is assigned a Hard Hat Tag which includes a unique number and corresponding color
- We copy each subcontractor's driver's license for use with this system.
- If at any time anyone is noticed out of an area where they should be, all we need is the color and number of their Hard Hat Tag, and we can identify the person and take appropriate action.
- If required, we will implement and manage employee background checks to adhere to your policy.

Incident and Accident-Avoidance Program

Performance Construction utilizes the "Near Miss" program to recognize potential incidents that occur on the site. The near miss is immediately addressed and logged as a potential incident. These are then reviewed on a weekly basis with the project team to ensure like incidents are avoided. Disciplinary action process is specified in our Safety Manual for instances, reoccurring instances, and life safety instances.

In addition, all employees are subject to initial "substance abuse testing" and in accordance with our safety manual and employment policies "substance abuse testing' could occur on a random, incident, and as defined in our policy. Subjects testing positive are immediately removed from the job site.

On this project, to ensure a safe project environment, our Project Superintendent will be on site full-time during construction to ensure that all DGS, OSHA and local safety regulations are met. Our goal is to maintain a clean, quiet site with no safety issues or surprises for site visitors during construction.

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 2. Project Management Plan

T-2D Quality Control Plan

MARQUETTE LAKE DAM REHABILITATION
PROJECT NO. DGS C-0960-0086 PHASE 1

TECHNICAL SUBMITTAL

T-2D Quality Control Plan

KC Construction Company utilizes a few key components for maintaining project tracking and reporting. The foremost software currently used is ComputerEase, Heavy Job, Microsoft Project, Microsoft Excel, and E-Builder.

- E-Builder

While KC has its own forms and processes established as shown below, the Departments implementation of E-Builder over the past few years has completely evolved how these projects are managed and controlled. E-Builder Enterprise™ is a cloud-based, construction Program Management Information Solution (PMIS) for capital projects that delivers trusted insight into performance across the entire project lifecycle, reducing risk and improving performance. All communications and documentation are transmitted through this system.

KC was one of the first contractors to use the system and has now completed several projects utilizing this technology. Not only do we now feel as though we are expert users of the program, but we have also embraced it and believe it has a positive impact on job performance for both the owner and the contractor.

- SUBMITTALS

The first step in a successful project setup is a complete and accurate submittal log. KC Construction develops this log based upon the contract documents and drawings. This log contains item numbers for each submittal item along with transmittal numbers for ease of tracking. Other key information contain within the log is date submitted to KC Construction from Subcontractors/Vendors, date submitted to Engineer, date returned from Engineer, and date returned to Subcontractor/Vendor along with review status. This log and each submittal is uploaded to our FTP site for the Engineer and all subcontractors to access. Our submittal log also contains the necessary material certifications required for the project so a detailed tracking effort can be obtained.

Once the log has been developed, we create a submittal schedule which is incorporated within the overall project schedule. This information allows the Project Team to plan accordingly for when they can expect submittals from KC Construction for review and when an anticipated review date is required by the engineer. With having this information incorporated in the overall project schedule it is immediately evident how the submittals effect the work which are associated to them. A sample submittal log is attached for your reference.

Prior to sending submittals into the engineer for review, KC Construction's project management team takes great pride in viewing the submittals for accuracy and pertinent information as required by the project specifications in order to streamline the review process and cut down the need for returned submittals from the engineer requiring resubmission.

- REQUEST FOR INFORMATION (RFIs)

During the project KC Construction along with their subcontracts may have the need to request from the engineer clarification of the drawings or specifications. At that point KC will use a request of information (RFI) system to identify site changes, inconsistencies/clarifications of the specifications, items affecting usability of lifecycle cost, etc. When generating a RFI we typically offer suggested resolutions to the issues. This proactive approach in

many instances aid the Project Team in resolving issues at a faster rate than normal. In additional if there is a cost or a scheduling impact that too will be noted within the RFI. RFIs are tracked via a log containing date submitted and date responded. This log along with the submitted and reviewed responses from the engineer are uploaded onto our FTP site so the Project Team has real time access to this information.

- CHANGE ORDERS

Change Orders are handled via our ComputerEase software. Once a request for change is initiated, we open up a new change order request which are numbered consecutively. This change order request would be supplied to the owner with all necessary information including but not limited to pricing for labor, materials, equipment, and subcontractors and also most importantly an estimated review impact. Some change order requests are critical to review in order to not incur project delays. This information would be noted within the request. Once a request is approved our software would generate a formal contract change order along with a change order number which runs independently of the request numbering. Throughout these steps ComputerEase generates reports for the request along with change orders that detail the current status (reviewing, approved, denied, etc.). These reports are shared at the job progress meetings to ensure the Project Team is fully aware of the current status.

- PUNCHLIST & CLOSEOUT

During project closeout once the punch list walk thru is completed between the engineer, owner, and KC Construction we would generate a punch list log. The punch list items would be listed with a required solution, an estimated completion date, and actual date completed. In addition to the punch list items any necessary closeout documents would be listed such as lien releases, O&M manuals, and warranty documents. Once this log is generated it would be shared with the Project Team via our FTP site and updated constantly.

- QUALITY CONTROL & DAILY REPORTING

Our self-performed and subcontracted work performance would be monitored onsite by our site superintendent and our third-party QC Testing agency. All work would be monitored to be in accordance with the contract documents and drawings. If any items are noted to be in non-conformance, the subcontractor along with the owner/engineer would be immediately made aware of the issue. The subcontractor would be required to make the necessary corrective action prior to moving forward. Once corrected the engineer would be notified of the completed corrective action so they could verify compliance if required.

Our site superintendents utilize our field tracking software HeavyJob (HCSS) which is an industry leading data capture application. This program serves as a one stop shop for all project information to be captured and reported in one location. This software allows the superintendent to quickly and easily complete daily reports containing pertinent information such as weather, daily productions and activities, labor and equipment hours, issues and corrective actions, photo documentation and safety related items. Along with daily reports the software allows for tracking of delivered items and materials. Our reports are uploaded daily to the HeavyJob Manager system so the Project Team has real time access to the current project status.

KC has been fortunate to work on several PA DGS projects in recent years and now has multiple staff members who are fluent users of E-Builder, the Department's proprietary project management software. It is a powerful program that definitely includes a learning curve. KC believes in the system and understands the benefit of the project document organization, reporting capabilities and ability to expedite information processing.

- PAYMENT PROCEDURES

KC Construction has a strong standing relationship with our subcontractor and suppliers. This is due in part by providing prompt payment to all our subcontractors and suppliers. Our core company goal is to have all

subcontractors paid within 1 week of receiving payment from the owner for their work completed. Our Project Manager and Accounting team ensue this is in compliance with the use of ComputerEase which handles our accounts receivable and accounts payable for subcontractors.

Attached are samples of the reports generated by the multiple software we currently utilize.

KC Construction Company - 1737 Stout Drive, Ivyland, PA 18974 - (215) 443-5553 ph (215) 443-0354 fx

SUBMITTAL LOG

Project: NJAW Raritan Millstone Long Term Flood Protection Project
Owner: New Jersey American Water Company
Engineer: AECOM
Contractor: KC Construction Company

Item No.	Transmittal No.	Spec Section	Specification	Paragraph No.	Submittal Description	Submittal Type	Contractor, Subcontractor, Vendor	Date KC Recvd	Date Submitted to Engr	Date Recvd from Engr	ACTION					Date Returned from KC		Comments:
											APPROVED	APPROVED AS NOTED	REVISE & RESUBMIT	REVIEWED FOR COMPLIANCE	INFORMATION ONLY			
		01 53 00.01	Temporary Flood Protection	3.1	Temporary Flood Protection Plan	SD-01 Preconstruction Submittals												
		01 53 00.02	Temporary Retaining Structures	1.5.1	Temporary Retaining Structures - Shop Drawings	SD-02 Shop Drawings												
		01 53 00.02	Temporary Retaining Structures	1.5	Temporary Retaining Structures - Design Data	SD-05 Design Data												
		01 56 00	Dust Control	3.1	Dust Control Plan	SD-01 Preconstruction Submittals												
		01 57 20	Environmental Protection	1.6	Environmental Protection Plan	SD-08 Manufacture's Instructions												
		01 57 20	Environmental Protection	1.7	Site Safety & Health Plan	SD-08 Manufacture's Instructions												
		01 57 20	Environmental Protection	1.7.2	Safety & Health Manager	SD-08 Manufacture's Instructions												
		01 57 20	Environmental Protection	1.9.2	Persons Certified in First Aid & CPR	SD-08 Manufacture's Instructions												
		01 57 20	Environmental Protection	1.14	Emergency Response Plan	SD-08 Manufacture's Instructions												
		01 57 20	Environmental Protection	1.17	Excavation & Handling Work Plan	SD-01 Preconstruction Submittals												
		01 57 20	Environmental Protection	3.8	Quality Control Plan	SD-01 Preconstruction Submittals												
		02 41 00	Selective Demolition	1.7	Existing Conditions Survey	SD-01 Preconstruction Submittals												
		02 41 00	Selective Demolition	1.7	Preconstruction Video Documentation	SD-01 Preconstruction Submittals												
		02 41 00	Selective Demolition	1.8	Demolition Plan	SD-01 Preconstruction Submittals												
		02 41 00	Selective Demolition	1.6.2	Waste Disposal Receipts	SD-07 Certificates												
		03 11 14	Formwork for Concrete	1.7	Form Work - Shop Drawings	SD-02 Shop Drawings												
		03 11 14	Formwork for Concrete	2.1	Form Work Accessories - Product Data	SD-03 Product Data												
		03 11 14	Formwork for Concrete	1.9	Field Inspection Reports - Formwork Placement - QC	SD-06 Test Reports												
		03 15 13	Joints & Waterstop	3.1	Waterstop Layout - Shop Drawings	SD-02 Shop Drawings												
		03 15 13	Joints & Waterstop	2.1.1	Preformed Expansion Joint Filler Strips - Product Data	SD-03 Product Data												
		03 15 13	Joints & Waterstop	2.1.2.1	Field Molded Sealants & Primer - Product Data	SD-03 Product Data												
		03 15 13	Joints & Waterstop	2.1.2.2	Compression Seals & Lubricant - Product Data	SD-03 Product Data												
		03 15 13	Joints & Waterstop	2.1.2.3	Concrete Slope Paving Joints Sealers - Product Data	SD-03 Product Data												
		03 15 13	Joints & Waterstop	2.2.1	Non-Metallic Waterstops - Product Data	SD-03 Product Data												
		03 15 13	Joints & Waterstop	2.1.1	Preformed Expansion Joint Filler Strips - Samples	SD-04 Samples												
		03 15 13	Joints & Waterstop	2.1.2.1	Field Molded Sealants & Primer - Sample	SD-04 Samples												
		03 15 13	Joints & Waterstop	2.1.2.2	Compression Seals & Lubricant - Sample	SD-04 Samples												
		03 15 13	Joints & Waterstop	2.1.2.3	Concrete Slope Paving Joints Sealers - Sample	SD-04 Samples												
		03 15 13	Joints & Waterstop	2.2.1	Non-Metallic Waterstops - Sample	SD-04 Samples												
		03 15 13	Joints & Waterstop	2.3.1.2	Non-Metallic Field Spiced Waterstop - Sample	SD-04 Samples												
		03 21 00	Reinforcing Steel	3.1	Reinforcement Bar - Shop Drawings	SD-02 Shop Drawings												
		03 21 00	Reinforcing Steel	2.1.1	Reinforcement Bar - Product Data	SD-03 Product Data												

DELAWARE DEPARTMENT OF TRANSPORTATION

23697 Dupont Boulevard, Georgetown, Delaware 19947

REQUEST FOR INFORMATION

TO: *(Area Engineer)* George Pierce, PE Group 3 Construction	DATE 1/10/17 RFI NO. **21** CONTRACT NO. T201207603 F.A.P. No.
FROM: Derek Fuller – KC Construction Company	PROJECT NAME: Hearns Pond Dam Improvements
SUBJECT: Joint Details, Waterstop, & Keyway Clarifications	ANSWER REQUIRED BY:
(Department Use Only) Forwarded to: *(name and date)*	Returned from: *(name and date)*
Forwarded to(2nd): *(name and date)*	Returned from(2nd): *(name and date)*

Description of the Request for Information (RFI):

Please find attached sketch. Review and comment if our understanding/clarifications are correct.

ATTACHMENT (1): Joint Clarifications

SIGNATURE *Derek Fuller – KC Construction*

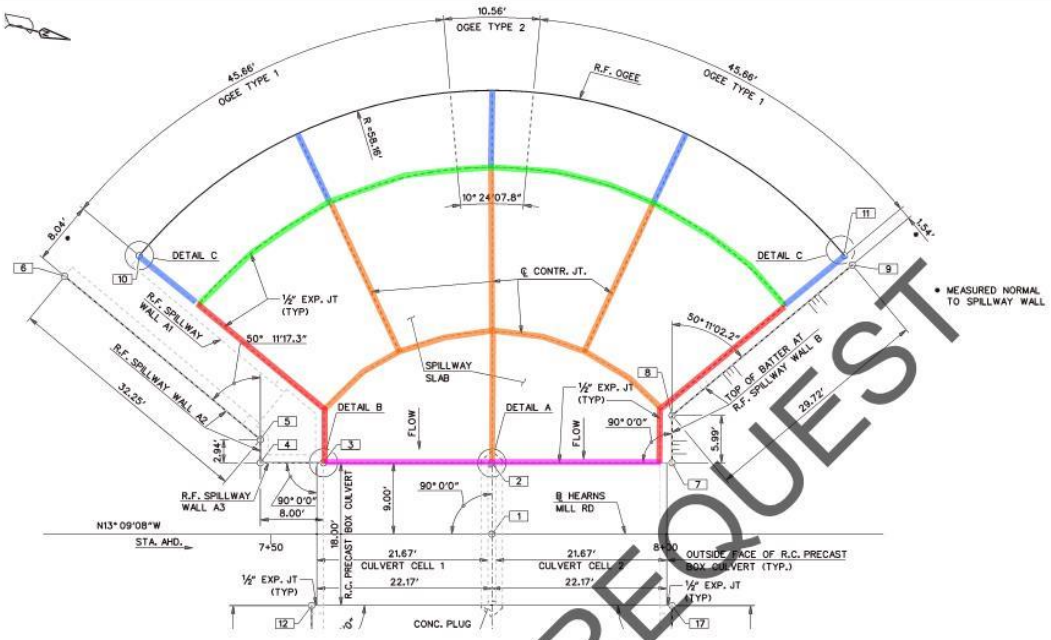
COPIES TO:

ANSWER DATE January 11, 2017

1. Slab to Slab - Agreed, no comment.
2. Slab to Culvert - Use Speed Dowel by Sika, 1 1/2" diameter smooth round dowel 20" long (PSD10), spaced at 30", epoxy coated dowels. Epoxy grout exposed dowel end into existing precast culvert pile cap. Dowels should be located at mid-depth of spillway slab. Ensure dowels are perpendicular to joint face in all directions.
3. Ogee to Slab - Agreed, no comment.
4. Ogee to Ogee - Agreed, bituminous coating for bond break is typical; between ogee to ogee, and ogee to walls A & B.
5. Slab to Walls - Agreed, no comment.

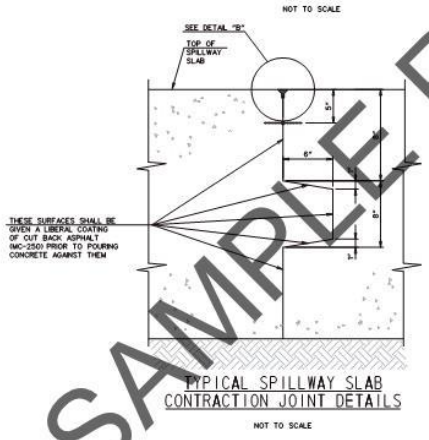
(Note any attachments) SIGNATURE

COPIES TO



LOCATION MAP

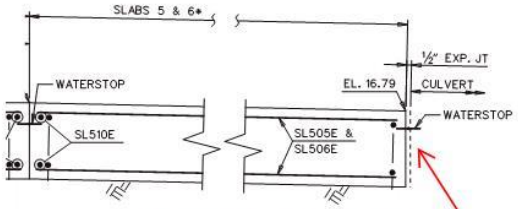
NOT TO SCALE



TYPICAL SPILLWAY SLAB CONTRACTION JOINT DETAILS

NOT TO SCALE

SLAB TO SLAB CONTRACTION JOINT

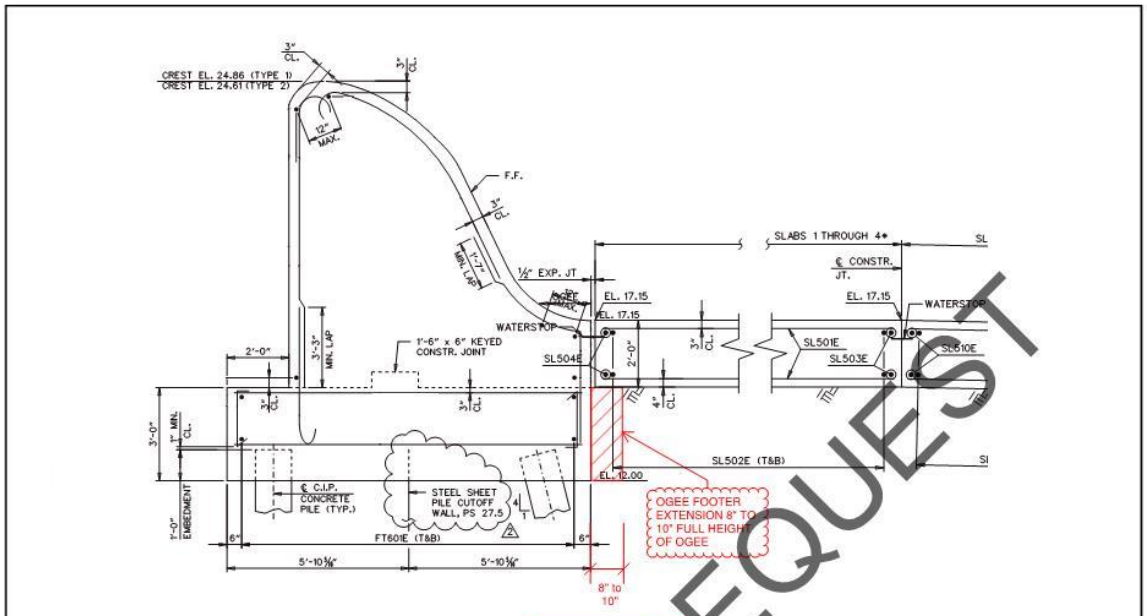


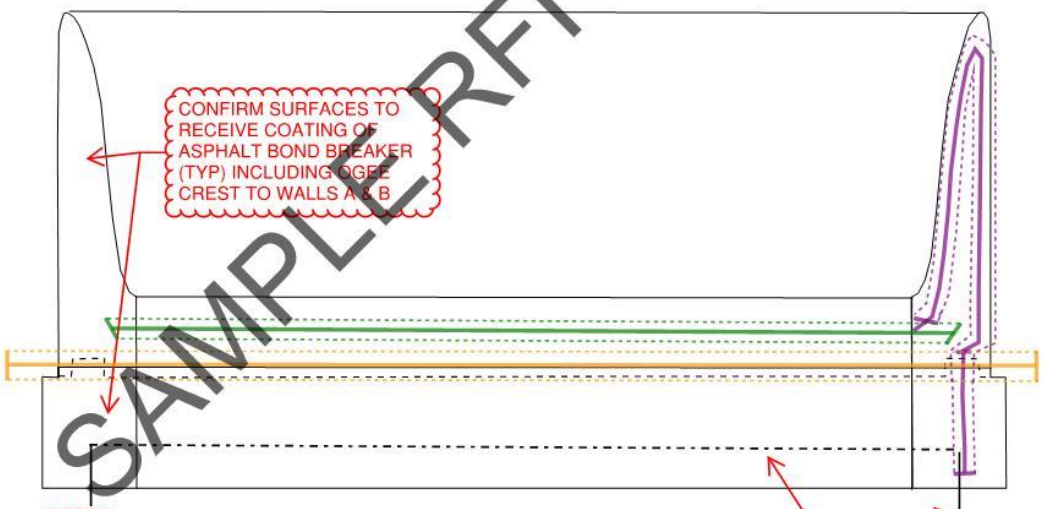
PLEASE CONFIRM WHAT TYPE OF DOWELING SHOULD BE INSTALLED

SLAB TO CULVERT EXPANSION JOINT

HEARNS POND DAM IMPROVEMENTS
CONTRACT NO. - T201207603.1
RFI No. 21 - JOINT CLARIFICATIONS
SHEET 1 of 3

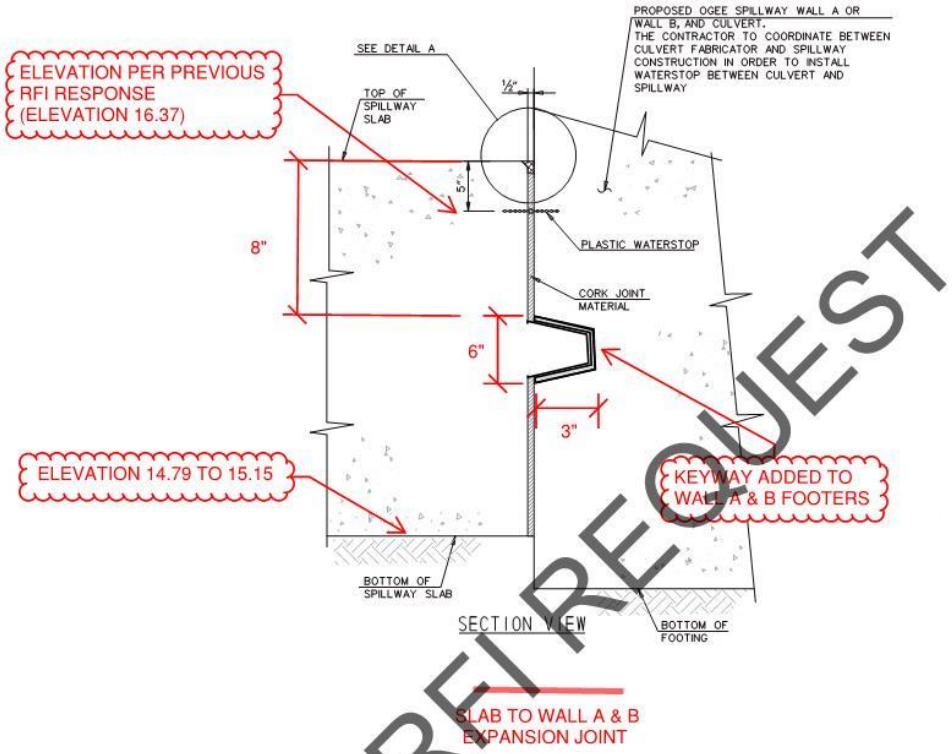
KC CONSTRUCTION CO.
1737 STOUT DRIVE
IVYLAND, PA 18974
PHONE: (215) 443-5553





HEARNS POND DAM IMPROVEMENTS
CONTRACT NO. - T201207603.1
RFI No. 21 - JOINT CLARIFICATIONS
SHEET 2 of 3

KC CONSTRUCTION CO.
1737 STOUT DRIVE
IVYLAND, PA 18974
PHONE: (215) 443-5553



HEARNS POND DAM IMPROVEMENTS
CONTRACT NO. - T201207603.1
RFI No. 21 - JOINT CLARIFICATIONS
SHEET 3 of 3

KC CONSTRUCTION CO.
1737 STOUT DRIVE
IVYLAND, PA 18974
PHONE: (215) 443-5553

KC Construction Company - 1737 Stout Drive, Ivyland, PA 18974 - (215) 443-5553 ph (215) 443-0354 fx

RFI LOG

Project: NJAW Raritan Millstone Long Term Flood Protection Project
Owner: New Jersey American Water Company
Engineer: AECOM
Contractor: KC Construction Company

RFI #	DESCRIPTION	DATE SUBMITTED	DATE RETURNED	NOTES
01	Vibration Monitoring	1/31/2017		
02	Utility Location	1/31/2017		
03	Utility Grouting Low Lift Pump Station	1/31/2017		
04	Project Sign Location	1/31/2017		
05	Profile View Clarification	1/31/2017		
06	Welded Wire Reinforcement			
07				
08				
09				

KC CONSTRUCTION COMPANY
1737 Stout Drive, Ivyland PA 18974
Ph: (215) 443-5553 Fax: (215) 443-0354

DAILY CONSTRUCTION REPORT

PROJECT:	Raritan Millstone LT Flood Control	**DAY:**	Thursday	**DATE:**	8/10/2017
PROJECT NO:	GC8286	**CONTRACT TIME:**	170	**of**	465/678
PROJECT LOCATION:	Bridgewater, NJ	**WEATHER CONDITIONS:**	Sunny		
REPORT BY:	Mieszko Strozek	**TEMP (°F):**	**AM-** 61	**PM-**	86

KC CONSTRUCTION PROGRESS

TASK NO.	TASK NARRATIVE	PERSONNEL COUNT	HOURS
400.1100	Combi-Wall Support	1	8
700.1100	Western Drying Bed fill	1	8
300.1035	Prep Floodwall and Bonding Cable Install, Northeast	3	8

Personnel	No.	Hr.
Office	2	
Surveyor	1	10
Operator	3	8
Foreman	1	8
Laborer	2	8
TOTAL		

SUBCONTRACTOR PROGRESS

SUBCONTRACTOR	PROGRESS	WORKFORCE
McCrossin	Combi-Wall: Grouted Pipe Piles P81, P82, P83.	9
Consolidated Fence	Continued work on final fence run connecting Northwest and Southwest runs.	2
R&W Concrete	Poured footings in the Southeast for Monolith's SE-4, SE-6, SE-8. Planned pour for Northeast Valve Vault was postponed to tomorrow.	6

GENERAL DISCUSSION, NOTES ON PROJECT, UPCOMING ISSUES, DELIVERIES, ETC.

-Continued filling Western Drying Bed from STA 705+00 to STA 703+00
-Continued installing bonding cables to sheets in the Northeast.
-Placed pumps for dewatering the Northeast Basin in preparation for fill

MATERIALS RECEIVED	SUPPLIER	TOTAL	COMMENTS
4" Minus Fill (Western Drying Bed)	Stavola Bound Brook Quarry	2103.99 Tons	82 Loads

ACCIDENTS / INJURIES & HAZARDOUS ACTIVITIES CONDUCTED

None

VISITORS TO SITE	COMPANY	PURPOSE
Jeff Bevacqua	French & Parello	Soil testing, Concrete Testing, Grout Testing

KC CONSTRUCTION COMPANY
1737 Stout Drive, Ivyland PA 18974
Ph: (215) 443-5553 Fax: (215) 443-0354

DAILY CONSTRUCTION REPORT

PROJECT: Raritan Millstone LT Flood Control **DATE:** 8/10/2017

Western Drying Bed (Showing STA 705+00 to STA 703+00)

KC CONSTRUCTION COMPANY
1737 Stout Drive, Ivyland PA 18974
Ph: (215) 443-5553 Fax: (215) 443-0354

DAILY CONSTRUCTION REPORT

PROJECT: Raritan Millstone LT Flood Control **DATE:** 8/10/2017

Western Drying Bed (Photo Taken from top of existing Levee near STA 703+00, looking North)

KC CONSTRUCTION COMPANY
1737 Stout Drive, Ivyland PA 18974
Ph: (215) 443-5553 Fax: (215) 443-0354

DAILY CONSTRUCTION REPORT

PROJECT: Raritan Millstone LT Flood Control **DATE:** 8/10/2017

Footing poured for Monolith SE-8

KC Construction Company - 1737 Stout Drive, Ivyland, PA 18974 - (215) 443-5553 ph (215) 443-0354 fx

CHANGE ORDER LOG

Project: NJAW Raritan Millstone Long Term Flood Protection Project
Owner: New Jersey American Water Company
Engineer: AECOM
Contractor: KC Construction Company

PCO #	ACTION	NJAW ISSUED CO #	DESCRIPTION	DATE SUBMITTED	DATE RETURNED	COST IMPACT	APPROVED CO COST	NOTES
COR 01.A	APPROVED	CO#1	Relocation of 2" Sanitary Forcemain to High Road	5/4/2017	5/4/2017	$ (11,767.00)	$ (11,767.00)	KCC revised trench to 200LF x 2' and corrected burden rate
COR 02.A1	APPROVED	CO#2	Jet Grouting 6" Gas Main Northeast Levee 2 - 6'	8/3/2017	11/15/2017	$ 33,153.67	$ 11,304.96	APPROVED
COR 03.A	APPROVED	CO#2	Jet Grouting 48" Water Main Northeast Levee 4-8'	8/3/2017	11/15/2017	$ 36,072.11	$ 36,072.11	APPROVED
COR 04	APPROVED	CO#1	High Road Aerial Communication Line Demo	4/24/2017	5/9/2017	$ 1,918.35	$ 1,918.35	
COR 05	APPROVED	CO#1	High Road Electrical Orientation Confirmation	4/24/2017	5/9/2017	$ 2,664.38	$ 2,664.38	
COR 06.B	APPROVED	CO#1	Cedar Hill Access Roadway Widening	5/16/2017	5/26/2017	$ 85,349.00	$ 85,349.00	
COR 07	APPROVED	CO#2	Additional Underground Electrical Duct Bank Trench	5/12/2017	11/15/2017	$ 3,392.83	$ 3,392.83	
COR 08.2	APPROVED	CO#2	Revisions to Jet Grouting Scope as per RFI No. 31 Response	9/6/2017	11/15/2017	$(104,737.48)	$(104,737.48)	
COR 09.A	APPROVED	CO#1	RFI 34 Sludge Line Removal	5/26/2017	5/26/2017	$ 4,267.78	$ 4,267.78	
COR 10.A	APPROVED	CO#2	U-Culvert Joint Revisions	6/23/2017	11/15/2017	$ (11,810.50)	$ (11,810.50)	
COR 11.1	PENDING		Toe Drain Revisions - REV 1	10/26/2017		$ 133,785.00	$ -	
COR 12.1	APPROVED	CO#2	Western Drying Bed	8/23/2017	11/15/2017	$ 119,467.25	$ 119,467.25	
COR 13.1	APPROVED	CO#2	High Road Electrical Pole B Modification	8/16/2017	11/15/2017	$ 98,328.62	$ 98,328.62	Approved orally by Manoj on 8/31
COR 14	APPROVED	CO#2	60" Flow Meter Temporary Electric Service	7/12/2017	11/15/2017	$ 13,398.34	$ 13,398.34	Approved orally by Manoj
COR 15.2	APPROVED	CO#2	Combi Wall Down Time - REV 2	10/30/2017	11/15/2017	$ 72,629.92	$ 72,629.92	
COR 16	APPROVED	CO#2	60" Sampling Line Fix - Northeast	7/20/2017	11/15/2017	$ 852.78	$ 852.78	
COR 17	APPROVED	CO#2	Flood Gates - Equipment Side Change	8/7/2017	11/15/2017	$ 8,625.00	$ 8,625.00	
COR 18	APPROVED	CO#2	Flood Gates - Protective Shields	8/7/2017	11/15/2017	$ 6,785.00	$ 6,785.00	9/18: Manoj is okay with KCC procurring them, per AECOM
~~COR 19~~	~~REJECTED~~		~~Flood Gates - Spare Air Bladder Tubes~~	~~8/7/2017~~		~~$ 37,368.90~~	$ -	No longer desired by NJAW
COR 20.1	APPROVED	CO#2	Admin. Building Storm Drainage	9/20/2017	11/15/2017	$ 17,028.00	$ 17,028.00	Approved orally by Manoj
COR 21.2	PENDING	CO#2	Northwest Embankment Unsuitable Materials - REV 2	10/30/2017	11/15/2017	$ 130,594.75	$ 130,594.75	
COR 22	PENDING		North Wall Electrical Relocation	9/29/2017		$ 260,432.00	$ -	
COR 23	PENDING		Combi-Wall Clean Up	10/25/2017		$ 75,567.54	$ -	
~~COR 24~~	~~PENDING~~		~~Southwest Sampling Vault~~	~~11/7/2017~~		~~$ 61,393.00~~	$ -	
COR 24.A	PENDING		Southwest Sampling Vault	2/21/2018		$ 72,709.35	$ -	
COR 25	PENDING		Presray Flood Gates Inspection	11/7/2017		$ 8,428.75	$ -	
COR 26	PENDING		RFI 60 Gate 5 Utility Lowering	11/7/2017		$ 55,287.00	$ -	
COR 27	PENDING		North Gate PSE&G Gas Line Encasing	11/10/2017		$ 88,235.00	$ -	
COR 28	PENDING		Northeast Drain Line Extension	1/30/2018		$ 67,533.00	$ -	
COR 29	PENDING		Basin 3 & 4 Electrical Reconnection	2/21/2018		$ 36,080.00	$ -	
							$ 484,364.09	

Marquette Lake Dam - Rehabilitation

Project No. DGS C-0960-0086 Phase 1

SECTION 3.
Staffing Plan

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 3. Staffing Plan

T-3A Staffing Resources

MARQUETTE LAKE DAM REHABILITATION
PROJECT NO. DGS C-0960-0086 PHASE 1

TECHNICAL SUBMITTAL

T-3A Staffing Resources

We anticipate requiring a combination of heavy equipment operators, skilled and unskilled laborers, carpenters and articulated off road truck drivers for much of the project. The scope of services includes but is not limited to selective demolition, excavation, drainage pipe installation, embankment fill, and site restoration. As mentioned in our work plan, we will have multiple crews on-site working on several different work areas concurrently seeing as many as 10-15 workers at a given time. We currently have a pool of skilled employees well in excess to meet project requirements.

KC Construction Co. is signatory to local trade unions, such as the International Union of Operating Engineers Local 542 and the Laborers International Union of North America Local 158. Should the need arise, we will request skilled operators and laborers from these unions to fill needed positions.

It is the policy of KC Construction Company to take affirmative action to assure equal employment opportunity to all qualified persons, without regard to race, color, religion, sex, national origin, age, disability, or veteran status. This includes, but is not limited to the following: hiring, placement, upgrading, transfer, demotion or promotion recruitment, advertising or solicitation for employment treatment during employment rates of pay or other forms of compensation selection for training layoff or termination

It is the policy of KC Construction Company to achieve and maintain full compliance with all applicable statutes, regulations and executive orders on equal employment opportunity and affirmative action.
The Equal Employment Opportunity Officer for KC is Doreen Fortnum. 215-443-5553.

KC Construction Company is committed to nondiscrimination in employment. Any person who applies for a job with this company will not be discriminated against because of race, color, religion, sex, age, national origin, disability or veteran status. All qualified applicants are welcome to apply for jobs with this company. In particular, present minority and female employees are encouraged to refer qualified minorities and females to the company.

All Subcontractors shall submit verification that they can properly man the work with skilled labor prior to the start of their work.

Performance Staffing Resources

As addressed in Sections T-1A and T-2A, we have assigned a veteran team of construction professionals. This team will have the support they need to meet your project schedule while meeting your expectations.

Performance is also a signatory with the carpenters, laborers and operating engineer's unions in Pennsylvania. We have a core group of personnel that we can choose from and will supplement with workers from the local unions. We can also bring in workers from locals outside of the immediate area surrounding the project if need be. The carpenter's union has an exceptional training program for carpentry skills as well as certifications for the safe operation of various equipment that will be utilized throughout projects in our industry. This ensures that workers recruited from them will be well qualified.

With the ability to tap into these many resources, our team remains poised to lead this construction project to a successful completion. We will provide full-time, onsite supervision, as well as any necessary office support, throughout construction. We have the resources, know-how, and the veteran team to meet the priorities, overcome the construction challenges, and bring the Dam Improvements at the Lower Woods Pond project that you envision. Our team has a plan and is ready to work for you.

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 3. Staffing Plan

T-3B Skill Training

MARQUETTE LAKE DAM REHABILITATION
PROJECT NO. DGS C-0960-0086 PHASE 1

TECHNICAL SUBMITTAL

T-3B Skill Training

KC Construction participates federally registered Apprenticeship Program through local unions we are signatory to. However, we also have our own in-house training program. All newly hired skilled personnel (operators / truck drivers / laborers) participate in an in-house on the job site training assessment to determine their eligibility to perform the tasks assigned to them. Some key elements of training are: training on operating and maintenance by manufacturer's reps, off road truck driving skills, large diameter riprap placement, embankment toe drain excavation of drainage material placement, blanket drainage material placement, and operating excavators on side slopes. Determining that our personnel have these, and other key proficiencies is critical in providing an exceptional project on time and budget to the owner.

KC Construction is also a signatory with the operating engineer's unions in Pennsylvania and New Jersey. The union members are trained in real-world facilities on the latest models of equipment, including those with the newest technology and GPS systems. They offer comprehensive programs so apprentices, mechanics, field engineers, journeymen and women and members can perfect their skills, cross train to learn new ones, and stay ahead of changes in equipment and technology.

Full-time instructors provide everything from heavy equipment operator training, training in emergency response, hazardous waste operations and OSHA requirements to keep contractors supplied year-round with safe, skilled, and efficient operators. Numerous pieces of equipment, simulators and instrumentation are available for training. Equipment includes a variety of cranes, new millers and pavers, backhoes, dozers, side booms, pile drivers and more.

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 3. Staffing Plan

T-3C Workforce Safety

MARQUETTE LAKE DAM REHABILITATION
PROJECT NO. DGS C-0960-0086 PHASE 1

TECHNICAL SUBMITTAL

T-3C Workforce Safety

All employees are ultimately responsible for their own safety and share the responsibility for the safety of their co-workers, our client's employees, and their property and equipment. All employees must comply with: KC Construction Company Health and Safety Program; all Federal and State requirements; craft specific safety practices; established Safety, Health and Environmental Policies and Procedures of our clients; and posted safety instructions such as posted signs, barricades, barriers, and permit instructions.

All new employees are given physicals and are drug tested in accordance with our Drug and Alcohol Abuse Policy/Program. Furthermore, all employees are subject to mandatory post-accident drug and alcohol screening.

All Supervisors are required to have OSHA 30 training and CPR/First Aid Training. Other OSHA training such as OSHA-10, Fall Protection, Forklift, Signal Person, Confined Space, Competent Person, etc… are given to all employees as required. All training is performed by Med-Tex Services, Philadelphia, PA.

A copy of our Company Health and Safety Policy and Procedures Manual will be kept on-site at all times. Prior to a project beginning, a site and work hazard assessment will be performed by the Project Manager and a Site-Specific Health and Safety Plan will be produced. All Subcontractors will be required to submit their own Site-Specific Health and Safety Plan. Our outside Safety Consultant will review and approve these plans for OSHA and Company compliance and determine if additional training will be required. During the project, weekly safety toolbox talks will be given by our project superintendent. Topics shall include potential hazards for the work being performed that week. Weekly site safety audits are to be performed by the site Superintendent with monthly audits to be performed by the company Operations Manager or Vice President. An outside safety professional will be brought in to perform a quarterly audit.

Marquette Lake Dam - Rehabilitation

Project No. DGS C-0960-0086 Phase 1

PART 4.

Supporting Documentation

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 4. Supporting Documents

T-4A Proposal Signature Page (COPY)

APPENDIX A

PROPOSAL SIGNATURE PAGE

APPENDIX A
PROPOSAL SIGNATURE PAGE

Proposer's Representations and Authorizations. Proposer by signing this Proposal Signature page and submitting its proposal understands, represents, acknowledges and certifies that:

a. All information provided by, and representations made by, the Proposer in the proposal are material and important and will be relied upon by the Proposal Evaluation Committee in reviewing the Proposal and by DGS in awarding the contract. Any misrepresentation of a material fact or omission of material fact by the entity submitting the proposal shall be treated as fraudulent concealment from the Commonwealth of the true facts relating to the submission of the proposal. If the misrepresentation and/or omission of material fact is discovered during the review of the proposal, the proposal will be automatically disqualified. Discovery of the misrepresentation and/or omission of material fact after contract award constitutes grounds for defaulting the contractor and may lead to debarment procedures being instituted against the contractor. A misrepresentation shall be punishable under 18 Pa. C.S. § 4904.

b. Proposer acknowledges that they have received, read and understood all Addenda issued for the Project.

c. The price and amount of this proposal have been arrived at independently and without consultation, communication or agreement with any other Proposer or potential Proposer.

d. Neither the price nor the amount of the proposal, and neither the approximate price nor the approximate amount of this proposal, have been disclosed to any other firm or person who is a Proposer or potential Proposer, and they will not be disclosed on or before the proposal submission deadline specified in the Notice to Proposers and the Calendar of Events.

e. No attempt has been made or will be made to induce any firm or person to refrain from submitting a proposal on this contract, or to submit a proposal higher than this proposal, or to submit any intentionally high or noncompetitive proposal or other form of complementary proposal.

f. The proposal is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive proposal.

g. To the best knowledge of the person signing the proposal for the Proposer, the Proposer, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any local, state or federal governmental agency and have not in

the last four (4) years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding or proposing on any public contract, except as disclosed by the Proposer in its proposal.

h. To the best of knowledge of the person signing the proposal for the Proposer and except as otherwise disclosed by the Proposer in its proposal, the Proposer has no outstanding, delinquent obligations to Commonwealth including, but not limited to, any state tax liability not being contested on appeal or other obligation of the Proposer that is owed to Commonwealth.

i. The Proposer is not currently under suspension or debarment by Commonwealth, or any other local, state, or the federal government. If the Proposer cannot so certify, then it shall submit along with its proposal a written explanation of why it cannot make such certification.

j. The Proposer has not, under separate contract with the DGS made any recommendations to DGS concerning the need for the services described in the proposal or the specifications for the services described in the proposal.

k. Each Proposer, by submitting its proposal, authorizes all Commonwealth agencies to release to Commonwealth information related to liabilities to Commonwealth of Pennsylvania including, but not limited to, taxes, unemployment compensation, workers' compensation liabilities and Prevailing Wage Act.

l. Until the selected Proposer receives a fully executed and approved written contract from the DGS, there is no legal and valid contract in law or in equity, and the Proposer should not begin to perform work. If a Letter of Intent has been issued, the Proposer may proceed in accordance with the terms of the Letter.

m. Proposer is not currently engaged, and will not during the duration of the contract engage, in a boycott of a person or an entity based in or doing business with a jurisdiction which the Commonwealth is not prohibited by Congressional statute from engaging in trade or commerce; and is eligible to contract with the Commonwealth under Section 3604 of the Procurement Code.

n. Proposer agrees and certifies to abide by, but not be limited to, the Commonwealth of Pennsylvania Acts, Provisions, Clauses, and Statements stated in the Contract Documents.

I am authorized to sign this proposal on behalf of the Proposer and I agree and state that KC CONSTRUCTION (Name of Firm) understands and acknowledges that the above representations are material and important, and will be relied upon by the Proposal Evaluation Committee and the Department of General Services in awarding the contract(s) for which this proposal is submitted. I understand and my firm understands that any misstatement shall be treated as fraudulent concealment from the Department of General Services of the true facts relating to the submission of this proposal.

PROPOSER IS A CONTRACTOR/INDIVIDUAL:

Witness: By:

_____ _____
Contractor / Individual

PROPOSER IS A LIMITED LIABILITY COMPANY (LLC) OR PARTNERSHIP:

Witness: By:

_____ _____
General Partner / Authorized LLC Member

By:

_____ _____
Limited Partnership

PROPOSER IS A CORPORATION:

Attest: By:

_____ _____
Secretary/Treasurer President/Vice-President
John V. Lima Gino Yannuzzelli

PROPOSER IS A JOINT VENTURE:

Attest: By:

_____ _____
Secretary President

Attest: By:

_____ _____
Secretary President

Marquette Lake Dam Rehabilitation

Project No. DGS C-0960-0086 Phase 1

TECHNICAL SUBMITTAL

Section 4. Supporting Documents

T-4B Non-Collusion Affidavit (COPY)

APPENDIX B

Non-Collusion Affidavit

Appendix B
NON-COLLUSION AFFIDAVIT

INSTRUCTIONS FOR NON-COLLUSION AFFIDAVIT

1. This Non-collusion Affidavit is material to any contract awarded pursuant to this proposal. According to §4507 of the Commonwealth Procurement Code, 62 Pa. C.S. §4507, governmental agencies may require Non-collusion Affidavits to be submitted with proposals.

2. This Non-collusion Affidavit must be executed by the member, officer, or employee of the Proposer who makes the final decision on prices and the amount quoted in the proposal.

3. Bid rigging and other efforts to restrain competition, and the making of false sworn statements in connection with the submission of proposals are unlawful and may be subject to criminal prosecution. The person who signs the affidavit should examine it carefully before signing and assure himself or herself that each statement is true and accurate, making diligent inquiry, as necessary, of all other persons employed by or associated with the Proposer with responsibilities for the preparation, approval or submission of the proposal.

4. In the case of a proposal submitted by a joint venture, each party to the venture must be identified in the proposal documents and an affidavit must be submitted separately on behalf of each party to the joint venture.

5. The term "complementary proposal" as used in the affidavit has the meaning commonly associated with that term in the proposal process, and includes the knowing submission of proposals higher than the proposal of another firm, any intentionally high or noncompetitive proposal, and any other form of proposal submitted for the purpose of giving a false appearance of competition.

6. Failure to submit a Non-collusion affidavit with the Proposal in compliance with these instructions may result in disqualification of the proposal.

NONCOLLUSION AFFIDAVIT

State of Pennsylvania :
County of Bucks : s.s.

DGS Project Number: C-0960-0086.1

I state that I am the Vice President (Title) of KC Construction Co. (Name of Firm) and that I am authorized to make this affidavit on behalf of my firm, and its owners, directors, and officers. I am the person responsible in my firm for the prices(s) and the amount of this proposal.

I state that:

1. The price(s) and amount of this proposal have been arrived at independently and without consultation, communication or agreement with any other contractor, proposer, or potential proposer.
2. Neither the price(s) nor the amount of this proposal, and neither the approximate price(s) nor approximate amount of this proposal, have been disclosed to any other firm or person who is a proposer or potential proposer, and they will not be disclosed before the proposal submission date.
3. No attempt has been made or will be made to induce any firm or person to refrain from proposing on this contract, or to submit a proposal higher than this proposal, or to submit any intentionally high or noncompetitive proposal or other form of complementary proposal.
4. The proposal of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive proposal.
5. KC Construction Co. (Name of Firm) its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last three years been convicted or found liable for any act prohibited by state or federal law in any jurisdiction, involving conspiracy or collusion with respect to proposing and/or bidding on any public contract, except as follows:

   N/A

I state that KC Construction Co. (Name of Firm) understands and acknowledges that the above representations are material and important, and will be relied upon by the Department of General Services in awarding the contract(s) for which this proposal is submitted. I understand and my firm understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from the Department of General Services of the true facts relating to the submission of this proposal.

(Signature)

Gino Yannuzzelli
(Signatory's Printed Name)

Vice President
(Signatory's Title)

SWORN TO AND SUBSCRIBED BEFORE ME THIS 2nd DAY OF October, 2024.

Notary Public

My Commission Expires 7-20-2026

Commonwealth of Pennsylvania - Notary Seal
Michele Parkinson, Notary Public
Bucks County
My commission expires July 20, 2026
Commission number 1271781
Member, Pennsylvania Association of Notaries