PROPOSAL FOR

LAKE ROCKPORT ESTATES

Master Plan Update

Jones & DeMille Engineering

Jones & DeMille
Engineering
www.jonesanddemille.com | 800.748.5275

Lake Rockport Estates
Attn: Jeremy Boeckmann
100 Rockport Boulevard
Coalville, UT 84017

July 29, 2024

Dear Jeremy and Selection Committee,

It is our understanding that Lake Rockport Estates (LRE) is seeking a qualified engineering firm to prepare a Culinary Water Master Plan and provide continued support in developing a source of water for the system. As a firm with more than 42 years of experience in serving rural communities, have enjoyed the chance to work LRE and greatly appreciate the opportunity provide a this proposal. We hope that it demonstrates our interest and capabilities in providing top notch engineering and planning services. With recent project experience and firsthand knowledge of the system, we believe that we are particularly qualified for this job. Some of the qualification highlights include:

- **Experience Counts.** With over 42 years of experience in working with public entities, we have developed a business model tailored to provide a successful experience for rural and local government clients. Our experience includes judgment that comes with team members' long-term tenure, the use of economic analyses, innovative best practices, contractor procurement, and financial planning expertise.
- **Full-Service Firm.** JDE provides funding procurement, general and strategic planning, code and ordinance support, infrastructure planning, GIS, civil design engineering, structural design engineering, rights-of-way, owner representative services, construction management, materials testing, survey, environmental, etc. Our breadth of services provides LRE with an engineering consultant who understands all facets and elements of projects like this and provides expertise in virtually every discipline pertaining to infrastructure planning and construction.
- **Familiarity with LRE and Systems.** JDE has had a long-standing relationship with LRE and has worked with them on multiple projects over the past several years. This relationship has ranged from a booster station, replacement of the aging water system, multiple wells, funding procurement, and more. We are familiar with LRE's preferences and standards and understands the infrastructure and systems due to work on prior projects. We have enjoyed the relationship with LRE and coordinating with leaders and board members to help shape the quality life of the residents they serve.

I will serve as the Principal in Charge, and Michael Hartvigsen will serve as Project Manager, bringing a strong team of professionals to work with LRE. I can always be reached by phone at 435.979.7630, or by email at darin@jonesanddemille.com. Michael can be reached by phone at 801.824.0053, or by email at michael.h@jonesanddemille.com. We look forward to hearing from LRE and welcome an opportunity to review our capabilities and services in greater detail. Please let us know if we can provide additional information.

Sincerely,

JONES & DeMILLE ENGINEERING, INC.

Darin H. Robinson

Darin Robinson, PE | Principal-in-Charge

1535 South 100 West
Richfield, UT 84701
435.896.8266

50 South Main, Suite 4
Manti, UT 84642
435.835.4540

38 West 100 North
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520 West Highway 40
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1664 South Dixie Drive
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696 North Main Street
PO Box 577
Monticello, UT 84535
435.587.9100

545 East Cheyenne Drive
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Evanston, WY 82930
307.288.2005

FULL-SERVICE FIRM

In addition to civil engineering and infrastructure design, we offer the following in-house specialty services:

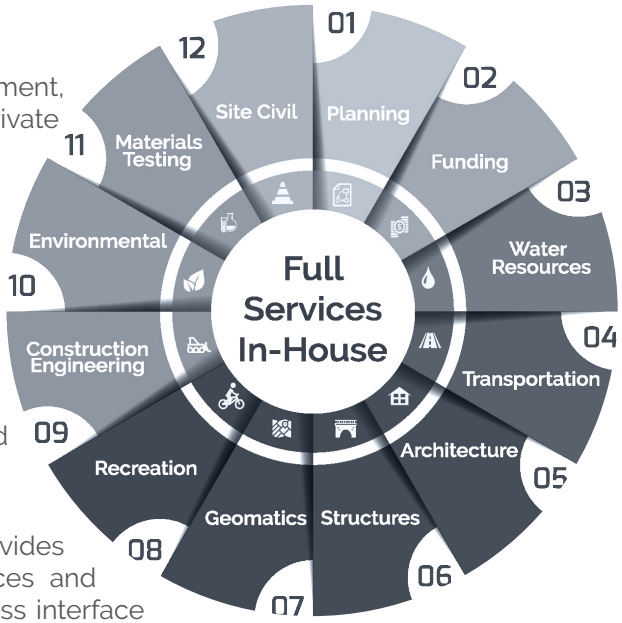
Planning
Planning provides accurate information to make informed decisions and recommendations for sustainable, responsible growth. We have experience completing numerous studies and reports with varying scopes, from large county-wide master plans to individual system studies.

Funding Procurement
During our 42-year history, JDE has procured over $1 billion in state and federal funding for our clients. We also tackle the paperwork involved in the administration of funding and grants. Our professional engineers have decades of experience working with various funding entities to allow projects to move forward with feasible funding packages.

Environmental
Experience with the U.S. Forest Services, Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, and private industry involving NEPA, land use planning, and permitting.

Geographic Information Systems
GIS provides a variety of benefits, from maintaining current inventory to recording existing infrastructure to public utilities systems, planning, asset management, and modeling.

Hydrology & Hydraulic Modeling
JDE has developed the ability to perform modeling using a variety of software, as well as automate modeling processes via ArcGIS, AutoCAD, and computer programing, allowing for data to be used beyond modeling purposes.



Survey
Using state-of-the-art equipment, Our Survey Department provides quality and timely services. We utilize sound surveying practices and provide extensive field and office experience, providing a seamless interface from field to finish.

Easement Acquisition and Right-of-Way
Our staff is expert at working with title companies, negotiating with property owners, preparing legal descriptions, and recordable easement and deed documentation.

Laboratory Testing
We offer four materials testing laboratories and one mobile testing laboratory that can be set up as needed on a project site to provide quality assurance for materials testing during construction.

Structural Engineering
An in-house structural engineering group with experience in vertical, transportation, and water-related structural design, as well as structural inspections and seismic evaluations.

Construction Management
Certified construction observers incorporate a wealth of experience to make designs constructible and reduce the risks associated with change orders.

Virtual Reality and Technology-Related Capabilities
JDE is at the forefront of innovative and advanced technological capabilities utilizing unmanned aerial vehicles (UAV) as well as the use of virtual reality and augmented reality.

Architecture
Our team has provided award-winning sustainable architectural services for over 33 years, including programming, 3D modeling, construction documentation, and construction administration.

PROPOSED SCOPE OF WORK

Based on the guidance provided by the RFP and our current understanding of the project, we have developed the following scope of work to address critical elements of this project:

1. Provide a Culinary Water Master Plan.
2. Evaluate the historical usage data provided by the SCADA system to check for potential changes in production, drought susceptibility, and other factors that could be affecting the production of the well.
3. Further analyze the following alternative approaches for securing a sustainable water source for the system. These include:
    a. A subsurface investigation (scanning) at Well #2 to further analyze the fractured rock along the thrust fault
    b. Evaluating the feasibility of acquiring an existing well
    c. Addressing the feasibility of a connection to Mountain Regional Water

PLANNED APPROACH & METHODOLOGY

Our proposed approach for this project will include two main focuses. The first component will be a Culinary Water Master Plan (Master Plan), and the second will be a continuation of the alternative source study we have developed with LRE thus far. Our goal is to provide LRE with all the necessary tools to provide a water system that will provide reliable drinking water to all its members.

The Master Plan will take an in-depth look at the existing culinary water system, how much water the community actually needs, and what improvements are necessary to for the optimal system configuration. We understand this report may be a critical component for negotiations with Mountain Regional Water Special Service District (MRWSSD) and will tailor the report to those particular concerns. We propose the following approach for the Master Plan:

- **System Analyzation.** In order to assess the current capabilities of the existing system, the system attributes, including source, storage, transmission, and distribution, will be analyzed. The Utah Division of Drinking Water (DDW) has specific standards with regard to pressure, sizing, and fire protection for culinary systems. These factors will all be incorporated into the analysis. This task will also include an evaluation of the historical usage data provided by the SCADA system in place of the pump capacity test identified in the scope of work in the RFP. The measured flow data will define actual trends, and consumption amounts essential for correctly projecting future demands. We will be able to utilize the previous Master Plan and our existing knowledge of the system to accurately and efficiently complete this task.
- **Hydraulic Modeling.** An accurate water model and actual water use data are key tools in accurately analyzing the current and future culinary water system. Our involvement in several other projects, including the Mid Mountain Booster Pump Station and preliminary waterline replacements, will allow us to quickly set up a model and get it calibrated. The model will identify system deficiencies of both current and this future scenario. The first step to creating an accurate model is gathering and validating data. The current model will be validated with current use data so it can be utilized for evaluating capital improvement projects.
- **System Investigation.** All aspects of the culinary system including source, storage, transmission, and distribution will be evaluated. Along with model outputs that show system pressure and flows under current and future scenarios, exhibits will be prepared and placed in the report to give a visual representation of the condition of system components. The results of the modeling will be presented to LRE and we will work closely with LRE personnel to develop recommended improvements and solutions that will improve the system while reducing the required maintenance for the limited operational resources.
- **System Improvements.** Once the system deficiencies have been identified, a list of projects to correct the deficiencies will be created. They will be prioritized by importance and list a time frame when each project should be completed. Based on the model scenarios for future buildout demands, a list of improvement projects to meet future development will also be compiled. They will be prioritized based on need, timing, and associated costs.

PLANNED APPROACH & METHODOLOGY

- **Cost Estimates.** One of the essential tools for moving forward with this project will be accurate cost estimates of improvements. With our knowledge and background of the current funding for the project, we will be able to assist in planning for costs and maximizing available funds. The cost estimates will be based upon our vast compilation of current bid costs for material and labor.
- **Project Funding.** As a company, JDE has developed a business model that best serves small, rural communities with limited resources. To successfully serve these communities, we have developed an adept expertise in funding procurement, securing more than $1B in funding over the 42 years we've been in business. We will continue to build on the already secured USDA Rural Development loan and provide guidance along the way to ensure LRE is not left in a financial situation that cannot be maintained. We will also conduct an impact fee analysis to determine the appropriate cost distribution to future development within LRE.

The second focus area will be on further developing a sustainable source for the system. These efforts will progress concurrently alongside the master plan study. Our previous efforts in developing a new source have included a thorough investigation of:

- Redeveloping and further improving Well #1
- Redeveloping and further improving Well #2
- Drilling a new well near Wells #1 and #2
- The well siting study that led to drilling Well #3
- Further developing Well #3 and extending it deeper
- Drilling additional wells
- Acquiring existing wells
- Treating water from the Lake Rockport reservoir
- Locating and developing a spring
- Establishing a connection to MRWSSD

Based on the extensive research we have conducted up to this point, we propose the following approach to further investigating alternative source options:

- **Historical Usage Evaluation.** Using the existing historical data from the SCADA system for Well #2, we will analyze the production of the well and look for changes in production, drought susceptibility, and other factors that could be affecting the production of the well. This will help us determine if there is any way to improve the production of that well and support the further subsurface investigation defined in the next task.
- **Subsurface Investigation.** To further investigate the Well #2 site, we teamed with Willowstick Technologies, a subsurface scanning firm, to map the thrust fault that runs through the site. The fissures and fragmentation along the fault will allow water to flow more freely and will provide the best chance of higher production rates. If a new well can be drilled within a 150-foot radius of the existing well, the water rights will not be subject to a change application with the State. For this reason, we will focus the mapping on the fault within 150 feet of Well #2.
- **Well Acquisition.** The research conducted on existing wells in the area identified a well located at the north end of the Promontory community located to the west of LRE which has potential for producing enough water to support the system. The well was drilled near the gate house on the north entry into Promontory to supply the gate house with water. The drawdown of the well during the pump testing was very low for the rate at which it was tested. This usually means the well is capable of being pumped at a much higher rate. We propose first coordinating with Promontory to discuss the feasibility of investigating the well as an alternative. Then conducting step and constant rate tests to determine the capacity of the well if we are allowed to. And finally developing a feasibility report that would address the cost of this option, the obstacles it would face, and a recommendation on whether to proceed.
- **Mountain Regional Water Connection.** To assist LRE in evaluating these other alternative source possibilities, we will provide a detailed summary of the benefits, challenges, and improvement costs that align with the others so a side-by-side comparison can easily be made.

SIMILAR EXPERIENCE

Lake Rockport Estates | Mid Mountain Booster Station

The Lake Rockport Estates project included the design and construction management of a booster pump station for culinary water use. The booster pump station was needed to lift water mid-way up the mountain, from a well up to a water storage tank. The existing booster pump station was decommissioned, and a new booster pump station consisting of an underground concrete vault and small water storage tank was installed. The project included coordination with pump suppliers to design a multi pump skid that was installed in the constructed pump station vault. The project included an electrical engineering design, with a pump system powered by a variable frequency drive (VFD) system. A small premanufactured water storage tank was designed to hold water intermittently, that is pumped from the well source at a lower elevation, before being pumped the rest of the way up the mountain to the water storage tank. A structural engineering design was completed for the concrete cast-in-place pump station vault. JDE also worked with the Division of Drinking Water to permit the project.

Greg Warner, Vice President | Lake Rockport Estates | 801.750.2745

Lake Rockport Estates | 2 PRV's Water System Planning and Improvements

Over several years prior to this project, JDE assisted the community in systematically replacing their aging and failing water system. The first project was to design and construct a new supply well. The second project consisted of acquiring funding through the Division of Drinking Water to replace the existing water tank with a new water tank sized for build-out. A new booster station and approximately one mile of water lines have also been replaced. Lastly, JDE partnered with the Rural Water Association of Utah (RWAU) to conduct a water rate analysis and acquired $5-$6 million in funding through USDA Rural Development to replace the rest of the water system along with designing and constructing a new well as a second water source.

Alan Lindsley, Board Member | Lake Rockport Estates | 801.560.7021

Lake Rockport Estates | Well #3

JDE was selected to provide engineering and construction management services for a new well. Services include hydrogeologic evaluation and well siting study, completing a preliminary evaluation report, specifying and overseeing well drilling for a final drinking water well, procuring federal funding, hydraulic modeling, design, and construction management for a new well pump building, and DDW permitting and approvals.

Alan Lindsley, Board Member | Lake Rockport Estates | 801.560.7021

Stockton Town | Culinary Water Master Plan

JDE worked with Town personnel to develop the Town's Culinary Master Plan by conducting a thorough evaluation of the Town's current water system components, such as storage, system piping, water rights, and sources. A working model of the system was created and calibrated to identify deficiencies to establish priorities, addressing issues such as water quality, reliability, and conservation. Recommendations were given for maintaining and expanding water infrastructure to meet the Town's growing needs while ensuring compliance with regulatory standards. Additionally, planning incorporated measures to enhance water efficiency and resilience, such as developing redundancy for droughts, growth, or emergencies.

Nando Meli, Mayor | Stockton Town | 435.882.3877

SIMILAR EXPERIENCE

Elk Ridge City | Culinary Water Master Plan

Project included analyzing the existing culinary water system water rights, source, storage, and distribution system capacities. A higly complex hydraulic model with eight pressure zones was prepared to look at growth across the city, as well as in key development areas, to identify improvements needed to service those areas. Additional to the master plan study, an updated System Sizing Memo was also submitted to the Division of Drinking Water to update the minimum source and storage capacity under the new requirements.

Royce Swensen, City Recorder | Elk Ridge City | 801.423.1555

Hinckley Town | Water Master Plan

JDE conducted a thorough planning and analysis project for Hinckley Town's culinary water system. The project scope included GIS for the culinary system, a detailed water model, and an in-depth analysis of water rights, sources, distribution, and storage. The project included preparing a summary of system deficiencies and recommending improvements for a 20-year projection. Additionally, we performed an Impact Fee Assessment for the water system and assisted the Town in preparing adoption documents. As part of the deliverables, we prepared a Capital Facilities Report, encompassing demographic information, anticipated future growth, existing infrastructure, identified deficiencies, recommended improvements, and cost estimates for some recommendations, and provided the report to the Town.

Tresa Martin Taylor, Town Clerk | Hinckley Town | 435.864.3522

Oak City | Culinary Water Master Plan

Work on this project included analyzing the existing culinary water system water rights, source, storage, and distribution system capacities. A hydraulic model was prepared to look at growth across the city as well as in key development areas to identify needed improvements to service those areas. An interactive GIS webmap was prepared to aid the City with future maintenance of the system and to be used as a guide showing details about the culinary water system. Additional to the master plan study, an Aquifer Storage Recharge application was prepared and submitted to the Division of Drinking Water to permit excess water from the spring sources to be diverted down the culinary water well to help recharge the aquifer.

Shim Callister, Mayor | Oak City | 435.406.6208

BUDGET OUTLINE

The following is a summary of our proposed budget for accomplishing the scope of work for this project. These fees will allow us to get LRE the information necessary to make an informed decision on how best to proceed with the future phases of the project.

1. Develop a Culinary Water Master Plan - $53,300
    a. Impact Fee Analysis $9,200 (Subtotal)
2. Evaluate the Historical Usage Data - $2,100
3. Further Develop the Water Supply - $32,600
    a. Subsurface Investigation at Well #2 - $9,700+ (Subtotal)
        i. Willowstick Scanning - $4,600
    b. Well Acquisition - $10,800 (Subtotal)
    c. Mountain Regional Water Connection - $7,500 (Subtotal)

The total proposed project cost is $88,000.

We are open to discussing the items listed above and exploring a phased approach or selecting specific components based on project feasibility and requirements. We welcome the opportunity to align the necessary services with your needs.

SUBCONTRACTORS

To help ensure we provide the best possible outcome for this project, we have assembled an experienced team of specialists to assist in the project. We understand the importance of clear communication and concise correspondence between various team members and will work closely to ensure critical information is relayed. We will also include the subcontractors in our review and presentation meetings.

- **EFG Consulting.** Part of the Master Plan will include an Impact Fee Analysis. Over the years, we have utilized EFG Consulting on many of our master plan projects to carry out the impact fee analysis. Their final report will be included with the final Master Plan document.
- **Loughlin Water Associates.** Bill Loughlin and his team have played a critical role in conducting the hydrogeological aspects of the project that have gotten us to this point. We will continue to rely on their expansive knowledge of the area and this project as we seek to develop a sustainable source of water.
- **Willowstick Technologies.** We have partnered with Willowstick Technologies to conduct the subsurface scanning portion of the proposed work.

DELIVERABLES

Provided below is a list of the anticipated project deliverables based on the established scope of work:

- Culinary Water Master Plan Report
- Alternative Source Findings Memo

PLANNED TRAVEL, SITE VISITS, ETC.

To best understand the existing conditions surrounding a project, we believe it is important to be onsite and available in person. We seek to balance the cost of these in-person, onsite meetings with the benefit to the project. With advancements in technology, meeting virtually has become a great tool for developing personal relationships while eliminating costly travel. To accommodate both sides of this issue, we feel the following site visits are critical to developing the best outcome for this project:

- **Master Plan Presentation to LRE.** An in-person presentation will allow us to connect with individuals, help understand how things are being received, and demonstrate our care and commitment to this project.
- **Subsurface Scanning.** Having someone available during the scanning process will allow us to make adjustments on the fly and understand any challenges that come up.
- **Promontory Gatehouse Well Pump Testing.** Being present for the pump test will again allow us to make adjustments on the fly and assist in carrying out the tests.

PROJECT SCHEDULE

A detailed schedule of the proposed tasks and their anticipated completion timeline is included in the Appendix at the end of this proposal.

TEAM ORGANIZATION & KEY STAFF RESUMES

We recognize the most important element for any successful project is the people selected to do the work. Our team is best positioned to maximize efficiency and to be immediately responsive. JDE provides a technically sound, productive and professional project team which has successfully completed multiple planning, culinary water, and water resource infrastructure projects. Our employee turnover rate is extremely low, allowing us to maintain a high level of experience, judgment and develop enduring relationships with our clients.

We have assembled a strong and experienced team to assist LRE with this important project. Our Springville office will provide the primary resources assigned to complete LRE's Culinary Water Master Plan. However, resources from our entire company may be allocated to provide the best and most efficient outcome.

LAKE ROCKPORT ESTATES

Darin Robinson, PE
Principal-in-Charge

Matt laurendeau, PE
Office Manager

Michael Hartvigsen, PE
Project Manager

engineering

Shelby Koldewyn, EIT
Modeling Specialist

Ryan Selee, PE
Project Engineer

James Saunders, PE
Quality Control Specialist

suncontractors

EFG Consulting
Impact Fee Analysis

Loughlin Water Associates
Hydrogeology

Willowstick Technologies
Subsurface Scanning

TEAM ORGANIZATION & KEY STAFF RESUMES

Darin Robinson, PE | Principal-in-Charge
UT 368665 | BS—Civil Engineering

Darin has over 25 years of experience in project planning, design engineering, and project management, specializing in municipal infrastructure planning and design, hydrology, hydraulics, water and wastewater systems, roadway design, and other infrastructure projects. The majority of the projects Darin has completed or managed have required accurate concepting and feasibility planning before advancing. Experience and judgment have been gained from a wide range of projects, from straightforward to more complex, over the years. In addition to technical engineering expertise, he has experience and an in-depth understanding of funding acquisition, agency networking, environmental permitting, state water rights law, regulatory agency guidelines and oversight, and various agency plan approval processes.

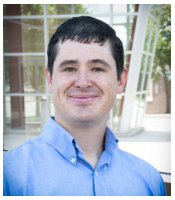
Darin works well with project team members drawing from his depth of related experience in infrastructure analysis and design to provide oversight and add value. This project will be in good hands under his direction and leadership as he works to ensure commitments are kept, schedules are followed, and unforeseen issues are dealt with immediately. Darin will directly oversee the management and technical components of the project and provide final reviews as needed.

Matt Laurendeau, PE | Office Manager
UT 8826183 | MS—Civil Engineering

Matt has a master's degree in civil engineering. He is our Springville Office Manager and has over 14 years of experience managing and designing civil engineering projects. Matt has worked with Lake Rockport Estates on the last couple capital facilty improvement projects and managed the most recent waterline replacement project and is familiar with LRE's system. Matt has been involved in the management and/or design of industrial and municipal processes, water storage tanks, building structures, bridges, and many non-building structures throughout his career. Some of the more recent projects Matt has been involved with include municipal and industrial projects such as master planning, well design, tank designs, building and non-building structures, wastewater treatment equipment, water, sewer, and storm drain piping systems, and many others ranging in project value from $100,000 to $23,000,000.

Matt is licensed in the states of Utah, California, and Texas and has expertise and knowledge of the major design codes and standards, as well as being familiar with international codes and seismic design. As a project manager, Matt is thorough and works with other engineers, designers, contractors, and owners to provide the most economical designs while keeping in mind the functionality and quality of the design in an effort to reduce warranty and avoid rework costs.

TEAM ORGANIZATION & KEY STAFF RESUMES



Michael Hartvigsen, PE | Project Manager
UT 10269777 | MS—Civil & Environmental Engineering

Michael has over 11 years of experience managing and designing civil engineering projects, including water, sewer, storm drain piping systems, municipal and industrial storage tanks, well pump houses, booster pump stations, sewer lift stations, and open reservoirs. In the area of culinary water design, he has been involved in the design of 15 pipeline projects, nine pump stations, five wells, and three storage tanks. He has also completed 6 master planning studies and several hydraulic modeling projects. Prior to transitioning into the role of project manager, Michael also managed the construction of many of the projects he designed. He also managed a wide range of projects designed by others ranging from office buildings to spring intake structures.

As a project manager, Michael is very familiar with every aspect of a project, start to finish, and thoroughly understands the importance of communication along the way. As a young engineer, Michael worked closely with municipalities like Magna Water District, Erda Acres Water Company, and Draper Irrigation Company, reviewing new development plans and, in the process, gaining extensive knowledge of the municipal framework. Michael utilizes this knowledge to ensure projects run smoothly and efficiently by addressing potential issues ahead of a formal review and reducing the time spent in the review process. Michael strives to be responsive to the client's needs and to always provide a good quality product.

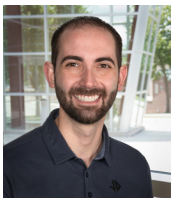
Shelby Koldewyn, EIT | Modeling Specialist
MS—Civil Engineering

Shelby is a graduate engineer with three years of experience designing a variety of civil engineering projects including roads, water and sewer piping systems, dam spillways, municipal tanks, and booster pump stations. She specializes in water resource projects and advanced modeling techniques. While working with our office she has been involved with the design of the Springville 650 North Sewer Project, The GHID Sewerline Replacement project, the Worthington Sidewalk project, the West Bank Study, and Westbank ERU calculations. Shelby's modeling efforts in the latter two projects empowered Grantsville City with critical insights essential for informed decision-making regarding future growth.

Ryan Selee, PE | Project Engineer
UT 13151201 | BS—Civil & Environmental Engineering

Ryan is a project engineer with five years of civil engineering experience. He has experience designing sites and utilities for multiple applications. He has worked on a variety of projects, including culinary water pipelines, culinary water master planning, wastewater master planning, MS4 program updates, stormwater infrastructure, wells, pump stations, and wastewater pipelines. Prior to joining the JDE team, Ryan was an engineer for the Salem City Engineering Department where he gained valuable experience in municipal engineering, construction administration, MS4 programs, and master planning.

TEAM ORGANIZATION & KEY STAFF RESUMES



James Saunders, PE | Quality Control Specialist
UT 11768545 | MSE—Civil Engineering, emphasis in hydraulics and fluid mechanics

James is our Water Resources Practice Group Leader, charged with keeping JDE on the cutting edge of analysis and design tools and processes James has seven years of experience in designing, creating, facilitating, and procuring funding for water resource projects. He is known for working closely with cities and towns to study and plan culinary water and wastewater infrastructure. James' experience includes the design of hydraulic structures, wastewater collection systems, culinary water treatment and distribution systems, culinary well and springs development, pump design, and storm water drainages. He has written and overseen several culinary water and sewer master plans in the last few years.

James has hydraulically designed several water tanks ranging from 200,000 to 2,000,000 gallons. He also designed earthquake resistant piping for the 2 MG Lower Spring Creek Tank for Springville using flexible expanding joints. His most recent work is with Leamington Town and Oak City as a water resource expert to analyze the capacity of the culinary water system and to develop plans for future development areas. These plan also helped the Cities to start preparing for an aquifer storage and recovery project to provide reliable high-quality drinking water through the summer months when springs flows are lower. James is currently working with several cities and public water systems designing water storage tanks and developing new wells. His project experience has developed his skills in working with the public as well as coordination with government agencies such as the Utah Division of Water Quality (DWQ), Division of Drinking Water (DDW) and U.S. Department of Agriculture Rural Development.

APPENDIX

PROPOSAL FOR

LAKE ROCKPORT ESTATES

Master Plan Update

Jones & DeMille Engineering

PROPOSED SCHEDULE

JDE's reputation for completing projects on time comes from our attention to project planning and hitting milestones. Our team is comprised of many experienced, dedicated project managers, and the depth of our resources allows us to provide appropriate personnel when schedules change unexpectedly or are accelerated. Completing projects on time directly correlates to detailed project planning and successful execution of planned tasks. In addition to compliance with project schedules, the size and availability of our staff resources allows our team to respond quickly to client needs. This is best represented through our continued successful involvement in various projects across the region.

WBS Code	Description	Start Date	Work Days	Finish Date
10	Project Management	08/12/24	95	12/20/24
10	Contract Administration	08/12/24	5	08/16/24
10	Internal Resource Coordination	08/19/24	90	12/20/24
10	Progress Coordination with Client	08/19/24	90	12/20/24
10	Project Closeout	12/16/24	5	12/20/24
30	Master Plan Study	08/19/24	90	12/20/24
30	Hydraulic Modeling	08/19/24	20	09/13/24
30	Community Demographics and Population Projectio	08/19/24	10	08/30/24
30	Water Rights Analysis	08/26/24	5	08/30/24
30	Capacity Analysis and Level of Service	08/26/24	10	09/06/24
30	Water Source and Storage Analysis	09/02/24	10	09/13/24
30	Distribution System & Hydraulics Analysis	09/09/24	10	09/20/24
30	Existing and Future Demand Analysis	09/09/24	5	09/13/24
30	Water Rate Analysis	09/23/24	30	11/01/24
30	Recommended Improvements Summary and Costs	09/23/24	10	10/04/24
30	Capital Facilities Draft Report	09/30/24	20	10/25/24
30	GIS Exhibits	09/30/24	20	10/25/24
30	Impact Fee Analysis	09/30/24	60	12/20/24
30	60% Review Meeting with Client (Virtual)	10/28/24	5	11/01/24
30	Final Draft	11/04/24	10	11/15/24
30	Report Presentation to Client (In Person)	12/16/24	5	12/20/24
31	Alternative Source Study	08/19/24	80	12/06/24
31	Coordination with Mountain Region Water	08/19/24	60	11/08/24
31	Historical Usage Evaluation	08/19/24	20	09/13/24
31	Promontory Gatehouse Well Pump Testing	09/02/24	30	10/11/24
31	Subsurface Water Mapping	09/02/24	20	09/27/24
31	Site Visit (Mapping)	09/09/24	5	09/13/24
31	Well #2 Cost Estimate	09/30/24	10	10/11/24
31	Site Visit (Pump Test)	09/30/24	5	10/04/24
31	Promontory Gatehouse Well Cost Estimate	10/07/24	10	10/18/24
31	Mountain Regional Water Connection Cost Estimate	10/28/24	10	11/08/24
31	Additional Funding Research and Recommendation	11/11/24	10	11/22/24
31	Findings Review Meeting	11/18/24	5	11/22/24
31	Findings Memo	11/25/24	10	12/06/24