NIBLEY CITY COUNCIL MEETING AGENDA
Thursday, April 11, 2024 – 6:30 p.m.

In accordance with Utah Code Annotated 52-4-207 and Nibley City Resolution 12-04, this meeting may be conducted electronically. The anchor location for the meeting will be Nibley City Hall, 455 West 3200 South, Nibley, Utah. The public may also participate in the meeting via the Zoom meeting link provided at www.nibleycity.com. Public comment should be submitted to cheryl@nibleycity.com by 6:30 p.m. and will be read into the public record.

1. Opening Ceremonies (Councilmember Larsen)
2. Call to Order and Roll Call (Chair)
3. Approval of the March 14, 2024, Meeting Minutes and the Current Agenda (Chair)
4. Public Comment Period[1] (Chair)
5. Planning Commission Report

6. **Presentation:** "Outstanding Event" award presented to Nibley City Recreation Department by Utah Recreation & Parks Association
7. **Discussion & Consideration:** 2024 Nibley City Arbor Day Proclamation
8. **Discussion & Consideration:** Resolution 24-08—Amending the Nibley City Consolidated Fee Schedule (Green Waste, Community Room Reservation Fees, Sewer/Water Modeling Fees, Miscellaneous Land Use Fees, Water/Sewer Penalties, and Miscellaneous Recreation Fees) (First Reading)
9. **Public Hearing:** Resolution 24-05—Accepting an Update of the Nibley City Wastewater Management Plan for Nibley City (First Reading)
10. **Discussion & Consideration:** Resolution 24-05—Accepting an Update of the Nibley City Wastewater Management Plan for Nibley City (First Reading)
11. **Discussion and Consideration:** Resolution 24-09—Accepting the 2023 Municipal Wastewater Planning Program Survey
12. **Public Hearing:** Ordinance 24-05—Amending 11.02.040 Parking Regulations--Including Adjustments to Limited Winter Parking and Parking-At-Curb Regulations
13. **Discussion & Consideration**: Ordinance 24-05—Amending 11.02.040 Parking Regulations—Including Adjustments to Limited Winter Parking and Parking-At-Curb Regulations (First Reading)
14. **Discussion & Consideration:** Approving a Contract for Design Services of a New Water Well and Tank with Sunrise Engineering
15. **Discussion & Consideration:** Approving an Agreement for Construction of 1000 West Half-Road with Heritage Landholdings LLC (Sierra Homes)

16. Council and Staff Report

Adjourn

Nibley City's next scheduled Council meeting will be on Thursday, May 2, 2024.

[1] *Public input is welcomed at all City Council Meetings. 15 minutes have been allotted to receive verbal public comment. Verbal comments shall be limited to 3 minutes per person. A sign-up sheet is available at the entrance to the Council Chambers starting 15 minutes prior to each council meeting and at the rostrum for the duration of the public comment period. Commenters shall identify themselves by name and address on the comment form and verbally for inclusion in the record. Comment will be taken in the order shown on the sign-up sheet. Written comment will also be accepted and entered into the record for the meeting if received prior to the conclusion of the meeting. Comments determined by the presiding officer to be in violation of Council meeting rules shall be ruled out of order.*

In compliance with the Americans With Disabilities Act, reasonable accommodations for individuals with disabilities will be provided upon request. For assistance, please call (435) 752-0431

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April 1, 2024

Nibley City Council Public Hearing Notice

The Nibley City Council will hold a public hearing to receive comment on the following Ordinances:

Resolution 24-05--Accepting an Update of the Nibley City Wastewater Management Plan

Ordinance 24-05--Amending 11.02.040 Parking Regulations—Including Adjustments to Limited Winter Parking and Parking-At-Curb Regulations

~~**Ordinance 24-06**--Amending NC 110.01.040 Meeting Procedure and Conduct~~

When: April 11, 2024, at 6:30 p.m.

Where: Nibley City Hall, 455 W 3200 S Nibley Utah

A full report will be posted on the City's website by April 9, 2024, as part of the City Council's agenda and packet report. Any updates to the plan will be posted on the City's website. Applicants or interested parties should submit written or emailed comments no later than 5:00 p.m. on the Wednesday prior to the meeting to allow the Council adequate time for review and consideration. Comments should be submitted either by mail to Nibley City Hall or email to cheryl@nibleycity.com. If applicants or interested parties would like to comment after this time, please submit your comments during the public hearing at the meeting.

Thank you,

Cheryl Bodily
Nibley City Deputy Recorder
(435) 752-0431

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Nibley City Council
Agenda Report for
April 11, 2024

Agenda Item #6

Description	**Presentation –** "Outstanding Event" award and Leadership Academy graduation presented to Nibley City Parks and Recreation Departments and Curtis Snelgrove respectively by the Utah Recreation & Parks Association
Presenter	A representative from URPA
Recommendation	Listen to the presentation. Ask pertinent questions. Offer support and encouragement.
Reviewed By	City Manager, Recreation Director

Background:

Our Nibley City Parks and Recreation departments are members of and participate in specialized training and conferences offered by **URPA** (**U**tah **R**ecreation and **P**arks **A**ssociation). In addition to training offered, URPA annually recognizes the outstanding achievements of its member agencies in a variety of categories and suggested that our Nibley City Recreation Department submit an award application for review and consideration regarding the unique and original Nibley HOPstacle Run event. This Easter themed family fitness experience has promoted health and wellness in our community since 2016 and has exponentially grown a running community through a concept of exercise in disguise that has benefited the health of countless individuals, local schools, and surrounding communities. At the recent URPA conference Nibley City was notified that they won the Outstanding Special Event Award for the HOPstacle Run and Curtis Snelgrove was also recognized for completing the URPA Leadership Academy, a program our Recreation Director also completed in 2015. The leadership of URPA requested that the Outstanding Event Award and graduation certificate be presented in person in Nibley to recognize the outstanding achievements of our Parks and Recreation departments.

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Agenda Item #7

Description	**Discussion & Consideration:** 2024 Arbor Day Proclamation
Presenter	Rod Elwood, Nibley City Parks Division Manager
Planning Commission Recommendation	NA
Staff Recommendation	Move to approve the 2024 Nibley City Arbor Day Proclamation
Reviewed By	Mayor, City Manager, Parks Manager

Background

This year celebrates the 52nd year of the Arbor Day Foundation in the United States of America. Arbor Day Foundation's oldest program is Tree City USA. It started with 42 communities in 16 states. Today, the program includes over 3,600 communities in all 50 states.

Why do communities become members of Tree City USA?

A thriving urban forest offers many advantages to communities. Here are just a few:

- Trees help absorb the sounds of traffic in urban areas by 40%.
- Neighborhoods with trees are seven to nine degrees cooler than those without.
- Trees reduce energy costs up to 25% by shading buildings and protecting them from winter winds.
- Homes with trees have higher property values.
- Green space plays a major role in improving mental and physical health.
- Planting and maintaining trees absorb carbon dioxide in the atmosphere, mitigating the effects of climate change.

Nibley City has been a member of Tree City USA for 13 years now. This was one of Mayor Knight's goals to become a Tree City. In this period of time Nibley City has planted over 1000 trees on 30 plus Nibley City properties. This work of planting these trees could not have been accomplished without the help of many different volunteer groups. These groups were as small as four, Cub Scout that were 8 years old to a couple of Heritage Day's service projects that involved a couple hundred people of all ages.

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A PROCLAMATION CELEBRATING ARBOR DAY IN NIBLEY CITY, UTAH

WHEREAS, in 1872, J. Sterling Morton proposed to the Nebraska Board of Agriculture that a special day be set aside for the planting of trees; and

WHEREAS, this holiday, called Arbor Day, was first observed with the planting of more than one million trees in Nebraska; and

WHEREAS, Arbor Day is now observed throughout the nation and the world; and

WHEREAS, trees reduce the erosion of our precious topsoil by wind and water, cut heating and cooling costs, moderate the temperature, clean the air, produce oxygen, and provide habitat for wildlife; and

WHEREAS, trees are a renewable resource giving us paper, wood for our homes, fuel for our fires, and countless other wood products; and

WHEREAS, trees in our City increase property values, enhance the economic vitality of business areas, and beautify our community; and

WHEREAS, trees, wherever they are planted, are a source of joy and spiritual renewal; and

WHEREAS, Nibley City makes great efforts to set the example in planting trees and encouraging citizens to do likewise; and

WHEREAS, Nibley City desires to improve its efforts to commemorate Arbor Day each year; and

WHEREAS, Nibley City has chosen to celebrate Arbor Day 2024 on Friday, April 26, in coordination with National Arbor Day; and

WHEREAS, in commemoration of Arbor Day 2024, Nibley City hosted a tree give away to residents at Nibley City Hall on Monday April 22, 2024.

NOW, THEREFORE, I, Larry Jacobsen, Mayor of the City of Nibley do hereby proclaim Friday, April 26, 2024, to be ARBOR DAY in the City of Nibley, and urge all citizens to celebrate Arbor Day and to support efforts to protect our trees and woodlands.

Dated this _____ day of _____, 2024.

_____
Larry Jacobsen, Mayor

Attest: _____
Cheryl Bodily, City Recorder

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Agenda Item #8

Description	**Discussion & Consideration:** Resolution 24-08— Amending the Nibley City Consolidated Fee Schedule (Green Waste, Community Room Reservation Fees, Sewer/Water Modeling Fees, Miscellaneous Land Use Fees, Water/Sewer Penalties, and Miscellaneous Recreation Fees) (First Reading)
Presenter	Justin Maughan, City Manager
Planning Commission Recommendation	N/A
Staff Recommendation	Approval of Resolution 24-08 – Adjusting various fees on the Consolidated Fee Schedule, waive second reading (at least for Curb Side Green Waste)
Reviewed By	City Manager & Other Department Heads

Background

Curb-Side Green Waste

The original trash-hauling contract between the Cache Waste Consortium (CWC) and Waste Management (WM) did not include curb-side green waste collection. WM continued (roughly) the same service at the same cost that was previously provided by Logan City to finish the 2023 season. In late March 2024 (barely in time to start the 2024 season) CWC and WM adopted a contract addendum for green waste service for municipalities that choose to use it. The monthly fee under this contract is $10.50 per month, charged twelve times throughout the year with service from April 1 to October 31. This is substantially more expensive than the $4.00 per month fee charged by Logan City for Logan residents, down from $5.00 per month in 2023. Please note that the WM fee for an extra trash bin is $8.25 per month, with year-round service. The $10.50 fee is only guaranteed by WM for the 2024 season. Negotiation for this added green waste service was limited, and the only alternative offered by WM was to subsidize the green waste fee by increasing the cost of the second trash can. For reasons that the council may be interested in hearing during the council meeting, the CWC did not approve of that alternative.

Given the late date to reach a CWC-WM green waste agreement and given our current practice of passing WM costs to residents, city staff and the mayor notified Nibley green waste customers of the new $10.50 monthly cost increase starting 1 April 2024. This fee

has not been adopted by the City Council and is open to discussion as part of Resolution 24-08.

Two principles that are at odds while considering green waste fees are incentivizing residents to “do the right thing” on a long-term basis versus charging the actual fee to residents who receive a particular service. At Nibley City’s request, Logan City provided information about purposed tipping fees for green waste and trash and a new fee for individual drop-offs at the Logan’s green waste site. If the council is interested, we can discuss those yet-to-be-adopted fees.

Community Room Large/Small Gathering fee

We currently have 4 different established rental rates for the Community Center. They are based on the gathering size, along with resident or non-resident status.

Staff have noticed over the last few months that very few people pay for the large gathering fee. It is hard for our City to enforce the correct fee, as we don’t attend the event to verify the size of the gathering.

From the 15 months between January 1, 2023, through March 31, 2024, we have collected $12,275.00 from Community Center Rentals on Sportsites, with an additional $4,419.00 collected in our office for a handful of in-person rentals and cleaning charges. About 66% of that is from Resident Small Gathering Events, 18% of that is for Resident Large Gatherings, and 16% is for Non-Resident Small Gatherings. 0% of those events were for Non-Resident Large Gatherings.

Staff is proposing a merged Small Gathering and Large Gathering fee, because we can’t enforce or ensure that the right fee is being charged and collected for the Community Center Rental.

We are proposing that the new Community Center Rental Fee for residents be $150 per rental period, with the new non-residential fee being $300 per rental period. It is estimated that with the merged fee, we will collect only slightly more funds, with most of the new revenue being assumed by those who are non-residents.

After comparing rental space and the quality of the rental space that other cities offer, this seems to be fair pricing.

Community Room Date Change Fee

Staff are also proposing a $10.00 Community Room Reservation Date Change Fee. There have been several building renters who habitually change their rental dates, this ties up reservation dates unnecessarily for others looking to reserve the room and reduces revenue.

Sewer Modeling Fee Residential

This is a fee that would be charged to Developers as part of the development process. The fee is to cover the cost of a consultant to update the sewer model the City uses to plan for capital projects and anticipate problem areas that may arise out of new development. The fee is charged as a $750 base rate, with an additional per lot fee of $35.

Sewer Modeling Fee Non-Residential

This is a fee that would be charged to Developers as part of the development process. The fee is to cover the cost of a consultant to update the sewer model the City uses to plan for capital projects and anticipate problem areas that may arise out of new development. The fee is charged as a $850 base rate, with an additional per lot fee of $35.

Water Modeling Fee Residential

This is a fee that would be charged to Developers as part of the development process. The fee is to cover the cost of a consultant to update the water model the City uses to plan for capital projects and anticipate problem areas that may arise out of new development. The fee is charged as a $450 base rate, with an additional per lot fee of $35.

Water Modeling Fee Non-Residential

This is a fee that would be charged to Developers as part of the development process. The fee is to cover the cost of a consultant to update the water model the City uses to plan for capital projects and anticipate problem areas that may arise out of new development. The fee is charged as a $850 base rate, with an additional per lot fee of $35.

Subdivision Violation

Last time the Consolidated Fee Schedule was majorly overhauled, there were a few miscellaneous fees that were left off. This is just assigning a fee to an existing violation, which is incurred for an individual that violates Chapter 21: Subdivision Regulations.

Land Use Violation

Last time the Consolidated Fee Schedule was majorly overhauled, there were a few miscellaneous fees that were left off. This is just assigning a fee to an existing violation, which is incurred for an individual that violates Chapter 19: Zoning Regulations.

Land Use Appeal Application

Last time the Consolidated Fee Schedule was majorly overhauled, there were a few miscellaneous fees that were left off. This is just assigning a fee to an application for a Land Use Appeal, which is required anytime an applicant wishes to appeal a land use decision.

Penalty for blocking or diverting water

Last time the Consolidated Fee Schedule was majorly overhauled, there were a few miscellaneous fees that were left off. This is just assigning a fee to an existing violation.

Penalty for restroom or sewer facility violation

Last time the Consolidated Fee Schedule was majorly overhauled, there were a few miscellaneous fees that were left off. This is just assigning a fee to an existing violation.

Recreation – Small Goal Placement:

This fee is for City staff to place small goals for leagues or citizens who wish to rent Nibley City fields, and want small soccer goals placed at the field. It also clarifies that the fee applies to 1-4 pair of goals placed on a field for field rental, (this fee is only charged if goals are not already in place for our recreation league play).

Recreation - League Per Player Fee:

Staff proposes eliminating a per player fee for outside organizations using our athletic fields and courts, since the per team per two-month time frame, and other specific field rental fees are more accurate we propose eliminating a per player fee for outside organizations using our athletic fields and courts.

RESOLUTION 24-08

A RESOLUTION AMENDING THE CONSOLIDATED FEE SCHEDULE (GREEN WASTE, COMMUNITY ROOM RESERVATIONS FEES, SEWER/WATER MODELING FEES, MISCELLANEOUS LAND USE FEES, WATER/SEWER PENALTIES, AND MISCELLANEOUS RECREATION FEES)

WHEREAS, State Law and the City Code empower the Nibley City Council to set rates and charge fees for services provided by Nibley City;

WHEREAS, Nibley City has historically set rates and fees for services through various resolutions from time to time as needed;

NOW, THEREFORE, IT IS HEREBY RESOLVED BY THE NIBLEY CITY COUNCIL THAT:

1. The Consolidated Fee Schedule attached hereto as Exhibit A and the rates, fees, and charges set forth therein are hereby enacted and adopted.

2. This Resolution does not repeal, abrogate, annul, or impair in any way the existing resolutions or ordinances of the City except to modify the rates, fees, and charges reflected in the Consolidated Fee Schedule. All rates, fees, or charges not listed in the Consolidated Fee Schedule which are contained in or promulgated pursuant to any current resolution or ordinance shall remain in full force and effect, unless and until duly modified. All resolutions or ordinances which set forth rates, fees, or charges which are contained in the Consolidated Fee Schedule are hereby superseded by the Consolidated Fee Schedule.

3. This Resolution shall take effect April 11, 2024.

Adopted by the Nibley City Council this _____ Day of _____, 2024.

_____
Larry Jacobsen, Mayor

ATTEST:

_____
Cheryl Bodily, City Recorder

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Utility Service Fees

Item	Rate
Water	
Base Rate	
1" Water Service	$ 15.50
2" Water Service	$ 35.00
3" Water Service	$ 65.00
4" Water Service	$ 90.00
5" Water Service	$ 95.00
6" Water Service	$ 105.00
Rate per 1,000 gallons	
0-5,000 Gallons	Included in base rate
5,001 - 40,000	$ 1.05
40,001 - 65,000	$ 1.10
65,001 - 100,000	$ 1.15
100,001 +	$ 1.35
Multifamily Base Rate	
Multifamily Base Rate per Unit billed to owner	$ 15.50
Townhouse Usage Rate per 1000 gallons billed to HOA	
0-5000 Gallons	Included in base rate
5001-40000 Gallons	$ 1.05
40,001-65,000 Gallons	$ 1.10
65,001-100,000 Gallons	$ 1.15
100,001+	$ 1.35
Miscellaneous Water	
Water Reconnect/Disconnect Fee	$ 50.00
Extra Territorial Rate	2 x base & usage
Backflow Test Submission	$ 16.00
Sewer	
Residential Rate	$ 55.00
Commercial #1 (0 - 7,000 Gal)	$ 55.00
Commercial #2 (7,001 - 15,000 Gal)	$ 110.00
Commercial #3 (15,001 - 25,000 Gal)	$ 165.00
Commercial #4 (25,001 - 50,000 Gal)	$ 220.00
Commercial #5 (50,000 Gal & Up)	Manual Calculation
Pretreatment	Pass through from Logan City
Stormwater	
Residential	$ 8.00
Commercial	(Sq. ft. of impervious surface/3,000) x Residential Rate
Utility Billing Penalties	
Late Fee	$ 5.00
Late Fee Penalty (Calculated from past due balance)	0.0175
Nonsufficient Funds Fee	$ 30.00
Door Hanger Fee	$ 25.00

Business Licenses & Fees

Item	Rate
Home Business License Application Fee	$ 30.00
Home Occupation Business License Annual Fee (Jan-Dec)	$ 30.00
Home Business License 1/2 Year (July - Dec)	$ 15.00
Commercial & Industrial Business License Initial Fee (Jan-Dec)	$ 250.00
Commercial & Industrial Business License Initial Fee (July-Dec)	$ 125.00
Commercial & Industrial Business License Renewal Fee (Jan-Dec)	$ 150.00
Temporary Vendor/Solicitors Business License (6 Months)	$ 30.00
Class B Retail License (Jan-Dec)	$ 250.00
Late Fee after February 1	10% or $10.00, whichever is greater
Fire Marshall Inspection Fee	$ 45.00
Business License Appeal Request Application	$ 750.00
Temporary Alcohol License	$ 150.00
Deposit for Temporary Alcohol License	$ 500.00

Dog Licenses & Permits

Item	Rate
Dog Registration Annually - Spayed/Neutered	$ 25.00
Dog Registration Annually - Unaltered	$ 35.00
New Dog Registration Sept-Feb - Spayed/Neutered	$ 12.50
New Dog Registration Sept-Feb - Unaltered	$ 17.50
Dog Registration Early Bird Discount	$ -10.00 if paid before March 1st
Kennel License - Yearly Renewal	$ 30.00
Kennel License Application Fee	$ 30.00
Lost Tag	$ 5.00

Animal Control Fine Schedule*

Item	Rate
Control of Rabies and Rabid Animals (NCC 9.02.100)	$ 150.00
Licensing Requirements (NCC 9.02.050)	$ 150.00
Animal Waste (NCC 9.02.160)	$ 150.00
Prohibited Acts and Conditions (NCC 9.02.130)	$ 150.00
Dogs At Large (NCC 9.02.120)	$ 150.00
Animals At Large (NCC 9.02.110)	$ 150.00
Vicious/Dangerous Animals (NCC 9.02.080)	$ 500.00
Animals Attacking (NCC 9.02.150)	$ 500.00
Cruelty to Animals Prohibited (NCC 9.02.060)	$ 500.00
Wild Animals (NCC 9.02.070)	$ 160.00
Interference with Impounding Prohibited (NCC 9.02.140)(D)	$ 160.00
Animal Land Use Regulations (NCC 19.34)	$ 150.00 per animal
Impound 1st Offence	$30 first day +$18 per day thereafter
Impound 2nd Offence	$45 first day +$18 per day thereafter
Impound 3rd Offence	$60 first day + $18 per day thereafter
Quarantine Boarding Dog/Cat	$ 350.00 Per Animal
Court-ordered Hold and Quarantines in Excess of 10 Days	$ 35.00 Per Day
Dog Euthanasia & Disposal	$ 35.00-50.00 Depending on Weight
Cat Euthanasia & Disposal	$ 40.00

*Fees may be subject to civil enforcement by the City and shall not limit or preclude charges filed and payable to the court of jurisdiction, which is currently Hyrum City Court.

Solid Waste Charges

Residential Single Family		Addt'l Container	New Fee	Addt'l Container
Refuse, 64 gallon, weekly collection	$15.00	$8.25		
Refuse, 94 gallon, weekly collection	$15.99	$8.25		
Recyclables, 96 gallon, every other week collection	$5.00	$3.00		
Green Waste	~~$5.00~~	~~$5.00~~	$10.50	$10.50

Residential Ancillary Services/Charges:	
Container Exchange - Swap old container with new	$45.00
Container Delivery - New starts and additional containers	$25.00
Removal Charge	$25.00
Contamination Charge	$5.00
Overage Charge	$5.00
Resume Charge	$25.00
Container Replacement - if damaged caused by customer	$75.00

Commercial	1st Container	Addt'l Container
Refuse, 96 gallon, weekly collection	$15.99	$8.25
2-yard, per collection	$56.25	$56.25
4-yard, per collection	$112.58	$112.58
6-yard, per collection	$168.87	$168.87
8-yard, per collection	$225.16	$225.16

Commercial Container Matrix	Frequency-Trash				
Container Size	1x	2x	3x	4x	5x
2YD	$56.29	$112.58	$168.87	$225.16	$281.45
3YD	$84.44	$168.88	$253.32	$337.76	$422.20
4YD	$112.58	$225.16	$337.74	$450.32	$562.90
6YD	$168.87	$337.74	$506.61	$675.48	$844.35
8YD	$225.16	$450.32	$675.48	$900.64	$1,125.80

Commercial Ancillary Services/Charges:	
Contamination Charge	$75.00
Overage Charge	$75.00
Relocate Charge	$100.00
Removal Charge	$100.00
Reactivation Fee	$25.00
Lock charge - per lock per month	$22.00
Resume Service Fee	$60.00

Roll-Off Services	
Roll-Off Haul Fee (Does not Include Disposal)	$335.00
MSW Disposal charge per ton (4 ton min)	Facility tip fee
Green Waste Disposal Charge per ton (4 ton min)	Facility tip fee
RCY Disposal Charge Per Ton	Facility tip fee
Roll-Off Ancillary Service/Charges:	
Minimum haul (Inactive for more than 30 days)	$335.00
Relocation	$335.00
Delivery Fee	$335.00
Trip Charge (not ready, overloaded, location blocked, etc.)	$335.00

*Resident cart pick up not available

Charges for Development Services

Planning Review Fees	
Item	**Rate**
Preliminary Plat Fee	$700 + $30 per lot
Final Plat Fee	$1700 + $60 per lot
Public Works Inspection Fee for Development/Subdivision	.0075 x Bond Summary
Public Works Inspection Fee for Commercial Development	.0075 x Bond Summary
After Hours Inspection Fee upon availability and approval of Public Works Director	$200/hr with 4 hr minimum
Development Agreement Not Associated with Another Application	$ 200.00
Minor Subdivision Fee	$700 + $60 per lot
Commercial Site Plan Review Fee	$100/1000 Sq. Ft., maximum $2500
Accessory Building Zoning Clearance Application	$ 30.00
Subdivision Amendment Application	$200 + $10/affected lot
RPUD Overlay Zone Application	$ 500.00
Misc. Planning & Development Application	$ 50.00
Conditional Use Permit (No Business License)	$ 50.00
Right-Of-Way Permit	$ 150.00
Rezone, Code Change, or Master Plan Change Application	$ 500.00
PUE Vacation	$ 200.00
~~Water Modeling Fee--paid at Preliminary Plat Application~~	~~$450 Base Fee + $35/Unit~~
Water Modeling Fee-Residential	$450 Base Fee + $35/Unit
Water Modeling Fee-Non-Residential	$850 Base Fee + $35/Building
~~Sewer Modeling Fee~~	~~$450 Base Fee + $35/Unit~~
Sewer Modeling Fee- Residential	$750 Base Fee + $35/Unit
Sewer Modeling Fee-Non-Residential	$850 Base Fee + $35/Building
Parcel Boundary or Lot Line Adjustment	$ 200.00
Public Notice Fee	$ 150.00
Annexation Petition Application	$ 400.00
Variance Request Application	$ 1,000.00
Administrative Citation Appeal Application	$ 150.00
Stormwater Development Inspection Fee	$750.00 per acre of development
Asphalt Preservation	$0.284 per Sq Foot
Sunrise Retention Basin	$ 2,600.00
Hansen/Zilles Retention Basin	$ 2,600.00
Land Use Appeal Application	$ 750.00

Building Permits & Impact Fees

Item	Rate
Impact Fees	
Sewer Impact Fee 1" Service	$ 1,425.00
Sewer Impact Fee 2" Service	$ 4,629.00
Sewer Impact Fee 3" Service	$ 8,685.00
Sewer Impact Fee 4" Service	$ 14,478.00
Sewer Impact Fee Multifamily Unit/Per-Door Charge and ADU	$ 1,189.00
Logan Wastewater Treatment Impact Fee for 1" Water Meter (Ord. 20-15)	$ 2,433.00
Logan Wastewater Treatment Impact Fee for 2" Water Meter	$ 7,786.00
Logan Wastewater Treatment Impact Fee for 4" Water Meter	$ 24,327.00
Logan Wastewater Treatment Impact Fee Multifamily Unit/ADU Per-Door Charge	$ 2,433.00
Water Impact Fee 1" Service	$ 3,363.00
Water Impact Fee 2" Service	$ 10,733.00
Water Impact Fee 3" Service	$ 20,137.00
Water Impact Fee 4" Service	$ 33,568.00
Water Impact Fee Multifamily Unit/Per-Door Charge and ADU	$ 2,757.00
Park impact Fee per Single Family Home/ADU	$ 9,003.00
Park Impact Fee per Multifamily Unit	$ 6,613.00
Transportation Impact Fee Single Family Home	$ 887.00 per unit
Transportation Impact Fee Multifamily	$ 688.00 per unit
Transportation Impact Fee Mobile Home	$ 470.00 per unit
Transportation Impact Fee Shopping Center	$ 2342.00 per 1000 Sq Ft.
Transportation Impact Fee Office	$ 1522.00 per 1000 Sq Ft.
Transportation Impact Fee Light Industrial	$ 466.00 per 1000 Sq Ft.
Transportation Impact Fee Warehouse	$ 164.00 per 1000 Sq Ft.
Transportation Impact Fee Institutional	$ 1426.00 per 1000 Sq Ft.
Transportation impact Fee Hotel	$ 786.00 per 1000 Sq Ft.
Transportation Impact Fee Food/Fast Food	$ 11,257.00 per 1000 Sq Ft.
Transportation Impact Fee Gas Station/ Conv	$ 46,015.00 per 1000 Sq Ft.
State Collected 1% Fee	1% of Building Permit Fees
Building Permit Fees	
Building Permit	Based on a formula below or latest State adopted IRC manual building permit fees. Valuation is according to building inspector's review.
Total Valuation	
$1-$500	$24.00
$501 - $2,000	$24 for the first $500 plus $3 for each additional $1000, or fraction thereof, to and including $2000.
$2,001 - $40,000	$69 for the first $2,000 plus $11 for each additional $1000, or fraction thereof, to and including $40,000.
$40,001 - $100,000	$487 for the first $40,000 plus $9 for each additional $1,000, or fraction thereof, to and including $100,000.
$100,001 - $500,000	$1,027 for the first $100,000 plus $7 for each additional $1,000, or fraction thereof, to and including $500,000.
$500,001 - $1,000,000	$3,827 for the first $500,000, plus $5 for each additional $1,000, or fraction thereof, up to and including $1,000,000.
$1,000,001 - $5,000,000	$6,327 for the first $1,000,000 plus $3 for each additional $1,000, or fraction thereof, up to and including $5,000,000.
$5,000,001 and over	$18,327 for the first $5,000,000 plus $1 for each additional $1,000, or fraction thereof
Plan Review Fee	0.1% of valuation of the improvement. Additional fees for inspections outside of normal business hours may be charged according to IRC fee schedule.
Water Meter 1"	$ 700.00
Water Meter 2"	$ 2,200.00
Water Meter 4"	$ 4,000.00
Water Meter 2" - Multi-Family	$ 2200.00/# of units
Water Meter Lid	$ 85.00
Water Meter Ring or Collar	$ 85.00
Water Meter Adjustment (Raise or Lower)	$ 150.00
4" Water Strainer	$ 700.00
Stormwater Inspection Fee Residential	$150 Per Year
Stormwater Inspection Fee Commercial	$1500/acre with minimum of $500
Development Fees	
Water Connection Fee	$ 550.00
Sewer Connection Fee 4"	$ 500.00
Sewer Connection Fee 6"	$ 750.00
Sewer Connection Fee 8"and larger	$ 1,250.00
Sewer Connection Fee Multi-Family	$ 300.00 per unit
Right-Of-Way Permit	$ 150.00
Right-Of-Way Underground Utility and Facility Management and Inspection Fee	$0.45 per lineal foot
Narrow Trench Encroachment Permit Fee	$0.45 per lineal foot
Road Cut Fee	$ 3,000.00 (1/2 is refundable after 1 year warranty)
Miscellaneous Items	
Online Credit Card Convenience Fee	3.2% of Total Invoice
In-Person Credit Card Convenience Fee	3.0% of Total Invoice
Reinspection Fee	$ 50.00
After Hours Inspection Fee upon availability and approval of Building Inspector	$200.00 Per Hour, 4 hour minimum

Recreation

Facility Rentals

	Rate
~~Community Room Small Gathering - Resident - Fewer than 50 people~~	~~$ 125.00~~
~~Community Room Small Gathering - Non-resident - Fewer than 50 people~~	~~$ 200.00~~
~~Community Room Small Gathering - Deposit~~	~~$ 300.00~~
~~Community Room Large Gathering - Resident - Greater than 50 people~~	~~$ 250.00~~
~~Community Room Large Gathering - Non-resident - Greater than 50 people~~	~~$ 400.00~~
~~Community Room Large Gathering - Deposit~~	~~$ 300.00~~
Community Room Gathering- Resident	$ 150.00
Community Room Gathering- Non-Resident	$ 300.00
Community Room Gathering- Deposit	$ 300.00
Community Room Date Change Fee	$ 10.00
Community Room Business, Club, & Public Meetings	Free, With City Manager Approval
Community Room Business, Club, & Public Meetings Deposit	$ 300.00
Community Room Building Repair/Maintenance	$ 30/HR + Repair Costs
Park Pavilion Rental (Heritage, Anhder, Virgil Gibbons, Elk Horn)	$ 35.00
Park Pavilion Rental (Elk Horn with Kitchen)	$ 50.00
Park Pavilion Rental Kitchen Cleaning/Damage Deposit (Elk Horn)	$ 25.00
Heritage North Enclosed Pavilion (Heated) Rental	$ 50.00
Heritage North Enclosed Pavilion (Unheated) Rental	$ 35.00
Heritage North Enclosed (Heated) Park Pavilion DEPOSIT	$ 25.00
Single Use Athletic Field Rental (Per Field, Per Game/Practice)	$ 35.00
Athletic Field Rental (Per Team, Per Period) Period 1 April-May, Period 2 June-August, and Period 3 September-October	$ 50.00
Placement of 1 to 4 Pairs of Small Goals	$ 40.00
Placement of 1 Pair of Large Goals	$ 60.00
Anhder Park Field Lights (Per Day)	$ 20.00
~~Recreation league field use per player/season for NON Nibley City Recreation programs~~	~~$ 3.00~~
Field Preparation - Baseball/Softball (includes base setting, dragging, and lining the field)	$ 25.00
Field Preparation - Athletic Field	$ 45.00
Personal Training 1-5 participants/mo. Field/facility use (SMALL GROUP)	$ 35.00
Personal Training 1-5 participants/3 mo. Field/facillity use (SMALL GROUP)	$ 50.00
Athletic field rental per camp/clinic/day up to 6-50 participants (MEDIUM GROUP) (may require pavilion rental)	$ 50.00
Tournament fee/DAY and or (LARGE GROUP) CAMP/CLINIC/DAY per athletic field use includes: 1 Baseball or Softball field, or 2 grass athletic fields, 1 baseball/softball field prep & pavilion rental if applicable, additional bathroom cleaning/day, and additional garbage removal @ athletic field (typically 51 participants or more)	$ 225.00
Tournament athletic field layout and lining (painted) on grass/per field (soccer, lacrosse, football, etc)	$ 50.00
Tournament/Event Cleaning Deposit (applies to Medium and Large Groups)	$ 300.00
Baseball portable mound placement/occurance (dirt mound building for tournaments is NOT available)	$ 35.00
Concessions permit/day (includes access to available onsite electrical outlets, however, a breaker reset for overloaded circuits incurs a $25 fee per occurance) Event/League organizers are required to have a copy of food handlers permits onsite throughout the duration of the event	$ 20.00
Amphitheatre rental/day (includes access to electricity)	$ 45.00
Pickleball court rental/day (includes both courts @ Anhder Park)	$ 45.00
Tennis court rental/day (also lined for 4 Pickleball courts @ Anhder Park portable nets NOT provided)	$ 45.00
Per day fee for use of city streets, and/or park space for a fun run/walk, includes pavilion rental. Fee also applies to parades. Route layout provided by the organizer, must be approved 14 days prior to the event.	$ 75.00

Per hour, per person of paint marking of a fun run/walk or other fitness event (painting arrows and or start & finish line, with washable paint, does NOT include directional traffic cones, road closed, detours, or other signage). Organizer pays estimate prior to event, billed the difference if actual cost more than estimate	$ 35.00
Traffic Control set up per hour per person. Cones, baracades, road closed/detour for an event (ie fun run/walk fitness events, parades or similar) Organizer pays estimate prior to event, billed the difference if actual cost more than estimate	$ 75.00
Ticketed event (including entrance fees and suggested donations for participation or entrance)	$ 200.00

General Notes regarding Parks and Recreation facility rentals/use/and fees

Tournament/Event Cleaning Deposit

Deposits are refundable if the facility/field is left clean and without damages. Deposits, if not refunded, are intended to cover the cost of additional cleaning or minor damage beyond normal use if such is needed. If the cost of cleaning or damage repairs resulting from use of any facility exceeds the deposit, the City reserves the right to charge the user for any additional costs incurred.

Inclement Weather & Refund Policy

The event/league organizer assumes the risk of cancelation due to inclement weather, If event/league organizer requests re-scheduling due to inclement weather it is based on facility availability and will be at the discretion of Nibley City only if alternate dates are available. Facility fees are non-refundable unless a refund has been requested in writing 14 days prior to the event.

Movies:

Use of any city property to show a movie requires proof of movie licensing, at least 7 days prior to the event. If the event organizer requires an entrance fee including a suggested donation, a ticketed event fee applies. Nibley City audio/visual equipment and movie screen are NOT available to rent. Nibley City reserves the right to prohibit an outdoor movie if the proposed event is held within 30 days of a scheduled Nibley City outdoor movie in the park.

Fun Runs and outdoor fitness events:

A pavilion rental is required (included in fee), if the start or finish line is in Nibley, traffic safety provided by the Cache County Sheriff or equivalent is NOT included in the fee, The organizer may be required to provide additional porta-potties based on estimated #'s. Nibley City reserves the right to prohibit a fun run/walk or other fitness event if it is held with-in 45 days of a scheduled Nibley City outdoor fun run/walk or similar Nibley City outdoor fitness event.

Field and street marking restrictions:

All athletic field, event space, and or street marking must be performed by Nibley City employees unless otherwise approved in writing by the Parks or Recreation Departments;, otherwise renter assumes costs for damages and or cleaning. Failure to comply may also result in becoming ineligible to rent facilities.

Ticketed events

All ticketed events must be pre-approved by the Nibley City Special Events Committee at least 30 days prior to the event. Event insurance is required for these events and the event may require a business license. Nibley City does NOT provide any access control in the form of fencing, gates, cones, or barriers, other than permeant structures (i.e.. fences) already available at facility.

Cache County School District, Thomas Edison Charter School, and Utah State University Use

Nibley City reserves the right to waive fees and or requirements except insurance requirement, for facility use by Thomas Edison Charter School and Cache County School District schools, and associated organizations including a school PTA. based on shared use interlocal agreements. Nibley City also reserves the right to waive fees for Utah State University Use.

Baseball	
Classic T-Ball	$ 40.00
Rookie	$ 40.00
Minors	$ 70.00
Majors	$ 75.00
Pony	$ 85.00
Early Bird Discount	$ (10.00)
Softball	
Ponytail (6-8)	$ 40.00
Fast Pitch (10 & Under)	$ 45.00
Fast Pitch (12 & Under)	$ 50.00
Fast Pitch (14 & Under)	$ 50.00
Co-Ed Softball	$ 55.00
Early Bird Discount	$ (10.00)
Super Start	
T-Ball (3-4) Fee	$ 40.00
Soccer (3-4) Fee	$ 40.00

Reversible Soccer Jersey	$	7.00
Early Bird Discount	$	(10.00)
Flag Football		
1st & 2nd Grade League	$	45.00
3rd & 4th Grade League	$	45.00
5th & 6th Grade League	$	55.00
7th & 8th Grade League	$	55.00
Early Bird Discount	$	(10.00)
Soccer Spring & Fall		
Pre-K Outdoor Soccer	$	40.00
Kindergarten League	$	40.00
1st & 2nd Grade League	$	40.00
3rd & 4th Grade League	$	55.00
5th & 6th Grade League	$	55.00
7th & 8th Grade League	$	55.00
9th-12th Grade League	$	55.00
Early Bird Discount	$	(10.00)
Kickball		
7th - 12th Grade League	$	55.00
Early Bird Discount	$	(10.00)
Ultimate Frisbee		
Younger League 7 to 10 years old	$	45.00
Middle League 11 to 12 years old	$	45.00
Older League 13 to 15+ years old	$	45.00
Early Bird Discount	$	(10.00)
Other Youth Programs		
Pickleball		
Pickleball Lessons	$	40.00
Early Bird Discount	$	(10.00)
Cross-Country		
Cross Country Youth	$	40.00
Early Bird Discount	$	(10.00)
Nerf Tag		
Nerf Tag	$	60.00
Early Bird Discount	$	(10.00)
Cancelation fees for all youth recreation programs		
A registration refund for cancelation is available only if the cancelation request is prior to the coach meeting/jersey order. All cancelation requests are subject to the proposed 20% (of the total registration cost) fee.		20%
Other NEW Youth sports, programs, camps, and or classes		
The intial fee will be established at the discretion of the Recreation Director based on an evaluation of actual and estimated costs, fees for similar programs, known and projected program interest, and considerations of community benefit. Program offerings that continue beyond a trial phase, will utilize actual costs compared to registration fees to determine appropriate registration fees moving forward.		
Equipment Rental		
Disc Golf Set, Spikeball, Kubb, Can Jan, Corn Hole, and or other similar (Per Set up to a 3 day rental).	$	5.00
Equipment Deposit/Set	$	20.00
Nibley Fit		
Day Pass	$	3.00
Monthly Pass	$	20.00
Quarterly Pass	$	50.00
Staff has discretion to adjust pass prices for promotional events		
Heritage Days		

Approved Public service/Non-Profit Booth Fee (including schools). Fee Waiver requires no sale of products or services, and interactive activity.	$ -
Standard Booth Fee	$ 35.00
Standard Booth Fee WITH ELECTRICITY	$ 45.00
Food Booth Fee	$ 45.00
Food Booth Fee WITH ELECTRICITY	$ 55.00
Heritage Days tournaments/contests/limited seating shows/experiences	Based upon actual cost
Mayor's Dinner (individual)	Based upon actual cost
Mayor's Dinner (Family)	Based upon actual cost
Special Event Permit Application: For commercial, for profit, pay to participate events occurring entirely in Nibley City, or using a Nibley City owned facility including parks, buildings, and streets	$ 30.00

Miscellaneous Penalty Fees

Item	Rate
Class B Misdemeanor (NCC 1.08.010)	$ 1,000.00
Class C Misdemeanor (NCC 1.08.010)	$ 750.00
Class B Misdemeanor for a Corporation (NCC 1.08.010)	$ 5,000.00
Class C Misdemeanor for a Corporation (NCC 1.08.010)	$ 1,000.00
Arborist License and Insurance (NCC 3.06.160)	$ 25.00
Penalty for tree noncompliance (NCC 3.06.180)	$ 500.00
Misuse of Recycle Bin (NCC 7.06.060)	$ 50.00
Minors' Truancy (NCC 9.04.030)	$ 500.00
Parking Infractions (NCC 11.02.040)	$ 25.00
Hunting on Public Property (NCC 13.08.050)	$ 500.00
Franchise Application Fee (NCC 13.10.070)	$ 500.00
Sanitary Sewer not Connected (NCC 15.04.040)	$50.00 per day
Stormwater Infraction (NCC 15.10.080)(A)	$750.00 or less
Stormwater Criminal Penalties, First Offense (NCC 15.10.080)(B)	$750.00 or less per day
Stormwater Criminal Penalties, Second Offense (NCC 15.10.080)(C)	$1000.00 or less per day
Electronic Sign Permit (NCC 19.24.150(L))	$ 250.00
Disorderly Conduct Fine for Council Members (NCC 1.10.040)(G)(4)	$ 200.00
Failure to Obtain Permit (NCC 13.06).	2 x normal permitting fee per day
~~Code Enforcement Appeal Application (NCC 1.08.040) (B)(4)~~	~~$ 750.00~~
Disturbing The Peace (NCC 9.06.040) 2nd Offense	$ 500.00
Noise Regulations (NCC 7.16)	100.00/day
Business License Required; Penalty (NCC 5.02.030)	$ 500.00
Solicitor License Required; Penalty (NCC 5.08.020)	$ 500.00
Unauthorized Meter Penalty (NCC 15.02.070) and (NCC 15.02.180)(D)	$ 750.00
Exterior Lighting Penalty (NCC 19.24.140)	$ 100.00
Minors' Curfew (NCC 9.04.020)	$500.00 per day
Subdivision Violation (NCC 21.02.020)	$ 500.00
Land Use Violation (NCC 19.02.110)	$ 500.00

*Fees may be subject to civil enforcement by the City and shall not limit or preclude charges filed and payable to the court of jurisdiction, which is currently Hyrum City Court.

Nuisance Penalty Fees

Nuisance	1st Offense	2nd Offense	3rd Offense
Befouling Water	$ 125.00	$ 250.00	$ 500.00
Privies, Cesspools	$ 125.00	$ 250.00	$ 500.00
Garbage Containers	$ 75.00	$ 150.00	$ 300.00
Garbage Accumulation	$ 75.00	$ 150.00	$ 300.00
Storage of Personal Property in Public View	$ 25.00	$ 50.00	$ 100.00
Parked Vehicles in Front Yard	$25.00/vehicle	$50.00/ vehicle	$100.00/vehicle
Inoperable Vehicles & Machinery	$25.00/vehicle	$50.00/vehicle	$100.00/vehicle
Manure Accumulation	$ 125.00	$ 250.00	$ 500.00
Slaughterhouses, Feed Yards	$ 125.00	$ 250.00	$ 500.00
Discharging Offensive Water or Liquid Waste	$ 125.00	$ 250.00	$ 500.00
Collecting Grease, Offensive Matter	$ 125.00	$ 250.00	$ 500.00
Flies and Mosquitoes	$ 75.00	$ 150.00	$ 300.00
Public Drinking Vessels	$ 125.00	$ 250.00	$ 500.00
Ablutions Near Drinking Fountain	$ 125.00	$ 250.00	$ 500.00
Boarding House or Factory, Sanitary Condition	$ 125.00	$ 250.00	$ 500.00
Cleaning Privy Vaults	$ 125.00	$ 250.00	$ 500.00
Stagnant Water, Offensive Substances	$ 75.00	$ 150.00	$ 300.00
Obstructing Public Ways, Watercourses, Parks	$ 75.00	$ 150.00	$ 300.00
Dead or Diseased Trees	$ 75.00	$ 150.00	$ 300.00
Unmaintained Structures	$ 75.00	$ 150.00	$ 300.00
Improper Buildings and Structures	$ 75.00	$ 150.00	$ 300.00
Blocking or Diverting Water	$ 75.00	$ 150.00	$ 300.00
Restroom or Sewer Facility Violation	$ 125.00	$ 250.00	$ 500.00

Miscellaneous Nibley City Fees

Item	Rate
Copy	$ 0.15
Postage Fee	$ 1.00
Certified Copies	$ 5.00
CD/DVD/Flash Drive	$ 15.00
Notary - Residents Only	FREE
CC Payment Over the Phone (Waive one time if they sign up for auto pay)	$ 4.00
GRAMA Request	Actual Cost
Accounts Receivable Late Fee Penalty	0.015%/month

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Agenda Item #9 & 10

Description	**Public Hearing:** Resolution 24-05—Accepting an Update of the Nibley City Wastewater Management Plan (First Reading) and **Discussion & Consideration:** Resolution 24-05 Accepting an Update of the Nibley City Wastewater Management Plan
Presenter	Jared Pratt, Water and Wastewater Division Manager
Planning Commission Recommendation	NA
Staff Recommendation	Move to approve Resolution 24-05, Accepting an Update of the Nibley City Wastewater Management Plan (Waive Second Reading)
Reviewed By	City Manager, Public Works Director, Water and Wastewater Division Manger

Background

The Nibley City Wastewater Management Plan was created in 2018. The plan outlines routine maintenance and best management practices in operating the wastewater collection system. Nibley City staff's goal is to follow all industry standards, as well as recommendations from the Utah Local Governments Trust (insurance company). Staff will present the plan to Council and the public and answer any questions that may arise.

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RESOLUTION 24-05

A RESOLUTION ACCEPTING AN UPDATE TO THE WASTEWATER MANAGEMENT PLAN,

WHEREAS, The State of Utah, Municipal Wastewater Management Program requires municipalities to create and maintain a management plan; and

WHEREAS, Nibley City desires to manage the wastewater collection system to the highest industry standards; and

WHEREAS, Nibley City desires to prevent any wastewater from backing up into homes, or overflowing into the environment; and

WHEREAS, Nibley City desires to be fiscally responsible in maintaining the wastewater system.

NOW, THEREFORE, IT IS HEREBY RESOLVED BY THE NIBLEY CITY COUNCIL THAT:

1. The attached Wastewater Management Plan shall be accepted and used as the guiding document for managing the wastewater system in Nibley.

Adopted by the Nibley City Council this _____ Day of _____, 2024.

_____
Larry Jacobsen, Mayor

ATTEST:

_____
Cheryl Bodily, City Recorder

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Sanitary Sewer Management Plan (SSMP)

Updated April 2024

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Appendix A

1. Introduction

Nibley City was incorporated in 1935, as a public entity, under Utah State Code, and provides sewage collection within its municipal boundaries. This Sewer System Management Plan (SSMP), has been established to plan and schedule proper management operation and maintenance of all parts of the sewer collection system, in order to reduce and prevent sanitary sewer overflows (SSOs), as well as minimize impacts of any SSOs that do occur. City management recognizes the responsibility it has to operate the sewer system in an environmentally and fiscally responsible manner. As such, this plan will cover aspects of the collection system program necessary to provide such an operation. This plan may refer to other programs or ordinances and by reference may incorporate these programs into this plan.

2. Definitions

The following definitions are to be used in conjunction with those found in Utah Administrative Code R317. The following terms have the meaning as set forth in this document:

A. "BMP" means "best management practice".
B. "CCTV" means "closed circuit television.
C. "CIP" means a "Capital Improvement Plan".
D. "DWQ" means "the Utah Division of Water Quality".
E. "FOG" means "fats, oils and grease". This is also referred to as a Grease Oil and Sand Program (GOSI).
F. "I/I" means "infiltration and inflow".
G. "Permittee" means a federal or state agency, municipality, county, district, and other political subdivision of the state that owns or operates a sewer collection system or who is in direct responsible charge for operation and maintenance of the sewer collection system. When two separate federal or state agencies, municipalities, counties, districts, and other political subdivisions of the state are interconnected, each shall be considered a separate Permittee.
H. "SECAP" means "System Evaluation and Capacity Assurance Plan".
I. "Sewer Collection System" means a system for the collection and conveyance of wastewaters or sewage from domestic, industrial and commercial sources. The Sewer Collection System does not include sewer laterals under the ownership and control of an owner of real property, private sewer systems owned and operated by an owner of real property, and systems that collect and convey stormwater exclusively.

J. “SORP” means “Sewer Overflow Response Plan”
K. "SSMP" means "Sewer System Management Plan".
L. "SSO" means "sanitary sewer overflow", the escape of wastewater or pollutants from, or beyond the intended or designed containment of a sewer collection system.
M. "Class 1 SSO" (Significant SSO) means a SSO or backup that is not caused by a private lateral obstruction or problem which:
    i. affects five or more private structures;
    ii. affects one or more public, commercial or industrial structure(s);
    iii. may result in a public health risk to the general public;
    iv. has a spill volume exceeding 5,000 gallons, excluding SSOs in single private structures; or
    v. discharges to Waters of the State of Utah.
N. "Class 2 SSO" (Non-Significant SSO) means an SSO or backup not caused by a private lateral obstruction or problem that does not meet the Class 1 SSO criteria.
O. "USMP" means the "Utah Sewer Management Program".

3. General SSO Requirements

The following general requirements for SSOs are stipulated in R317--801-4 and are included here as general information.

A. The permittee shall take all feasible steps to eliminate SSOs to include:
    i. Properly managing, operating, and maintaining all parts of the sewer collection system;
    ii. training system operators;
    iii. allocating adequate resources for the operation, maintenance, and repair of its sewer collection system, by establishing a proper rate structure, accounting mechanisms, and auditing procedures to ensure an adequate measure of revenues and expenditures in accordance with generally acceptable accounting practices; and,
    iv. providing adequate capacity to convey base flows and peak flows, including flows related to normal wet weather events. Capacity shall meet or exceed the design criteria of R317-.
B. SSOs shall be reported in accordance with the requirements below.
C. When an SSO occurs, the permittee shall take all feasible steps to:
    i. control, contain, or limit the volume of untreated or partially treated wastewater discharged;
    ii. terminate the discharge;

iii. recover as much of the wastewater discharged as possible for proper disposal, including any wash down water; and,
iv. mitigate the impacts of the SSO.

4. SSO Reporting Requirements

R317--801-4 stipulates when and how SSOs are reported. The reporting requirements in effect as of April 23, 2012, are:

A. SSO REPORTING. SSOs shall be reported as follows:
   i. A Class 1 SSO shall be reported orally within 24 hrs and with a written report submitted to the DWQ within five calendar days. Class 1 SSOs shall be included in the annual USMP report.
   ii. Class 2 SSOs shall be reported on an annual basis in the USMP annual report.

B. ANNUAL REPORT. A permittee shall submit to DWQ a USMP annual operating report covering information for the previous calendar year by April 15 of the following year.

5. Sewer Use Ordinance

The Nibley City Council has adopted a sewer use ordinance, which contains the following items as stipulated by Utah State Code R317-:

A. Prohibition on unauthorized discharges;
B. Requirement that sewers be constructed and maintained in accordance with R317-;
C. Ensures access or easements for maintenance, inspections and repairs;
D. Has the ability to limit debris which obstruct or inhibit the flow in sewers such as foreign objects or grease and oil;
E. Requires compliance with pretreatment program;
F. Allows for the inspection of industrial users; and
G. Provides for enforcement of for ordinance or rules violations.

6. SSMP – General Information

This plan is intended to be a guiding document and not a regulatory requirement. As such, failure to strictly comply with documentation requirements is, in and of itself, not a failure of the program's effectiveness.

Documentation failures are intended to be identified during system self -audits and will be addressed as training opportunities. Significant system failures will be followed up

with corrective action plans. This corrective action process will be implemented by all individuals involved in the SSMP program. Not all Nibley City employees will be involved in the collection system operations, so not all will receive program training. Finally, although not a part of this SSMP program, Nibley is an active participant in the Blue Stakes of Utah utility notification system. This system, regulated under title 54-8A of the Utah State Code, stipulates notification of all underground utility operators when excavation takes place. The intent of this regulation is to minimize damage to underground facilities. Nibley City has a responsibility to mark their underground sewer facilities when notified an excavation is going to take place. Participation in the Blue Stakes program further enhances the protection of the collection system and reduces SSOs.

The responsible representatives, position and phone number for Nibley City with regard to this SSMP are:

Public Works Director - Stephen Eliason, (435) 890-0082

This individual is responsible for overall management of the sanitary sewer collection system. Responsibilities include working with governance to assure sufficient budget is allocated to implement the SSMP, maintenance of the SSMP documentation, development of a capital improvement program, design standards and general supervision of all staff.

Sewer Division Manager - Jared Pratt, (435) 760--4728

This individual is responsible for daily SSMP implementation. This includes maintenance activities, compliance with SORP requirements, and monitoring as well as measurement reporting requirements.

City Engineer -Tom Dickinson, (435) 757-9848

This individual is responsible for the development and maintenance of collection system mapping as well as maintenance of the SECAP program.

7. Operations and Maintenance Program

Nibley City has established this sanitary sewer system operations and maintenance program to ensure proper system operations, to minimize any basement backups or SSOs, and to provide for replacement, refurbishment, or repair of damaged or

deteriorated piping systems. The combined maintenance program should ensure protection of the environment and public health at a reasonable cost for the end users. To this end, the following areas are described and included in this maintenance program:

A. System Mapping
B. System Cleaning
C. System CCTV Inspection
D. Pump Station/Pressure Lines Inspection
E. Force Mainline Inspection
F. Manhole Inspection
G. Defect Reporting
H. Damage Identification
I. Damage Response

A. System Mapping

An up-to-date map is essential for effective system operations. Nibley City has assigned the mapping responsibility to the City Engineer who will prepare and maintain current mapping for the entire sanitary sewer system. Mapping is maintained on a graphical information system (GIS). Mapping is available at the following location:

Nibley City Office
455 West 3200 South
Nibley Utah 84339

Should any employee identify an error in the mapping, they should document the error on a defect report and give it to the engineer.

B. System Cleaning

Nibley City has established a goal to clean the entire system every four years. This frequency significantly reduces the number of basement backups, controls grease problems and flushes any bellies in the system. In addition, Nibley City has a listing of identified “hot spots”, which are maintained at a higher frequency.

Nibley City has identified 3 “hot spots”:

i. 1200 West 3150 South
ii. 450 West 3650 South
iii. 3090 South HWY165 (In front of Maverik)

Cleaning records are maintained at the Nibley City Public Works Office. When contractors are employed to inspect the sanitary sewer system, they will be required to submit records for their work. Should the cleaning process identify a serious defect, the problem should be reported on a Defect Report Form. The Sewer Division Manger should be given the defect reports for further action. The defect report should be specific as to problem location and type. A copy of the Defect Report Form is included in Appendix A. A summary of cleaning activities shall be prepared annually by the Sewer Division Manger, and reviewed by the Public Works Director.

C. System CCTV Inspection

Closed Circuit TV inspections of the sanitary sewer system are used to:

i. Assess pipe condition
ii. Identify problems
iii. Possible future failures
iv. Sources of I&I.

CCTV will also be employed when the system's operation or capacity is questioned or when a Class 1 or Class 2 SSO occurs. Any defects identified during the CCTV process should be reported on a Defect Report Form and the form should be given to the Sewer Division Manager for possible repairs. Generally, Nibley has established a goal to inspect the entire system every 8 years. Records of the inspection will be kept by the City. These records and other documentation of CCTV activities will be maintained at Nibley City Public Works Office. The Sewer Division Manager will prepare an annual summary of CCTV completed for each calendar year.

D. Pump Station

Staff visually inspects each pump station weekly for correct operations. Operators inspecting the pump stations will complete the sewer maintenance inspection log through the Water Sewer Division Manager. Should a problem be encountered, that cannot be corrected during the inspection, the Defect will be reported to the Sewer Division Manager. If the defect has the potential to cause a sanitary sewer overflow, immediate action should be taken to ensure no overflow occurs. In addition to visual inspections, the Hansen and Scott Farm pump stations are monitored remotely via a Supervisory Control and Data Acquisition (SCADA) system. This system monitors operations 24 hours a day 7 days a week and will alarm operators if it senses problems with the pump station. In addition to regular inspections, the wet wells of lift stations shall be cleaned a minimum of every

two months.

E. Pressure Force Main Line Inspection

The alignment of pressure force main lines are inspected annually. During the inspection of the pressure sewer alignment, operators should be looking for unusual puddles. If a potential leak is identified, a Defect Report should be completed and given to the Sewer Division Manager for further action. An evaluation will be made to determine if there is an actual leak and appropriate action taken. In addition, air relief valves and associated vaults shall be inspected to ensure they are functioning properly.

F. Manhole Inspection

Nibley City schedules annual inspections of the sanitary sewer manholes (M/H) in the system. The M/H inspection involves the identification of foreign objects, surcharging and any identifiable I&I issues that may be present. When a potential defect or I&I is identified, the manhole should be flagged. Flagged manholes should be checked and evaluated by the Sewer Division Manager within three days to determine further action. If, during the inspection process, it appears that a problem is imminent, the Public Works Director should be immediately informed of the problem. A cleaning crew should be dispatched immediately to ensure correct system operations. All inspection records should be retained for documentation of work performed.

G. Defect Reporting

Defect Reports generated through any of the above-mentioned inspection programs will be prioritized for correction by the Sewer Division Manager and Public Works Director. Any defects which have the potential for catastrophic failure and thus create a Class 1 or Class 2 SSO should be evaluated immediately and discussed with the Public Works Director for repair. Repair methods may include:

i. Spot Excavation Repairs
ii. Spot Band Repairs
iii. Segment Excavation Replacements
iv. Segment Lining
v. Manhole Rehabilitation

When a defect is not flagged for immediate repair, it should be considered for placement on the “hot spot” list. This will allow for vigilant maintenance to avoid failure and a subsequent SSO. Defect reports should be used in the budget process to determine what financial allocation should be made in the next budget year. The Sewer

Division Manager should include outstanding defects in the annual report.

8. Damage Identification

The identification of system damage which may result in an SSO or basement backup is important to prevent harm to the environment, public health or economy. Identification of damage may be from either internal activities or external activities.

Internal activities which may result in the identification of damage and generation of a Defect Report include the following:

1. Collections Maintenance Activities
2. CCTV Inspection Activities
3. Manhole Inspection Activities

External activities which identify damages include:

1. Contractor Notification of Damage
2. Directional Drilling Notification of Damage
3. Public Damage Complaints

All three of these notifications generally require immediate response. Staff should respond and evaluate the seriousness of the damage and the effect on the environment. Damages which include a release to the environment should be handled in accordance with the SORP. Damages which cause a basement backup should trigger the Basement Backup program. Damages which remain in the trench should be deminimus and do not require more action than the repair of the damage.

Whatever the cause of collection system damage, the response should be expeditious to prevent environmental or economic harm. Staff should consider all damages an emergency until it is shown by inspection to be a lower priority.

9. Damage Response

When damage occurs in the collection system, the following actions help define the path staff should take. These action plans are not inclusive of all options available but are indicative of the types of response that may be taken.

1. Stable Damage

Inspection activities may show system damage which has been there for an extended period of time. Such damage may not require immediate

action but may be postponed for a period of time. When stable damage is identified, a defect report should be prepared. An example of stable damage could be a crack in a pipeline or a severely misaligned lateral connection where infiltration is occurring.

2. Unstable Damage

Unstable damage is damage which has a high likelihood that failure will occur in the near future. Such damage may be a broken pipe with exposed soil or a line which has complete crown corrosion. In these cases, action should be taken as soon as the necessary resources are available. When such unstable damage is identified, if possible, consideration should be given to trench-less repairs which may be able to be completed quicker than standard excavation. Immediately after identification the Public Works Director should be contacted to review and take care of budget considerations.

3. Immediate Damage

When a contractor or others damage a collection line such that the line is no longer capable of functioning as a sewer, this immediate damage must be handled expeditiously. Such damage allows untreated waste water to pool in the excavation site, spill into the environment or possibly backup into a basement. Under such conditions priority should be given to immediate repair. Since excavation damage may be the result of either contractor negligence or failure of Nibley City to adequately protect the line by appropriately following the Damages to Underground Utilities Statute 54-8A, priority should be given to effecting a repair and not to determining the eventual responsible party.

As can be determined from the above action plans, priority should always be preventing SSOs and attendant environmental damage, to prevent basement backups and financial impacts, and to prevent public health issues.

8. Sewer Overflow Response Plan

In the event that an SSO is reported in the Nibley City Sewer System, the following procedures shall be followed.

A. Response Activities
B. General Notification

C. Agency Notification and Reporting Requirements
D. Public Notification
E. Overflow Clean Up
F. Corrective Action

A. Response Activities

There are specific steps that should be followed once a notification is received that an SSO may be occurring. The following table outlines actions that will be taken when Nibley City receives notice that a possible SSO has or is occurring.

Basement Backup	● Notify responsible position ● Make determination of whether the problem is in the main or the lateral ● Remove blockage if in main ● Provide residence with policy
SSO to Environment	● Notify responsible position ● Remove blockage ● Notify appropriate regulatory authorities based on class of overflow ● Initiate cleanup ● Determine long term corrective action if need

B. General Notification

When a Class 1 SSO occurs specific notification requirements are needed. In such cases the following Notification procedure should be followed and documented. Failure to comply with notification requirements is a violation of R317-.

C. Agency Notification and Reporting Requirements

Both the State of Utah Division of Water Quality and the local health department should be immediately notified when an overflow is occurring. Others that should be notified are affected property owners and the Utah Division of Emergency Response and Remediation (if hazardous materials are involved). The initial notification must be given within 24 hours. However, attempts should be made to notify the agencies as soon as possible so they can observe the

extent of the issue while the problem is happening. A notification form is provided in Appendix A.

Whenever sanitary sewage leaves the confines of the piping system, immediate action is necessary to prevent environmental, public health or financial damage from occurring. In addition, quick action is normally needed to mitigate damage which may have already occurred. For the purpose of this section, the following are part of the emergency action plan.

1. Basement backups
2. Sanitary sewer overflows
3. Sanitary sewer breaks which remain in the trench
4. Sewer lateral backups

Class 1 SSOs, caused by Items 1 & 2 (Basement backups and SSOs) above should be reported. Class 2 SSOs caused by items 1 & 2 above should be documented and reported in the annual SSMP report and included in the Municipal Wastewater Planning Program submitted to the State.

Item 3 (breaks in trench) may be reported if, in the opinion of the responsible staff member, there is potential for a public health issue. An example of where a public health issue may be present is when an excavator breaks both a sewer and a water line in the same trench. In such cases, the local health department representatives should be contacted, and the situation explained. If the health representative requests further action on the part of Nibley City, staff should try and comply. If, in the opinion of the responsible staff member, the health department request is unreasonable, the Public Works Director should be immediately notified. Care should always be taken to err on the side of protecting public health over financial considerations.

Staff member responding to an SSO caused by item 4 (lateral backup) above, should follow the Basement Backup Program procedures, established by Nibley City. Lateral backups, while the responsibility of the property owner, should also be treated as serious problems.

After an SSO has taken place and the cleanup has been completed, a written report of the event should be submitted to the State DEQ within five days, unless waived. This report should be specific and should be inclusive of all

work completed. If possible the report should also include a description of follow up actions such as modeling or problem corrections that have or will take place.

D. Public Notification

When an SSO occurs and the extent of the overflow is significant and the damage cannot be contained, the public shall be notified through proper communication channels. Normally the local health department will coordinate such notification. Should Nibley City need to provide notification it could include utilizing the Cloud Speaker system, press releases to local news agencies, publication in an area paper, and leaflets delivered to homeowners or citizens in the area of the SSO. Notification should be sufficient to ensure that the public health is protected. When and if Federal laws are passed concerning notification requirements, these legal requirements are incorporated by reference in this document. In general, notification requirements should increase as the extent of the overflow increases.

E. Overflow Cleanup

When an overflow happens, care should be taken to clean up the environment to the extent feasible based on technology, good science and financial capabilities. The responsible staff member, in conjunction with the State DEQ, the local health department and the owner of real property, should direct activities in such a manner that they are all satisfied with the overall outcomes. If, during the cleaning process, the responsible staff member believes the State or the County is requesting excessive actions, the Public Works Director should be contacted.

F. Corrective Action

All SSOs should be followed up with an analysis as to cause and possible corrective actions. An SSO which is the result of grease or root plug may be placed on the preventative maintenance list for more frequent cleaning. Serious or repetitive plugging problems may require reconstruction of the sewer lines. An overflow resulting from inadequate capacity should be followed by additional system modeling and either flow reduction or capacity increase. If a significant or unusual weather condition caused flooding which was incorrectly introduced to the sanitary sewer system, the corrective action may include working with other agencies to try and rectify the cross connection from the storm sewer to the sanitary sewer or from home drainage systems and sump

pumps to the sainitary sewer. Finally, should a problem be such that it is not anticipated to reoccur, no further action may be needed.

9. Sewer Design Standards

Incorporated by reference in this section are the sanitary sewer design standards for Nibley City. These design standards are intended to be used in conjunction with Utah Administrative Code R317-. Where a conflict exists between these two standards, the Administrative Code shall prevail.

10. Grease, Oil and Sand Management Program

Nibley City waste water is treated by Logan City. Per the current treatment agreement with Logan City, industrial and commercial users are required to allow random, unannounced on-site inspections of pre-treatment facilities, conducted by Logan City staff. Nibley informs Logan City once every month of any new industries, businesses and other commercial entities that could discharge materials subject to pre-treatment standards. All commercial and industrial entities that could discharge materials subject to pre-treatment permits from Logan City, shall obtain such permit from the Logan City Environmental Division before Nibley will issue building permits and licenses to do business in Nibley. The Pre-Treatment program is not administered by the Wastewater Division, but is administered by the Logan City Environmental Department. More information concerning the program can be found by clicking on the following link(Pre-Treatment) or on their website at:
http://www.loganutah.org/Environmental/Waste%20Waste%20Treatment/

11. System Evaluation and Capacity Assurance Plan (SECAP)

Nibley City believes that one of the keys to preventing sanitary sewer overflows is to evaluate system capacity and to monitor flows throughout the system in order to ensure that capacities are not exceeded. Should a collection sub-system exceed the capacity of the pipes, the system will be immediately re-evaluated and corrective action taken. The following elements are all part of Nibley City SECAP program.

A. Initial Capacity Modeling and Master Planning
B. Flow Monitoring
C. Surcharge Flow Analysis
D. Re-evaluation Modeling and Analysis
E. Capacity Increase Evaluation and Implementation

F. System Improvement Prioritization
G. Capital Improvement Plan

A. Initial Capacity Evaluation

Nibley City performed an analysis and modeling of each critical subsystem contained within its collection system in 2015. Subsystems are segregated based on the branching of the collection system. Trunk lines and collector lines are evaluated until the system reaches a point where less than 400 residential dwelling unit equivalents (RE) are upstream of that point in the system. The 400 RE point was chosen based on the minimum slope requirements of the State of Utah. An 8-inch pipe constructed on minimum slope will carry the flow from 400 RE based on 3.2 persons per dwelling unit, 75 gpcd and a peaking factor of 4. The RE equivalent is based typical Utah information and assumes the peaking factor will account for a reasonable amount of inflow and infiltration. If an area is known to have, or flow metering identifies, a significant amount of inflow and infiltration, additional evaluation will be needed. In these areas the capacity of an 8-inch pipe system may be significantly reduced below 400 RE.

B. Flow Monitoring

Flows are continuously monitored at the Hansen Lift Station, which is the end of the Nibley City Collection System. Flow monitoring at this location will play a key role in identifying the scale of I&I issue. This can be accomplished by observing and periodically comparing the current nighttime flows to historical nighttime flows. An increase in the night time flow from the historical flows indicates that more I&I is occurring. Through inspection and maintenance of the system, Nibley City will work to maintain and reduce if possible the current levels of nighttime flow, limiting, to the extent possible, I&I, maximizing the capacity of existing system pipes, and minimizing the power costs to pump waste water.

Monitoring system locations other than the Hansen Lift Station, will require Nibley City to rent the equipment and/or contract with an outside entity to conduct the flow monitoring.

C. Surcharge or SSO Condition

Evaluation of a surcharge or SSO may result in multiple conclusions, some of which may require further action. Possible conclusions and their further action are listed below. This list is not inclusive nor does it require the specific action detailed. These are given as possible examples and will be used by the Public Works

Director to determine correct future action.

i. Flow Reduction Evaluation

Should excessive flows be identified during the surcharge analysis, the solution may be to proceed with an inflow and infiltration study with the ultimate goal of reducing flows. These flow reductions may be achieved by reconstruction of specific areas, internal spot repairs, removing illegal storm water or sump pump connections from homes or storm water systems, and system grouting. Tools used in flow reduction may include extensive in line camera inspection, dye testing, and increased inspection or flow monitoring.

ii. Foreign Objects or Obstructions

There are multiple foreign objects which may be found in sewers. These may include objects knocked into sewers during construction, objects illegally placed in sewer manholes, roots, grease and soaps, bellies in piping systems, etc. Each of these problems should be found during the investigation of a surcharge condition or SSO and a plan developed to ensure the problem does not reoccur. Types of action may include increased cleaning frequency, spot repairs, greater pretreatment activity, lining of pipes, and other corrective actions which resolve the problem.

iii. Allowable Surcharging

Some piping systems may be able to accept surcharges without creating problems. Such systems may be deep and surcharging occurs below the level of basements or manhole rims, or they may be in areas where there are no connections. In such cases the resolution of the observed surcharge may just be additional monitoring.

D. Revised System Modeling

Where piping system problems cannot be resolved in a less expensive way, the system may be further modeled to determine upgrade needs. Modeling should include known flow information and future projections. Since the system has been shown to have problems, further modeling should be more conservative in flow projections. Revised modeling should follow the guides given next.

E. Re-evaluation Modeling and Analysis

Nibley City sewer system modeling will be conducted by the City Engineer.

Modeling will be comprehensive and include all potential flow sources. While the current area zoning and land use planning should be used in the model development, care should be taken to discuss possible changes with appropriate officials. Where possible zoning changes appear likely, the model should be re-run with the revised zoning alternatives. Once a resolution has been selected, the resulting project should be placed on the capital improvement plan (CIP).

F. Capacity Increase Evaluation and Implementation

When the system requires additional capacity, the project will be engineered for expansion by qualified staff or engineering consultants. Project design should be based on acceptable engineering standards and should comply with State of Utah regulations found in R317-. Easements should be obtained, where needed and the design should include an analysis of other utilities in the vicinity. Design review should be done by the applicable regulatory agency, as appropriate. A design report should be prepared for each project. Where appropriate, the subsystem modeling may be substituted for the design report.

Finalized projects should be placed on the CIP.

G. System Improvement Prioritization

The priority for improvement should follow the following general guidelines:

i. High Priority Projects

When there is significant potential for sanitary sewer overflows, or frequent basement backups, the improvement should be considered a high priority and any available budget should be allocated to the project.

ii. Medium Priority Projects

Where the problem is infrequent and the possibility exists that it may not repeat in the near future, the priority for correction is medium. Medium priority projects may be delayed until appropriate budget is available or the priority is adjusted to high priority. Should an SSO or basement backup repeat in the same area, the priority should be immediately revised.

iii. Low Priority Projects

If the observed problem is infrequent, there is possibility that it may not repeat in the near future and the possibility that increased flow in the subsystem is

low, the correct priority is low. Low priority projects will be placed in the budget process and evaluated against other needs. These projects will eventually be completed, but the work is not prioritized above plant and equipment needs.

H. Capital Improvement Plan

The CIP is part of Nibley City's budgeting process to ensure sufficient revenue to address identified weaknesses in the sanitary sewer system. Items which have been identified as needing a structural fix are placed on the CIP list and the cost for each estimated. Sources of funding should be identified for all high priority projects so that SSOs or other failures do not re-occur. Forecasts of available funding for medium and low priority projects should be made to facilitate future revenue needs.

12. SSMP Monitoring and Measurement Plan

The purpose of a SSMP Monitoring and Measurement Plan is to provide appropriate monitoring and measurement of the effectiveness of the SSMP in its entirety.

Nibley City intends to maintain appropriate records of operations and maintenance of the sanitary sewer system to validate compliance with this SSMP. However, failure to meet standards set by State DWQ or other regulatory agencies during an inspection does not constitute a violation of the SSMP. Rather, deficiencies identified during inspections should be viewed as an opportunity for improvement.

Operations records that should be maintained include the following:

1. Cleaning
2. CCTV inspection
3. Manhole inspection
4. "Hot spot" maintenance
5. Spot repairs
6. Major repairs
7. System capacity information
8. SSO or basement backup records
9. Notification of agencies
10. Capital Improvement Plan

Records will be maintained by the Sewer Division Manager in a central location. Records may be maintained either on an electronic record or as a paper record. The extent of the record should be sufficient to demonstrate the activity recorded was completed appropriately.

Periodically, but not less than annually, Nibley City should assess and audit the effectiveness of the elements of this SSMP. All elements should be reviewed for effectiveness as well as all records should be reviewed for completeness. An internal audit report should be prepared preferably annually but no less than once every five years which comments on the following:

1. Success of the operations and maintenance program
2. Success of other SSMP elements
3. Adequacy of the SECAP evaluations
4. Discussion of SSOs and the effectiveness of the response to the event including corrective action
5. Review of Defect reports and adequacy of response to eliminate such defects
6. Opportunities for improvement in the SSMP or in SSO response and remediation

The annual audit report need not be extensive or long. It should, however be sufficient to document compliance with the standards set in the SSMP. The audit reports should be maintained in accordance with the Nibley City's records retention schedule.

When a plan deficiency is identified though an audit, inspection or plan review, and the deficiency requires an SSMP update, the plan may be updated at the discretion of the Sewer Division Manager. SSMP updates should be recorded in a revision index maintained by the Sewer Division Manager.

At least annually in the internal audit and more frequently as needed, Nibley City will evaluate SSO trends based on frequency, location and volume. Trend evaluation will be empirical unless a large number occur sufficient to make a statistical analysis viable. If a trend is identified, a corrective action may be appropriate.

Nibley City will reach out to the public about the development, implementation and performance of the SSMP. This communication may be accomplished by any of the following methods:

1. Public hearings
2. Public meetings
3. Newsletters
4. Direct mailing
5. Leaflets
6. Other effective methods

Nibley City will accept comments, either written or verbal and will review such comments for applicability. Public interest may be difficult to generate, but should be sought, nonetheless.

13. Sanitary Sewer System Mapping

Mapping is done in a Geographical Information System (GIS) and is maintained by Nibley City. Upon completion of a subdivision by a developer, or a project by the City, the Public Works Director will incorporate the infrastructure constructed into the GIS.

14. Basement Backup Program

Basement backups are a serious impact on a home or business owner. As such, all reasonable efforts should be taken to prevent such backups from occurring. Sewer system backups are the result of several system problems. Such problems include any one or a combination of the following:

1. Laterals serving real properties are owned by the property owner and lateral maintenance is their responsibility. Roots, low points, structural failure, and grease are primary problems lateral owners face.

2. Backups caused by main line plugs are usually caused by roots, grease, low points, foreign objects and contractor negligence.

3. Piping system structural damage may cause basement backups. Such structural problems include age or deterioration damage, installation damage, excavation damage and trench-less technology damage.

4. Excess flow problems may surcharge a piping system and cause backups into homes. Excess flows usually occur when major storm waters inflow into sanitary sewers. Sanitary sewers are not designed for such flow. In addition, some homeowners may illegally connect foundation drains and

sump pumps to the sanitary sewer system.

Basement Backup Response

When Nibley City is notified about a basement backup, staff will log the complaint in the City work order system, and dispatch a crew to investigate immediately. All backup complaints shall be investigated by staff. Upstream and downstream manholes will be inspected to determine if the backup is occurring in the mainline. Then, if possible, the City inspect the mainline via CCTV. If the investigation determines that the case of the backup is only in the lateral, staff will inform the property owner of their findings. However, per City policy, personnel are not allowed to advise individuals or entities on cleanup or repair of their facilities. The individual should seek out restoration service companies on their own.

When it is determined that the basement backup is the result of a mainline problem, Nibley City will follow the policy approved by its governing authority, which is that personnel are prohibited from giving advice concerning the problem. Personnel can give a copy of Nibley's document entitled "Sewer backed Up? Here's What to Do" included in Apendix A. Nibley City does not accept liability nor does it waive its governmental immunity. If the owner feels that they need to make a claim against the City, they may file their claim at City Hall.

Backup Prevention Design Standard

Nibley City promotes system designs which minimize backups and ensure proper operations. To this end Nibley City has a design standard for all system construction. In addition, Nibley City complies with state design standards contained in R317-.

16. Policy on the Installation of Back Flow Valves

Reference Regulatory Documents:

The following regulations are referenced in the establishment of this policy:

- Utah Code Title 15A-2-103(c). This code section adopts the International Plumbing Code.
- The International Plumbing Code, section 715 Sewage Backflow.

Nibley City Policy:

- The State of Utah has adopted the International Plumbing Code(IPC) as its plumbing building standard;
- Nibley City use the IPC as their statute for plumbing construction and installation;
- And the IPC requires the installation of a sewage backwater valve “where the overflow rim of the lowest plumbing fixtures are below the next upstream manhole in the public sewer.”

Therefore, for new construction, Nibley City requires the installation of backwater valves as stipulated by the IPC already propagated for all new construction.

Appendix A

1. SSO Notification Form
2. Sewer Defect Report Form
3. Lift Station Inspection Form
4. Sewer Backed Up? Here's what to do

SSO Notification Form

Location of SSO:_____ Date:_____

Agency	Phone Number	Contact Made Yes/No	Time	Remarks
Utah DWQ	801-536-4300 or 801-231-1769			
Bear River Health Dept.	435-792-6500			
Utah DERR	801-536-4123			
Local Police Department	435-753-7555			
Local Fire Agency	435-755-1670			
US EPA Region VIII	Consult with DWQ			

Other Contacts:

Contact Made With	Phone Number	Contact Made Yes/No	Time	Remarks

_____

Sewer Division Manager Date

Sewer Defect Report Form

Location of SSO:_____ Date:_____

Identified By:_____

Description:

Urgency of Needed Corrective Action:

- ❑ Immediate Action Required
- ❑ Repair or Correct Soon
- ❑ Problem Stable
- ❑ No Immediate Action Needed

Recommended Remedial Action:

_____

Sewer Division Manager Date

Sewer Backed Up? Here's what to do:

If a Backup Occurs:

First take action to protect people and valuable property. Call Nibley City at 752-0431 and as a service we will check the main sewer line. Any blockages found in the main lines will be promptly cleared. If the main line is not blocked, we recommend that you call a plumbing or sewer contractor to check your lateral line. Maintenance and repair of the lateral serving the home is the owners responsibility. Regardless of the location of the blockage, clean up of the home should be done as soon as possible to minimize damage and possible negative health effects. There are qualified local businesses that specialize in this type of clean up.

Backup Prevention:

Taking notice of what is flushed down toilets and sinks can prevent most backups. DO NOT flush the following materials (or similar items) down toilets/drains. These items can plug the main and cause damage to you and other property owners connected to the sewer.

- Large quantities of toilet paper
- Paper towels
- Feminine napkins (plastic applicators)
- Disposable diapers
- Clothing - socks, underwear, etc.…
- Plastic, metal, wood etc.…
- Large quantities of cereals or grains (they can swell with water)
- Live seeds, beans and peas (they may sprout)
- Grease, fats or oils
- Sand
- Fibrous materials (cotton balls, q-tips, baby wipes, hair rags, cigarette butts, etc.…)
- Sponges, scouring pads or shop rags.

Insurance:

Many homeowners' policies exclude sewer backups but, this coverage often can be added. You should contact your insurance agent for details.

Agenda Item #11

Description	**Discussion & Consideration:** Resolution 24-09—Accepting the 2023 Municipal Wastewater Planning Program Survey (First Reading)
Presenter	Jared Pratt, Water and Wastewater Division Manager
Planning Commission Recommendation	NA
Staff Recommendation	Move to approve Resolution 24-09—Accepting the 2023 Municipal Wastewater Planning Program Survey (waive second reading)
Reviewed By	City Manager, Public Works Director, Water and Wastewater Division Manger

Background

The Utah State Division of Environmental Quality requires municipalities to complete a survey each year to report on the status of the City's wastewater system. The questions in the survey are focused on financial health, planning and maintenance of the system.

The Sewer Department's finances are strong, and the staff does not anticipate any major expenses for the collection system in the immediate future. However, that could change quickly as development occurs. Nibley has been able to avoid many of the problems that other cities face, primarily due to the young age of Nibley's sewer system. Staff routinely inspect and clean the system, to ensure proper function. Staff will present the survey to Council and the public and answer any questions that may arise.

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RESOLUTION 24-09

A RESOLUTION ACCEPTING THE 2023 MUNICIPAL WASTEWATER PLANNING PROGRAM SURVEY ,

WHEREAS, The State of Utah, Municipal Wastewater Management Program requires municipalities to respond to an annual survey ; and

WHEREAS, it is required by the State of Utah, for the Nibley City Council to review and accept the survey answers.

NOW, THEREFORE, IT IS HEREBY RESOLVED BY THE NIBLEY CITY COUNCIL THAT:

1. The attached 2023 Municipal Wastewater Planning Program survey be accepted and submitted to the State.

Adopted by the Nibley City Council this _____ Day of _____, 202.

_____
Larry Jacobsen, Mayor

ATTEST:

_____
Cheryl Bodily, City Recorder

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Fw: Full MWPP Survey - 2024

Jared Pratt <jared@nibleycity.com>

Wed 3/13/2024 10:16 AM

To:Justin Maughan <jm@nibleycity.com>;Steve Eliason <steve@nibleycity.com>;Tom Dickinson <td@nibleycity.com>

Thanks for all your help with this years MWPP Survey.

Jared Pratt
Nibley City Water and Wastewater Manager
435-760-4728
jared@nibleycity.com

From: Google Forms <forms-receipts-noreply@google.com>
Sent: Monday, March 11, 2024 3:52 PM
To: Jared Pratt <jared@nibleycity.com>
Subject: Full MWPP Survey - 2024

Google Forms

Thanks for filling out Full MWPP Survey - 2024

Here's what was received.

Edit response

Full MWPP Survey - 2024

Municipal Wastewater Planning Program survey for 2024.

Email *

jared@nibleycity.com

Section I: General Information

Name of the Facility? *

Nibley City

What is the name of the person responsible for this organization? *

Justin Maughan

What is the title of the person responsible for this organization? *

City Manager

What is the email Address for the person responsible for this organization? *

jm@nibleycity.com

What is the phone number for the person responsible for this organization? *

4357520431

Facility Location? *

Please provide either Longitude and Latitude, address, or a written description of the location (with area or point).

455 W 3200 S, Nibley, UT

Federal Facility Section

Are you a federal facility?

A federal facility is a military base, a national park, a facility associated with the forest service, etc.

- ( ) Yes
- (•) No

Financial Evaluation Section

This form is completed by [name]? *

Jared Pratt

Part I: GENERAL QUESTIONS

Please answer the following questions regarding GENERAL QUESTIONS.

Are sewer revenues maintained in a dedicated purpose enterprise/district account?

- (•) Yes
- ( ) No

Are you collecting 95% or more of your anticipated sewer revenue? *

- (•) Yes
- ( ) No

Are Debt Service Reserve Fund requirements being met?

- (•) Yes
- ( ) No

Where are sewer revenues maintained?

- [ ] General Fund
- [ ] Combined Utilities Fund
- [x] Other

What was the average annual User Charge for 2023?

If there is more than one rate divide the total municipal yearly User Charge collected, by the total number of connections.

660

Do you have a water and/or sewer customer assistance program (CAP)?

- ( ) Yes
- (•) No

Part II: OPERATING REVENUES AND RESERVES

Please answer the following questions regarding OPERATING REVENUES AND RESERVES.

Are property taxes or other assessments applied to the sewer systems?

- ( ) Yes
- (•) No

Revenue from these taxes =

Are sewer revenues sufficient to cover operations & maintenance costs, and repair & replacement costs (OM&R) at this time?

- (●) Yes
- ( ) No

Are projected sewer revenues sufficient to cover operation, maintenance, and repair (OM&R) costs for the next five years?

- (●) Yes
- ( ) No

Does the sewer system have sufficient staff to provide proper OM&R?

- (●) Yes
- ( ) No

Has a repair and replacement sinking fund been established for the sewer system?

- ( ) Yes
- (●) No

Is the repair & replacement sinking fund sufficient to meet anticipated needs?

- ( ) Yes
- (●) No

Part III: Capital Improvements, Revenues and Reserves.

Please answer the following questions regarding Capital Improvements, Revenues and Reserves.

Are sewer revenues sufficient to cover all costs of current capital improvements projects?

- (●) Yes
- ( ) No

Has a Capital Improvements Reserve Fund been established to provide for anticipated capital improvement projects?

- ( ) Yes
- (●) No

Are projected Capital Improvements Reserve Funds sufficient for the next five years?

- (●) Yes
- ( ) No

Are projected Capital Improvements Reserve Funds sufficient for the next ten years?

- ( ) Yes
- (●) No

Are projected Capital Improvements Reserve Funds sufficient for the next twenty years?

- ( ) Yes
- (●) No

Part IV: FISCAL SUSTAINABILITY REVIEW

Please answer the following questions regarding FISCAL SUSTAINABILITY REVIEW.

Have you completed a rate study within the last five years?

- (●) Yes
- ( ) No

Do you charge Impact fees?

- (●) Yes
- ( ) No

Impact Fee (if not a flat fee, use average of all collected fees) =

$1725

Have you completed an impact fee study in accordance with UCA 11-36a-3 within the last five years?

- (●) Yes
- ( ) No

Do you maintain a Plan of Operations?

- (●) Yes
- ( ) No

Have you updated your Capital Facility Plan within the last five years?

- (●) Yes

- [ ] No

In what year was the Capital Facility Plan last updated?

2021

Do you use an Asset Management system for your sewer systems?

- [x] Yes
- [ ] No

Do you know the total replacement cost of your sewer system capital assets?

- [ ] Yes
- [x] No

Replacement Cost =

Do you fund sewer system capital improvements annually with sewer revenues at 2% or more of the total replacement cost?

- [ ] Yes
- [x] No

What is the sewer/treatment system annual asset renewal cost as a percentage of its total replacement cost?

Describe the Asset Management System.

Check all that apply

- [ ] Spreadsheet
- [x] GIS
- [x] Accouting Software
- [ ] Specialized Software

Please answer the following: - 2023 Capital Assets Cumulative Depreciation?

unknown

Please answer the following: - 2023 Capital Assets Book Value?

Book Value = total cost - accumulated depreciation

unknown

Part V: PROJECTED CAPITAL INVESTMENT COSTS

Please answer the following questions regarding PROJECTED CAPITAL INVESTMENT COSTS.

Cost of projected capital improvements - Please enter a valid numerical value. - 2023?

unknown

Cost of projected capital improvements - Please enter a valid numerical value. - 2024 through 2028?

$2,034,000

Cost of projected capital improvements - Please enter a valid numerical value. - 2029 through 2033?

$1,941,000

Cost of projected capital improvements - Please enter a valid numerical value. - 2034 through 2038?

$6,853,000

Cost of projected capital improvements - Please enter a valid numerical value. - 2039 through 2043?

unknown

Purpose of Capital Improvements - 2023?

Check all that apply.

- [ ] Replace/Restore
- [ ] New Technology
- [ ] Increased Capacity

Purpose of projected Capital Improvements - 2024 through 2028?

Check all that apply.

- [ ] Replace/Restore

- [ ] New Technology
- [x] Increased Capacity

Purpose of projected Capital Improvements - 2029 through 2033?

Check all that apply.

- [ ] Replace/Restore
- [ ] New Technology
- [x] Increased Capacity

Purpose of projected Capital Improvements - 2034 through 2038?

Check alll that apply.

- [ ] Replace/Restore
- [ ] New Technology
- [x] Increased Capacity

Purpose of projected Capital Improvements from 2039 through 2043?

Check all that apply.

- [ ] Replace/Restore
- [ ] New Technology
- [x] Increased Capacity

To the best of my knowledge, the Financial Evaluation section is completed and accurate.

- (•) True
- ( ) False

Note: This questionnaire has been compiled for your benefit to assist you in evaluating the technical and financial needs of your wastewater systems. If you received financial assistance from the Water Quality Board, annual submittal of this report is a condition of the assistance. Please answer questions as accurately as possible to give you the best evaluation of your facility. If you need assistance please send an email to wqinfodata@utah.gov and we will contact you as soon as possible. You may also visit our Frequently Asked Questions page.

Do you have a collection system?

The answer to this question is obvious in most cases, but for clarification, some wastewater systems consist of only wastewater collections (answer Yes). Some wastewater systems do not have a collection system but receive wastewater from separate collection system jurisdictions (answer No). Some wastewater systems have treatment and collections and consider their entire system as one entity (answer Yes). Some wastewater systems have treatment and collections, but consider their collections a separate entity from treatment (answer No). If you have treatment but have an independent collection system and you answered "No," you must enter your collection system separately as an independent response to the survey.

- (●) Yes
- ( ) No

Collection System

The collection of wastewater in a system of pipes and possibly pump stations that deliver wastewater to a treatment system that may or may not be independent of the treatment system.

This form is completed by [name]?

The person completing this form may receive Continuing Education Units (CEUs).

Jared Pratt

Part I: SYSTEM DESCRIPTION

Please answer the following questions regarding SYSTEM DESCRIPTION.

What is the largest diameter pipe in the collection system?

Please enter the diameter in inches.

21

What is the average depth of the collection system?

Please enter the depth in feet.

12

What is the total length of sewer pipe in the collection system?

Please enter the length in miles.

35.25 miles

How many lift/pump stations are there in the collection system?

3

What is the largest capacity lift/pump station in the collection system?

Please enter the design capacity in gpm.

1688

Do seasonal daily peak flows exceed the average peak daily flow by 100 percent or more?

- ○ Yes
- ◉ No

What year was your collection system first constructed (approximately)?

2003

In what year was the largest diameter sewer pipe in the collection system constructed, replaced or renewed?

If more than one, cite the oldest.

2003

Part II: DISCHARGES

Please answer the following questions regarding DISCHARGES.

How many days last year was there a sewage bypass, overflow or basement flooding in the system due to rain or snowmelt?

0

How many days last year was there a sewage bypass, overflow or basement flooding due to equipment failure (except plugged laterals)?

0

Sanitary Sewer Overflow (SSO)

Class 1 - a Significant SSO means a SSO backup that is not caused by a private lateral obstruction or problem that:
(a) affects more than five private structures;
(b) affects one or more public, commercial or industrial structure(s);
(c) may result in a public health risk to the general public;
(d) has a spill volume that exceeds 5,000 gallons, excluding those in single private structures; or
(e) discharges to Waters of the State.

Class 2 - a Non-Significant SSO means a SSO or backup that is not caused by a private lateral obstruction or problem that does not meet the Class 1 SSO criteria

What is the number of Class 1 SSOs in Calendar year 2023?

0

What is the number of Class 2 SSOs in Calendar year 2023?

0

Please indicate what caused the SSO(s) in the previous question.

Please specify whether the SSOs were caused by contract or tributary community, etc.

Part III: NEW DEVELOPMENT

Please answer the following questions regarding NEW DEVELOPMENT.

Did an industry or other development enter the community or expand production in the past two years, such that flow or wastewater loadings to the sewerage system increased by 10% or more?

- ○ Yes
- ◉ No

Are new developments (industrial, commercial, or residential) anticipated in the next 2 - 3 years that will increase flow or BOD5 loadings to the sewerage system by 25% or more?

- ○ Yes
- ◉ No

What is the number of new commercial/industrial connections in 2023?

0

What is the number of new residential sewer connections added in 2023?

75

How many equivalent residential connections are served?

2224

Part IV: OPERATOR CERTIFICATION

Please answer the following questions regarding OPERATOR CERTIFICATION.

How many collection system operators do you employ?

6

What is the approximate population served?

7926

State of Utah Administrative Rules require all public system chief operators considered to be in Direct Responsible Charge (DRC) to be appropriately certified at no less than the Facility's Grade. List the designated Chief Operator/DRC for the Collection System by: First and Last Name, Grade, and email.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Jared Pratt, Grade IV, jared@nibleycity.com

Please list all other Collection System operators with DRC responsibilities in the field, by name and certification grade. Please separate names and certification grade for each operator by commas.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Please list all other Collection System operators by name and certification grade. Please separate names and certification grades for each operator by commas.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Austin Kimball, Grade II, Steve Eliason, Grade III, Tom Dickinson, Grade III, Rod Elwood, Grade II, Justin Maughan, Grade IV

Is/are your collection DRC operator(s) currently certified at the appropriate grade for this facility?

- (●) Yes
- ( ) No

Part V: FACILITY MAINTENANCE

Please answer the following questions regarding FACILITY MAINTENANCE.

Have you implemented a preventative maintenance program for your collection system?

- (●) Yes
- ( ) No

Have you updated the collection system operations and maintenance manual within the past 5 years?

- (●) Yes

- [ ] No

Do you have a written emergency response plan for sewer systems?

- [x] Yes
- [ ] No

Do you have a written safety plan for sewer systems?

- [ ] Yes
- [x] No

Is the entire collections system TV inspected at least every 5 years?

- [ ] Yes
- [x] No

Is at least 85% of the collections system mapped in GIS?

- [x] Yes
- [ ] No

Part VI: SSMP EVALUATION

Please answer the following questions regarding SSMP EVALUATION.

Have you completed a Sewer System Management Plan (SSMP)?

- [x] Yes
- [ ] No

Has the SSMP been adopted by the permittee's governing body at a public meeting?

- [x] Yes
- [ ] No

Has the completed SSMP been public noticed?

- [x] Yes
- [ ] No

SSMP Public Notice Date

Date of public notice?

MM DD YYYY

03 / 17 / 2016

Continue 1

During the annual assessment of the SSMP, were any adjustments needed based on the performance of the plan?

- [x] Yes
- [ ] No

What adjustments were made to the SSMP (i.e. line cleaning, CCTV inspections, manhole inspections, and/or SSO events)?

Camera entire City with in 6 years; clean every 4, manhole visual inspection yearly; perssonel contacts

During 2023, was any part of the SSMP audited as part of the five year audit?

- [x] Yes
- [ ] No

If yes, what part of the SSMP was audited and were changes made to the SSMP as a result of the audit?

Camera entire city every 6 years; clean entire system in 4, manhole visual inspection yearly, updated personel contacts

Have you completed a System Evaluation and Capacity Assurance Plan (SECAP) as defined by the Utah Sewer Management Plan?

- [ ] Yes
- [x] No

Part VII: NARRATIVE EVALUATION

Please answer the following questions regarding NARRATIVE EVALUATION.

Describe the physical condition of the sewerage system: (lift stations, etc. included)

Relatively new system in good working order.

What sewerage system capital improvements does the utility need to implement in the next 10 years?

Regional lift station for the south west area of town.

What sewerage system problems, other than plugging, have you had over the last year?

Infiltration issues, lift station SCADA repairs, plugged sewer pump due to disposable wipes.

Is your utility currently preparing or updating its capital facilities plan?

- (●) Yes
- ( ) No

Does the municipality/district pay for the continuing education expenses of operators?

- (●) 100%
- ( ) Partially
- ( ) Does not pay

Is there a written policy regarding continued education and training for wastewater operators?

- (●) Yes
- ( ) No

Do you have any additional comments?

Education and training is included yearly in our council approved budget.

To the best of my knowledge, the Collections System section is completed and accurate

- (●) True
- ( ) False

Note: This questionnaire has been compiled for your benefit to assist you in evaluating the technical and financial needs of your wastewater systems. If you received financial assistance from the Water Quality Board, annual submittal of this report is a condition of the assistance. Please answer questions as accurately as possible to give you the best evaluation of your facility. If you need assistance please send an email to wqinfodata@utah.gov and we will contact you as soon as possible. You may also visit our Frequently Asked Questions page.

Wastewater Treatment Options

You have either just completed or just bypassed questions about a Collection System. This section (the questions below) determines the next set of questions that you will be presented based on the choice you make for treatment.

What kind of wastewater treatment do you have in your wastewater treatment system?

If you have treatment, you must choose from Mechanical Plant, Discharging Lagoon, or Non-Discharging Lagoon. If you don't have treatment then choose "No Treatment." Choose only one answer.

- ○ Mechanical Plant
- ○ Discharging Lagoon
- ○ Non-Discharging Lagoon
- ◉ No Treatment of Wastewater

Adopt & Sign

I have reviewed this report and to the best of my knowledge the information provided in this report is correct. *

- ◉ True
- ○ False

Has this been adopted by the City Council or District Board? *

- [ ] yes
- [x] No

Not Adopted by Council

What date will it be presented to the City Council or District Board? *

MM DD YYYY

04 / 11 / 2024

End of Survey

This is the end of the survey. Please make sure you have submitted your responses for each section. Thank you for your participation.

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Agenda Item 12 & 13

Description	**Public Hearing**: Ordinance 24-05: Amending 11.02.040 Parking Regulations--Including Adjustments to Limited Winter Parking and Parking-At-Curb Regulations **Discussion & Consideration**: Ordinance 24-05: Amending 11.02.040 Parking Regulations—Including Adjustments to Limited Winter Parking and Parking-At-Curb Regulations (First Reading)
Presenter	Levi Roberts, City Planner
Staff Recommendation	Move to Approve Ordinance 24-05: Amending 11.02.040 Parking Regulations--Including Adjustments to Limited Winter Parking and Parking-At-Curb Regulations
Reviewed By	Mayor, City Manager, City Planner, Public Works

Background

NCC 11.02.040 includes parking regulations, including limiting winter parking, primarily to facilitate safe and effective snow plowing during winter storm events. This past winter, City Staff enforced this parking ordinance, in coordination with Cache County Sheriff Department. This Staff level enforcement was possible due to recent changes in State and City Code, which allow administrative enforcement of the City's Codes. In the process of enforcement and in speaking with snow plow drivers, Staff identified the following issues with the existing ordinance:

1. The 12:00 AM – 6:00 AM restriction leaves out some of the heaviest time for snow plowing. Extending this time by 2 hours until 8:00 AM would ensure that roads are clear when snow plowing is needed most.
2. The exceptions for 30 minutes for deliveries, doctors on house calls and vehicles used in the repair of utilities make the ordinance more difficult to enforce and introduce potential loopholes.

Staff recommends extending the existing time restriction of 12:00 AM – 6:00 AM to 8:00 AM and removing the exceptions noted above. Both changes will make the ordinance more enforceable, while helping ensure roads are prepared for snow plowing during winter storms.

In addition to these changes, Staff recommends adding a phrase to the parking-at-curb section, clarifying that parking is not allowed in park strips or on sidewalks.

ORDINANCE 24-05

AMENDING 11.02.040 PARKING REGULATIONS--INCLUDING ADJUSTMENTS TO LIMITED WINTER PARKING AND PARKING-AT-CURB REGULATIONS

WHEREAS, Nibley City regulates on-street parking within Nibley City boundaries; and

WHEREAS, limited hours on parking during winter months enable safe and efficient snow plowing of Nibley City streets; and

WHEREAS, parking regulations, including restricting parking on sidewalks and park strips are effective at increasing safety of pedestrians and other road users;

NOW, THEREFORE, BE IT ORDAINED BY THE NIBLEY CITY COUNCIL OF NIBLEY, UTAH THAT:

1. The proposed amendments to NCC 11.02.040 be adopted.
2. All ordinances, resolutions, and policies of the City, or parts thereof, inconsistent herewith, are hereby repealed, but only to the extent of such inconsistency. This repealer shall not be construed as reviving any law, order, resolution, or ordinance, or part thereof.
3. Should any provision, clause, or paragraph of this ordinance or the application thereof to any person or circumstance be declared by a court of competent jurisdiction to be invalid, in whole or in part, such invalidity shall not affect the other provisions or applications of this ordinance or the Nibley City Municipal Code to which these amendments apply. The valid part of any provision, clause, or paragraph of this ordinance shall be given independence from the invalid provisions or applications, and to this end the parts, sections, and subsections of this ordinance, together with the regulations contained therein, are hereby declared to be severable.
4. This ordinance shall become effective upon posting as required by law.

PASSED BY THE NIBLEY CITY COUNCIL THIS _____ DAY OF _____, 2024.

_____
Larry Jacobsen, Mayor

ATTEST: _____
Cheryl Bodily, City Recorder

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11.02.040 Parking Regulations

A. Signs; Erection: The city council may authorize or direct any person employed by the city to erect or install any sign or traffic control device required to enforce the provisions of this chapter.
    1. The City Council may, by resolution designate placement of traffic control devices or signs referenced herein to the Public Works Director.
    2. It shall be unlawful for any person to park or leave standing on any public road, street, alley, or city property any vehicle, trailer, or other obstruction in violation of a duly installed sign or traffic control device.
B. Blocking Streets Or Highways: In addition to the parking provisions contained in the Utah traffic code, as adopted by the city, it shall be unlawful for any person to:
    1. Remain standing, laying or sitting on any street or highway in such a manner as to obstruct the free passage of vehicular or pedestrian traffic thereon.
    2. Willfully remain standing, laying or sitting on any street or highway in such manner for more than one minute after being requested to move by any police officer.
    3. Willfully remain on such street or highway in such manner as to obstruct the free passage of any person or vehicle into or out of any property abutting upon the street or highway or any property having access to such street or highway.
C. Limited Parking:
    1. Parking At Curb: No motor vehicle shall be parked with the left side of the vehicle next to the curb, except on one-way streets. It shall be unlawful to stand or park any motor vehicle in a street other than parallel with the curb and with the two (2) right wheels of the vehicle within twelve inches (12") of the regularly established curb line, except on those streets which have been marked for angle parking; then vehicles shall be parked at the angle to the curb indicated by such marks. Parking on a sidewalk or within a park strip area, between the curb and sidewalk, is prohibited.
    2. Vehicles For Sale: It shall be unlawful to park any vehicle on any street for the purpose of displaying it for sale, or to park any vehicle from which merchandise is peddled on any business street.
    3. Time Limit: Impoundment: It shall be unlawful for any person to park or leave standing on any public road, street, alley or city property any motor vehicle for forty eight (48) or more consecutive hours, and any vehicle so parked or left standing may be impounded or removed by the city's law enforcement agency. For purposes of impoundment and removal, the city's law enforcement agency may impound and remove any motor vehicle which reasonably appears to have remained unmoved for forty eight (48) consecutive hours. The cost of impoundment and removal shall be charged to the owner or any person who claims the impounded motor vehicle.
D. Limited Winter Parking: It shall be unlawful to park any vehicle, trailer or other obstruction on any street in the city between November 1 of each year and April 1 of

the following year between the hours of twelve o'clock (12:00) midnight and eight o'clock (8:00) A.M. For purposes of this subsection, a street shall be within the confines of the curb and gutter, except in those cases where no curb and gutter exists, a street shall be that area bounded by a line twenty feet (20') from the edge of the pavement or within the right of way lines, whichever is less.

E. School Drop Off or Pick Up Prohibited:
    1. It shall be unlawful for any person to park any vehicle or to drop off or pick up children of any age for the purpose of accessing school or educational facilities or property for any reason, in any area designated by signs or other traffic control device as prohibited areas.
F. Penalty: Any person who violates this section shall be guilty of an infraction; and upon conviction, such person shall be subject to a civil penalty as listed on the current approved Consolidated Fee Schedule for each offense.

Agenda Item #14

Description	**Discussion and Consideration -** Approval of a Contract with Sunrise Engineering for Design Services of a New Water Well and Storage Tank
Presenter	Tom Dickinson, City Engineer
Recommendation	Move to award contract with Sunrise Engineering in the amount of **$286,863** for design services of a new water well and storage tank
Reviewed By	City Manager, City Engineer, Public Works Director, Water/Wastewater Manager

Background:

Nibley City's Culinary Water Master Plan provides an outline of existing water system components such as: storage, piping, water rights, and supply sources. The plan also provides recommendations for improvements to the system to supply water and meet the needs of projected growth through 2040. Recommendations noted in the Master Plan provide guidance to ensure the water system meets the minimum level of service required by the State while providing the best value to Nibley City.

The City's water source (well) and storage (tank) capacities have been deemed deficient based on System-Specific Minimum Sizing Standards established by the Department of Environmental Quality, Division of Drinking Water. To meet requirements of the State and to accommodate for projected growth, the Water System Master Plan recommends providing an additional storage (tank) by 2024 and development of additional source capacity by 2025.

In January 2024, staff advertised a Request for Proposal for design services of a new municipal well and 2MG water storage tank. There was great interest from the design community and eight proposals were received. A selection committee of 5 Public Works staff members and 2 elected officials was formed to review the proposals received and make a recommendation on which firm would provide the best value.

Staff reviewed the proposals and were tasked with scoring proposals based on the following criteria:

1. Approach/Methodology and Scope of Work proposed.
2. Project experience of proposing firms.
3. Project Team experience and depth.

4. Value to the City.
5. Fee

Initial scoring excluded consideration of fee and is exhibited in the table below

COMBINED RESULTS OF RANKINGS

Firm	AQUA	CACHE LANDMARK	CRS	FORSGREN	HANSEN ALLEN & LUCE	JONES & DEMILLE	JUB	SUNRISE
Approach/Methodology and Scope of Work (0 to 50 Points)	260	235	313	299	322	337	317	332
Project Experience (0 to 30 Points)	168	190	193	171	199	192	197	203
Project Team (0 to 30 Points)	158	113	170	147	187	182	187	197
Overall Value to the City (0 to 20 Points)	95	98	124	105	121	127	125	126
Fee Proposal (0 to xxx points) after initial scoring	0	0	0	0	0	0	0	0
Total Score	681	636	800	722	829	838	826	858

Sunrise Engineering scored the highest on their proposed Approach and Methodology, Scope of Work, Project Experience, Team Experience, and Value to the City.

The table below shows the fees that were proposed:

Sunrise Engineering	$236,100.00
Cache Landmark	$246,745.00
Forsgren	$253,425.00
J&D	$275,740.75
CRS	$418,879.00
Aqua	$453,260.00
JUB	$473,900.00
HAL	$537,492.20

The table below exhibits the final scoring of proposals after applying scoring for fee. You will notice that the top two scoring firms highlighted in green did not change with the third and fourth scoring firms highlighted in yellow swapped ranking.

COMBINED RESULTS OF RANKINGS

Firm	AQUA	CACHE LANDMARK	CRS	FORSGREN	HANSEN ALLEN & LUCE	JONES & DEMILLE	JUB	SUNRISE
Approach/Methodology and Scope of Work (0 to 50 Points)	260	235	313	299	322	337	317	332
Project Experience (0 to 30 Points)	168	190	193	171	199	192	197	203
Project Team (0 to 30 Points)	158	113	170	147	187	182	187	197
Overall Value to the City (0 to 20 Points)	95	98	124	105	121	127	125	126
Fee Proposal (0 to xxx points) after initial scoring	36	67	39	65	31	60	35	70
Total Score	717	703	839	787	860	898	861	928

References were then checked for the top two scoring firms, Jones & Demille and Sunrise Engineering. Sunrise Engineering references came back with all raving reviews. Calls and emails to Jones & Demille references were not returned.

Sunrise Engineering scored highest on all evaluated criteria and submitted the lowest fee to perform design tasks.

It is the selection committee's recommendation that City Council approve moving forward with a contract for services with Sunrise Engineering in the amount of **$286,863**.

There is a draft contract in the packet for review. The contract will be reviewed and approved by the City Attorney prior to execution.

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SUNRISE ENGINEERING

WORK RELEASE NO. 2024-1 COVER SHEET

NIBLEY CITY CULINARY WELL & 2MG TANK

NIBLEY CITY
455 W 3200 S
NIBLEY, UT 84321

EXECUTION AND EFFECTIVE DATE

This Work Release No. 2024-1 has been executed by the duly authorized representatives of the parties and shall be effective as of the date of execution by CLIENT.

SUNRISE ENGINEERING, LLC	NIBLEY CITY
By: 	By: _____
Name: Scott Archibald	Name: _____
Title: Office Manager	Title: _____
Date: 04/03/2024	Date: _____

WORK RELEASE NO. 2024-1

This Work Release is entered into by and between NIBLEY CITY (CLIENT) and SUNRISE ENGINEERING, LLC (SE).

RECITAL

Pursuant to Article 1 of the Agreement for Engineering and Technical Services, dated the 24th day of October 2023, hereinafter referred to as the "Agreement", CLIENT and SE desire to identify certain services and work to be performed by SE pursuant to the Agreement. CLIENT intends to retain general professional services for which SE agrees to perform various professional services.

ARTICLES

ARTICLE 1. SCOPE OF WORK

CLIENT intends to retain SE to provide engineering services for a Well, Well House, Booster Station, and 2.0 MG Concrete Water Tank (AWWA D115 Tank Type). This Scope of Work covers the work necessary to complete the water system improvements and is in line with the proposal provided to the CLIENT in response to the RFP for the listed water system improvements.

The scope of services will include the following primary activities and tasks.

Phase 1. Preliminary Planning and Engineering Study

Task 1 – Project Kick Off Meeting

SE will conduct a meeting with Nibley City staff and key project personnel from SE to open the project. This step is crucial to help establish the team, general task assignments, and to align the engineering approach presented in this proposal with the vision and desires of Nibley City.

Task 2 – Hydraulic Analysis and Alternative Tank Site Evaluation

SE will use the existing city water model, master plan, and USGS elevation data of the surrounding area to evaluate the three most promising tank sites. If deemed necessary, each potential tank site will be analyzed in the existing water model. Preliminary evaluations suggest that the tank should be built near the 5000-foot elevation to keep the system operating in a similar manner. If the preferred site requires a booster pump station to properly supply water due to elevation differences, this variation will be modeled to determine size and hydraulic impacts. Opinion of probable costs for each alternative will be prepared, showing the different site-specific costs to construct a tank at that location.

Task 3 – Well Siting Study, Preliminary Evaluation Report (PER), and Drilling Start Card

SE will be partnering with Laughlin Water Associates to help in the development of a detailed well-siting study for Nibley City. They will evaluate both existing wells and the natural geology for optimal locations for successful well drilling. Their study will provide guidance as to the location for the proposed well with relationship to the hydrogeology, source protection concerns, and proximity to existing city infrastructure. From this study a drilling plan will be established with anticipated drilling depths and potential confining aquifer identification. An opinion of probable costs for the proposed well will be prepared.

Upon having the well sites selected, SE & Laughlin Water shall prepare a PER for the selected site which will cover all four zones or the entire management area. The PER will be developed in accordance with the "Standard Report Format for New Wells and Springs." In addition, well drilling start cards and permitting approvals (DDW, DWRi, Nibley City, and Cache County) will be obtained. The general four sections of a PER are as follows:

a) Delineation Report for Estimated Drinking Water Source Protection Zones.
b) Inventory of Potential Contamination Sources and Identification and Assessment of Controls.
c) Land Ownership Map - A land ownership map which includes all land within zones one and two or the entire management area.
d) Land Use Agreements, Letters of Intent, or Zoning Ordinances.

Task 4 – Water Rights – Change Application

With the drilling of a new well, there is a series of specific steps involving water rights that must be followed to secure permission for drilling a new culinary water well. SE will review the current water rights and consult with the Utah Division of Water Rights as to the best approach to secure permission to drill the new well. Before submitting any change application, the approach and documents will be reviewed and approved by the CLIENT.

Task 5 – Funding Assistance

This task includes services to assist Nibley City in applying for funding from state/federal agencies. Work assignments may include meetings, completion of funding applications, financial analysis, board meetings, responding to staff funding agencies requests, and correspondence. This assistance will be provided on a time and material basis as directed by the CLIENT. Applications can be made to the following funding agencies: Utah Division of Drinking Water, USDA - Rural Development, and the Bureau of Reclamation (BOR). The BOR has a new grant called the Design & Planning Grant. This grant, if awarded, can pay a minimum of 50% of the design and test well drilling for this project. If a USDA – RD application is made, this contract does not include the creation of a Preliminary Evaluation Report (PER). A PER can be added to the contract at the CLIENT'S request.

Task 6 – Environmental Report

Funding from most state and federal agencies requires the project to be reviewed under the National Environmental Policy Act (NEPA). It is anticipated that an Environmental Assessment (EA) report will be sufficient to meet the NEPA requirements for most funding agencies. If needed, SE can prepare environmental reports. Once the funding package is selected and the final designs are completed, SE will provide costs to prepare the needed environmental approvals.

Phase 2. Data Collection

Task 1 – Property & Topographical Survey

This task includes the topographic survey for the proposed tank site, well site, and proposed transmission main alignments. These locations will be identified during Phase 1 of this contract. The survey will be limited to a 2-acre site for one tank site and well site location and 2,000 linear feet at 50 feet wide for the pipe alignments. The survey will include a topographic survey, field survey within the project area to establish project control, benchmarks, verify information provided by the CLIENT, collect supplemental ground shots, and collect visible property information. In addition, this will include creating a property map of the areas surveyed. This information will be used to determine property and easement requirements for the project(s).

Task 2 – Geotechnical Report

This task will be conducted for the identified tank site and will involve the following tasks:

- Three soil boring holes will be drilled at the tank site to a proper depth dependent on-site condition and bury depth of the tank. Soil samples will be collected for visual classification in accordance with the Unified Soil Classification System (USCS). Selected soil samples will be delivered to a laboratory for analysis.
- A geotechnical report will be prepared to provide design parameter values for bearing capacity, lateral earth pressure, and slope stability.
- Along the transmission pipeline corridors, SE will coordinate with Nibley City to pothole five locations for the geotechnical engineer to provide soil classifications and to evaluate ground water levels.

Task 3 – Easement/ Property Acquisition Documentation Preparation

This task includes preparing legal descriptions and exhibits for easements and property acquisition for the project. This service will be provided at $1,200 per document prepared. If requested by the CLIENT, SE can assist the CLIENT in acquiring property and easements for the project. Work assignments may include meetings, creating additional exhibits, and correspondence with landowners. This assistance will be provided on a time and material basis.

Phase 3. Tank Design – 2.0 MG

Task 1 – Civil Tank Site Design & Specifications

This task includes the development of plans for the site, grading, excavation, backfill, and layout for the tank facility. Plans will be submitted to the CLIENT at the 30%, 60%, and 90% stage for review and comment. This task also includes the organization of the proper specifications for the relative design elements.

Task 2 – Electrical and SCADA Tank Site Design & Specifications

This task includes the development of plans for electrical and SCADA systems needed at the tank facility. SE will coordinate with the CLEINT and their SCADA provider to ensure proper tank control and settings (P&IDs and control descriptions will be included). Plans will be submitted to the CLIENT at the 30%, 60%, and 90% stage for review and comment. This task also includes the organization of the proper specifications for the relative design elements.

Task 3 – 2.0 MG Tank (D115) Design & Specifications

This task includes a detailed tank layout plan for a 2.0 MG Tank to be built as a AWWA D115 post tension concrete tanks (VSL). This plan will include dimensions, pipe penetration locations and elevations, and appurtenances (ladders, hatches, vents, etc.) for the tank. This task also includes the design of the supply line penetration, distribution penetration, and internal configuration to avoid water short circuiting the tank. The specifications will include a structural performance specification that the contractor will need to meet for the tank structural construction in accordance with AWWA D115 post tension concrete tanks (VSL). Plans will be submitted to the CLIENT at the 30%, 60%, and 90% stage for review and comment.

Task 4 – Tank Transmission, Supply, and Overflow Design & Specifications

This task includes the design of the new culinary water transmission mains and supply lines connecting the new tank to the existing Nibley City Infrastructure. As the precise location of the tank will be identified in the first phase of this project, this task assumes the tank will be located within 1,000 feet of adequately sized existing Nibley City infrastructure (including a proper drainage system). This task will also provide the design for the tanks overflow systems and the organization of the proper specifications for the relative design elements. Plans will be submitted to the CLIENT at the 30%, 60%, and 90% stage for review and comment.

Task 5 – Booster Pump Station Civil and Structural Design

As directed by Phase 1, this task includes the civil and structural design of a booster pump at the tank site. The booster pump building will be a simple utilitarian design. Typically, they are rectangle buildings with simple roof designs. The need for the booster pump station is dependent on the placement of the new tank. This task will prepare plans for a booster pump station and will include the plans for the site, grading, pipe layout, pump selection, and structural building. This effort will include developing the necessary specifications for bidding and construction. Plans will be submitted to the CLIENT at the 30%, 60%, and 90% stage for review and comment.

Task 6 – Booster Pump Station Electrical and Mechanical Design

This task includes the electrical, mechanical and SCADA design of a booster pump at the tank site. The need for the booster pump station is dependent on the placement of the new tank. This task will prepare plans for general house electrical design, pump electrical design (limited to 150 Hp), coordination with utility companies, coordination with Nibley City and SCADA provider (P&IDs and control description will be provided), and design for generator for stand by power. This task will also address the mechanical design for the booster pump station including air exchange flow and temperature control. This effort will include developing the necessary specifications for bidding and construction. Plans will be submitted to the CLIENT at the 30%, 60%, and 90% stage for review and comment.

Task 7 – Tank Project Permitting, Bid Documents, & Cost Estimate Development

This task includes the preparation of the bidding and contract documents for the construction of the water tank, booster pump station, and interconnecting piping. As part of this package, a construction cost estimate will be developed based on the plans prepared. Necessary permits from DDW, Nibley City, and Cache County will be obtained or prepared as needed under this task and included with the bid package.

Phase 4. Well Drilling and Pump House Design

Task 1 – Well Drilling Design & Specifications

This task includes the design of one (1) test well and one (1) production well in compliance with the relevant Utah Well Drillers Rule R655-4. The borehole drilling, well casing/screen installation, sand packing, surface sealing, well developing, pump testing, and other well construction procedures will be shown on the design plans and specified in the construction specifications. Design plans and construction specifications will be submitted to DDW and the CLIENT for approval.

Task 2 – Well House and Pipeline Civil and Structural Design & Specifications

This task includes the civil and structural design and specifications of the well house, site plan and up to 1000-feet of transmission line to existing city infrastructure. The well house will be a simple utilitarian design. Typically, they are rectangle buildings with simple roof designs. This includes the following components: structural, pump & motor selection, piping, valving, pump-to-waste, and specifications for bidding and construction. Plans will be submitted to the CLIENT at the 30%, 60%, and 90% stage for review and comment.

Task 3 – Well House Electrical and Mechanical Design & Specifications

This task includes the electrical, mechanical, and SCADA design and specifications of the well house. This includes the following components; general house electrical, pump electrical (limited to 300 HP), coordination with utility companies, coordination with Nibley City and SCADA provider (P&IDs and control description will be provided), generator for stand by power, and specifications for bidding and construction. This task will also address the mechanical design for the well house including air exchange flow and temperature control. Plans will be submitted to the CLIENT at the 30%, 60%, and 90% stage for review and comment.

Task 4 – Well & Well House Permitting, Bid Documents, & Cost Estimate Development
This task includes the preparation of the bidding and contract documents for the drilling of the well and the construction of the well house in two separate bid packages. The well drilling bid package will include the test well drilling & production well drilling efforts, water quality sampling, staged aquifer pump testing, and a 24 hr sustained pumping test. The second bid package will include the well house and its associated appurtenances. As part of each of these packages, a construction cost estimate will be developed based on the plans prepared. Necessary permits from DDW, DWRi, Nibley City, and Cache County will be obtained or prepared as needed under this task and included with the appropriate bid packages.

ARTICLE 2. COMPENSATION CONDITIONS & EXCLUSIONS

1. The scope of work is limited to the Scope of Work shown in this contract. Any additional tasks that may be required and/or requested by the client or reviewing agency(s) will be brought to the client's attention and a contract amendment may be required.
2. Time and Material tasks will be performed in accordance with rates & fees shown in Exhibit B.
3. Plans shall be prepared in accordance with the Standards and Specifications of the jurisdiction having authority.
4. A copy of existing surveys or known information by the CLIENT for the subject properties shall be provided to SE.
5. Offsite utility design and plans other than the ones specified are excluded.
6. Landscape and landscape irrigation plans are excluded from the scope of work.
7. The well house and booster station building are assumed to be simple utilitarian buildings (stick frame, CMU, CMU Split face of similar construction) with no architectural features or consideration. If the CLIENT would like SE to incorporate architectural features or consultation with an external architect this can be accomplished with an amendment.
8. Construction staking is excluded but can be provided by future contract amendment.
9. Design of gas, telephone or cable TV facilities or relocations are excluded.
10. Utility potholing is excluded but, if necessary, can be completed as a reimbursable expense.
11. Assistance for Land or Easement Acquisition will be performed as a Time and Materials task.
12. This scope of work does not include steak holder or public involvement/ design input.

13. This scope of work does not include the permitting or design of pipelines crossing State Highways, Railroad Property or Easements, and Streams and/ or Rivers.
14. This scope of work does not include the structural design of a D110 Traditionally Reinforced Tank but can be adjusted with an amendment to do so.
15. Review, processing, permitting, flow testing, development fees and all other fees are excluded.
16. Water testing and testing analysis reports are excluded.
17. Traffic Signal Plans or Traffic Impact Studies are excluded.
18. Reproduction costs for plans, exhibits, reports, etc. will be billed as a reimbursable expense or on a Time and Material basis depending on method of execution.
19. It is assumed that it will not require more than two (2) reviews to obtain approvals from the County/City/Agencies. Any reviews beyond two (2), that are out of SE's control (i.e., changing of reviewer/staff resulting in new comments) will be done on a Time & Materials basis or contract amendment.
20. The hiring of environmental consultants needed for the completion of any requirements to satisfy the NEPA or other environmental regulations are not included unless specifically stated in this scope of work.

ARTICLE 3. COMPENSATION

The CLIENT agrees to compensate SE for all services described in this Agreement on a lump sum base or a cost reimbursement basis for actual charges at hourly rates plus direct expenses as shown on Exhibit A attached herewith. The rates and expenses shown on Exhibit B will be automatically updated in January of each year hereafter to reflect the current fee schedule in effect at that time. SE does retain the right to shift funds within Lump Sum tasks in such a manner that the net change in the total amount of all Lump Sum items is zero.

ARTICLE 4. INVOICING

Instructions and invoices submitted pursuant to this Work Release shall be sent to:

NIBLEY CITY
455 W 3200 S
NIBLEY, UT 84321
To the Attention of the City Engineer
Tom Dickinson: td@nibleycity.com

Invoices shall be submitted monthly based on the prior month's effort and are due and payable within (30) thirty days.

SUNRISE ENGINEERING
FEE SCHEDULE
EXHIBIT A

FEE & SCOPE SUMMARY
Nibley City, Utah
Nibley City Culinary Well & 2MG Tank

Phase	Task	Work Task Description	($)	Fee Type
0001		**Preliminary Planning and Engineering Study**		
	001	Project Kick-off Meeting	$2,924	Lump Sum
	002	Hydraulic Analysis and Alternative Tank Site Evaluation	$13,044	Lump Sum
	003	Well Siting Study, Preliminary Evaluation Report (PER), and Drilling Start Card	$25,304	Lump Sum
	004	Water Rights – Change Application	$7,648	Lump Sum
	005	Funding Assistance (BOR Grant Only)	$8,632	T&M
	006	Environmental Report	$0	T&M
		Subtotal	**$57,552**	
0002		**Data Collection**		
	001	Property & Topographical Survey	$12,342	Lump Sum
	002	Geotechnical Report	$15,000	Lump Sum
	003	Easement/ Property Acquisition Documentation Preparation ($1,200 per doc)	$3,647	T&M
		Subtotal	**$30,989**	
0003		**Tank Design 2.0 MG**		
	001	Civil Tank Site Design & Specifications	$20,550	Lump Sum
	002	Electrical and SCADA Tank Site Design & Specifications	$8,000	Lump Sum
	003	2.0 MG Tank Design (D115) & Specifications	$12,832	Lump Sum
	004	Tank Transmission, Supply, and Overflow Design & Specifications	$18,572	Lump Sum
	005	Booster Pump Station Civil and Structural Design	$24,714	Lump Sum
	006	Booster Pump Station Electrical and Mechanical Design	$26,000	Lump Sum
	007	Tank Project Permitting, Bid Documents, & Cost Estimate Development	$12,940	Lump Sum
		Subtotal	**$123,608**	
0004		**Well Drilling and Pump House Design**		
	001	Well Drilling Design & Specifications	$10,936	Lump Sum
	002	Well House and Pipeline Civil and Structural Design & Specifications	$25,030	Lump Sum
	003	Well House Electrical and Mechanical Design & Specifications	$27,000	Lump Sum
	004	Well & Well Permitting, Bid Documents, & Cost Estimate Development	$11,748	Lump Sum
		Subtotal	**$74,714**	
		Total Dollars	**$286,863**	

* Lump Sum = Fixed Fee; T&M = Time & Materials; NTE = Not to Exceed.

** Budgeted T&M (Time & Materials) is a budgeted amount that will not be exceeded without CLINET Approval and does not guarantee the tasks will be completed within the amount.

*** SE retains the ability to move finances between Lump Sum tasks as long as the Lump Sum Total for the project does not change.

SUNRISE ENGINEERING

SUNRISE ENGINEERING

FEE SCHEDULE

EXHIBIT B

Work Code	Work Classification	Hourly Rate	Work Code	Work Classification	Hourly Rate
101	Engineer Intern (E.I.T.) I	$120	451	Training Specialist I	$168
102	Engineer Intern (E.I.T.) II	$131	456	Training Manager	$203
103	Engineer Intern (E.I.T.) III	$140	460	Training Director	$229
104	Engineer III	$149	500	Funding Specialist	$152
105	Engineer IV	$167	510	Plan Reviewer	$149
106	Engineer V	$208	511	Building Inspector I	$87
107	Senior Engineer	$226	512	Building Inspector II	$105
110	Principal Engineer	$248	513	Building Inspector III	$130
121	Electrical Engineer Intern (E.I.T.) I	$135	525	Building Official	$152
122	Electrical Engineer Intern (E.I.T.) II	$152	601	GIS Tech	$83
123	Electrical Engineer III	$175	602	GIS Tech II	$103
124	Electrical Engineer IV	$200	611	GIS Specialist I	$130
125	Electrical Engineer V	$225	613	GIS Analyst	$154
126	Principal Electrical Engineer	$242	614	GIS Programmer	$165
301	Engineering Tech I	$93	615	GIS Team Leader	$170
302	Engineering Tech II	$110	51	Administrative I	$60
303	Engineering Tech III	$124	52	Administrative II	$80
304	Engineering Tech IV	$158	53	Administrative III	$99
311	Electrical Tech I	$105	96	Public Information Manager	$143
312	Electrical Tech II	$120	701	Planner I	$102
313	Electrical Tech III	$138	702	Planner II	$118
314	Electrical Tech IV	$154	703	Planner III	$134
315	Electrical Tech V	$173	704	Planner IV/Econ Develop	$149
351	Construction Observer I	$83	705	Planner V	$170
352	Construction Observer II	$94	712	Project Manager II	$215
353	Construction Observer III	$114	723	Water Rights Specialist III	$160
354	Construction Observer IV	$125	921	Survey Tech	$93
401	CAD Drafter I	$89	930	Survey CAD Tech	$142
402	CAD Drafter II	$100	935	One Man Survey Crew	$175
403	CAD Drafter/Designer III	$119	940	Survey Manager	$185
404	CAD Drafter/Designer IV	$120	945	Registered Surveyor	$199
			950	Principal Surveyor	$219

Expense	Rate	Mark-Up
Mileage	$0.59 per mile	N/A
Field Vehicle (on site)	$60 per day	N/A
Per Diem Meals	$57 per day	N/A
Troxler Nuclear Density Gauge	$50 per day	N/A

High Density Scanner	$175 per hour	N/A
Material Testing Lab Work	Actual Cost	15%
Outside Consultants, Aerial Photography, etc.	Actual Cost	15%
Lodging	Actual Cost	10%
Other Expenses incurred	Actual Cost	10%

Fees automatically change after the beginning of the year and are subject to change on other occasions. Base 01-2024

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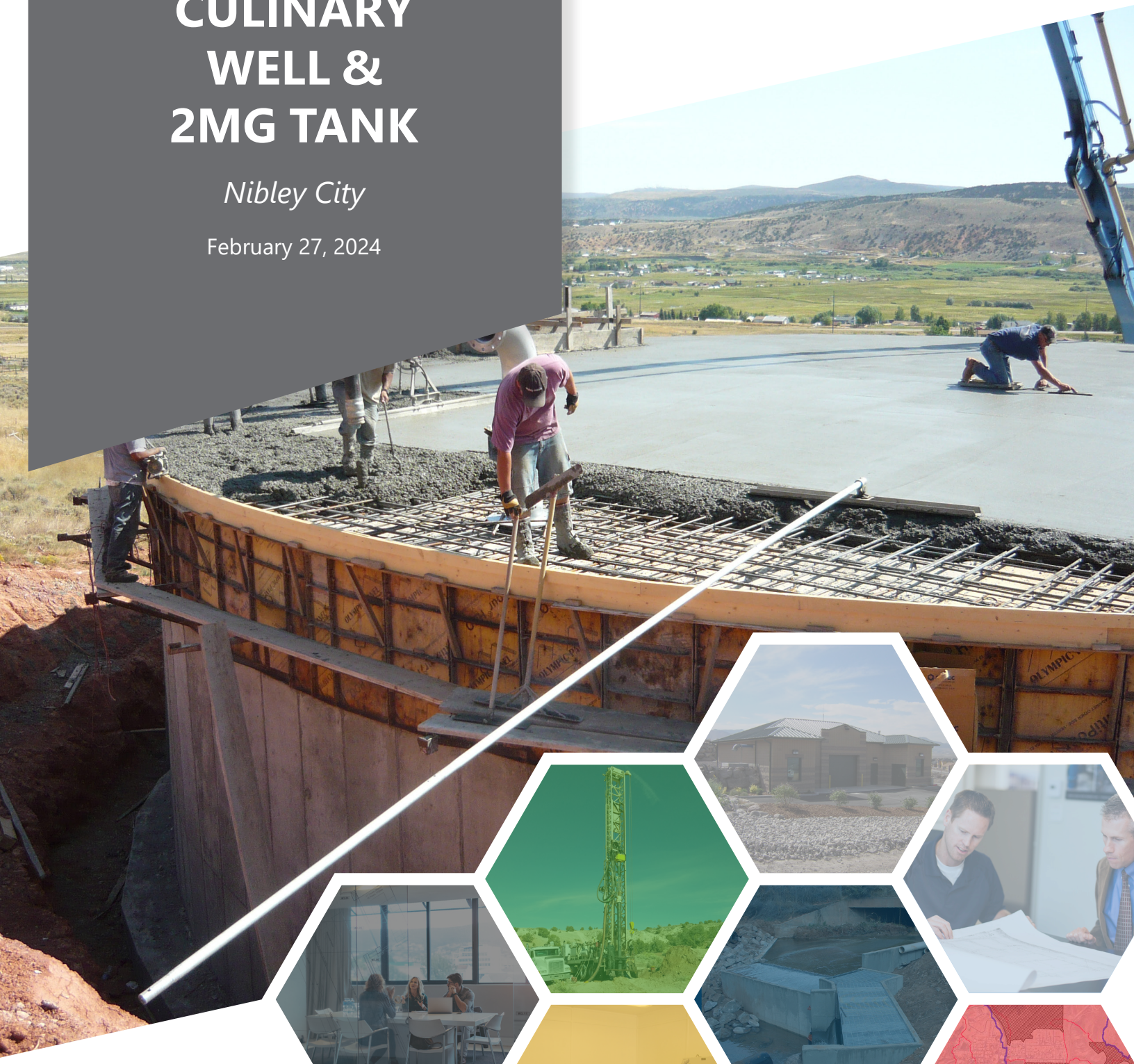
NIBLEY CITY CULINARY WELL & 2MG TANK

Nibley City

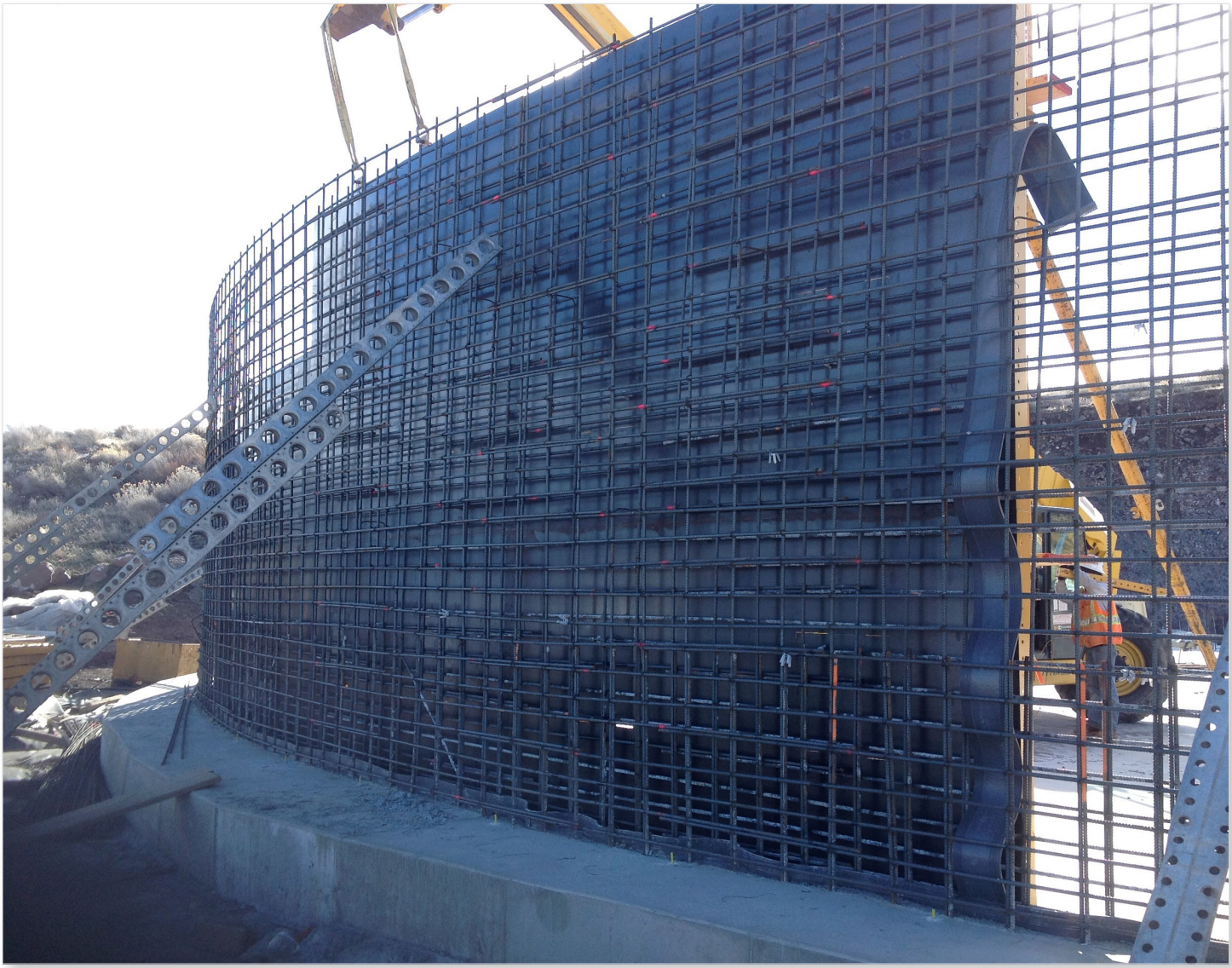
February 27, 2024



STEVEN WOOD, PE

435.563.3734
sdwood@sunrise-eng.com

2100 North Main Street,
North Logan, Utah 84241



Fillmore Water Tank

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SUNRISE ENGINEERING

2100 North Main Street, North Logan, Utah 84341
TEL 435.563.3734 | FAX 435.563.6097

February 27, 2024

Nibley City
Public Works Department
Attn: Tom Dickinson, City Engineer
455 West 3200 South
Nibley, UT 84321

RE: Statement of Qualifications (SOQ) for New Culinary Well and 2MG Tank

Dear Selection Committee:

It is our pleasure to submit Sunrise Engineering's Statement of Qualifications for this culinary water well and two million gallon tank project. We have been anxiously waiting for this project to advertise and move forward as we have assembled what we believe is the best approach/methodology and most qualified team to meet your project goals.

We realize that our reputation as a local engineering firm is on the line every time we work with you; that is why our goal is to exceed your expectations! We are committed to your primary goal of providing the highest quality services as efficiently as possible to meet the demands of the citizens of Nibley. We believe there are several elements of our project team that support your goal, which we have detailed below.

The benefits of choosing Sunrise Engineering:

- ***Familiarity with Sunrise*** - You know us and trust us. Sunrise has worked with Nibley City on many other projects in the past. You know we operate with you almost like an extension of your staff. We also invite you to contact our references for direct testimonials regarding the quality of our work and the level of service that we provide. Our project experience demonstrates that we have completed very similar projects for the nearby communities of North Logan, Providence, Hyde Park, and Bear Lake Water Company, along with White City Water Improvement District, Kaysville, and Layton in recent years.
- ***Thorough Approach & Methodology*** - During the preparation of this SOQ we have reviewed your previous master plan and made ourselves familiar with your culinary water system. Our approach and methodology we have outlined will provide the City with a step-by-step guideline to the successful accomplishment of your goals and objectives. This enhancement benefits the City by having an overall team that is familiar with your systems, needs. and outline to success, and can hit the ground running upon notice to proceed.
- ***Key Team Members*** - We reviewed your proposed project scope and identified key issues that we believe are critical to our mutual success. Our team members have worked together for many years on a wide variety of projects similar to this one for nearby communities. With this in mind, we assembled a top-notch project team that have the skills and past project experience to address these key project issues and provide innovative solutions to accomplishing your goals.
- ***Service & Stability*** - To demonstrate our philosophy of superior service, Sunrise is the only firm in the country who has received the PSMJ Premier Client Satisfaction award eight years in a row. We have also been recognized as one of ENR's Top 500 Companies and ENR Southwest's Top Design Firms for the past 10 years. This service and stability provides the City confidence that as your partner you will be completely satisfied our performance for the duration of the project.

We are looking forward to continuing our collaboration with Nibley City and respectfully request your support in our selection. We promise you quality engineering services with no regrets when you select Sunrise as your engineer for this important project. Should you have questions, please feel free to contact me directly at 435.563.3734 or via email sdwood@sunrise-eng.com.

Sincerely,
SUNRISE ENGINEERING

Steven Wood, PE

APPROACH & METHODOLOGY
STUDY

PROJECT UNDERSTANDING
Nibley City is one of the fastest growing communities in Cache County. One of the byproducts of this growth is that it will require the city to implement both source and storage water system capital projects to meet the needs of your culinary water system. We understand that the city requires assistance in performing some forward planning as part of this important project to assist with distribution system modeling, tank/well location, tank sizing, project phasing, and funding assistance.

PROJECT APPROACH
Most of the firms that will submit their qualifications for your project are qualified to perform the services outlined in the RFQ. We believe our project team is the most qualified because of our nearly identical experience and our trusted relationship with Nibley City. Our proposed team for your project has completed water system master plans, designed over 70 million gallons of concrete water storage tanks, booster pumps, and dozens of culinary water wells in the last 10 years for other communities such as Providence, North Logan, and Hyde Park in Cache Valley, in addition to other communities such as Kaysville, Layton, and Ogden along the Wasatch Front. The benefit to you

Our team has performed an initial assessment of your project and have developed a list of **Key Issues** that we believe, based on our experience and previous interactions with Nibley City, are important to the city and the successful completion of this project. The following is a summary of those **Key Issues** that our team has identified for this project, with our proposed actions and/or solutions.

APPROACH AND METHODOLOGY
Our project approach and methodology starts with identifying the key issues that, if managed correctly, will result in the successful outcome of your project. Based on our review of the RFP, the 2020 water master plan, and water model, we have identified the following key issues with proposed actions to mitigate them. We have divided them into four distinct phases. The first phase is a water system analysis, the second phase is the tank design plus new source development, and the third phase is the pipelines/overflow/pump to waste that connect all of this new infrastructure to your existing distribution system.

PHASE ONE – PRELIMINARY PLANNING AND ENGINEERING STUDIES

Masterplans typically identify the need but rarely evaluate how the need will be filled and what alternatives there are to fill the need. This leaves a significant amount of work to be done between the master plan and the beginning of the final design. A study looking at the different alternatives would include an evaluation of site, political, and acquisition of land or easements, permitting, and costs. The RFP discusses potential sites that the city owns and is interested in locating the tank and well on. Sunrise proposes to conduct a "Site alternative evaluation study," which will analyze each site and determine the pros and cons of each site. Updated cost estimates will be created for the different options.

There are five major components to a water system, water rights, sources, tanks, distribution, and treatment. From the masterplans 20-year projects, there needs to be work in four of the five major areas over the next 10 years. The preliminary planning and site alternative evaluation study have the potential to save the city millions of dollars over the next 20 years. With inflation cost sky rocketing, Sunrise recommends that the city construct as much of their 20-year masterplan as they can as soon as they can. Federal and state dollars are easier to obtain in larger increments, jumping through the environmental, Davis Bacon, and buy American requirements are done once.

Key Issue #1A Water System Analysis: The city needs to understand the needs of the water system as it relates to a new tank and well. **Action:** Our project team will conduct a demand analysis and water system modeling for your system as part of the scope of work for this project. The results of this analysis will assist us in understanding how adding a new tank and source at different locations will impact your system hydraulically and determine the optimal sizing and location of these new facilities.

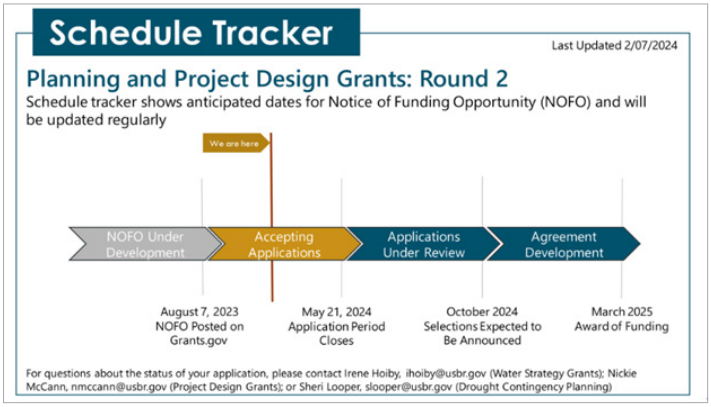
Key Issue #1B Funding: Whether we like it or not, money, or the lack of money, controls most projects. **Action:** For over 40 years, a big part of our business has been assisting communities with obtaining grants and low interest loans for projects. Sunrise employees full-time funding specialists. Sunrise attends every Utah Drinking Water Board meeting. We are in regular communication with Utah Community Impact Board, USDA - Rural Development, Community Development Block Grant, Bureau of Reclamation. Bear River Association of Governments, NRCS and many others. We write hundreds of grants and funding applications each year as a company. Nibley's median adjusted gross income is $70,800 for 2021, which is well above the state average of $51,600. Before the city is eligible for granted, the average monthly water bill will need to be over $103 per ERU.

Sunrise has successfully assisted communities with jumping through the additional requirements that come with obtaining funding from Federal or state agencies. These can include Davis Bacon wages, Buy America Build America, American Iron and Steel, and environmental evaluations.

The Biden-Harris administration has also announced a new project design grant through the Bureau of Reclamation for water projects. The funding announcement reads as follows: "New for 2023,

APPROACH & METHODOLOGY
WELL

Project Design Grants offers cost sharing with Reclamation for the site-specific final design of medium and large-scale on-the ground water supply construction, water management construction, and restoration projects."



Prior to applying for a "Project Design Grant," it is expected that applicants will have already performed some general planning work and preliminary studies that led to the identification of a specific location for project design. Project Design Grants should result in a final design package at approximately 60% design level.

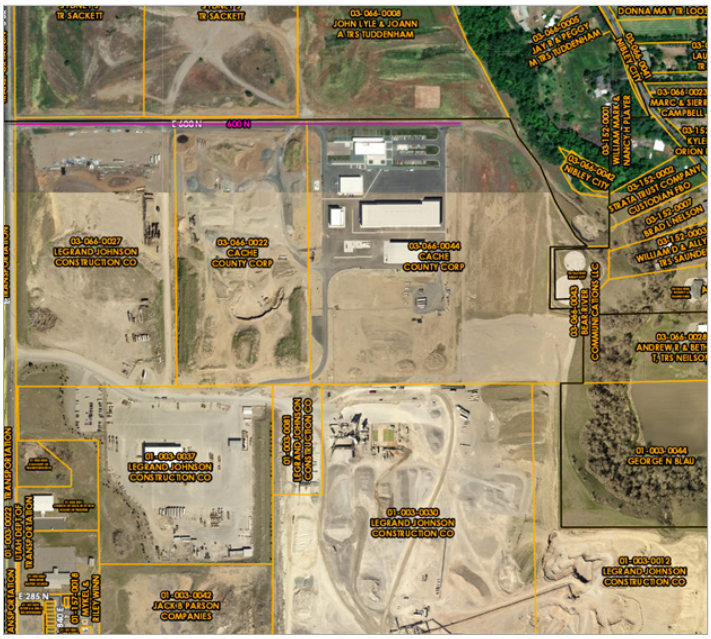
The grant is open currently and closes May 21, 2024. We would need to complete most of the well siting and tank siting work prior to the application deadline if Nibley desires to apply. Based on what we know about your system and our available work load capacity we believe that these dates are attainable to allow the city to take advantage of this grant funding. Project Manager, Steven Wood, and our funding specialist, Justin Atkinson, will head up these efforts to secure this funding.

Key Issue #1C Tank Location: The location of the new tank is a critical decision. **Action:** Currently, all the tanks are located at one location near the 5,000-foot elevation. As the city grows, the demand for water from the tanks is increasing. Currently, the pipelines from the tank to the core of the city are few and undersized for the growing demand. Thus, the masterplan suggests a new transmission line in the next 10 years.

There are three potential outcomes with the tank location. First, the tank is kept near the other tanks. The distribution system is simple and gravity feeds from the tanks without the use of booster pumps. This option requires the tank to be located near the 5,000-foot elevation. Overflow and outlet elevations need to be considered as part of the tank site selection. However, due to land availability, politics, and resources the second option would be to locate the tank on city-owned property farther west in the distribution system. This would require the water from the tank to be pumped back into the distribution system at the appropriate pressure. A third option would befor the proposed tank to be located closer to Millville at the 5,000-foot elevation. The water demands in the city could be met from two directions which reduces pipe diameters and lowers the risk of having all the critical tank infrastructure at one location. The future transmission line size may be reduced and potentially length shortened.

With each of these options there are pros and cons. Sunrise proposes to study each of the potential tank sites and determine the pros and cons with each location to assist the city with choosing the best tank site. One of the critical elements of any tank project is the design of the overflow outlet. The outlet has the potential for a significant amount of flow. Typically, overflows outlet to drainage creeks/canals or to city storm drain systems. It will be critical for this project to identify where the overflow can outlet without impacting existing developments or infrastructure.

Recently, Sunrise worked with Hyde Park to locate a new 2.0 MG post tension tank in Hyde Park Canyon. The tank was on an 80-acre parcel owned by the Federal government. Sunrise assisted in acquiring the parcel from the Federal government. The new tank was a key factor in meeting the future growth demands of Hyde Park. Sunrise recommends conducting a tank location study which will identify the political, financial, and ownership issues with each option. The map below shows the property ownership near the existing Nibley tanks. There isn't a very good spot to construct a tank on at or near the existing site.



PHASE TWO – WATER TANK & WELL DESIGN

Key Issue #2A Tank Sizing: The city's master plan suggests building a 2.0 MG tank now, and then in 10 years building an additional 1.0 MG tank. **Action:** The difference in diameter between a 3.0 MG tank (184-foot) and a 2.0 MG tank (150-

APPROACH & METHODOLOGY
TANK

foot) with 16-foot-high walls is 34 feet. A tremendous amount of costs in a tank project is in the interconnecting piping, land acquisition, excavation costs chlorination equipment, telemetry, design, mobilization, construction management etc. If the city intends to borrow the money for the tank, then the loan on the 2.0 MG tank would not be paid off when it was time to start the construction of the 1.0 MG tank. If financially possible, building a 3.0 MG tank now versus a 2.0 MG tank and then a 1.0 MG tank in 2035 we believe the city will benefit by saving $750,000 to $1,250,000 in today's dollars. Our team will assist the city in evaluating if constructing a 3.0 MG tank today and eliminating the need to construct an additional 1.0 MG tank in the future.

Key Issue #2B Tank Type: It is important to identify the type of tank desired for the project. Among the available options are a conventionally reinforced concrete tank, an AWWA D110 Type I, or AWWA D115 tank. The AWWA type tanks are pre-stressed tanks. The advantage to a pre-stressed tank is that the concrete is put into compression using pre-stressing cables reducing potential cracking and leaking. **Action:** Recently we have bid out several tanks of similar size to your tank. The AWWA D115 and conventionally reinforced concrete tanks will be price competitive for this size of tank. The AWWA D110 Type I tank is typically significantly higher in cost. For our North Ogden 2.0 MG Tank, the conventional price and AWWA D115 price for the three low contractors were the same. For this reason, Sunrise is recommending that Nibley City construct an AWWA D115 pre-stressed concrete tank. Our proposal would be to provide construction plans without structural plans for the tank. The plans would include dimensions, pipe penetration locations and elevations, and appurtenances (ladders, hatches, vents, etc.) for the tank. The specifications would include a structural performance specification that the contractor will need to meet for the tank structural. If desired, an AWWA D110 type I performance spec could also be included. The benefit to Nibley City of our approach for the tank type is that the tank will be a pre-stressed tank, and the city will not have to pay for a conventional structural design that will not be constructed. The pre-stressed structural plans will be provided by the winning contractor and required to meet the performance specifications. The other benefit will be an expedited design schedule for the project. The tank structural will not be required, thus reducing the initial design time for the project. The price and schedule in this proposal reflect the implementation of this strategy.

Key Issue #3A Well Siting: After reviewing well logs and the master plan, locating a 1,500 gpm well near Nibley existing water infrastructure appears to be promising. The gravel soils near the Blacksmith Fork River and the recharge to the aquifer from the river provide a high probability for locating a successful quality well. The master plan suggests that the well should be located east of the PRVs (approximately Highway 165). This will prevent the well from pumping directly into the system against the PRVs. It will also eliminate the need for a dedicated well line from the new well site to the tanks. Sunrise has worked with Laughlin Water Associates in Hyde Park and Providence in locating well sites to drill test and production wells. Test well drilling in Providence and Hyde Park will begin this spring and Nibley is welcome to visit the drilling operation if they desire. Laughlin Water is familiar with the geology of

APPROACH & METHODOLOGY
CONNECTIVITY, PERMITTING, AND FUNDING

the area and has worked with municipalities for many years. Their ability to dovetail the city's needs and hydrogeology has been a great collaboration for Providence and Hyde Park.

PHASE THREE – PIPELINES, OVERFLOWS, AND PUMP TO WASTE

Pipelines will be used to connect the new tank and well sites to the culinary water system. Sunrise design team has years of experience designing pipelines of different materials and in different soil conditions. Sunrise is very aware of the groundwater levels around the community and the need to address groundwater in the design. The exact lengths of these new pipelines are unknown currently, but key design issues we have addressed in the past are highway crossings, river crossings, high ground water, wet land permitting, railroad crossings. Based on the locations identified in the RFP, it is anticipated that the pipeline lengths will be less than 1000 feet to the new tank or well site.

An often-forgotten aspect of the tank and well designs is where does the water from the tank overflow or well pump to wastewater go? This question needs to be answered and be part of the evaluation criteria for site selection. Overflow water usually occurs when communication between a well or control valve malfunctions and the tank overfills. There could be 1500 gpm of water overflowing from the tank. Hopefully, the chosen site will have a canal or ditch that can be used for the overflow. But if the tank location is in the community, storm drain facilities may need to be upsized to account for this flow. The same principle is true with sitting a well. Often wells pump for a few minutes to waste prior to pumping into the drinking water network. This wasted water needs to be accounted for in the evaluation.

SUMMARY

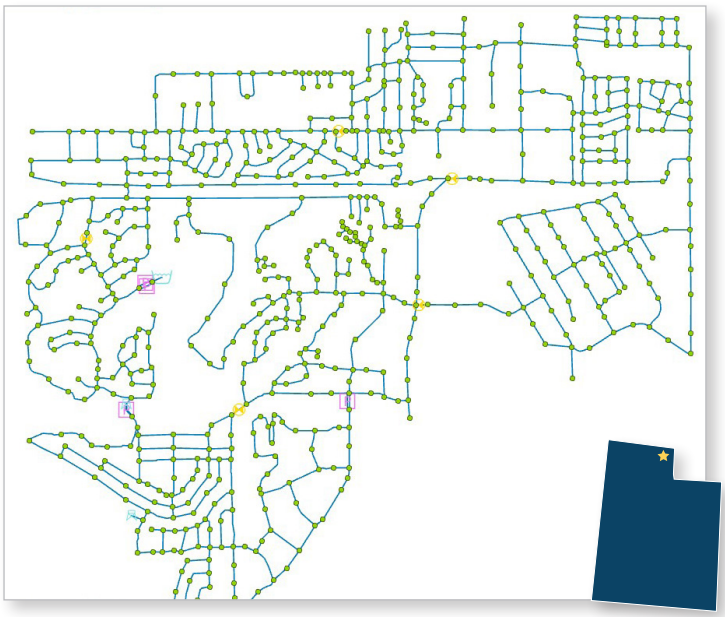
Sunrise Engineering is no stranger to culinary water planning, well and tank projects. Our detailed approach and methodology outlines the actions that need to take place for you to have a successful project. Some of our key issues and our associated actions has the benefit of securing grant funding while also providing value added solutions with the potential to also save the City significant costs. In summary, we believe we are your best choice to assist the City with implementing this important project.

QUALIFICATIONS OF FIRM

SIMILAR PROJECTS - MASTER PLANS & MODELING

NORTH LOGAN CULINARY WATER MASTER PLAN

NORTH LOGAN, UTAH



Description:

North Logan is a fast-growing city in Cache County, UT, that needed a water system model and master plan to understand current system deficiencies as well as help them plan for growth. Significant commercial/industrial pressure was being felt on the west of SR91, and residential growth on the east bench at higher elevations. As a result, the city chose the Sunrise team to create a new GIS-based water system model using InfoWater Pro modeling software and a drinking water master plan. The scope of work included planning for future growth, creating flow demand scenarios, model calibration, water right analysis, identifying current deficiencies, long-range infrastructure planning, and development of a capital improvement plan. In addition, our project team prepared an Impact Fee Facility Plan in accordance with Utah Code 11-36a to develop impact fees for future growth in the system. This Master Plan is a vital tool for city personnel to stay up-to-date on water needs in the city and to provide effective planning for their future water needs.

Project Details:

Role: Prime (100%)
Date: Ongoing
Owner: North Logan City
Reference: Jordan Oldham - 435.752.1310

Project Highlights:

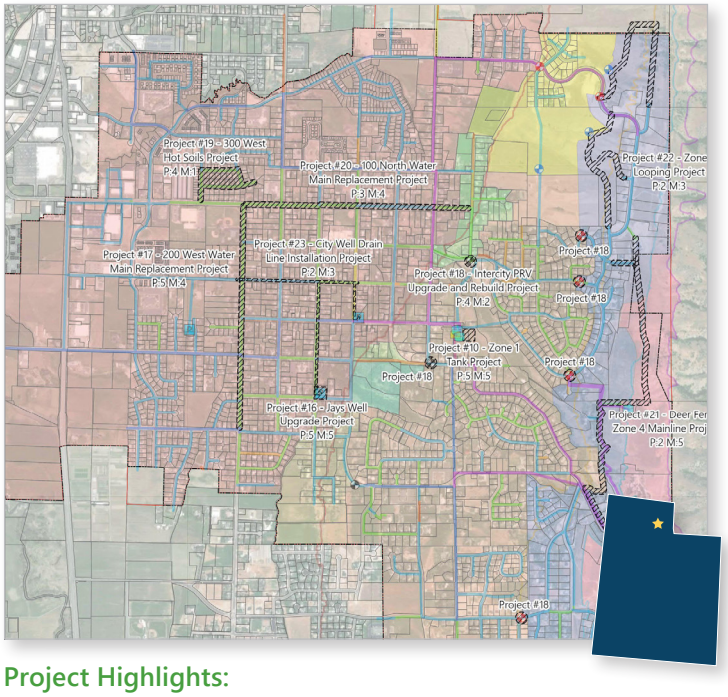
- 69 miles of pipe ranging from 2" to 16"
- 2023 served 2,700+ connections (a population of 11,600)
- Average daily water use is 1,700,000 gallons per day
- Four concrete tanks with 3M gallons of storage

PROVIDENCE CULINARY WATER MASTER PLAN

PROVIDENCE, UTAH

Description:

Providence City is a fast-growing city in Cache County, UT, that needed a water system model and master plan to understand current system deficiencies as well as help them plan for growth the city had been experiencing on the fringes of the city. Significant commercial/industrial pressure was being felt on the west of SR165, and residential growth on the east bench at higher elevations. As a result, the city chose the Sunrise team to prepare a GIS-based water system model and drinking water master plan. The scope of work included creating a new water model (pipes, tanks, pumps, wells & PRVs), delineating future water service areas, creating flow demand scenarios, model calibration, water right analysis, identifying current deficiencies, long-range infrastructure planning, and development of a capital improvement plan. In addition, our project team prepared an Impact Fee Facility Plan in accordance with Utah Code 11-36a to develop impact fees for future growth in the system. This Master Plan was a vital tool for city personnel to stay up-to-date on water needs in the city and to provide effective planning for their future water needs.



Project Details:

Role: Prime (100%)
Date: 2022
Owner: Providence City
Reference: Ryan Snow - 435.752.9441

Project Highlights:

- 53 miles of pipe ranging from 2" to 16"
- Served 2,400 connections with a population of 8,300
- Average daily water use is 2,700,000 gallons per day
- Six concrete tanks with 5.6M gallons of storage

QUALIFICATIONS OF FIRM

SIMILAR PROJECTS - WHOLE WATER SYSTEMS

HYDE PARK CULINARY WATER PROJECT

HYDE PARK, UTAH

Description:

The Hyde Park City Culinary Water Improvement Project consisted of constructing a 2.0MG water tank with appurtenances and piping, including distribution, transmission, and overflow lines. The project included a 12" transmission line from the 1.0 MG SV Tank, a distribution line from the Hyde Park Canyon Tank to the town, and a 10" pump line from the Greystone Tank to the Hyde Park Canyon Tank. At the Greystone Tank location, a new pump house was constructed. The new pipe included air/vacuum release valves, isolation gate valves, one PRV vault, and all other necessary fittings and appurtenances.

Project Details:

Role: Prime (100%)
Date: 2021
Owner: Hyde Park City
Reference: Marcus Alton - 435.563.6507

Project Highlights:

- 2 MG buried concrete water tank
- AWWA D115 pre-stressed tank
- Access road and land acquisition required
- 12 inch transmission line

WESTON CULINARY WATER PROJECT

WESTON, IDAHO

Description:

Sunrise has been assisting Weston with their culinary water system for the past six years. In 2015 and 2016 Sunrise completed a detailed culinary water master plan that identified various deficiencies, designed to Idaho DEQ and USDA requirements. The plan included a hydraulic water model, capital facility recommendations, environmental review, public involvement, bond elections, and funding assistance. With the master plan in place, Sunrise helped address the concerns identified. First a 500,000-gallon concrete water tank was designed and constructed to replace the failing tanks and provide additional storage. In the past, Weston needed a complicated booster station to provide proper pressures to the city. The new tank was placed at a higher elevation than the old tanks which has eliminated the need for the booster station and reduced O&M costs for the City. Later a 400-gpm production well was drilled to provide additional source water for redundancy and growth. This was equipped with a well house and pump with a mile transmission line. The final piece was a half-mile addition to the distribution system, a new PRV Station, and 15 new fire

Project Details:

Role: Prime (100%)
Date: 2017
Owner: Weston City
Reference: Greg Garner, Mayor - 208.339.7369

Project Highlights:

- 500,000-gallon concrete water tank
- 400-GPM production well
- Well house and pump with a 1-mile transmission line
- PRV station and 15 new fire hydrants

QUALIFICATIONS OF FIRM

SIMILAR PROJECTS - WELLS

BEAR LAKE WATER COMPANY COUNTRY CLUB DRIVE WELL

BEAR LAKE, UTAH

Description:

This project consists of the design and construction of the Country Club Well House and the required transmission line that will connect to the existing system. The well house is a two-room building with a total exterior measurement of 26' x 30'. The well house is divided in half such that two rooms are created: 2@ 13' x 30'. One room will be utilized as a pump room and will house the pump, pipping, chlorination equipment, and electrical equipment. The other room is a storage room that can be accessed through a garage door. The project also included the design and installation of 1,100 feet of 10" pipe to convey the well water to the existing system. Eventually this 10" line will be extended further to become a dedicated pumping line when funds are available. Presently the pipe line will only extend approximately half way to the water tank before it is connected into the existing infrastructure.

Project Details:

Role: Prime (100%)
Date: 2020
Owner: Bear Lake Water Company
Reference: Terry Allen - 435.757.6307

Project Highlights:

- 1000 GPM safe yield at 750 GPM
- Vertical turbine pump
- Electrical/HVAC site pumping
- Well house architectural/structural

WHITE CITY WELL #10 DESIGN AND WELL DRILLING

SANDY, UTAH

Description:

Well siting, drilling and designing, PER, well house design and construction administration. Sunrise designed this well to fit into a residential neighborhood in White City. The design of the 1,200-square foot building was approved by the subdivision developer, which necessitated a cosmetic design that included a steep pitched roof. We worked closely with Sandy City to locate the well house within its zoning ordinances. Sound attenuation design was also included in this well house. This was a 20" diameter 1,000-foot deep well, pumping up to 3,000 GPM using a 1000-horse power vertical turbine. Because of the 4,160 kv power needs of the well, Sunrise negotiated with Rocky Mountain Power for additional power system capacity. While determining the site location Sunrise did a source protection evaluation which included potential contamination sources, source hazards and a management plan for these potential contaminate sources.

Project Details:

Role: Prime (100%)
Date: 2004
Owner: White City Water Improvement District
Reference: Paul Ashton, General Manager - 801.571.3991

Project Highlights:

- 20" Diameter Well 1,000 Feet Deep
- Pumps 3,000 Gallons per minute
- Water Source Protection Evaluation

QUALIFICATIONS OF FIRM

SIMILAR PROJECTS - TANKS

KAYSVILLE TANK & BOOSTER PUMP

KAYSVILLE, UTAH

Description:

Highway 89 through Davis County was expanded. As part of the highway expansion, one of the Kaysville water tanks near the highway had to be demolished. The City decided that the replacement tank would be located to assist with development in the City and to feed a higher pressure zone. The new 1.0 MG pre-stressed (AWWA D115) concrete tank is also located in the special surface fault zone defined by the Utah Department of Natural Resources and required special structural design. The project also included a new booster pump station and approximately 2,800 feet of transmission line. The transmission line crosses the Weber Basin aqueduct and therefore we worked closely with the City, WCWCD and Federal Agencies to obtain the required permits for the crossing.

Project Details:

Role: Prime (100%)
Date: 2021
Owner: Kaysville City
Reference: Josh Belnap, PW Director - 801.544.8112

Project Highlights:

- Concrete water storage tank & new booster pump station
- 2,800 Feet of 12" Transmission Main
- Aqueduct crossing and special fault zone structural design
- Hydraulic & Pressure Zone Analysis

LAYTON TANK & BOOSTER PUMP

LAYTON, UTAH

Description:

One of Layton City's main water storage tanks needed to be relocated in order to create space for a major road widening of SR89. To replace this tank, the City elected to construct a new 2.0 MG tank on city owned property. This project includes design of a pre-stressed AWWA D115 tank along with a booster station designed to pump approximately 4,000 gpm to an existing higher pressure zone tank. The design also included 1,000 linear feet of 18-inch overflow pipe that flows to Snow Creek. In addition, the project required coordination with the Weber Basin WCD and UDOT.

Project Details:

Role: Prime (100%)
Date: July 2020
Owner: Layton City
Reference: Stacy Majewski, Project Manager - 801.336.3800

Project Highlights:

- 2.0 MG concrete water storage tank, buried control valve vault
- New Triplex 4,000 GPM Booster Pump Station
- 1,000 Feet of New 18" Overflow Piping
- Hydraulic & Pressure Zone Analysis

QUALIFICATIONS OF EACH INDIVIDUAL

Steven Wood, PE
Project Manager

Scott Archibald, PE
Project Principal/ QA QC

Phase 1 | Study, Modeling, and Funding

Cliff Linford, PE
Water Model & Piping Expert

Steve Hansen, SE, PE
Tank Selection & Siting

Bill Loughlin
Loughlin Water Assocs. Hydrogeology & Well Siting

Justin Atkinson
Funding Specialist

Phase 2a | Well

Bill Loughlin
Loughlin Water Assoc
Welling Drilling & Casing Design

Scott Archibald, PE
Well Equipping Design

Li Qi, PE
Source Protection Plan

Phase 2b | Tank

Steve Hansen, SE, PE
Concrete Tank Design Lead

Bryce Thompson, SE
Structural Engineer

Cliff Linford, PE
Booster Pump Design (if necessary)

Phase 3 | Pipelines

Jaison Hardman, PE
Pipeline Design Lead

Haiming Peng, PE
Hydraulic Design and Modeling

Angela Xi, PE
Pipeline Design Engineer

Specialty Services

Randy Knapp, PE, EE
Electrical Design Engineer

Mike Hare, PE
Instrumentation & Controls (SCADA)

Jarom Hlebasko, GISP
GIS Specialist

Eric Elison
Ninyo & Moore Hydrogeology

Court Brooks
Ninyo & Moore - Env. Compliance (NEPA)

Dale Robinson, PLS
Topographic & Boundary Survey

Jeff Putzke
Public Information & Involvement

Greg Martin
Land Acquisition Specialist

Support Personnel

Jared Anderson, PE | *Construction Admin*
Jon Wells | *Construction Inspection*
Matt Butikofer | *Construction Inspection*
Jake Leatham, EIT | *Engineering Tech.*
Emma Lyon, EIT | *Structural Engineering Tech*
Josh Nelson, PE | *Engineering Support*
Kamilla Schultz, PE | *Engineering Support*
Kyle Miller | *Engineering Technician*
Gus Pollock | *Engineering Technician*
Janet Jolley | *Senior CAD Technician*
Blake Jenkins | *CAD Technician*
Troy Draney | *CAD Technician*

QUALIFICATIONS OF KEY INDIVIDUALS

Steven Wood, PE | *Project Manager*
Education: *ME - Engineering, Utah State University*
Years of Experience: *8; 8 with Sunrise*

QUALIFICATIONS

With over eight years of experience and a ME in Civil Engineering from Utah State University, Steven is proficient in water modeling, hydraulic analyses, and financial analyses. He utilizes open communication in his project approach and his clients appreciate his ability to explain things clearly.

RECENT PROJECT EXPERIENCE

- Hyde Park Water - 2017 Water Improvements
- Weston City Water Improvements
- Bear Lake Water Co. Country Club Well Development
- Providence Water Master Plan
- North Logan Water Master Plan
- Providence Well Drilling

Scott Archibald, PE | *Project Principal & Well Specialist*
Education: *BS - Civil Engineering, Utah State University*
Years of Experience: *26; 26 with Sunrise*

QUALIFICATIONS

Scott has experience in the planning, design and construction management of municipal projects. Many include planning, funding, technical design, coordination with regulatory agencies, and GIS.

RECENT PROJECT EXPERIENCE

- Hyde Park Culinary Water Master Plan
- White City Water Master Plan Update
- Clarkston Water Master Plan
- Providence Water Master Plan

Cliff Linford, PE | *Pump Specialist*
Education: *BS - Civil Engineering, University of Wyoming*
Years of Experience: *22; 21 with Sunrise*

QUALIFICATIONS

Cliff's experience includes culinary water systems, wastewater collection systems, water storage design, well house design, transmission line design, pipeline replacement, and booster station design.

RECENT PROJECT EXPERIENCE

- Eagle Mountain 3.5 MG Tank (D115)
- Ogden 46th Street Booster Station
- White City Tank Farm Booster Station
- Stansbury 3.0 MG Tank

Steve Hansen, SE, PE | *Structural Engineer*
Education: *MS - Civil Engineering, Brigham Young University*
Years of Experience: *20; 15 with Sunrise*

QUALIFICATIONS

Steve has experience in the structural design of municipal, commercial, industrial, and civil structures, with experience in water-related structures, such as concrete water and wastewater tanks.

RECENT PROJECT EXPERIENCE

- North Ogden City 2.0 MG Tank
- Eagle Mountain 4 MG and 2.5 MG Water Tank
- Hyde Park 2.0 MG Tank
- Stansbury 3.0 MG Tank (AWWA D115)

Bill Loughlin, PG | *Hydrogeologist - Loughlin*
Education: *MS - Geology, University of Wyoming*
Years of Experience: *46; 18 with Loughlin*

QUALIFICATIONS

Bill is a hydrogeologist with water resource experience including exploration, development, and assessment of resources, and rehabilitation of wells and springs, source protection and capacity and water quality assessment.

RECENT PROJECT EXPERIENCE

- Quarry Hills Well
- Cattail Well
- Freestyle Well
- South Willard Well

Justin Atkinson | *Funding Specialist*
Certifications: *Drinking Water Operator Certificate, Level D2*
Years of Experience: *31; 31 with Sunrise*

QUALIFICATIONS

Through his relationships with funding agencies, Justin has been successful in obtaining millions of dollars in low interest loans and grants for water, sewer, roads, buildings, irrigation, and parks and recreation projects.

RECENT PROJECT EXPERIENCE

- Herriman, City
- Monroe City Water Treatment Plant, Utah
- Copperton Improvement District, Utah
- Manti City, Utah

Eric Elison, PE | *Geotechnical - Ninyo & Moore*
Education: *MS - Civil Engineering, Brigham Young University*
Years of Experience: *30; 26 with Ninyo*

QUALIFICATIONS

Eric's experience includes performing geotechnical evaluations for public agencies for wastewater treatment facilities, pump station, pipelines, storm water channels, and detention basin projects.

RECENT PROJECT EXPERIENCE

- Kaysville Booster Station Fault Study
- Central Utah WCD North Branch Connection
- Printers Row Waterline Replacement
- Pacificorp Gateway West Transmission Line

QUALIFICATIONS OF KEY INDIVIDUALS

Jaison Hardman, PE
Project Engineer Tank Design

Education: *BS - Civil Engineering, Utah State University*

Years of Experience: *5; 5 with Sunrise*

QUALIFICATIONS

Since joining Sunrise, Jaison has completed water and wastewater infrastructure projects for municipal and private clients. He has been involved with PERs, master plans, improvement projects, and capital facilities plans.

RECENT PROJECT EXPERIENCE

- Minersville Culinary Water Improvements
- Loa Town Water Improvements
- Holden Water Improvements Project
- Goshen Water Improvements

Haiming Peng, PE
Hydraulic Design and Modeling

Education: *MS - Civil Engineering, University of Missouri*

Years of Experience: *5; 1 with Sunrise*

QUALIFICATIONS

Haiming specializes in modeling for water distribution. His responsibilities have spanned preparing feasibility studies, water usage reports, calculations, reports, and InfoWater Pro for water distribution modeling.

RECENT PROJECT EXPERIENCE

- BLCW Culinary Water Master Plan 2022
- Hyde Park City Culinary Water Well
- Hyde Park Drinking Water Source Protection Plan Update
- North Logan City Culinary Water Master Plan

Angela Xi, PE
Pipeline Design Engineer

Education: *MS - Civil Engineering, University of Illinois at Urbana-Champaign*

Years of Experience: *9; 2 with Sunrise*

QUALIFICATIONS

Angela's experience centers on water pipeline engineering, including the design of water transmission mains (from 6" up to 66" in diameter), Her project experience includes pipeline design, water master planning, and network modeling.

RECENT PROJECT EXPERIENCE

- Ogden Canyon 36" WTM Replacement
- White City 10000 South Water Transmission Line
- Ogden BDO Water Expansion - 2nd Street Waterline Replacement
- Ogden City Water Master Plan Update

Randy Knapp, PE, EE
Electrical Engineer

Education: *BS - Electrical Engineering, University of Utah*

Years of Experience: *26; 13 with Sunrise*

QUALIFICATIONS

Randy's expertise includes the design, programming, start-up, and support for many control and SCADA projects. Experience includes electrical system designs and specifications for municipal pumping stations.

RECENT PROJECT EXPERIENCE

- Thayne Booster Pump Station
- White City Tank Farm Booster Station
- Kaysville Orchard Ridge Tank Pump Station
- Herriman 5.0 MG Tank and Supply

Mike Hare, PE
Instrumentation & Controls SCADA

Education: *BS - Mechanical Engineering, BYU Idaho*

Years of Experience: *7; 2 with Sunrise*

QUALIFICATIONS

Mike's experience includes automation and control systems for wells, tanks, treatment plants, booster stations, lift stations, valve control, irrigation control, and process monitoring.

RECENT PROJECT EXPERIENCE

- Buckeye Shadow Canyon Booster & Lift Station
- Holden Water Improvements Project
- Kane County Water Improvements Project
- Bridgerland Water Improvements Project

Jarom Hlebasko, GISP
GIS Specialist

Education: *BS - Engineering Technology, Southern Utah University*

Years of Experience: *18; 17 with Sunrise*

QUALIFICATIONS

Jarom has provided mapping services and analysis with various ArcGIS software in utility mapping including water distribution, sanitary sewer, storm water, irrigation, and power/electrical projects.

RECENT PROJECT EXPERIENCE

- Washington, UT Water Treatment Plant
- Fairview, Utah Treatment Plant
- Fillmore, Utah Booster Station
- Perry/Willard, UT Wastewater Treatment Plant

Dale Robinson, PLS
Survey and Drone Data Collection

Education: *BS - Geography, Utah State University*

Years of Experience: *33; 31 with Sunrise*

QUALIFICATIONS

Dale is experienced in all aspects of survey, including cadastral/boundary survey, mapping, planimetric, topographic, and utility survey, construction survey, field engineering, right-of-way, and easement surveys.

RECENT PROJECT EXPERIENCE

- Spanish Fork 5.0 MG Tank
- Stansbury 3.0 MG Water Tankv
- Eagle Mountain 3.5 MG Tank
- Ogden North Storage 4.0 and 1.0 MG Reservoir

SCOPE OF PROFESSIONAL SERVICES

PHASE 1: PRELIMINARY PLANNING AND ENGINEERING STUDY

Task 1: Project Kick Off Meeting

Sunrise will conduct a meeting with Nibley City staff and key project personnel from Sunrise to open the project. This step is crucial to help establish the team, general task assignments, and to align the engineering approach presented in this proposal with the vision and desires of Nibley City.

Task 2: Hydraulic Analysis and Alternative Tank Site Evaluation

Sunrise will use the existing city water model, master plan, and USGS elevation data of the surrounding area to evaluate the three most promising tank sites. If deemed necessary, each potential tank site will be analyzed in the existing water model. Preliminary evaluations suggest that the tank should be built near the 5000-foot elevation to keep the system operating in a similar manner. If the preferred site requires a booster pump station to properly supply water due to elevation differences, this variation will be modeled to determine size and hydraulic impacts. Opinion of probable costs for each alternative will be prepared, showing the different site-specific costs to construct a tank at that location.

Task 3: Well Siting Study, Preliminary Evaluation Report (PER), and Drilling Start Card

Sunrise will be partnering with Laughlin Water Associates to help in the development of a detailed well-sitting study for Nibley City. They will evaluate both existing wells and the natural geology for optimal locations for successful well drilling. Their study will provide guidance as to the location for the proposed well with relationship to the hydrogeology, source protection concerns, and proximity to existing city infrastructure. From this study a drilling plan will be established with anticipated drilling depths and potential confining aquifer identification. An opinion of probable costs for the proposed well will be prepared.

Upon having the well sites selected, Sunrise & Laughlin Water shall prepare a PER for the selected site which will cover all four zones or the entire management area. The PER will be developed in accordance with the "Standard Report Format for New Wells and Springs." In addition, well drilling start cards and permitting approvals (DDW, DWRi, Nibley City, and Cache County) will be obtained. The general four sections of a PER are as follows:

a. Delineation Report for Estimated Drinking Water Source Protection Zones.
b. Inventory of Potential Contamination Sources and Identification and Assessment of Controls
c. Land Ownership Map - A land ownership map which includes all land within zones one and two or the entire management area.
d. Land Use Agreements, Letters of Intent, or Zoning Ordinances.

Task 4: Water Rights – Change Application

With the drilling of a new well, there is a series of specific steps involving water rights that must be followed to secure permission for drilling a new culinary water well. Sunrise will review the current water rights and consult with the Utah Division of Water Rights as to the best approach to secure permission to drill the new well. Before submitting any change application, the approach and documents will be reviewed and approved by the city.

Task 5: Funding Assistance
This task includes services to assist Nibley City in applying for funding from state/federal agencies. Work assignments may include meetings, completion of funding applications, financial analysis, board meetings, responding to staff funding agencies requests, and correspondence. This assistance will be provided on a time and material basis as directed by the city. Applications can be made to the following funding agencies: Utah Division of Drinking Water, USDA - Rural Development, and the Bureau of Reclamation (BOR). **The BOR has a new grant called Design & Planning Grant. This grant, if awarded, can pay a minimum of 50% of the design and test well drilling for this project.**

Task 6: Environmental Report
Funding from most state and federal agencies requires the project to be reviewed under the National Environmental Policy Act (NEPA). It is anticipated that an Environmental Assessment (EA) report will be sufficient to meet the NEPA requirements for most funding agencies. If needed, Sunrise can prepare environmental reports. Once the funding package is selected and the final designs are completed, Sunrise will provide costs to prepare the needed environmental approvals.

PHASE 2: DATA COLLECTION

Task 1: Property & Topographical Survey
Sunrise will conduct a full boundary and topographical survey on the properties required for the tank and well sites. As the precise location of these facilities has not been identified yet, it is assumed each of these sites will be less than two acres per site. This survey will include property limits, easements, rights-of-way, topographic, notable features, surface utility information, and benchmark verification/ establishment. As the routing for the interconnecting piping is to be determined during Phase 1, this survey task includes 2,000 linear feet of transmission line at 50 feet wide.

Task 2: Geotechnical Report
The geotechnical report will be conducted for the identified tank site and will involve the following tasks:

- Three soil boring holes will be drilled at the tank site to a proper depth dependent on site conditions and bury depth of the tank. Soil samples will be collected for visual classification in accordance with the Unified Soil Classification System (USCS). Selected soil samples will be delivered to a laboratory for analysis.
- A geotechnical report will be prepared to provide design parameter values with respect to bearing capacity, lateral earth pressure, and slope stability.
- Along the transmission pipeline corridors, Sunrise will coordinate with Nibley City to pothole five locations for the geotechnical engineer to provide soil classifications and to evaluate ground water levels.

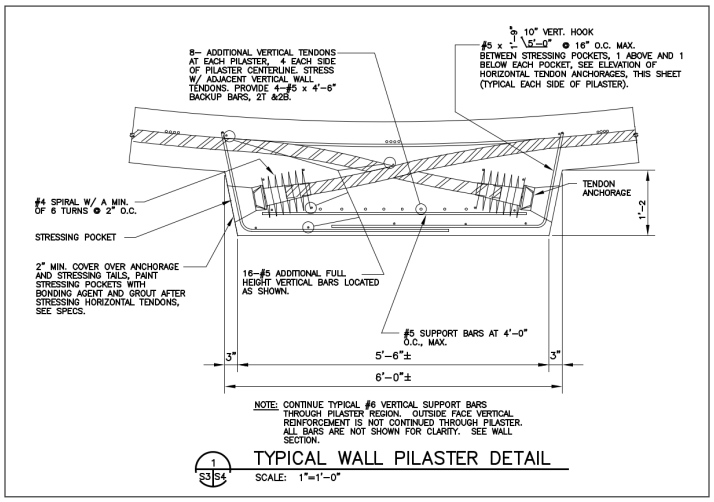
Task 3: Easement/ Property Acquisition Documentation Preparation
This task includes preparing legal descriptions and exhibits for easements and property acquisition for the project. This service will be provided at $1,200 per document prepared. If requested by the city, Sunrise can assist the city in acquiring property and easements for the project. Work assignments may include meetings, creating additional exhibits, and correspondence with landowners. This assistance will be provided on a time and material basis.

PHASE 3: TANK DESIGN

Task 1: Civil Tank Site Design & Specifications
During this task Sunrise will provide plans for the site, grading, excavation, backfill, and layout for the tank facility. Sunrise will coordinate with Nibley City and their SCADA provider to ensure proper tank control and settings (P&IDs and control descriptions will be included). This proposal assumes that the plans will be submitted to the Nibley City at the 30%, 60%, and 90% stage for review and comment. This task also includes the organization of the proper specifications for the relative design elements.

Task 2: Structural Tank Design & Specifications
In accordance with the approach and methodology provided previously, Sunrise will provide construction plans without detailed structural plans for the tank. The plans would include dimensions, pipe penetration locations and elevations, and appurtenances (ladders, hatches, vents, etc.) for the tank. The specifications would include a structural performance specification that the contractor will need to meet for the tank structural in accordance with AWWA D115 post tension concrete tanks (VSL).

If during the Preliminary Planning and Engineering Study, Nibley City decides to move forward with a conventional concrete reinforced tank as outlined by AWWA D110, Sunrise will design the tank accordingly. Sunrise will perform structural analysis and design for the conventional concrete tank to determine wall thickness, rebar recommendations, column support, roof thickness, slab thickness and concrete design. As identified in the fee proposal attached, two fees are presented, one for the layout of a post tensioned D115 tank and one for the additional fee for the structural design or a conventional D110 tank. The second fee would only be relevant if Nibley City elects to construct a conventional D110 tank.



Task 3: Tank Transmission, Supply, and Overflow Design & Specifications
Sunrise will design the new culinary water transmission mains and supply lines connecting the new tank to the existing Nibley City Infrastructure. As the precise location of the tank will be identified in the first phase of this project, this task assumes the tank will be located within 1,000 feet of adequately sized existing Nibley City infrastructure. This task will also provide the design for the tanks overflow systems and the organization of the proper specifications for the relative design elements.

Task 4: Booster Pump Station Design (Optional)
As directed by the Preliminary Planning and Engineering Study, a booster pump will be designed to be placed on the tank site. The need for the booster pump station is dependent on the placement of the new tank. This task will prepare plans for a booster pump station and will include the plans for the site, grading, pipe layout, pump selection, structural building, general house electrical design, pump electrical design (150 Hp anticipated), coordination with utility companies, coordination with Nibley City and SCADA provider (P&IDs and control description will be provided), and design for generator for stand by power. This task will also address the mechanical design for the booster pump station including air exchange flow and temperature control. This effort will include developing the necessary specifications for bidding and construction.

Task 5: Tank Project Permitting, Bid Documents, and Cost Estimate Development
Sunrise will prepare the bidding and contract documents for the construction of the water tank, booster pump station, and interconnecting piping. As part of this package, a construction cost estimate will be developed based on the plans prepared. Necessary permits from DDW, Nibley City, and Cache County will be obtained or prepared as needed under this task and included with the bid package.

PHASE 4: WELL DRILLING AND PUMP HOUSE DESIGN

Task 1: Well Drilling Design & Specifications
Test well and final well designs will be created in compliance with the relevant Utah Well Drillers Rule R655-4. The borehole drilling, well casing/screen installation, sand packing, surface sealing, well developing, pump testing, and other well construction procedures will be shown on the design plans and specified in the construction specifications. Design plans and construction specifications will be submitted to DDW and Nibley City for approval.

Task 2: Well House and Pipeline Design & Specifications
This task provides the design and specifications of the well house, site plan and up to 1000 feet of transmission line to existing city infrastructure. The plans are to include the following components; structural, pump & motor, piping, valving, pump-to-waste, general house electrical, pump electrical (less than 300 HP anticipated), coordination with utility companies, coordination with Nibley City and SCADA provider (P&IDs and control description will be provided), generator for stand by power, and specifications for bidding and construction. This task will also address the mechanical design for the well house including air exchange flow and temperature control.

Task 3: Well and Well Permitting, Bid Documents, and Cost Estimate Development
Sunrise will prepare the bidding and contract documents for the drilling of the well and the construction of the well house in two separate bid packages. The reason for the two packages is the diverse nature of the type of contractors needed and the timeline for construction. The well drilling bid package will include the test well drilling & production well drilling efforts, water quality sampling, staged aquifer pump testing, and a 24 hr sustained pumping test. The second bid package will include the well house as outlined in Task 2 previously described. As part of each of these packages, a construction cost estimate will be developed based on the plans prepared. Necessary permits from DDW, DWRi, Nibley City, and Cache County will be obtained or prepared as needed under this task and included with the appropriate bid packages.

SCHEDULE/WORK PLAN

Nibley City
2MG Storage Tank & Well
Tentative Schedule - 02/27/2024

D	Task Name	Duration	Start	Finish
1	**Nibley Well & 2MG Tank Schedule**	**430 days**	**Mon 3/11/24**	**Thu 10/30/25**
2	**Project Kick-Off/ Notice to Proceed**	**15 days**	**Mon 3/11/24**	**Fri 3/29/24**
3	NTP/Kick-off Meeting	0 days	Mon 3/11/24	Mon 3/11/24
4	**Study, Modeling & Funding (Phase 1)**	**125 days**	**Tue 3/12/24**	**Mon 9/2/24**
5	Field Investigation & Data Review	5 days	Tue 3/12/24	Mon 3/18/24
6	Modeling & Hydraulic Analysis	20 days	Tue 3/19/24	Mon 4/15/24
7	Well Siting	20 days	Tue 3/19/24	Mon 4/15/24
8	Tank Siting	20 days	Tue 3/19/24	Mon 4/15/24
9	Property Acquisition (If Necessary)	100 days	Mon 4/15/24	Fri 8/30/24
10	Preliminary Design Plans	25 days	Tue 4/16/24	Mon 5/20/24
11	Preliminary Opinion of Probable Cost	11 days	Mon 5/6/24	Mon 5/20/24
12	**Prepare BoR Project Design Grant Application**	25 days	Tue 4/16/24	Mon 5/20/24
13	**Submit BoR Project Design Grant Application**	0 days	Mon 5/20/24	Mon 5/20/24
14	Prepare Project Study Report	19 days	Tue 5/21/24	Fri 6/14/24
15	Final Study Submittal	0 days	Fri 6/14/24	Fri 6/14/24
16	Other Project Funding Application/Acquisition	75 days	Tue 5/21/24	Mon 9/2/24
17	**Tank & Well Design & Permitting (Phases 2 & 3)**	**380 days**	**Mon 5/20/24**	**Thu 10/30/25**
18	**Field Survey & Base-Mapping**	**20 days**	**Mon 5/20/24**	**Fri 6/14/24**
19	Topographic Field Survey	10 days	Mon 5/20/24	Fri 5/31/24
20	Topographic Base-Mapping	10 days	Mon 6/3/24	Fri 6/14/24
21	Deliver Survey Base-Mapping	0 days	Fri 6/14/24	Fri 6/14/24
22	**2MG Storage Tank Design, Plans & Specifications**	**380 days**	**Mon 5/20/24**	**Thu 10/30/25**
23	Geotechnical Report	28 days	Mon 5/20/24	Wed 6/26/24
24	Prepare 2MG Tank Site & Piping Plans	40 days	Mon 6/17/24	Fri 8/9/24
25	Prepare 2MG Tank Structual Plans	40 days	Mon 6/17/24	Fri 8/9/24
26	Client Review	5 days	Mon 8/12/24	Fri 8/16/24
27	Nibley/Sunrise Review Meeting	0 days	Fri 8/16/24	Fri 8/16/24
28	Division of Drinking Water Permitting	25 days	Mon 8/19/24	Thu 9/19/24
29	Storage Tank Bidding	30 days	Fri 9/20/24	Thu 10/31/24
30	2MG Storage Tank Construction	240 days	Fri 11/1/24	Thu 10/2/25
31	Project Close-out & Final Permitting	20 days	Fri 10/3/25	Thu 10/30/25
32	**Well & Pipelines Design, Plans & Specifications**	**380 days**	**Mon 5/20/24**	**Thu 10/30/25**
33	Well Drilling Design & Specifications	30 days	Mon 5/20/24	Fri 6/28/24
34	Client Review	5 days	Mon 7/1/24	Fri 7/5/24
35	Nibley/Sunrise Review Meeting	0 days	Mon 7/8/24	Mon 7/8/24
36	Well Drilling Permitting	30 days	Mon 7/8/24	Fri 8/16/24
37	Well Drilling Bidding	20 days	Mon 8/19/24	Fri 9/13/24
38	Well Construction	85 days	Sun 9/15/24	Thu 1/9/25
39	Well Equipping Design	60 days	Fri 1/10/25	Thu 4/3/25
40	Drinking Water Source Protection Plan	60 days	Fri 1/10/25	Thu 4/3/25
41	Interconnecting Pipelines Design	60 days	Fri 1/10/25	Thu 4/3/25
42	Client Review	5 days	Fri 4/4/25	Thu 4/10/25
43	Nibley/Sunrise Review Meeting	0 days	Thu 4/10/25	Thu 4/10/25
44	Well Equipping & Pipelines Permitting	20 days	Fri 4/11/25	Thu 5/8/25
45	Well Equipping & Pipelines Bidding	20 days	Fri 5/9/25	Thu 6/5/25
46	Well Equipping & Pipelines Construction	85 days	Fri 6/6/25	Thu 10/2/25
47	Project Close-out & Final Permitting	20 days	Fri 10/3/25	Thu 10/30/25

The schedule and work plan shown below includes the key elements of work to be performed on the project in each phase. The completion dates shown are based off of typical completion times for the tasks shown. As needed, the tasks shown may be expedited or accelerated to meet the needs of the project. The work plan demonstrates that we understand the requirements of completing a study, well, and 2MG storage tank which outlines a path for successful completion of the project. We believe one of the early critical dates is May 21, 2024, which is the closing date for the BoR Project Design Grants funding source. In order to meet this date our schedule has accelerated completion of the study, modeling, preliminary plans and cost estimate to allow our team to submit an application on behalf of the City for the GRANT funding. In addition, we have staggered the design and construction of the well and tank so that, if desired by the City, they can be finish construction at approximately the same time while still meeting your design completion dates of September 15, 2024 for the tank and January 15, 2024 for the well drilling. Lastly, we will determine delivery times for long lead items such as transformers, back-up generators and well pumps and then work with the City on a potential early procurement step so that none of these long lead items impede the completion of the project. We understand the schedule needs and critical deadlines for this project. By selecting our team you are assured that your project will go smoothly from study through design and construction.

Appendix A

RESUMES

Steven Wood, PE

Project Manager

EDUCATION

ME - Civil Engineering, Utah State University

BS - Civil Engineering, Utah State University

YEARS IN PROFESSION

8; 8 with Sunrise

REGISTRATIONS

Professional Engineer:

Utah #12401899

AREAS OF EXPERTISE

Culinary Water Systems
Irrigation Systems
Storm Drainage
Water Rights
Water Quality
City Engineering
Site Engineering
Wastewater Systems/Collection/ Treatment

With over eight years of experience and an ME and BS in Civil Engineering from Utah State University under his belt, Steven is proficient in water modeling, hydraulic analyses, and financial analyses. He utilizes open communication and a calm demeanor in his project approach; clients and colleagues appreciate his ability to explain things clearly, whether in conversation or in writing.

WESTON WELL DRILLING
WESTON, IDAHO

Steven served as the project manager for the Weston Well Drilling project, which included a 240-foot, 6" diameter test well drilled at the city park. A second 520-foot, 6" diameter test well was drilled at the upper spring booster pump station site. A 16" diameter production well was drilled at the upper spring booster pump station site. It was 400 feet in depth with 35 feet of stainless steel screens.

HYDE PARK CULINARY WATER IMPROVEMENTS
HYDE PARK, UTAH

Steven served as the project engineer for the Hyde Park City Culinary Water Improvement Project. The project entailed constructing a 2.0MG water tank with appurtenances and piping, including distribution, transmission, and overflow lines. The project included a 12" transmission line from the 1.0 MG SV Tank, a distribution line from the Hyde Park Canyon Tank to the town, and a 10" pump line from the Greystone Tank to the Hyde Park Canyon Tank. At the Greystone Tank location, a new pump house was constructed. The new pipe included air/vacuum release valves, isolation gate valves, one PRV vault, and all other necessary fittings and appurtenances.

ADDITIONAL CULINARY WATER EXPERIENCE

- Providence Well BOR Grant
- Bear Lake Water Company Well Development
- Big Birch Spring and North Fork Spring Redevelopments
- Plymouth Tunnel Springs Redevelopment
- Plymouth 0.5 MG Water Tank
- Weston 0.5MG Water Tank
- Hyde Park 2.0MG Water Tank
- Laketown Water Improvements Project
- Weston Water Improvement Project
- Clarkston 300 North and 300 West Waterline Extension
- Hyde Park Post Office Well and 100 West Transmission Line
- Newton Water Conservation Plan
- Weston 2015 Water Facility Plan
- Clarkston Water Master Plan
- Laketown Water Master Plan
- Weston Water Master Plan
- Bear Lake Water Company Aspen Look and PRV 2017
- Bear Lake Water Company Sweetwater Parkway and PRV
- Newton Lateral Canal Piping Project
- West Cache Irrigation Company North and South Litz Laterals Piping
- West Cache Irrigation Company Hansen and Ezola Lateral Piping
- Nibley Blacksmith Fork Irrigation

Scott Archibald, PE

Principal in Charge/QA QC

EDUCATION
BS - Civil Engineering, Utah State University

YEARS IN PROFESSION
27; 27 with Sunrise

REGISTRATIONS
Professional Engineer:
Utah #334535
Idaho #10488
Wyoming #9488

MEMBERSHIPS
American Society of Civil Engineers (ASCE)

AREAS OF EXPERTISE
Storm Drainage
Culinary Water Systems
Hydrologic Analysis
Irrigation Systems
Water Rights
Water Quality
City Engineering
Site Engineering
Roadway Design
Wastewater Systems/Collection/ Treatment

Scott has 27 years of experience in the planning, design and construction management of municipal improvement projects. Many of the projects Scott has participated in include planning, funding coordination and acquisition, environmental clearance, technical design and coordination with regulatory agencies, construction administration, and GIS. He has served as project manager for several notable municipal projects, including an improvement to Hyde Parks' Well Transmission Line Project, and the Bear Lake Water Company Culinary Well and Transmission Line. He will use this experience to your benefit to ensure development and review turnaround times are met, contracts are performed in accordance with budget and schedule, and that Sunrise resources are organized to meet multiple needs simultaneously.

HYDE PARK CULINARY WATER IMPROVEMENTS
HYDE PARK, UTAH

Scott served as the principal-in-charge for the Hyde Park City Culinary Water Improvement Project. The project entailed constructing a 2.0MG water tank with appurtenances and piping, including distribution, transmission, and overflow lines. The project included a 12" transmission line from the 1.0 MG SV Tank, a distribution line from the Hyde Park Canyon Tank to the town, and a 10" pump line from the Greystone Tank to the Hyde Park Canyon Tank. At the Greystone Tank location, a new pump house was constructed. The new pipe included air/vacuum release valves, isolation gate valves, one PRV vault, and all other necessary fittings and appurtenances.

WHITE CITY WELL HOUSE #10
SANDY, UTAH

Sunrise designed this well to fit into a residential neighborhood in Sandy City. The design of the 1,200-square foot building was approved by the subdivision developer, which necessitated a cosmetic design that included a steep pitched roof. We worked closely with Sandy City to locate the well house within its zoning ordinances. Sound attenuation design was also included in this well house. This was a 20" diameter 1,000-foot deep well, pumping up to 3,000 GPM using a 1000-horse power vertical turbine. While determining the site location Sunrise did a source protection evaluation which included potential contamination sources, source hazards and a management plan for these potential contaminate sources. Scott served as the principal-in-charge for the project.

ADDITIONAL CULINARY WATER EXPERIENCE

- White City Well #10
- Bear Lake Water Company Sweetwater Park Well
- Bear Lake Water Company Country Club Drive Culinary Well
- Hyde Park Well PER Well Test Hole
- Grouse Creek Well & Spring Redevelopment
- Weston Culinary Well
- Herriman Hamilton Well
- Weston 500,000-Gallon Water Storage Tank
- Clarkston 650,000-Gallon Water Tank
- Hyde Park Culinary Water 2.0 MG Tank
- Hyde Park 1.5 MG Water Storage Tank
- Lincoln 200,000-Gallon Water Storage Tank
- Lower Family Foods 200,000-Gallon Tank
- Plymouth 500,000-Gallon Storage Tank
- Richville Concrete Storage Tank
- Weston Booster Pump Station
- Laketown Booster Pump Station
- Utah State University 2.0MG Thermal Energy Storage Tank
- Hyde Park City Booster Pump Station
- Hyde Park Water System Improvements
- Portage Water System Improvements
- Plymouth Water System Improvements
- Weston City Water Improvements
- Laketown Water System Improvements
- Herriman Culinary Water Improvements
- Bear Lake Water Co. PRV Vault Design

Cliff Linford, PE

Civil Engineer

EDUCATION
BS - Civil Engineering, University of Wyoming

YEARS IN PROFESSION
22; 21 with Sunrise

REGISTRATIONS
Professional Engineer
Utah #6311187

MEMBERSHIPS
American Public Works Association (APWA)

American Water Works Association (AWWA)

AWARDS
Project Manager, Utah Construction Design, Most Outstanding Water Project - Ogden City Water Treatment Plant 2015

Cliff Linford has excellent leadership skills and project management abilities. He has experience managing from small to large multi-discipline projects. He is an expert in master planning and modeling culinary water systems and wastewater collection systems. He has experience with water storage design, site development, well house design, well and spring development, transmission line design, pipeline replacement projects, and booster station design. He has worked with multiple municipalities across Utah. Cliff is a principal engineer and manages the Salt Lake Civil Department for Sunrise Engineering.

OGDEN WATER MASTER PLAN
OGDEN, UTAH

Cliff served as the water system modeling expert, overseeing all team members for the Ogden Water Master Plan project. Sunrise was hired to build a water model and prepare a culinary water master plan. Projects resulting from the master planning effort include the Monroe Water Line Replacement Project, the 23rd and 25th Street projects (both 24-inch transmission line replacements), various 6-inch, 8-inch, and 12-inch fire flow improvements, a pressure zone alignment changes, and Ogden City's treatment plant expansion, a 13.5 MGD micro-filtration facility with a future capacity of 17.5 MGD. In 2017, significant additions and improvements to the overall culinary water system such as new storage, upgraded distribution pipes, a new water treatment plant, and new transmission lines.

WHITE CITY WATER MASTER PLAN & WELL DESIGN
SANDY, UTAH

Cliff served as the water system modeling expert, overseeing all team members for the White City WID Master Plan and Well Design project, which consisted of a Preliminary Engineering Design to drill and construct Well 5a. The well was sized with a variable speed pump capable of pumping 2,500 gpm. Well house and supply pipeline plans, specifications and contract documents were prepared for construction. The well house and supply pipeline plans included mechanical piping including size and type of pump and motor; mechanical piping details; electrical sheets; structural detail sheets; supply line plan and profile sheets; and supply line detail sheets. Sunrise performed full- time construction observation for the well house and the supply pipeline.

ADDITIONAL CULINARY WATER EXPERIENCE

- Layton Booster Station CMU 1,300 sqft
- Kaysville Booster Station CMU 520 sqft
- WBWCD South Weber 24" Replacement Line
- Ogden 9th Street Booster Station
- Ogden 36th Street Booster Station
- Ogden 46th Street Booster Station
- White City Tank Farm Booster Station
- Ogden Treatment Plant Booster Station
- Nibley Blacksmith Fork Irrigation
- Herriman Hamilton Well
- White City Wells 5A, 10, 8, and 4
- Weber Basin Little Mountain 2.0 MG Tank
- Spanish Fork Malcomb Springs 5.0 MG Water Storage Tank
- North Ogden 2.0 MG Tank
- WBWCD Little Mountain 2.0 MG Tank
- Eagle Mountain 3.5 MG Tank (D115)
- Eagle Mountain 2.5 MG Tank
- Park City 2.0 MG Tank (D115)
- Layton Valley View 2.0 MG Tank (D115)
- Kaysville 1.0 MG Tank
- Herriman 5.0 MG Tank (D115)
- Stansbury 3.0 MG Tank (D115)
- CC Cragin Water Tank (D115 Type 1)
- Herriman 3.0 MG Tank (D115 Type 3)
- Herriman Zone 1 East 2.0 MG Tank
- Ogden North Storage 4.0 & 1.0 MG Tanks
- Payson Dual 2.5 MG Tanks

Steve Hansen, PE, SE

Structural Engineer

EDUCATION

MS - Civil Engineering, Brigham Young University, 2004

BS - Civil Engineering, Brigham Young University, 2002

YEARS IN PROFESSION

20; 15 with Sunrise

REGISTRATIONS

Professional Engineer
Utah #5048199
Wyoming #16103
Nevada #018101
California #70192
Arizona #59754

Structural Engineer
Utah No. 5048199

AWARDS

Excellence in Concrete Award (ACI Intermountain Chapter) - 2017 - Stansbury Park 3.0 MG Water Tank

Most Outstanding Water Project (Utah Construction and Design) - 2015 - Ogden City Water Treatment Plant

Steve has extensive experience in the structural design of municipal, commercial, industrial, and civil structures. He has been the EOR for municipal, commercial, and residential buildings including fire stations, town halls, medical clinics, well houses, office buildings, warehouses, visitor centers, etc. He has experience with water-related structures, such as concrete water and wastewater tanks, treatment plant facilities, and water structures in industrial environments such as mines and processing plants. He has also designed multiple civil site structures including culverts, retaining walls, buried vaults, and junction boxes. His industrial experience includes structural steel design for platforms, equipment supports, catwalks, pipe supports, and process tank supports.

SPANISH FORK MALCOMB SPRINGS 5.0 MG TANK
SPANISH FORK, UTAH

The Malcomb springs tank site feeds a large portion of the Spanish Fork. The culinary water master plan for the City identified the need to replace the existing 2.0 MG and 1.0 MG tanks at the Malcomb Springs tank site, and upgrade to a 5.0 MG water storage tank. A CMGC project delivery was used due to the tight schedule, which brought the contractor on board early. This allowed for demolition of the 1.0 MG tank while the new tank was constructed. The project included a new pre-stressed 5.0 MG buried water tank, 1,000 ft of water piping, and a buried control vault. Steve served as the structural engineer for tank design for the Malcomb Springs 5.0MG Tank project..

OGDEN 4.0 MG TANKS
OGDEN, UTAH

Steve served as the structural engineer for tank design for the Ogden 4.0MG Tank project. Sunrise completed a water model of Ogden's culinary water system, which discovered a 5.0 million gallon storage shortfall. We designed a 4.0 MG concrete tank, a 1.0 MG concrete tank, a 16-inch PRV station, a booster pump station, 3,000 lf of 24" transmission line and 1,500 lineal feet of 12" distribution pipe. Sunrise also designed the pressure zone realignment of the existing system. While performing this service, Ogden asked that Sunrise complete a fire flow study, which was performed for the entire water system using the calibrated water model we had produced for other Ogden projects. Based on the results of the model, corrective recommendations were offered and each improvement was given priority.

ADDITIONAL CULINARY WATER EXPERIENCE

- Weber Basin Little Mountain 2.0 MG Water Storage Tank
- Spanish Fork Malcomb Springs 5.0 MG Water Storage Tank
- MVWD Narrows. 3.1 MG Storage Tank
- Hyde Park 2.0 MG Storage Tank
- Kaysville City 1.0 MG Storage Tank
- Eagle Mountain 3.5 MG Storage Tank
- Layton Valley View 2.0 MG Storage Tank
- CC Cragin Water Storage Tank
- Herriman 5.0 MG Water Storage Tank
- Stansbury 3.0 MG Water Storage Tank
- USU Energy Water Storage Tank
- North Ogden City 2.0 MG Storage Tank
- Washington City Red Cliffs 2.0 MG Water Storage Tank
- Eagle Mountain 2.5 MG Storage Tank
- Eagle Mountain 4 MG Water Tank
- Herriman Zone 1 East 2.0 MG Tank
- Ogden 23rd St Reservoir project (38.2 MG, 15.2 MG, & 7.2 MG)
- Manila 1.3 MG Water Storage Tank
- Neola 0.5 MG Water Storage Tank
- Nephi Dual 1.5 MG Storage Tanks

Justin Atkinson

Funding Specialist

YEARS IN PROFESSION
31; 31 with Sunrise

CERTIFICATIONS
Drinking Water Operator Certificate, Level D2

Wastewater Collection and Treatment

PUBLIC SERVICE
Sanpete County Planning and Zoning, 2023 - present

Mt. Pleasant City Council, 2010 - present

Mt. Pleasant Planning and Zoning Commission, 2000 - 2010

Justin has been successful in obtaining millions of dollars in low interest loans and grants for Utah projects that include water, sewer, roads, buildings, irrigation, and parks and recreation projects. He has a close relationship with the agencies and boards that allocate money for a wide range of engineering and construction projects and has knowledge of state and federal agencies and their requirements.

COUNTRY CLUB WELL HOUSE & TRANSMISSION LINE
GARDEN CITY, UTAH

Justin was the funding specialist and grants writer for the Country Club Well House & Transmission Line project. The project consists of the design and construction of the Country Club Well House and the required transmission line that will connect to the existing system. The well house is a two-room building with a total exterior measurement of 26' x 30'. One room will be utilized as a pump room and houses the pump, pipping, chlorination equipment, and electrical equipment. The other room is a storage room accessed through a garage door. The project also included the design and installation of 1,100 feet of 10" pipe to convey the well water to the existing system. Eventually this 10" line will be extended further to become a dedicated pumping line when funds are available.

HYDE PARK CULINARY WATER IMPROVEMENTS
HYDE PARK, UTAH

Justin was the funding specialist and grants writer for the Hyde Park City Culinary Water Improvement Project. The project entailed constructing a 2.0MG water tank with appurtenances and piping, including distribution, transmission, and overflow lines. The project included a 12" transmission line from the 1.0 MG SV Tank, a distribution line from the Hyde Park Canyon Tank to the town, and a 10" pump line from the Greystone Tank to the Hyde Park Canyon Tank. At the Greystone Tank location, a new pump house was constructed. The new pipe included air/vacuum release valves, isolation gate valves, one PRV vault, and all other necessary fittings and appurtenances.

ADDITIONAL CULINARY WATER EXPERIENCE

- Eureka City Water Improvements
- Tridell-LaPoint Water Improvement District, Uintah County
- Payson Water Improvements
- Ogden City Water Treatment Plant
- Herriman City 5MG Water Tank
- Monroe City Water Treatment Plant
- Manti City
- Fairview City
- Copperton Improvement District
- KCWCD Zion View Estates Water Improvements, Kane County
- Mountain Green Sewer Improvement District Sewer Collection and Treatment Project
- Eureka City Sewer Collection and Treatment Project
- Fairview City Sewer Collection and Treatment Project
- Panguitch City Sewer Collection and Treatment Project
- Santaquin City Sewer Collection and Treatment Project
- Stockton Town Sewer Collection and Treatment Project
- Mexican Hat Special Service District, San Juan County Sewer Collection and Treatment Project
- Centerfield City Sewer Collection and Treatment Project

Li Qi, PE

Hydrogeology

EDUCATION

MS - Hydraulics and River Dynamics, North China Institute of Water Conservancy and Hydropower

YEARS IN PROFESSION

34; 24 with Sunrise

REGISTRATIONS

Registered Professional Engineer:
Utah #324020
Arizona #36032
Wyoming #PE9268

MEMBERSHIPS

American Society of Civil Engineers

Association of State Dam Safety Officials

Association of State Floodplain Manager

Li has extensive experience in water resources and civil engineering related projects. He is a licensed professional engineer registered in Arizona, Utah, and Wyoming, and an ASFPM certified floodplain manager. He has solid scientific knowledge in hydraulics, hydrology, mathematics and numerical modeling. As a project engineer or project manager, Mr. Qi has worked on various categories of design and study projects since he joined Sunrise's environmental division in 1998. These projects include natural and urban storm drainage, flood control, city storm drain systems, open channel hydraulics, two-dimensional surface water hydraulics, FEMA floodplain map revision, water supply systems (trunk and distribution lines, tanks, valve and pump stations), roadway drainage systems, hydroelectric power generation, dam safety, and drinking water source (well and spring) development and protection.

COUNTRY CLUB WELL HOUSE & TRANSMISSION LINE
GARDEN CITY, UTAH

Li performed the hydrogeology and source protection for this project, which consisted of the design and construction of the Country Club Culinary Water Well and the required transmission line that connects to the existing system. The well house is a two-room building with a total exterior measurement of 26' x 30'. The well house is divided in half such that two rooms are created: 2@ 13' x 30'. One room will be utilized as a pump room and will house the pump, pipping, chlorination equipment, and electrical equipment. The project also included the design and installation of 1,100 feet of 10" pipe to convey the well water to the existing system.

WHITE CITY WELL HOUSE #10
SANDY, UTAH

Sunrise designed this well to fit into a residential neighborhood. The design of the 1,200-square foot building was approved by the subdivision developer, which necessitated a cosmetic design that included a steep pitched roof. We worked closely with Sandy City to locate the well house within its zoning ordinances. This was a 20" diameter 1,000-foot deep well, pumping up to 3,000 GPM using a 1000-horse power vertical turbine. While determining the site location Sunrise did a source protection evaluation which included potential contamination sources, source hazards and a management plan for these potential contaminate sources. Li performed the hydrogeology and source protection for this project.

ADDITIONAL CULINARY WATER EXPERIENCE

- Willow Creek Water Company New Well
- Bear Lake Water Company Country Club Drive Well
- Town of Garden City Spring
- Town of Manila Sols Canyon & Tank Side Wells
- Clay Basin – Questar Well
- White City Water Improvement District Wells #5A and #10
- 10+ Wells/Springs Design & Construction for Cities in Utah
- West Cache Irrigation Company Hansen and Ezola Piping Project
- West Cache Irrigation Company Hansen and Ezola Lateral Piping
- Nibley Blacksmith Fork Irrigation
- Town of Manila Water Tank Design & Water Transmission Line Improvement
- Herriman City Culinary Water Improvement
- White City Water System Improvement
- Strawberry Hills Water Supply Study
- Fox Hollow Centralized Water Supply Study

Bryce Thompson, EIT

Structural Designer

EDUCATION
BS, Civil Engineering, w/ minor in Mechanical Engineering, Utah State University

YEARS IN PROFESSION
4; 2 with Sunrise

Bryce graduated with a degree in Civil Engineering and a minor in Mechanical Engineering. His journey at Sunrise Engineering has been marked by significant accomplishments, including spearheading multiple structural tank projects such as the Shell Friesian Digesters and acting as Project Manager for a 2.0-million-gallon tank in North Ogden City. In addition to contributing to custom homes, masonry buildings, underground structures, and tanks, Bryce's commitment and expertise have greatly impacted the structural team. Prior to joining Sunrise, Bryce gained over two years of experience as a Quality Control Specialist in Government Construction, a foundation that has enriched his role in shaping impressive projects and advancing the firm's success. Projects he completed during this time included Hill Air Force Base Apron project, which included approximately one million square feet of airfield paving, as well as serving as the structural quality control specialist for the navy operations support facility at Hill Air Force Base, which included a 30,000-square foot multi-use building for the navy on the air force base.

SPANISH FORK MALCOMB SPRINGS 5.0 MG TANK
SPANISH FORK, UTAH

The Malcomb springs tank site feeds a large portion of the Spanish Fork. The culinary water master plan for the City identified the need to replace the existing 2.0 MG and 1.0 MG tanks at the Malcomb Springs tank site, and upgrade to a 5.0 MG water storage tank. A CMGC project delivery was used due to the tight schedule, which brought the contractor on board early. This allowed for demolition of the 1.0 MG tank while the new tank was constructed. The project included a new pre-stressed 5.0 MG buried water tank, 1,000 ft of water piping, and a buried control vault. Bryce served as the structural designer for tank design for the Malcomb Springs 5.0MG Tank project..

HYDE PARK CULINARY WATER IMPROVEMENTS
HYDE PARK, UTAH

Bryce served as the structural designer for the Hyde Park City Culinary Water Improvement Project. The project entailed constructing a 2.0MG water tank with appurtenances and piping, including distribution, transmission, and overflow lines. The project included a 12" transmission line from the 1.0 MG SV Tank, a distribution line from the Hyde Park Canyon Tank to the town, and a 10" pump line from the Greystone Tank to the Hyde Park Canyon Tank. At the Greystone Tank location, a new pump house was constructed. The new pipe included air/vacuum release valves, isolation gate valves, one PRV vault, and all other necessary fittings and appurtenances.

ADDITIONAL CULINARY WATER EXPERIENCE

- BLSSD Lift Station & Transmission Line
- Cedar City Cody Drive
- Cedar City Emergency Improvements
- CMFPD Station 3
- Quiet Valley Lift Station
- HF West Tank Farm Platforms Engineering
- Hyde Park Wolfpack Way
- Lincoln County Fairgrounds - Phase III
- Mantua Fish Hatchery
- Mapleton Ira Allan Park Restroom/ Storage
- Mountain Green BNR Wastewater Treatment
- PacifiCorp Weber Dam Engineering Review
- Ruiz Engineering Services
- Saddlebrooke WRP Expansion
- UDOT Murray M54 Wash Rack Cover Code Review
- Merrick-Shell FRS Digesters
- North Ogden City 2 MG Water Tank
- Frazier Spec Home
- Long Valley Booster Pump Station
- Nucor Tarping Shed Foundation
- Springdale Filter Building

Jaison Hardman, PE

Pipeline Design Lead

EDUCATION
BS - Civil Engineering, Utah State University, 2019

YEARS IN PROFESSION
5; 5 with Sunrise

REGISTRATIONS
Professional Engineer:
Utah #13578623

Jaison started his engineering career as an Intern for the City of Burley, Idaho. He has experience assisting with reports for various projects, hydraulic modeling for master plans, and various excel spreadsheets such as water usage and rates analysis. Since joining the Sunrise Engineering team, he has served as project manager and assistant project manager on several water and wastewater infrastructure projects for both municipal and private clients. He has also been involved with preliminary engineering reports, water and wastewater master plans, various water and wastewater improvement projects, and capital facilities plans.

MILFORD WATER IMPROVEMENTS
MILFORD, UTAH

The Milford Water Improvements project consisted of extensive upgrades to the city's water system. Sunrise designed improvements including drilling and equipping a new culinary water well equipped for flows up to 1,000 gpm, rehabilitation of the city's existing well, construction of a new 600K-gallon storage tank, a new multi-stage booster pump system capable of accommodating the city's water demand, upgrading approximately 13,000 feet of distribution piping to improve fire flow, and replacing all culinary water meters in the distribution system with mesh-networked radio-read meters and dual-check backflow prevention. Jaison served as the pipeline design lead on the water storage tank.

GOSHEN WATER STORAGE TANK
GOSHEN, UTAH

Sunrise assisted Goshen through the process of master planning, funding acquisition, design, permitting, and construction of the Goshen Town Culinary Water Improvements Project 2022. Funding was obtained through USDA Rural Development. I acted as the assistant project manager through the design and construction management phases of the project. The projected included construction of a new 500,000 gallon concrete storage tank, replacing 13 fire hydrants, replacing approximately 7,280 feet of aging cast iron pipe, and upsizing an additional 14,050 feet of pipe. The project also included the installation of an electronic SCADA system.

ADDITIONAL WATER EXPERIENCE

- Weber Basin Little Mountain 2.0 MG
- Fillmore City Flood Mitigation
- Minersville Culinary Water Improvements Project
- Loa Town Water Improvements
- Holden Water Improvements Project
- Milford Water Project
- Goshen Water Improvements
- Bluff Town Water Study
- KCWCD 40-Year Water Right Plan
- Tropic 40-Year Water Right Plan
- Thompson Springs Water Master Plan
- Loa Town Water System Evaluation
- Spring City Water Master Plan
- St. Charles Water Facility Plan
- Holden Water Improvements Project
- Spanish Fork West Interchange Sewer Trunkline
- Intermountain Power Service Co. Sewage Lagoon
- Delta City Sewer System Review
- Six County AOG Agri-Park Feasibility
- Spring City Wastewater Improvements

Haiming Peng, PE

Hydraulic Design and Modeling Engineer

EDUCATION

MS - Civil Engineering, University of Missouri

BS - Engineering, Taiyuan University of Technology

YEARS IN PROFESSION

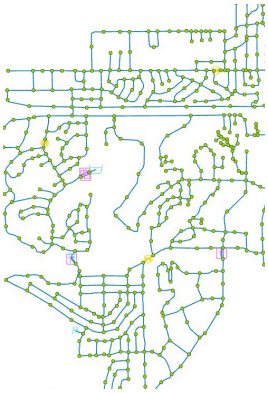
5; 1 with Sunrise

REGISTRATIONS

Professional Engineer
Utah #13225273
LEED AP BD+C
No. 0000000096100735

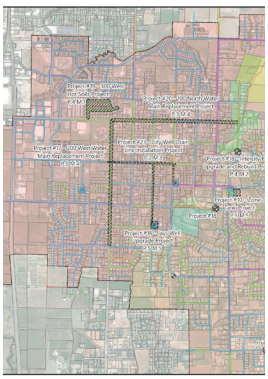
Haiming Peng is a licensed professional engineer specializing in land development projects as well as design and modeling for both stormwater management and water distribution. His projects encompass multi-family developments in Mid-America and roadways and bridges in the southwest district. Engaging in the full lifecycle of site development, Haiming's responsibilities have spanned preparing feasibility studies, site plans, cost estimates, stormwater controls, water usage reports, SWPPPs, specifications, and shop drawings. He also performs construction observations. Moreover, he has developed and reviewed models, completed calculations, reports, and plan checks related to drainage design.

Haiming is adept at using AutoCAD Civil 3D and OpenRoads Designer for design purposes, HEC-RAS and SMS for flood control and stormwater management, and InfoWater Pro for water distribution modeling. He holds a LEED AP BD+C certification, specializing in the design and construction phases of green building across commercial, residential, education and healthcare sectors.



NORTH LOGAN CULINARY WATER MASTER PLAN
NORTH LOGAN, UTAH

Haiming served as the hydraulic design and modeling engineer for the North Logan Culinary Water Master Plan project. The project entailed 69 miles of pipe ranging from 2 inches to 16 inches. In 2023, the system served 2,700+ connections for a population of 11,600 people. Average daily water use for the North Logan system is 1,700,000 gallons per day. Four concrete tanks with 3M gallons of storage were included in the master plan design.



PROVIDENCE CULINARY WATER MASTER PLAN
PROVIDENCE, UTAH

Haiming served as the hydraulic design and modeling engineer for the Providence Culinary Water Master Plan, which included 53 miles of pipe ranging from 2 inches to 16 inches. The water system served 2,400 connections with a population of 8,300 people. The average daily water use for the system is 2,700,000 gallons per day. The master plan included the construction of six concrete tanks with 5.6M gallons of storage.

ADDITIONAL WATER EXPERIENCE ELECTRICAL PROJECTS

- Agri Serv Hardin Irrigation
- BLCW Panaroma Drive 2023
- BLCW Culinary Water Master Plan 2022
- Clarkston Town General Engineering
- Hobbled Dog Cidery
- Hyde Park City Culinary Water Well
- Hyde Park Drinking Water Source Protection Plan Update and North Canal Optimization
- Hyde Park Storm Water Master Plan
- Hyrum Farm Development
- Logan City 200 North & 400 North Sewer Improvements
- Nibley Blacksmith Fork Irrigation Company On-Call Services
- North Logan City Culinary Water Master Plan
- PacifiCorp – Grace Flowline Replacement - Design Services and Field Investigation SIC Secondary Metering 2022
- St. Charles Water Facility Plan
- Nibley Storm Water Master Plan
- Weston City Waterline Extension
- Newton Water Users Metering Project

Angela Xia, PE

Pipeline Design Engineer

EDUCATION
BEng - Water Supply and Sewage Engineering, Tongji University

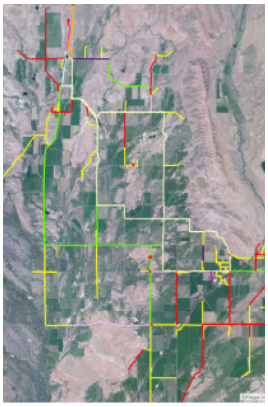
MS - Civil Engineering, University of Illinois at Urbana-Champaign

YEARS IN PROFESSION
9; 2 with Sunrise

REGISTRATIONS
Registered Professional Engineer
Utah #11099227

CERTIFICATIONS
NASSCO PACP Certified - U-0819-70306755

Angela has nine years of experience in the field of civil and water resources engineering. She specializes in the design of water transmission mains (up to 66 inches in pipe diameter) and gravity sewer systems (up to 36 inches in pipe diameter). Her project experience includes pipeline design, water and sewer master planning, land development, canal system design, hydrologic and hydraulic analysis, and network modeling. She is also skilled in civil site design which involves grading, drainage, yard piping, erosion, and sediment control. Angela is an expert in AutoCAD Civil 3D. She has been the CAD/BIM lead on several large-scale multi-disciplinary projects. Her other software skills include InfoSewer, InfoWater, InfoWorks ICM, EPA SWMM, ArcGIS, HEC-HMS and HADES. Angela is currently a registered professional engineer in the State of Utah and also a certified PACP (Pipeline Assessment Certification Program) professional.



OGDEN CANYON 36" WATER TRANSMISSION MAIN REPLACEMENT
OGDEN, UTAH

The Ogden Canyon Water Transmission Main Replacement Project, currently in the preliminary design phase, consists of the replacement of an 88-year old 36-inch diameter shot-coat steel water line that is 4.2 miles long, and all its associated appurtenances. This water transmission line conveys water from the 13.5 MGD Ogden Water Treatment Plant to the 23rd St Reservoirs, which is a vital water source for Ogden. The existing pipeline is located along Ogden Canyon, adjacent to steep canyon walls and the Ogden River, which makes open-trench installation challenging during construction. Angela serves as the lead civil engineer, overseeing the project design. She is also managing the project, and is helping the client obtain necessary permits, apply for fundings, acquire CM/GC contractor, and manage subconsultants.

WHITE CITY 10000 SOUTH WATER TRANSMISSION LINE
SANDY, UTAH

Angela was the design engineer for the installation of approximately 5,782 LF of 18-inch restrained joint ductile iron pipe and 1,792 LF of 12-inch restrained joint ductile iron pipe for culinary water. The proposed water transmission main ties in to White City's existing water system at three locations. Project included installation of fittings, valves and appurtenances associated with the proposed water transmission main.

ADDITIONAL WATER EXPERIENCE ELECTRICAL PROJECTS

- Norda Stelo Mine Administration Facilities
- North Ogden Connection
- Ogden Airport Water & Sewer Master Plan
- Ogden Canyon 36" Water Transmission Main Replacement
- Ogden Country Hills PRV Station
- Ogden Sewer Master Plan Update
- White City 10000 South Water Transmission Line
- Ogden City Water Master Plan Update
- Ogden BDO Water Expansion - 2nd Street Waterline Replacement
- Ogden Rodeo Arena Improvements
- Splash Pads - Heber City and Spanish Fork, Utah

Randy Knapp, PE, EE

Electrical Engineer

EDUCATION
B.S. - Electrical Engineering,
University of Utah

YEARS IN PROFESSION
26; 13 with Sunrise

REGISTRATIONS
Professional Electrical Engineer:
Utah No. 362066
Idaho No. 15092
Wyoming No. 13620
Nevada No. 022519
Arizona No. 53659

AREAS OF EXPERTISE
Electrical Engineering
Solar PV
Power System Modeling
SCADA

As a project manager for Sunrise Engineering, Randy brings to the table 26 years of experience designing power and control systems for commercial, municipal, utility, and industrial projects. His expertise includes the design, programming, start-up, and support for many control and data acquisition (SCADA) projects. Included in his past projects, Randy has been responsible for the design, programming, installation, and system management of water and wastewater systems for municipal clients, power system studies to include fault current analysis, load flow analysis, protective relay coordination, arc flash hazard analysis, electrical system designs and specifications for municipal pumping stations, commercial office buildings, hotels, and schools. He has also completed facility upgrades for similar facilities. Randy is proficient with AutoCAD and SKM Power Tools for Windows, and is familiar with ETAP Powerstation.

HERRIMAN HAMILTON WELL
HERRIMAN, UTAH

During the siting of the well Sunrise Engineering prepared all necessary source protection documents including a preliminary evaluation report and source protection plan. Sunrise was involved throughout the drilling, design, and construction of the Hamilton Well. The 1,600 gallon per minute well is protected by a 600 square-foot well house. Sunrise included a sound attenuation design into this well house because of its close proximity to residential homes. Sunrise specified the use of a 350 horse power vertical turbine and a custom designed pump for the waste system. The exterior of the building was designed to match other Herriman City buildings. Randy served as the electrical engineer for this project.

LAYTON 2.0 MG TANK & BOOSTER PUMP STATION
LAYTON, UTAH

One of Layton City's main water storage tanks needed to be relocated in order to create space for a major road widening of SR89. To replace this tank, the City elected to construct a new 2.0 MG tank on city owned property. This project includes design of a pre-stressed AWWA D115 tank along with a booster station designed to pump approximately 4,000 gpm to an existing higher pressure zone tank. The design also included 1,000 linear feet of 18-inch overflow pipe that flows to Snow Creek. In addition, the project required coordination with the Weber Basin WCD and UDOT. Randy served as the electrical engineer for the booster station in the project.

ADDITIONAL WATER EXPERIENCE ELECTRICAL PROJECTS

- Weber Basin Little Mountain 2.0 MG Tank 2022
- North Ogden 2.0 MG Tank
- Spanish Fork 5.0 MG Tank 2021 (In Construction)
- Eagle Mountain 3.5 MG Tank
- Herriman 5.0 MG Tank and Supply
- Herriman 2.0 MG Tank and Supply
- Hyde Park 2.0 MG Tank 2021
- Ivins Cliff Rose 2.o MG Tank
- Kaysville 1.0 MG Tank
- Layton Vally View Tank
- Stansbury Park Water Storage Tank
- Stockton Town Emergency Water Tank
- Kemmerer-Diamondville JPB 1.5 MG Water Storage Tank
- Nephi Dual 1.5 MG Tanks
- Best Friends Booster Station Upgrades
- Kaysville Orchard Ridge Tank Pump Station
- Thayne Booster Pump Station
- White City Water Improvement District Booster Station Stand-by Generator
- White City Water Improvement District Booster Station Upgrade

Mike Hare, PE

Instrumentation and Control Systems, SCADA

EDUCATION

BS - Mechanical Engineering, Programming Emphasis, Brigham Young University

YEARS IN PROFESSION

7; 2 with Sunrise

REGISTRATIONS

Registered Professional Engineer
Utah #13487586
Nevada #030345
Idaho #22301
Wyoming #19788

Control Systems
California #C57670
Idaho #22301
Wyoming #19788

Mike Hare joined Sunrise with six years of engineering experience in control systems, mechanical engineering, and programming. For the past five years, Mike worked as a controls systems integrator in the municipal water and wastewater industry. His experience during this time included automation and control systems for wells, tanks, treatment plants, booster stations, lift stations, valve control, irrigation control, process monitoring, etc. He completed projects with scopes ranging from design through installation and startup. Additionally, Mike designed, built, programmed, installed, and serviced RTUs and other controls/telemetry equipment. He holds a professional engineering license in mechanical engineering, as well as in control systems.

HOLDEN CULINARY WATER SYSTEM MASTER PLAN
HOLDEN, UTAH

Mike completed the instrumentation controls and SCADA tasks associated with the Holden Culinary Water System Master Plan project. The plan reviewed the water rights, water sources, storage tanks, distribution system, and water treatment components of the water system. The Town's distribution system was modeled with hydraulic modeling software to calculate available fire flow and future projected flows. The plan then provided a summary of recommended improvements to meet existing and future culinary water needs for each of the components of the system. The master plan estimated the costs for each of the recommended improvements and summarized funding options that the town could pursue.

MORONI CULINARY WATER IMPROVEMENTS
MORONI, UTAH

Sunrise conducted a study to identify options for reducing the nitrates. The city chose to drill a new well in an area that was believed to have a good supply of water low in nitrates. The study also identified some additional improvements. The project included a test well, new production well, pump line, concrete storage tank, overflow junction box, and overflow line. These improvements increase the source and storage capacity, add an additional low nitrate water source, provide redundant well pump lines, and options for operating their system. Mike completed the instrumentation controls and SCADA tasks associated with the project.

ADDITIONAL WATER EXPERIENCE INSTRUMENTATION CONTROLS & SCADA PROJECTS

- Buckeye Shadow Canyon Booster Station
- Buckeye Shadow Canyon Lift Station
- ACSSD Water Project
- Bridgerland Water Improvements Project
- Holden Water Improvements Project
- Kane County Water Improvements
- Wilson Arch SSD Improvements

Jarom Hlebasko, GISP

GIS Specialist

EDUCATION

BS - Engineering Technology, Southern Utah University, 2007

AAS - Design Technology, Southern Utah University, 2007

2 Yr GIS Certificate, Southern Utah University, 2007

1 Yr Civil Design Certificate, Southern Utah University, 2007

YEARS IN PROFESSION

18; 17 with Sunrise

REGISTRATIONS

GISP Licensed #49890

MEMBERSHIPS

UGIC - Utah Geographic Informations Council

WyGEO - Wyoming Geospatial Organization

Jarom has been involved with numerous GIS projects throughout the states of Utah, Wyoming, Idaho, Arizona, and Nevada. He has 16+ years of experience with Sunrise providing mapping services and analysis through various ArcGIS software, much of which have been in the areas of utility mapping (water distribution systems, sanitary sewer systems, storm water systems, irrigation systems, and power/electrical systems), transportation, and facility management. Jarom has extensive experience and knowledge in ESRI Software and Extensions, ArcGIS Online for Organizations, and GPS data collection methods. Jarom has hands-on managing experience with ArcGIS for Server providing and maintaining hosted services, versioning workflows, disconnected editing, synchronization, SDE databases, and best practices for publishing content. Jarom also utilized ArcGIS for Server in the creation of custom Web applications based on the client's needs. Other areas Jarom has proficiency in include parcel development, 3D analysis, spatial analysis, raster analysis, topology, geodatabase design and organization, and cartography.

OGDEN WATER MASTER PLAN

OGDEN, UTAH

Jarom served as the GIS specialist, overseeing all team members for the Ogden Water Master Plan project. Sunrise was hired to build a water model and prepare a culinary water master plan. Projects resulting from the master planning effort include the Monroe Water Line Replacement Project, the 23rd and 25th Street projects (both 24-inch transmission line replacements), various 6-inch, 8-inch, and 12-inch fire flow improvements, a pressure zone alignment changes, and Ogden City's treatment plant expansion, a 13.5 MGD micro-filtration facility with a future capacity of 17.5 MGD. In 2017, significant additions and improvements to the overall culinary water system such as new storage, upgraded distribution pipes, a new water treatment plant, and new transmission lines.

MILFORD WATER IMPROVEMENTS

MILFORD, UTAH

The Milford Water Improvements project consisted of extensive upgrades to the city's water system. Sunrise designed improvements including drilling and equipping a new culinary water well equipped for flows up to 1,000 gpm, rehabilitation of the city's existing well, construction of a new 600K-gallon storage tank, a new multi-stage booster pump system capable of accommodating the city's water demand, upgrading approximately 13,000 feet of distribution piping to improve fire flow, and replacing all culinary water meters in the distribution system with mesh-networked radio-read meters and dual-check backflow prevention. Jarom served as the GIS Specialist on the water storage tank.

ADDITIONAL WATER EXPERIENCE GIS PROJECTS

- Mt. Pleasant GIS Mapping & Management Services
- Loa GIS Cemetery Mapping Services
- City of St. Johns GIS On-Call Services
- Angell Springs GIS Mapping Project
- Tonaquint Cremation Garden Plat Recording
- MMAD GIS Mapping & Management Services
- Eureka GIS Cemetery Mapping Services
- Toquerville GIS Cemetery Mapping Services
- Rich County GIS Mapping & Management Services
- Escalante City GIS Cemetery Services
- Corinne Cloud SMART GIS Services
- Long Valley Sewer Improvement District CloudSMART GIS
- Hyrum GIS Cemetery Mapping Services
- CUWCD
- Fairview, Utah Treatment Plant
- Fillmore, Utah Booster Station
- Perry/Willard, UT Wastewater Treatment Plant
- Sevier County School District
- Washington Water Treatment Plant

Dale Robinson, PLS

Topographic and Boundary Survey

EDUCATION

B.S. - Geography, Utah State University, 1990

AAS - Surveying, Salt Lake Community College, 2009

YEARS IN PROFESSION

32; 30 with Sunrise

REGISTRATIONS

Professional Land Surveyor:

Utah #189369
Arizona #29271
California #8272
Idaho #9303
Nevada #13486
New Mexico #17536
Wyoming #17228

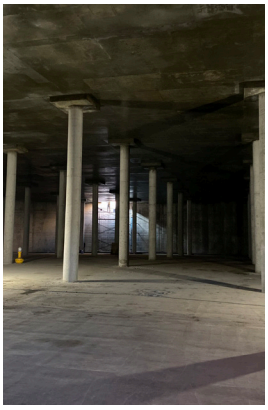
MEMBERSHIPS

Utah Council of Land Surveyors (UCLS)

Civil Engineers Council of Utah (CECU)

Contracted with Millard County as the County Surveyor 2009 to present

Dale is experienced in all aspects of survey, including cadastral/boundary survey, mapping, planimetric, topographic, and utility survey, construction survey, field engineering, right-of-way, and easement surveys. He also has extensive experience in conventional and GPS field procedures, computer calculations, and map preparation using AutoCAD and Microstation.



EAGLE MOUNTAIN 3.5 MG TANK
EAGLE MOUNTAIN, UTAH

Facebook chose Eagle Mountain as a location for their latest data center, which will use a large amount of water due to the cooling requirements inherent to their facility. In order to provide sufficient water and maintain state-required storage for their water system, the City needed to construct a new water tank. The tank is an AWWA D115 pre-stressed buried concrete tank and is located right next to the existing City Center tank. The height of the new tank walls matched the existing tank. Dale served as the survey manager for this project. During construction, the access road to the tank needed improving as storm water drainage washed out portions of the road. This project was a fast-tracked, high- profile infrastructure project. Our team committed to completing the design quickly in order to expedite construction in order to meet the timeline of Facebook. The project involved collaboration with several stakeholders and was completed on time.

HERRIMAN 2.0 MG CULINARY WATER TANK
HERRIMAN, UTAH

Due to extreme growth and development, Herriman needed to construct a 2 MG water tank. The 156-foot diameter concrete tank is a buried tank with conventionally reinforced, 16-foot tall walls. The project included a custom, half buried walk-in control vault used as a booster station. The tank is fed by a 1200-foot long, 24-inch supply line. As part of the design, it was necessary to obtain several easements for the supply line as it had to traverse several the properties. This project also included design of a large detention pond and Sunrise had to coordinate with UDOT on the allowable flow into their system. This tank allows significant development to occur in the southeast part of Herriman. The walk-in control vault acts as a booster station to move water to the next pressure zone allowing for continued growth in the City. Dale served as the survey manager for this project.

ADDITIONAL SURVEY EXPERIENCE

- Spanish Fork 5.0 MG Tank
- Kaysville 1.0 MG Tank
- Nephi Dual 1.5 MG Tanks
- Eagle Mountain 3.5 MG Tank
- Ogden North Storage 4.0 & 1.0 MG Reservoir
- Eagle Mountain 2.5 MG Water Tank
- Herriman Zone 1 East 2.0 MG Water Tank
- Stansbury 3.0 MG Water Tank
- Ivins 2.0 MG Tank
- Herriman Zone 2 North 5.0 MG Water Storage Tank
- Payson Dual 2.5 MG Tanks
- Manila 1.3 MG Water Tank
- Ogden Water Treatment Plant
- Holliday Water Treatment Plant
- Payson Raw Water Pipeline
- Perry/Willard Wastewater Treatment Plant
- Mountain Green Sewer Improvement District Wastewater Treatment Plant
- Fredonia Wastewater Treatment
- KUCC RH Selenium Treatment Survey
- Manti Wastewater Treatment Improvement Project Phase I
- Stockton Town Wastewater Treatment
- Willard Treatment Plant

Jeff Putzke

Public Information & Involvement

EDUCATION

BS - Meteorology, St. Cloud State University

BS - Aviation Science, St. Cloud State University

YEARS IN PROFESSION

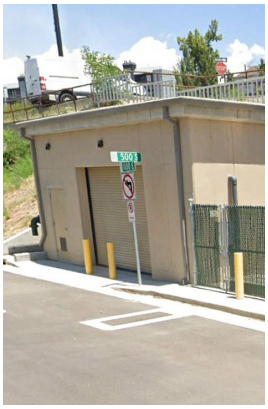
10; 5 with Sunrise

CERTIFICATIONS

Planning and Techniques Certification, International Association of Public Participation (IAP2)

Public Communications, American Meteorology Society (AMS)

Jeff is the Public Involvement Manager at Sunrise Engineering. He has been tapped with organizing public outreach campaigns for our municipal clients by building consensus from business and residential stakeholders. He has a proven record of fielding and responding to inquiries with the public through multiple digital channels, newsletter publications, and training workshops. His experience includes community outreach and involvement for municipalities and state agencies throughout Utah. He has successfully gained public support through communications programs for projects including the Ron Wood Park in West Jordan, Utah, and the US 6 Rehabilitation project for the Utah Department of Transportation.



SLC DEPARTMENT OF UTILITIES 500 S 1000 E PRV STATION REDESIGN & REBUILD

SALT LAKE CITY, UTAH

This urban public works infrastructure project heavily impacted the community due to the scale of excavation adjacent to residential transportation routes and public/private parking space(s). Scope included two open house for high-rise condominium HOA board/tenants, and specialty bed & breakfast per early AM construction. A traditional public phone hotline and email address were advertised and maintained. Numerous business and residential property stakeholders were updated regularly with a custom website (https://putzke1.wixsite.com/Putzke), subscription email marketing and varied boot-on-the-ground notifications.

HEBER CITY WATER/SEWER REPLACEMENT PROGRAM PHASE 1

HEBER, UTAH

PI effort ongoing at 22-mo. of a 36-month project. Sewer/Water main and laterals replaced through nearly one-third of old-town Heber City. This has been an all- inclusive public involvement scope using several communication channels, including multiple open houses, festival Q&A booths, dedicated website (Heberproject.com), bi-weekly construction meetings, ROW dispute mediation, and property access coordination.

ADDITIONAL CULINARY WATER EXPERIENCE

- SLCDPU 10th E 500 S PRV Station Including Hydropower
- Ashley Valley Water and Sewer District 500 West/500 E Sewer Addition
- Heber City Water/Sewer Replacement Program Phase 1
- Weber County Upper Valley Sewer Study North Wastewater Evaluation
- Ogden Canyon 36" Water Line Survey
- West Jordan Ron Wood Park Phase III
- Approved Public Involvement Consultant for the Utah Department of Transportation
- Public Involvement Consultant for Wasatch Front Regional Council/Mountainland Association of Governments
- 2000 North; 1500 West to Vernal Ave
- 500 North; Vernal Avenue to 500 East
- Logan Canyon Fiber Optic Communications
- Ogden Canyon Right of Way Phase III
- Spanish Fork & Mapleton Pavement Rehabilitation
- SR-208; US-40 Fruitland to SR-35 Tabiona
- SR-30; Center Turn Lanes Buttercup Lane
- SR-63/SR-12 Roundabout and Rehab.
- SR-87; SR-35 to MP 16
- US-6 & Powerhouse Rd Spanish Fork
- US-6; MP 115.26 to MP 123
- US-89; 10600 South to 9000 South

Greg Martin

Right of Way Coordination/Land Acquisition Specialist

EDUCATION
General Studies, Weber State University

YEARS IN PROFESSION
10; 1 with Sunrise

REGISTRATIONS
SR/WA in IRWA

Licensed Real Estate Agent, Utah

MEMBERSHIPS

International Right of Way Association (IRWA)

Salt Lake Board of Realtors

Greg has over 30 years of experience with technical delivery and management in the right-of-way, real estate, public Involvement and title insurance industries. He holds the SR/WA designation with IRWA, the highest professional designation among Right of Way professionals. His career experience includes team management, establishing and maintaining quality control, researching the historical records of real property, project budgeting and scheduling, property valuations, negotiations with landowners and local municipalities, and public outreach and communications.

Additionally, Greg has managed multiple right-of-way projects throughout Utah, Idaho, Arizona and North Carolina as a Senior Right of Way Agent. Each of these projects has helped develop Greg's ability to listen to each landowner, clearly manage expectations and work to resolve concerns within the confines of the laws to protect both the landowner and the municipality. He is appreciated for his services in real estate consulting and public involvement communications for clients including UDOT, Rocky Mountain Power, Provo City, Bluffdale City, Idaho Falls Power, Arizona DOT, and HW Lochner partnering with North Carolina DOT.

Greg is experienced with all aspects of project management and coordination related to working with landowners on municipal projects, survey plan review, real property acquisition, budgeting and scheduling, review and dissemination of appraisals and title reports, mediation settlements and condemnation processing. He has an outstanding record with negotiated and closed real property transactions, under eminent domain and without. Greg has developed a detailed understanding of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, while implementing processes in compliance with changing rules and local statutes. He has also acquired property and permits on behalf of UDOT and local municipalities, together with relocation and real property asset management as needed.

MUNICIPALITY TRANSPORTATION EXPERIENCE

- Paragon Partners, Rocky Mountain Power 500 kV Transmission Corridor, Utah, Colorado and Wyoming.
- Consultant Engineering, Inc., ADOT West Valley Storage Solutions Facility Relocation to facilitate the I-10/59th Avenue Corridor, Phoenix Arizona.
- Established a Utah branch of right-of way services for the Arizona based CEI.
- HDR, UDOT Mountain View Corridor Right-of-Way Services, 35 miles planned freeway, transit, and trail system in western Salt Lake and northwestern Utah counties, crossing thirteen municipalities.
- HDR, UDOT I-15 New Interchange at 11400 South Right-of-Way Services. 11400 South was an UDOT design-build project of a new SPUI interchange and construction of 5 miles of five-lane urban arterial westward of the new interchange through South Jordan, Draper, and Sandy.
- HDR, UDOT Access Utah County Right-of-Way Services. AUC was five distinct UDOT design-build projects designed to improve traffic mobility in the Utah County area.
- HDR, Bluffdale City – 2700 West and Loumis Parkway Right-of-Way Services.
- HDR, HW Lochner - Raleigh, NC, NCDOT Triangle Expressway, SE Extension – Right of Way Cost Estimate and Relocation Impact Study.
- HDR, UDOT Bangerter Highway and Redwood Interchange. UDOT constructed a grade-separated interchange to replace the existing intersection.
- HDR, Horrocks-Provo Westside Connector Right-of-Way Services, a new feeder roadway for Provo City to improve commuting and traffic flow from I-15 to the Provo Municipal Airport.
- HDR, Idaho Falls Power North Loop Right-of-Way Services. Completion of a 161KV loop around Idaho Falls.
- UDOT, SR-36 Tooele ROW Services. HDR provided ROW acquisition services related to widening and reconstruction of highway from 2600 North to 3 O'Clock Drive in Tooele City, Utah.

William D. Loughlin, PG
Principal Hydrogeologist

Loughlin Water Associates, LLC

SUMMARY

Bill Loughlin is a hydrogeologist and founder of Loughlin Water Associates, LLC. Bill has more than 40 years of water resource consulting experience including the exploration, development, and assessment of groundwater resources, trouble shooting and rehabilitation of wells and springs, drinking water source protection, source capacity and water quality assessment, and technical support and expert witness testimony for water right and water-related litigation. Bill serves on several State and professional geological and water resource related boards and as invited lecturer in hydrogeology, well design and testing, and groundwater issues for water law continuing education conferences, the Rural Water Association of Utah, and the Utah Division of Drinking Water (DDW).

EDUCATION

MS Geology, emphasis in hydrogeology, University of Wyoming, 1983
MS thesis: "*Hydrogeologic Controls on Water Quality, Groundwater Circulation, and Collapse Breccia Pipe Formation in the Western Part of the Black Mesa Hydrologic Basin, Coconino County, Arizona.*"
BS Geology, emphasis in structure and stratigraphy, University of Wyoming, 1978
Continuing education in hydrogeology, well mechanics, water resources, water quality, geology, water rights, and related topics

REGISTRATIONS/AFFILIATIONS

Professional/Registered Geologist: Utah, Wyoming, and Arizona
Utah Geological Survey Board: 2009 to 2017 (Chair 2012 - 2013)
Utah State Geologic Mapping Advisory Committee: 2009 to present (Chair 2009-2016)
Utah Professional Geologist Licensing Board: 2007 to 2015 (Chair 2014 - 2015)
Gorgoza Mutual Water Company Board: (2014 to present)
Utah Geological Association (UGA): President (2016 to 2017)
Utah Groundwater Association (UGWA) - Past Board Member and Technical Adviser, Association of Engineering & Environmental Geologists (AEG) - Past Section Chair, Utah Council of Professional Geologists (UCPG) - Founding Trustee, Rural Water Users Association of Utah (RWUA), National Groundwater Association (NGWA), American Water Resource Association (Utah Section), Utah Water Users Association
Park City Sunrise Rotary Club (Past President)

EXPERIENCE/EXPERTISE

Groundwater Development and Well Design

Principal hydrogeologist for numerous groundwater exploration and development projects and new PWS wells. Bill has conducted detailed hydrogeologic analyses, prepared geologic cross sections, designed wells, prepared preliminary evaluation reports (PERs) and Technical Specifications, provided construction management and well site services, described drill cuttings and interpreted geophysical logs, planned and interpreted aquifer tests, and provided related services. Target aquifers include valley fill deposits and sedimentary, igneous, and metamorphic rocks. Depths have ranged up to more than 3,000 feet with yields up to almost 4,000 gpm.

Eric D. Elison, PE

Principal Engineer

EDUCATION

M.S., Civil Engineering, 1999, Brigham Young University

B.S., Civil Engineering, 1994, Brigham Young University

REGISTRATIONS/CERTIFICATIONS

PE 270807-2202 (Utah)

PE 18732 (Wyoming)

PE 14311 (Nevada)

PE 58910 (California)

PE 57523 (Minnesota)

Lead Safety for Renovation, Repair & Painting (RRP)

Radiation (Nuclear Gauge) User Safety

Utah UST Groundwater & Soil Sampler

PROFESSIONAL AFFILIATIONS

American Public Works Association

American Society of Civil Engineers

Society of American Military Engineers

Eric's professional experience includes performing design geotechnical evaluations for public agencies and utilities, commercial, industrial, and military projects. His project experience includes bridges, mass transportation systems, wastewater treatment facilities, pump stations, pipelines, storm water channels and detention basins, commercial buildings, and other public and private works. Eric's responsibilities include managing geotechnical engineering projects; providing assistance to technical staff; performing forensic engineering studies; providing expert witness testimony; and preparing and reviewing geotechnical reports and specifications. For many years, Eric taught geotechnical engineering as an adjunct instructor in the Construction Management Program at University of Nevada, Las Vegas.

EXPERIENCE

Kaysville Booster Station Fault Study, Kaysville Utah: Principal Engineer during performance of a fault hazard evaluation for the booster station located in Webb Canyon. Duties included excavating, logging, and sampling a trench that extended 85 feet in length and 12 feet deep across the northern portion of the booster station site; compiling and analyzing the geologic data obtained from our background research and field evaluation; and preparing a report providing our findings and conclusions regarding faulting at the site.

Central Utah Water Conservancy District North Branch Connection to Alpine, Highland, Utah: Principal Engineer for a geotechnical design evaluation for a new pump station and associated 2,820 linear feet of new, 18-inch diameter HDPE. The new pump station will be constructed partially below-grade and the structure will be composed of structural masonry with concrete, slab-on-grade floors. Services included review of available and pertinent background data; performance of a subsurface exploration; performance of a refraction microtremor survey; performance of field percolation tests; performance of laboratory testing of representative soil samples; and preparation of a final geotechnical report presenting findings, conclusions, and recommendations related to geotechnical aspects of the project.

Printers Row Waterline Replacement, West Valley, Utah: Principal Engineer during a geotechnical evaluation for the Printers Row Waterline Replacement project located in West Valley City, Utah. The purpose of our study was to evaluate the general subsurface soil and groundwater conditions along the main project alignment. The project will include installation of 4,000 linear feet of new waterline. It will also include two alignments that extend north of the main alignment. It is anticipated that the waterlines associated with the project will consist of 8-inch and 12-inch diameter.

Sherwin Williams, Tooele, Utah: Principal Engineer for the team that provided construction materials testing services for a new 4,000-square foot structure with a concrete and asphalt parking lot. The single story structure was founded on conventional continuous spread footings with wood construction and associated site utilities with civil improvements. The work also consisted of placement of controlled structural fill, structural backfill, cast-in-place concrete and asphaltic concrete. Associated site work included new electrical, communications, water, sewer, drainage utilities, gravel and asphalt roadways on site, and concrete parking areas.

Courtney J. Brooks, CEM

Principal Hydrogeologist

EDUCATION

B.S., Geology, 1989, Illinois State University

M.S., Geohydrology, 2000, Illinois State University

REGISTRATIONS/ CERTIFICATIONS

Certified Hazardous Materials Manager No. 7908 - Expired

CEM 2128 (Nevada) - Current

Courtney has over 30 years of consulting experience performing hydrogeologic and environmental investigations, managing hazardous materials and wastes, and providing EHS training programs. His professional experience includes soil and groundwater assessments, treatment system designs, groundwater modeling, environmental impact assessment, and environmental auditing in various regions of the United States, Europe, Asia and Sub-Saharan Africa.

EXPERIENCE

Kaabipour Convenience Store Assessment and Closure, Las Vegas, Nevada: Performed site assessment for LUST and later dry-cleaner solvents at a convenience store in Las Vegas. Work included negotiation and implementation of work scopes, risk assessments, monitoring, and ultimately applying for and receiving regulatory letters of No Further Action.

Sahara Retail LUST Assessment and Closure, Las Vegas, Nevada: Assessment involved overlapping petroleum impacted groundwater plumes from multi-ple sources. Work involved partial soil removal, soil and groundwater remediation in-cluding pump and treat, vapor extraction, and in-situ oxidation. Prior assessments by other consultants did not fully define the site because they failed to account for a caliche layer, which acted as a gravity trap for LNAPLs. Nearby dewatering activities lowered the groundwater on site, thus allowing the LNAPLs to migrate and expand the ground-water plume. Mr. Brooks and staff proposed a modified conceptual model, the implementation of which proved to be successful. The project was ultimately granted closure.

Nevada Division of Environmental Protection (NDEP) Source Water Protection Studies, Clark County, Nevada: Hydrogeologist responsible for updating the technical component of the wellhead protection guidance documents, preparing analytical groundwater simulations to predict the time of travel capture zones for municipal water supply systems located throughout the state. Duties included data validation; model preparation; and support to NDEP BWPC staff.

Nuclear Waste Repository Project Office, Nye County, Nevada: Hydrogeologist and Environmental Scientist during the UIC permit application and compliance oversight for short and long term tracer and chemical injection tests, as part of a joint project involving Nye County, Department of Energy, and multiple national laboratories to study the potential groundwater flow patterns down gradient of the proposed Yucca Mountain High Level Radioactive Waste Repository. Duties included preparing predictive groundwater models, performing compliance sampling and monitoring, and preparing quarterly discharge monitoring reports to the NDEP

Review of Rapid Infiltration Basin Designs, Barrick Cortez Gold Mines, Crescent Valley, Nevada: Hydrogeologist responsible for reviewing existing reports and other hydrological studies pertaining to the location, geology, and water infiltration rates estimated for rapid infiltration basin (RIB) sites proposed for Barrick's Cortez Gold Mines. The review identified inconsistent testing procedures (improper depths, methods) that resulted in RIB designs of excessive size. Courtney recommended cost effective solutions that included a staged approach to placing the new RIBs online so as to minimize land use exceedances and down basin flooding.

Appendix B
REFERENCE LETTERS

November 10, 2020

Re: Professional Reference for Steve Hansen, Cliff Linford, and Sunrise Engineering

To whom it may concern,

This letter is provided as a reference statement of my professional experience working with Steve Hansen and Cliff Linford on our water improvement projects. I have known and worked with Steve for over five years and Cliff for over ten years. We have worked together on several projects, including a 5.0 MG AWWA D115 tank, a 2.0 MG conventionally reinforced concrete tank, and water line projects consisting of 16 inch and 24 inch ductile iron pipe. I have also worked with other employees at Sunrise Engineering throughout my career.

From my experience with Sunrise and their employees, I can honestly say that they have done a great job for us on all of the projects that I have been involved with. They have been very responsive and have shown an excellent ability to communicate clearly and directly with the contractors, team members, and the City. They are easy to get a hold of and respond to my phone calls and messages quickly.

In working with Steve and Cliff I have been impressed with their level of professionalism and their expertise in engineering. The engineering on their projects has been excellent. The projects that they have designed have been well thought out and their plan sets are clear and concise. Evidence of this is shown in the bid prices that we have received on their projects.

Sunrise also performs construction management and construction observation services for our City. It is evident that they enjoy the construction industry and enjoy working with contractors to provide solutions and provide high quality products. This was especially evident on our recent 5.0 MG tank project. The project was completed for the bid price with no significant change orders. We feel that their ability to work with and negotiate with contractors is a necessity on our projects.

I would recommend Steve Hansen as a project Manager and Cliff Linford as a water system engineer on any municipal water projects. I also feel that Sunrise Engineering will stand by their work in the immediate and long term future.

If you have any questions or would like to speak to me directly regarding Steve, Cliff, or Sunrise Engineering, please feel free to contact me at (801) 727-0953.

Sincerely,

Justun Edwards
Herriman City
Director or Water Services

ProBuild

To whom it may concern,

This letter is provided as a reference statement for Sunrise Engineering in regards to concrete tank project. I have worked with several employees at Sunrise Engineering on various tank projects. We have completed two AWWA D115 tanks with them in the past three years. I consider their tank design team to be very competent and fair. They communicate well and take a team approach to completion of their projects.

Recently, we completed the construction of the Herriman 5.0 MG AWWA D115 Tank project. Mr. Steve Hansen was the project manager. He was very professional and easy to communicate and coordinate with. He was easy to get ahold of when needed and provided quick response to emails and voicemails. He was able to manage the project effectively and was an integral part of the successful completion of the project.

In my years working with Sunrise, I appreciate how Sunrise considers constructability when completing design of their projects. They have been open to suggestions and requests to improve their designs. Their plans are straight forward and have the level of detail required for accurate bidding.

It is my professional opinion the Sunrise and Mr. Hansen are accomplished Engineering professionals in the design of concrete tanks and would be a great fit for any tank project.

I may be contacted to discuss the projects mentioned above or the capabilities of Sunrise wish at 801-381-3110.

Sincerely,

Ryan Linford
Owner

Build
5495 West Leo Park Rd
West Jordan, Ut 84081

Kaysville City

SETTLED IN 1850

October 20, 2020
Subject: Reference Letter for Sunrise Engineering

To whom it may concern,

Over the last 2 years, Kaysville City has been working with Sunrise Engineering, specifically their water system and treatment engineers Cliff Linford and Steve Hansen. Sunrise has been assisting us on a 1.0 MG Tank project, a booster station with chlorine injection, and most recently on a project to upgrade and convert our 5 mobile trailer mounted chlorinators to permanent structures and facilities.

Cliff and Steve are extremely knowledgeable and experienced with hydraulics, system function, design, structures and O&M. On our tank project they have been able to assist us with the hydraulics of adding a booster station and serving a near-by developer. They have also responded to several hydraulic questions from the developer and have helped us get approvals from the Department of Drinking Water quickly. On our chlorine injection projects they've also been outstanding.

Steve and Cliff have been easily accessible, and have proven reliable in responding promptly to calls or emails. In addition to their expertise, I believe their design and coordination efforts have been so successful and smooth because they have also made sure to coordinate closely with our head water operators, resulting in more efficient designs which are also operator friendly.

I trust these guys. They've been incredibly easy to work with and have become a valuable member of our team in meeting our engineering needs in town. As a result, I would recommend them for their design ability, hard work, commitment, and ability to provide exceptional service.

If you have any questions please don't hesitate to reach out to me.

Sincerely,

Josh Belnap, P.E.
Public Works Director, City Engineer

Kaysville City
721 West Old Mill Ln
Kaysville, UT 84037
Office: 801-544-8112
jbelnap@kaysvillecity.com www.kaysvillecity.com

FEE PROPOSAL

SUNRISE ENGINEERING

EXHIBIT B

Man-hour Estimate/Summary of Costs

Nibley City, Utah
Nibley City Water System Improvements - 2024

Phase	Task	Work Task Description	Principal Engineer	Engineer V	Engineer IV	Engineer III	Engineer (E.I.T.) II	Engineering Tech IV	CAD Technician III	Principal Surveyor	Survey Manager	Survey Crew Chief	Survey CAD Tech	Sub Consultant	Direct Costs	Mileage	(hours)	($)
0001		**Preliminary Planning and Engineering Study**																
	001	Project Kick-off Meeting	4		8	4											16	$2,924
	002	Hydraulic Analysis and Alternative Tank Site Evaluation	10		20	40		8									78	$13,044
	003	Well Siting Study, Preliminary Evaluation Report (PER), and Drilling Start Card			20			8							$20,700		28	$25,304
	004	Water Rights – Change Application	2		12		20	16									50	$7,648
	005	Funding Assistance (BOR Grant Only)			16	40											56	$8,632
																	Subtotal	**$57,552**
0002		**Data Collection**																
	001	Property & Topographical Survey							20	8	16	30					74	$12,342
	002	Geotechnical Report												$15,000			0	$15,000
	003	Easement/ Property Acquisition Documentation Preparation ($1,200 per doc)								4	5		13				22	$3,647
																	Subtotal	**$30,989**
0003		**Tank Design 2.0 MG**																
	001	Civil Tank Site Design & Specifications	4		20		50	16	60						$8,000		150	$28,550
	002a	Structural Tank Design & Specifications (D115 or D110 Layout)	4	4	8	16		16	40								88	$12,832
	003	Tank Transmission, Supply, and Overflow Design & Specifications	4		16		40	16	60								136	$18,572
	005	Tank Project Permitting, Bid Documents, & Cost Estimate Development	2		12	32	24	16									86	$12,940
																	Subtotal	**$72,894**
0004		**Well Drilling and Pump House Design**																
	001	Well Drilling Design & Specifications	2		8	16	32	16									74	$10,936
	002	Well House and Pipeline Design & Specifications			24	48		20	90						$27,000		182	$52,030
	003	Well & Well Permitting, Bid Documents, & Cost Estimate Development	2		12	24	24	16									78	$11,748
																	Subtotal	**$74,714**
0003		**Optional Design Elements**																
	004	Booster Pump Station Design (Optional, Not in Total Fee)			24	48		18	90						$26,000		180	$50,714
Sub-total Hours/Miles/Days			34	4	176	220	190	148	270	12	21	30	13			$0	1118	$236,149
Hourly Billing Rate			$248.00	$208.00	$167.00	$149.00	$131.00	$158.00	$119.00	$219.00	$185.00	$175.00	$142.00			$0.59		
Total Dollars			$8,432	$832	$29,392	$32,780	$24,890	$23,384	$32,130	$2,628	$3,885	$5,250	$1,846	$15,000	$55,700	$0	**TOTAL**	**$236,100**

Design Exclusions

Funding Assistance
Land Acquistion
Public Involvement
Booster Pump Design (Optional Item)
No Hwy, Railroad, Stream Crossings with Pipeline
Environmental Reports
D110 Structural Reinforced Tank

Design Inclusions

2000 Feet of Pipeline Design
2.0 MG Tank Design
1 Test Well & 1 Production Well Design
D115 Postension Tank

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Agenda Item #15

Description	**Discussion and Consideration** – Approval of an Agreement with Heritage Landholdings LLC (Sierra Homes) for construction of 1000 West half road
Presenter	Tom Dickinson, City Engineer
Recommendation	Move to approve an Agreement with Heritage Landholdings LLC (Sierra Homes) to construct the City's half of 1000 West roadway near Firefly Park for **$60,000**.
Reviewed By	City Manager, City Engineer, City Attorney

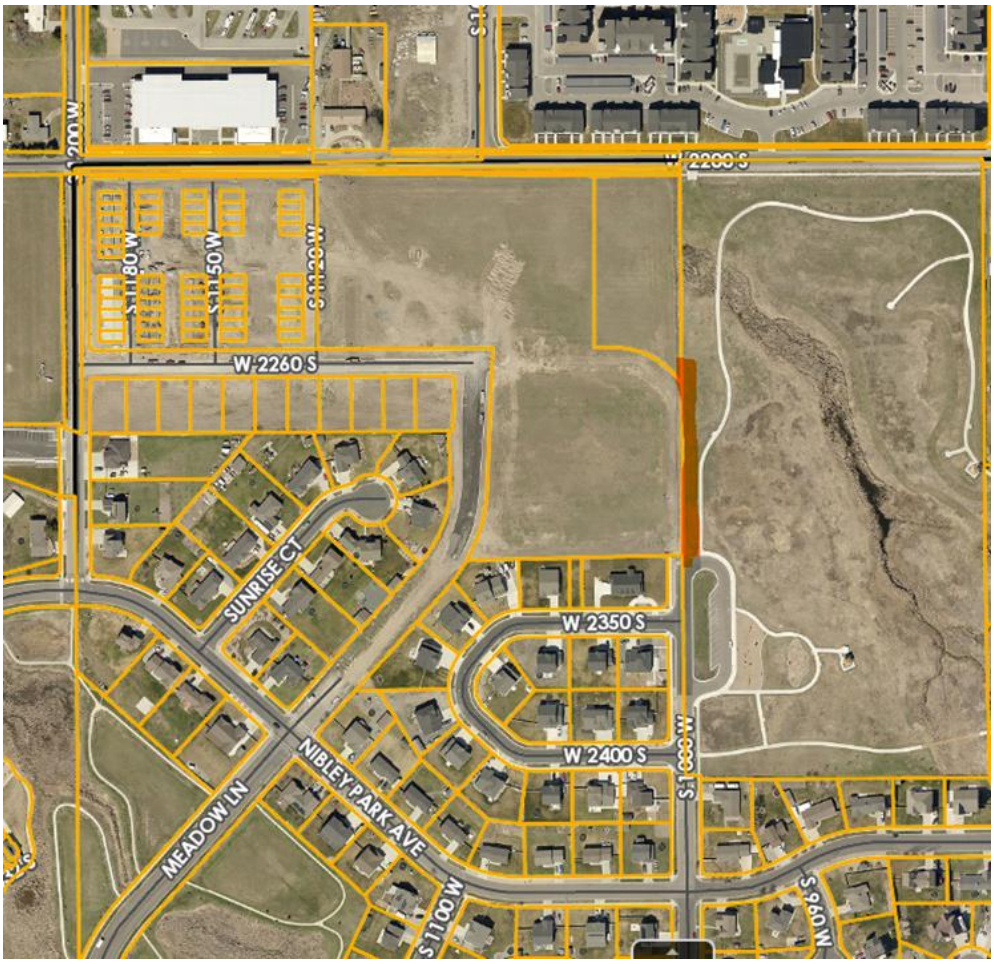
Background:

The Firefly Estates development is in the final stages of approval to start construction on phase 2 of the project. As part of the development, the developer, Heritage Landholdings LLC (Sierra Homes), is responsible to complete all public and private roadways including the west half of the 1000 West roadway along the west side of Firefly park . The City owns and is responsible for constructing the east half of 1000 West (see highlighted figure below).

There is exceptional savings to the City by partnering with Heritage Landholdings LLC (Sierra Homes) to construct the City's portion of the roadway. The contractor will already be onsite constructing other elements of the Firefly Estates project and the City saves mobilization costs, coordination with other contractors, and utilizes economy of scale to construct the roadway as the Firefly Estates project is constructed.

Heritage Landholdings LLC (Sierra Homes) has offered to construct the City's portion of 1000 West at a very reasonable price of $60,000. Council members will find an Agreement that was drafted by Heritage Landholding LLC (Sierra Homes) and redlined by the new City Attorney. Agreement may be executed very quickly if the Council approves. The roadway is expected to be complete by the end of summer.

Money was budgeted in this FY to cover this project, and the amount will cover the proposed cost.


W 2200 S
W 2260 S
SUNRISE CT
W 2350 S
W 2400 S
MEADOW LN
NIBLEY PARK AVE
S 1100 W
S 1000 W
S 960 W

ROAD CONTRIBUTION AGREEMENT

This Road Contribution Agreement ("**Agreement**") is entered into by and between Nibley City, a Utah municipality and political subdivision of the State of Utah ("**City**"), and Heritage Land Holdings, LLC, a Utah limited liability company ("**Developer**"), and is effective as of the date that it is executed by all parties, as shown by the signatures contained herein.

RECITALS

A. Developer owns a multi-phase project within the City known as Firefly Estates located at approximately 1050 W 2200 South, Nibley UT (the "Project").

B. The City has required, as a condition of approval of a Phase 2 final plat within the Project ("Phase 2"), that Developer dedicate and construct a half-width of the portion of 1000 W Street fronting Phase 2. The City has requested that Developer also construct the other one-half of 1000 West Street and Developer has agreed to do so, on the terms outlined in this Agreement. The term "Road" as used in this Agreement means the full width of the portion of 1000 West Street fronting Phase 2 of the Project.

TERMS

1. **Construction of the Road.** Developer will construct the Road according to the requirements of all applicable City laws, ordinances, codes, standards, and land use and zoning regulations (collectively, "**City Regulations**"). The City reserves the right to enter and surpervise or inspect the construction of the Road at reasonable times. Upon completion of the construction, the City will promptly inspect and, if work is properly complete, approve the work on the Road. The date on which the City accepts the Road will be established by letter or email from a member of City staff to a representative of Developer.

2. **City Payment to the Developer.** Upon substantial completion of the Road, the City will pay the Developer a one-time payment of $60,000.00 as the City's contribution for the City's half-width of the Road.

3. **Warranty.** At no additional cost to the City, the Developer will warrant the entire Road (including for the sake of clarity the Developer's half-width and the City's half-width) against failure due to defects in materials or workmanship for a period of one year from the date of acceptance of the Road by the City. No bond, surety or other form of assurance shall be required by the City from the Developer in connection with the one-year warranty on the City's half-width of the Road.

4. **Term.** The term of this Agreement shall commence as of the Agreement's effective date and shall continue until the warranty period under Section 3 has expired.

5. **Default**.

    a. In the event of a breach or default of any term of this Agreement, the non-breaching party shall provide written notice to the breaching party, either to their principal

place of business by mail or to their representative. Such notice shall describe the alleged breach, the applicable provisions of this Agreement, and the actions necessary to remedy and cure the breach.

b. Within 30 days after the date of such notice, the breaching party shall either:

   i. cure the breach and notify the non-breaching party, in writing, of the actions taken to cure the breach; or

   ii. notify the non-breaching party, in writing, why the breach cannot be cured within 30 days and establishing a reasonable time to cure such breach, with a description of the steps, processes, and actions to be taken by the breaching party.

c. In the event the breaching party does not cure the breach or default within the specified timeframes, the non-breaching party may declare this Agreement to be terminated and send written notice of such declaration to the breaching party.

6. **Severability.** Each provision of this Agreement shall be separate, several, and distinct from each other provision hereof, and the invalidity, unenforceability, or illegality of any such provisions shall not affect the enforceability of any other provision hereof.

7. **No Waiver.** Failure of a party to exercise any right hereunder shall not be deemed a waiver of any such right and shall not affect the right of such party to exercise, at some future time, said right or any other right it may have hereunder.

8. **Entire Agreement.** This Agreement is the entire agreement between the Parties with respect to the Road. No modification, waiver, or amendment to any right, term, condition, obligation, or provision of this Agreement shall be valid unless in a writing duly authorized and approved by the parties. This Agreement shall supersede all prior agreements, conversations, understandings, contracts, and representations related to the Road. Neither party shall rely on or attempt to enforce any statement or representation, not contained herein, made by any person regarding the Road.

9. **Enforcement and Governing Law.** This Agreement may be enforced by any means available to the parties, subject to the notice and default provisions set forth in Section 5. This Agreement shall be governed by the laws of the State of Utah, and any court proceedings shall be brought in the First Judicial District Court of the State of Utah. A party that prevails in any litigation following such mediation or opinion regarding this Agreement shall be entitled to recover their reasonable court costs and attorney fees.

10. **Third Parties.** This Agreement is intended for the sole benefit of the named parties thereto. No third party, except for permitted assignees, transferees, and successors-in-interest, shall have any right to enforce any of the terms or obligations herein contained. This Agreement and the associated rights and obligations hereunder cannot be assigned without the agreement of both parties

11. **Mutual Drafting.** Each party has participated in negotiating and drafting this Agreement, and no provision of this Agreement shall be construed for or against any party based on which party drafted any particular portion of this Agreement.

12. **Representations.** The persons signing this Agreement on behalf of the parties represent and warrant that they have the authority and authorization to execute the Agreement on behalf of the respective party such that the party will be bound by all rights, obligations, terms, and conditions herein, and that all steps, requirements, and processes necessary for a party to approve and execute the Agreement have each been completed.

THIS ROAD CONTRIBUTION AGREEMENT IS AGREED TO BY AND BETWEEN:

Nibley City: **Attested by:**

By: _____ _____
Mayor City Recorder
Date: _____

Developer: Heritage Land Holdings, LLC

By: _____ Date: _____
Name: _____
Title: _____

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