Livingston City Commission Agenda

September 16, 2025
5:30 PM
City – County Complex, Community Room

Join Zoom Meeting
https://us02web.zoom.us/j/88068182839?pwd=CQRm2CARdwFLQkLRHbf8kCl2c8jimH.1

Meeting ID: 880 6818 2839
Passcode: 023522

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1. Call to Order

2. Roll Call

3. Public Comment
   Individuals are reminded that public comments should be limited to item over which the City Commission has supervision, control jurisdiction, or advisory power (MCA 2-3-202)

4. Consent Items

   A. APPROVAL OF MINUTES FROM SEPTEMBER 02, 2025, REGULAR MEETING

   B. APPROVAL OF CLAIMS PAID 8/28/25 - 9/10/25

   C. JUDGES MONTHLY REPORT JULY 2025

   D. LETTER OF SUPPORT PERTAINING TO NATIONAL HISTORIC REGISTER CORRECTION

   E. APPROVAL OF AMENDED AGREEMENT 20144 WITH DISCOVERY VISTA LLC

   F. CONSIDERATION OF OPEN CONTAINER SPECIAL EXCEPTION REQUEST FOR DONKEY DAYS EVENT ON SEPTEMBER 28, 2025

5. Proclamations

   A. A PROCLAMATION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, DECLARING SEPTEMBER 16, 2025 AS IT PROFESSIONALS DAY IN LIVINGSTON, MONTANA.

6. Scheduled Public Comment

   A. COMMUNITY CLOSET INC. UPDATE ON ARPA GRANT-FUNDED PROJECT

7. Action Items

   A. APPROVAL OF PRELIMINARY ENGINEERING REPORT FOR REGIONAL WATER PROJECT

   B. UPDATE ON CITY STORMWATER UTILITY

   C. DISCUSSION REGARDING POWERS AND DUTIES OF HISTORIC PRESERVATION COMMISSION

D. RESOLUTION 5176: A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, ACCEPTING UTILITY AND ACCESS EASEMENTS GRANTED BY SUN MOINTAIN LUMBER INC. AND AUTHORIZING CITY MANAGER TO SIGN ASSOCIATED DOCUMENTS.

E. ORDINANCE 3063: AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, AMENDING SECTION 14-92 OF THE LIVINGSTON MUNICIPAL CODE ENTITLED "USER CHARGE BASIS" TO CLARIFY THE BILLING METHODS FOR RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL SEWER USERS.

8. City Manager Comment

9. City Commission Comments

10. Adjournment

Supplemental Material

Notice

- Public Comment: The public can speak about an item on the agenda during discussion of that item by coming up to the table or podium, signing-in, and then waiting to be recognized by the Chairman. Individuals are reminded that public comments should be limited to items over which the City Commission has supervision, control, jurisdiction, or advisory power (MCA 2-3-202).

- Meeting Recording: An audio and/or video recording of the meeting, or any portion thereof, may be purchased by contacting the City Administration. The City does not warrant the audio and/or video recording as to content, quality, or clarity.

- Special Accommodation: If you need special accommodations to attend or participate in our meeting, please contact the Fire Department at least 24 hours in advance of the specific meeting you are planning on attending.

File Attachments for Item:

A. APPROVAL OF MINUTES FROM SEPTEMBER 02, 2025, REGULAR MEETING

Livingston City Commission Minutes

September 02, 2025
5:30 PM
City – County Complex, Community Room

Join Zoom Meeting
https://us02web.zoom.us/j/83280152232?pwd=HHqQ6hnfr4NEoVkGOnnW8J0az5HIeU.1

Meeting ID: 832 8015 2232
Passcode: 019316

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1. Call to Order

Chair Schwarz called the meeting to order at 5:32 PM

2. Roll Call

- Chair Schwarz
- Vice Chair Nootz
- Commissioner Kahle
- Commissioner Lyons
- Commissioner Willich

City Staff Present

- City Manager Grant Gager
- Policy Analyst Greg Anthony
- Chief of Police Wayne Hard

3. Public Comment

Individuals are reminded that public comments should be limited to item over which the City Commission has supervision, control jurisdiction, or advisory power (MCA 2-3-202)

- Patricia Grabow thanked the City Manager for being the Secretary for the BSPRA and for helping bring BSPRA to Livingston. She thanked MSU for doing the candidate workshop.
- Josh Congleton brought up bulb outs as a concern for vehicle collisions and wondered why some have been moved back and why they are different sizes and about survey feedback.

Vice Chair Nootz asked for the difference between the triangle and the bulb outs.

The City Manager said the flagpole is fixed to the ground, and the planters are not fixed to the ground and are meant to move if hit. He stated the posts were moved back to make some more room. The different size bulb outs are a function of the street design and each corner has its own design to fit the needs of each corner. The survey has been open for about a week and survey will be done in the middle of October.

Commissioner Lyons asked if the bulb out dimension reference the manual for uniform traffic control devices.

The City Manager stated yes, and they were assisted by the Western Transportation Institute.

Vice Chair Nootz stated the feedback is produced in a big batch after its's been organized in a way the Commission and public can understand it. She reminded that the public should address the Commission because it was the Commissions decision to implement this and not the City Manager.

The City Manager clarified he is not the secretary for BSPRA he is the Chair for the Governance Committee and was appointed by the County Commission to represent Park County.

4. Consent Items

A. **APPROVAL OF MINUTES FROM AUGUST 19, 2025, REGULAR MEETING**

B. **APPROVAL OF CLAIMS PAID 8/14/25 - 8/27/25**

C. **REPORT OF PLEDGED SECURITIES FOR THE PERIOD ENDING JUNE 30, 2025**

D. **APPOINTMENT OF AMANDA ALKIRE TO THE LIVINGSTON PARK COUNTY PUBLIC LIBRARY BOARD OF TRUSTEES**

E. **TRANSMITTAL OF CITY PUBLIC ART MAINTENANCE PROCEDURES**

Vice Chair Nootz pulled A, D, E

Vice Chair Nootz motioned to approve B and C, seconded by Commissioner Kahle. Unanimously approved.

Vice Chair Nootz added minor edit to minutes. She is abstaining from item D for conflict of interest. She wanted clarification on item E from the City Manager about public art maintenance. She wondered if a portion will be coming after some process is developed to align with intent of the Commission where some public art will be approved and maintained by the City when it is on public land. She noticed there is nothing about restoration of art and wondered when that would be coming.

The City Manager stated when art is damaged, they seek to engage the original artist for restoration of the artwork. He stated the artist for the mural on the underpass has left the community, but they are reaching out to her former employer to find folks who could restore some of the artwork.

Vice Chair Nootz thought it may cost some kind of monetary contribution from the City, so she would like to know a process for this and have it brought to the Commission.

The City Manager stated some of this will be covered in the upcoming draft of the Parks Master Plan.

Vice Chair Nootz motioned to approve A & E, seconded by Commission Lyons. Unanimously approved.

Commissioner Kahle motioned to approve D, seconded by Commissioner Lyons. For: Chair Schwarz, Commissioner Kahle, Commissioner Lyons, Commissioner Willich. Abstain: Vice Chair Nootz.

5. Proclamations

6. Scheduled Public Comment

7. Action Items

A. UPDATE ON COMMUNITY WELLNESS CENTER PROJECT

The City Manager gave a brief presentation on the update for the Wellness Center.

Vice Chair Nootz asked about the Northwestern Energy and BNSF land transferring ownership, and she wanted clarification that the land will actually become public land as a gift.

The City Manager stated yes, the agreements are not complete yet, but will come to the Commission.

Vice Chair Nootz asked about room for the public and seating when the spaces are utilized for tournaments.

The City Manager stated yes, there is in the pool areas and the basketball court.

Vice Chair Nootz stated it is exiting that the City has been given the ability to name the building, and she wondered about the process. She is hoping for public input, and a process to sort through all the input.

The City Manager stated yes, there is a process and the donor would like to review the name before it goes on the building.

Public comment was offered by:

- Linda Maher appreciates the update but is concerned about the addition to tax payers when the payments start to be collected and she is concerned about the thing that may not be voted for later on because of the large amount they are already paying for the Wellness Center.

- Josh Congleton express concern about pay rates for employees and ability to staff the Wellness Center. He would like to see the facility named with Katie Bonnell in mind. He also wondered about the soccer fields, electric car spots, and if the waterslide will be seasonal.

Vice Chair Nootz asked about the differences about how it's paid for between Great Falls and Livingston models.

The City Manager stated there are 2 ways to fund this facility and it's either through user fees for property tax. The City of Livingston chose the property tax route because it is a little more stable. He stated staffing will be a constant challenge, but when he reviewed the wage ranges, he stated it is in line with where we are now and where wages will grow to over the next year. He is very confident they will be able to find a pool manager and pool staff.

Vice Chair Nootz asked for clarification on the endowment.

The City Manager stated in addition to the capital funding of about $23.5 million the foundation is also committed to a $5 million operation endowment to support the structure and to support its long-term maintenance. Some of the endowment will be used for youth scholarships and other youth access to the facility, but also provides another layer of financial security to the project and to the building itself. For community clarify the park is still Katie Bonnell Park and will remain named as such. For the electric parking the decision was made to run conduit to that 8 spots that are all together, but they are not sure if all 8 spots will receive charging station. The waterslide will be operational during the winter time.

Vice Chair Nootz recalled that the county chose to not participate in this and gain free passes for County residents.

Commissioner Willich thanked the City Manager for the update.

Commissioner Lyons expressed that it is great to run conduit before paving.

Vice Chair Nootz expressed being skeptical in the beginning, but feels that the City has been transparent about the cost. She feels it will shape a part of our community, so it is important to do it right. She referenced pages 73 and 74 for members of the public to look at.

Chair Schwarz thanked the City Manager for the update and is excited about the project.

Vice Chair Nootz motioned for a 10-minute break, seconded by Commissioner Kahle. Unanimously approved.

B. DISCUSSION REGARDING GRADE SEPARATED RAIL CROSSING

The City Manager gave a brief presentation on a Grade Separated Rail Crossing.

Commissioner Lyons wondered how the new report might compare to the one currently out.

The City Manager stated the large exercise in location analysis would be looking at the known existing locations and looking at potential sites that not been considered.

Commissioner Lyons asked if the City Manager envisions any existing City boards or committees to oversee that location analysis process.

The City Manager stated initially he viewed this as an internal staff lead process and work with Public Works, the railroad and MDT.

Commissioner Lyons wondered what the City Manager attributes to our lack of success in securing grant funding for this project.

The City Manager stated he has gone through debriefs with US Dept. of Transportation following our unsuccessful applications and its really because of Livingston's location. We are a town of 9,000 and are about the 10th or 11th largest municipality in the state of Montana, but we are not the fastest growing in the state. They have noticed that the grants are going to larger and more fast-growing cities in the state.

Vice Chair Nootz would like to hear from the public on if they are willing to remove a crossing to get a grade separated crossing. She asked about the at grade crossing that is undeveloped, and she recalls if off the northside somewhere, but she has heard from the community that we should just develop that crossing. She wondered if that has been thought about yet, or if it's even a possibility.

The City Manager started there are a lot options and opportunities on the table including working with the existing 5th street crossing to improve that, which we are currently doing with MDT and BNSF. He stated the crossing Vice Chair Nootz brought up is not an FRA recognized crossing. While there is a stretch of land that runs right up to the crossing, it would take quite a bit of federal regulatory work to have that be established as an at grade crossing. He stated BNSF is moving toward closing at grade crossings and not building new ones.

Vice Chair Nootz asked why we can't just move forward with Star Rd. since we already have the engineering.

The City Manager stated we do not have the construction funding identified for that.

Vice Chair Nootz asked if we magically had the funding is that engineering ready to go?

The City Manger stated it is rather well complete, but City staff have expressed some concern with stormwater in that area. Overall, not much is standing in the way of that project aside from funding.

Public comment was offered by:

- Rick VanAken stated when this project was looked at 17 years ago it was $8 million, but now it's $25 million and he pointed it out it is not getting any cheaper. He spoke in favor of this project.
- Josh Congleton asked if federal or state funding has been lost. He asked for clarification on project location.
- Patricia Grabow expressed that we do not need to study this anymore based on the amount of money that has been spent studying it already, and would like to see this done because the community wants and needs it.
- Linda Maher wondered how easy it would be to just pick up the plan that exists and move it forward.

Chair Schwarz stated there was never a study for an overpass it was always an underpass. He expressed a study is important and it helps them figure out what the public wants too.

Vice Chair Nootz asked how much has been spent on studies.

The City Manager stated that looking back to 2007 there was about $650,000 that was generated from an 11.25 mil override that was approved by voters, and there was a little more spent on land acquisition. From 2007 to 2018 there was about $744,000 spent in the rail crossing fund total.

Vice Chair Nootz asked if there was analysis of I90 closure in previous studies.

The City Manager stated the closure of I90 has been something that's occurred over time and was done by an engineer, and that study with that plan did take into account traffic patterns and traffic counts on US HWY 10.

Vice Chair Nootz asked for clarification on location analysis and how do we know we haven't had one

The City Manager stated we have not seen evidence of one. The Northside Transportation Plan was focused on a crossing in one specific location. The 2008 exercise was very focused on one specific location. He has not seen a preliminary engineering report that identified all the different alternatives.

Vice Chair Nootz asked what elimination of a crossing changes for funding.

The City Manager stated it enables pools of funding that are not otherwise available. The rail crossing elimination grant is not available for projects unless there is a crossing that is eliminated. It doesn't change the percentage of federal vs. local funding, it just opens it up for options.

Vice Chair Nootz asked about road maintenance.

The City Manger stated there is the Urban Network within the state of Montana, and those are roads that have been designated as critical by the state, so they are eligible for certain state

funding. The City still has the responsibility to operate that network. Geyser and H Street are 2 of the large Urban Routes on the South side, and Montana and Gallatin on the Northside. We do plow and maintain those streets, but as far as capitol funding there is more available for those routes. He reminded about lost funding that were both state and federal funds. The funds were earmarked for the project and some used to purchase the property at Star Rd., but the rest was lost due to inaction and inactivity on the project.

Commissioner Kahle reminded that voters were asked about 4 years ago about this project and the voter said no, and she feels that maybe votes said no due to a lack of location and exact plan. She pointed out that if we are going to have a rail crossing then citizens are going to have to decide to tax themselves. She feels it's very important to get public input and go through the process to find a suitable location for the majority of the community.

Commissioner Willich stated as a builder he has never been given a blank check and been told to go build a thing and find a place to do it, then be accountable for the outcome. He feels understanding how each location can and will be used is very important and needs to be discussed over the next few months, and get public input on this topic. He wants to move forward with intent and they don't know the budget until they know the exact location.

Commissioner Lyons he agrees with fellow commissioners. He wants to keep in mind for the public when given options on location to include an option that nothing gets built. I really would like to see a consideration, in the process of the location analysis, of impacts of this infrastructure on land use and development. He would really like everyone to understand that this crossing will lead to much more development on the Northside.

Vice Chair Nootz stated there have been subdivisions approved for the Northside even with the crossings we have, so she asked for clarification on what Commissioner Lyons had in mind when he was talking about growth.

Commissioner Lyons stated there would be a stronger economic imperative for speed for the development. It would drastically change the Northside to have an additional crossing, especially one that would route folks to Bozeman quicker.

Vice Chair Nootz agreed that no crossing could be a potential solution for the community, but she would also include when looking at new location analysis is what is actually possible at 5th Street. She stated that they have never talked about what they can do with what we already have. She wondered if it would be lower cost, but higher value. She recognized the demographic of votes that are in the community when this will come to the table to be voted on, and its kids that have lived here their whole lives and have been members of the communities.

C. ORDINANCE 3063: AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, AMENDING SECTION 14-92 OF THE LIVINGSTON MUNICIPAL

CODE ENTITLED "USER CHARGE BASIS" TO CLARIFY THE BILLING METHODS FOR RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL SEWER USERS.

The City Manager stated this item is related to feedback the City has received from the community. The City seasonally bills for sewer and does so by monitoring the actual water usage during the winter months when irrigation does not occur, and uses that consumption to bill for the summer months when irrigation is occurring. The City does this so the users are not unfairly burdened with the cost of processing water that never reaches the water reclamation facility. LMC currently uses the billing period October – March as the winter months. The Finance Director looked at this in detail and did find there is benefit from moving this time period to November – April.

Public comment was offered by:

- Linda Maher expressed thanks for doing this.

Commissioner Willich stated it's a great idea.

Commissioner Lyons agreed.

Commissioner Kahle thanked the City Manager and Finance Director.

Vice Chair Nootz expressed appreciation to Linda for bring this up.

Vice Chair Nootz motioned to approve this item, seconded by Commissioner Kahle. Unanimously approved.

D. RESOLUTION 5173: A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, LEVYING 100% OF THE COST FOR STREET MAINTENANCE AND IMPROVMENTS DISTRICT NO. 1 FOR FISCAL YEAR 2025-2026 IN THE AMOUNT OF $1,390,903, AND ASSESSING ALL PROPERTY WITHIN THE DISTRICT.

The City Manager stated this item is to levy the assessment for the street maintenance district. It is unchanged from FY 25. As a result of new construction that has occurred in the City all property owners are expected to see decrease in their actually billed assessment.

Commissioner Kahle motioned to approve this item, seconded by Vice Chair Nootz. Unanimously approved.

E. RESOLUTION 5174: A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, ESTIMATING THE COST OF MAINTAINING LIGHTS AND SUPPLYING ELECTRICAL CURRENT TO SPECIAL IMPROVEMENT LIGHTING DISTRICT NO. 20 IN THE AMOUNT OF $61,993 FOR FISCAL YEAR 2025-2026 AND LEVYING AND ASSESSING 100% OF THE ESTIMATED COSTS AGAINST EVERY PARCEL OF PROPERTY WITHIN SAID DISTRICT FOR THAT PART OF THE COST WHICH ITS TAXABLE VALUE BEARS TO THE TAXABLE VALUE OF THE DISTRICT.

The City Manager stated this item levies the money to fund the electrical current. There is no increase over the prior year. All properties are expected to see a decrease in the assessment in FY 26.

Commissioner Willich motioned to approve this item, seconded by Commissioner Lyons. Unanimously approved.

F. **RESOLUTION 5175: A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, MODIFYING SPECIAL IMPROVEMENT LIGHTING DISTRICT NO. 20 BY REPLACING STREET LIGHTS AND OTHER APPURTENANCES THEREIN AND TO LEVY AND ASSESS 100% OF THE ESTIMATED COST OF $38,000 FOR FISCAL YEAR 2025-2026 AGAINST EVERY PARCEL OF PROPERTY WITHIN SAID DISTRICT FOR THAT PART OF THE COST WHICH ITS TAXABLE VALUE BEARS TO THE TAXABLE VALUE OF THE DISTRICT.**

The City Manager stated this item seeks to levy $38,000 for FY 26 for the replacement of street lights and other appurtenances within the City system. The amount is unchanged from FY 25. Property taxpayers will see a decrease in FY 26.

Chair Schwarz asked if costs were not going up due to new developments.

The City Manager stated yes, that is one of the reasons. The other reason is the amount of work predicted to be done in FY26 is not materially different from FY25 so we do not require additional revenue or resources.

Commissioner Kahle motioned to approve the item, seconded by Vice Chair Nootz. Unanimously approved.

8. City Manager Comment

The City Manager thanked the Commission with their help with the budget, and appreciates the conversation on the rail crossing.

9. City Commission Comments

Commissioner Willich thanked everyone for a nice evening.

Commissioner Lyons stated August was a pleasant month weather wise and average temperature.

Commissioner Kahle thanked the City Manager for the update on the Wellness Center.

Vice Chair Nootz expressed excitement that school is back in. She thanked the City Manager for the updates tonight. She looks forward to community input.

Chair Schwarz spoke about bulb outs and is looking forward to community survey on the bulb outs.

10. Adjournment

8:25 PM Commissioner Lyons motioned to adjourn, seconded by Commissioner Kahle. Unanimously approved.

Calendar of Events

Supplemental Material

Notice

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COMMUNITY WELLNESS CENTER

Project Update

SEPTEMBER 2, 2025

AGENDA

- Location
- Facility Use
- Capital Funding
- Operating Arrangements

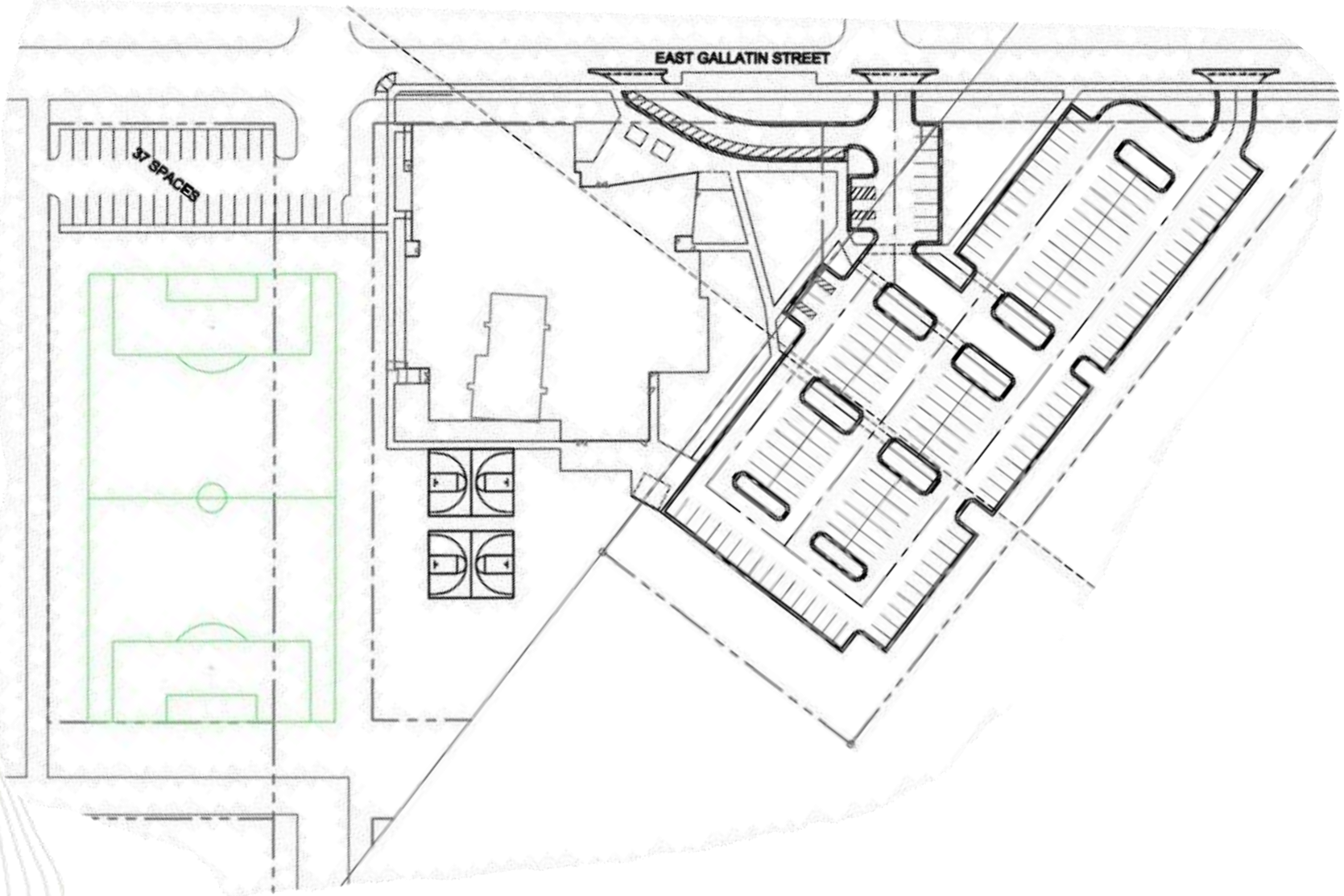
LIVINGSTON
MONTANA

LOCATION


N M St
North N Street
E Gallatin St
Lm Aly
Montana St
N M St
E Gallatin St
M Street
Park or Katie
Bonnell Park
Temporarily
closed
alstead Taxidermy
N L St
Park County
Refuse Departm
latin St
inook St

INITIAL SITE PLAN

FUTURE SITE PLAN



ENVIRONMENTAL REVIEW

Water & Environmental TECHNOLOGIES

Livingston Community Aquatic Center

1 Executive Summary

The project location is in proximity to the BN Livingston Shop Complex (Facility), which is a maximum priority Comprehensive Environmental Cleanup and Responsibility Act site (CECRA, also known as State Superfund Facility). According to the Montana Department of Environmental Quality's Record of Decision (ROD) for the State Superfund Facility, contaminants of concern include volatile organic compounds (VOCs), petroleum, polycyclic aromatic hydrocarbons (PAHs), and lead in soil, soil vapor, and groundwater (DEQ, 2001).

Water and Environmental Technologies (WET) conducted air monitoring and soil sampling on behalf of Swank Enterprises during the sewer main installation within the CECRA boundary. The purpose was to monitor the breathing space for VOCs to ensure worker safety and implement proper requirements for stockpiling and disposal of the excavated material.

Summary of Air Monitoring

Results of air monitoring indicated that VOC concentrations were below levels established in the site-specific Health and Safety Plan (HASP) prepared for this work (WET, 2023) during excavation activities within the CECRA boundary.

Summary of Soil Sampling

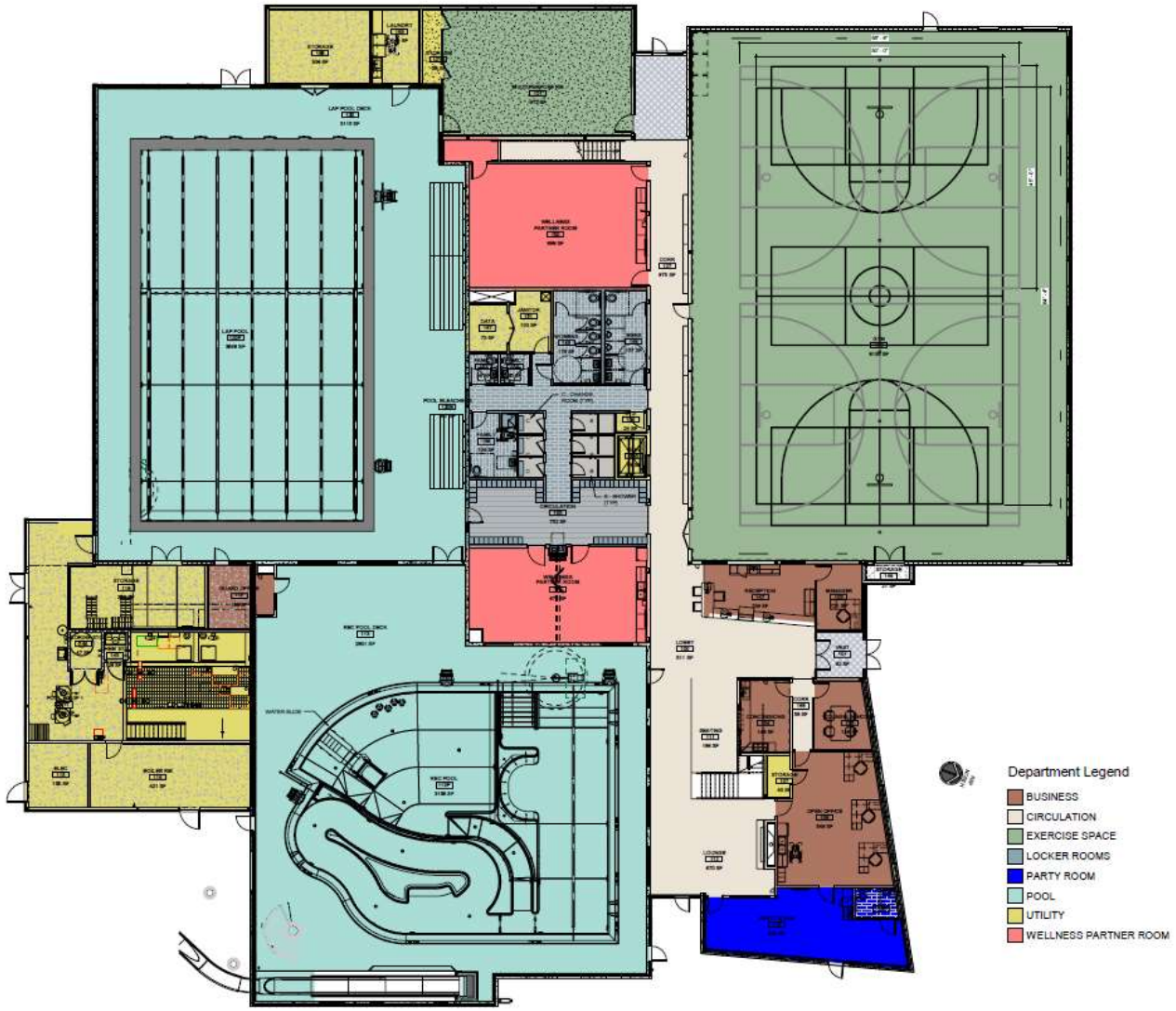
Results of the soil sample collected from the excavated material stockpile demonstrated that concentrations of all metals, VOCs, hydrocarbons, and SVOCs in the sample were below laboratory detection limits and/or Facility cleanup levels. Therefore, stockpiled soil was acceptable to be used as backfill.

AGENDA

- Location
- Facility Use
- Capital Funding
- Operating Arrangements

LIVINGSTON
MONTANA

FACILITY USE



First Floor

- Lap Pool
- Recreation Pool
- Gymnasium
- 3 Multi-purpose Rooms
- Child Play Area
- Lobby
- Operations Support Areas (Laundry, Storage, Offices)

FACILITY USE

Second Floor

- **Walking Track**
- **Fitness Areas**
- **Operations Support Area (Mechanical)**

EXTERIOR RENDERING

EXTERIOR RENDERING

INTERIOR RENDERING

INTERIOR RENDERING

AGENDA

- Location
- Facility Use
- Capital Funding
- Operating Arrangements

LIVINGSTON
MONTANA

CAPITAL FUNDING

Project Budget: **$23.6 million**

(includes additional alternates)

Capital Commitments: **$22.7 million**

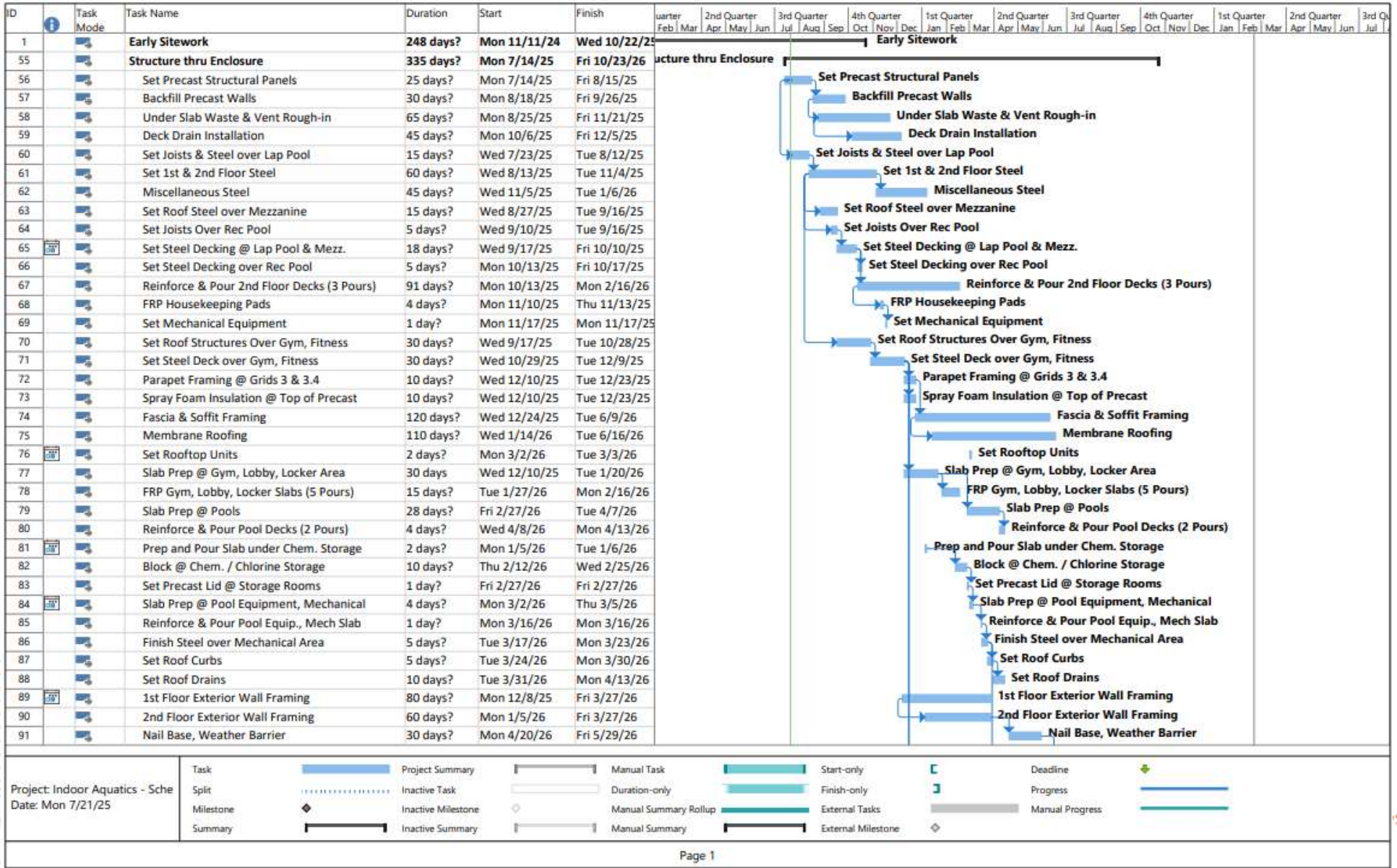
CONSTRUCTION PHOTOGRAPHS

CONSTRUCTION PHOTOGRAPHS

CONSTRUCTION PHOTOGRAPHS

CONSTRUCTION PHOTOGRAPHS

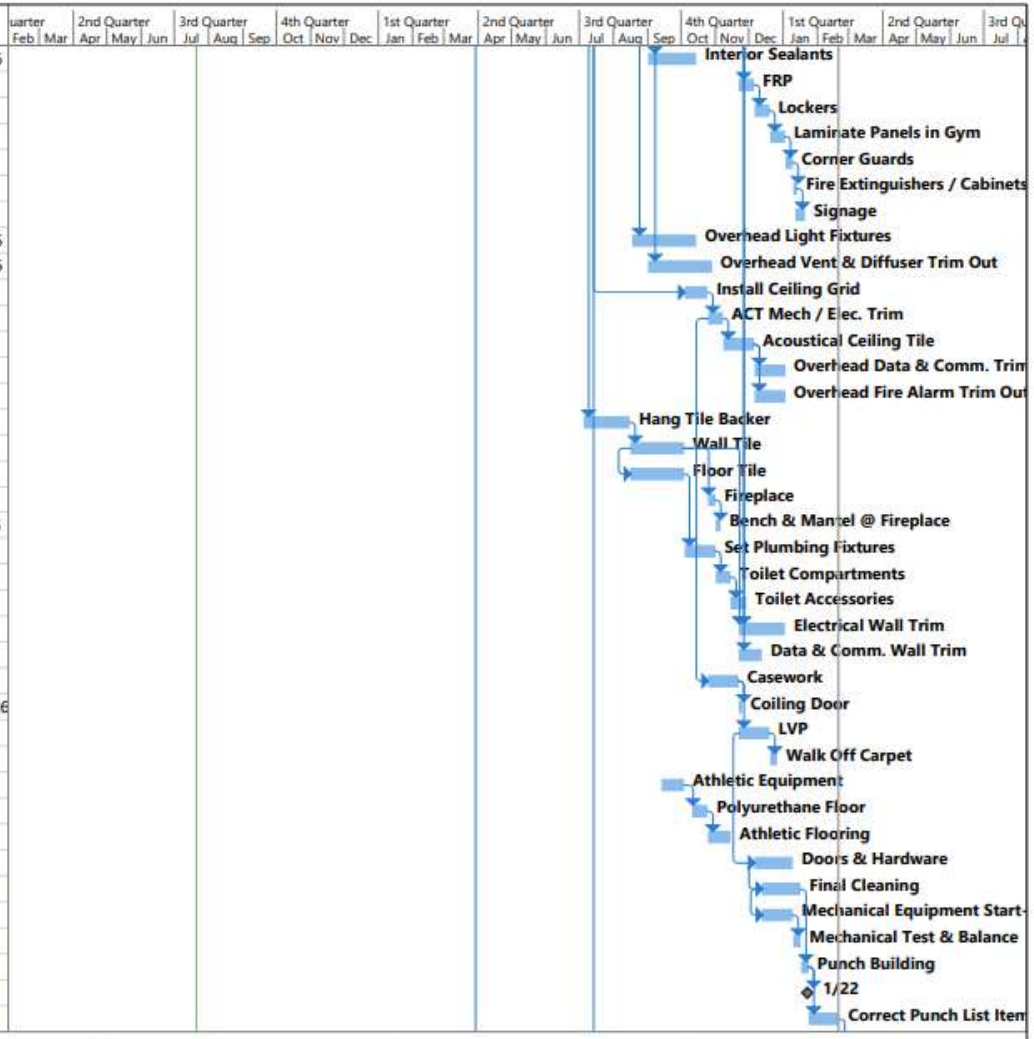
CONSTRUCTION SCHEDULE



ID	Task Mode	Task Name	Duration	Start	Finish
1		**Early Sitework**	**248 days?**	**Mon 11/11/24**	**Wed 10/22/25**
55		**Structure thru Enclosure**	**335 days?**	**Mon 7/14/25**	**Fri 10/23/26**
56		Set Precast Structural Panels	25 days?	Mon 7/14/25	Fri 8/15/25
57		Backfill Precast Walls	30 days?	Mon 8/18/25	Fri 9/26/25
58		Under Slab Waste & Vent Rough-in	65 days?	Mon 8/25/25	Fri 11/21/25
59		Deck Drain Installation	45 days?	Mon 10/6/25	Fri 12/5/25
60		Set Joists & Steel over Lap Pool	15 days?	Wed 7/23/25	Tue 8/12/25
61		Set 1st & 2nd Floor Steel	60 days?	Wed 8/13/25	Tue 11/4/25
62		Miscellaneous Steel	45 days?	Wed 11/5/25	Tue 1/6/26
63		Set Roof Steel over Mezzanine	15 days?	Wed 8/27/25	Tue 9/16/25
64		Set Joists Over Rec Pool	5 days?	Wed 9/10/25	Tue 9/16/25
65		Set Steel Decking @ Lap Pool & Mezz.	18 days?	Wed 9/17/25	Fri 10/10/25
66		Set Steel Decking over Rec Pool	5 days?	Mon 10/13/25	Fri 10/17/25
67		Reinforce & Pour 2nd Floor Decks (3 Pours)	91 days?	Mon 10/13/25	Mon 2/16/26
68		FRP Housekeeping Pads	4 days?	Mon 11/10/25	Thu 11/13/25
69		Set Mechanical Equipment	1 day?	Mon 11/17/25	Mon 11/17/25
70		Set Roof Structures Over Gym, Fitness	30 days?	Wed 9/17/25	Tue 10/28/25
71		Set Steel Deck over Gym, Fitness	30 days?	Wed 10/29/25	Tue 12/9/25
72		Parapet Framing @ Grids 3 & 3.4	10 days?	Wed 12/10/25	Tue 12/23/25
73		Spray Foam Insulation @ Top of Precast	10 days?	Wed 12/10/25	Tue 12/23/25
74		Fascia & Soffit Framing	120 days?	Wed 12/24/25	Tue 6/9/26
75		Membrane Roofing	110 days?	Wed 1/14/26	Tue 6/16/26
76		Set Rooftop Units	2 days?	Mon 3/2/26	Tue 3/3/26
77		Slab Prep @ Gym, Lobby, Locker Area	30 days	Wed 12/10/25	Tue 1/20/26
78		FRP Gym, Lobby, Locker Slabs (5 Pours)	15 days?	Tue 1/27/26	Mon 2/16/26
79		Slab Prep @ Pools	28 days?	Fri 2/27/26	Tue 4/7/26
80		Reinforce & Pour Pool Decks (2 Pours)	4 days?	Wed 4/8/26	Mon 4/13/26
81		Prep and Pour Slab under Chem. Storage	2 days?	Mon 1/5/26	Tue 1/6/26
82		Block @ Chem. / Chlorine Storage	10 days?	Thu 2/12/26	Wed 2/25/26
83		Set Precast Lid @ Storage Rooms	1 day?	Fri 2/27/26	Fri 2/27/26
84		Slab Prep @ Pool Equipment, Mechanical	4 days?	Mon 3/2/26	Thu 3/5/26
85		Reinforce & Pour Pool Equip., Mech Slab	1 day?	Mon 3/16/26	Mon 3/16/26
86		Finish Steel over Mechanical Area	5 days?	Tue 3/17/26	Mon 3/23/26
87		Set Roof Curbs	5 days?	Tue 3/24/26	Mon 3/30/26
88		Set Roof Drains	10 days?	Tue 3/31/26	Mon 4/13/26
89		1st Floor Exterior Wall Framing	80 days?	Mon 12/8/25	Fri 3/27/26
90		2nd Floor Exterior Wall Framing	60 days?	Mon 1/5/26	Fri 3/27/26
91		Nail Base, Weather Barrier	30 days?	Mon 4/20/26	Fri 5/29/26

CONSTRUCTION SCHEDULE

ID	Task Mode	Task Name	Duration	Start	Finish
129		Interior Sealants	30 days?	Wed 9/2/26	Tue 10/13/26
130		FRP	10 days?	Mon 11/23/26	Fri 12/4/26
131		Lockers	10 days?	Mon 12/7/26	Fri 12/18/26
132		Laminate Panels in Gym	10 days?	Mon 12/21/26	Fri 1/1/27
133		Corner Guards	5 days?	Mon 1/4/27	Fri 1/8/27
134		Fire Extinguishers / Cabinets	2 days?	Mon 1/11/27	Tue 1/12/27
135		Signage	5 days?	Wed 1/13/27	Tue 1/19/27
136		Overhead Light Fixtures	40 days?	Wed 8/19/26	Tue 10/13/26
137		Overhead Vent & Diffuser Trim Out	40 days?	Wed 9/2/26	Tue 10/27/26
138		Install Ceiling Grid	15 days?	Mon 10/5/26	Fri 10/23/26
139		ACT Mech / Elec. Trim	10 days?	Mon 10/26/26	Fri 11/6/26
140		Acoustical Ceiling Tile	20 days?	Mon 11/9/26	Fri 12/4/26
141		Overhead Data & Comm. Trim Out	20 days?	Mon 12/7/26	Fri 1/1/27
142		Overhead Fire Alarm Trim Out	20 days?	Mon 12/7/26	Fri 1/1/27
143		Hang Tile Backer	30 days?	Mon 7/6/26	Fri 8/14/26
144		Wall Tile	35 days?	Mon 8/17/26	Fri 10/2/26
145		Floor Tile	35 days	Mon 8/17/26	Fri 10/2/26
146		Fireplace	5 days?	Mon 10/26/26	Fri 10/30/26
147		Bench & Mantel @ Fireplace	3 days?	Mon 11/2/26	Wed 11/4/26
148		Set Plumbing Fixtures	20 days?	Mon 10/5/26	Fri 10/30/26
149		Toilet Compartments	10 days?	Mon 11/2/26	Fri 11/13/26
150		Toilet Accessories	10 days?	Mon 11/16/26	Fri 11/27/26
151		Electrical Wall Trim	30 days?	Mon 11/23/26	Fri 1/1/27
152		Data & Comm. Wall Trim	15 days?	Mon 11/23/26	Fri 12/11/26
153		Casework	20 days?	Mon 10/26/26	Fri 11/20/26
154		Coiling Door	1 day	Mon 11/23/26	Mon 11/23/26
155		LVP	20 days	Mon 11/23/26	Fri 12/18/26
156		Walk Off Carpet	5 days?	Mon 12/21/26	Fri 12/25/26
157		Athletic Equipment	15 days?	Mon 9/14/26	Fri 10/2/26
158		Polyurethane Floor	10 days?	Mon 10/12/26	Fri 10/23/26
159		Athletic Flooring	15 days	Mon 10/26/26	Fri 11/13/26
160		Doors & Hardware	25 days?	Mon 12/7/26	Fri 1/8/27
161		Final Cleaning	25 days?	Mon 12/14/26	Fri 1/15/27
162		Mechanical Equipment Start-up	20 days?	Mon 12/14/26	Fri 1/8/27
163		Mechanical Test & Balance	5 days?	Mon 1/11/27	Fri 1/15/27
164		Punch Building	5 days?	Mon 1/18/27	Fri 1/22/27
165		Building Substantial Completion	0 days	Fri 1/22/27	Fri 1/22/27
166		Correct Punch List Items	20 days?	Mon 1/25/27	Fri 2/19/27



Project: Indoor Aquatics - Sche
Date: Mon 7/21/25

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

Page 3

ston, Montana

FACILITY NAMING

Public Opportunity to Name the Facility

- Include “Wellness” in Name
- Denote Regional Benefits
- No Person Names

FACILITY NAMING

Examples

- **Center for Livingston Area Recreation (CLAW)**
-

AGENDA

- Location
- Facility Use
- Capital Funding
- Operating Arrangements

LIVINGSTON
MONTANA

OPERATING ARRANGEMENTS

- **Free Facility Access for Residents**
- **Paid Access for Non-Residents**
- **Rentable Spaces for Organizations and Groups**

OPERATING BUDGET ASSUMPTION

Item	Year 1 (FY 2027) 9 mo. of Operations	Year 2 (FY 2028)	Year 3 (FY 2029)	Year 4 (FY 2030)	Year 5 (FY 2031)
Expenditures					
Staffing	845,208	1,183,291	1,212,873	1,243,195	1,274,275
Office Supplies	11,250	15,450	15,836	16,232	16,638
Chemicals	18,750	25,750	26,394	27,054	27,730
Repairs/Maintenance	15,000	20,000	20,000	20,000	20,000
Janitor Supplies	15,000	20,600	21,115	21,643	22,184
Recreation Supplies	20,250	27,810	28,505	29,218	29,948
Uniforms	3,000	7,000	7,000	7,000	7,000
Printing/posting/advertising	7,500	12,000	12,000	12,000	12,000
Resale Items	3,000	4,120	4,223	4,329	4,437
Utilities	150,000	206,000	211,150	216,429	221,839
Water Sewer	7,500	10,300	10,558	10,821	11,092
Insurance	37,500	50,750	51,511	52,284	53,068
Phones	3,750	5,150	5,279	5,411	5,546
Contract Services	22,500	30,450	30,907	31,370	31,841
Rental Equipment	1,500	2,060	2,112	2,164	2,218
Training	5,250	7,210	7,390	7,575	7,764
Conference Cont Ed	3,750	5,150	5,279	5,411	5,546
Trash	3,750	5,150	5,279	5,411	5,546
Dues and Subscriptions	6,000	8,000	8,001	8,002	8,003
rec 1/bank Charges	16,500	22,330	22,665	23,005	23,350
Misc Contingency	11,250	15,000	15,000	15,000	15,000
Capital Replacement Fund	-				
Total Expenditures	1,208,208	1,683,571	1,723,076	1,763,553	1,805,026

GREAT FALLS OPERATING BUDGET

Budget Performance Report

Date Range 07/01/24 - 06/30/25
Include Rollup Account and Rollup to Object

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd
Fund 5715 - AIM HIGH BIG SKY									
EXPENSE									
Department 64 - PARK & RECREATION									
Division 681 - ADMIN/BUILDING									
42230	JANITORIAL SUPPLIES	25,000.00	.00	25,000.00	1,814.93	.00	19,154.72	5,845.28	77
42290	OTHER OPERATING SUPPLIES	2,500.00	.00	2,500.00	3,073.63	.00	19,192.53	(16,692.53)	768
42350	BUILDING PARTS	6,500.00	.00	6,500.00	37.96	.00	410.08	6,089.92	6
42390	OTHER REPAIR & MAINTENANCE SUPPLIES	600.00	.00	600.00	41.36	.00	1,156.96	(556.96)	193
42520	SUPPLIES FOR RESALE MISCELLANEOUS	22,500.00	.00	22,500.00	1,341.02	.00	13,347.10	9,152.90	59
43210	PRINTING, FORMS, ETC	500.00	.00	500.00	.00	.00	1,447.38	(947.38)	289
43340	ADVERTISING	5,000.00	.00	5,000.00	1,923.41	.00	3,333.40	1,666.60	67
43420	ELECTRIC UTILITY	220,000.00	.00	220,000.00	23,178.72	.00	182,541.74	37,458.26	83
43430	GAS UTILITY	29,000.00	.00	29,000.00	2,504.05	.00	21,155.67	7,844.33	73
43440	CITY SANITATION DISPOSAL	5,760.00	.00	5,760.00	167.00	.00	1,670.00	4,090.00	29
43450	WATER UTILITY	14,693.00	.00	14,693.00	625.87	.00	9,880.08	4,812.92	67
43460	SEWER UTILITY	13,794.00	.00	13,794.00	383.81	.00	3,533.00	10,261.00	26
43470	STORM DRAIN UTILITY	3,040.00	.00	3,040.00	290.68	.00	2,906.80	133.20	96
43590	OTHER PROFESSIONAL SERVICES MISCELLANEOUS	5,000.00	.00	5,000.00	1,252.25	.00	8,161.78	(3,161.78)	163
43610	GROUNDS & IMPROVEMENTS	500.00	.00	500.00	.00	.00	32.63	467.37	7
43630	MAINTENANCE AGREEMENTS	11,612.00	.00	11,612.00	1,836.11	.00	3,698.57	7,913.43	32
43640	MACHINERY & EQUIPMENT REPAIR & MAINTENANCE	6,500.00	.00	6,500.00	.00	.00	226.05	6,273.95	3
43710	MILEAGE - PERSONAL CAR IN CITY	250.00	.00	250.00	.00	.00	188.27	61.73	75
43790	MISCELLANEOUS TRAVEL EXPENSE	3,000.00	.00	3,000.00	.00	.00	3,432.62	(432.62)	114
43975	OTHER SHOW / EVENTS COSTS MISCELLANEOUS	500.00	.00	500.00	.00	.00	400.33	99.67	80
45515	CREDIT CARD FEES	60,000.00	.00	60,000.00	2,361.91	.00	17,844.11	42,155.89	30
	Division 681 - ADMIN/BUILDING Totals	$436,249.00	$0.00	$436,249.00	$40,832.71	$0.00	$313,713.82	$122,535.18	72%
Division 683 - FACILITY/RECREATION PROGRAMS									
42290	OTHER OPERATING SUPPLIES	10,000.00	.00	10,000.00	1,333.39	.00	5,296.69	4,703.31	53
42310	GAS, OIL, DIESEL FUEL, GREASE, ETC	.00	.00	.00	131.64	.00	953.83	(953.83)	+++
43210	PRINTING, FORMS, ETC	100.00	.00	100.00	.00	.00	.00	100.00	0
43590	OTHER PROFESSIONAL SERVICES MISCELLANEOUS	10,000.00	.00	10,000.00	331.50	.00	5,858.40	4,141.60	59
43975	OTHER SHOW / EVENTS COSTS MISCELLANEOUS	500.00	.00	500.00	.00	.00	149.19	350.81	30
	Division 683 - FACILITY/RECREATION PROGRAMS Totals	$20,600.00	$0.00	$20,600.00	$1,796.53	$0.00	$12,258.11	$8,341.89	60%
Division 685 - SPORTS/FITNESS									
42290	OTHER OPERATING SUPPLIES	600.00	.00	600.00	350.94	.00	3,178.33	(2,578.33)	530
43210	PRINTING, FORMS, ETC	100.00	.00	100.00	.00	.00	.00	100.00	0
43590	OTHER PROFESSIONAL SERVICES MISCELLANEOUS	25,500.00	.00	25,500.00	32.50	.00	13,514.50	11,985.50	53
43790	MISCELLANEOUS TRAVEL EXPENSE	2,000.00	.00	2,000.00	.00	.00	.00	2,000.00	0
43975	OTHER SHOW / EVENTS COSTS MISCELLANEOUS	5,000.00	.00	5,000.00	.00	.00	14,940.36	(9,940.36)	299
	Division 685 - SPORTS/FITNESS Totals	$33,200.00	$0.00	$33,200.00	$383.44	$0.00	$31,633.19	$1,566.81	95%

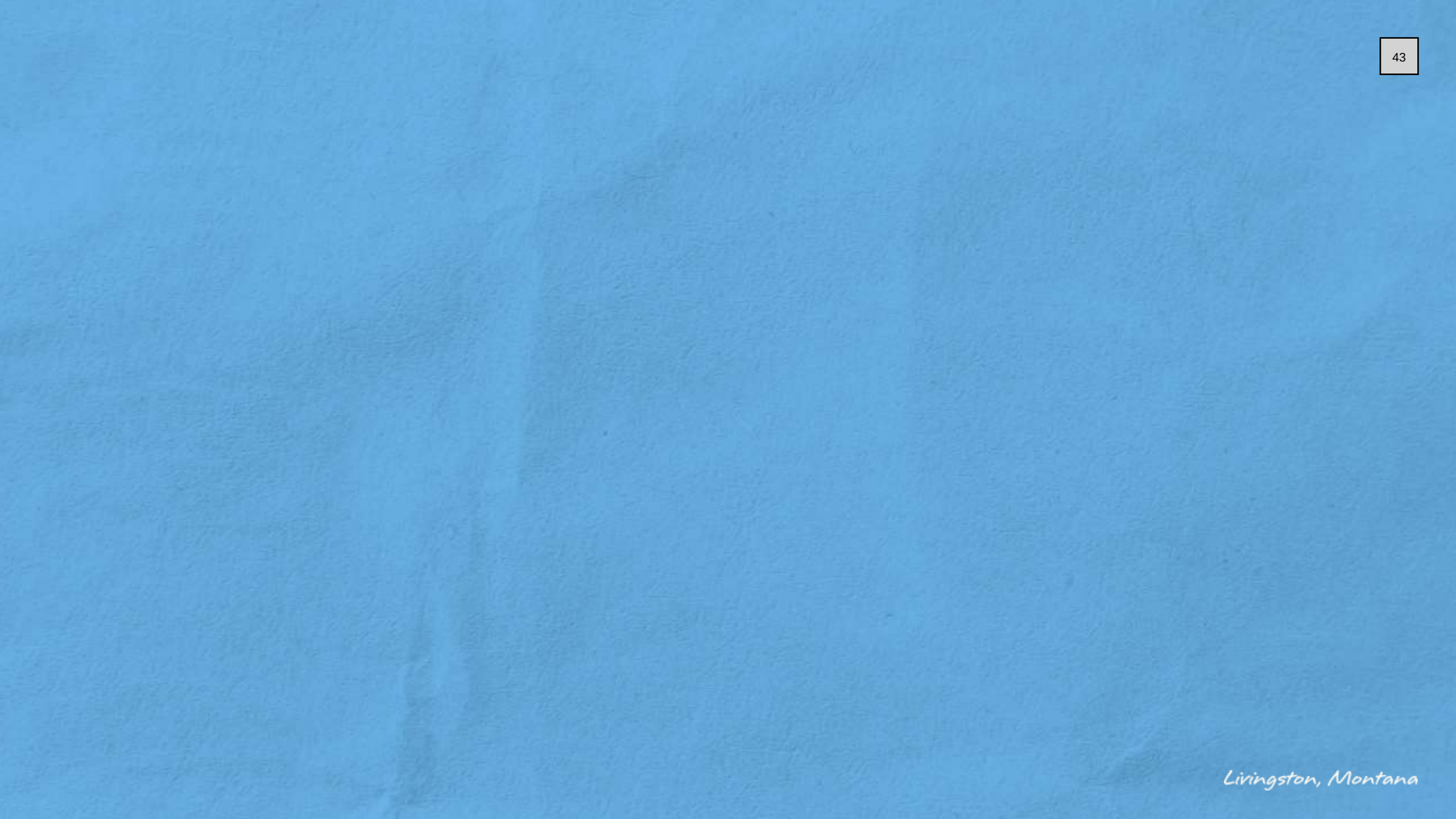
GREAT FALLS OPERATING BUDGET

Budget Performance Report

Date Range 07/01/24 - 06/30/25
Include Rollup Account and Rollup to Object

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd
Fund 5715 - AIM HIGH BIG SKY									
EXPENSE									
Department 64 - PARK & RECREATION									
Division 687 - AQUATICS									
42220	CHEMICAL, LAB & MEDICAL SUPPLIES	40,000.00	.00	40,000.00	6,355.40	.00	34,141.64	5,858.36	85
42290	OTHER OPERATING SUPPLIES	9,500.00	.00	9,500.00	5,854.62	.00	17,756.56	(8,256.56)	187
43210	PRINTING, FORMS, ETC	100.00	.00	100.00	.00	.00	95.00	5.00	95
43590	OTHER PROFESSIONAL SERVICES MISCELLANEOUS	5,000.00	.00	5,000.00	141.00	.00	5,036.19	(36.19)	101
43790	MISCELLANEOUS TRAVEL EXPENSE	2,000.00	.00	2,000.00	.00	.00	1,667.84	332.16	83
43975	OTHER SHOW / EVENTS COSTS MISCELLANEOUS	1,000.00	.00	1,000.00	.00	.00	.00	1,000.00	0
	Division 687 - AQUATICS Totals	$57,600.00	$0.00	$57,600.00	$12,351.02	$0.00	$58,697.23	($1,097.23)	102%
	Department 64 - PARK & RECREATION Totals	$547,649.00	$0.00	$547,649.00	$55,363.70	$0.00	$416,302.35	$131,346.65	76%
	EXPENSE TOTALS	$547,649.00	$0.00	$547,649.00	$55,363.70	$0.00	$416,302.35	$131,346.65	76%
	Fund 5715 - AIM HIGH BIG SKY Totals								
	REVENUE TOTALS	.00	.00	.00	.00	.00	.00	.00	+++
	EXPENSE TOTALS	547,649.00	.00	547,649.00	55,363.70	.00	416,302.35	131,346.65	76%
	Fund 5715 - AIM HIGH BIG SKY Totals	($547,649.00)	$0.00	($547,649.00)	($55,363.70)	$0.00	($416,302.35)	($131,346.65)	
	Grand Totals								
	REVENUE TOTALS	.00	.00	.00	.00	.00	.00	.00	+++
	EXPENSE TOTALS	547,649.00	.00	547,649.00	55,363.70	.00	416,302.35	131,346.65	76%
	Grand Totals	($547,649.00)	$0.00	($547,649.00)	($55,363.70)	$0.00	($416,302.35)	($131,346.65)	


LIVINGSTON
MONTANA


Livingston, Montana

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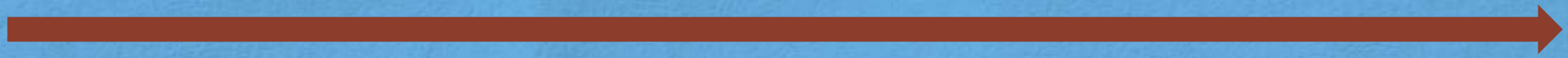


Livingston, Montana

HEADER

File Attachments for Item:

B. APPROVAL OF CLAIMS PAID 8/28/25 - 9/10/25

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid
AAA CLEANING, LLC							
3727	AAA CLEANING, LLC	274	clty hall cleaning	08/31/2025	3,250.00	3,250.00	09/05/2025
3727	AAA CLEANING, LLC	275	clVIC CENTER	08/31/2025	2,600.00	2,600.00	09/05/2025
3727	AAA CLEANING, LLC	276	Bennett St cleaning	08/31/2025	156.25	156.25	09/05/2025
3727	AAA CLEANING, LLC	276	Bennett St cleaning	08/31/2025	156.25	156.25	09/05/2025
3727	AAA CLEANING, LLC	276	Bennett St cleaning	08/31/2025	156.25	156.25	09/05/2025
3727	AAA CLEANING, LLC	276	Bennett St cleaning	08/31/2025	156.25	156.25	09/05/2025
Total AAA CLEANING, LLC:					6,475.00	6,475.00	
AMERICAN AUTOMOTIVE							
3378	AMERICAN AUTOMOTIVE	8613	2014 FORD REPAIR	08/25/2025	94.96	94.96	09/05/2025
Total AMERICAN AUTOMOTIVE:					94.96	94.96	
BADGE & WALLET							
10008	BADGE & WALLET	747129	OPS BADGES	07/21/2025	1,500.00	1,500.00	09/05/2025
10008	BADGE & WALLET	747129	OPS BADGES	07/21/2025	587.10	587.10	09/05/2025
Total BADGE & WALLET:					2,087.10	2,087.10	
BALCO UNIFORM COMPANY, INC.							
3371	BALCO UNIFORM COMPANY, IN	84926-1	Uniform-ALLEN	08/25/2025	132.14	132.14	09/05/2025
Total BALCO UNIFORM COMPANY, INC.:					132.14	132.14	
BETTER DAYS CLEANING							
10004	BETTER DAYS CLEANING	1392	CLEANING-	06/25/2025	1,750.00	1,750.00	09/05/2025
Total BETTER DAYS CLEANING:					1,750.00	1,750.00	
BIG SKY COMMUNICATIONS INC							
10002	BIG SKY COMMUNICATIONS IN	87559	BATTERY	08/19/2025	414.00	414.00	09/05/2025
Total BIG SKY COMMUNICATIONS INC:					414.00	414.00	
BIG SKY PASSENGER RAIL AUTHORITY							
10004	BIG SKY PASSENGER RAIL AUT	2025.8.27	MEETING SPONSORSHIP	08/27/2025	500.00	500.00	09/05/2025
Total BIG SKY PASSENGER RAIL AUTHORITY:					500.00	500.00	
BRUCE E. BECKER, P.C.							
10000	BRUCE E. BECKER, P.C.	2025.8.31	Contracted service	08/31/2025	4,000.00	4,000.00	09/05/2025
Total BRUCE E. BECKER, P.C.:					4,000.00	4,000.00	
CANON FINANCIAL SERVICES, INC							
1747	CANON FINANCIAL SERVICES, I	41620720	Printer	08/12/2025	29.31	29.31	09/05/2025
1747	CANON FINANCIAL SERVICES, I	41620721	Printer	08/12/2025	29.75	29.75	09/05/2025
Total CANON FINANCIAL SERVICES, INC:					59.06	59.06	
CARI RUBIN							
10005	CARI RUBIN	2025.8.20	REIMB-TRAVEL	08/20/2025	42.00	42.00	09/05/2025
Total CARI RUBIN:					42.00	42.00	

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid
CASELLE							
3763	CASELLE	INV-10576	APPLICATION SOFTWARE	09/02/2025	3,455.99	3,455.99	09/05/2025
3763	CASELLE	INV-10576	APPLICATION SOFTWARE	09/02/2025	108.29	108.29	09/05/2025
3763	CASELLE	INV-10576	APPLICATION SOFTWARE	09/02/2025	108.29	108.29	09/05/2025
3763	CASELLE	INV-10576	APPLICATION SOFTWARE	09/02/2025	209.00	209.00	09/05/2025
3763	CASELLE	INV-10576	APPLICATION SOFTWARE	09/02/2025	209.00	209.00	09/05/2025
3763	CASELLE	INV-10576	APPLICATION SOFTWARE	09/02/2025	317.29	317.29	09/05/2025
Total CASELLE:					4,407.86	4,407.86	
CENTURYLINK							
162	CENTURYLINK	2025.8.9	406-222-0137- 441b	08/09/2025	106.29	106.29	09/05/2025
Total CENTURYLINK:					106.29	106.29	
D&R COFFEE SERVICE INC							
10002	D&R COFFEE SERVICE INC	193452	RENTAL FEE	08/25/2025	50.00	50.00	09/05/2025
Total D&R COFFEE SERVICE INC:					50.00	50.00	
DEPARTMENT OF LABOR & INDUSTRY							
2338	DEPARTMENT OF LABOR & IND	2025.9.18	MTB#14689	09/18/2025	152.00	152.00	09/05/2025
Total DEPARTMENT OF LABOR & INDUSTRY:					152.00	152.00	
ENERGY LABORATORIES, INC.							
424	ENERGY LABORATORIES, INC.	727723	Effluent	08/13/2025	1,760.00	1,760.00	09/05/2025
Total ENERGY LABORATORIES, INC.:					1,760.00	1,760.00	
FRONTLINE AG SOLUTIONS, LLC							
2516	FRONTLINE AG SOLUTIONS, LL	1261288	HOSE FITTING	08/20/2025	378.50	378.50	09/05/2025
2516	FRONTLINE AG SOLUTIONS, LL	1261997	NIPPLE	08/21/2025	15.03	15.03	09/05/2025
Total FRONTLINE AG SOLUTIONS, LLC:					393.53	393.53	
GUNDERSON, JASON							
3729	GUNDERSON, JASON	2025.8.7	REIMB-TRAVEL	08/07/2025	175.13	175.13	09/05/2025
Total GUNDERSON, JASON:					175.13	175.13	
GUY'S GLASS, INC.							
529	GUY'S GLASS, INC.	16839-D	Rock chip repair	07/29/2025	25.00	25.00	09/05/2025
Total GUY'S GLASS, INC.:					25.00	25.00	
INDUSTRIAL COMM & ELEC OF BOZEMAN							
3455	INDUSTRIAL COMM & ELEC OF	35321	repair MOBILE RADIO	08/18/2025	930.00	930.00	09/05/2025
Total INDUSTRIAL COMM & ELEC OF BOZEMAN:					930.00	930.00	
JORDAN BRUMMEL							
10002	JORDAN BRUMMEL	2025.8.7	TRAVEL-REIMB	08/07/2025	32.00	32.00	09/05/2025
Total JORDAN BRUMMEL:					32.00	32.00	

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid
KELLEY CREATE							
10006	KELLEY CREATE	IN1998781	RED INK	06/17/2025	175.99	175.99	09/05/2025
10006	KELLEY CREATE	IN2059492	JH13670	08/25/2025	103.93	103.93	09/05/2025
	Total KELLEY CREATE:				279.92	279.92	
KNIFE RIVER							
8	KNIFE RIVER	965900	Plant Mix	08/25/2025	444.00	444.00	09/05/2025
	Total KNIFE RIVER:				444.00	444.00	
MAIN LINE MECHANICS INC							
10007	MAIN LINE MECHANICS INC	375	LOW FUEL PRESSURE	08/22/2025	2,952.29	2,952.29	09/05/2025
	Total MAIN LINE MECHANICS INC:				2,952.29	2,952.29	
MARCO HUERTA							
10007	MARCO HUERTA	2025.8.19	CRITICAL CARE	08/19/2025	1,661.10	1,661.10	09/05/2025
	Total MARCO HUERTA:				1,661.10	1,661.10	
MISC							
99999	MISC	TK2025-0052	Bond Refund	08/22/2025	110.00	110.00	08/22/2025
	Total MISC:				110.00	110.00	
MOUNTAIN AIR SPORTS							
34	MOUNTAIN AIR SPORTS	12510	EMS CLOTHING	08/25/2025	2,000.00	2,000.00	09/05/2025
34	MOUNTAIN AIR SPORTS	12510	ReSERVE CLOTHING	08/25/2025	1,000.00	1,000.00	09/05/2025
	Total MOUNTAIN AIR SPORTS:				3,000.00	3,000.00	
MSU EXTENSION SERVICE							
3275	MSU EXTENSION SERVICE	429	LEADERSHIP 49-EMANUEL	08/12/2025	350.00	350.00	09/05/2025
3275	MSU EXTENSION SERVICE	434	LEADERSHIP 49-SEVERSON	08/12/2025	350.00	350.00	09/05/2025
	Total MSU EXTENSION SERVICE:				700.00	700.00	
RANGER INDUSTIRES LLC							
10008	RANGER INDUSTIRES LLC	1022255	UNIFORM BELT BUCKLES	08/18/2025	137.50	137.50	09/05/2025
	Total RANGER INDUSTIRES LLC:				137.50	137.50	
RDO EQUIPMENT							
3592	RDO EQUIPMENT	P8420816	MIRROR	08/25/2025	498.47	498.47	09/05/2025
	Total RDO EQUIPMENT:				498.47	498.47	
ROCKY MOUNTAIN SUPPLY INC							
10006	ROCKY MOUNTAIN SUPPLY INC	02067	BOX HE MOLY	08/21/2025	59.00	59.00	09/05/2025
10006	ROCKY MOUNTAIN SUPPLY INC	036021	RED PROTECT	08/21/2025	231.00	231.00	09/05/2025
10006	ROCKY MOUNTAIN SUPPLY INC	036022	MOLY EXTREME	08/21/2025	236.00	236.00	09/05/2025
10006	ROCKY MOUNTAIN SUPPLY INC	036023	DEF DRUM	08/21/2025	199.00	199.00	09/05/2025
	Total ROCKY MOUNTAIN SUPPLY INC:				725.00	725.00	

Vendor	Vendor Name	Invoice Number	Description	Invoice Date	Net Invoice Amount	Amount Paid	Date Paid
SISTER CITIES INTERNATIONAL							
515	SISTER CITIES INTERNATIONA	25401	MEMBERSHIP DUES	09/02/2025	310.00	310.00	09/05/2025
	Total SISTER CITIES INTERNATIONAL:				310.00	310.00	
SYBERTECH WASTE REDUCTION LTD							
10008	SYBERTECH WASTE REDUCTI	U11226	DOWNTOWN PLANTERS	06/19/2025	20,106.96	20,106.96	09/05/2025
	Total SYBERTECH WASTE REDUCTION LTD:				20,106.96	20,106.96	
TARR, MARGARET							
3586	TARR, MARGARET	2025.8.26	REIMB-SUPPLIES	08/26/2025	141.20	141.20	09/05/2025
3586	TARR, MARGARET	2025.8.26	REIMB-SUPPLIES	08/26/2025	266.10	266.10	09/05/2025
	Total TARR, MARGARET:				407.30	407.30	
TOWN & COUNTRY FOODS - LIVINGSTON							
2595	TOWN & COUNTRY FOODS - LI	40.2025	OPS COFFEE	08/27/2025	30.78	30.78	09/05/2025
	Total TOWN & COUNTRY FOODS - LIVINGSTON:				30.78	30.78	
UPS STORE #2420, THE							
292	UPS STORE #2420, THE	2025.8.26	ShipPING	08/26/2025	76.74	76.74	09/05/2025
	Total UPS STORE #2420, THE:				76.74	76.74	
WOODS ROSE MARKET							
3747	WOODS ROSE MARKET	1124	annual planters	07/28/2025	280.00	280.00	09/05/2025
	Total WOODS ROSE MARKET:				280.00	280.00	
	Grand Totals:				55,306.13	55,306.13	

Dated: _____

Mayor: _____

City Council: _____

_____

_____

_____

_____

_____

City Recorder: _____

File Attachments for Item:

C. JUDGES MONTHLY REPORT JULY 2025

LIVINGSTON CITY COURT
MONTHLY FINANCIAL REPORT

Month: July 2025

Dismissed-Plea Agreement:	2
" Pretrial Diversion/Deferred:	
" Miscellaneous:	9
Paid Fines:	24

Monthly Total: 35

Paid-Bond Forfeit/Fines/Time Payments: $7,059.58

Parking Enforcement & Police issued Parking Tickets: $4,400.50

TOTAL $11,460.08

MLEA Surcharge:	$380.00
TECH Surcharge:	$330.00
Victim/Witness Surcharge:	$295.00
MISD Surcharge:	$645.00
Court Costs	$130.00

TOTAL: ($ 1,780.00)

Total amount credited to City of Livingston General Fund: $9,680.08

I hereby certify that this is a true and correct statement of the amount of fines/fees/costs which were fully paid and credited with Livingston City Court during the month of: July 2025

Prepared by: Holly Happe Date: 8-14-25

Hon. Holly Happe
Livingston City Judge

File Attachments for Item:

D. LETTER OF SUPPORT PERTAINING TO NATIONAL HISTORIC REGISTER CORRECTION

LivingstonMontana.org | PublicComment@LivingstonMontana.org | 406.823.6000

DATE: September 16, 2025

TO: Chair Schwarz and City Commissioners

FROM: Jennifer Severson, Planning Director

RE: Staff Report **for National Register Eligibility Correction for the Goughnour Lumber Office Building (214 South 2nd Street)**

Recommendation and Summary

Staff recommends the Commission confirm its support of the National Register nomination eligibility correction for the Goughnour Lumber Office by adopting the following motion:

"I move to support the correction of the National Register nomination eligibility of the Goughnour Lumber Company Office building and authorize the Chair to sign a letter of support ."

The reasons for the recommendation are as follows:

- The original Livingston Downtown Commercial Historic District nomination to the National Register erroneously designated the building as "intrusive" and "noncontributing".
- The correction to the National Register nomination will change the designation of the building to being a "contributing" structure in the Downtown Commercial Historic District.

Introduction and History

The National Park Service's National Register of Historic Places is part of a national program to coordinate and support public and private efforts to identify, evaluate and protect America's historic and archeological resources. The Livingston Downtown Commercial Historic District, established in 1979, is one of five recognized National Historic Districts in the City of Livingston.

Analysis

The proposed addendum to the listing of the Goughnour Lumber Office Building corrects a mistake in the original nomination of the Livingston Downtown Commercial District to the National Register of Historic Places. That documentation, accepted September 5, 1979, counts the Goughnour Lumber Company Office Building (referred to as the Yellowstone Music Company in the nomination), located at 214 South 2nd Street in Livingston, Montana as a noncontributing resource to the district, erroneously citing it as "intrusive." The building, constructed in 1891, well within the initial period of significance for the district, stands much as it did when constructed and retains excellent integrity. Three periods of significance noted in the original Commercial District documentation include 1875-1899, 1900-1924, and 1925-1949; the Goughnour Lumber Company building holds significance under all three time periods.

Fiscal Impact

There is no fiscal impact to the City that will result from the proposed correction to the National Register listing.

Strategic Alignment

Ensuring the National Register includes accurate information about buildings in the Downtown Commercial Historic District supports Goal 2.1 of the City's Growth Policy to preserve and enhance Livingston's unique community character, and Goal 2.2 to make Livingston an arts and cultural destination paying homage to the rich local history of the area, natural recreation, and our unique natural environment.

Attachments

- Attachment A: National Register of Historic Places Addendum for the Goughnour Lumber Company Office Building
- Attachment B: Letter of Support for the Proposed Correction to the National Register (to be signed by the Commission Chair)

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Goughnour Lumber Company Office	59
Name of Property	
Park County, MT	
County and State	
79001409	
NR Reference Number	

This addendum corrects a mistake in the Commercial District, Livingston, Montana National Register of Historic Places nomination. That documentation, accepted September 5, 1979, counts the Goughnour Lumber Company Office building (referred to as the Yellowstone Music Company in the nomination), located at 214 South 2nd St., Livingston, as a noncontributing resource to the district, erroneously citing it as an "intrusive." The building, constructed in 1891, well within the initial period of significance for the district, stands much as it did when constructed and retains excellent integrity. Three periods of significance noted in the original Commercial District documentation include 1875-1899, 1900-1924, and 1925-1949; the Goughnour Lumber Company building holds Criterion A significance under all three periods and also under Criterion C.

State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act, as amended,

I hereby certify that this X additional documentation ___ move ___ removal
___ name change (additional documentation) ___ other

meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60.

MT State Historic Preservation Officer

Signature of Certifying Official/Title: Date of Action

National Park Service Certification

I hereby certify that this property is:

___ entered in the National Register
___ determined eligible for the National Register
___ determined not eligible for the National Register
___ removed from the National Register
__ additional documentation accepted
___ other (explain:) _____

Signature of the Keeper Date of Action

5. Classification (#3 on NRHP form)

Ownership of Property

(Check as many boxes as apply.)

Private:	X
Public – Local	
Public – State	
Public – Federal	

Category of Property

(Check only **one** box.)

Building(s)	X
District	
Site	
Structure	
Object	

6. Function or Use (#6 on NRHP form)

Historic Functions

(Enter categories from instructions.)

_COMMERCE/TRADE: business___

_____

_____

Current Functions

(Enter categories from instructions.)

__DOMESTIC: multiple dwelling__

_____

7. Description (#7 on NRHP form)

Architectural Classification
(Enter categories from instructions.)
_OTHER: Western Commercial___
_____
_____

Materials: (enter categories from instructions.)
Principal exterior materials of the property: _BRICK_____

The two-story Western Commercial style brick Goughnour Lumber Company Office features a slightly sloped roof and flat parapet on the east façade and stepped parapets on the sidewalls (north and south elevations). Red brick laid in a running bond pattern comprise the walls. The buildings rests on a stone foundation. Two slightly protruding end pilasters flank the single bay façade. The pilasters rise above the upper story windows and step inward toward the building's center to display four rows of recessed semicircular arches below the parapet and above the upper window units. The north wall continues to display historic ghost imaging from the past with the two most readily apparent reflecting use by the Livingston Lumber Company and A. W. Miles Lumber and Coal. The building stands roughly east-west in orientation.

Exterior walls hold original window openings. East and north elevation window openings feature two-tiered gently angled solder course brick forming segmental arches with stone sills and those in the west (rear) elevation displays flat arches and brick sills. All windows opening hold two-over-two double hung units. Three window openings appear in the east façade ground floor and the second story. The north wall displays three ground floor window openings and four second story window openings while the west, rear, elevation holds three matching window openings in both the lower and second story. No fenestration occurs in the south elevation, which is mostly obscured by the building immediately to the south.

Entries include a single 3-foot recessed persondoor in the front (east) elevation and two slightly recessed entries in the north wall, one that holds a single persondoor and the other containing paired doors—all feature multi-pane arrangements. Similar to the window openings, inset entries are topped with two-tiered gently angled solder course brick that form eyebrow arches.

A small east-west running courtyard is immediately north of the Goughnour Lumber Company Office separated from the building by a concrete walk.

Integrity
The Goughnour Lumber Company Office building retains excellent integrity. It stands in its original location and presents sound integrity of setting, feeling, and association. Although some historic fabric of the neighborhood has been lost over the decades, much remains. The building stands as one of the earliest in an area that harkens to the building's period of construction and the historic neighborhood

development. Integrity of workmanship, design, and materials remain exceptionally strong as it easily displays historic construction as use as an office building.

8. Significance (#8 on NRHP Form)

The Goughnour Lumber Company Office arose from the business pursuits of Emanuel Goughnour. Goughnour hailed from Cambria City, Pennsylvania.[1] He married his first wife, Margaret Dilts, in 1853 in Sacramento, California.[2] After Margaret's passing, he married Jane Sens in 1856. In 1860, Emanuel, Jane, and three-year-old Miram, lived in Ringgold County, Iowa, where Emanuel listed his occupation as "millwright."[3]

By at least 1883, the Goughnours lived in Livingston, Montana, with Emanuel devoted to the lumber business, running advertisements that stated, "before buying lumber go and see a man by tde (*sic*) name of Goughnour."[4] Emanuel operated his own lumber camp "some eight miles out" of town and "moved his saw-mill to a new location, in a valley that empties into the Shields River near a "belt of timberland from two to three miles in length and fully a mile in average width" where…"ere (sic) this it is slicing up the native pine in great profusion."[5] Work in the Shields River area apparently proved so bountiful he advertised the need for "eight to ten teams to haul lumber."[6] Emanuel worked around the state, not just in the Livingston area. In September of 1884, he received a contract "for the erection of the dormitory building at the new Crow agency on the Little Big Horn…the timbers of the building will be sawed and framed at Mr. Goughnour's mills at Livingston and shipped…to the site of the building."[7]

More than just supplying lumber, he advertised, "keep it before the people that go Goughnour can furnish you anything in the lumber line from a piece of moulding to a house ready furnished."[8] Whether for his family's personal need or that of the lumber camp, Emanuel also sought "a man with wife that is a good cook."[9] Two weeks later, he advertised a desire to lease "four or six lots suitable for a lumber yard;"[10] it is unknown if the search for these lots reflects Emanuel's eventual placement of the lumber yard where the two-story brick building of this addendum stands.

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[1] Emanuel Goughnour Sr., "Find A Grave," https://www.findagrave.com/memorial/124865525/emanuel-goughnour?_gl=1*2i76ry*_gcl_au*NTQ1Mzg1MDkyLjE3Mzg4Njg4NzI.*_ga*MTcwOTUwNDczNS4xNjY2ODk1MjQ4*_ga_4QT8FMEX30*MzJmOWNmOTctYjBhYS00ZDVjLTkyMzEtZTZjYWMzMzgxYjk1LjEwMy4xLjE3NDI0MDQ0NzUuNDEuMC4w*_ga_LMK6K2LSJH*MzJmOWNmOTctYjBhYS00ZDVjLTkyMzEtZTZjYWMzMzgxYjk1Ljc0LjEuMTc0MjQwNDQ3NS4wLjAuMA, accessed March 19, 2025.

[2] Emanuel Goughnour, https://www.ancestry.com/family-tree/person/tree/21080308/person/1034954905/facts, accessed March 19, 2025.

[3] 1860 United States Census for Platte Township, Ringgold County, Iowa.

[4] Advertisement, *Daily Enterprise,* June 7, 1883, p. 3; "Heavy Tax Payers," *Livingston Enterprise,* November 26, 1887, p. 1.

[5] "A Short Ride," *Daily Enterprise,* August 11, 1883, p. 2; "Local Layout," *Daily Enterprise,* June 14, 1883, p. 3.

[6] "Wanted," *Daily Enterprise,* October 12, 1883, p. 3.

[7] "Got the Contract," *Daily Enterprise,* September 1, 1884, p. 3.

[8] "Local Layout," *Daily Enterprise,* July 3 14, 1883, p. 3.

[9] "Wanted," *Daily Enterprise,* July 14, 1883, p. 3.

[10] "Wanted To Lease," *Daily Enterprise,* August 1, 1883, p. 3.

Emanuel was active in the Livingston community and by early summer of 1883, served on the embryonic Board of Trade, soon to ascend to president.[11] By 1890, he served on the Board of Directors of the National Park Bank of Livingston.[12]

By 1891, Emanuel operated his lumber business on the property of this addendum noting a variety of services and products: "dealer in every description of building material, consisting of Eastern, Western, and Native Lumber, sash, doors, blinds, lath, mouldings, shingles, also paints, oils, varnishes, building paper."[13] Setting permanent roots on the site, Emanuel began construction of the subject building with "the lower joist laid on his new office and store room."[14] Two weeks later, the newspaper reported:

> Mr. E. Goughnour, the enterprising lumber merchant, has had the excavation completed and the foundation laid for his two-story brick business block on 2nd street. for some time. He has experienced some little difficulty in procuring the necessary brick for the construction of the building, but this has recently been obviated and the walls are now being rushed rapidly to completion. The basement will be occupied by Mr. Goughnour for the storage of paints, oils, cement and stucco. The front part of the first floor will be finished off for office rooms, and the back part and second floor will be stocked with sash, doors, moldings, etc. When completed Mr. Goughnour will have one of the finest offices of the kind to be found anywhere in the state.[15]

Issues with the brick proved fleeting as by June, "Messrs. Fennell and Wetterau laid the brick in the buildings of Goughnour and Chambers. They are excellent stone masons and brick layers with many years experience."[16] One month later, in July, Emanuel had "his new two-story office structure nearly ready for occupancy…furnishing ample office room to accommodate his increased trade," with the "plasterers and carpenters…now at work putting on the final touches."[17] Emanuel soon moved into the new building that measured "24 x 60 feet and two stories high" with a "cost in the neighborhood of $6000."[18] The new building received acclaim as "a credit to the city" with the "office…being finished in an elaborate manner, with red pine from California…the floor is laid with Georgia pine. Mr. Goughnour is doing a good business."[19] To make room for the new building, Emanuel moved his old

[11] "Board of Trade Meeting," *Daily Enterprise,* August 1, 1883, p. 1; "Board of Trade," *Daily Enterprise,* October 16, 1883, p. 1.

[12] "National Park Bank of Livingston," *Livingston Enterprise,* January 11, 1890, p. 1.

[13] Advertisement, *Livingston Post,* January 1, 1891, p. 4.

[14] "Local Matters," *Livingston Post,* May 14, 1891, p. 3.

[15] "Local Matters," *Livingston Post,* May 28, 1891, p. 3.

[16] "Local Matters," *Livingston Post,* June 25, 1891, p. 3.

[17] "Local Layout," *Livingston Enterprise,* July 11, 1891, p. 3; "Building Notes, *Livingston Post,* July 2, 1891, p. 3.

[18] "Building Notes, *Livingston Post,* July 2, 1891, p. 3.

[19] "Local Matters," *Livingston Post,* July 9, 1891, p. 3.

office to the opposite side of the street with plans to "give it a thorough overhauling and fit it up for a residence."[20]

By November, it was time for some new furniture:

> Some time ago the Post had occasion to note the completion of E. Goughnour's new brick building on Second street and the convenient office which had been fitted up in the front part of the building. Mr. Goughnour has recently added a piece of furniture to the front office which give the room an appearance of a banking institution. It is the shape of a desk made of oak, with stained glass in front on top of the desk and a door on the end so that the desk encloses a space sufficiently large to give the bookkeeper a private office. The desk and its appurtenances…must have cost in the neighborhood of $200. It…gives the office the appearance of being, what it really is, one of the finest offices in the city…"[21]

With the construction of his new building, Emanuel immediately began a new advertising campaign that noted:

> Lumber and all kinds of building materials. Builders and contractors will please take notice that I am not in the contract business, but will give them better figures than ever before, and my stock will be more complete than can be shown by any firm in Eastern Montana. Good goods at moderate prices is my motto.[22]

Emanuel expanded his lumber business to other parts of the state, but in April of 1892, he placed his Cinnabar, Montana, mill up for sale due to "failing health."[23]

Emanuel listed himself as a "lumber dealer" in the 1900 federal census, a description that downplayed his lumber-related business acumen.[24] Despite the sale of the Cinnabar mill in 1892, it wasn't until 1901 when Emanuel divested himself from the lumber business. In November of that year, "the pioneer lumber merchant of the city…sold his business on Second street to the Livingston Lumber company…operated by Thompson-McGregor company" that owned four "establishments in the state."[25] H. J. Thompson of Billings visited Livingston to close the "deal for the Goughnour interests." Emanuel's son, J.L., managed the Livingston operations during Emanuel's ownership and stayed on serving the same role for the new owners.

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[20] "Local Matters," *Livingston Post,* July 30, 1891, p. 3.

[21] "Local Matters," *Livingston Post,* November 26, 1891, p. 3.

[22] Advertisement, *Livingston Post,* July 9, 1891, p. 2.

[23] "For Sale," *Livingston Post,* April 7, 1892, p. 4. Goughnour also operated a mill near Missoula. "Personal Points," *Livingston Enterprise*, January 2, 1897, p. 6.

[24] 1900 United States Census (Twelfth), for Livingston Precinct, Park County, Montana.

[25] "Business Change," *Livingston Enterprise*, November 11, 1901, p. 1.

The new owners immediately advertised their acquisition:[26]

LIVINGSTON LUMBER COMPANY, J.L. GOUGHNOUR, Manager,
LUMBER DEALER,
SECOND STREET, LIVINGSTON, MONT.

A year later, Thompson arrived in Livingston and filed with the county clerk and recorder "articles of corporation of the Livingston Lumber company…operating in the yards here formerly owned by E. Goughnour…the company has plants at Dillon, Billings Laray and Twin Bridges in this state and Garland, Wyoming."[27]

J. L. Goughnour remained managing the Livingston Lumber Company until May 1903, when he stepped down to assume a similar role with the A. W. Miles company.[28] George Chambers replaced Goughnour at the Livingston Lumber Company, though J.L soon returned.

In 1904, the Livingston Lumber Company published a retrospective of their Livingston acquisition noting they were a:

> corporation owning yards all over Montana" with its principal place of business in Livingston, and in Second street of this city the company owns a fine brick building, two stories high, and has a large yard, stocked with every variety of lumber and finishing know to the trade. H. J. Thompson is the president of the company and J. L. Goughnour is the local manager.
>
> The company absorbed the lumber business of E. Goughnour…and since that time has made its principal office here…Mr. J. L. Goughnour has been connected with the offices and yards now…for many years and is thoroughly familiar with every detail of the business….(the company) has an established reputation for…quality…and equitable nature of its prices…the…company has played an important part and furnished lumber and furnishings for a great many of the dwellings and business blocks….erected here…[29]

In 1910, J. L. Goughnour was appointed Park County assessor. To accept the position, he once again stepped down as manager of the Livingston Lumber Company.[30] Clyde Riggs assumed the managerial

[26] Advertisement, *Livingston Post,* January 2, 1902, p. 8.

[27] "Local News," *Livingston Post,* January 8, 1903, p. 5.

[28] "Additional Local," *Livingston Post,* May 21, 1903, p. 2.

[29] "The Livingston Lumber Company, *Livingston Post,* July 15, 1904, p. 4. Thompson not only was president of the lumber company but also mayor of Billings at this time. "Local Items," *Daily Enterprise,* October 6, 1910, p.3.

[30] "New Assessor Is Appointed," *Livingston Enterprise,* March 10, 1910, p. 3.

position at the lumber company.[31] During this period of Livingston Lumber's ownership, the company branched out to offer a multitude of good that extended to "Carney Coal."[32]

Early 1913 witnessed rumors of a potential sale of the Livingston Lumber Company, once again managed by J. L. Goughnour.[33] By the summer, the business did sell, this time to S. S. Rankin of Wyoming, "a man of varied and most successful experience…thoroughly familiar with every department of the business."[34] Along with Rankin came the ever-present J. L. Goughnour, retained as manager. Upon Rankin's arrival, he "assumed personal charge of that property, 214 south Second street."[35] Rankin continued advertising with simple newspaper announcements: "Let us figure your next bill of lumber—Livingston Lumber company."[36] Seeking to avoid any sort of payment or bill, miscreants visited Livingston Lumber and absconded with $25.00 in coins from the safe, and between $500.00 and $600.00 cash and notes from the cash box. Upon hearing of the safe looting and seeking to preserve the future integrity of the vault, Rankin asked that the newspaper announce that "they'll always find his safe unlocked, so do not blow the door."[37]

By mid-1914, the business began publishing announcements directed toward those who had yet to make the jump to house ownership:[38]

Stop Paying Rent
Make the rent money
Buy You a Home
Part payment down, balance same as rent. Will furnish lots.
Consult us now. Only a limited number to be built. First come first served.

Livingston Lumber Company

Rankin's involvement with the lumber company yielded less than enduring. In August of 1914, just over a year since his acquisition, "at which time he purchased the ful (*sic*) ownership of the Livingston Lumber company" an "investment that proved a satisfying one, until he saw a ranch that took his particular fancy…so he disposed of his lumber interests to The A. W. Miles Lumber and Coal Company…"[39]

[31] "Local," *Livingston Enterprise,* December 29, 1910, p. 3.

[32] Advertisement, *Livingston Enterprise,* August 29, 1911, p. 2.

[33] No title, *Daily Enterprise,* March 22, 1913, p. 3; No title, *Daily Enterprise,* June 14, 1913, p. 3.

[34] "Buys Livingston Lumber Company," *Daily Enterprise,* July 7, 1913, p. 1; "Purchases A Local Plant," *Livingston Enterprise,* July 8, 1913, p. 1.

[35] S. S. Rankin Arrives Here," *Livingston Enterprise,* September 4, 1913, p. 1.

[36] Advertisement, *Livingston Enterprise,* September 25, 1913, p. 5.

[37] "Livingston Lumber Co. Is Robbed," *Livingston Enterprise,* October 11, 1913, p. 1.

[38] Advertisement, *Livingston Enterprise,* June 16, 1914, p. 4.

[39] "Rankin Off To Purchase Cattle," *Livingston Enterprise,* August 10, 1914, p. 2.

One year later, in October of 1915, Miles, president of A. W. Miles Company, awarded a contract to R.B. Bradford "for the immediate erection of a new garage to be located on Second street adjoining the Livingston Lumber company's building"—the building that obscures the south side of the Goughnour Lumber Company Office.[40] A. W. Miles Lumber and Coal Company greatly expanded the written word on advertisements that announced the company's holdings of "farm and building" project floor plans for nearly every type of building or structure conceivable with complimentary information detailing the available building materials to complete any of the said projects.[41] A. W. Miles continued to advertise floorplans for the next several years.[42]

By the middle of 1916, the Goughnour Lumber Company building appears to have sat vacant for a short time. A. W. Miles Company appeared in the 1916 Polk Directory, at least by the time of its printing, in July of that year; however, a "chautauqua" occurred "on the grounds of the old Livingston Lumber company yard, corner of Lewis and Second streets" suggesting the company vacated the building by that month.[43] Although the building sat vacant for a short period, the Miles Land and Investment Company acquired the land where the building sits (and the adjoining property to the immediate north) from Emanuel and Jane Goughnour via a warranty deed in 1917.

The Virden & Currie Company, a purveyor of fruit, conducted business in Livingston by at least 1914 or 1915, at an address about four blocks north of the Goughnour Lumber Company Office building.[44] By 1918, however, and possibly earlier, the company moved into the empty Goughnour Lumber Company Office building and ran advertisements extolling the virtues of fruits and vegetables:[45]

Vegetables and Fruits—
The food administrator
Strongly urges the use
Of Vegetables & Fruits
Of all kinds at all times.
Virden & Currie Co.

The Virden & Currie Company operated two branches, one in Livingston and one in Butte.[46] Within a year of their occupancy, the city fire department responded to a call for "a smudge set by the Virden-Currie company on south second street."[47] In 1921, the Ryan Fruit Company, "one of the largest produce concerns in the northwest" took over the "Livingston branch of Virden-Currie, the pioneer

[40] "New Garage Will Be Erected Here," *Livingston Enterprise,* October 5, 1915, p. 5.

[41] Advertisement, *Livingston Post,* December 2, 1915, p. 4.

[42] Advertisement, *Livingston Enterprise,* June 16, 1916, p. 8.

[43] "Chautauqua Ticket Sale Will Open This Morning," *Livingston Enterprise,* July 29, 1916, p. 1.

[44] 1914 R. L. Polk & Company Livingston City Directory, p. 336.

[45] 1918 R. L. Polk & Company Livingston City Directory, p. 123; Advertisement, *Livingston Enterprise,* February 19, 1918, p. 4.

[46] Advertisement, *Livingston Enterprise,* October 5, 1919, p. 3.

[47] No title, *Park County News*, August 22, 1919, p. 1.

produce house of this city."[48] E. P. Dunckel who managed the Virden & Currie operation continued service with the new owners; Dunckel stated the acquisition by the Ryan Fruit Company "will be represented by buyers in every field, with large distributing houses in San Francisco, Los Angeles, Seattle and other cities."

True to Dunckel's word, "yum, yum, said folks…when they visited Livingston grocery stores" where "they saw displayed some of the finest fruits and vegetables grown in America, brought here early in the season by the Ryan Fruit Company."[49]

In 1925, the Ryan Fruit Company expanded with the acquisition of the Billings and Livingston "houses of the Midland Fruit company."[50] That same year, near catastrophe occurred to the Goughnour Lumber Company Office as a conflagration broke out in the adjoining Livingston Laundry building to the south.[51] Efficient work by the fire department confined the blaze to the single building "as it had become threatening to adjoining property…the Ryan fruit company offices, which adjoin the laundry…were for a time thought to be in the path of the danger…at 2 o'clock this morning, the adjoining property was no longer threatened." The Ryan Fruit Company didn't completely dodge the inferno bullet as a few years later one of their warehouses in the town of Roundup met a fiery demise in 1928.[52]

By 1930, the Ryan Fruit Company separated its individual branches into "local units," which mandated the records for each office be stored locally.[53] That same year, the company commenced plans to construct a warehouse and office near the Northern Pacific rail line that ran through town, with a completion date by the end of December.[54] The company had "outgrown the present location on South Second street." Construction of the new office/warehouse building may have met the end-of-year deadline, though an announcement for the construction of the new Ryan Fruit Company warehouse appeared in November of the following year, 1931.[55] However, the robbery report of Bud Master of Livingston in January of 1932 noted, "after the cash was secured the holdup marched him to the new Ryan Fruit company building in the Northern Pacific yards," indicating the office/warehouse was built by that time and the November bid solicitation was specific to a warehouse only.[56]

With the move of the Ryan Fruit Company in the early 1930s, the Goughnour Lumber Company Office building sat empty and unused for several years with the Polk city directories noting it vacant in 1935,

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[48] "Absorbs Local House," *Livingston Enterprise,* October 2, 1921, p. 3.

[49] "Local Market Gets Early Shipment of California's Best," *Livingston Enterprise,* April 1, 1922, p. 2.

[50] "Midland Sells To The Ryan Fruit Co." *Park County News,* February 6, 1925, p. 1.

[51] "Flames Seriously Damage Livingston laundry; Fire Isolated By department," *Livingston Enterprise,* October 16, 1925, p. 1.

[52] "News Of The Week In Brief," *Park County News,* January 20, 1928, p. 3.

[53] "To Localize Offices," *Park County News,* September 4, 1930, p. 1.

[54] "Ryan Fruit Co. To Build Soon," *Park County News,* September 25, 1930, p. 1.

[55] "Ryan Fruit Co. Warehouse Will Be Built Here," *Livingston Enterprise,* November 3, 1931, p. 8.

[56] "Holdup Takes Cash; Caught," *Park County News,* January 21, 1932, p. 1.

1937, 1943, and as late as 1946.[57] Although the Goughnour Lumber Company Office may have hosted other businesses after 1946, the earliest documentation appears in the 1954 Polk city directory that shows its use by the R-D Novelty Company, a date roughly confirmed by an early advertisement promoting forced air hand dryers for washrooms.[58] The Polk directory noted their business as vending machines. In 1956, the company found itself in hot water as it and Mitchell Percival of Livingston were fined after entering guilty pleas to "charges of illegal possession of gambling equipment," equipment seized the prior week and ordered to be destroyed by the judge.[59]

The company remained in the Goughnour Lumber Company Office building with the turn of the decade, though they operated under a new name, R & D Music Service.[60] By this time, instead of running a side business of gambling machines, the company found press noting their community goodwill with the donation of "some sixty records" to the Montana Children's Center and the Livingston Roundup Association's Rodeo.[61] The R and D business leased the property from the Miles Land and Investment Company, who retained ownership after they vacated the building and opened business elsewhere in town.

Today, the Goughnour Lumber Company Office building hosts two condo units.

Architectural Significance
The Goughnour Lumber Company Office building represents a two-part Western Commercial style building near the center section of downtown Livingston. Newspapers praised the building as "a credit to the city" with the "office…finished in an elaborate manner and floor… laid with Georgia pine."[62] Two-part commercial blocks represent a familiar form for small to moderate sized commercial buildings in the United States. With their rectangular floorplans and one to four story heights, the buildings can be free-standing or attached. Exterior's horizontal separation permits differentiating differences in interior use. Multi-story buildings commonly housed stores or merchandise in the lower floor with upper stories used for office space, lodging accommodations, or meeting rooms. Although not heavily publicized in the newspapers, small businesses did rent space within the building, which likely occurred on the second floor. Two-part commercial block construction often utilized durable materials that included concrete, limestone, or brick.

The Western Commercial Style proved popular in the late nineteenth and early twentieth century, and is commonly found in most western commercial districts, appearing in large and small towns alike. The style displays a simple storefront presentation and symmetrical upper façade with a variety of ornamental details. Parapets or pediments often hide gently sloped or flat roofs and cornices may be

[57] 1947 Polk Directory, p. 116.

[58] 1954 Polk Directory, p. 106; Advertisement, *Livingston Enterprise* August 5, 1955, p. 6.

[59] "Sheriff Carries Out Order of Judge W. W. Lessley This Afternoon," *Livingston Enterprise,* February 2, 1956, p. 7.

[60] "Advertisement," *Livingston Enterprise,* November 17, 1961, p. 4.

[61] "Rhythm Ramblers Program Pleases Children's Center," *Park County News,* June 1, 1961, p. 10; "Many Thanks," *Park County News,* July 18, 1963, p. 7.

[62] "Local Matters," *Livingston Post,* July 9, 1891, p. 3.

used, the former present on the Goughnour Lumber Company Office building. Brick construction found on the Goughnour Lumber Company Office building was common, though other materials could also be employed.

As observed with the Goughnour Lumber Company Office building, front entries usually occurred in the narrow façade that faces the street. Entries were often recessed, again reflected in the lumber company building, and often flanked by large plate glass windows. The Goughnour Lumber Company Office building displays its recessed entry near a corner immediately north of a series of three window units; the lack of large plate glass windows in lieu of three smaller units undoubtedly reflects the architect's design intended for the building's use to sell lumber, not a variety of goods commonly associated with mercantiles of the day. The transom light above the entry's threshold enhances visibility of the entry door. Upper story elements may include a variety of openings that feature flat, round, or segmental arches, the former and latter being the style that dominates the Goughnour Lumber Company Office building. Symmetry and repetition often highlight the style, notable in the lumber building. I

Summary
The above documentation clarifies and changes the incorrect National Register-listing designation of the Goughnour Lumber Company Office building at 214 South Second Avenue in Livingston, Montana, from "intrusive" to contributing within the Livingston Commercial Historic District; this updates the original documentation from September 5, 1979.[63] The Goughnour Lumber Company Office building was constructed in 1891, within the earliest period of significance noted for the district, and retains excellent integrity. The building, constructed in the early-1890s, stands much as it did when constructed and retains excellent integrity.

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Advertisement, *Livingston Enterprise,* September 25, 1913.

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[63] "Commercial District, Livingston, Montana," listed September 5, 1979, NR #79001409.

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"Ryan Fruit Co. Warehouse Will Be Built Here," *Livingston Enterprise,* November 3, 1931.

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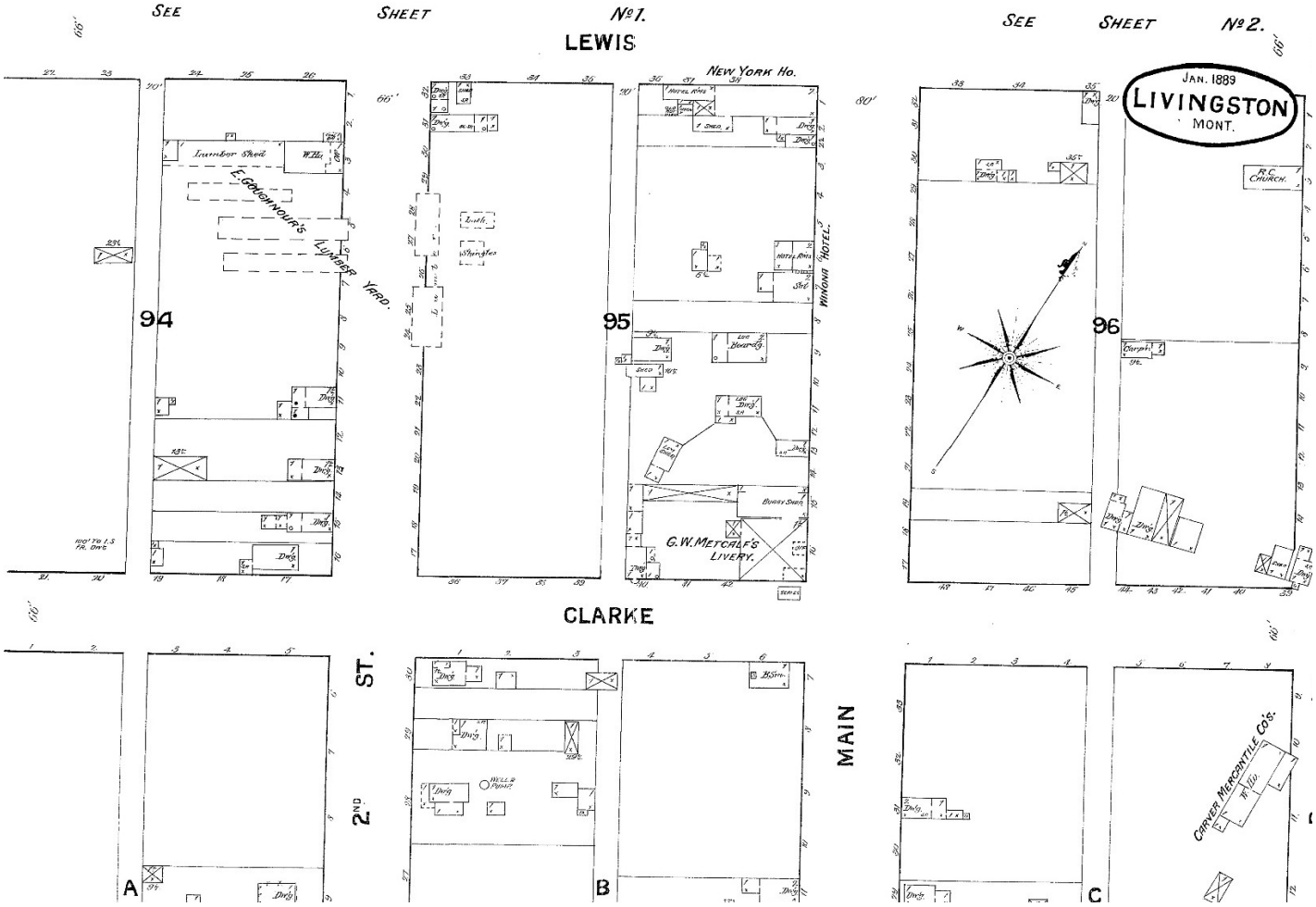
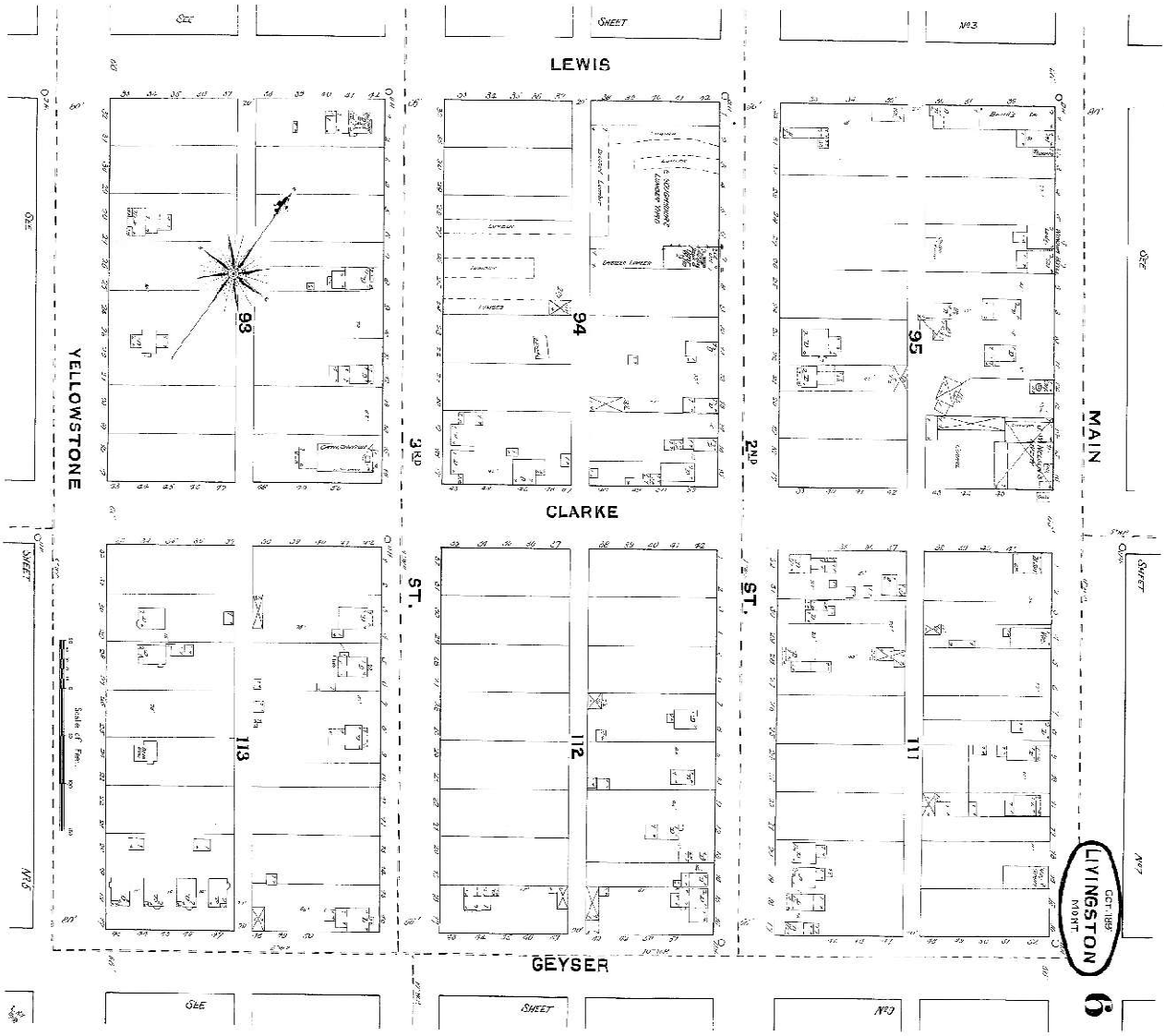
11. Form Prepared By

name/title: John Boughton
organization: Montana State Historic Preservation Office
street & number: P.O. Box 201202
city or town: Helena state: MT zip code: 59620
e-mail jboughton@mt.gov
telephone: 406-444-3647
date: April 2025

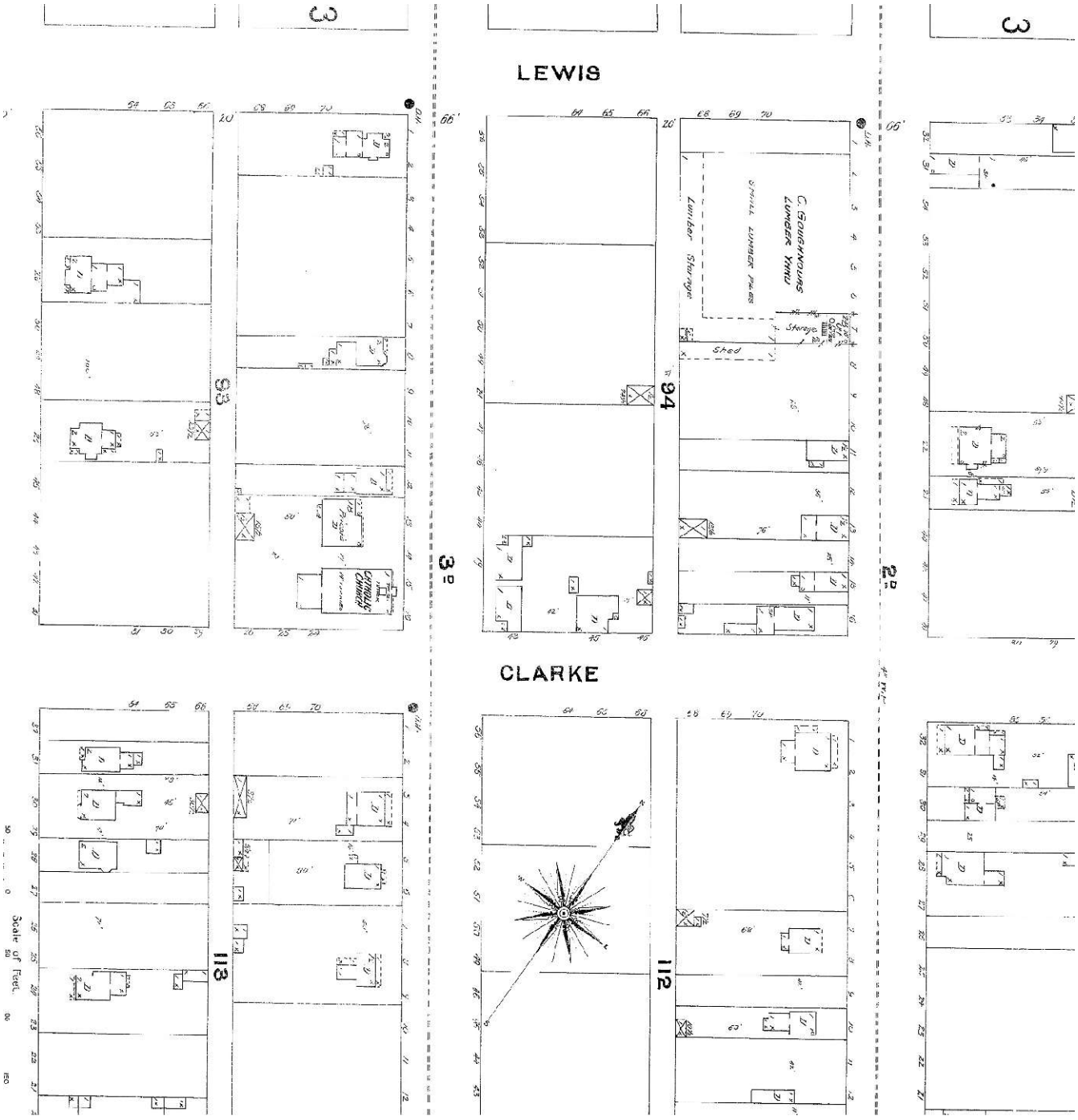
Maps



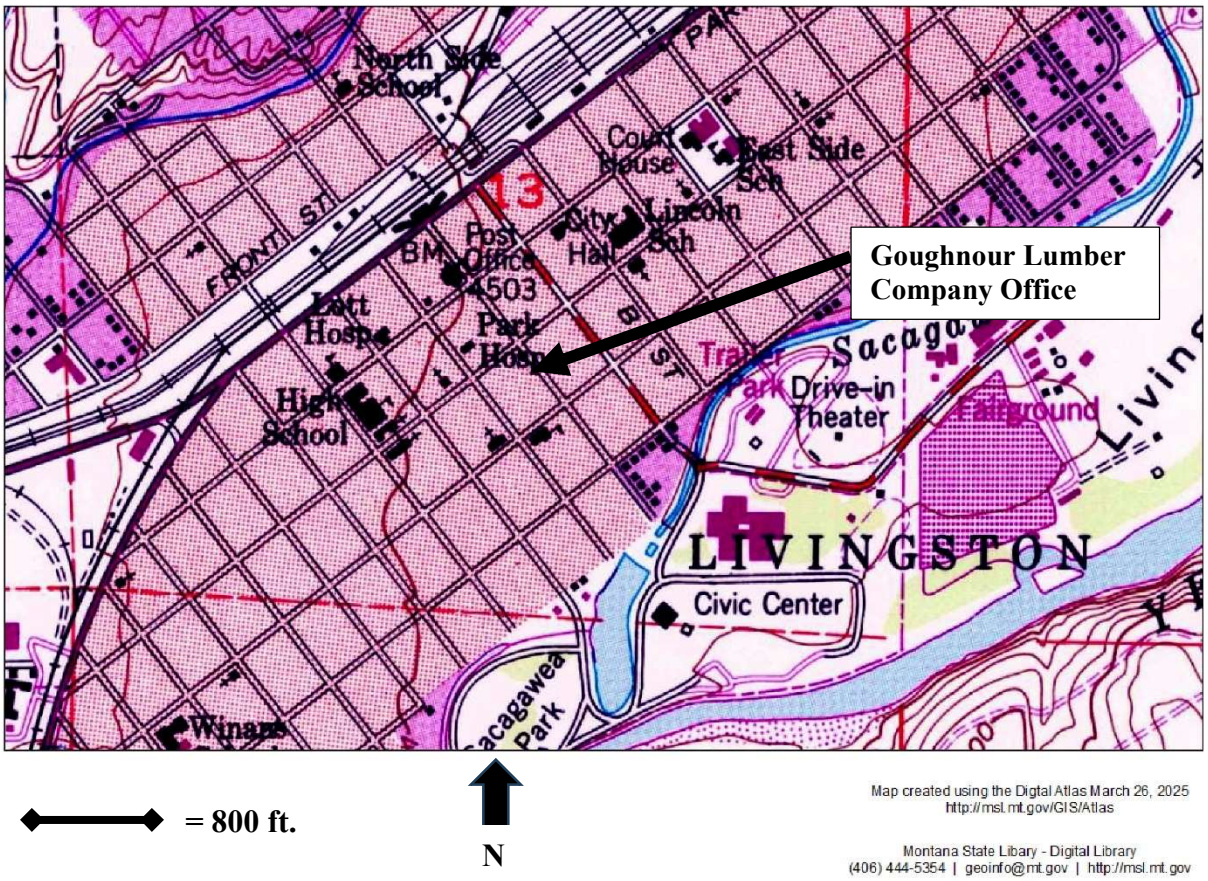
1889 Sanborn map for Livingston, Montana, Sheet 3, showing location of E. Goughnour's Lumber Yard (upper left of image).



1891 Sanborn map for Livingston, Montana, Sheet 6, showing location of E. Goughnour's Lumber Yard (upper left of image)

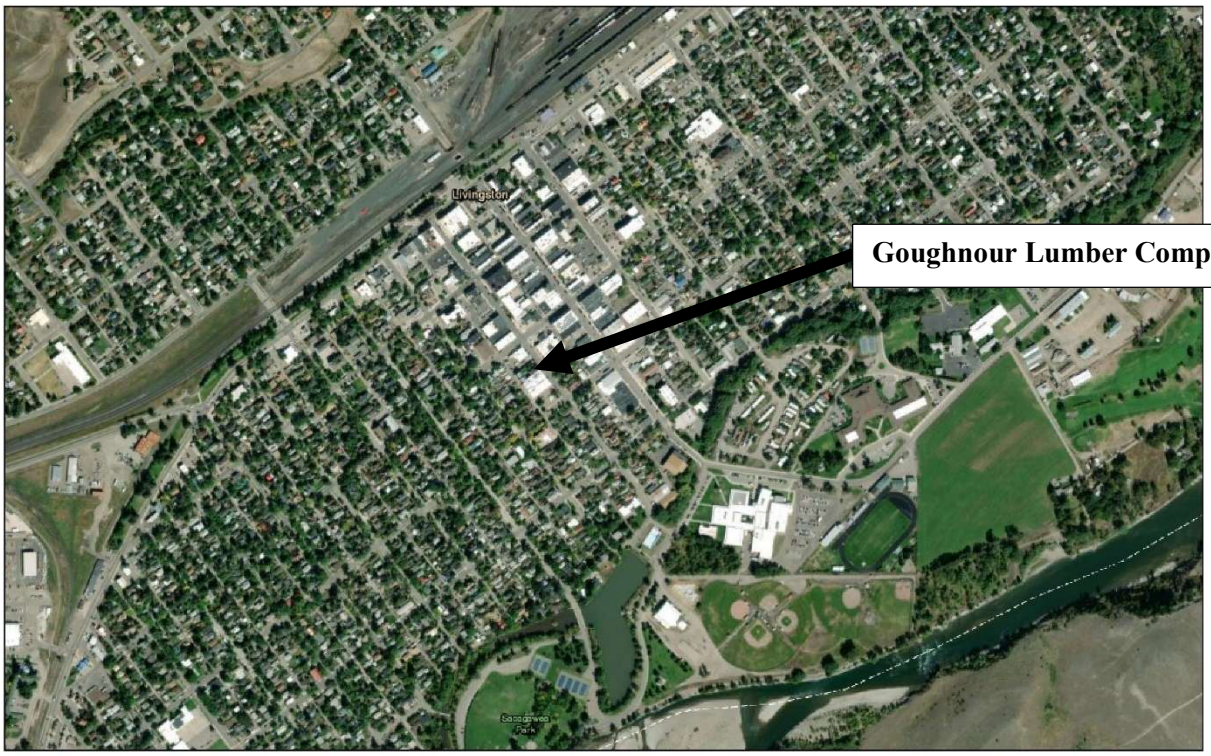


1896 Sanborn map for Livingston, Montana, Sheet 7, showing location of C. Goughnour's Lumber Yard and Office (upper right of image)



Location of Goughnour Lumber Company Office, 214 South Second Street, Livingston, Montana. Found on the Livingston 7.5' Quadrangle map, S. 13, T2S R9E: Latitude: 45.65926, , Longitude: -110.55975.

Location of Goughnour Lumber Company Office, 214 South Second Street, Livingston, Montana. Found on the Livingston 7.5' Quadrangle map, S. 13, T2S R9E: Latitude: 45.65926, , Longitude: -110.55975.



Location of Goughnour Lumber Company Office, 214 South Second Street, Livingston, Montana. Found on the Livingston 7.5' Quadrangle map, S. 13, T2S R9E: Latitude: 45.65926, , Longitude: -110.55975.

National Register Photographs
All photographs taken by Bob Ebinger May 13, 2025

MT_ParkCounty_GoughnourLumberCompanyOfficeAdditionalDoc_0001. East façade, view west.

MT_ParkCounty_GoughnourLumberCompanyOfficeAdditionalDoc_0002. North wall, view south.

MT_ParkCounty_GoughnourLumberCompanyOfficeAdditionalDoc_0003. North wall, view southwest.

MT_ParkCounty_GoughnourLumberCompanyOfficeAdditionalDoc_0004. North and west walls, view east.

MT_ParkCounty_GoughnourLumberCompanyOfficeAdditionalDoc_0005. West wall, view east.

MONTANA
HISTORICAL SOCIETY

August 14, 2025

City Manager Grant Gager
220 E. Park St.
Livingston, MT 59047

RE: Goughnour Lumber Office National Register nomination Additional Documentation

Dear Grant:

We are pleased to notify you that the National Register nomination eligibility correction for the Goughnour Lumber Office building (214 South Second St. in Livingston) will be presented to the State Historic Preservation Review Board at their next meeting, the afternoon of September 18 in Big Timber. The documentation corrects an error in the original Commercial Historic District nomination that erroneously called the property noncontributing.

The meeting will occur at the Carnegie Library in Big Timber (314 McLeod Street). An agenda is posted on the National Register of Historic Places page of the State Historic Preservation Office's website: https://mhs.mt.gov/Shpo/index1 . The nomination is posted at the above meeting link.

Enclosed please find a notification form regarding concurrence or objection to this correction. We invite your written comments, if any, on the significance of this property and submit those comments to this office at least two weeks prior to the board meeting. If you have any questions, please contact me at 444-3647 or via e-mail at jboughton@mt.gov. Any comments you may have will be shared with the board.

Please return the notification form to:

John Boughton, National Register Coordinator
Montana State Historic Preservation Office
225 N. Roberts
P.O. Box 201202
Helena, MT 59620

Sincerely,

John Boughton
National Register Program
MT State Historic Preservation Office
Montana Historical Society
225 North Roberts, P.O. Box 201202
Helena, MT 59620-1202
(406) 444-3647

_____
Date

John Boughton, National Register Coordinator
Montana State Historic Preservation Office
225 North Roberts
P.O. Box 201202
Helena, MT 59620

Dear Mr. Boughton,

This will confirm that I am fully aware of the effects of listing a property in the National Register of Historic Places. I recognize that, under the National Historic Preservation Act, I am entitled to comment on the proposed listings of properties within my jurisdiction.

Following are the proposed listings:

__ **Goughnour Lumber Office** (214 South Second St. in Livingston)_____
(Name of the Historic Property)
□ On behalf of my jurisdiction, I support the proposed listing.
□ On behalf of my jurisdiction, I object to the proposed listing.
□ On behalf of my jurisdiction, I hereby waive my right to comment on the proposed listing.

Sincerely,

_____
Official's Signature

_____
Printed Name and Title Date

_____
Address City State Zip

_____
Date

File Attachments for Item:

E. APPROVAL OF AMENDED AGREEMENT 20144 WITH DISCOVERY VISTA LLC

LivingstonMontana.org | PublicComment@LivingstonMontana.org | 406.823.6000

DATE: January 7, 2025

TO: City Commissioners

FROM: Grant Gager, City Manager

RE: Approval of Amended Agreement 20144 with Discovery Vista LLC

Recommendation and Summary

The City Manager recommends that the City Commission approve Agreement 20144 with Discovery Vista LLC. The Commission may approve the application by adopting the following motion:

"I move to approve Agreement 20144 and authorize the City Manager to sign the agreement."

The reasons for the recommendation are as follows:

- On November 15, 2024, Montana's Sixth Judicial District Court issued an Order and Decision approving Discovery Vista's subdivision application.
- On December 18, 2024, the City and Discovery Vista attended a mediation to resolve the outstanding claims against the City.

Introduction and History

Discovery Vista LLC submitted an application for a major subdivision on March 10, 2022. The City Commission, did not approve the application on during its May 17, 2022, meeting. On November 14, 2022, Discovery Vista LLC filed a Complaint seeking approval of the subdivision. On November 15, 2024, Montana's Sixth Judicial District Court issued an Order and Decision approving Discovery Vista's subdivision application. The City Commission previously approved Agreement 20144 settling the claims and providing a path forward for the subdivision.

Analysis

As the City has worked through the final plat approval process, it has determined that the stormwater provisions of the proposal are inconsistent with City requirements. Through discussion, the City and Discovery Vista LLC have determined that splitting an existing lot to create a stormwater retention/detention lot is the most reasonable solution to the stormwater issue.

Fiscal Impact

There is no fiscal impact arising to the City as a result of this amendment.

Strategic Alignment
Complying with court orders is a recommended practice.

Attachments

- Attachment A: Amended Settlement Agreement 20144

AMENDED SETTLEMENT AGREEMENT AND RELEASE

The Settlement Agreement and Release executed on January 9 and 10, 2025 remains in full force and effect with the exception of Exhibit B Discovery Vista, LLC's 620 letter, which is modified to allow for a stormwater detention/retention lot within the subdivision phase.

RELEASOR:	DISCOVERY VISTA, LLC, and its members, officers, directors, affiliates, subsidiaries, parent companies, attorneys, employers, employees, representatives, agents, successors, assigns, and shareholders.
RELEASEE:	The CITY OF LIVINGSTON, including all RELEASEE'S officers, directors, affiliates, subsidiaries, parent companies, attorneys, employers, employees, representatives, agents, successors, assigns, and shareholders and Commission Members.
DESCRIPTION OF CASUALTY:	Allegations as set forth in the pleadings on file including violation of MCA § 76-3-625(1), participation with conflict of interest, wrongful denial of variance, and no written decision (620 Letter) provided, all arising from Discovery Vista, LLC's preliminary plat application and variance request and the denial of same by the City of Livingston.
SUM OF SETTLEMENT:	Two-Hundred Fifty Thousand Dollars and no/100 ($250,000.00), made payable to the Swimley Law Firm IOLTA Trust Account. Additionally, the City Commission shall approve Discovery Vista, LLC's preliminary plat as attached to this Settlement Agreement and Release which modified Phase 2A by extending Vista Drive north of Meriwether Drive and Block 2 shall be reconfigured from 8 lots to 7 lots, together with the agreed upon conditions and findings set forth in the 620 Letter~~a~~ as further settlement of the District

Court's Order dated Nov. 15, 2024 Doc. No. 49 (attached as **Exhibit A)**.
The City shall issue Discovery Vista, LLC's proposed 620 letter (attached hereto as **Exhibit B**).

CIVIL CAUSE: *Discovery Vista, LLC vs. City of Livingston* filed in the Park County District Court as Cause No. DV-34-2022-0000175-SJ, before the Honorable Judge Brenda Gilbert.

1. Release

Upon RELEASOR'S receipt of the above SUM OF SETTLEMENT and other referenced consideration by RELEASEE, the RELEASOR'S, in consideration for payment of such sum and other referenced consideration, fully and forever release and discharge RELEASEE, RELEASEE'S predecessors-in-interest, successors-in-interest, parents, subsidiaries, affiliates, assigns, representatives and agents, officers, directors, principals, employees, stockholders/shareholders, members, managers, partners, attorneys, commission members and heirs from any and all liability, actions, claims, demands, damages, costs, attorneys' fees, losses, expenses, personal injuries, emotional distress, rights and causes of action of whatsoever kind or nature, whether asserted or unasserted, known or unknown, foreseen or unforeseen, arising out of the above-described casualty.

2. Future Damages

Inasmuch as the injuries, damages, and losses resulting from the events described herein may not be fully known and may be more numerous or more serious than it is now understood or expected, the RELEASOR agrees, as a further consideration of this agreement, that this Settlement Agreement and Release applies to any and all injuries, damages and losses resulting from the loss described herein, even though now unanticipated, unexpected and unknown, as well as any and all injuries, damages and losses which have already developed and which are now known or anticipated.

3. Release of Insurer

Releasor further releases Releasee's insurers and indemnitors, including, but not limited to, Montana Municipal Interlocal Authority, from all obligations under any part of the insurer's/indemnitor's coverage applicable to RELEASOR'S claims and from any and all claims arising out of the investigation, handling, adjusting, defense or settlement of the claim including, without limitation, any claims for breach of contract, in tort, violation of the covenant of good faith and fair dealing, violation of Montana Code Annotated §§ 33-18-201 et seq., and in common-law bad faith.

4. No Admission of Liability

It is understood that the above-mentioned consideration and agreement is accepted as the sole consideration for full satisfaction and accord to compromise a disputed claim, and that neither the RELEASEE'S negotiations for settlement nor the payment of the sum by RELEASEE shall be considered as an admission or evidence of any wrongdoing, fault, omission, or liability.

5. Apportionment of Payment to Lienholders

This payment shall be apportioned by RELEASOR to individuals, insurers, companies, agencies, financial institutions, governmental agencies, political subdivisions, or attorneys who have valid liens or rights of subrogation or reimbursement, and RELEASOR agrees to indemnify RELEASEE from and against all such claims by such parties, including payment of attorneys' fees and costs.

In addition to the indemnification set forth in the previous paragraph, RELEASOR agrees to indemnify and hold harmless RELEASEE from any future claims, whether known or unknown, that may be made by any agency, entity, insurer or person as a result of RELEASOR'S failure to comply with any notice, reporting, conditional payment or set aside requirements. Further, RELEASOR agrees to be fully responsible for any and all penalties, fines or damages to any party involved in this matter. The indemnification agreed to in this paragraph includes all attorneys' fees or other expenses necessarily incurred, including penalties, which may apply.

6. No Additional Claims

RELEASOR represents that no additional claims are contemplated against any other party potentially liable for the losses, damages, and injuries for which this Settlement Agreement and Release is given. In the event any additional claim is made which directly or indirectly results in additional liability exposure to RELEASEE for the losses, injuries, and damages for which this Settlement Agreement and Release is given, RELEASOR covenants and agrees to indemnify and save RELEASEE harmless from all such claims and demands, including reasonable attorneys' fees and all other expenses necessarily incurred.

7. Disclaimer

RELEASOR has carefully read this Settlement Agreement and Release, discussed its legal effect with RELEASOR'S attorneys, understand the contents thereof, and signs the same of RELEASOR'S own free will and accord. This release shall be binding upon RELEASOR'S members, officers, directors, affiliates, subsidiaries, parent companies, attorneys, employers, employees, representatives, agents, successors, assigns, shareholders, heirs, and personal representatives.

8. Taxation

Neither RELEASEE nor RELEASEE'S attorneys make any representations whatsoever regarding the taxability of any portion of the consideration, or any related tax consequences or implications to RELEASOR, made in exchange for this Settlement Agreement and Release. RELEASOR shall bear the sole responsibility for any and all tax consequences related to this Settlement Agreement and Release and shall fully indemnify RELEASEE and RELEASEE'S attorneys for any tax liability that arises thereof, including any fees and costs related to enforcement of this clause. RELEASEE did not participate in RELEASORS' allocation of the SUM OF SETTLEMENT proceeds.

9. Severability

Should any provision of this Settlement Agreement and Release be determined to be unenforceable, all remaining terms and clauses shall remain in force and shall be fully severable.

10. Choice of Law

This Confidential Settlement Agreement and Release shall be construed, interpreted, and governed in accordance with the laws of the State of Montana without regard to Montana's choice of law principles.

11. Full Authority

The persons signing this Settlement Agreement and Release warrant and represent that they possess full authority to bind the persons or entities on whose behalf they are signing to the terms of the agreement.

12. Stipulation for Dismissal with Prejudice and Court Approval

No later than five (5) days from receipt of the settlement proceeds, RELEASOR shall prepare a joint stipulation and proposed order which has the effect of dismissing the RELEASEE from this Civil Case with prejudice, as fully settled on the merits, and specifically stating each party shall bear their own attorneys' fees and costs.

RELEASOR shall be responsible for obtaining all court approvals necessary to effectuate this settlement.

13. Final Agreement

This written Settlement Agreement and Release constitutes the final agreement between the parties and shall supersede any oral agreements to the contrary.

14. Joint Authorship

This Release and Settlement Agreement is the product of negotiations between RELEASOR and RELEASEE. This Settlement Agreement and Release shall be deemed to have been drafted by RELEASOR and RELEASEE jointly, and any ambiguity herein shall not be specially construed for or against either party.

15. Counterparts

This Settlement Agreement and Release may be executed in multiple counterparts or duplicates, each of which shall be deemed an original, but all of which together shall constitute one and the same agreement.

DATED this _____ day of ~~December~~_____, 202~~4~~5.

CAUTION: READ BEFORE SIGNING!
CITY OF LIVINGSTON

By: _____
Its: _____

ATTESTED:

_____
Clerk of the City of Livingston

STATE OF MONTANA)
ss:
County of Park)

On this ____ day of ~~December~~_____, 202~~4~~5, before me, a notary public of the State of Montana, personally appeared _____, the _____ and _____, Clerk of the City of Livingston, known to me to be the persons authorized to execute the foregoing Settlement Agreement and Release on behalf of the City of Livingston, and acknowledged to me that they executed the same as their free act and deed, for the uses and purposes therein mentioned, on behalf of the City.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year in this certificate first above written.

_____
Notary Public for the State of Montana
Printed name: _____

RELEASOR: DISCOVERY VISTA, LLC

_____
RAY STINNETT,
Managing Member of Discovery Vista, LLC

_____
BRAD OSEN, Member of Discovery Vista, LLC

STATE OF MONTANA)
ss:
County of Park)

On this ____ day of ~~December~~ _____, 202~~4~~5, before me, a notary public of the State of Montana, personally appeared **Ray Stinnett**, as Managing Member of Discovery Vista, LLC, known to me to be a person named in the foregoing Settlement Agreement and Release, and acknowledged to me that he executed the same as his free act and deed, for the uses and purposes therein mentioned, on behalf of the LLC.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year in this certificate first above written.

_____
Notary Public for the State of Montana
Printed name: _____

STATE OF MONTANA)
ss:
County of Park)

On this ____ day of ~~December~~ _____ 202~~4~~5, before me, a notary public of the State of Montana, personally appeared **Brad Osen**, as Member of Discovery Vista, LLC, known to me to be a person named in the foregoing Settlement Agreement and Release, and acknowledged to me that he executed the same as his free act and deed, for the uses and purposes therein mentioned, on behalf of the LLC.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year in this certificate first above written.

_____
Notary Public for the State of Montana
Printed Name: _____

APPROVED BY:

Attorneys for Releasors
Discovery Vista, LLC,

By: _____
Susan Swimley
Swimley Law Firm

Attorney~~s~~ for Releasee
City of Livingston

By: _____
~~Ryan C. Addis~~ Jon M. Hesse
~~Hall & Evans~~ Jon M. Hesse, ~~LL~~P.C.
City of Livingston Civil Attorney

[City of Livingston Montana letterhead]

[date]

Discovery Vista, LLC
Ray Stinnett and Brad Osen
1924 West Stevens Street, Ste 203
Bozeman MT 59718

RE: Preliminary Plat: Discovery Vista Subdivision – Phase 2 ("Subdivision")

Dear Sirs:

On November 15, 2024, the Sixth Judicial District Court denied the City of Livingston's Motion for Summary Judgment, granted Discovery Vista's Cross-Motion for Summary Judgment, and ordered that the City of Livingston approve the variance from alley requirements for the Subdivision and approve the Subdivision preliminary plat. After mediation between the parties, the parties have agreed to the following Findings and Conditions in compliance with the Montana Subdivision and Platting Act which adopt findings and impose conditions on the Subdivision.

This preliminary plat approval is based on the preliminary plat application for Discovery Vista Subdivision Phase 2 pursuant to the Montana Subdivision and Platting Act, the City of Livingston Subdivision Regulations (COLSR) (2007), materials submitted by Discovery Vista, agency comment, the staff reports, the City Planning Board recommendation, oral public comment and all other written comment and documents.

Discovery Vista Subdivision Phase 2 is a phased subdivision which shall be phased in accordance with the following:

Phase A – North end – 24 Lots	Date of Completion: 11/30/2029
Phase B – Middle East – 15 Lots	Date of Completion: 11/30/2028
Phase C – Middle West – 19 Lots	Date of Completion: 11/30/2027
Phase D – South end – 27 Lots	Date of Completion: 11/30/2026

All phases of Discovery Vista Subdivision Phase 2 must be submitted for review and approved, conditionally approved, or denied within 20 years of the date of this letter. Section 76-3-617(3)(a), MCA.

VARIANCE FOR ALLEYS

Discovery Vista applied for a Variance from COLSR VI-A-8.b.ii:

> Alleys, designed in accordance with Table 1, shall be provided in all residential subdivisions. Alleys will also be the preferred method for providing utility and garbage pick-up access in non-residential subdivisions.

This section allows the granting of variances by the governing body when, "due to the characteristics of land proposed for subdivision, strict compliance with these standards would result in undue hardship and would not be essential to public welfare." The Discovery Vista Subdivision received preliminary approval in 2006 and included Phase 2 Subdivision currently under consideration. That preliminary plat approval for Discovery Vista Subdivision Phase 1 was split into two parts with final plat of Phase 1A being granted in 2009. Phase 1B received preliminary plat approval in 2017 and final plat approval in 2019. Neither Phase 1A nor Phase 1B included alleys. Phase 1B review was subject to the same subdivision regulations as Phase 2. The City required Discovery Vista to bring Phase 2 through the subdivision approval process. Discovery Vista during the Phase 2 Subdivision application process redesigned the property to match current standards as closely as possible, including changing the streets to current standard width and the overall layout to a more standard block design pursuant to the City's request during the review process.

The City approves the variance from alleys for Discovery Vista Phase 2 Subdivision consistent with the District Court's direction.

The criteria for review of a variance are and the findings regarding the criteria are in italics following each criteria:

a. The granting of the variance will not be detrimental to the public health, safety or general welfare or injurious to other adjoining properties.

   There is no evidence a lack of alleys would be detrimental to public health or safety. Neither the Public Works Department nor the Fire Department determined not having alleys will be a public health hazard. Garbage will be picked up from the streets of the subdivision whether there are alleys or not. Sewer and water connections will be located in the streets of the subdivision whether there are alleys are not. Phase 1A and 1B of the subdivision do not have alleys and the surrounding area, including the Northern Lights Subdivision and the Star Addition area do not have alleys.

b. Due to the physical surroundings, shape or topographical conditions of the property involved, strict compliance with the regulations will impose an undue hardship on the owner. Undue hardship does not include personal or financial hardship, or any hardship that is self-imposed.

   The Subdivision has the unique characteristic of being the final phase in a subdivision that was approved under previous subdivision rules that did not require alleys. Phase 2 was originally intended to be developed in the same manner as the surrounding homes in Phase 1A and Phase 1B of Discovery Vista Subdivision. This constraint along with the fact that the property borders the City limits prevents acquiring additional property for alleys and alleys on the edge of the City limits will not provide any connectivity to existing phases of the Discovery Vista Subdivision or lands outside the City limits. Alley rights-of-way where they abut current residences in the other phases of the Discovery Vista Subdivision would need to be subtracted completely from one property owner in

Phase 2 instead of being split between two property owners as standard in other developments. For the entire length of each property in Phase 2 the 20-foot right-of-way would be subtracted from the property owner in Phase 2. This forfeiture of additional property presents an undue, or unnecessary, hardship to both the developer and eventual homeowner. As Phase 2 is physically constrained between the existing phases of Discovery Vista Subdivision and the City limits, strict compliance with the regulations imposes an undue hardship based on topographical conditions and the previous approval of Discovery Vista Subdivision Phases 1A and 1B with no alleys. This hardship is not a self-imposed hardship or a financial hardship, but rather a hardship based on topography and previous approvals by the City.

c. The variance will not cause a substantial increase in public costs.
No increase in public cost will be incurred by the absence of alleys. The increased density allowed by the absence of alleys will allow more residences to hook to City infrastructure and provide more revenue to the City.

d. The variance will not place the subdivision in nonconformance with any adopted zoning regulations.

Alleys are not required by City zoning regulations.

The City approves the preliminary plat for Discovery Vista Phase 2 consistent with the District Court's direction.

FINDINGS

Effect on Agriculture: Agriculture is defined as the production of food, feed, and fiber commodities, livestock and poultry, bees, fruits and vegetables, and sod, ornamental, nursery, and horticultural crops that are raised, grown, or produced for commercial purposes. *COLSR III-B-6.b.iv.A. and MSPA Section 76-3-608(3)(a).*

1) Would the subdivision remove agricultural or timberlands with significant existing or potential production capacity?
2) Would the subdivision remove from production agricultural lands that are critical to the areas of agricultural operations?
3) Would the subdivision create significant conflict with nearby agricultural operations (e.g. creating problems for moving livestock, operating farm machinery, maintaining water supplies, controlling weeds, applying pesticides or would the subdivision generate nuisance complaints due to nearby agricultural operations)?
4) How would the subdivision affect the value of nearby agricultural lands?

FINDING: The Subdivision currently has no agricultural commercial purpose. The Subdivision does not currently have any agricultural or timberlands with significant production capacity. The Subdivision will not be removing any production of agricultural lands that are critical to the area's agricultural operations and will not create a significant conflict with nearby agricultural operations. There are no intensive agricultural activities

in the immediate area. (Subdivision Application Environmental Assessment, page 3.)

Effect on Agricultural Water User Facilities Agricultural water user facilities are defined as any part of an irrigation system used to produce an agricultural product on property used for agricultural purposes. *COLSR III-B-6.b.iv.B and Section 76-3-608(3)(a).*

1) Would the subdivision create a significant conflict with agricultural water user facilities (e.g. creating problems for operating and maintaining irrigation systems or creating nuisance complaints due to safety concerns, noise, etc.)?

FINDING: There is seasonal irrigation north of the Subdivision. (Subdivision Environmental Assessment, page 5 and Department of Natural Resources and Conservation E-mail, February 8, 2023). The existing ditch facilities affected by this project are adequately protected with maintenance provisions (Declaration of Covenants, Conditions & Restrictions for Discovery Vista LLC, Recorded 12/4/2007, Document 346406, Roll 263, pages 11-12). See Condition 14.

Effect on Local Services Local services are defined as all services provided by any local government unit having jurisdiction over the subdivision as well as those commonly provided by private entities to similar properties in the vicinity. *COLSR III-B-6.b.iv.C and Section 76-3-608(3)(a).*

1) What additional or expanded public services and facilities would be demanded to serve this subdivision?
   a) What additional costs would result for services such as streets, law enforcement, parks and recreation, fire protection, water, sewer and solid waste, schools and busing (including additional personnel, equipment, construction and maintenance costs)?
   b) Who would bear these costs?
   c) Can the service providers meet the additional costs given legal and other constraints?
2) Would the subdivision allow existing services, through expanded use, to operate more efficiently or make the installation or improvement of services feasible?
3) What are the present tax revenues received from the unsubdivided land by the County, City and Schools?
4) What would be the approximate revenues received by each above taxing authority when the subdivision is improved and built upon?
5) Would new taxes generated from the subdivision cover additional public costs?
6) Would any special improvement districts be created which would obligate the City fiscally or administratively?

FINDINGS:

A. While there will be additional or expanded public services (water, sewer, garbage collection, police, fire, EMS) to service the Subdivision, impact fees will be charged at the time building permits are issued and the City's impact fees are design to off-set the increase in costs. (Staff Report). See Conditions 2 and 9.

B. *Discovery Vista Subdivision was designed with parkland set-asides for all phases of the Subdivision, including a 20.35 acres park dedicated to the City south of Fleshman Creek Road and west of Mountain View Cemetery. A subdivision park exists south of the Pryor Lane cul-de-sac in Phase 1A. An eight-foot wide gravel trail will be installed and connected to the existing subdivision park. (Subdivision Preliminary Plat Narrative, page 1). See Condition 14.*
C. *The extension of a water main to the west boundary of the Subdivision moves the City closer to a looped system that will eventually tie into the water system for the property at the West I-90 Interchange. (Subdivision Preliminary Plat Narrative, page 2). See Conditions 3 and 6.*
D. *Present tax revenues received for the unsubdivided lands by the City, County and school districts is $6,617.50 and approximate revenues are estimated at $200,000 divided among the three entities. (Staff Report).*
E. *While new real property taxes generated from the subdivision may not cover additional public costs, impacts fees will pay for the additional public costs. (City of Livingston Impact Fee Schedule, 2021). See Conditions 2,7and 9.*
F. *Public comment identified traffic as a concern as the Subdivision is located on the North side of the railroad tracks. There is no emergency services issues regarding accessing and return from the North side of the railroad tracks due to City procedures to ensure access for fire and ambulance in cooperation with the railroad. All intersections on the North side of the railroad tracks are working at acceptable levels of services by accepted traffic standards. If services levels begin to fail, there are options to maintain acceptable service without the addition of another railroad crossing. The Subdivision Traffic Impact Study includes a 10-year traffic projection that utilizes a 2% rate of growth. This may cause the intersection at 5th and Front Street to drop below an acceptable level of service for the westbound traffic but there are mitigations that can be addressed by the City when and if this shortfall occurs. (Addendum to Staff Report and Subdivision Impact Traffic Study, March 2022). See Condition 1.*

<u>Effect on the Natural Environment</u> The natural environment is defined as the physical conditions that exist within a given area. *COLSR III-B-6.b.iv.D and Section 76-3-608(3)(a).*

1) How would the subdivision affect surface and groundwater, soils, slopes, vegetation, historical or archaeological features, and visual features within the subdivision or on adjacent lands?
a) Would any stream banks be altered, streams rechanneled or any surface water contaminated from run-off carrying sedimentation or other pollutants?
b) Would groundwater supplies likely be contaminated or depleted as a result of the subdivision?
c) Would construction of streets or building sites result in excessive cuts and fills on steep slopes or cause erosion on unstable soils?
d) Would significant vegetation be removed causing soil erosion or bank instability?
e) Would significant historical or archaeological features be damaged or destroyed by the subdivision?
f) Would the subdivision be subject to natural hazards such as flooding, rock, snow or land

slides, high winds, severe wildfires or difficulties such as shallow bedrock, high water table, unstable or expansive soils, or excessive slopes?

FINDINGS:

A. *There will be no impacts to surface and groundwater or soils. Groundwater under the Subdivision is fairly deep. (Subdivision Environmental Assessment, page 5). The Subdivision is designed to contain stormwater drainage in conjunction with other phases of Discovery Vista Subdivision as a stormwater basin was constructed in Phase 1 is intended to provide for all three phases and will meet all applicable Montana Department of Environmental Quality standards. (Subdivision Stormwater Design Report, March 2022). Should subdivider seek to divide an existing residential lot and create~~d~~ a utility tract for stormwater retention/detention, the impacts to stormwater are not modified and remain acceptable. In the event that the subdivider elects to pursue this option, the City is not setting a precedent by allowing such in this subdivision, or in any other subdivision application or project, or the modification of a Section 620 Letter, and by virtue of the City allowing this modification in this subdivision and the Section 620 Letter, such cannot be interpreted or construed that such will be allowed in any other subdivision, or in any other subdivision application or project, or the modification of a Section 620 Letter. See Condition 5.*

B. *Any impacts to vegetation will be mitigated by proper construction techniques and a noxious weed plan shall be put in place. (Subdivision Environmental Assessment, page 5). See Condition 10.*

C. *There are no know historic or archeological resources on the Subdivision. (State Historic Preservation Office Letter, January 11, 2022).*

D. *There are no known hazards identified for the Subdivision.(Subdivision Environmental Assessment, page 5). Public comment identified wildfire as a potential hazard. There are numerous emergency routes from the Subidivison on Fleshman Creek Road, Meredith Ranch Road (including the City owned extension of Meredith Ranch Road), Prairie Drive, 5th Street, B Street, Bennett Street, and Old Clyde Park Road. (Addendum to Staff Report).*

Effect on Wildlife and Wildlife Habitat Wildlife and wildlife habitat are defined as living things that are neither human nor domesticated and the physical surroundings required for their existence. *COLSR III-B-6.b.iv.E and Section 76-3-608(3)(a).*

1) How would the subdivision affect critical wildlife areas such as big game wintering range, migration routes, nesting areas, wetlands or other important habitat?
2) How would pets or human activity affect wildlife?

FINDINGS:

A. *The area for the Subdivision is used regularly by big game including pronghorn, mule deer, and whitetail deer. A variety of nongame special uses the area. Black bears and mountain lions use the area occasionally. (Montana Fish, Wildlife and Parks Letter, February 3, 2023).*

B. No critical wildlife habitat was identified on the property. (Subdivision Environmental Assessment, page 6).
C. Human, pet and wildlife interaction will be minimal at this location if pets are controlled and not allowed to roam. (Montana Fish, Wildlife and Parks Letter, February 3, 2023). See Condition 14.
D. Due to wildlife using the area, bear-resistant garbage facilities should be required and the Subdivision Covenants should address other bear attractants such as pet food, gardens, fruit trees, birdseed (discouraged from April 1st through November), barbecue grills and compost piles (unless limited to grass, leaves and garden clippings). Landowners should consider landscaping with native vegetation to minimize wildlife grazing damage. (Montana Fish, Wildlife and Parks Letter, February 3, 2023). Public comment was received from the Greater Yellowstone Coalition and the Park County Environmental Council requesting the imposition of a condition for bear-resistant garbage cans for the Subdivision. See Conditions 12 and 13.

Effect on Public Health and Safety Public health and safety is defined as a condition of well-being wherein risk of injury to the community at large is minimized. *COLSR III-B-6.b.iv.F. and Section 76-3-608(3)(a).*

1) Would the subdivision be subject to hazardous conditions due to high voltage lines, airports, highways, railroads, high-pressure gas lines, or adjacent industrial uses?
2) What existing uses may be subject to complaints from residents of the subdivision?
3) What public health or safety hazards, such as dangerous traffic or fire conditions, would be created by the subdivision?

FINDINGS:
A. No hazardous conditions are located on the Subdivision. (Subdivision Environmental Assessment, page 6). Night sky friendly lighting will be required. See Condition 11.
B. There are no existing uses of the property that would be subject to complaints from future residents of the subdivision. There could be complaints during construction due to increased traffic. (Subdivision Environmental Assessment, page 6).
C. No public health or safety hazards have been identified on the property. Public comment identified wildfire as a potential hazard. There are numerous emergency routes from the Subidivison on Fleshman Creek Road, Meredith Ranch Road (including the City owned extension of Meredith Ranch Road), Prairie Drive, 5th Street, B Street, Bennett Street, and Old Clyde Park Road. (Addendum to Staff Report).
D. Public comment identified traffic as a concern as the Subdivision is located on the North side of the railroad tracks. There is no emergency services issues regarding accessing and return from the North side of the railroad tracks due to City procedures to ensure access for fire and ambulance in cooperation with the railroad. All intersections on the North side of the railroad tracks are working at acceptable levels of services by accepted traffic standards. If services levels begin to fail, there

are options to maintain acceptable service without the addition of another railroad crossing. The Subdivision Traffic Impact Study, March 2022, includes a 10-year traffic projection that utilizes a 2% rate of growth. This may cause the intersection at 5th and Front Street to drop below an acceptable level of service for the westbound traffic but there are mitigations that can be addressed by the City when and if this shortfall occurs. (Addendum to Staff Report and Subdivision Impact Traffic Study, March 2022). See Conditions 1 and 8.

CONDITIONS

1. A waiver of special improvement district protest must be signed by the Subdivider that guarantees the participation of all lots in the subdivision in a future improvement district for public improvements for the west-end underpass and front street extension project. The waiver of protest is valid for a timer period of no longer than 20 years after final subdivision plat approval is filed with the Park County Clerk and Recorder. *Section 76-3-608(7), MCA. Public Health and Safety, Finding D.*

2. All infrastructure will comply with the City of Livingston Public Works Design Standards and Specification Policy, August 2022, including easements for location and installation of planned utilities. *COLSR Section V and Design Standards and Specification Policy, August 2022.*

3. All sewer, water and storm water infrastructure will be installed with each phase of this development. Water mains shall be appropriately looped. ~~Stormwater was already constructed in Phase 1~~. *COLSR Section VI.A.9, 10, 11, 13. Section 76-3-617, MCA.*

4. Lot 14B of Block 6 will become an extension of Vista Drive. *COLSR Section VI.A.8.*

5. Storm water design will meet all applicable DEQ standards. *COLSR VI.A.8.b.iii.*

6. A Montana licensed engineer, or his supervised representative, will be required to be on site during utility construction. *COLSR VI.A.5 and VI.A.9.e.*

7. Any utility reimbursement plan must be submitted to, and approved by, the City prior to the beginning of construction. *COLSR VI.A.13.*

8. The subdivider will be responsible for all required street signing to include traffic control signs as well as street name signs. All signs will be built and installed according to City specifications. Painting of curbs at fire hydrants will also be required. *COLSR VI.8.b.viii.*

9. Any improvement agreement(s) for deferred infrastructure construction need to be reviewed and approved by the City prior to the beginning of construction. *COLSR III-C-5.*

10. The subdivider will, in consultation with the County Extension Office, prepare a noxious weed plan to mitigate the spread of weeds to adjacent properties. Proof of compliance with this plan will be required in order to gain final plat approval. *COLSR VI.A.2.*

11. All outdoor lighting in this development will be required to be night-sky friendly. *COLSR VI.A.8.b.vi.*

12. The Subdivision Covenants shall require bear resistant garbage cans when available from the City of Livingston and shall address other bear attractants such as pet food, gardens, fruit trees, birdseed (discouraged from April 1st through November), barbecue grills and compost piles (unless limited to grass, leaves and garden clippings). *COLSR VI.A.12.*

13. The Subdivision Covenants shall advise all landowners to consider landscaping with native vegetation to minimize wildlife grazing damage. *COLSR VI.8.b.v.*

14. The Subdivision will comply with and install all design features as set forth in its preliminary plat application and shall not delete applicable provisions of its filed Covenants, Conditions and Restrictions related to the impacts of the Subdivision identified in the Findings set forth above. *COLSR VI.*

15. The subdivider may change the schedule for review of each phase of the development upon approval of the governing body after a public hearing if the change does not negate conditions of approval or otherwise adversely affect public health, safety, and welfare. *(Section 76-3-617(1), MCA.)*

16. For any phase of the approved subdivision submitted for final plat approval more than 5 years after the date of preliminary approval of the subdivision, the subdivider shall provide written notice to the governing body not more than 1 year or less than 90 calendar days in advance of submitting the final plat application. The governing body shall hold a public hearing pursuant to 76-3-605(3) within 30 working days after receipt of the written notice from the subdivider to determine whether changed circumstances justify amending any conditions of approval or imposing additional conditions of approval. The governing body may amend or impose additional conditions of approval only if it determines, based on a review of the primary criteria, that the existing conditions of approval are inadequate to mitigate the potentially significant adverse impacts identified during the original review based on changed circumstances. (*Section 76-3-617(4), MCA.)*

APPEAL

This decision to approve the preliminary plat approved for Discovery Vista Subdivision Phase 2 pursuant with the Park County District Court's Order dated November 15, 2024, may be appealed pursuant to Section 76-3-625, MCA, (2021):

(1) A person who has filed with the governing body an application for a subdivision under this chapter may bring an action in district court to sue the governing body to recover actual damages caused by a final action, decision, or order of the governing body or a regulation adopted pursuant to this chapter within 180 days of the final action, decision, order, or adoption of a regulation. The governing body's decision, based on the record as a whole, must be sustained unless the decision being challenged is arbitrary, capricious, or unlawful.

(2) (a) A party identified in subsection (3) who is aggrieved by a decision of the governing body to approve, conditionally approve, or deny an application and preliminary plat for a proposed subdivision may, within 30 days from the date of the written decision, appeal to the district court in the county in which the property involved is located to challenge the approval, imposition of conditions, or denial of the preliminary plat.

(b) A party identified in subsection (3) who is aggrieved by any other final decision of the governing body regarding a subdivision may, within 30 days from the date of the written decision, appeal to the district court in the county in which the property involved is located to challenge the decision.

(c) A petition allowed in subsections (2)(a) and (2)(b) must specify the grounds upon which the appeal is made. The governing body's decision, based on the record as a whole, must be sustained unless the decision being challenged is arbitrary, capricious, or unlawful.

(3) The following parties may appeal under the provisions of subsection (2):

(a) the subdivider;

(b) a landowner with a property boundary contiguous to the proposed subdivision or a private landowner with property within the county or municipality where the subdivision is proposed if that landowner can show a likelihood of material injury to the landowner's property or its value;

(c) the county commissioners of the county where the subdivision is proposed; and

(d) (i) a first-class municipality, as described in 7-1-4111, if a subdivision is proposed within 3 miles of its limits;

(ii) a second-class municipality, as described in 7-1-4111, if a subdivision is proposed within 2 miles of its limits; and

(iii) a third-class municipality or a town, as described in 7-1-4111, if a subdivision is proposed within 1 mile of its limits.

(4) For the purposes of this section, "aggrieved" means a person who can demonstrate a specific personal and legal interest, as distinguished from a general interest, who has been or is likely to be specially and injuriously affected by the decision.

Sincerely,

Attachment: Discovery Vista Phase 2 Preliminary Plat

File Attachments for Item:

F. CONSIDERATION OF OPEN CONTAINER SPECIAL EXCEPTION REQUEST FOR DONKEY DAYS EVENT ON SEPTEMBER 28, 2025

LivingstonMontana.org | PublicComment@LivingstonMontana.org | 406.823.6000

DATE:	September 16, 2025
TO:	Chair Schwarz and City Commissioners
FROM:	Grant Gager, City Manager
RE:	Staff Report for Consideration of Request for a Special Event Exception to City of Livingston Alcohol Consumption Restrictions

Recommendation and Summary
Staff is recommending the Commission approve an exception to the enforcement of restrictions on consumption of beer or liquor during Donkey Days on September 26, 2025, by adopting the following motion:

"I move to approve the request to create an exception to the enforcement of the restrictions on carrying or consuming alcohol during Donkey Days on September 26, 2025."

The reasons for the recommendation are as follows:
- The Livingston Municipal Code allows the City Commission to provide exceptions for special events to allow public consumption of beer or liquor.
- The City has received a request from a special event operator for such an exception

Introduction and History
The applicant has submitted a Special Event Permit for an event on Lewis Street at Kithship and Aspen Lane. The event is scheduled to include both music and food in addition to alcoholic beverages. The event organizer will provide security and ensure identification of all attendees.

Analysis
City departments have reviewed the request and are comfortable with the event as planned pending Commission approval of this waiver.

Fiscal Impact
Application fees will offset costs associated with the event.

Strategic Alignment

Growth Policy strategy 9.2.2.2. encourages the City to “Continue to provide public space and venues for community events and festivals.”

Attachments

- Attachment A: 2025 Event Application

City of Livingston Special Event Permit Application

The City of Livingston Special Event Permit Application applies to City of Livingston Streets, Facilities, Parks and Trails; this does NOT include private property. Completed applications must be submitted **at least 6 weeks** prior to the event date. (8 weeks if requesting fee waivers, see Section 7 for eligibility)

Applications **are not considered complete** until the following items have been submitted:

- Signed Application
- Non-refundable application fee: $50 resident / $80 non-resident
- Refundable Deposit if utilizing any COL equipment or Facility
- Proof of Liability Insurance
  - $1,500,000 and $750,000 per occurrence
  - Fire Casualty and Property loss insurance on the premises in the minimum amount of $500,000.00 with a loss payable provisions to the City.
- Proposed maps/layout of event
  - If run/walk, include locations of water stations/volunteers/traffic control devices

Application Information (should also serve as the event day contact)

Renter/Contact Name: Becca Skinner

Organization: Kithship

Email Address: hellokithship@gmail.com Tax ID Number: 81-5362911

Address: 112 E. Lewis Street City, State, Zip: Livingston, MT 59047

Mobile Phone: 303-907-7176 Work Phone:

Group insuring event: ~~State~~ Kithship

* will email current insurance certificate

Insurance Company: ~~State Farm Insurance~~ Policy Number: ~~96-BQ-F149-0~~

Insurance Agent: ~~Daniel Corban~~ Insurance Phone: 406·624·0099

Insurance Address: ~~135 Mill Town Loop Unit A Bozeman, MT 59718~~

Event Information

Name of Event: Donkey Days Date of Event: September 26th, 2025

Event Type: block closure open to the public Approx # of Attendees: ~1000 (walk in traffic)

Proposed Route(s) and/or Map(s) Attached: Time(s) of event: 4-8PM

Set up Begins:	Event Begins:	Event ends:	Cleanup Complete:
2PM	4PM	8PM	11PM

Please provide a brief description of your event: *(use additional sheet if you need more space)*

Kithship and Aspen Lane (business located on Lewis Street) are throwing a public event called "Donkey Days" wherein they request that the block is shut down to provide walking space between the businesses and amongst the listed vendors:

-Single preformer for music (under a tent)
-Follow Yer Nose BBQ food truck
-Tumbleweed Montana (mobile bar)
-Big Sky Burros (donkey serving non-alcoholic drinks)

Please identify any safety / security issues:
Kithship and Aspen Lane are requesting the closure of the block at Main and Lewis, moving east bound until the alley to provide safe distance for walking and vendors during the Livingston Art Walk and Donkey Days.

Do you plan for your event to:

Have food: Yes ☑ If yes, have you contacted the Park County Sanitarian at 406-222-4145 and followed all requirements? Follow Yer Nose BBQ food truck will be contacting and maintaining all permits

Accumulate waste: Yes ☑ If yes, please notate your disposal plan (We recommend 1 – 96 Gallon can per 200 people):

The City of Livingston will supply additional trash cans for your event, if utilizing, please notate quantity:

4 Mon – Fri, 7am – 4pm: $20 for first can; $10 per additional can

_____ Mon – Fri, 4pm-10pm; Saturday & Sunday: $30 for first can; $15 per additional can

Need restrooms: No ☑ If yes, how do you plan to accommodate? (We recommend one toilet per 250 people)

Need electricity: No ☑ If yes, what for and what source do you plan to use?
all vendors will provide their own generators if needed

Utilize parking: Yes ☑ If yes, how do you plan to accommodate?
Vendors will park in closed street parking

Utilize City park/facility/space: NO If yes, please name the space and provide record of reservation. Contact the Recreation Department at 406-223-2233 to reserve.

Use a stage, bleachers, tents or other temporary structures: Yes ☑
If yes, please attach a drawing of proposed location(s) and sizes. $30 irrigation locate fee applies when in parks.

***Utilize Cones, A-frames or Barricades from the City of Livingston:** Yes ☑
Candlestick Cones: _____ @ $3 each A-Frames: _____ @ $7 each Barricades: 2 @ $12 each
Construction Fencing: _____ @ $15 / 100 feet
**When rented individually these items do require a $100 refundable deposit upon return of items*

Street Closure: Yes ☑ If yes, please notate number of streets* in accurate space provided as well as on the route map

1 Mon – Fri, 7am – 4pm: $110 each (up to 2 streets) $50 per street over 2

1 Mon – Fri, 4pm-10pm; Saturday & Sunday: $200 each (up to 2 streets) $100 per street over 2

**A street is considered one city block. Permit Holder understands responsiblity to notify ALL residents / businesses affected by closure*

Alcohol to be served at event: Yes ☑ If yes, describe the location of sales, liquor license to be used and measures to insure proper ID for purchases and persons supervising the operation:
Alcohol sales will be managed under Tumbleweed Montana (a mobile bar unit) where all serves have complied with regulatory laws regarding serving and identification. Information attached.

☑ Liquor Liability Attached as described in Section 7

☑ Proof of Alcohol Server Training as described in Section 7

Requests for special animal policy considerations as described in Section 7: Yes ☑ If yes, please describe:

Big Sky Burros will bring a donkey serving non-alcoholic drinks from 4-6pm. Info attached.

Will the event require camping or temporary housing: No ☐ If yes, have you the Park County Sanitarian at 406-222-4145 to set up a temporary housing plan and answer the following questions:

_____ Date(s) Camping will occur _____ Location of camp site(s) _____ Number of campers

_____ Number of tents _____ Location of tent(s) _____ Fire Ring(s) needed? *(must be authorized by Fire Dept)*

Please describe plan for water/sanitation facilities and parking:

Agreement to the City of Livingston Special Event conditions. Application hereby agrees to comply with the City of Livingston Special Event Conditions (Policy & Fee Schedule – Section 7). Upon signing this application, the applicant agrees not to violate any state or city codes in the presentation of the requested special event.

In consideration for permission to conduct its activity as requested, applicant agrees to indemnify, defend and hold harmless the City of Livingston, its officers, agents, employees and volunteers from damage to property and for injury to or death of any person from all liability claims, actions or judgements which may arise from the activity. Applicants also agree to obtain valid save or hold harmless agreements from all participants in its activity, protecting the City of Livingston from all losses arising out of its activity, including damages of any kind or nature.

I, Rebecca Skinner hereby agree to the terms of insurance as set forth by the City of Livingston for my special event, and realize I must attach proof of insurance with this document in order for my application to be considered complete.

8/8/25

Responsible Party (must have authority to sign) **Date**

City of Livingston City Manager **Date**

KIRSBRO-01 MMORRISON

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/D 8/7/20 113

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Milee Morrison
Key Insurance of Livingston 124 W Lewis St Livingston, MT 59047	PHONE (A/C, No, Ext): FAX (A/C, No):
	E-MAIL ADDRESS: milee@montanainsurance.net

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Kirsten And Ethan Brown Dba The Tumbleweed Montana 515 W Callender ST Livingston, MT 59047	INSURER A : Nautilus Insurance Co	
	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			NN1861491	6/27/2025	6/27/2026	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 5,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	$ 1,000,000
	X POLICY PRO-JECT LOC						GENERAL AGGREGATE	$ 2,000,000
	OTHER:						PRODUCTS - COMP/OP AGG	$ 2,000,000
								$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N (Mandatory in NH) N/A						E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Kith Ship
112 E Lewis ST
Livingston, MT 59047

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Milee Morrison

ACORD 25 (2016/03)

KIRSBRO-01 MMORRISON

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 8/7/20 114

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER	CONTACT NAME: Milee Morrison
Key Insurance of Livingston 124 W Lewis St Livingston, MT 59047	PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: milee@montanainsurance.net
	INSURER(S) AFFORDING COVERAGE — NAIC #
	INSURER A : Nautilus Insurance Co
INSURED	INSURER B :
Kirsten And Ethan Brown Dba The Tumbleweed Montana 515 W Callender ST Livingston, MT 59047	INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

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INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
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	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	X POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						PER STATUTE OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

For Information Purpose Only

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Milee Morrison

COMMON POLICY DECLARATIONS

CPS7984638
Renewal of Number

Underwritten by: Scottsdale Insurance Company
Home Office:
One Nationwide Plaza • Columbus, Ohio 43215
Administrative Office:
18700 North Hayden Road • Scottsdale, Arizona 85255
1-800-423-7675 • A Stock Company

Policy Number
CPS8190209

ITEM 1. NAMED INSURED AND MAILING ADDRESS

BIG SKY BURRO LLC

4040 HEEB RD
MANHATTAN MT 59741

AGENT NAME AND ADDRESS

CRC BINDING (BOTHELL, WA) 22232 17TH AVE SE
STE 200 BOTHELL WA 98021-7411

Agent No.: 46008 Program No.: NONE

ITEM 2. POLICY PERIOD From: 04/27/2025 To: 04/27/2026 Term: 365

12:01 A.M., Standard Time at the mailing address shown in ITEM 1.

Business Description: BEER BURRO

In return for the payment of the premium, and subject to all the terms of this policy, we agree with you to provide the insurance as stated in this policy. This policy consists of the following coverage parts for which a premium is indicated. Where no premium is shown, there is no coverage. This premium may be subject to adjustment.

Coverage Part(s)	Premium Summary
Commercial General Liability Coverage Part	$ $500 MP
Commercial Property Coverage Part	$ NOT COVERED
Commercial Crime And Fidelity Coverage Part	$ NOT COVERED
Commercial Inland Marine Coverage Part	$ NOT COVERED
Commercial Auto Coverage Part	$ NOT COVERED
Professional Liability Coverage Part	$ NOT COVERED
NOTICE: This coverage is issued by an unauthorized insurer that is an eligible surplus lines insurer. If this insurer becomes insolvent, there is no coverage by the Montana Insurance Guaranty Association under the Montana Insurance Guaranty Association Act.	$
	$
	$
	$
Total Policy Premium	$
TOTAL TAXES AND FEES	$
	$
Policy Total	$

Form(s) and Endorsement(s) made a part of this policy at time of issue:

See Schedule of Forms and Endorsements

BOTHELL, WA MW/RK
COGSWELL INSURANCE AGENCY, LLC
P. O. BOX 2009
GREAT FALLS, MT 59403

THIS COMMON POLICY DECLARATION AND THE SUPPLEMENTAL DECLARATION(S), TOGETHER WITH THE COMMON POLICY CONDITIONS, COVERAGE PART(S), COVERAGE FORM(S) AND FORM(S) AND ENDORSEMENT(S), IF ANY, COMPLETE THE ABOVE-NUMBERED POLICY.

Nationwide

SCOTTSDALE INSURANCE COMPANY®

COMMERCIAL GENERAL LIABILITY COVERAGE PART
SUPPLEMENTAL DECLARATIONS

Policy No. CPS8190209 Effective Date 04/27/2025
12:01 A.M., Standard Time

Named Insured BIG SKY BURRO LLC Agent No. 46008

Item 1. Limits of Insurance

Coverage	Limit of Liability
Aggregate Limits of Liability	$ 2,000,000 Products/Completed Operations Aggregate $ 2,000,000 General Aggregate (other than Products/Completed Operations)
Coverage A—Bodily Injury and Property Damage Liability	$ 1,000,000 any one occurrence subject to the Products/Completed Operations and General Aggregate Limits of Liability
Damage to Premises Rented to You Limit	$ 100,000 any one premises subject to the Coverage A occurrence and the General Aggregate Limits of Liability
Coverage B—Personal and Advertising Injury Liability	$ 1,000,000 any one person or organization subject to the General Aggregate Limits of Liability
Coverage C—Medical Payments	$ 5,000 any one person subject to the Coverage A occurrence and the General Aggregate Limits

Item 2. Description of Business

Form of Business:

☐ Individual ☐ Partnership ☐ Joint Venture ☐ Trust ☒ Limited Liability Company

☐ Organization including a corporation (other than Partnership, Joint Venture or Limited Liability Company)

Location of All Premises You Own, Rent or Occupy:
SEE SCHEDULE OF LOCATIONS

Item 3. Forms and Endorsements

Form(s) and Endorsement(s) made a part of this policy at time of issue:
See Schedule of Forms and Endorsements

Item 4. Premiums

Coverage Part Premium:	$	$500 MP
Other Premium:	$	
Total Premium:	$	$500 MP

THESE DECLARATIONS ARE PART OF THE POLICY DECLARATIONS CONTAINING THE NAME OF THE INSURED AND THE POLICY PERIOD.

CLS-SD-1L (8-01)

STATE OF MONTANA

MONTANA DEPT. OF LIVESTOCK
BRANDS—ENFORCEMENT DIVISION

PERMANENT HORSE INSPECTION

239923

DATE ISSUED 8/12, 2021

OWNER Hannah Catalino

ADDRESS 46 Grace Rd

CITY Whitehall STATE MT

This inspection issued in compliance with Section 81-3-211 MCA. This inspection must accompany Horse at all times when in transit in compliance with Montana laws and laws governing interstate movement. If you own livestock in Montana you are required to pay a PER CAPITA FEE. Visit www.liv.mt.gov for more information.

SEX Male APPROX. WGT. 600 AGE 7yr old

BREED & REG. # BLM Burro chip# 840003211878455

COLOR & MARKINGS Brown/Gray Dark

BLM Freeze Brand # 14891213

Light Muzzle

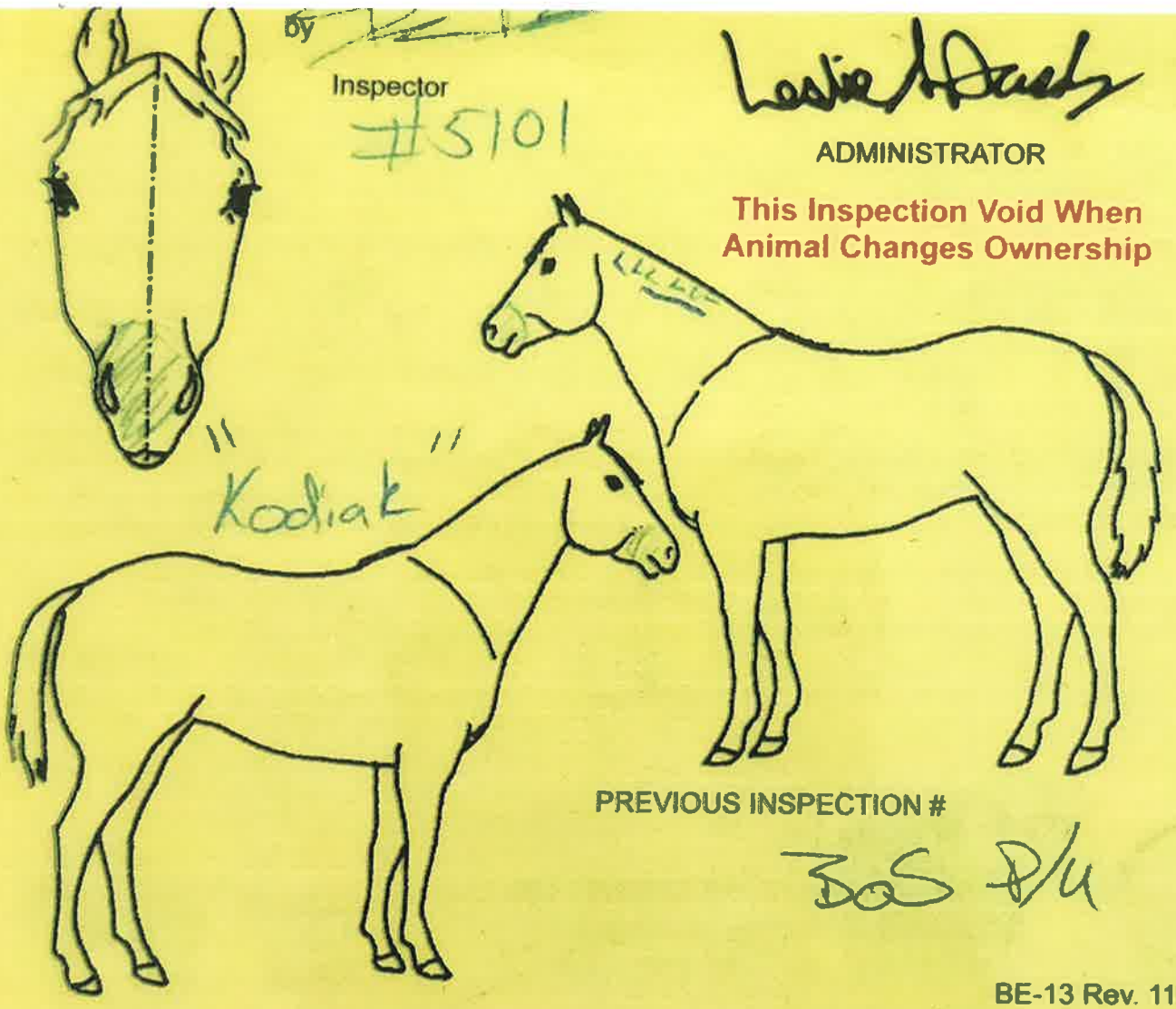
by

Inspector #5101

Leslie A. Davis

ADMINISTRATOR

This Inspection Void When Animal Changes Ownership

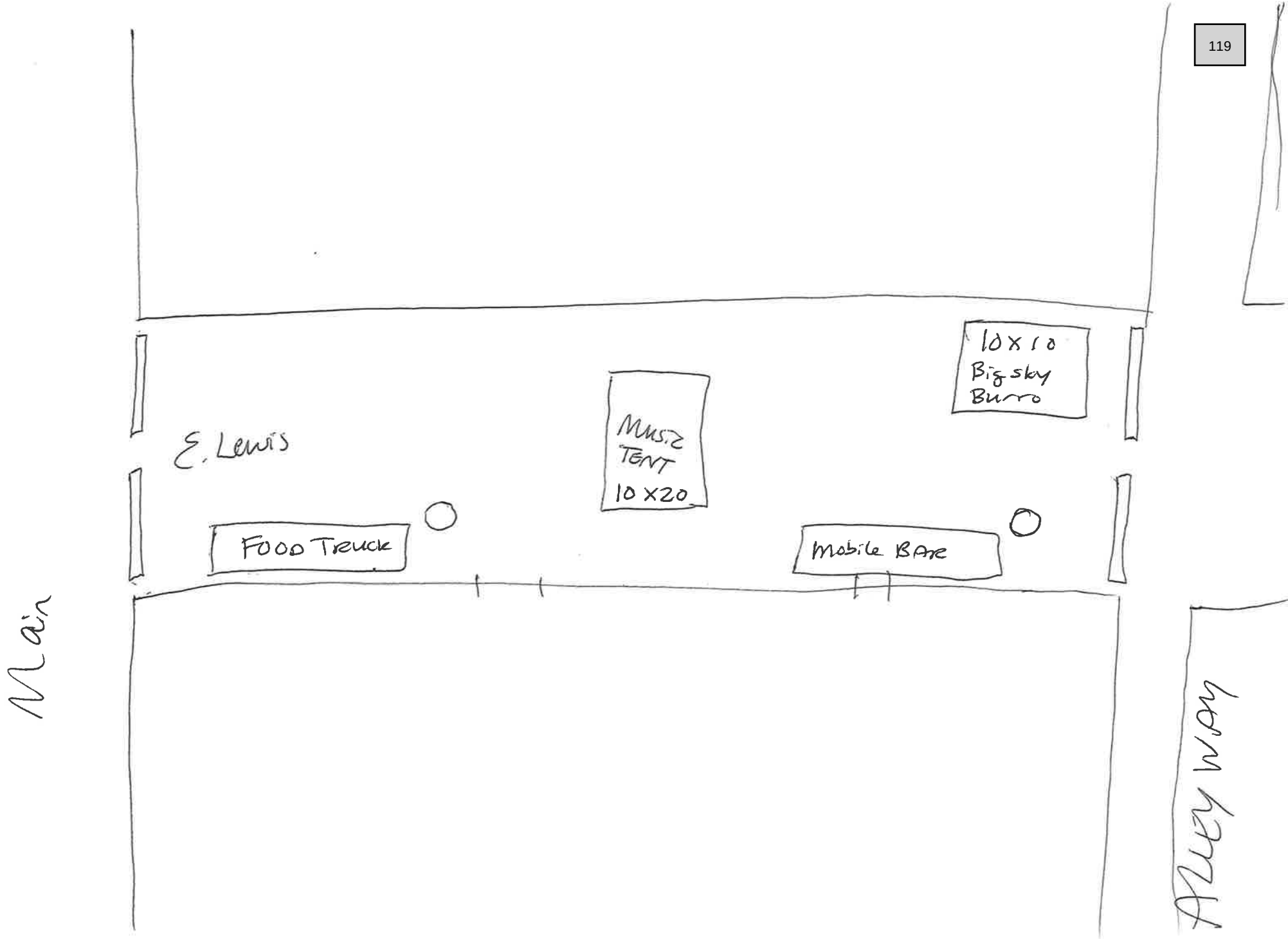


PREVIOUS INSPECTION #

BOS 8/4

BE-13 Rev. 11-2016

OWNER COPY


Main
E. Lewis
10 x 10
Big sky
Burro
Music
Tent
10 x 20
Food Truck
Mobile Bar
Alley Way

120

City of Livingston
220 E Park St
Livingston, MT 59047
(406) 222-1142
www.livingstonmontana.org

XBP Confirmation Number: 239536006

Transaction detail for payment to City of Livingston. **Date: 08/08/2025 - 12:07 PM MT**

Transaction Number: 249253135
Visa — XXXX-XXXX-XXXX-6862
Status: Successful

Account #	Item	Quantity	Item Amount
kithship	Special Event Application kithship	1	$50.00

TOTAL: *$50.00*

Transaction detail for payment to City of Livingston. **Date: 08/08/2025 - 12:07 PM MT**

Transaction Number: 249253138
Visa — XXXX-XXXX-XXXX-6862
Status: Successful

Account #	Item	Quantity	Item Amount
	Service Fee	1	$1.38

TOTAL: *$1.38*

Billing Information
REBECCA SKINNER
59047

Transaction taken by: Admin slembcke

File Attachments for Item:

A. A PROCLAMATION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, DECLARING SEPTEMBER 16, 2025 AS IT PROFESSIONALS DAY IN LIVINGSTON, MONTANA.

Proclamation

Of the Livingston City Commission

Declaring September 16, 2025, as IT Professionals Day

in Livingston, Montana

WHEREAS, National Information Technology Professionals Day is celebrated on the third Tuesday of every September in recognition and appreciation of IT Professionals who take care of the critical technology infrastructure that is relied on to power our digital experience; and

WHEREAS, IT Professionals play a critical role in managing and maintain the essential system and applications that allow the City to serve its residents with excellent services; and

WHEREAS, The City of Livingston IT services include cyber-security preparedness, telecommunications, geographic information systems, network infrastructure, server and desktop virtualization, application and systems development, and 24/7 on-call support for Public Safety and other mission-critical applications; and

WHEREAS, Three IT Professionals across our organization provide these services to our residents and our employees, and every day these IT Professionals are called upon to overcome a myriad of new challenges in a rapidly changing environment; and

WHEREAS, The City of Livingston has been improved by the results of dedicated efforts by our IT Professionals as they have increased efficiency, protected City assets, and improved the safety of our residents and employees.

NOW, THEREFORE, BE IT RESOLVED, on behalf of the Livingston City Commission, I, Quentin Schwarz, Chair, do hereby proclaim September 16, 2025, to IT Professionals Day in Livingston, Montana.

Signed this___ day of September, 2025

_____

Quentin Schwarz, Chair
Livingston City Commission

_____

Emily Hutchinson
City Clerk

File Attachments for Item:

A. APPROVAL OF PRELIMINARY ENGINEERING REPORT FOR REGIONAL WATER PROJECT

LivingstonMontana.org | PublicComment@LivingstonMontana.org | 406.823.6000

DATE: September 16, 2025

TO: Chair Schwarz and City Commissioners

FROM: Shannon Holmes, Public Works Director

RE: Staff Report for Regional Water PER

Recommendation and Summary

Staff is recommending the City Commission Accept the Regional Water Preliminary Engineering Report PER by adopting the following motion:

"I move to Accept the Regional Water Preliminary Engineering Report."

The reasons for the recommendation are as follows:

- This project continues the necessary utility extensions for the recently annexed properties within the Green Acres, Sleeping Giant and Montague Subdivisions.
- This project will analyze the alignment options and probable costs for extending City water for the northeast side of Livingston.
- The Regional Water PER satisfies the Montana Code Annotated Title 7 Chapter 2 Part 4732 criteria for contents of plan of extension of services for newly annexed properties.

Introduction and History

The planning effort will evaluate extending the public water system to the existing Sleeping Giant Estates and Montague Subdivision. Both neighborhoods are on a number of existing community shared wells. The City annexed these Subdivisions in 2021 and is required to have a plan to provide municipal water within 5 years. The proposed planning activity would include replacement of a portion of the City of Livingston's existing water distribution system and extending a new water main to Green Acres subdivision as well. The Green Acres Subdivision was originally platted in 1959. Water was supplied to the subdivision through a public water system owned by the Green Acres Homeowners Association (HOA). The HOA purchased potable water from the City of Livingston. The City annexed Green Acres in 2020.

Analysis

The preliminary engineering report evaluated various alignment alternatives to upgrade the City's water distribution system in the Green Acres Subdivision, Montague Subdivision and Sleeping Giant Community and provide probable cost estimates for each alternative. Through the process, the City and Engineer hosted 5 public meetings for the residents in the northeast part of town to inform, educate and receive feedback on the alternatives and probable costs along with any other pertinent questions. The City will actively pursue design and construction grant opportunities to reduce the financial burden of this project on the residents.

Fiscal Impact

The City of Livingston received a $40,000 grant from the Montana Coal Endowment Program for this project. The City was required to provide a $10,000 match per the grant requirements.

PER's are required to apply for state/federal funding. Typical Funding Sources are Montana Coal Endowment Program (MCEP), Renewable Resource Grants and Loans (RRGL), State Revolving Loan Fund (SRF) and Rural Development (RD).

Strategic Alignment

Growth Policy Goals, Objectives and Strategies for Growth

Goal 9.1 Develop infrastructure to enhance community services and improve public safety for Livingston residents.

Objective 9.1.2 Implement Technologies that improve the capacity and effectiveness of all water based systems.

Strategy 9.1.2.4 Ensure adequate water supply to meet current and future demand.

Attachments

- Attachment A: Draft of Regional Water PER

LIVINGSTON REGIONAL WATER SYSTEM

City Of Livingston Public Works
330 North Bennett Street
Livingston, MT 59047

PRELIMINARY ENGINEERING REPORT (PER)

Prepared by TD&H Engineering
Project Manager: Matthew R. McGee, PE
matt.mcgee@tdhengineering.com
July 2025

B24-011

234 East Babcock Street
Suite 3
Bozeman, MT 59715

TD&H Engineering

406.586.0277
tdhengineering.com

MONTANA | WASHINGTON | IDAHO | NORTH DAKOTA | PENNSYLVANIA

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

1.0 PROJECT PLANNING

The City of Livingston provides water service to residences within city limits. The following sections describe the service area in detail.

A. LOCATION

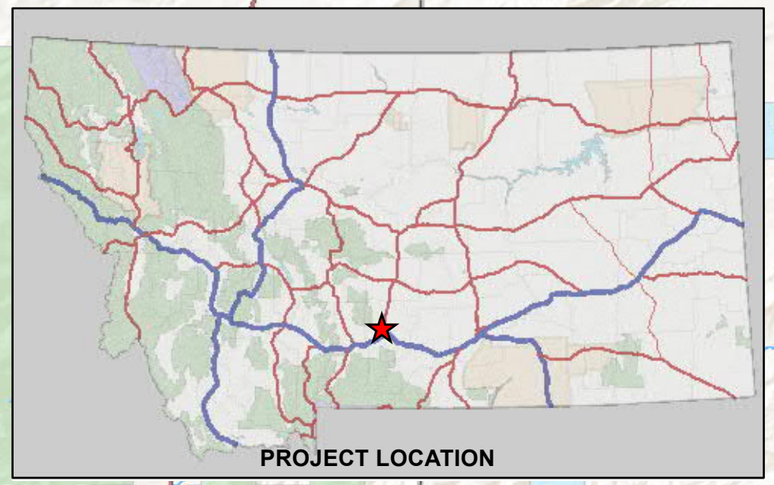
The City of Livingston is the county seat of Park County, Montana. Livingston was established in 1882 when construction of the Northern Pacific Railway (NPR) reached the area and developed a railroad depot and railroad shops. With the expansion of the rail line, visitors to Yellowstone National Park passed through Livingston regularly and it became known as the Gateway to Yellowstone National Park. Although the population and economy experienced a decline when the railroad moved the rail shops out of Livingston in the mid 1980's, the City has rebounded and expanded its industries and businesses to include general service, manufacturing, health, and online/digital service providers as well as agriculture, ranching, logging, and mining. In addition, Livingston continues to capitalize on the tourism industry with its access into Yellowstone National Park. The City sees significant tourist volumes from April through September. Livingston provides opportunities for many recreational activities including fishing, hunting, hiking, rafting, hot springs, and entertainment.

The City of Livingston lies in Township 2 South, Ranges 9 and 10 East. Livingston is located along Interstate-90 (I-90), approximately 25 miles east of Bozeman and 115 miles west of Billings. The City's center is at a latitude and longitude of 45°39'46.5"N and 110°33'26.8"W and is at an elevation of approximately 4,500 feet above sea level. Livingston is located along the Yellowstone River, between four mountain ranges: the Bangtail Hills to the northwest, the Crazy Mountains to the northeast, the Gallatin Range to the southwest, and the Absaroka – Beartooth Mountains to the southeast. In addition to the Yellowstone River, there are several other year-round streams that flow in and around Livingston including Fleshman Creek, Billman Creek, Livingston Ditch, and other minor tributaries. Information on the hydrogeologic conditions have been provided in the City of Livingston's 2001 Source Water Delineation and Assessment Report. According to this report:

The ancestral Yellowstone River cut a 25 to 80 ft deep and roughly one-mile wide trough into bedrock beneath present day Livingston. The river later filled this trough with coarse sand and gravel layers that comprise the Livingston Aquifer, the source of the City of Livingston public water system wells. Fine-grained sandy clay layers are encountered when drilling the Livingston Aquifer…

The average daily low and high temperatures are 17° F and 37° F in January and 49° F and 85° F in July. Precipitation ranges from approximately 0.5 inches per month during the dry season (December through February) to approximately 2.5 inches per month during the wet season (May and June). Livingston receives on average 14.8 inches of precipitation annually and an average of 46.8 inches of snowfall annually.

Refer to **Figure 1-1** for a vicinity map. Livingston encompasses an area of approximately six square miles including developed areas outside the City limits as shown in **Figure 1-2**.



Bridger Range

Bangtail Range

Crazy Mountains

Clyde Park

Shields River

89N

GALLATIN

86

PARK

SWEET GRASS

Yellowstone River

TO BILLINGS

TO BOZEMAN

Livingston

89S

90

10W

295

McLeod

West Boulder River

Boulder River

Gallatin Range

89

540

TO YELLOWSTONE NTL PARK

Absaroka Range

Beartooth Mountains

N

0 1 2 4
Miles

DRAFT

J:\2020\20-085 City of Livingston_Wastewater\CADD\CIVIL\20-085 FIG 1-1.mxd

REV	DATE	REVISION

TD&H Engineering
406.761.3010 • tdhengineering.com
1800 RIVER DR. NO. • GREAT FALLS, MONTANA 59401

DRAWN BY:	CJS
DESIGNED BY:	
QUALITY CHECK:	
DATE DRAWN:	2/2/21
JOB NO.:	20-085
FIELDBOOK:	

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

PROJECT VICINITY MAP

20-085 FIG 1-1.MXD

FIGURE 1-1

PROJECT LOCATION

LIVINGSTON

T2S R9E

T2S R10E

Harvat Bridge

Main Street Bridge

Ninth Street Bridge

City - County Complex

Mountain View Cem

Sacagawea Lagoon

Livingston Island

Siebeck Island

Fleshman Cr

Livingston Ditch

Yellowstone River

Vallis Ditch

Dry Cr

PRONGHORN TRL

ARBOR DR

MILES

BOULDER RD

SWINGLEY RD

MEYERS LN

OLD BOULDER RD

ABSAROKA DR

FLESHMAN CREEK RD

RIDGEVIEW TRL

PRAIRIE DR

WILDFLOWER TRL

HIGH GROUND AVE

E MONTANA ST

E GALLATIN ST

W GALLATIN ST

W CHINOOK ST

W PARK ST

W SUMMIT ST

W MONTANA ST

N 7TH ST

N 8TH ST

W FRONT ST

N 5TH ST

W CALLENDER ST

W LEWIS ST

E LEWIS ST

E CLARK ST

S MAIN ST

S 2ND ST

S 3RD ST

S YELLOWSTONE ST

S 5TH ST

S 6TH ST

S 7TH ST

S 8TH ST

W CLARK ST

W GEYSER ST

W CRAWFORD ST

S 11TH ST

S 12TH ST

S 13TH ST

RIVER RD

RIVER DR

VIEW VISTA DR

S K ST

S I ST

S H ST

S G ST

S C ST

E MERIWETHER DR

COMET BLVD

SUN AVE

WILLOW BEND LN

LOVES LN

BILLMAN LN

MERRILL LN

MILLER DR

PARADISE DR

SUNSET DR

CANYON VIEW DR

BUFFALO TRL

BUFFALO JUMP RD

SHAMROCK LN

LIVINGSTON PEAK ACCESS RD

Bus 89

Bus 90

89 191

90

89

10 11 12 7 8 9 15 14 13 18 17 16 22 23 24 19 20 21 27 26 25 30 29 34 35

59 58 57 56 55

PRINTED 2024-04-21, BY NICOLE M. REDISKE, I:\2024\B02\B24-011 LIVINGSTON REGIONAL WATER PER\06_CADD\CIVIL\FIGURES\B24-011-FIGURE 1-1.DWG

134

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DESIGNED BY:	
QUALITY CHECK:	NMR
DATE:	04/12/2024
JOB NO.	B24-011
FIELDBOOK	

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

DISTRICT TOPOGRAPHICAL MAP

B24-011-FIGURE 1-1.DWG

FIGURE 1-2

B. ENVIRONMENTAL RESOURCES PRESENT

Environmental resources in the vicinity of the City of Livingston are discussed below. Specific impacts for each alternative are discussed further in Chapter 4.0 of this Report. The completed Uniform Environmental Checklist will be included in **Appendix 1-A** of the final draft. Environmental documentation is provided in **Appendix 1-B**; all agency correspondences will be included in **Appendix 1-C** of the final draft**.**

1. Land Resources

The City of Livingston is at an elevation of approximately 4,500 feet above sea level and situated in the Paradise Valley, surrounded by the Crazy Mountains to the northeast, the Gallatin and Bridger Mountain Ranges to the west, and the Absaroka – Beartooth Mountains to the southeast. Area topography is illustrated in the United State Geological Survey (USGS) maps included in **Appendix 1-B.** Soils information, available through the Natural Resources Conservation Service (NRCS) Web Soil Survey, is provided in **Appendix 1-B.** Beaverell-Beavwan complex, 0% to 2% slope is the most prominent soil type within City limits. A letter requesting comment on the proposed improvements has been sent to the NRCS. All correspondence will be provided with the final PER.

2. Floodplains

The City of Livingston is located along the Yellowstone River with additional creeks and minor tributaries running in and around the City. The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMs) City of Livingston and the surrounding area are provided in **Appendix 1-B**. The proposed improvements in the PER are located outside designated floodplains.

3. Wetlands

There are several designated wetland areas immediately adjacent the planning boundary, such as Freshwater Emergent Wetlands, Freshwater Forested/Shrub Wetlands, Freshwater Ponds, and Riverine. A copy of the National Wetlands Inventory, published by the US Fish and Wildlife Service (FWS) is included in **Appendix 1-B**. The proposed project is not expected to impact designated wetlands. An aquatic resource delineation will be completed as necessary to confirm no wetlands will be impacted. Appropriate mitigation measures and permitting will be pursued as required.

4. Agricultural Lands

The City of Livingston and surrounding area has considerable amounts of agricultural lands. The Farmlands Protection Policy Act (FPPA) of 1981 was passed to minimize the impact of Federal programs and projects on the conversion of farmland to non-agricultural uses. The project as currently planned is within City limits where FPPA does not apply. Additionally, the planning area is currently developed areas, which contain no areas of prime or unique farmland thus no impact to important farmlands is expected to occur. The project area is designated as Not Prime Farmland by the NRCS, a copy of the NRCS's Web Soil Survey is available for review in **Appendix 1-B.**

5. Historic Sites

The City of Livingston has four districts that are recognized by the National Register of Historic Places:

- Westside Residential
- Eastside Residential
- B Street
- Downtown (business)

The Montana State Historic Preservation Office (SHPO) has been contacted to comment on the historical and archeological sites in the project area. All correspondences will be included in the final Preliminary Engineering Report.

6. Biological Species Occurrences

The Montana Ecological Services Field Office of the U.S. Fish and Wildlife Service lists four species of concern within Park County that are candidate, proposed, or protected under the Endangered Species Act as threatened species. There are no endangered species in Park County. The species listed by the U.S. Fish and Wildlife Service and their statuses are provided in **Appendix 1-B** and are as follows:

- Canada Lynx – Candidate, Listed Threatened
- Whitebark Pine – Proposed
- Grizzly Bear – Listed Threatened

The Montana Natural Heritage Program (MTNHP) Environmental Report provided a list of the plant and animal "Species of Concern", "Potential Species of Concern", and "Special Status Species" within the queried area. The species of concern and potential species of concern are plants or animals that are native to Montana and are currently, or potentially at risk for extirpation or local extinction. The special status species are species that have some legal protection in place but are no longer recognized as federally listed under the Endangered Species Act. The full list of species can be found in **Appendix 1-B**.

7. Sage Grouse

A query of the Montana Sage Grouse Conservation Program website indicates any improvements to the City's water system will be located outside of the sage grouse habitat designated as a core area, general habitat, or connectivity area and will not be subject to Executive Orders 12-2015 and 21-2015. The Montana Sage Grouse Habitat Conservation Map is included in **Appendix 1-B**. Previous conversations with the Program indicate that projects not within defined sage grouse habitat are not required to coordinate with the Program.

8. Tribal Sites

To protect site of Tribal significance, the Bureau of Indian Affairs (BIA) and the Tribal Historic Preservation Offices (THPO) of the following Tribes have been contacted for comment.

- Apache Tribe of Oklahoma
- Assiniboine and Sioux Tribes Cultural Resources Committee
- Blackfeet Nation Tribe
- Chippewa Cree Cultural Resources Preservation Department
- Confederated Salish and Kootenai Tribes
- Crow Tribe of Montana
- Fort Belknap Indian Community of the Fort Belknap Reservation of Montana
- Little Shell Culture Committee
- Northern Cheyenne Tribe

At this time, no impacts to sites of Tribal significance have been reported. All correspondence will be included in the final draft of this report

9. Socio-economic/Environmental Justice Issues

The City of Livingston is a community where a significant portion of the residents are low and moderate income (LMI). The 2020 to 2023 American Community Survey (ACS) indicates that 37.2% of the Livingston City population was LMI and 15.2% were below the poverty level. The 2024 ACS also indicated the median household income (MHI) is $65,187. Information reported by the Montana Department of Commerce (DOC) is included in **Appendix 1-D.**

The City has been proactive in pursuing grants and low interest loans to minimize impacts to the residents' user rates.

C. POPULATION TRENDS

Population data from the United States Census Bureau is available for Park County and the City of Livingston. Population records from 1970 to 2022 were referenced. **Table 1-1** presents the historical population data.

Table 1-1
Historic Population Data

Year	Park County		City of Livingston	
	Population	% Annual Growth	Population	% Annual Growth
1970	11,197	--	--	--
1980	12,869	1.40%		--
1990	14,484	1.19%	6,701	
2000	15,694	0.81%	6,851	0.22%
2010	15,636	-0.04%	7,044	0.28%
2020	17,191	0.95%	8,223	1.56%

The City of Livingston has been consistently growing since 1990. Steady growth can be expected to continue. The recent population boom in the neighboring Gallatin Valley has reported annual growth rates nearing 3.0%. As such, an annual growth rate of 0.25% is not considered reasonable for projecting the City of Livingston's 20-year design population. It is considered likely that Park County and the City of Livingston will experience elevated growth similar to the neighboring Gallatin County.

The 2021 Sanitary Sewer PER Amendment assumed an annual growth rate of 2.6%. This growth rate is still believed to be reasonable for the City. Populations trends can be shown in **Table 1-2. The anticipated City of Livingston population in 2044 is 15,225 persons.**

Table 1-2
Population Projections

Year	Annual Growth Rate	Population
2020		8,223
2024	2.6%	9,112
2030	2.6%	10,629
2035	2.6%	12,084
2040	2.6%	13,739
2044	2.6%	15,225

D. COMMUNITY ENGAGEMENT

Advertised public meetings were held in the County Complex, with a remote dial-in option also provided. Public notices and meeting minutes are included in **Appendix 1-E.**

The first hearing was held on December 9, 2024; advertisements were posted throughout the community. The primary purpose of the initial public hearing was to discuss deficiencies in the City's existing system and discuss project goals and potential solutions. Meeting attendees included the City Public Works Director and the City Project Manager, TD&H staff, and 27 members of the community. Much of the meeting was utilized to discuss annexed communities to be considered during project planning, estimated costs and funding goals, and planned public process procedures.

The initial public hearing was followed by a public hearing held December 18, 2024 and included both an in-person and virtual option and was advertised throughout the community. Attendees included City staff, TD&H staff, and 8 members of the community. The main purpose of the hearing was to discuss the water alternatives, inform the residents that did not attend the first meeting, and listen to public input.

A third public hearing was held on January 22, 2025. Attendees included the City Public Works Director, the City Project Manager, the Water & Sewer Superintendent, TD&H staff, and a number of members of the community. The main purpose of the hearing was to discuss updated alternative maps, preliminary costs, and discuss the shared wells that will be used for irrigation in the future in Montague and Sleeping Giant.

A fourth public hearing was held on March 26, 2025. Attendees included City staff, TD&H staff, and 17 members of the community. The main purpose of the hearing was to discuss updated alternative maps and preliminary design alternatives and initial cost estimates.

Direct input received from the community at the time of this report included an email from community member Michael Kokot, in which the Mr. Kokot expressed concern about a potential Tana Lane water connection, specifically concerns about insufficient space on his property to maintain adequate separation between planned and/or existing water and sewer lines.

2.0 EXISTING FACILITIES

The following Chapter describes the public water system in and around the Green Acres and Montague subdivisions and Sleeping Giant Estates, both condition and capacity. The City's water system's financial status is also detailed.

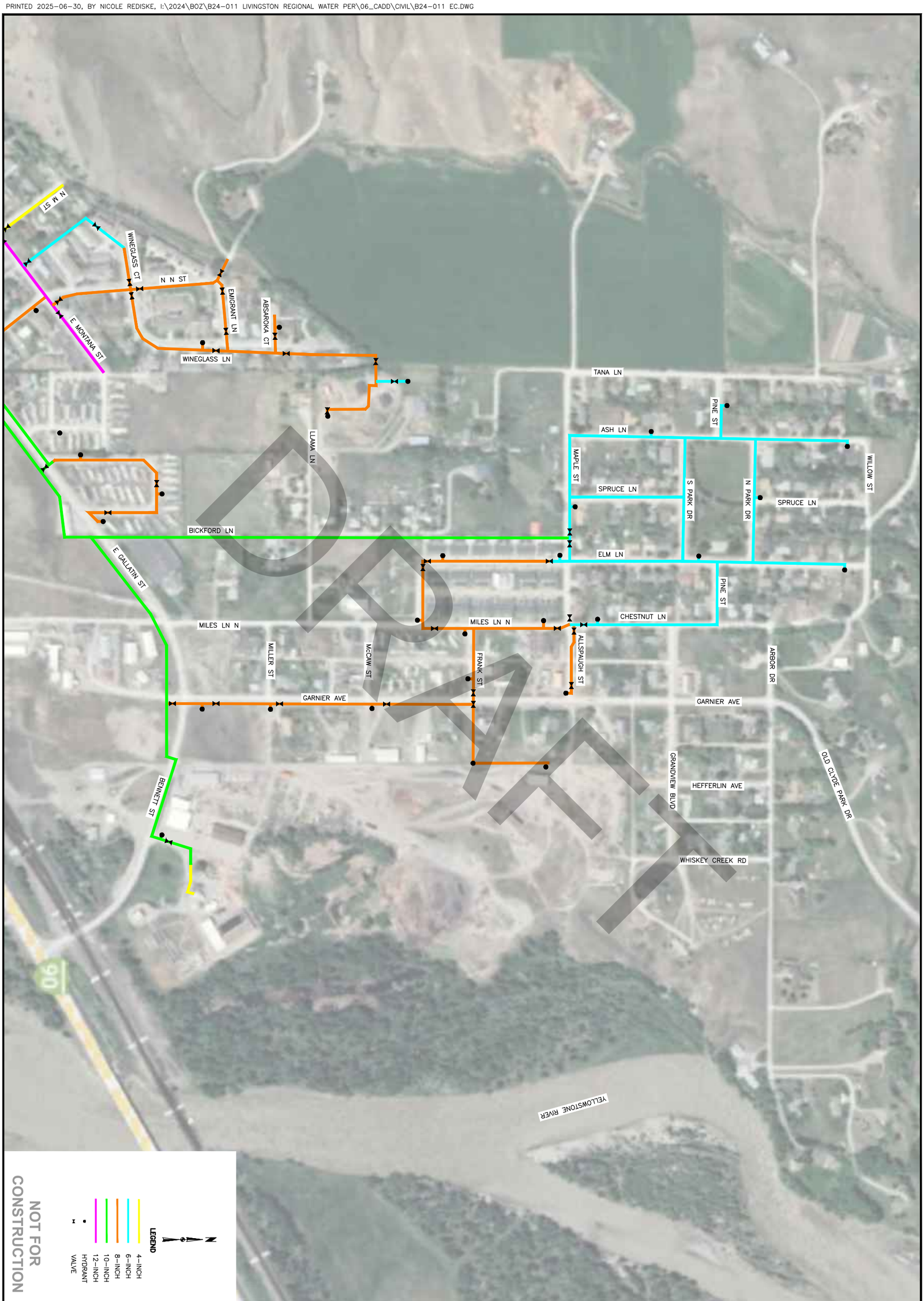
A. LOCATION MAP

The City's jurisdiction zoning boundary encompasses roughly 6 square miles in Park County. The City's water service area covers approximately 2.2 square miles within the jurisdictional boundary. The project area includes roughly 0.2 square miles along the northeast section of the City. **Figure 2-1** presents the project location.

Green Acres, Montague, and Sleeping Giant comprise three subdivisions located northeast of Livingston, MT. Currently Livingston is providing water & sewer service to 165 homes within the Green Acres subdivision. Montague Subdivision and Sleeping Giant Estates are not currently connected to the City's public water system.

B. HISTORY

The Green Acres Subdivision water system was installed and connected to the City of Livingston's water system in 1959. Green Acres Subdivision and Montague Subdivision were annexed into the City of Livingston in 2020 and 2021, respectively. Montague Subdivision and the Sleeping Giant community are not connected to the City's water system and utilize groundwater wells for their potable water source. From 2022 to 2023 a new sewer system was installed to replace the septic system in Green Acres Subdivision and Montague Subdivision.



LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

PROJECT AREA DISTRIBUTION SYSTEM
BY SIZE

FIGURE 2-1

B24-011 EC.DWG

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DATE:
QUALITY CHECK: NMR
DESIGNED BY: JEM
DRAWN BY:

TD&H Engineering
406.586.0277 • tdhengineering.com
234 E. BABCOCK ST., SUITE 3 • BOZEMAN, MONTANA 59715

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C. CONDITION AND CAPACITY OF EXISTING FACILITIES

The following sections detail the condition and capacity of the City of Livingston's water distribution system in the project area.

1. Condition

The current distribution system for Green Acres Subdivision is being fed by a water storage tank ~3/5 a mile to the NW of city center, a connection to the City of Livingston public system extending north along Garnier Avenue, and a 10-inch asbestos cement main extending north along Bickford Lane. The asbestos cement main along Bickford Lane is aging and is likely leaking. Additionally, it extends beneath residential garage structures in the section immediately south of Maple Street. The Green Acres Subdivision's water distribution mains are comprised primarily of ductile iron pipe. Ductile pipe can be operational for 100+ years if optimally maintained under ideal conditions. However, most ductile iron with similar corrosion protection as cast iron in corrosive environments can fail as soon as 25 years. The current system features dead-ends, inadequate isolation, inadequate redundancy, and services crossing adjacent private properties. Additionally, Montague and Sleeping Giant are annexed into the City of Livingston and are currently not connected to the City's public water system.

a. Dead ends

Dead ends in water systems are sections of the system where flow or turbulence in different elements of the system remain low or non-existent for extended periods of time causing stagnation of the water in those elements. During stagnation disinfectant residuals decrease and in turn pathogen concentrations increase. This can generate a permanent source of pathogens in the system if not regularly flushed. Looping water system sections will alleviate this concern by allowing water to flow to services in shorter time periods before disinfectant residuals reduce to critical concentrations. The current Green Acres Subdivision distribution system has dead ends located extending north along both Ash Lane and Elm Lane from North Park Drive, and west from Ash Lane along Pine Street.

b. Inadequate isolation and redundance

Low valve density within the Green Acres Subdivision precludes isolating the water system into small sections or single water lines without denying water to most of the system. Currently, during times of system failure nearly the entire system needs to be off-line to make repairs and all current loops in the system are converted to dead ends. Any current/unknown leaks in the system bring health and safety concerns when system gauge pressure is zero. This allows water to infiltrate the system. Failures within the current system could take multiple days to address, including repairs and disinfection efforts within all sections taken off-line during repair efforts.

Installing adequate valving will allow most of the system to remain functional, isolating and shutting off only the affected sections, eliminating compromise to overall system integrity.

c. Services crossing adjacent properties

Several existing residential homes in Green Acres require their service to cross the neighboring property and connect to the public water main. Water services that cross multiple properties owned by separate entities can cause issues when repairing water service connections. Flooding base course or soil for home foundations can cause swelling or washout under the foundation. Locating the failure if not at the water main or the service connection to the home can be a very invasive process to the neighboring property. This will require exploratory digging or trenching and installing a new service line through the property. Installing waterlines adjacent to public/private property boundaries will make water service installations reside in city right-of-way and homeowner property.

d. Fragile mains

During the 2022 and 2023 sanitary sewer project in Green Acres, it was noted that the existing water mains within the Green Acres Subdivision are fragile and susceptible to failure. During construction, the Contractor reported several unexpected water main breaks. Any current/unknown leaks in the system bring health and safety concerns when system gauge pressure is zero. This allows for ground water to infiltrate the system. As previously discussed, failures within the current system could take multiple days to address, including repairs and disinfection efforts within all sections taken off-line during repair efforts.

e. Neighboring subsurface wastewater treatment system

The Montague Subdivision and Sleeping Giant Community utilize groundwater wells for access to potable water. Until 2022, all three communities utilized septic tanks and drainfields. Many of the subsurface systems were aging and it is unknown if proper maintenance has been followed for the life of the system. With such a high density of aging private subsurface wastewater treatment systems in the area, it is likely that the area groundwater has been contaminated with pathogens and nutrients. This can cause a serious risk to the health and safety of any individual drinking from area wells. Connecting to the City's public water system would ensure the residence of the Montague Subdivision and Sleeping Giant Estates have access to clean and safe drinking water.

f. Lack of Redundancy

Currently, this area of the City's distribution system is served by two mains; an 8-inch PVC main along Garnier Avenue and a 10-inch asbestos cement (AC) main along Bickford Lane. The 10-inch main along Bickford Lane is aging and unreliable. This main requires increased maintenance efforts. Additionally, several structures have been constructed directly over the northern end of this main. This complicates maintenance efforts for over 600 feet of the essential looping water main. This puts the access to safe and reliable drinking water at risk for the Montague and Sleeping Giant Subdivision. Should a breaks occur along the Bickford Lane and Garnier Avenue Mains, these neighborhoods would have no access to the City's water system until the mains can be replaced.

2. Capacity

The existing system in the project area was included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Maximum day demands were assigned based on the existing number of units per lot, assuming 2.5 persons per unit and an average usage of 127.5 gpd per person. Vacant lot demands were assigned using the City of Livingston's assigned zoning and projected unit density correlated with each zone. The projected unit density was also correlated to a proposed population of 2.5 persons per unit and an average day demand of 127.5 gpd per person. Maximum day demands were calculated by multiplying average day demands by the peak hour factor of 2.36. Maximum day demand calculations are included in **Appendix 2-1**. Projected maximum day demands resulted in a calculated minimum pressure value of 76 psi in the project area while supplying maximum day demands. Fire flow calculations performed via the EPS solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow of 1,484 gpm in the project area. WaterCAD reports are included in the **Appendix 2-1**. Detailed WaterCAD system reports are available upon request. See **Figure 2-2** for Junctions color coded by system pressures while supplying maximum day demands.

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COLOR CODING LEGEND JUNCTION PRESSURE (PSI)

- 0–20 PSI
- 21–50 PSI
- 51–60 PSI
- 61–80 PSI
- 81–90 PSI
- 91–110 PSI
- GREATER THAN 110 PSI

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144

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LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES
EXISTING CONDITIONS

B24-011-FIGURE 2-2.DWG

FIGURE 2-2

PRINTED 2025-07-24, BY NICOLE REDISKE, I:\2024\B02\B24-011 LIVINGSTON REGIONAL WATER PER\06_CADD\CIVIL\FIGURES\FIGURE 2-2\FIGURE2-2 PRESSURES\B24-011-FIGURE 2-2.DWG

D. FINANCIAL STATUS OF ANY EXISTING FACILITIES

1. History of Revenues and Expenditures

Financial records for water and sewer were provided by the City of Livingston. **Table 2-1** summarizes the incomes and expenditures for the water system for 2021 to 2023. Details of the City's profits and losses can be found in **Appendix 2-2.**

Table 2-1 Revenue and Expenditure			
Income			
	2021	**2022**	**2023**
Operating Revenue	$ 2,071,413.64	$ 2,059,275.79	$ 2,214,391.86
Non-Operating Revenue	$ 26,707.67	$ 30,046.20	$ 37,802.03
Total Revenue	$ 2,098,121.31	$ 2,089,321.99	$ 2,252,193.89
Expenditures			
	2021	**2022**	**2023**
Total Expenditures	$1,425,082.31	$1,598,260.36	$1,552,835.36
Net			
	2021	**2022**	**2023**
Total Net Income	$ 673,039.00	$ 491,061.63	$ 699,358.53

2. Rate Schedules

The City of Livingston has residential and commercial services comprising ¾" to 6" meter sizes. The City charges a sewer base rate of $18.94 per month, plus $7.70 per 1,000 gallons. For residential water, the City charges a base rate of $13.00 per month, plus $3.00 per 1,000 gallons, based on a standard 5/8" meter. For commercial water, the City charges a base rate based on meter size, as summarized in **Table 2-2.**

Table 2-2 Commercial Water Rate Summary			
Meter Size	**Gallons**	**Base Charge**	**Per 1,000 gallons**
¾"	Up to 7,000	$34.00	$3.00 per 1,000 above 7,000
1"	Up to 15,000	$58.00	$3.00 per 1,000 above 15,000
1.5"	Up to 25,000	$88.00	$3.00 per 1,000 above 25,000
2"	Up to 42,000	$139.00	$3.00 per 1,000 above 42,000
3"	Up to 60,000	$193.00	$3.00 per 1,000 above 60,000
4"	Up to 100,000	$313.00	$3.00 per 1,000 above 100,000
6"	Up to 275,000	$838.00	$3.00 per 1,000 above 275,000

3. Annual Operating and Maintenance Costs

The City of Livingston provided operating and maintenance information for the water system for 2021 to 2023. O&M information is summarized in **Table 2-3**.

Table 2-3
Operation and Maintenance Budget

Operating Expense	FY '21	FY '22	FY '23	Average
Water Administration	$ 127,347.69	$ 133,659.17	$ 280,069.50	$ 180,358.79
Water Services	$ 697,099.59	$ 801,587.73	$ 840,949.09	$ 779,878.80
Payroll	*$ 386,353.79*	*$ 457,773.78*	*$ 405,277.58*	*$ 416,468.38*
Repairs and Maintenance	*$ 156,688.49*	*$ 174,006.03*	*$ 216,807.61*	*$ 182,500.71*
Utilities	*$ 130,388.41*	*$ 143,754.58*	*$ 189,664.70*	*$ 154,602.56*
Safety and Risk Management		*$ 344.31*	*$ 1,660.71*	*$ 1,002.51*
Professional Services	*$ 3,463.06*	*$ -*	*$ 171.00*	*$ 1,211.35*
Water Analysis and Treatment	*$ 11,733.01*	*$ 15,168.17*	*$ 19,100.11*	*$ 15,333.76*
Travel/Lodging/Meals	*$ 26.83*	*$ 263.80*	*$ 151.58*	*$ 147.40*
Training Services	*$ 60.00*	*$ 1,065.56*	*$ 121.80*	*$ 415.79*
State Fee Assessments	*$ 8,386.00*	*$ 9,211.50*	*$ 7,994.00*	*$ 8,530.50*
Facilities/Capital Outlay	$ 13,074.66	$ 21,701.28	$ 9,636.98	$ 14,804.31
Customer Accounting/Collections	$ 64,679.05	$ 70,806.20	$ 85,508.99	$ 73,664.75
Water Department-Miscellaneous	$ 345,404.29	$ 349,830.69	$ 336,670.80	$ 343,968.59
Total	**$ 1,247,605.28**	**$ 1,377,585.07**	**$ 1,552,835.36**	**$ 1,392,675.24**

E. WATER AND ENERGY AUDITS

Aside from the City of Livingston comparing water production and water usage to evaluate water losses within the existing system, no water and energy audits have been recently completed.

3.0 NEED FOR PROJECT

The following Chapter details the City of Livingston's need for improvements to their existing water system. The needs for the project are discussed below in terms of health, sanitation and security, infrastructure age, and system growth.

A. HEALTH, SANITATION AND SECURITY

Health, sanitation, and security are of the utmost importance to the City. Currently the existing distribution system poses a significant threat to the safety and well-being of the communities within the project area.

The current Green Acres Subdivision distribution system has several dead-ends, inadequate isolation, inadequate redundancy, and services crossing private properties. Additionally, while the Montague Subdivision and Sleeping Giant Estates are annexed into the City of Livingston, they do not currently benefit from connection to the City of Livingston public water system and source water from private wells.

Dead ends in the water system allow for periods of low or non-existent flow in some sections of the current Green Acres distribution system. During these periods of stagnation, the disinfection residuals decrease, allowing pathogen concentrations to increase, and in-turn generating a permanent source of pathogens in the system without regular flushing.

Additionally, the distribution system within the Green Acres Subdivision currently maintains a low valve density. During system failure, nearly all the system needs to be taken off-line to make repairs, increasing health and safety concerns associated with an increase of potential pathogens. Fire flows are not provided to these areas while they are taken offline. Additionally, while the system maintains zero pressure, leaks in the system allow for affluents and groundwater to infiltrate the system, also increasing health and safety concern risks. Currently, failures within the current system could take multiple days to complete repairs and disinfection with the entire system taken off-line rather than a smaller section.

Finally, the Montague Subdivision and Sleeping Giant Estates are not on the City's public water system and currently rely on wells for potable water. Until recently, all three communities also utilized septic tanks and drainfields. These subsurface wastewater treatment systems are known to introduce pathogens and high nutrient concentrations to groundwater. Contaminated drinking water contains pathogens. These are disease-producing micro-organisms, which include bacteria (such as giardia lamblia), viruses, and parasites. They can enter drinking water when the water source is contaminated by sewage from area drainfields. They can cause gastroenteritis, salmonella infection, dysentery, shigellosis, hepatitis, and giardiasis, all of which can be dangerous to human health. Additionally, extended exposure to nitrogen in drinking water can be damaging or even fatal to infants. Nitrites react directly with hemoglobin in the human blood and other warm-blooded animals to produce methemoglobin. Methemoglobin destroys the ability of red blood cells to transport oxygen. This condition is especially serious in babies under three months of age. It causes a condition known as methemoglobinemia or "blue baby syndrome".

B. AGING INFRASTRUCTURE

The current distribution within and adjacent the Green Acres Subdivision comprises asbestos cement and ductile iron mains. The existing pipes are aging and likely leaking. It is expected that these mains are contributing to water losses within the City. Additionally, these aging mains showed to be fragile with regular failures during the recent Green Acres Subdivision sanitary sewer project. Fragile mains increase the likelihood of main breaks, requiring the upstream areas to be taken offline. This presents a risk to the health and safety of the community, discussed in the previous section.

C. REASONABLE GROWTH

Green Acres Subdivision, Montague Subdivision, and Sleeping Giant Estates are located on the outer limits of the City of Livingston. The immediate area has the potential for expansion and, subsequently a potential greater rate of overall population growth compared to the City itself. The problems present in the current distribution within the Green Acres subdivision will be perpetuated with future growth. Additionally, without connection to the City water system, growth within the Montague and Sleeping Giant subdivisions will likely perpetuate private groundwater well usage and the risks associated with it.

4.0 ALTERNATIVES CONSIDERED

The following Chapter describes different alternatives that may be implemented to improve the current system. Descriptions and reason for inclusion will be discussed for each alternative. Where alternatives are excluded from further consideration, justification for elimination is provided. If an alternative appears to be feasible, it is analyzed in accordance with all required information identified in the *13th Edition of the Uniform Application for Montana Public Facility Projects*.

A. GREEN ACRES LOOPING MAIN ALTERNATIVES

The following alternatives represent measures to improve water distribution system within the Green Acres Subdivision.

1. Alternative G-1: No Action

The no action alternative proposes no changes to the existing distribution system. Certain physical characteristics such as inadequate valve density over the system and water service connections crossing multiple private properties for certain services, and dead ends are known deficiencies in the current system. The existing ductile iron pipe has shown to be fragile and susceptible to main breaks. For these reasons, the no action alternative is not recommended and will not be considered further.

2. Alternative G-2: Green Acres Replacement

a. Description

Alternative G-2 proposes to replace the existing 6-inch ductile iron water mains within the Green Acres Subdivision with new 8-inch PVC mains. In addition to replacing the existing mains, a new section of 8-inch PVC main is also proposed to extend north from Pine Street along Chestnut Lane and A new 8-inch PVC main along Tana Lane. Valving is including throughout the replacement area to allow for better isolation. Traditional trench excavation is the assumed construction method for new water main installation and water main replacements.

b. Design Criteria

All distribution improvements will adhere to DEQ guidelines as set for *Circular DEQ-1, Standards for Water Works.* Final project design will also adhere to Montana Public Works Standard Specifications (MPWSS) and generally accepted engineering practice.

The proposed improvements were included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Maximum day demands were assigned based on the existing number of units per lot, assuming 2.5 persons per unit and an average usage of 127.5 gpd per person. Vacant lot demands were assigned using the City of Livingston's assigned zoning and projected unit density correlated with each zone. The projected unit density was also correlated to a proposed population of 2.5 persons per unit and an average day demand of 127.5 gpd per person. Maximum day demands were calculated by multiplying average day demands by the peak hour factor of 2.36. Maximum day demand calculations are included in the **Appendix 2-1**. Projected maximum day demands resulted in a calculated minimum pressure value of 73 psi in the project area while supplying maximum day demands. Fire flow calculations performed via the EPS

solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow of 2,113 gpm in the project area. WaterCAD reports corresponding to Fire flow and pressures are included in **Appendix 4-1.** See **Figure 4-1** for Junctions color coded by system pressures while supplying maximum day demands.

c. Map

Figure 4-2 presents the preliminary extents of Alternative G-2.

d. Environmental Impacts

Minor, short-term environmental impacts associated with dust and noise are anticipated during pipe installation. These impacts can be easily mitigated with carefully planned construction practices.

e. Land Requirements

No land purchase, lease or easements are anticipated for this alternative as it is assumed that the existing infrastructure was built in existing right-of-way. All mains will be replaced in their existing alignment and new mains will have a new alignment.

f. Potential Construction Problems

Minor construction problems associated temporary water are anticipated. This can be easily mitigated during construction with proper planning and scheduling.

g. Sustainability Considerations

i. Water and Energy Efficiency

Replacing potentially damaged or corroded mains will eliminate water loss due to leaks in the pipe or fittings.

ii. Green Infrastructure

Storm water management with regard to water system replacement is not applicable.

iii. Other

Replacement of aging mains with inadequate isolation will allow for more manageable repair and maintenance of the system and allows for optimal constructability of expansions for the system in the future.

REPLACE EXISTING 6-INCH MAINS WITH NEW 8-INCH MAINS

WILLOW ST
SPRUCE LN
OLD CLYDE PARK DR
ARBOR DR
N PARK DR
PINE ST
S PARK DR
GARNIER AVE
HEFFERLIN AVE
WHISKEY CREEK RD
GRANDVIEW BLVD
CHESTNUT LN
TANA LN
ASH LN
ELM LN
MAPLE ST
ALLSPAUGH ST
MILES LN N
FRANK ST
YELLOWSTONE RIVER
McCAW ST
MILLER ST
LLAMA LN
ABSAROKA CT
EMIGRANT LN
WINEGLASS LN
WINEGLASS CT
N N ST
N M ST
E MONTANA ST
BICKFORD LN
E GALLATIN ST
BENNETT ST

J-1107 H-122 H-124 J-1103
J-1102 J-787 H-123 J-781
H-121 J-1108 J-780 J-1113
J-790 J-793 HYDRANT TEST J-778 J-1112
H-120
J-1109 J-798 J-799 J-705 J-777 H-126 H-125 H-130
J-876 J-1126 J-1124 J-878 H-128
J-1116 H-127 H-129 H-131
J-1115 J-1084
J-747
J-1111

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COLOR CODING LEGEND JUNCTION PRESSURE (PSI)

- 0–20 PSI
- 21–50 PSI
- 51–60 PSI
- 61–80 PSI
- 81–90 PSI
- 91–110 PSI
- GREATER THAN 110 PSI

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151

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LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES
ALTERNATIVE G-2: GREEN ACRES REPLACEMENT

B24-011-FIGURE ALT G-2.DWG

FIGURE 4-1

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

ALTERNATIVE MAP

ALTERNATIVE G-2: GREEN ACRES REPLACEMENT

FIGURE 4-2

B24-011-FIGURE ALT G-1.DWG

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h. Cost Estimates

Planning level capital costs for Alternative G-2 are presented in **Table 4-1**. Cost estimates are prepared based on limited information in which engineering is up to 5% complete. The accuracy of cost estimates ranges from 15% to 50%. Given the high level of uncertainty at this stage, a contingency of 10% was applied. A 20% allowance for engineering design, legal, and construction administration was included to pay for non-construction related activities.

An increases to general O&M is not anticipated as a result of Alternative G-2. **Table 4-2** identifies the O&M budget.

Table 4-1
Construction Cost Estimate
Alternative G-2: Green Acres Replacement

Item	Quantity	Units	Unit Cost	Cost	Salvage Value[1]
Mobilization	5	%	--	$88,860	$0
Traffic Control	1	LS	$10,000	$10,000	$0
Connect to Existing Main	4	LS	$3,500	$14,000	$10,500
New 8" PVC Water Main	8,687	LF	$100	$868,700	$651,525
New 1" Water SVC (Hardware)	92	EA	$2,000	$184,000	$138,000
New 1" Water SVC (Line)	2,300	LF	$70	$161,000	$120,750
New Fire Hydrant Assembly	15	EA	$8,000	$120,000	$90,000
8" Gate Valve (Ductile Iron)	33	EA	$3,000	$99,000	$74,250
8"x8"x6" Tee (Ductile Iron)	15	EA	$1,200	$18,000	$13,500
8"x8"x8" Tee (Ductile Iron)	12	EA	$1,600	$19,200	$14,400
8" 90 Degree Bend (Ductile Iron)	2	EA	$1,000	$2,000	$1,500
Temporary Service	1	LS	$40,000	$40,000	$0
Road Restoration	9,252	SY	$25	$231,294	$173,471
Exploratory Excavation	10	HR	$1,000	$10,000	$0
Clean Up (3% Minimum of Total Bid)	3	%	--	$55,982	$0
Construction Estimate				**$1,922,036**	**$1,287,896**
Inflation (1.5% for 8 quarters)			12%	$230,644	
Contingency			10%	$215,268	
Administrative, Legal, & Engineering			20%	$473,590	
Total (rounded to the nearest thousand)				**$2,842,000**	**$834,000**

1. Salvage Value PW Factor @ 2.2% for 20 years

Table 4-2 Operation and Maintenance Budget Alternative G-2: Green Acres Replacement		
Operating Expense	**Annual Budget**	
Payroll	$	416,468.38
Repairs and Maintenance	$	182,500.71
Utilities	$	154,602.56
Safety and Risk Management	$	1,002.51
Professional Services	$	1,211.35
Water Analysis and Treatment	$	15,333.76
Travel/Lodging/Meals	$	147.40
Training Services	$	415.79
State Fee Assessment	$	8,530.50
Total	**$**	**780,212.97**

3. Alternative G-3: Green Acres Expansion

a. Description

Alternative G-3 proposes to replace the existing 6-inch ductile iron water mains within the Green Acres Subdivision with new 8-inch PVC mains. Alternative G-3 would also incorporate new looped mains around the perimeter of the subdivision to meet City standards, including on Chestnut Lane north of Pine Street to Willow Street, east-west on Willow Street to Ash Lane, on Tana Lane from Maple Street to Pine Street, and an extension of the main on Pine Street between Tana Lane and Ash Lane and north along Tana Lane from Pine Street to where Tana Lane turns west. The proposed work will also include 43 new valves and 19 new hydrants. Traditional trench excavation is the assumed construction method for new water main installation and water main replacements.

b. Design Criteria

All distribution improvements will adhere to DEQ guidelines as set for *Circular DEQ-1, Standards for Water Works.* Final project design will also adhere to Montana Public Works Standard Specifications (MPWSS) and generally accepted engineering practice.

The proposed improvements were included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Maximum day demands were assigned in the same manner as described previously in Alternative G-2. Maximum day demand calculations are included in the **Appendix 2-1.** Projected maximum day demands resulted in a calculated minimum pressure value of 73 psi in the project area while supplying maximum day demands. Fire flow calculations performed via the EPS solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow of 2,135 gpm in the project area. WaterCAD reports corresponding to Fire flow and pressures are included in the **Appendix 4-1**. See **Figure 4-3** for Junctions color coded by system pressures while supplying maximum day demands.

REPLACE EXISTING 6-INCH MAINS WITH NEW 8-INCH MAINS

J-1106 WILLOW ST J-1105 J-1104 J-1103

H-122 H-124

J-1107

SPRUCE LN

OLD CLYDE PARK DR

J-1102 ARBOR DR

J-787 N PARK DR H-123 J-781

H-121

J-1108 PINE ST J-780 PINE ST J-1113

GARNIER AVE

HEFFERLIN AVE

WHISKEY CREEK RD

J-790 J-793 S PARK DR HYDRANT TEST J-778

J-1112

GRANDVIEW BLVD

CHESTNUT LN

H-120

TANA LN ASH LN SPRUCE LN ELM LN

YELLOWSTONE RIVER

MAPLE ST J-705 J-777 H-125 ALLSPAUGH ST

J-1109 J-798 J-799 H-126 H-130

MILES LN N

FRANK ST J-1124

J-876 J-1126 J-878 H-128

H-129 H-131

J-1116 H-127

J-1115

J-1084

McCAW ST

J-747

J-1111

LLAMA LN

ABSAROKA CT

MILLER ST

EMIGRANT LN

WINEGLASS LN

BICKFORD LN

MILES LN N

GARNIER AVE

N N ST

BENNETT ST

WINEGLASS CT

E GALLATIN ST

E MONTANA ST

N M ST

70

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COLOR CODING LEGEND JUNCTION PRESSURE (PSI)

- 0–20 PSI
- 21–50 PSI
- 51–60 PSI
- 61–80 PSI
- 81–90 PSI
- 91–110 PSI
- GREATER THAN 110 PSI

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LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES
ALTERNATIVE G-3: GREEN ACRES EXPANSION

B24-011-FIGURE ALT G-3.DWG

FIGURE 4-3

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c. Map

Figure 4-4 presents the preliminary extents of Alternative G-3.

d. Environmental Impacts

Minor, short-term environmental impacts associated with dust and noise are anticipated during pipe installation. These impacts can be easily mitigated with carefully planned construction practices.

e. Land Requirements

No land purchase, lease or easements are anticipated for this alternative as it is assumed that the existing infrastructure was built in existing right-of-way. All mains will be replaced in their existing alignment and new mains will have a new alignment.

f. Potential Construction Problems

Minor construction problems associated temporary water are anticipated. This can be easily mitigated during construction with proper planning and scheduling.

g. Sustainability Considerations

i. Water and Energy Efficiency

Replacing potentially damaged or corroded mains will eliminate water loss due to leaks in the pipe or fittings. Additionally eliminating dead ends in the system will allow for disinfectant residual to remain at optimal levels and will no longer require the system to be manually flushed periodically.

ii. Green Infrastructure

Storm water management with regard to water system replacement is not applicable.

iii. Other

Replacement of aging mains with inadequate isolation will allow for more manageable repair and maintenance of the system and allows for optimal constructability of expansions for the system in the future.

h. Cost Estimates

Planning level capital costs for Alternative G-3 are presented in **Table 4-3**. Cost estimates are prepared based on limited information in which engineering is up to 5% complete. The accuracy of cost estimates ranges from 15% to 50%. Given the high level of uncertainty at this stage, a contingency of 10% was applied. A 20% allowance for engineering design, legal, and construction administration was included to pay for non-construction related activities.

Increase to general O&M is anticipated as a result of Alternative G-3 with increased valve density in the new system**. Table 4-4** identifies the O&M budget.

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LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

ALTERNATIVE MAP

ALTERNATIVE G-3: GREEN ACRES EXPANSION

FIGURE 4-4

B24-011-FIGURE ALT G-2.DWG

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Table 4-3 Construction Cost Estimate Alternative G-3: Green Acres Expansion					
Item	**Quantity**	**Units**	**Unit Cost**	**Cost**	**Salvage Value[1]**
Mobilization	5	%	--	$98,371	$0
Traffic Control	1	LS	$10,000	$10,000	$0
Connect to Existing Main	4	LS	$3,500	$14,000	$10,500
New 8" PVC Water Main	9,620	LF	$100	$962,000	$721,500
New 1" Water SVC (Hardware)	92	EA	$2,000	$184,000	$138,000
New 1" Water SVC (Line)	2,300	LF	$70	$161,000	$120,750
New Fire Hydrant Assembly	19	EA	$8,000	$152,000	$114,000
8" Gate Valve (Ductile Iron)	43	EA	$3,000	$129,000	$96,750
8"x8"x6" Tee (Ductile Iron)	19	EA	$1,200	$22,800	$0
8"x8"x8" Tee (Ductile Iron)	16	EA	$1,600	$25,600	$19,200
8" 90 Degree Bend (Ductile Iron)	3	EA	$1,000	$3,000	$2,250
8" 45 Degree Bend (Ductile Iron)	2	EA	$1,000	$2,000	$1,500
Temporary Service	1	LS	$40,000	$40,000	$0
Road Restoration	10,081	SY	$25	$252,028	$189,021
Exploratory Excavation	10	HR	$1,000	$10,000	$0
Clean Up (3% Minimum of Total Bid)	3	%	--	$61,974	$0
Construction Estimate				**$2,127,773**	**$1,413,471**
Inflation (1.5% for 8 quarters)			12%	$255,333	
Contingency			10%	$238,311	
Administrative, Legal, & Engineering			20%	$524,283	
Total (rounded to the nearest thousand)				**$3,146,000**	**$915,000**

1. Salvage Value PW Factor @ 2.2% for 20 years

Table 4-4 Operation and Maintenance Budget Alternative G-3: Green Acres Expansion		
Operating Expense	**Annual Budget**	
Payroll	$	416,468.38
Repairs and Maintenance	$	182,500.71
Utilities	$	154,602.56
Safety and Risk Management	$	1,002.51
Professional Services	$	1,211.35
Water Analysis and Treatment	$	15,333.76
Travel/Lodging/Meals	$	147.40
Training Services	$	415.79
State Fee Assessment	$	8,530.50
Total	**$**	**780,212.97**

B. CONNECTION LOOPING MAIN ALTERNATIVES

As discussed previously in Chapter 2, two mains feed the project area. One of the mains is a 10-inch AC main that is partially buried under new structures. This increases the maintenance requirements and complexity for the distribution systems and puts the neighborhoods' access to clean water at risk. The following alternatives discuss new looping mains.

1. Alternative L-1: No Action

The no action alternative proposes no changes to the existing distribution system. Given the limited 2 existing connection points for the project area and the location and age of the Bickford line, this alternative is not considered feasible and will not be considered further.

2. Alternative L-2 Tana Lane Connection

a. Description

Alternative L-2 would create new connection points to the Green Acres Subdivision from the south, including a connection extending north from Llama Lane to the intersection of Maple Street and Tana Lane, A second connection would be made by extending a new 8-inc mains west from Miles Lane North to the point at which Llama Lane turns north. The proposed work would include abandoning the existing 10-inch asbestos cement main along Bickford Lane between East Gallatin Street and Maple Street. The proposed work will also include 3 new valves and 1 new hydrant. Traditional trench excavation is the assumed construction method for new water main installation.

b. Design Criteria

All distribution improvements will adhere to DEQ guidelines as set for *Circular DEQ-1, Standards for Water Works.* Final project design will also adhere to Montana Public Works Standard Specifications (MPWSS) and generally accepted engineering practice.

The proposed improvements were included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Maximum day demands were assigned in the same manner as described previously in Alternative G-2. Maximum day demand calculations are included in the **Appendix 2-1**. Projected maximum day demands resulted in a calculated minimum pressure value of 76 psi in the project area while supplying maximum day demands. Fire flow calculations performed via the EPS solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow of 1,478 gpm in the project area. WaterCAD reports corresponding to Fire flow and pressures are included in the **Appendix 4-1**. See **Figure 4-5** for Junctions color coded by system pressures while supplying maximum day demands.

c. Map

Figure 4-6 presents the preliminary extents of Alternative L-2.

d. Environmental Impacts

Minor, short-term environmental impacts associated with dust and noise are anticipated during pipe installation. These impacts can be easily mitigated with carefully planned construction practices.

e. Land Requirements

Preliminary design suggests all proposed mains will be located within City right of way. If minor changes to the proposed alignment occurs, easements from private property owners will be secured.

f. Potential Construction Problems

Minor construction problems associated temporary water are anticipated. This can be easily mitigated during construction with proper planning and scheduling.

g. Sustainability Considerations

i. Water and Energy Efficiency

Abandoning the existing asbestos cement main along Bickford Lane is expected to eliminate leaking mains, increasing both water and energy efficiency.

ii. Green Infrastructure

Storm water management with regard to water system replacement is not applicable.

iii. Other

No other sustainability concerns are applicable to this alternative.

COLOR CODING LEGEND
JUNCTION PRESSURE (PSI)

- 0–20 PSI
- 21–50 PSI
- 51–60 PSI
- 61–80 PSI
- 81–90 PSI
- 91–110 PSI
- GREATER THAN 110 PSI

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LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES
ALTERNATIVE L-2: TANA LANE CONNECTION

B24-011-FIGURE ALT L-2.DWG

FIGURE 4-5

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

ALTERNATIVE MAP

ALTERNATIVE L-2: TANA LANE CONNECTION

FIGURE 4-6 | B24-011-FIGURE ALT L-1.DWG

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h. Cost Estimates

Planning level capital costs for Alternative L-2 are presented in **Table 4-5**. Cost estimates are prepared based on limited information in which engineering is up to 5% complete. The accuracy of cost estimates ranges from 15% to 50%. Given the high level of uncertainty at this stage, a contingency of 10% was applied. A 20% allowance for engineering design, legal, and construction administration was included to pay for non-construction related activities.

An increase to general O&M is not anticipated as a result of Alternative L-2. **Table 4-6** identifies the O&M budget.

Table 4-5
Construction Cost Estimate
Alternative L-2: Tana Lane Connection

Item	Quantity	Units	Unit Cost	Cost	Salvage Value[1]
Mobilization	5	%	--	$19,158	$0
Traffic Control	1	LS	$10,000	$10,000	$0
Connect to Existing Main	4	LS	$3,500	$14,000	$0
Abandon Existing 10" Main	1	LS	$1,500	$1,500	$1,125
New 8" PVC Water Main	1,932	LF	$100	$193,200	$144,900
New 1" Water SVC (Hardware)	7	EA	$2,000	$14,000	$10,500
New 1" Water SVC (Line)	350	LF	$70	$24,500	$18,375
New Fire Hydrant Assembly	1	EA	$8,000	$8,000	$6,000
8" Gate Valve (Ductile Iron)	3	EA	$3,000	$9,000	$6,750
8"x8"x6" Tee (Ductile Iron)	1	EA	$1,200	$1,200	$900
8"x8"x8" Tee (Ductile Iron)	5	EA	$1,600	$8,000	$6,000
8" 90 Degree Bend (Ductile Iron)	1	EA	$1,000	$1,000	$750
Road Restoration	1,951	SY	$25	$48,767	$36,575
Temporary Service	1	LS	$40,000	$40,000	$0
Exploratory Excavation	10	HR	$1,000	$10,000	$0
Clean Up (Minimum 3% of Total Bid)	3	%	--	$11,495	$0
Construction Estimate				**$413,820**	**$231,875**
Inflation (1.5% for 8 quarters)			12%	$49,658	
Contingency			10%	$46,348	
Administrative, Legal, & Engineering			20%	$101,965	
Total (rounded to the nearest thousand)				**$612,000**	**$151,000**

1. Salvage Value PW Factor @ 2.2% for 20 years

Table 4-6 Operation and Maintenance Budget Alternative L-2: Tana Lane Connection		
Operating Expense	**Annual Budget**	
Payroll	$	416,468.38
Repairs and Maintenance	$	182,500.71
Utilities	$	154,602.56
Safety and Risk Management	$	1,002.51
Professional Services	$	1,211.35
Water Analysis and Treatment	$	15,333.76
Travel/Lodging/Meals	$	147.40
Training Services	$	415.79
State Fee Assessment	$	8,530.50
Total	**$**	**780,212.97**

3. Alternative L-3: Bickford Lane Connection

a. Description

Alternative L-3 would replace a portion of the existing 10-inch Bickford Lane main extending from Gallatin Street to Brookstone Street and abandon in place the main extending north from the corner of Brookstone Steet and Bickford Lane. The proposed work will also include 3 new valves and 2 new hydrants. Traditional trench excavation is the assumed construction method for new water main installation and water main replacements.

b. Design Criteria

All distribution improvements will adhere to DEQ guidelines as set for *Circular DEQ-1, Standards for Water Works.* Final project design will also adhere to Montana Public Works Standard Specifications (MPWSS) and generally accepted engineering practice.

The proposed improvements were included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Maximum day demands were assigned in the same manner as described previously in Alternative G-2. Maximum day demand calculations are included in the **Appendix 2-1**. Projected maximum day demands resulted in a calculated minimum pressure value of 76 psi in the project area while supplying maximum day demands. Fire flow calculations performed via the EPS solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow of 1,478 gpm in the project area. WaterCAD reports corresponding to Fire flow and pressures are included in the Appendix. See **Figure 4-7** for Junctions color coded by system pressures while supplying maximum day demands.

c. Map

Figure 4-8 presents the preliminary extents of Alternative L-3.

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES

ALTERNATIVE L-3: BICKFORD LANE CONNECTION

FIGURE 4-7 B24-011-FIGURE ALT L-3.DWG

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LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

ALTERNATIVE MAP

ALTERNATIVE L-3: BICKFORD LANE CONNECTION

FIGURE 4-8 B24-011-FIGURE ALT L-2.DWG

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d. Environmental Impacts

Minor, short-term environmental impacts associated with dust and noise are anticipated during pipe installation. These impacts can be easily mitigated with carefully planned construction practices. Groundwater degradation associated with exfiltration from pipes will be minimized because of this alternative.

e. Land Requirements

No land purchase, lease or easements are anticipated for this alternative as it is assumed that the existing infrastructure was built in existing right-of-way.

f. Potential Construction Problems

Minor construction problems associated temporary water are anticipated. This can be easily mitigated during construction with proper planning and scheduling.

g. Sustainability Considerations

i. Water and Energy Efficiency

Replacing and abandoning the potentially damaged or corroded asbestos cement main will eliminate water loss due to leaks in the pipe or fittings.

ii. Green Infrastructure

Storm water management with regard to water system replacement is not applicable.

iii. Other

Replacement of aging mains with inadequate isolation will allow for more manageable repair and maintenance of the system and allows for optimal constructability of expansions for the system in the future.

i. Cost Estimates

Planning level capital costs for Alternative L-3 are presented in **Table 4-7**. Cost estimates are prepared based on limited information in which engineering is up to 5% complete. The accuracy of cost estimates ranges from 15% to 50%. Given the high level of uncertainty at this stage, a contingency of 10% was applied. A 20% allowance for engineering design, legal, and construction administration was included to pay for non-construction related activities.

An increase to general O&M is not anticipated as a result of Alternative L-3. **Table 4-8** identifies the O&M budget.

Table 4-7 Construction Cost Estimate Alternative L-3: Bickford Lane Connection					
Item	**Quantity**	**Units**	**Unit Cost**	**Cost**	**Salvage Value[1]**
Mobilization	5	%	--	$17,516	$0
Traffic Control	1	LS	$10,000	$10,000	$7,500
Connect to Existing Main	4	LS	$3,500	$14,000	$10,500
Abandon Existing 10" Main	1	LS	$1,500	$1,500	$1,125
New 10" PVC Water Main	1,615	LF	$100	$161,500	$121,125
New 1" Water SVC (Hardware)	7	EA	$2,000	$14,000	$10,500
New 1" Water SVC (Line)	350	LF	$70	$24,500	$18,375
New Fire Hydrant Assembly	2	EA	$8,000	$16,000	$12,000
10" Gate Valve (Ductile Iron)	3	EA	$4,500	$13,500	$10,125
10"x10"x6" Tee (Ductile Iron)	2	EA	$1,800	$3,600	$2,700
Road Restoration	1,669	SY	$25	$41,722	$31,292
Temporary Service	1	LS	$40,000	$40,000	$30,000
Exploratory Excavation	10	HR	$1,000	$10,000	$7,500
Clean Up (Minimum 3% of Total Bid)	3	%	--	$11,035	$8,276
Construction Estimate				**$378,873**	**$271,018**
Inflation (1.5% for 8 quarters)			12%	$45,465	
Contingency			10%	$42,434	
Administrative, Legal, & Engineering			20%	$93,354	
Total (rounded to the nearest thousand)				**$560,000**	**$176,000**

1. Salvage Value PW Factor @ 2.2% for 20 years

Table 4-8 Operation and Maintenance Budget Alternative L-3: Bickford Lane Connections		
Operating Expense	**Annual Budget**	
Payroll	$	416,468.38
Repairs and Maintenance	$	182,500.71
Utilities	$	154,602.56
Safety and Risk Management	$	1,002.51
Professional Services	$	1,211.35
Water Analysis and Treatment	$	15,333.76
Travel/Lodging/Meals	$	147.40
Training Services	$	415.79
State Fee Assessment	$	8,530.50
Total	**$**	**780,212.97**

C. MONTAGUE SUBDIVISION ALTERNATIVES

1. Alternative M-1: No Action

The no action alternative proposes no changes to the existing water system for Montague Subdivision. The no action alternative would mean a continuation of the use of well water sourcing for the residents of The Montague Subdivision and would thereby preclude the residents from the health and safety benefits of a connection to the existing public water system. The no action alternative is not recommended and will not be considered further.

2. Alternative M-2: Montague Streets

a. Description

Alternative M-2 would install a new 8-inch main within the Montague Subdivision east-west on Arbor Drive and Grandview Boulevard, and north-south on Garnier Avenue, Hefferlin Avenue, and Whiskey Creek Road. The new mains would connect to the existing City of Livingston water system on Garnier Avenue and Frank Street, Garnier Avenue and Allspaugh Street, and Hefferlin Avenue and Allspaugh, as well as within the Green Acres Subdivision. The proposed work will also include 21 new valves and 9 new hydrants. Traditional trench excavation is the assumed construction method for new water main installation.

b. Design Criteria

All distribution improvements will adhere to DEQ guidelines as set for *Circular DEQ-1, Standards for Water Works.* Final project design will also adhere to Montana Public Works Standard Specifications (MPWSS) and generally accepted engineering practice.

The proposed improvements were included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Maximum day demands were assigned in the same manner as previously described in Alternative G-2. Maximum day demand calculations are included in **Appendix 2-1**. Projected maximum day demands resulted in

a calculated minimum pressure value of 75 psi in the project area while supplying maximum day demands. Fire flow calculations performed via the EPS solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow of 1,429 gpm in the project area. WaterCAD reports corresponding to Fire flow and pressures are included in **Appendix 4-1**. See **Figure 4-9** for Junctions color coded by system pressures while supplying maximum day demands.

c. Map

Figure 4-10 presents the preliminary extents of Alternative M-2.

d. Environmental Impacts

Minor, short-term environmental impacts associated with dust and noise are anticipated during pipe installation. These impacts can be easily mitigated with carefully planned construction practices.

e. Land Requirements

No land purchase, lease or easements are anticipated for this alternative as it is assumed that the existing infrastructure was built in existing right-of-way.

f. Potential Construction Problems

No notable construction problems are anticipated for this alternative.

g. Sustainability Considerations

i. Water and Energy Efficiency

Expansion of the existing public water system into the Montague Subdivision would decrease use of private wells, would create a single, unified, public source, and thereby eliminate inefficient water and energy usage associated with multiple private water sources.

ii. Green Infrastructure

Storm water management with regard to water system replacement is not applicable.

iii. Other

No other sustainability considerations are applicable for this alternative.

COLOR CODING LEGEND JUNCTION PRESSURE (PSI)

- 0–20 PSI
- 21–50 PSI
- 51–60 PSI
- 61–80 PSI
- 81–90 PSI
- 91–110 PSI
- GREATER THAN 110 PSI

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171

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LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES
ALTERNATIVE M-2: MONTAGUE STREETS

B24-011-FIGURE ALT M-2.DWG

FIGURE 4-9

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

ALTERNATIVE MAP

ALTERNATIVE M-2: MONTAGUE STREETS

FIGURE 4-10 B24-011-FIGURE ALT M-1.DWG

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h. Cost Estimates

Planning level capital costs for Alternative M-2 are presented in **Table 4-9.** Cost estimates are prepared based on limited information in which engineering is up to 5% complete. The accuracy of cost estimates ranges from 15% to 50%. Given the high level of uncertainty at this stage, a contingency of 10% was applied. A 20% allowance for engineering design, legal, and construction administration was included to pay for non-construction related activities.

Increase to general O&M is anticipated as a result of Alternative M-2 with the increased service area. **Table 4-10** identifies the O&M budget.

Table 4-9
Construction Cost Estimate
Alternative M-2: Montague Streets

Item	Quantity	Units	Unit Cost	Cost	Salvage Value[1]
Mobilization	5	%	--	$54,544	$0
Traffic Control	1	LS	$30,000	$30,000	$0
Connect to Existing Main	5	LS	$3,500	$17,500	$13,125
New 8" PVC Water Main	5,750	LF	$100	$575,000	$431,250
New 1" Water SVC (Hardware)	30	EA	$2,000	$60,000	$45,000
New 1" Water SVC (Line)	750	LF	$70	$52,500	$39,375
New Fire Hydrant Assembly	9	EA	$8,000	$72,000	$54,000
8" Gate Valve (Ductile Iron)	21	EA	$3,000	$63,000	$47,250
8"x8"x6" Tee (Ductile Iron)	9	EA	$1,200	$10,800	
8"x8"x8" Tee (Ductile Iron)	8	EA	$1,600	$12,800	$9,600
8" Cross (Ductile Iron)	2	EA	$2,000	$4,000	$3,000
8" 90 Degree Bend (Ductile Iron)	3	EA	$1,000	$3,000	$2,250
Road Restoration	5,611	SY	$25	$140,278	$105,208
Temporary Service	1	LS	$40,000	$40,000	$0
Exploratory Excavation	10	HR	$1,000	$10,000	$0
Clean Up (3% Minimum of Total Bid)	3	%	--	$34,363	$0
Construction Estimate				**$1,179,784**	**$750,058**
Inflation (1.5% for 8 quarters)			12%	$141,574	
Contingency			10%	$132,136	
Administrative, Legal, & Engineering			20%	$290,699	
Total (rounded to the nearest thousand)				**$1,744,000**	**$486,000**

1. Salvage Value PW Factor @ 2.2% for 20 years

Table 4-10 Operation and Maintenance Budget Alternative M-2: Montague Streets	
Operating Expense	**Annual Budget**
Payroll	$ 416,468.38
Repairs and Maintenance	$ 192,000.00
Utilities	$ 154,602.56
Safety and Risk Management	$ 1,002.51
Professional Services	$ 1,211.35
Water Analysis and Treatment	$ 15,333.76
Travel/Lodging/Meals	$ 147.40
Training Services	$ 415.79
State Fee Assessment	$ 8,530.50
Total	**$ 789,712.26**

1. Alternative M-3: Montague Alleys

a. Description

Alternative M-3 would install a new 8-inch main within the Montague Subdivision east-west on Arbor Drive and Grandview Boulevard, and north-south on Garnier Avenue and in the alleyways between Garnier Avenue and Hefferlin Avenue and between Hefferlin Avenue and Whiskey Creek Road. The new mains would connect to the existing City of Livingston water system on Garnier Avenue and Frank Street, Garnier Avenue and Allspaugh Street, and Hefferlin Avenue and Allspaugh, as well as within the Green Acres Subdivision. The proposed work will also include 23 new valves and 12 new hydrants. Traditional trench excavation is the assumed construction method for new water main installation and water main replacements.

b. Design Criteria

All distribution improvements will adhere to DEQ guidelines as set for *Circular DEQ-1, Standards for Water Works.* Final project design will also adhere to Montana Public Works Standard Specifications (MPWSS) and generally accepted engineering practice.

The proposed improvements were included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Maximum day demands were assigned in the same manner as previously described in Alternative G-2. Maximum day demand calculations are included in the **Appendix 2-1**. Projected maximum day demands resulted in a calculated minimum pressure value of 75 psi in the project area while supplying maximum day demands. Fire flow calculations performed via the EPS solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow of 1,429 gpm in the project area. WaterCAD reports corresponding to Fire flow and pressures are included in the Appendix. See **Figure 4-11** for Junctions color coded by system pressures while supplying maximum day demands.

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PIPE CONNECTION PROPOSED IN GREEN ACRES ALTERNATIVES

WILLOW ST
H-122
H-124
SPRUCE LN
OLD CLYDE PARK DR
J-1102
J-1101
ARBOR DR
J-1100
J-1099
J-1118
J-1120
J-1121
J-787
N PARK DR
H-123
J-781
H-121
PINE ST
J-780
PINE ST
J-1113
GARNIER AVE
HEFFERLIN AVE
WHISKEY CREEK RD
J-790
J-793
HYDRANT TEST
J-778
S PARK DR
J-1112
J-1096
J-1119
J-1122
GRANDVIEW BLVD
J-1097
J-1098
CHESTNUT LN
H-120
TANA LN
ASH LN
SPRUCE LN
ELM LN
MAPLE ST
J-705
J-777
H-125
ALLSPAUGH ST
J-1117
J-798
J-799
H-126
H-130
YELLOWSTONE RIVER
MILES LN N
FRANK ST
J-1124
J-876
J-878
H-128
J-1126
J-1116
H-127
H-129
H-131
J-1115
J-1084
McCAW ST
J-1111
J-747
LLAMA LN
ABSAROKA CT
WINEGLASS LN
MILLER ST
GARNIER AVE
EMIGRANT LN
J-746
J-748
J-750
J-745
BICKFORD LN
MILES LN N
N N ST
BENNETT ST
WINEGLASS CT
E GALLATIN ST
E MONTANA ST
N M ST
70

DRAFT

COLOR CODING LEGEND JUNCTION PRESSURE (PSI)

- 0–20 PSI
- 21–50 PSI
- 51–60 PSI
- 61–80 PSI
- 81–90 PSI
- 91–110 PSI
- GREATER THAN 110 PSI

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LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES
ALTERNATIVE M-3: MONTAGUE ALLEYS

B24-011-FIGURE ALT M-3.DWG

FIGURE 4-11

c. Map

Figure 4-12 presents the preliminary extents of Alternative M-3.

d. Environmental Impacts

Minor, short-term environmental impacts associated with dust and noise are anticipated during pipe installation. These impacts can be easily mitigated with carefully planned construction practices.

e. Land Requirements

No land purchase, lease or easements are anticipated for this alternative as it is assumed that the existing infrastructure was built in existing right-of-way.

f. Potential Construction Problems

No notable construction problems are anticipated for this alternative.

g. Sustainability Considerations

i. Water and Energy Efficiency

Expansion of the existing public water system into the Montague Subdivision would decrease use of private wells, would create a single, unified, public source, and thereby eliminate inefficient water and energy usage associated with multiple private water sources.

ii. Green Infrastructure

Storm water management with regard to water system replacement is not applicable.

iii. Other

No other sustainability considerations are applicable for this alternative.

h. Cost Estimates

Planning level capital costs for Alternative M-3 are presented in **Table 4-11**. Cost estimates are prepared based on limited information in which engineering is up to 5% complete. The accuracy of cost estimates ranges from 15% to 50%. Given the high level of uncertainty at this stage, a contingency of 10% was applied. A 25% allowance for engineering design, legal, and construction administration was included to pay for non-construction related activities.

Increase to general O&M is anticipated as a result of Alternative M-3 with the increased service area. **Table 4-12** identifies the O&M budget.

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

ALTERNATIVE MAP

ALTERNATIVE M-3: MONTAGUE ALLEYS

FIGURE 4-12

B24-011-FIGURE ALT M-3.DWG

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Table 4-11 Construction Cost Estimate Alternative M-3: Montague Alleys					
Item	**Quantity**	**Units**	**Unit Cost**	**Cost**	**Salvage Value[1]**
Mobilization	5	%	--	$57,139	$0
Traffic Control	1	LS	$10,000	$10,000	$0
Connect to Existing Main	5	LS	$3,500	$17,500	$13,125
New 8" PVC Water Main	5,620	LF	$110	$618,200	$463,650
New 1" Water SVC (Hardware)	30	EA	$2,000	$60,000	$45,000
New 1" Water SVC (Line)	750	LF	$70	$52,500	$39,375
New Fire Hydrant Assembly	12	EA	$8,000	$96,000	$72,000
8" Gate Valve (Ductile Iron)	23	EA	$3,000	$69,000	$51,750
8"x8"x6" Tee (Ductile Iron)	12	EA	$1,200	$14,400	
8"x8"x8" Tee (Ductile Iron)	8	EA	$1,600	$12,800	$9,600
8" Cross (Ductile Iron)	1	EA	$2,000	$2,000	$1,500
8" 90 Degree Bend (Ductile Iron)	3	EA	$1,000	$3,000	$2,250
Road Restoration	5,496	SY	$25	$137,389	$103,042
Temporary Service	1	LS	$40,000	$40,000	$0
Exploratory Excavation	10	HR	$1,000	$10,000	$0
Clean Up (3% Minimum of Total Bid)	3	%	--	$35,998	$0
Construction Estimate				**$1,235,926**	**$801,292**
Inflation (1.5% for 8 quarters)			12%	$148,311	
Contingency			10%	$138,424	
Administrative, Legal, & Engineering			20%	$304,532	
Total (rounded to the nearest thousand)				**$1,827,000**	**$519,000**

1. Salvage Value PW Factor @ 2.2% for 20 years

Table 4-12 Operation and Maintenance Budget Alternative M-3: Montague Alleys		
Operating Expense	**Annual Budget**	
Payroll	$	416,468.38
Repairs and Maintenance	$	192,000.00
Utilities	$	154,602.56
Safety and Risk Management	$	1,002.51
Professional Services	$	1,211.35
Water Analysis and Treatment	$	15,333.76
Travel/Lodging/Meals	$	147.40
Training Services	$	415.79
State Fee Assessment	$	8,530.50
Total	**$**	**789,712.26**

D. SLEEPING GIANT ESTATES

1. Alternative S-1: No Action

The no action alternative proposes no changes to the existing water system for Sleeping Giant Estates. The no action alternative would mean a continuation of the use of private well water sourcing for the residents of Sleeping Giant Estates and would thereby preclude the Sleeping Giant Estates from the health and safety benefits of a connection to the existing public water system. The no action alternative is not recommended and will not be considered further.

2. Alternative S-2: McCaw/Garnier Street Connection

a. Description

Alternative S-2 proposes to install new 8-inch PVC main north along Miles Lane North from East Gallatin Street to Brookstone Street, and east from Miles Lane North along McCaw Street and Miller Street between Miles Lane North from Miles Lane to Garnier Avenue. The proposed work also includes 5 new valves and 2 new hydrants. Traditional trench excavation is the assumed construction method for new water main installation.

b. Design Criteria

All distribution improvements will adhere to DEQ guidelines as set for *Circular DEQ-1, Standards for Water Works.* Final project design will also adhere to Montana Public Works Standard Specifications (MPWSS) and generally accepted engineering practice.

The proposed improvements were included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Maximum day demands were assigned in the same manner as previously described in Alternative G-2. Maximum day demand calculations are included in the **Appendix 2-1**. Projected maximum day demands resulted in a calculated minimum pressure value of 76 psi in the project area while supplying maximum day demands. Fire flow calculations performed via the EPS solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow

of 1,453 gpm in the project area. WaterCAD reports corresponding to Fire flow and pressures are included in the Appendix. See **Figure 4-13** for Junctions color coded by system pressures while supplying maximum day demands.

c. Map

Figure 4-14 presents the preliminary extents of Alternative S-2.

d. Environmental Impacts

Minor, short-term environmental impacts associated with dust and noise are anticipated during pipe installation. These impacts can be easily mitigated with carefully planned construction practices.

e. Land Requirements

No land purchase, lease or easements are anticipated for this alternative as it is assumed that the existing infrastructure was built in existing right-of-way.

f. Potential Construction Problems

No notable construction problems are anticipated for this alternative.

g. Sustainability Considerations

i. Water and Energy Efficiency

Expansion of the existing public water system into the Sleeping Giant Estates would decrease use of private wells, would create a single, unified, public source, and thereby eliminate inefficient water and energy usage associated with multiple private water sources.

ii. Green Infrastructure

Storm water management with regard to water system replacement is not applicable.

iii. Other

No other sustainability considerations are applicable to this alternative.

COLOR CODING LEGEND JUNCTION PRESSURE (PSI)

- 0–20 PSI
- 21–50 PSI
- 51–60 PSI
- 61–80 PSI
- 81–90 PSI
- 91–110 PSI
- GREATER THAN 110 PSI

WILLOW ST
H-122
H-124
SPRUCE LN
OLD CLYDE PARK DR
ARBOR DR
J-787
N PARK DR
H-123
J-781
H-121
PINE ST
J-780
PINE ST
J-1113
GARNIER AVE
HEFFERLIN AVE
WHISKEY CREEK RD
J-790
J-793
S PARK DR
HYDRANT TEST
J-778
J-1112
GRANDVIEW BLVD
CHESTNUT LN
TANA LN
ASH LN
H-120
SPRUCE LN
ELM LN
YELLOWSTONE RIVER
MAPLE ST
J-705
J-777
H-125
ALLSPAUGH ST
J-798
J-799
H-126
H-130
MILES LN N
FRANK ST
J-1124
J-876
J-1126
J-878
H-128
J-1116
H-127
H-129
J-1125
J-1123
H-131
J-1115
J-1084
McCAW ST
J-1111
J-747
LLAMA LN
J-1110
MILLER ST
ABSAROKA CT
EMIGRANT LN
WINEGLASS LN
BICKFORD LN
MILES LN N
GARNIER AVE
N N ST
BENNETT ST
WINEGLASS CT
E GALLATIN ST
E MONTANA ST
N M ST
90

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LIVINGSTON WATE SYSTEM PER
LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES
ALTERNATIVE S-2: McCAW GARNIER STREET CONNECTION

B24-011 FIGURE ALT S-2.DWG

FIGURE 4-13

LIVINGSTON WATE SYSTEM PER
LIVINGSTON, MONTANA

ALTERNATIVE MAP

ALTERNATIVE S-2: McCAW GARNIER STREET CONNECTION

FIGURE 4-14 B24-011 FIGURE ALT S-2.DWG

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h. Cost Estimates

Planning level capital costs for Alternative S-2 are presented in **Table 4-13.** Cost estimates are prepared based on limited information in which engineering is up to 5% complete. The accuracy of cost estimates ranges from 15% to 50%. Given the high level of uncertainty at this stage, a contingency of 10% was applied. A 20% allowance for engineering design, legal, and construction administration was included to pay for non-construction related activities.

Increase to general O&M is anticipated as a result of Alternative S-2 with the expansion of the City's distribution system. **Table 4-14** identifies the O&M budget.

Table 4-13
Construction Cost Estimate
Alternative S-2: McCaw/Garnier Street Connection

Item	Quantity	Units	Unit Cost	Cost	Salvage Value[1]
Mobilization	5	%	--	$37,069	$0
Traffic Control	1	LS	$15,000	$15,000	$0
Connect to Existing Main	4	LS	$3,500	$14,000	$10,500
New 8" PVC Water Main	1,890	LF	$100	$189,000	$141,750
New 1" Water SVC (Hardware)	30	EA	$2,000	$60,000	$45,000
New 1" Water SVC (Line)	1,866	LF	$70	$130,620	$97,965
New Fire Hydrant Assembly	2	EA	$8,000	$16,000	$12,000
8" Gate Valve (Ductile Iron)	5	EA	$3,000	$15,000	$11,250
8"x8"x6" Tee (Ductile Iron)	2	EA	$1,200	$2,400	
8"x8"x8" Tee (Ductile Iron)	6	EA	$1,600	$9,600	$7,200
Road Patching Restoration	1,667	SY	$100	$166,667	$125,000
Road Restoration	2,924	SY	$25	$73,100	$54,825
Temporary Service	1	LS	$40,000	$40,000	$0
Exploratory Excavation	10	HR	$1,000	$10,000	$0
Clean Up (3% Minimum of Total Bid)	3	%	--	$23,354	$0
Construction Estimate				**$801,810**	**$505,490**
Inflation (1.5% for 8 quarters)			12%	$96,217	
Contingency			10%	$89,803	
Administrative, Legal, & Engineering			20%	$197,566	
Total (rounded to the nearest thousand)				**$1,185,000**	**$328,000**

1. Salvage Value PW Factor @ 2.2% for 20 years

Table 4-14 Operation and Maintenance Budget Alternative S-2: McCaw/Garnier Street Connection		
Operating Expense	**Annual Budget**	
Payroll	$	416,468.38
Repairs and Maintenance	$	192,000.00
Utilities	$	154,602.56
Safety and Risk Management	$	1,002.51
Professional Services	$	1,211.35
Water Analysis and Treatment	$	15,333.76
Travel/Lodging/Meals	$	147.40
Training Services	$	415.79
State Fee Assessment	$	8,530.50
Total	**$**	**789,712.26**

3. Alternative S-3: McCaw/Frank Street Connection

a. Description

Alternative S-3 proposes to install new 8-inch PVC main north along Miles Lane North from East Gallatin Street to Brookstone Street, east from Miles Lane North along Miller Street between Miles Lane North and Garnier Avenue, and north along Garnier Avenue from McCaw Street to Frank Street. The proposed work also includes 7 new valves and 2 new hydrants. Traditional trench excavation is the assumed construction method for new water main installation.

b. Design Criteria

All distribution improvements will adhere to DEQ guidelines as set for *Circular DEQ-1, Standards for Water Works.* Final project design will also adhere to Montana Public Works Standard Specifications (MPWSS) and generally accepted engineering practice.

The proposed improvements were included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Maximum day demands were assigned in the same manner as previously described in Alternative G-2. Maximum day demand calculations are included in the **Appendix 2-1.** Projected maximum day demands resulted in a calculated minimum pressure value of 76 psi in the project area while supplying maximum day demands. Fire flow calculations performed via the EPS solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow of 1,454 gpm in the project area. WaterCAD reports corresponding to Fire flow and pressures are included in **Appendix 4-1.** See **Figure 4-15** for Junctions color coded by system pressures while supplying maximum day demands.

WILLOW ST
H-122
H-124
SPRUCE LN
OLD CLYDE PARK DR
ARBOR DR
J-787
N PARK DR
H-123
J-781
H-121
PINE ST
J-780
PINE ST
J-1113
GARNIER AVE
HEFFERLIN AVE
WHISKEY CREEK RD
J-790
J-793
HYDRANT TEST
J-778
S PARK DR
J-1112
GRANDVIEW BLVD
CHESTNUT LN
H-120
TANA LN
ASH LN
SPRUCE LN
ELM LN
YELLOWSTONE RIVER
MAPLE ST
J-705
J-777
H-125
ALLSPAUGH ST
J-798
J-799
H-126
H-130
MILES LN N
FRANK ST
J-1124
J-876
J-878
H-128
J-1126
H-129
H-131
J-1116
H-127
J-1115
J-1125
McCAW ST
J-1084
J-1123
J-1111
J-747
LLAMA LN
J-1110
MILLER ST
ABSAROKA CT
EMIGRANT LN
WINEGLASS LN
BICKFORD LN
MILES LN N
GARNIER AVE
N N ST
BENNETT ST
WINEGLASS CT
E GALLATIN ST
E MONTANA ST
N M ST
70

DRAFT

COLOR CODING LEGEND
JUNCTION PRESSURE (PSI)

- 0–20 PSI
- 21–50 PSI
- 51–60 PSI
- 61–80 PSI
- 81–90 PSI
- 91–110 PSI
- GREATER THAN 110 PSI

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LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES
ALTERNATIVE S-3: McCAW FANK STREET CONNECTION

B24-011 FIGURE ALT S-3.DWG

FIGURE 4-15

c. Map

Figure 4-16 presents the preliminary extents of Alternative S-3.

d. Environmental Impacts

Minor, short-term environmental impacts associated with dust and noise are anticipated during pipe installation. These impacts can be easily mitigated with carefully planned construction practices. Groundwater degradation associated with exfiltration from pipes will be minimized because of this alternative.

e. Land Requirements

No land purchase, lease or easements are anticipated for this alternative as it is assumed that the existing infrastructure was built in existing right-of-way.

f. Potential Construction Problems

No notable construction problems are anticipated for this alternative.

g. Sustainability Considerations

i. Water and Energy Efficiency

Expansion of the existing public water system into the Sleeping Giant Estates would decrease use of private wells, would create a single, unified, public source, and thereby eliminate inefficient water and energy usage associated with multiple private water sources.

ii. Green Infrastructure

Storm water management with regard to water system replacement is not applicable.

iii. Other

No other sustainability considerations are applicable to this alternative.

h. Cost Estimates

Planning level capital costs for Alternative S-3 are presented in **Table 4-15**. Cost estimates are prepared based on limited information in which engineering is up to 5% complete. The accuracy of cost estimates ranges from 15% to 50%. Given the high level of uncertainty at this stage, a contingency of 10% was applied. A 20% allowance for engineering design, legal, and construction administration was included to pay for non-construction related activities.

Increase to general O&M is anticipated as a result of Alternative S-3 as a result of the increased service area. **Table 4-16** identifies the O&M budget.

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

ALTERNATIVE MAP

ALTERNATIVE S-3: McCAW/FRANK STREET CONNECTION

FIGURE 4-16
B24-011 FIGURE ALT S-2.5.DWG

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Table 4-15
Construction Cost Estimate
Alternative S-3: McCaw/Frank Street Connection

Item	Quantity	Units	Unit Cost	Cost	Salvage Value[1]
Mobilization	5	%	--	$38,595	$0
Traffic Control	1	LS	$15,000	$15,000	$0
Connect to Existing Main	4	LS	$3,500	$14,000	$10,500
New 8" PVC Water Main	2,330	LF	$100	$233,000	$174,750
New 1" Water SVC (Hardware)	30	EA	$2,000	$60,000	$45,000
New 1" Water SVC (Line)	1,727	LF	$70	$120,890	$90,668
New Fire Hydrant Assembly	2	EA	$8,000	$16,000	$12,000
8" Gate Valve (Ductile Iron)	5	EA	$3,000	$15,000	$11,250
8"x8"x6" Tee (Ductile Iron)	2	EA	$1,200	$2,400	$1,800
8"x8"x8" Tee (Ductile Iron)	6	EA	$1,600	$9,600	$7,200
8" 90 Degree Bend (Ductile Iron)	1	EA	$1,000	$1,000	$750
Road Patching Restoration	1,544	SY	$100	$154,444	$115,833
Road Restoration	3,222	SY	$25	$80,561	$60,421
Temporary Service	1	LS	$40,000	$40,000	$0
Exploratory Excavation	10	HR	$1,000	$10,000	$0
Clean Up (3% Minimum of Total Bid)	3	%	--	$24,315	$0
Construction Estimate				**$834,805**	**$530,172**
Inflation (1.5% for 8 quarters)			12%	$100,177	
Contingency			10%	$93,498	
Administrative, Legal, & Engineering			20%	$205,696	
Total (rounded to the nearest thousand)				**$1,234,000**	**$344,000**

1. Salvage Value PW Factor @ 2.2% for 20 years

Table 4-16 Operation and Maintenance Budget Alternative S-3: McCaw/Frank Street Connection		
Operating Expense	**Annual Budget**	
Payroll	$	416,468.38
Repairs and Maintenance	$	192,000.00
Utilities	$	154,602.56
Safety and Risk Management	$	1,002.51
Professional Services	$	1,211.35
Water Analysis and Treatment	$	15,333.76
Travel/Lodging/Meals	$	147.40
Training Services	$	415.79
State Fee Assessment	$	8,530.50
Total	**$**	**789,712.26**

4. Alternative S-4: Frank/Garnier Street Connection

a. Description

Alternative S-4 proposes to install new 8-inch PVC main north along Miles Lane North from East Gallatin Street to Brookstone Street, east from Miles Lane North along Miller Street between Miles Lane North and Garnier Avenue, and west along McCaw Street from Garnier Avenue to the access driver through the Sleeping Giant Estates and north along the access drive from McCaw Street to Frank Street. The proposed work also includes 6 new valves and 2 new hydrants. Traditional trench excavation is the assumed construction method for new water main installation.

b. Design Criteria

All distribution improvements will adhere to DEQ guidelines as set for *Circular DEQ-1, Standards for Water Works.* Final project design will also adhere to Montana Public Works Standard Specifications (MPWSS) and generally accepted engineering practice.

The proposed improvements were included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Maximum day demands were assigned in the same manner as previously described in Alternative G-2. Maximum day demand calculations are included in the **Appendix 2-1**. Projected maximum day demands resulted in a calculated minimum pressure value of 76 psi in the project area while supplying maximum day demands. Fire flow calculations performed via the EPS solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow of 1,454 gpm in the project area. WaterCAD reports corresponding to Fire flow and pressures are included in Appendix 4-1. See **Figure 4-17** for Junctions color coded by system pressures while supplying maximum day demands.

WILLOW ST
H-122
H-124
SPRUCE LN
OLD CLYDE PARK DR
ARBOR DR
J-787
N PARK DR
H-123
J-781
H-121
PINE ST
J-780
PINE ST
J-1113
GARNIER AVE
HEFFERLIN AVE
WHISKEY CREEK RD
J-790
J-793
HYDRANT TEST
S PARK DR
J-778
J-1112
GRANDVIEW BLVD
CHESTNUT LN
TANA LN
ASH LN
H-120
SPRUCE LN
ELM LN
YELLOWSTONE RIVER
MAPLE ST
J-705
J-777
H-125
ALLSPAUGH ST
J-798
J-799
H-126
H-130
MILES LN N
FRANK ST
J-1124
J-876
J-1126
J-878
H-128
J-1116
H-127
H-129
H-131
J-1115
McCAW ST
J-1123
J-1084
J-1125
J-747
LLAMA LN
MILLER ST
J-1111
ABSAROKA CT
J-1110
EMIGRANT LN
WINEGLASS LN
BICKFORD LN
MILES LN N
GARNIER AVE
N N ST
BENNETT ST
WINEGLASS CT
E GALLATIN ST
E MONTANA ST
N M ST
90

COLOR CODING LEGEND
JUNCTION PRESSURE (PSI)

- 0–20 PSI
- 21–50 PSI
- 51–60 PSI
- 61–80 PSI
- 81–90 PSI
- 91–110 PSI
- GREATER THAN 110 PSI

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LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES
ALTERNATIVE S-4: FRANK GARNIER STEET CONNECTION

B24-011 FIGURE ALT S-4.DWG

FIGURE 4-17

c. Map

Figure 4-18 presents the preliminary extents of Alternative S-4.

d. Environmental Impacts

Minor, short-term environmental impacts associated with dust and noise are anticipated during pipe installation. These impacts can be easily mitigated with carefully planned construction practices.

e. Land Requirements

No land purchase, lease or easements are anticipated for this alternative as it is assumed that the existing infrastructure was built in existing right-of-way.

f. Potential Construction Problems

No notable construction problems are anticipated for this alternative.

g. Sustainability Considerations

i. Water and Energy Efficiency

Expansion of the existing public water system into the Sleeping Giant Estates would decrease use of private wells, would create a single, unified, public source, and thereby eliminate inefficient water and energy usage associated with multiple private water sources.

ii. Green Infrastructure

Storm water management with regard to water system replacement is not applicable.

iii. Other

No other sustainability considerations are applicable to this alternative.

h. Cost Estimates

Planning level capital costs for Alternative S-4 are presented in **Table 4-17.** Cost estimates are prepared based on limited information in which engineering is up to 5% complete. The accuracy of cost estimates ranges from 15% to 50%. Given the high level of uncertainty at this stage, a contingency of 10% was applied. A 20% allowance for engineering design, legal, and construction administration was included to pay for non-construction related activities.

Increase to general O&M is anticipated as a result of Alternative S-4 with increased service area. **Table 4-18** identifies the O&M budget.

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

ALTERNATIVE MAP
ALTERNATIVE S-4: FRANK/GARNIER STEET CONNECTION

FIGURE 4-18
B24-011 FIGURE ALT S-1.DWG

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Table 4-18 Construction Cost Estimate Alternative S-4: Frank/Garnier Street Connection					
Item	**Quantity**	**Units**	**Unit Cost**	**Cost**	**Salvage Value[1]**
Mobilization	5	%	--	$33,345	$0
Traffic Control	1	LS	$15,000	$15,000	$0
Connect to Existing Main	5	LS	$3,500	$17,500	$13,125
New 8" PVC Water Main	2,215	LF	$110	$243,650	$182,738
New 1" Water SVC (Hardware)	30	EA	$2,000	$60,000	$45,000
New 1" Water SVC (Line)	1,045	LF	$70	$73,150	$54,863
New Fire Hydrant Assembly	2	EA	$8,000	$16,000	$12,000
8" Gate Valve (Ductile Iron)	6	EA	$3,000	$18,000	$13,500
8"x8"x6" Tee (Ductile Iron)	2	EA	$1,200	$2,400	$1,800
8"x8"x8" Tee (Ductile Iron)	5	EA	$1,600	$8,000	$6,000
8" 90 Degree Bend (Ductile Iron)	1	EA	$1,000	$1,000	$750
Road Patching Restoration	956	SY	$100	$95,556	$71,667
Road Restoration	2,666	SY	$25	$66,639	$49,979
Temporary Service	1	LS	$40,000	$40,000	$0
Exploratory Excavation	10	HR	$1,000	$10,000	$0
Clean Up (3% Minimum of Total Bid)	3	%	--	$21,007	$0
Construction Estimate				**$721,246**	**$451,421**
Inflation (1.5% for 8 quarters)			12%	$86,550	
Contingency			10%	$80,780	
Administrative, Legal, & Engineering			20%	$177,715	
Total (rounded to the nearest thousand)				**$1,066,000**	**$293,000**

1. Salvage Value PW Factor @ 2.2% for 20 years

Table 4-18 Operation and Maintenance Budget Alternative S-4: Frank/Garnier Street Connection	
Operating Expense	**Annual Budget**
Payroll	$ 416,468.38
Repairs and Maintenance	$ 192,000.00
Utilities	$ 154,602.56
Safety and Risk Management	$ 1,002.51
Professional Services	$ 1,211.35
Water Analysis and Treatment	$ 15,333.76
Travel/Lodging/Meals	$ 147.40
Training Services	$ 415.79
State Fee Assessment	$ 8,530.50
Total	**$ 789,712.26**

5. Alternative S-5: Frank Street Loop

a. Description

Alternative S-5 proposes to install new 8-inch PVC main north along Miles Lane North from East Gallatin Street to Brookstone Street, east along Miller Street between Miles Lane North and Garnier Avenue. Alternative S-5 also proposes to install a loop from Frank Street, south along Garnier Avenue, west along McCaw Street to the access drive through Sleeping Giant Estates and north to Frank Street. The proposed work also includes 7 new valves and 2 new hydrants. Traditional trench excavation is the assumed construction method for new water main installation.

b. Design Criteria

All distribution improvements will adhere to DEQ guidelines as set for *Circular DEQ-1, Standards for Water Works.* Final project design will also adhere to Montana Public Works Standard Specifications (MPWSS) and generally accepted engineering practice.

The proposed improvements were included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Maximum day demands were assigned in the same manner as previously described in Alternative G-2. Maximum day demand calculations are included in **Appendix 2-1**. Projected maximum day demands resulted in a calculated minimum pressure value of 76 psi in the project area while supplying maximum day demands. Fire flow calculations performed via the EPS solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow of 1,454 gpm in the project area. WaterCAD reports corresponding to Fire flow and pressures are included in **Appendix 4-1**. **See Figure 4-19** for Junctions color coded by system pressures while supplying maximum day demands.

WILLOW ST
H-122
H-124
SPRUCE LN
OLD CLYDE PARK DR
ARBOR DR
J-787
N PARK DR
H-123
J-781
H-121
PINE ST
J-780
PINE ST
J-1113
GARNIER AVE
HEFFERLIN AVE
WHISKEY CREEK RD
J-790
J-793
HYDRANT TEST
J-778
S PARK DR
J-1112
GRANDVIEW BLVD
TANA LN
ASH LN
H-120
SPRUCE LN
ELM LN
CHESTNUT LN
YELLOWSTONE RIVER
MAPLE ST
J-705
J-777
H-125
ALLSPAUGH ST
J-798
J-799
H-126
H-130
MILES LN N
FRANK ST
J-1124
J-876
J-878
H-128
J-1126
J-1116
H-127
H-129
J-1115
J-1125
J-1123
H-131
J-1084
McCAW ST
J-747
LLAMA LN
MILLER ST
J-1111
J-1110
ABSAROKA CT
EMIGRANT LN
WINEGLASS LN
BICKFORD LN
MILES LN N
GARNIER AVE
N N ST
WINEGLASS CT
BENNETT ST
E GALLATIN ST
E MONTANA ST
N M ST
90

COLOR CODING LEGEND
JUNCTION PRESSURE (PSI)

- 0–20 PSI
- 21–50 PSI
- 51–60 PSI
- 61–80 PSI
- 81–90 PSI
- 91–110 PSI
- GREATER THAN 110 PSI

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LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES
ALTERNATIVE S-5: FRANK STREET LOOP

B24-011 FIGURE ALT S-5.DWG

FIGURE 4-19

c. Map

Figure 4-20 presents the preliminary extents of Alternative S-5.

d. Environmental Impacts

Minor, short-term environmental impacts associated with dust and noise are anticipated during pipe installation. These impacts can be easily mitigated with carefully planned construction practices.

e. Land Requirements

No land purchase, lease or easements are anticipated for this alternative as it is assumed that the existing infrastructure was built in existing right-of-way.

f. Potential Construction Problems

No notable construction problems are anticipated for this alternative.

g. Sustainability Considerations

i. Water and Energy Efficiency

Expansion of the existing public water system into the Sleeping Giant Estates would decrease use of private wells, would create a single, unified, public source, and thereby eliminate inefficient water and energy usage associated with multiple private water sources.

ii. Green Infrastructure

Storm water management with regard to water system replacement is not applicable.

iii. Other

No other sustainability considerations are applicable to this alternative.

h. Cost Estimates

Planning level capital costs for Alternative S-5 are presented in **Table 4-19**. Cost estimates are prepared based on limited information in which engineering is up to 5% complete. The accuracy of cost estimates ranges from 15% to 50%. Given the high level of uncertainty at this stage, a contingency of 10% was applied. A 20% allowance for engineering design, legal, and construction administration was included to pay for non-construction related activities

Increase to general O&M is anticipated as a result of Alternative S-5 with increased service area. **Table 4-20** identifies the O&M budget.

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

ALTERNATIVE MAP

ALTERNATIVE S-5: FRANK STREET LOOP

FIGURE 4-20

B24-011 FIGURE ALT S-1.5.DWG

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Table 4-19 Construction Cost Estimate Alternative S-5: Frank Street Loop					
Item	**Quantity**	**Units**	**Unit Cost**	**Cost**	**Salvage Value[1]**
Mobilization	5	%	--	$35,634	$0
Traffic Control	1	LS	$15,000	$15,000	$0
Connect to Existing Main	6	LS	$3,500	$21,000	$15,750
New 8" PVC Water Main	2,680	LF	$110	$294,800	$221,100
New 1" Water SVC (Hardware)	30	EA	$2,000	$60,000	$45,000
New 1" Water SVC (Line)	993	LF	$70	$69,510	$52,133
New Fire Hydrant Assembly	2	EA	$8,000	$16,000	$12,000
8" Gate Valve (Ductile Iron)	7	EA	$3,000	$21,000	$15,750
8"x8"x6" Tee (Ductile Iron)	2	EA	$1,200	$2,400	$1,800
8"x8"x8" Tee (Ductile Iron)	7	EA	$1,600	$11,200	$8,400
8" 90 Degree Bend (Ductile Iron)	1	EA	$1,000	$1,000	$750
Road Patching Restoration	747	SY	$100	$74,667	$56,000
Road Restoration	3,044	SY	$25	$76,106	$57,079
Temporary Service	1	LS	$40,000	$40,000	$0
Exploratory Excavation	10	HR	$1,000	$10,000	$0
Clean Up (3% Minimum of Total Bid)	3	%	--	$22,449	$0
Construction Estimate				**$770,766**	**$485,762**
Inflation (1.5% for 8 quarters)			12%	$92,492	
Contingency			10%	$86,326	
Administrative, Legal, & Engineering			20%	$189,917	
Total (rounded to the nearest thousand)				**$1,140,000**	**$315,000**

1. Salvage Value PW Factor @ 2.2% for 20 years

Table 4-20 Operation and Maintenance Budget Alternative S-4: Frank Street Loop	
Operating Expense	**Annual Budget**
Payroll	$ 416,468.38
Repairs and Maintenance	$ 192,000.00
Utilities	$ 154,602.56
Safety and Risk Management	$ 1,002.51
Professional Services	$ 1,211.35
Water Analysis and Treatment	$ 15,333.76
Travel/Lodging/Meals	$ 147.40
Training Services	$ 415.79
State Fee Assessment	$ 8,530.50
Total	**$ 789,712.26**

5.0 SELECTION OF AN ALTERNATIVE

Each technically feasible alternative presented in Chapter 4 was evaluated to select the most beneficial alternative for the City of Livingston. The viable alternatives are evaluated below based on an organized and systematic approach. This methodology ensures a consistent and unbiased means of selecting the most beneficial alternative for each community. Each alternative was evaluated by applying consistent criteria. These criteria include life cycle cost analysis, technical and logistical feasibility, operation and maintenance complexity, public health and safety, environmental impacts, and public acceptance. Each viable option was ranked within a decision matrix. The alternative selection process is presented in the following sections. Options chosen for further consideration from this method will be discussed in greater details in Chapter 6.0 – Proposed Project.

A. GREEN ACRES ALTERNATIVES

Three water distribution alternatives for Green Acres Subdivision were discussed in Chapter 4. Alternative G-1: No Action was considered not feasible. Alternative G-1 did not provide a solution to the distribution concerns present in the Green Acres Subdivision. Therefore, the G-1 alternative has been eliminated from further consideration. The following sections compares the remaining two alternatives with respect to the above-mentioned criterion. Each alternative was given a score with the lower scores representing the most desirable alternative. Scores for each criterion were summed together in the decision matrix; the lowest total score indicates the most advantageous project for the Green Acres Subdivision.

1. Life Cycle Cost Analysis

Life Cycle Cost Analysis will be completed for the final draft.

2. Non-Monetary Factors

The alternative analysis includes consideration of non-monetary factors such as technical and logistical feasibility, operations and maintenance complexity, public health and safety, environmental impacts, and public acceptance. The following discussion evaluates the remaining two alternatives with respect to each criterion. Each Green Acres alternative has been ranked 1-2 for each criterion, with 1 indicating the most desirable option.

a. Technical and Logistical Feasibility

Technical and logistical feasibility considers factors such as permitting requirements, land acquisition, and technical practicality of the project. The two remaining Green Acres alternatives are both considered technically feasible. Preliminary designs apply typical industry standards and meet applicable design requirements.

Alternative G-2 is considered the most logistically feasible option. This alternative place new system features and replacement mains almost entirely within the existing pipe network alignments, therefore minimal new pipe alignments are planned as a part of this alternative. Logistical complications for planning and construction are minimized as a part of this alternative. For these reasons, Alternative G-2 has been ranked 1 in terms of technical and logistical feasibility.

Alternative G-3 expands the new pipe network alignments around the perimeter of the Green Acres Subdivision. It is expected that the new main would be constructed within the existing roadway easements. This alternative also comprises construction of a substantial

length of new main, increasing the likelihood of logistical complications for planning and construction. Therefore, this alternative is ranked 2 in terms of technical and logistical feasibility.

b. Operation and Maintenance Complexity

The City of Livingston maintains many residential communities and businesses within their service area. Limited resources and manpower must be sufficient to maintain all service connections within the City. Therefore, it is desirable to optimize the complexity of operation and maintenance procedures to minimize impact to available staffing and associated technical expertise. An ideal alternative will minimize O&M complexities to avoid unnecessary strain.

Alternative G-2 does not substantially increase length of pipe or the density of the valve distribution across the Green Acres distribution system. For these reasons, it is expected that O&M efforts will not increase as a part of this alternative. However, the current valve density within the existing system disallows system isolation during maintenance and repair events and the current O&M complexities are considered less than ideal. Therefore, Alternative G-2 is ranked 2 in terms of operation and maintenance complexities.

Alternative G-3 increases pipe length and valve density within the Green Acres distribution system. Therefore it is expected that there will be some increase in routine maintenance and operations effort as a part of the facility expansion. However, the increase of valve density allows system isolation during maintenance and repair events and thereby greatly improves O&M complexities and required effort during events that take portions of the system off-line. Currently, substantial repair and maintenance emergencies would require taking nearly the entire Green Acres Subdivision system off-line and require substantial effort to appropriately reestablish connection upon completion of repair. Alternative G-3 increases valve density significantly and thereby minimizes the O&M effort and complexity during substantial maintenance and repair events. Therefore, Alternative G-3 is ranked 1 in terms of operations and maintenance complexities.

c. Public Health and Safety

The purpose of the improvements to the water distribution system within the Green Acres subdivision is to provide greater access to clean and reliable water.

Alternative G-2 replaces aging, and potentially leaking, mains with new PVC pipe and thereby decrease risk of groundwater and potential contaminants from entering the system at leakage points. However, Alternative G-2 does not address the existing dead ends within the system, so improvements to stagnation and associated health and safety concerns are minimal with Alternative G-2. Additionally, Alternative G-2 does not address public health and safety concerns associated with the inability to isolate portions of the system during repair and maintenance emergencies. For these reasons, Alternative G-2 is ranked 2 in terms of public health and safety.

Alternative G-3 is considered ideal in terms of public health and safety. This alternative addresses potentially leaking pipes, dead ends and stagnation concerns, and improves the ability for portions of the system to be isolated during repair and maintenance emergencies. Therefore, Alternative G-3 is ranked 1 in terms of public health and safety.

d. Environmental Impacts

Each alternative is expected to impact the surrounding environment during construction. These environmental impacts are expected to be minor and short-term. Alternative G-2 and G-3 have been ranked equally in terms of environmental impact.

e. Public Acceptance

Conversations with City staff and community members have indicated Alternative G-3 is preferred. Alternatives G-2 and G-3 have been ranked 2 and 1, respectively in terms of public acceptance.

3. Alternative Ranking Matrix

The non-monetary were compared in an organized and systematic method. A scoring structure was implemented to impartially compare the water distribution alternatives for the Green Acres Subdivision. The alternatives were ranked 1-2 for each of the criterion. The lowest overall score indicates the most desirable option. The alternative scoring is presented in Table 5-1. As shown in the table below, **Alternative G-3: Green Acres Expansion is currently considered the most ideal water distribution alternative for Green Acres.**

Table 5-1
Green Acres Alternative Decision Ranking Matrix

Alt.	Life Cycle Cost	Technical and Logistical Feasibility	O&M Complexity	Public Health and Safety	Environmental Impacts	Public Acceptance	Total	Ranking
G-2	_	1	2	2	1	2	8	_
G-3	_	2	1	1	1	1	6	_

B. CONNECTION LOOPING MAIN ALTERNATIVES

Three water main looping alternatives were discussed in Chapter 4. Alternative L-1: No Action was considered not feasible. Alternative L-1 proposes no changes to the existing connection and does not address issues with aging and leaking pipes, nor does it eliminate crossing private properties. Therefore, the L-1 alternative has been eliminated from further consideration. The following sections compares the remaining two alternatives with respect to the above-mentioned criterion. Each alternative was given a score with the lower scores representing the most desirable alternative. Scores for each criterion were summed together in the decision matrix; the lowest total score indicates the most advantageous project for the Connection Looping Mains.

1. Life Cycle Cost Analysis

Life Cycle Cost Analysis will be completed for the final draft.

2. Non-Monetary Factors

The alternative analysis includes consideration of non-monetary factors such as technical and logistical feasibility, operations and maintenance complexity, public health and safety,

environmental impacts, and public acceptance. The following discussion evaluates the remaining two alternatives with respect to each criterion. Each looping connection alternative has been ranked 1-2 for each criterion, with 1 indicating the most desirable option.

a. Technical and Logistical Feasibility

Technical and logistical feasibility considers factors such as permitting requirements, land acquisition, and technical practicality of the project. The two remaining looping main connection alternatives are both considered technically feasible. Preliminary designs apply typical industry standards and meet applicable design requirements.

Alternative L-3 is considered the most logistically feasible option. This alternative replaces mains entirely within the existing pipe alignment. Therefore this alternative will not require new easements or land acquisition. Additionally, no new pipe alignments are planned as a part of this alternative, therefore logistical complications for planning and construction are minimized as a part of this alternative. For these reasons, Alternative L-3 has been ranked 1 in terms of technical and logistical feasibility.

Alternative L-2 creates new connections from the City water system to the Green Acres distribution network and completely abandons the existing main connection along Bickford Lane. It is expected that the new main would be constructed mostly within the existing roadway easements, however, some new easement may be required between Llama Lane and Tana Lane. This alternative also comprises construction of a greater length of new main, increasing the likelihood of logistical complications for planning and construction. Therefore, this alternative is ranked 2 in terms of technical and logistical feasibility.

b. Operation and Maintenance Complexity

The City of Livingston maintains many residential communities and businesses within their service area. Limited resources and manpower must be sufficient to maintain all service connections within the City. Therefore, it is desirable to optimize the complexity of operation and maintenance procedures to minimize impact to available staffing and associated technical expertise. An ideal alternative will minimize O&M complexities to avoid unnecessary strain.

Alternatives L-2 and L-3 represent similar O&M requirements. The overall complexities of these two alternatives also are similar. Alternatives L-2 and L-3 have been ranked equally in terms of operations and maintenance complexities.

c. Public Health and Safety

The purpose of the improvements to the water distribution system connection from the City water system to the Green Acres Subdivision distribution network is to provide greater access to clean and reliable water.

Both Alternatives L-2 and L-3 eliminate the aging and potentially leaking main along Bickford Lane and sufficiently create an alternative second connection between the existing City water system at East Gallatin Street and the communities to the north. Therefore, both Alternatives L-2 and L-3 have been ranked 1 in terms of public health and safety.

d. Environmental Impacts

Each alternative is expected to impact the surrounding environment during construction. These environmental impacts are expected to be minor and short-term. However, the greater addition of new main for Alternative L-2 will cause the greatest disruption. Therefore, Alternative L-2 and L-3 have been ranked 2 and 1, respectively, in terms of environmental impact.

e. Public Acceptance

It is unclear at this time what the public's opinion regarding looping main alternatives is.

3. Alternative Ranking Matrix

The non-monetary were compared in an organized and systematic method. A scoring structure was implemented to impartially compare the water distribution alternatives for the proposed looping main. The alternatives were ranked 1-2 for each of the criterion. The lowest overall score indicates the most desirable option. The alternative scoring is presented in **Table 5-2**. As shown in the table below, **Alternative L-3: Bickford Lane Connection is considered the most ideal connection looping main alternative**.

Table 5-2
Looping Main Alternative Decision Ranking Matrix

Alt.	Life Cycle Cost	Technical and Logistical Feasibility	O&M Complexity	Public Health and Safety	Environmental Impacts	Public Acceptance	Total	Ranking
L-2	_	2	1	1	2	_	6	_
L-3	_	1	1	1	1	_	4	_

C. MONTAGUE MAIN ALTERNATIVES

Three alternatives for the Montague Subdivision were discussed in Chapter 4. Alternative M-1: No Action was considered not feasible. Alternative M-1 proposes no changes to the existing system and does not supply connection from the City water system and the Montague Subdivision. Therefore, the M-1 alternative has been eliminated from further consideration. The following sections compares the remaining two alternatives with respect to the above-mentioned criterion. Each alternative was given a score with the lower scores representing the most desirable alternative. Scores for each criterion were summed together in the decision matrix; the lowest total score indicates the most advantageous project for the Montague Subdivision.

1. Life Cycle Cost Analysis

Life Cycle Cost Analysis will be completed for the final draft.

2. Non-Monetary Factors

The alternative analysis includes consideration of non-monetary factors such as technical and logistical feasibility, operations and maintenance complexity, public health and safety,

environmental impacts, and public acceptance. The following discussion evaluates the remaining two alternatives with respect to each criterion. Each looping connection alternative has been ranked 1-2 for each criterion, with 1 indicating the most desirable option.

a. Technical and Logistical Feasibility

Technical and logistical feasibility considers factors such as permitting requirements, land acquisition, and technical practicality of the project. The two remaining looping main connection alternatives are both considered technically feasible. Preliminary designs apply typical industry standards and meet applicable design requirements.

Alternative M-2 is considered the most logistically feasible option. This alternative proposes to construct all new mains within the existing roadway. This will simplify construction practices For these reasons, Alternative M-2 has been ranked 1 in terms of technical and logistical feasibility.

Alternative M-3 proposes to construct all new mains within the Montague Subdivision alleyways. While technically feasible, alleyway construction could present some additional challenges in design and construction. Therefore, this alternative is ranked 2 in terms of technical and logistical feasibility.

b. Operation and Maintenance Complexity

The City of Livingston maintains many residential communities and businesses within their service area. Limited resources and manpower must be sufficient to maintain all service connections within the City. Therefore, it is desirable to optimize the complexity of operation and maintenance procedures to minimize impact to available staffing and associated technical expertise. An ideal alternative will minimize O&M complexities to avoid unnecessary strain.

Alternatives M-2 and M-3 represent similar O&M requirements. The overall complexities of these two alternatives are not substantially different. Therefore, Alternatives M-2 and M-3 have both been ranked 1 in terms of operations and maintenance complexities.

c. Public Health and Safety

The purpose of creating a connection from the City of Livingston water system and the Montague Subdivision is to provide greater access to clean and reliable water to the Montague Subdivision.

Both Alternatives M-2 and M-3 effectively create a connection from The City system to the Montague Subdivision. The preliminary design of each of the two alternatives represents adequate looping and minimal dead-ends. Therefore, both Alternatives M-2 and M-3 have been ranked 1 in terms of public health and safety.

d. Environmental Impacts

Each alternative is expected to impact the surrounding environment during construction. These environmental impacts are expected to be minor and short-term. The impact of both alternatives is expected to be similar. Therefore, Alternative M-2 and M-3 have been ranked 1, in terms of environmental impact.

e. Public Acceptance

Conversations with City staff and community members has indicated M-2 is preferred. Therefore, Alternatives M-2 and M-3 have been ranked 1 and 2, respectively in terms of public acceptance.

3. Alternative Ranking Matrix

Both the non-monetary and life cycle costs were compared in an organized and systematic method. A scoring structure was implemented to impartially compare the Montague Subdivision looping main alternatives. The alternatives were ranked 1-2 for each of the criterion. The lowest overall score indicates the most desirable option. The alternative scoring is presented in Table 5-3. As shown in the table below, **Alternative M-2: Montague Streets is currently considered the most ideal Montague Streets Looping Mains alternative**.

Table 5-3
Montague Subdivision Alternative Decision Ranking Matrix

Alt.	Life Cycle Cost	Technical and Logistical Feasibility	O&M Complexity	Public Health and Safety	Environmental Impacts	Public Acceptance	Total	Ranking
M-2	_	1	1	1	1	1	5	_
M-3	_	2	1	1	1	2	7	_

D. SLEEPING GIANT COMMUNITY

Five looping alternatives for the Sleeping Giant Community were discussed in Chapter 4. Alternative S-1: No Action was considered not feasible. Alternative S-1 proposes no changes to the existing system and does not supply connection from the City water system and the Sleeping Giant Estates. Therefore, the S-1 alternative has been eliminated from further consideration. The following sections compares the remaining four alternatives with respect to the above-mentioned criterion. Each alternative was given a score with the lower scores representing the most desirable alternative. Scores for each criterion were summed together in the decision matrix; the lowest total score indicates the most advantageous project for the Sleeping Giant community.

1. Life Cycle Cost Analysis

Life Cycle Cost Analysis will be completed for the final draft.

2. Non-Monetary Factors

The alternative analysis includes consideration of non-monetary factors such as technical and logistical feasibility, operations and maintenance complexity, public health and safety, environmental impacts, and public acceptance. The following discussion evaluates the remaining two alternatives with respect to each criterion. Each looping connection alternative has been ranked 1-4 for each criterion, with 1 indicating the most desirable option.

a. Technical and Logistical Feasibility

Technical and logistical feasibility considers factors such as permitting requirements, land acquisition, and technical practicality of the project. The four remaining alternatives are all considered technically feasible. Preliminary designs apply typical industry standards and meet applicable design requirements.

Alternative S-2 is considered the logistically feasible option. Alternative S-2 represents the simplest alignment option, and therefore minimizes potential logistical or technical complications during design and construction. Therefore, Alternative S-2 has been ranked 1 in terms of technical and logistical feasibility.

Alternative S-3 proposes to construct new mains within the existing roadway. This alternative represents a slightly more complex alignment option as it incorporates a duplicate main running north-south along Garnier Avenue between McCaw Street and Frank Street. Therefore, Alternative S-3 has been ranked 2 in terms of technical and logistical feasibility.

Alternatives S-4 and S-5 propose the construction of new main along the access drive bisecting the Sleeping Giant Community. S-5 includes the addition of a duplicate main running north-south along Garnier Avenue between McCaw Street and Frank Street. Both these alternatives represent more complex alignment options and may present more logical or technical complications during design and construction. Therefore, Alternatives S-4 and S-5 have been ranked 3 and 4, respectively in terms of technical and logistical feasibility.

b. Operation and Maintenance Complexity

The City of Livingston maintains many residential communities and businesses within their service area. Limited resources and manpower must be sufficient to maintain all service connections within the City. Therefore, it is desirable to optimize the complexity of operation and maintenance procedures to minimize impact to available staffing and associated technical expertise. An ideal alternative will minimize O&M complexities to avoid unnecessary strain. Each of the remaining four alternatives are considered to be similar in terms of operation and maintenance complexity. All 4 remaining Sleeping Giant Estates alternatives been equally ranked 1 in terms of operations and maintenance complexities.

Alternative S-2 represents the simplest pipe alignment alternative and incorporates the fewest locations at which a valve will be installed. Alternative S-2 is considered the most ideal alternative in terms of operation and maintenance complexity. Therefore, Alternative S-2 had been ranked 1 in terms of operations and maintenance complexity.

Alternative S-3 includes a slightly greater number of valves and a more complex design layout than alternative S-2 and has been ranked 2 in terms of operation and maintenance complexity.

Alternatives S-4 and S-5 are more considerably more complex design layout alternatives than S-2, both incorporating segments passing through the Sleeping Giant Community. Alternatives S-4 and S-5 have been ranked 3 and 4 in terms of operations and maintenance complexity.

c. Public Health and Safety

The purpose of creating a connection from the City of Livingston water system and the Sleeping Giant Community is to provide greater access to clean and reliable water to the Sleeping Giant Community.

All of the remaining four alternatives effectively create a connection from The City system to the Sleeping Giant Community. The preliminary design of each of the four alternatives represents adequate looping and minimal dead-ends. Therefore, each of the four alternatives have been ranked 1 in terms of public health and safety.

d. Environmental Impacts

Each alternative is expected to impact the surrounding environment during construction. These environmental impacts are expected to be minor and short-term. The impact of all of the remaining four alternatives have been equally ranked 1 in terms of operations and maintenance complexities.

e. Public Acceptance

Conversations with City staff and community members has Alternative S-4 is desired.

3. Alternative Ranking Matrix

Both the non-monetary and life cycle costs were compared in an organized and systematic method. A scoring structure was implemented to impartially compare the Sleeping Giant Community alternatives. The alternatives were ranked 1-4 for each of the criterion. The lowest overall score indicates the most desirable option. The alternative scoring is presented in **Table 5-4.** As shown in the table below, **Alternative S-4: Frank Garnier Street Connection is currently considered the most ideal Sleeping Giant Estates alternative**.

Table 5-4
Sleeping Giant Estates Alternative Decision Ranking Matrix

Alt.	Life Cycle Cost	Technical and Logistical Feasibility	O&M Complexity	Public Health and Safety	Environmental Impacts	Public Acceptance	Total	Ranking
S-2	_	1	1	1	1	3	7	_
S-3	_	2	1	1	1	3	8	_
S-4	_	3	1	1	1	1	7	_
S-5	_	4	1	1	1	3	10	_

6.0 PROPOSED PROJECT

A. PRELIMINARY PROJECT DESIGN

The recommended projects include the following:

- Alternative G-3: Green Acres Expansion
- Alternative M-2: Montague Streets
- Alternative S-4: McCaw/Frank Street Connection

1. Description

Improvements to the Green Acres Subdivision includes replacing the existing 6-inch ductile iron water mains with new 8-inch PVC mains. In addition to replacing the existing mains, a new section of 8-inch PVC main is also proposed to extend north from Pine Street along Chestnut Lane and A new 8-inch PVC main along Tana Lane. Valving is including throughout the replacement area to allow for better isolation. The proposed project within Montague Subdivision will install a new 8-inch main east-west on Arbor Drive and Grandview Boulevard, and north-south on Garnier Avenue, Hefferlin Avenue, and Whiskey Creek Road. The new mains would connect to the existing City of Livingston water system on Garnier Avenue and Frank Street, Garnier Avenue and Allspaugh Street, and Hefferlin Avenue and Allspaugh, as well as within the Green Acres Subdivision. New 8-inch PVC mains will be installed within Sleeping Giant Estates. Mains will be installed north along Miles Lane North from East Gallatin Street to Brookstone Street, east from Miles Lane North along Miller Street between Miles Lane North and Garnier Avenue, and west along McCaw Street from Garnier Avenue to the access drive through the Sleeping Giant Estates and north along the access drive from McCaw Street to Frank Street. Reference **Figure 6-1** for proposed improvements.

2. Design Criteria

The proposed improvements were included in the City's WaterCAD model to assess the hydraulic implications of the improvements. Max day demands were assigned based on the existing number of units per lot, assuming 2.5 persons per unit and an average usage of 127.5 gpd per person. Vacant lot demands were assigned using the City of Livingston's assigned zoning and projected unit density correlated with each zone. The projected unit density was also correlated to a proposed population of 2.5 persons per unit and an average day demand of 127.5 gpd per person. Max day demands were calculated by multiplying average day demands by the peak hour factor of 2.36. Max day demand calculations are included in the **Appendix 2-1**. Projected max day demands resulted in a calculated minimum pressure value of 73 psi in the project area while supplying max day demands. Fire flow calculations performed via the EPS solver indicated a minimum residual pressure of 20 psi can be retained while delivering a minimum fire flow of 2,331 gpm in the project area. WaterCAD reports corresponding to Fire flow and pressures are included in **Appendix 6-1**. See **Figure 6-2** for Junctions color coded by system pressures while supplying max day demands.

NOT FOR CONSTRUCTION

LEGEND

- NEW 8-INCH
- EXISTING MAIN
- EXISTING HYDRANT
- EXISTING VALVE
- EXISTING WELL
- NEW HYDRANT
- NEW VALVE

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

PROPOSED PROJECT MAP

FIGURE 6-1 B24-011-FINAL PROJECT.DWG

JOB NO: B24-011
FIELDBOOK:
DATE:
QUALITY CHECK: NNR
DESIGNED BY: JEM
DRAWN BY:

TD&H Engineering
406.586.0277 • tdhengineering.com
234 E. BABCOCK ST., SUITE 3 • BOZEMAN, MONTANA 59715

REV	DATE	REVISION

NOT FOR CONSTRUCTION

COLOR CODING LEGEND
JUNCTION PRESSURE (PSI)

- 0–20 PSI
- 21–50 PSI
- 51–60 PSI
- 61–80 PSI
- 81–90 PSI
- 91–110 PSI
- GREATER THAN 110 PSI

NOT FOR CONSTRUCTION

NOT FOR CONSTRUCTION

211

REV	DATE	REVISION

TD&H Engineering
406.586.0277 • tdhengineering.com
234 E. BABCOCK ST., SUITE 3 • BOZEMAN, MONTANA 59715

DRAWN BY:	JEM
DESIGNED BY:	
QUALITY CHECK:	NMR
DATE:	
JOB NO.	B24-011
FIELDBOOK	

LIVINGSTON REGIONAL WATER SYSTEM PER
LIVINGSTON, MONTANA

WATERCAD RESULTS - PRESSURES
SELECTED PROJECT

B24-011-FIG 6-2.DWG

FIGURE 6-2

B. PERMIT REQUIREMENTS AND ENVIRONMENTAL IMPACTS

A stormwater pollution prevention plan (SWPPP) and Notice of Intent (NOI) are anticipated. DEQ plan and specification approvals, approval from funding agencies, and the City of Livingston approval of plans and specifications will be required prior to construction.

Letters regarding environmental issues were sent to the following agencies requesting comments on the proposed project:

- United States Army Corp of Engineers
- Bureau of Land Management
- Department of Environmental Quality
- Department of Natural Resources and Conservation
- United States Environmental Protection Agency
- US Fish and Wildlife Service
- Natural Resources Conservation Service
- Montana Fish, Wildlife and Parks
- State Historic Preservation Office

C. SUSTAINABILITY CONSIDERATIONS

i. Water and Energy Efficiency

Replacing potentially damaged or corroded mains will eliminate water loss due to leaks in the pipe or fittings. Additionally eliminating dead ends in the system will allow for disinfectant residual to remain at optimal levels and will no longer require the system to be manually flushed periodically.

Expansion of the existing public water system into the Montague Subdivision and Green Acres Estates will decrease use of private wells, would create a single, unified, public source, and thereby eliminate inefficient water and energy usage associated with multiple private water sources.

ii. Green Infrastructure

Storm water management with regard to the proposed project is not applicable.

iii. Other

Replacement of aging mains with inadequate isolation will allow for more manageable repair and maintenance of the system and allows for optimal constructability of expansions for the system in the future

D. TOTAL PROJECT COST ESTIMATE

Table 6-1 presents a summary of the construction, contingency, administrative, engineering, and legal costs estimates for the proposed project.

Table 6-1 Recommended Project Cost Summary				
Category	Alternative G-3	Alternative M-2	Alternative S-4	Category Total
Construction & Inflation	$2,383,106	$1,321,358	$807,796	$4,512,260
Contingency	$238,311	$132,136	$80,780	$451,226
Administrative, Engineering, and Legal	$524,283	$304,532	$177,715	$1,006,531
Totals	**$3,145,700**	**$1,758,026**	**$1,066,291**	**$5,970,017**

E. ANNUAL OPERATING BUDGET

The proposed annual O&M budget for the District's sanitary sewer system, including collection and treatment, is presented in **Table 6-2**.

Table 6-2 Operation and Maintenance Budget		
Operating Expense	**Annual Budget**	
Payroll	$	416,468.38
Repairs and Maintenance	$	200,750.78
Utilities	$	154,602.56
Safety and Risk Management	$	1,002.51
Professional Services	$	1,211.35
Water Analysis and Treatment	$	15,333.76
Travel/Lodging/Meals	$	147.40
Training Services	$	415.79
State Fee Assessment	$	8,530.50
Total	**$**	**798,463.04**

APPENDIX 1-A
UNIFORM ENVIRONMENTAL CHECKLIST
(Not included with Draft)

APPENDIX 1-B
ENVIRONMENTAL RESOURCE

USGS Map

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

LIVINGSTON QUADRANGLE
MONTANA-PARK CO.
7.5-MINUTE SERIES

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 12T
10 000-foot ticks: Montana Coordinate System of 1983

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, November 2015
Roads..... U.S. Census Bureau, 2015 - 2016
Names.....GNIS, 2016
Hydrography.....National Hydrography Dataset, 2015
Contours.....National Elevation Dataset, 2001
Boundaries.....Multiple sources; see metadata file 1972 - 2016
Public Land Survey System.....BLM, 2016
Wetlands.....FWS National Wetlands Inventory 1977 - 2014

UTM GRID AND 2017 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
0° 19' 6 MILS
11° 45' 209 MILS

U.S. National Grid
100,000-m Square ID
WR
Grid Zone Designation
12T

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.19

MONTANA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES
1 Gobblers Knob
2 Chadborn
3 Grannis
4 Hoppers
5 Mission
6 Chimney Rock
7 Brisbin
8 Livingston Peak

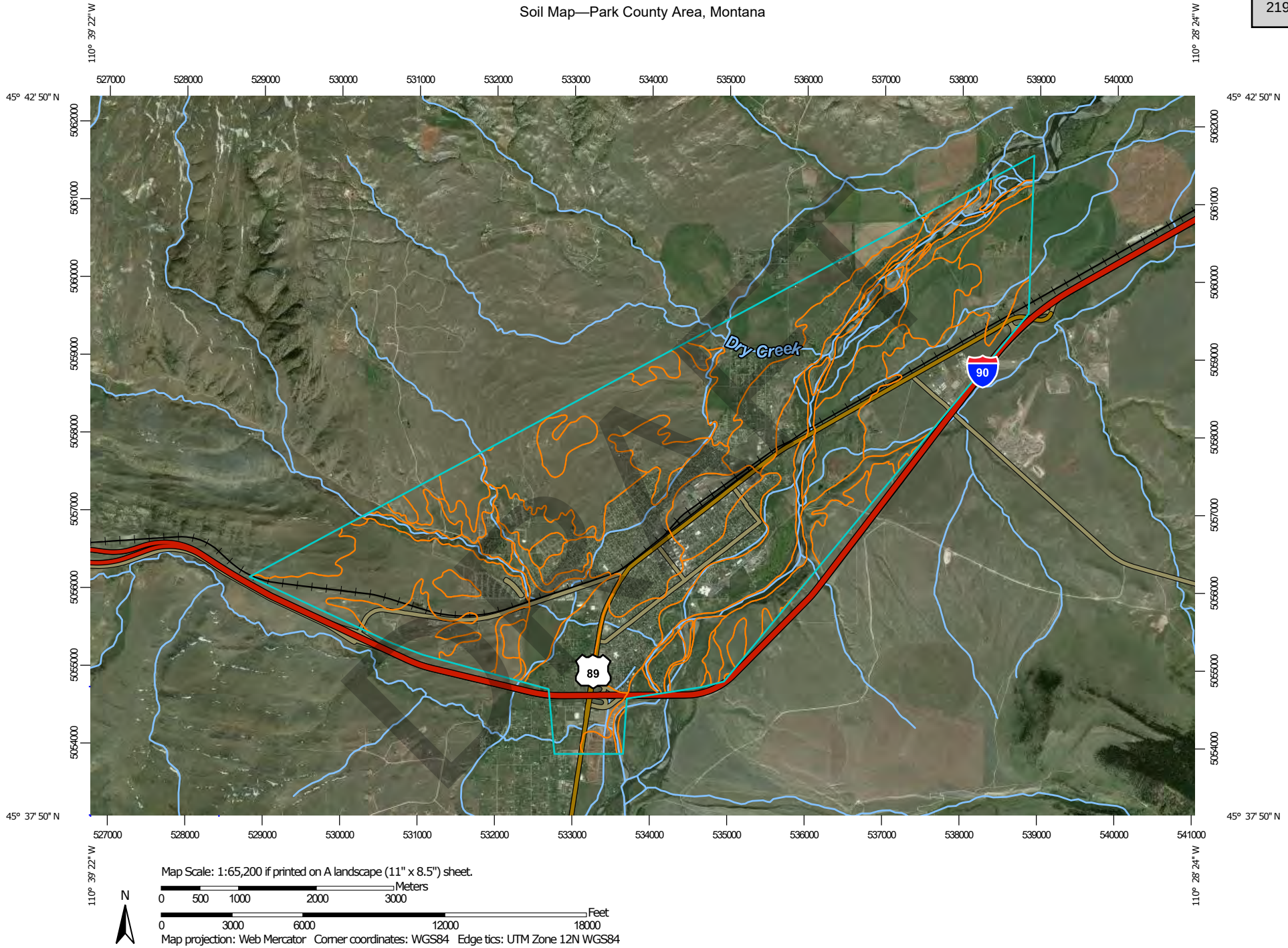
ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

LIVINGSTON, MT
2017

NSN 7643016937114 3
NGA REF NO. USGSX24K26124

NRCS WSS Soil Map

Soil Map—Park County Area, Montana



MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Park County Area, Montana
Survey Area Data: Version 12, Jun 4, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 3, 2009—Sep 1, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
4B	Kremlin-Rothiemay complex, 0 to 4 percent slopes	159.8	2.1%
11A	Urban land-Glendive, occasionally flooded-Rivra , occasionally flooded complex, 0 to 2 percent slopes	344.1	4.6%
12B	Ethridge-Urban land-Kremlin complex, 0 to 4 percent slopes	453.5	6.0%
57B	Kremlin clay loam, 0 to 4 percent slopes	171.2	2.3%
58A	Beaverell-Beavwan complex, 0 to 2 percent slopes	1,116.9	14.8%
111A	Beaverell-Urbanland-Beavwan complex, 0 to 2 percent slopes	193.2	2.6%
302A	Glendive-Meadowcreek-Clunton complex, 0 to 4 percent slopes, occasionally flooded	99.1	1.3%
602A	Glendive-McCabe-Rivra complex, 0 to 2 percent slopes, occasionally flooded	808.0	10.7%
720B	Cozdome-Vendome loams, 0 to 4 percent slopes	272.8	3.6%
1216A	Riverwash-Rivra complex, 0 to 2 percent slopes	57.9	0.8%
1218B	Vendome-Meadowcreek complex, 0 to 4 percent slopes	265.0	3.5%
1303D	Nirling-Clunton complex, 0 to 10 percent slopes, occasionally flooded	62.9	0.8%
2202C	Ethridge-Kremlin-Yamacall complex, 0 to 8 percent slopes	601.9	8.0%
2205C	Meagher-Shawmut complex, 2 to 8 percent slopes	91.9	1.2%
2207C	Trimad-Trimad stony complex, 0 to 8 percent slopes	32.8	0.4%
5401D	Ethridge-Tanna-Reedpoint complex, 2 to 15 percent slopes	964.0	12.8%
5407E	Evanston-Ethridge complex, 2 to 15 percent slopes	90.3	1.2%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5501E	Bacbuster-Bigbear-Vershal complex, 4 to 35 percent slopes	98.8	1.3%
5502E	Reedpoint-Tanna-Ethridge complex, 4 to 35 percent slopes	930.4	12.3%
5601F	Cabbart-Tanna-Rock outcrop complex, 25 to 60 percent slopes	240.4	3.2%
5602F	Cabba-Doney-Rock outcrop complex, 15 to 60 percent slopes	3.7	0.0%
5619F	Bacbuster-Sawicki-Corbly complex, 15 to 60 percent slopes	209.9	2.8%
GP	Gravel pit	26.0	0.3%
W	Water	240.2	3.2%
Totals for Area of Interest		**7,534.9**	**100.0%**

FEMA Firm Maps

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 12. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum.** For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242,** or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided by the U.S. Census Bureau, Geography Division, 2009 TIGER/Line files. The coordinate system used for production of this digital FIRM is the Universal Transverse Mercator Zone 12 North, reference to North American Datum of 1983 and GRS spheroid, Western Hemisphere.
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

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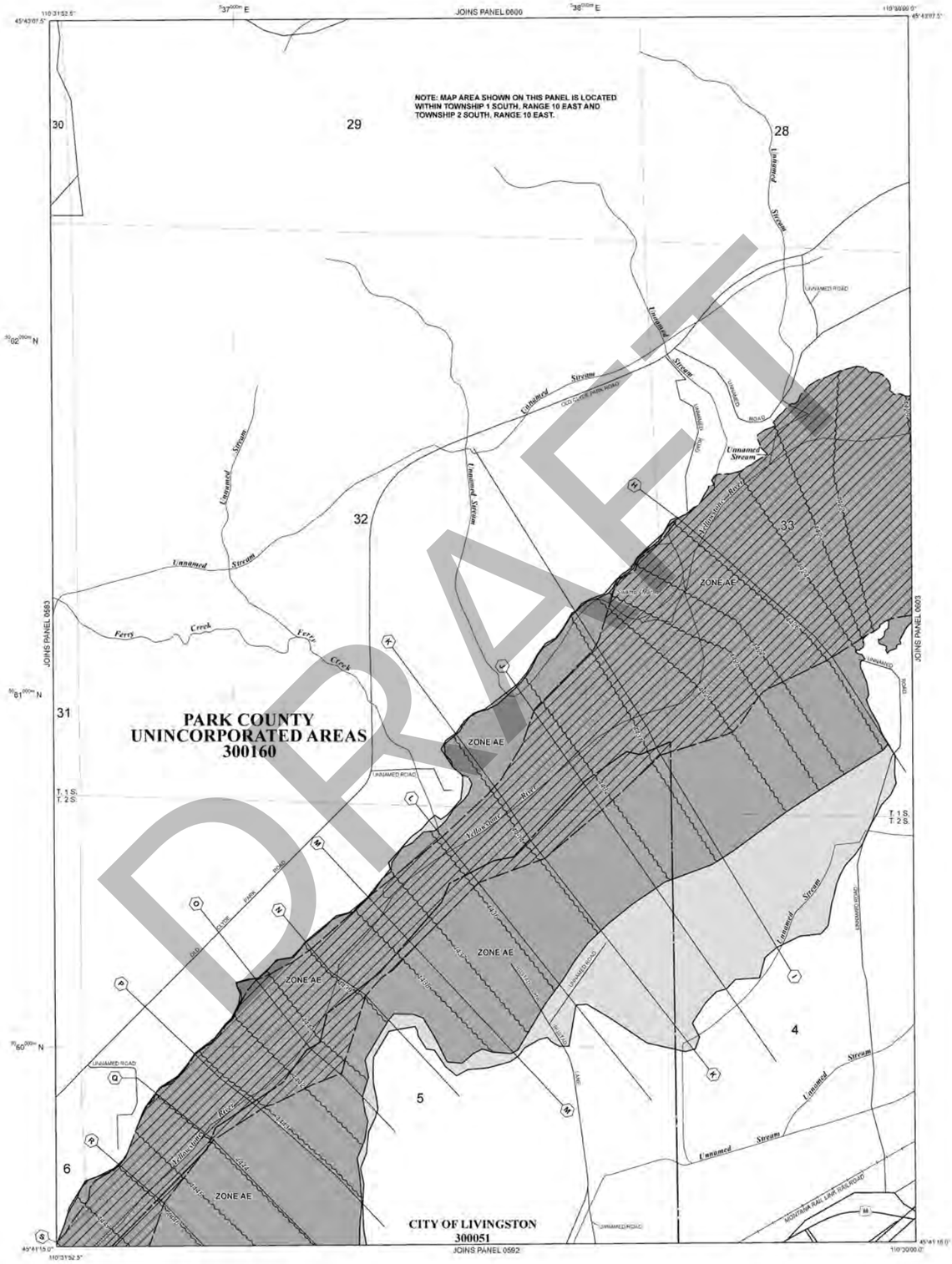

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. This Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- **ZONE A** No Base Flood Elevations determined.
- **ZONE AE** Base Flood Elevations determined.
- **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- **ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- **ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- **ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- **ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- **ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- **ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- **ZONE D** Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 Base Flood Elevation line and value; elevation in feet*
- (EL 987) Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- (A) — (A) Cross section line
- (23) - - - - (23) Transect line
- 97°07'30", 32°22'30" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
- 4279000 N 1000-meter Universal Transverse Mercator grid ticks, zone 12
- 6000000 M 5000-foot grid ticks: Alabama State Plane coordinate system, east zone (FIPSZONE 0101), Transverse Mercator
- DX5510 Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
October 18, 2011
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0584C

FIRM
FLOOD INSURANCE RATE MAP
PARK COUNTY, MONTANA AND INCORPORATED AREAS

PANEL 584 OF 1925
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PARK COUNTY	300160	0584	C
LIVINGSTON, CITY OF	300051	0584	C

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
30067C0584C
EFFECTIVE DATE
OCTOBER 18, 2011

Federal Emergency Management Agency

Figure 1-6A

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 12. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum.** For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC- 3, #9202
1315 East- West Highway
Silver Spring, MD 20910- 3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713- 3242,** or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided by the U.S Census Bureau, Geographic Division, 2009 TIGER/Line files The coordinate system used for production of the digital FIRM is the Universal Transverse Mercator Zone 12 North, reference to the North American Datum of 1983 and GRS spheroid. Western Hemisphere.
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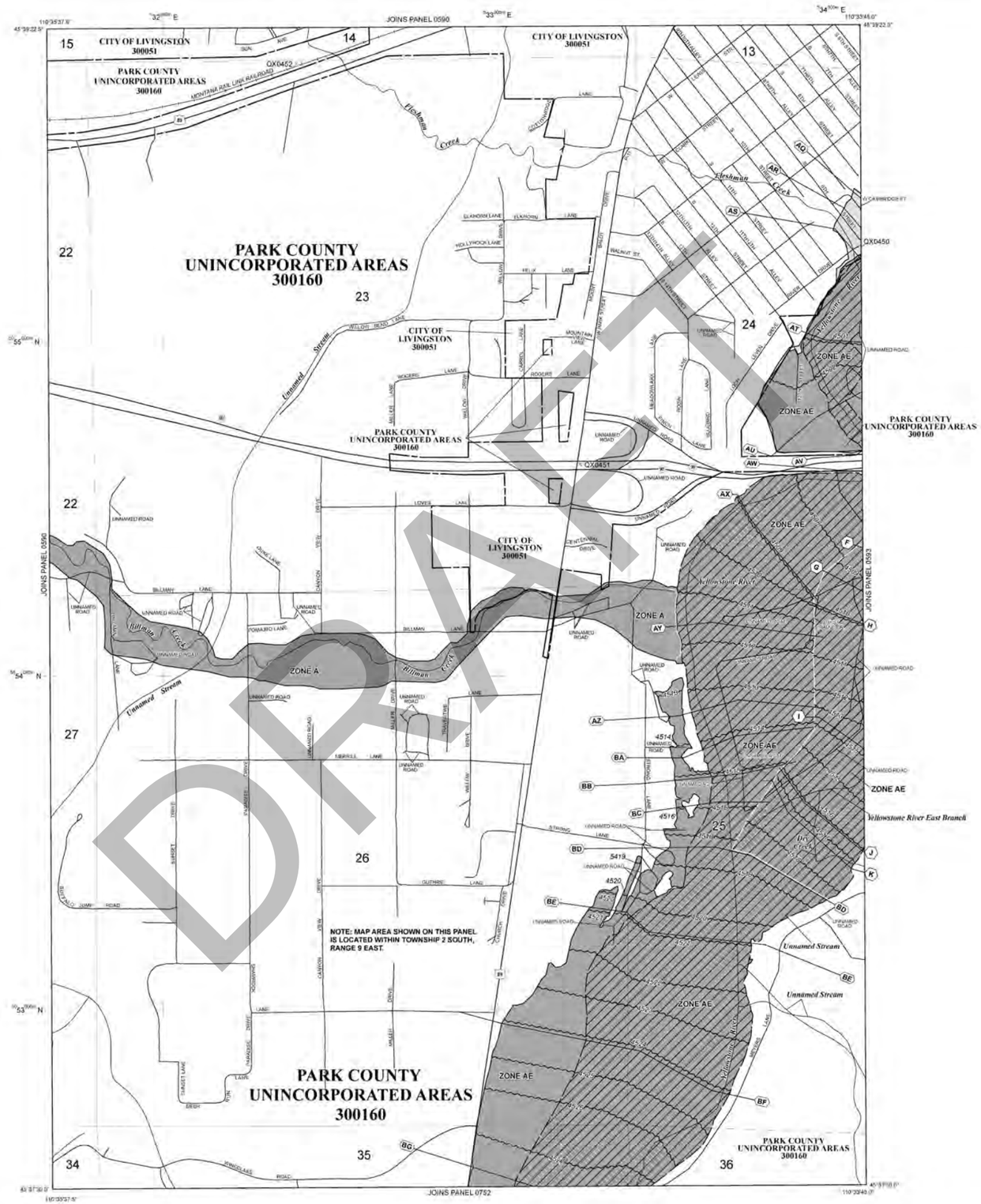
Figure 1-6B



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

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FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- **ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- **ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
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OTHERWISE PROTECTED AREAS (OPAs)

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- Floodplain boundary
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- 513 Base Flood Elevation line and value; elevation in feet*
- (EL 987) Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

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- M1.5 River Mile

MAP REPOSITORIES
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EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
October 18, 2011
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

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MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0589C

FIRM
FLOOD INSURANCE RATE MAP
PARK COUNTY, MONTANA
AND INCORPORATED AREAS

PANEL 589 OF 1925
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PARK COUNTY	300160	0589	C
LIVINGSTON, CITY OF	300051	0589	C

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
30067C0589C
EFFECTIVE DATE
OCTOBER 18, 2011

Federal Emergency Management Agency

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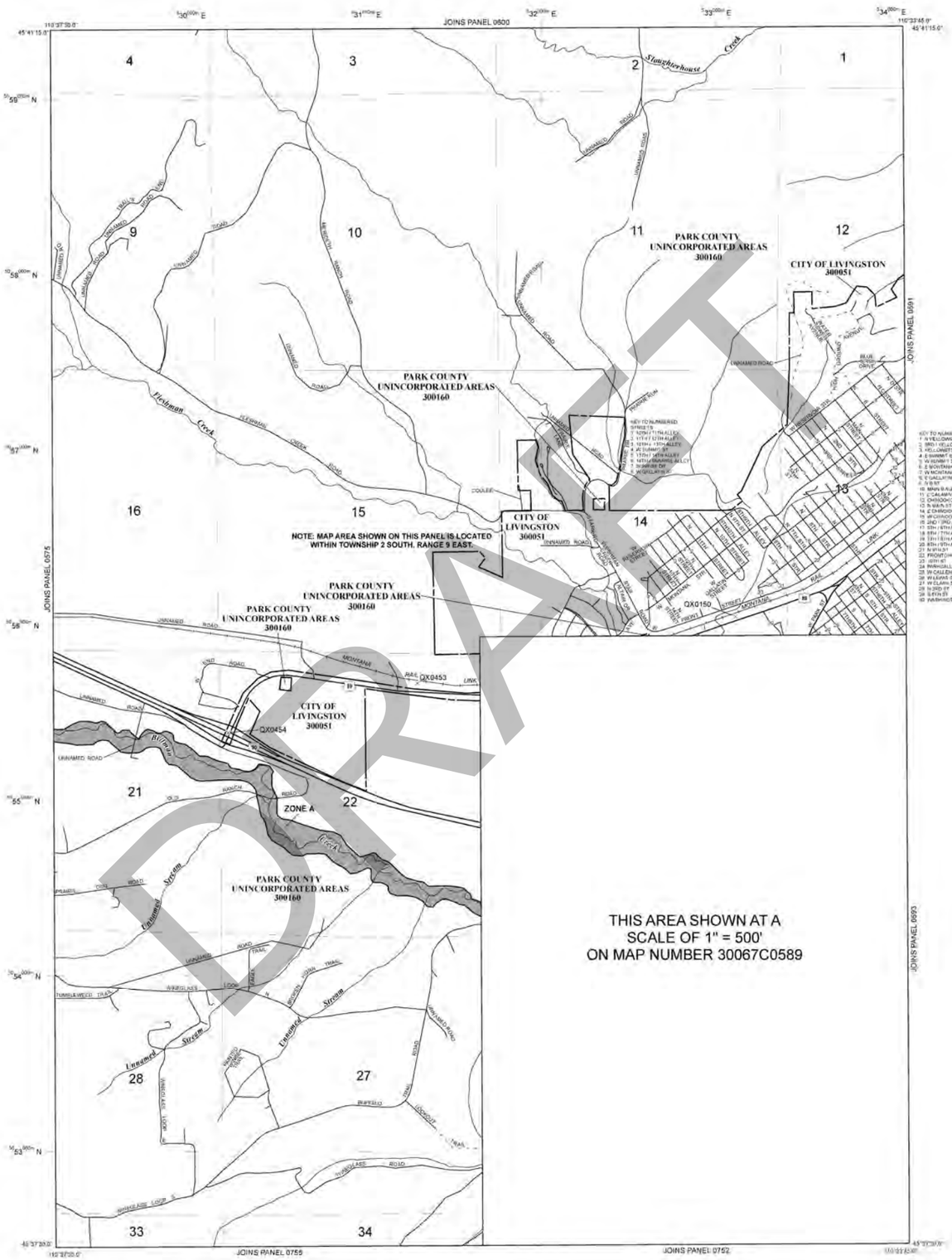

LEGEND

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FLOODWAY AREAS IN ZONE AE

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OTHER FLOOD AREAS

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OTHER AREAS

- **ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
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OTHERWISE PROTECTED AREAS (OPAs)

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MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
October 18, 2011
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

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MAP SCALE 1" = 1000'
500 0 1000 2000 FEET
300 0 300 600 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0590C

FIRM
FLOOD INSURANCE RATE MAP
PARK COUNTY, MONTANA AND INCORPORATED AREAS

PANEL 590 OF 1925
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PARK COUNTY	300067	0590	C
LIVINGSTON, CITY OF	300051	0590	C

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
30067C0590C
MAP REVISED
OCTOBER 18, 2011

Federal Emergency Management Agency

Figure 1-6C

NOTES TO USERS

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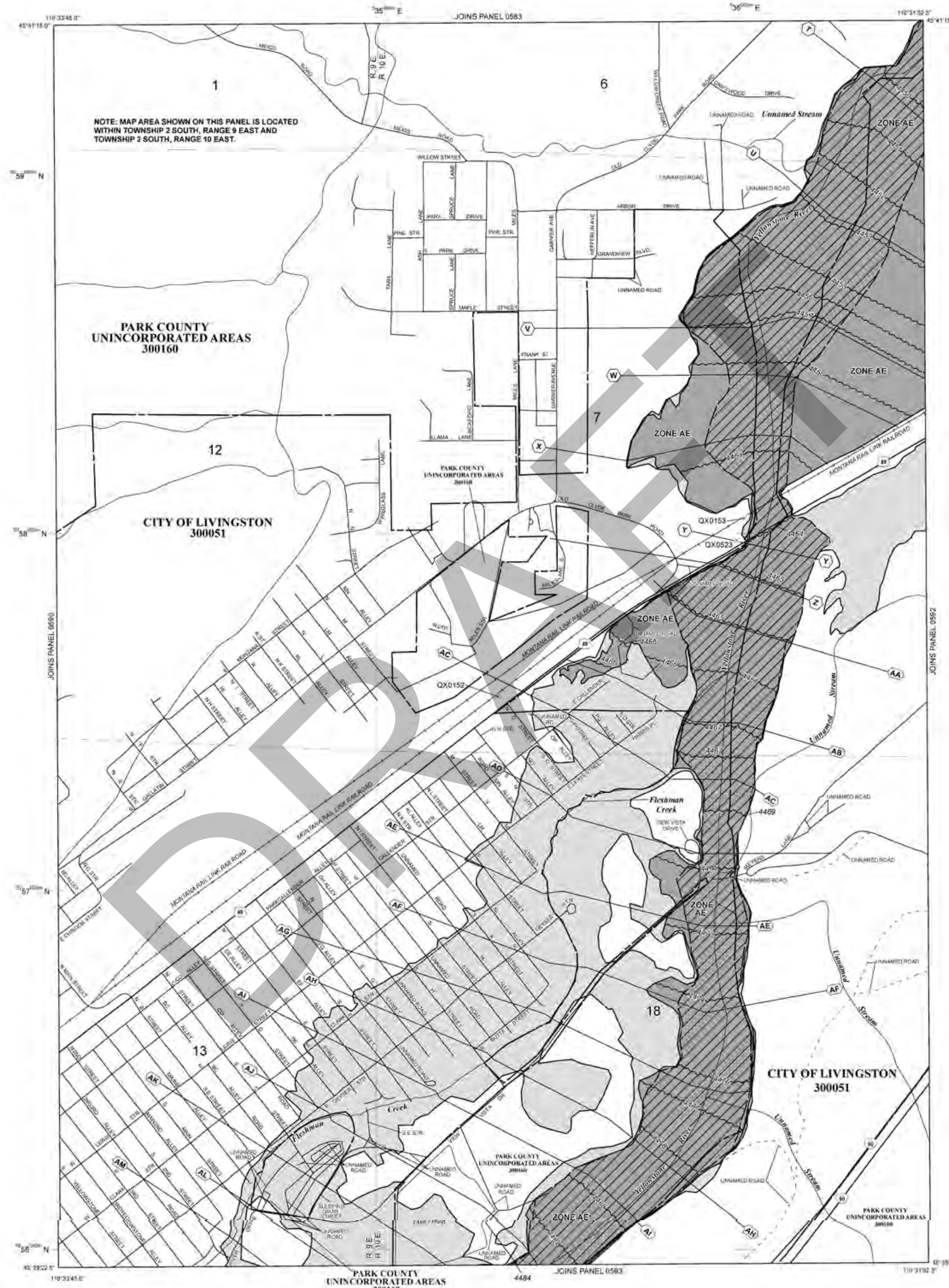
Figure 1-6D



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	Floodplain boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

(A)——(A)	Cross section line
(23)- - - -(23)	Transect line
97°07'30", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
4275000m N	1000-meter Universal Transverse Mercator grid ticks, zone 12
6000000 M	5000-foot grid ticks: Alabama State Plane coordinate system, east zone (FIPSZONE 0101), Transverse Mercator
DX5510	Bench mark (see explanation in Notes to Users section of this FIRM panel)
• M1.5	River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
October 18, 2011
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP

PANEL 0591C

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP
PARK COUNTY, MONTANA
AND INCORPORATED AREAS

PANEL 591 OF 1925
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PARK COUNTY	300160	0591	C
LIVINGSTON, CITY OF	300051	0591	C

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
30067C0591C

EFFECTIVE DATE
OCTOBER 18, 2011

Federal Emergency Management Agency

NOTES TO USERS

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Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 12. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum.** For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242,** or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided by the U.S Census Bureau, Geographic Division, 2009 TIGER/Line files. The coordinate system used for production of the digital FIRM is the Universal Transverse Mercator Zone 12 North, reference to the North American Datum of 1983 and GRS spheroid, Western Hemisphere.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

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Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a *Flood Insurance Study report*, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov/.

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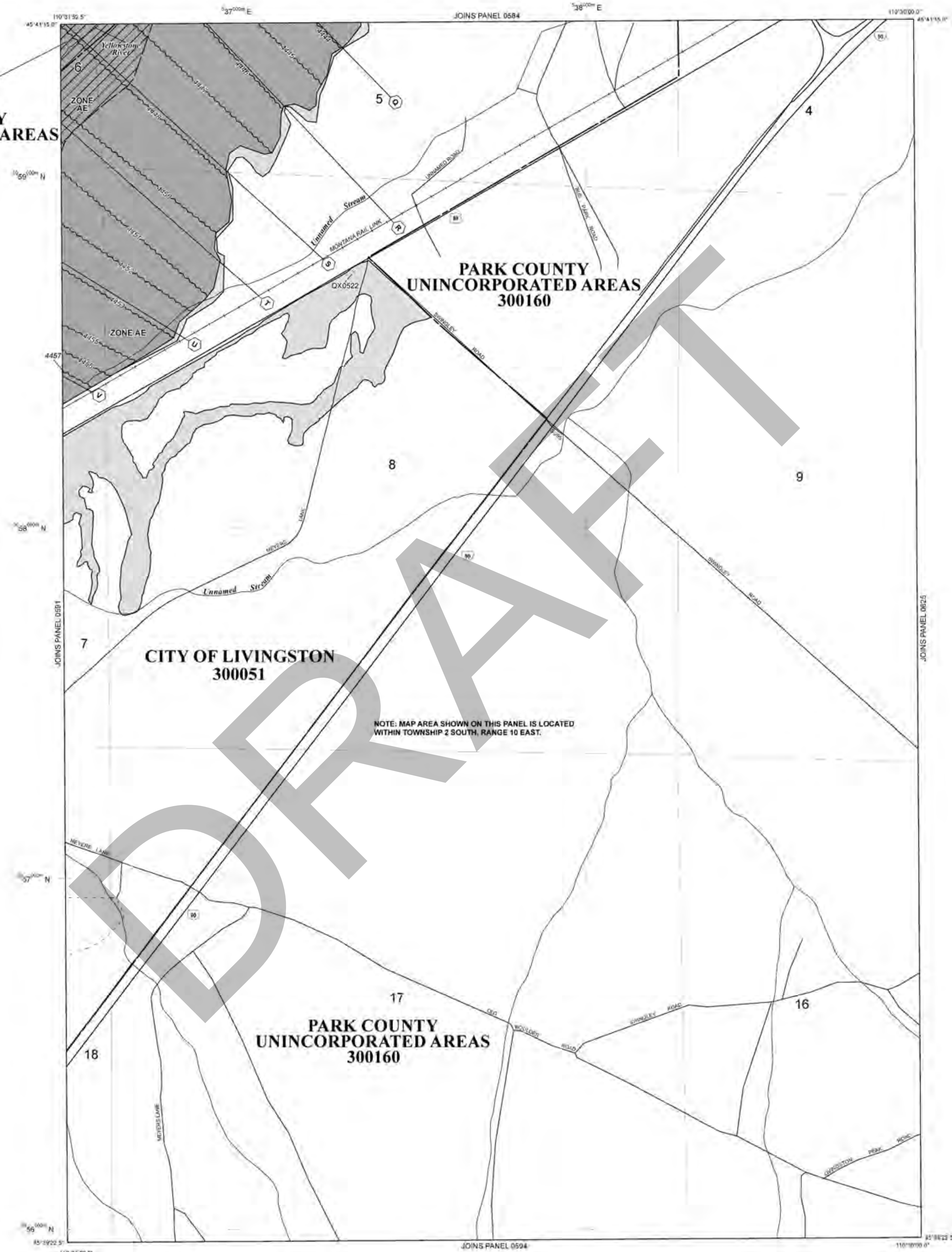
Figure 1-6E



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
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ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

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OTHER AREAS

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150 0 150 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0592C

FIRM
FLOOD INSURANCE RATE MAP

PARK COUNTY,
MONTANA
AND INCORPORATED AREAS

PANEL 592 OF 1925
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PARK COUNTY	300160	0592	C
LIVINGSTON, CITY OF	300051	0592	C

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30067C0592C

EFFECTIVE DATE
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Federal Emergency Management Agency

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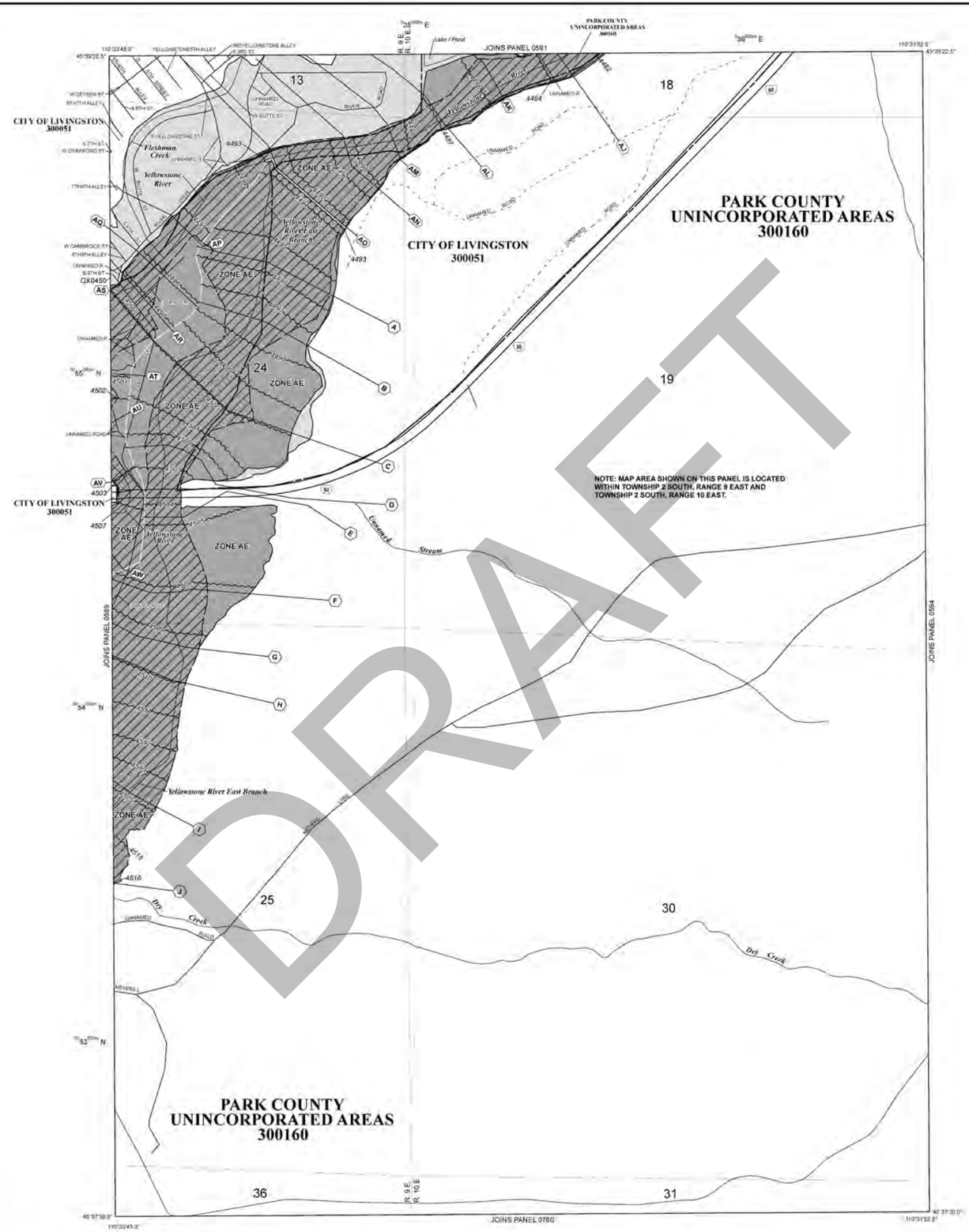

LEGEND

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OTHER AREAS

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* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- (A) — (A) Cross section line
- (23) — (23) Transect line
- 97°07'30", 32°22'30" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
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- DX5510 Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 River Mile

MAP REPOSITORIES
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EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
October 18, 2011
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

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NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0593C

FIRM
FLOOD INSURANCE RATE MAP

PARK COUNTY, MONTANA AND INCORPORATED AREAS

PANEL 593 OF 1925
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
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LIVINGSTON, CITY OF:	300051	0593	C

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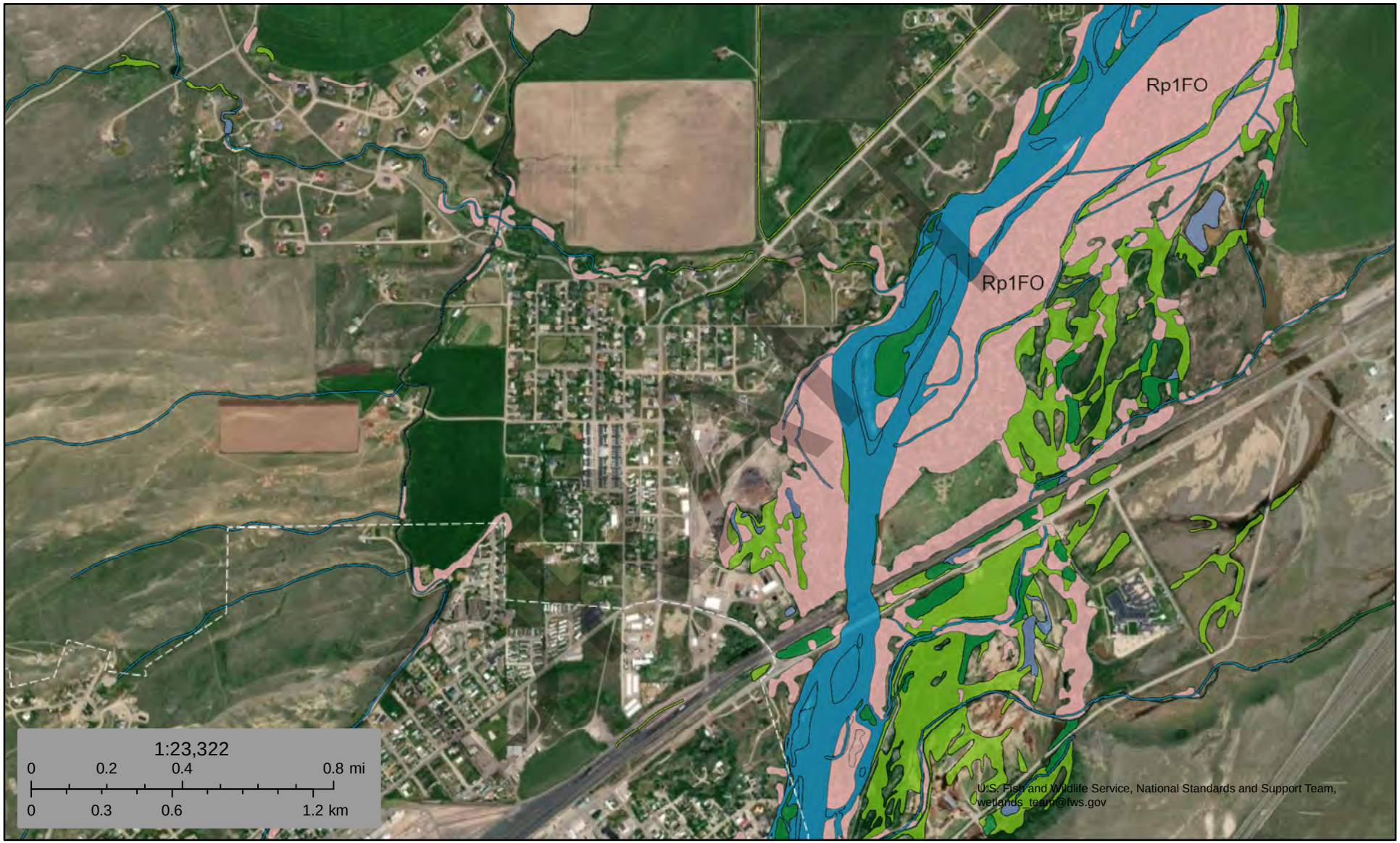
MAP NUMBER
30067C0593C

EFFECTIVE DATE
OCTOBER 18, 2011

Federal Emergency Management Agency

Figure 1-6F

Wetlands 2024 PER Area



January 25, 2024

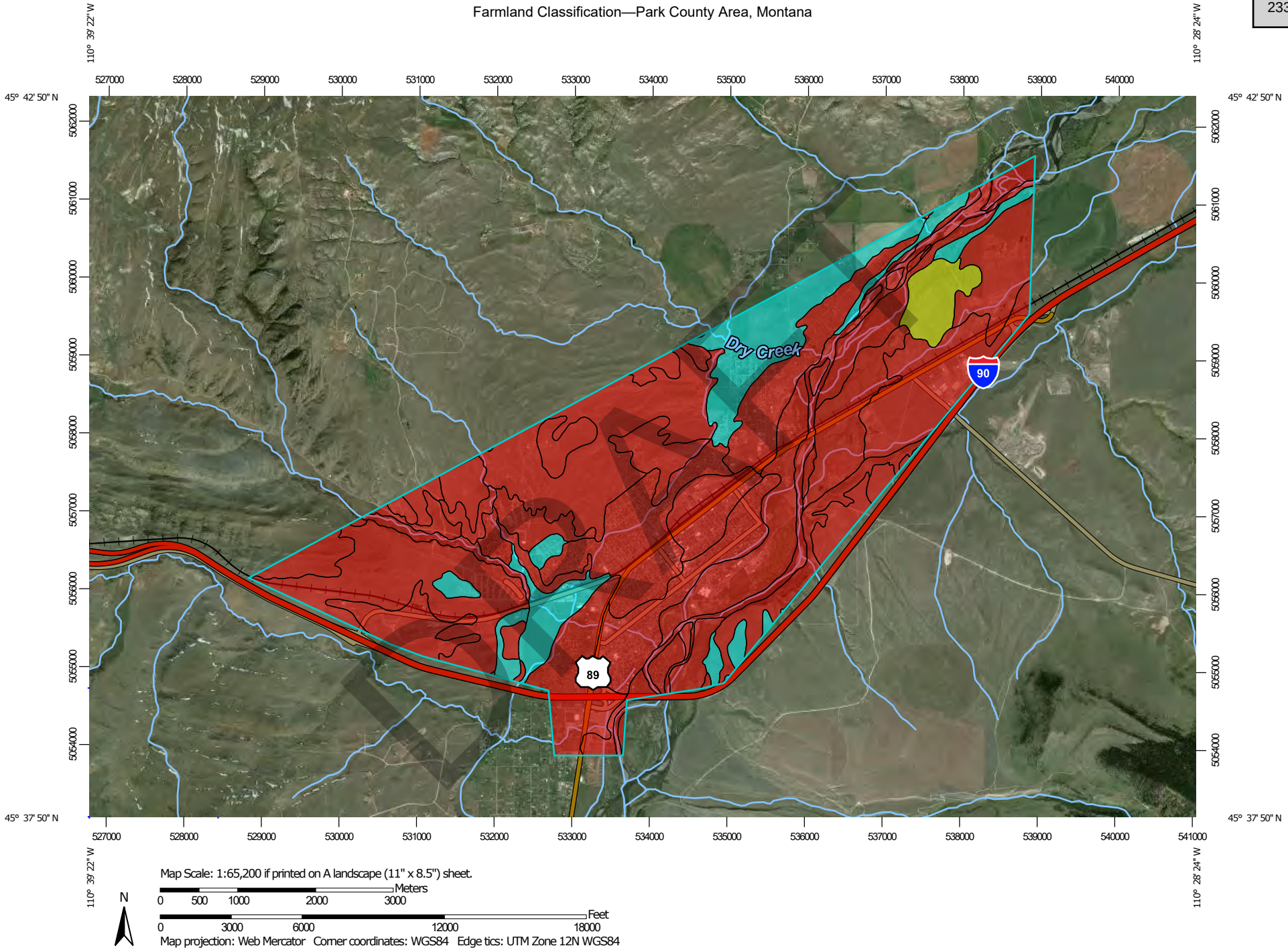
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

NRCS Farmland Classification

Farmland Classification—Park County Area, Montana



MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

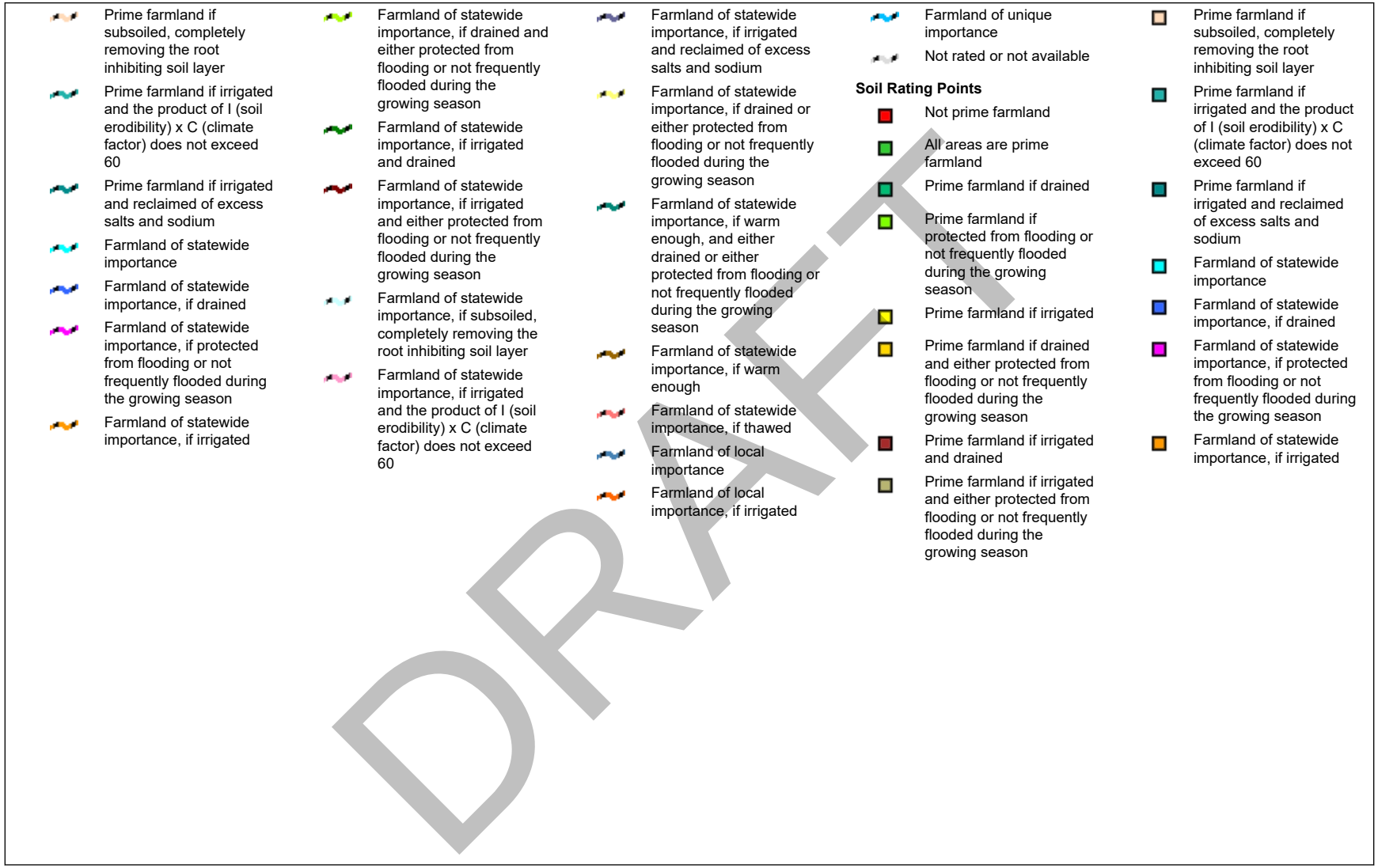
Soils

Soil Rating Polygons

- Not prime farmland
- All areas are prime farmland
- Prime farmland if drained
- Prime farmland if protected from flooding or not frequently flooded during the growing season
- Prime farmland if irrigated
- Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
- Prime farmland if irrigated and drained
- Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season
- Prime farmland if subsoiled, completely removing the root inhibiting soil layer
- Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
- Prime farmland if irrigated and reclaimed of excess salts and sodium
- Farmland of statewide importance
- Farmland of statewide importance, if drained
- Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if irrigated
- Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if irrigated and drained
- Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
- Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
- Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
- Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough
- Farmland of statewide importance, if thawed
- Farmland of local importance
- Farmland of local importance, if irrigated
- Farmland of unique importance
- Not rated or not available

Soil Rating Lines

- Not prime farmland
- All areas are prime farmland
- Prime farmland if drained
- Prime farmland if protected from flooding or not frequently flooded during the growing season
- Prime farmland if irrigated
- Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
- Prime farmland if irrigated and drained
- Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season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Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
Prime farmland if irrigated and reclaimed of excess salts and sodium
Farmland of statewide importance
Farmland of statewide importance, if drained
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Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if warm enough
Farmland of statewide importance, if thawed
Farmland of local importance
Farmland of local importance, if irrigated
Farmland of unique importance
Not rated or not available
Soil Rating Points
Not prime farmland
All areas are prime farmland
Prime farmland if drained
Prime farmland if protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated
Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated and drained
Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season
Prime farmland if subsoiled, completely removing the root inhibiting soil layer
Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
Prime farmland if irrigated and reclaimed of excess salts and sodium
Farmland of statewide importance
Farmland of statewide importance, if drained
Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if irrigated

- Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if irrigated and drained
- Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
- Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
- Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
- Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough
- Farmland of statewide importance, if thawed
- Farmland of local importance
- Farmland of local importance, if irrigated
- Farmland of unique importance
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Park County Area, Montana
Survey Area Data: Version 12, Jun 4, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 3, 2009—Sep 1, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
4B	Kremlin-Rothiemay complex, 0 to 4 percent slopes	Farmland of statewide importance	159.8	2.1%
11A	Urban land-Glendive, occasionally flooded-Rivra , occasionally flooded complex, 0 to 2 percent slopes	Not prime farmland	344.1	4.6%
12B	Ethridge-Urban land-Kremlin complex, 0 to 4 percent slopes	Not prime farmland	453.5	6.0%
57B	Kremlin clay loam, 0 to 4 percent slopes	Prime farmland if irrigated	171.2	2.3%
58A	Beaverell-Beavwan complex, 0 to 2 percent slopes	Not prime farmland	1,116.9	14.8%
111A	Beaverell-Urbanland-Beavwan complex, 0 to 2 percent slopes	Not prime farmland	193.2	2.6%
302A	Glendive-Meadowcreek-Clunton complex, 0 to 4 percent slopes, occasionally flooded	Farmland of statewide importance	99.1	1.3%
602A	Glendive-McCabe-Rivra complex, 0 to 2 percent slopes, occasionally flooded	Not prime farmland	808.0	10.7%
720B	Cozdome-Vendome loams, 0 to 4 percent slopes	Not prime farmland	272.8	3.6%
1216A	Riverwash-Rivra complex, 0 to 2 percent slopes	Not prime farmland	57.9	0.8%
1218B	Vendome-Meadowcreek complex, 0 to 4 percent slopes	Not prime farmland	265.0	3.5%
1303D	Nirling-Clunton complex, 0 to 10 percent slopes, occasionally flooded	Not prime farmland	62.9	0.8%
2202C	Ethridge-Kremlin-Yamacall complex, 0 to 8 percent slopes	Farmland of statewide importance	601.9	8.0%
2205C	Meagher-Shawmut complex, 2 to 8 percent slopes	Not prime farmland	91.9	1.2%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
2207C	Trimad-Trimad stony complex, 0 to 8 percent slopes	Not prime farmland	32.8	0.4%
5401D	Ethridge-Tanna-Reedpoint complex, 2 to 15 percent slopes	Not prime farmland	964.0	12.8%
5407E	Evanston-Ethridge complex, 2 to 15 percent slopes	Not prime farmland	90.3	1.2%
5501E	Bacbuster-Bigbear-Vershal complex, 4 to 35 percent slopes	Not prime farmland	98.8	1.3%
5502E	Reedpoint-Tanna-Ethridge complex, 4 to 35 percent slopes	Not prime farmland	930.4	12.3%
5601F	Cabbart-Tanna-Rock outcrop complex, 25 to 60 percent slopes	Not prime farmland	240.4	3.2%
5602F	Cabba-Doney-Rock outcrop complex, 15 to 60 percent slopes	Not prime farmland	3.7	0.0%
5619F	Bacbuster-Sawicki-Corbly complex, 15 to 60 percent slopes	Not prime farmland	209.9	2.8%
GP	Gravel pit	Not prime farmland	26.0	0.3%
W	Water	Not prime farmland	240.2	3.2%
Totals for Area of Interest			**7,534.9**	**100.0%**

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

USFWS Endangered Species List

United States Department of the Interior
Fish and Wildlife Service
Ecological Services
Montana Field Office
585 Shepard Way, Suite 1
Helena, Montana 59601-6287
Phone: (406) 449-5225, Fax: (406) 449-5339

ENDANGERED, THREATENED, PROPOSED AND CANDIDATE SPECIES
MONTANA COUNTIES*
Endangered Species Act

January 25, 2021

C = Candidate
LT = Listed Threatened
LE = Listed Endangered
P = Proposed
PCH = Proposed Critical Habitat
CH = Designated Critical Habitat
XN = Experimental non-essential population

*Note: Generally, this list identifies the counties where one would reasonably expect the species to occur, not necessarily every county where the species is listed

County/Scientific Name	Common Name	Status
BEAVERHEAD		
Spiranthes diluvialis	Ute Ladies' Tresses	LT
Ursus arctos horribilis	Grizzly Bear	LT
Lynx canadensis	Canada Lynx	LT
Pinus albicaulis	Whitebark Pine	P
BIG HORN		
Mustela nigripes	Black-footed Ferret	LE
BLAINE		
Scaphirhynchus albus	Pallid Sturgeon	LE
Mustela nigripes	Black-footed Ferret	LE
Charadrius melodus	Piping Plover	LT
BROADWATER		
Spiranthes diluvialis	Ute Ladies' Tresses	LT
Lynx canadensis	Canada Lynx	LT
Ursus arctos horribilis	Grizzly Bear	LT
Pinus albicaulis	Whitebark Pine	P
CARBON		
Lynx canadensis	Canada Lynx	LT, CH
Ursus arctos horribilis	Grizzly Bear	LT
Zapada glacier	Western Glacier Stonefly	LT
Pinus albicaulis	Whitebark Pine	P

County/Scientific Name	Common Name	Status
MISSOULA		
Ursus arctos horribilis	Grizzly Bear	LT
Howellia aquatilis	Water Howellia	LT
Lynx canadensis	Canada Lynx	LT, CH
Salvelinus confluentus	Bull Trout	LT, CH
Coccyzus americanus	Yellow-billed cuckoo (western pop.)	LT
Calidris canutus rufa	Red Knot	LT
Pinus albicaulis	Whitebark Pine	P
MUSSELSHELL		
PARK		
Lynx canadensis	Canada Lynx	LT, CH
Ursus arctos horribilis	Grizzly Bear	LT
Pinus albicaulis	Whitebark Pine	P
PETROLEUM		
Scaphirhynchus albus	Pallid Sturgeon	LE
Calidris canutus rufa	Red Knot	LT
PHILLIPS		
Scaphirhynchus albus	Pallid Sturgeon	LE
Charadrius melodus	Piping Plover	LT, CH
Mustela nigripes	Black-footed Ferret	LE, XN
Grus americana	Whooping Crane	LE
Calidris canutus rufa	Red Knot	LT
PONDERA		
Charadrius melodus	Piping Plover	LT
Ursus arctos horribilis	Grizzly Bear	LT
Lynx canadensis	Canada Lynx	LT, CH
Pinus albicaulis	Whitebark Pine	P
POWDER RIVER		
Grus americana	Whooping Crane	LE
Scaphirhynchus albus	Pallid Sturgeon	LE
Myotis septentrionalis	Northern Long-eared Bat	LT
POWELL		
Ursus arctos horribilis	Grizzly Bear	LT
Lynx canadensis	Canada Lynx	LT, CH
Salvelinus confluentus	Bull Trout	LT, CH
Pinus albicaulis	Whitebark Pine	P
PRAIRIE		
Scaphirhynchus albus	Pallid Sturgeon	LE
Grus americana	Whooping Crane	LE
Myotis septentrionalis	Northern Long-eared Bat	LT
Charadrius melodus	Piping Plover	LT

MTNHP-ESR-Data

MT Stat	Species Grou	Sort Or	Invasive Gr	Doc	ELCODE	Common Name	Scientific Name	Habitat	Distribution	SO Count	OBS Coun	Has I	Models	Model N Pc	Model O Pc	Model M Pc	Model L Pct	Model W Pc	Model G Pc	Model I Pct	Ranges	USFWS Sec	Global Rank	MT State Ra	USFWS	USFS	USFS_BD	USFS_BRT	USFS_CG	USFS_FLAT	USFS_HLC	USFS_KOOT	USFS_LOLO	BLM	FWP SWAP	Montana Pl	MNPS Thre	State Threa	CCVI	SO Delineat	Criteria	Last Updated
SOC	Vascular Pla	7		Occ	PDLYT01050	Scarlet Ammannia	Ammannia robusta	Wetland/Riparian	Present	1			N	88							Y		G5	S2													2	Medium	Moderatel	Individual	9/6/2017
SOC	Fish	5		Occ	AFCHA02087	Yellowstone Cutthroat Trou	Oncorhynchus clarkii bouvieri	Mountain streams, rive	Resident Year Round	7	20	Y	N	51							Y		G5T4	S2											SENSITIVE	SGCN2					Stream rea		7/25/2022
SOC	Invertebrat	6		Occ	IILEPP2010	Monarch	Danaus plexippus	Milkweed Milkweed	Migratory Summer Bre	1	1		OML		20	54	27				S		G4	S2S3	C		SM	SM				SM								Confirmed		11/2/2023
SSS	Birds	2		Occ	ABNKC10010	Bald Eagle	Haliaeetus leucocephalus	Riparian forest	Resident Year Round	5	99	Y	OML		10	15	51				Y		G5	S4	BGEPA; ME	SENSITIVE							SK	SENSITIVE			2			Confirmed		12/28/2023
SOC	Birds	2		Occ	ABPBJ18080	Veery	Catharus fuscescens	Riparian forest	Migratory Summer Bre	7	10		OML		2	32	56				SM		G5	S3B	MBTA										SENSITIVE	SGCN3	2				Observatio		12/28/2023
SOC	Birds	2		Occ	ABNNF07070	Long-billed Curlew	Numenius americanus	Grasslands	Migratory Summer Bre	8	21	Y	ML			49	49				SM		G5	S3B	MBTA; BCC										SENSITIVE	SGCN3	2				Confirmed		12/22/2023
SOC	Mammals	1		Occ	AMACC05032	Hoary Bat	Lasiurus cinereus	Riparian and forest	Migratory Summer Bre	1			ML			34	66				SM		G3G4	S3B											SENSITIVE	SGCN3					Confirmed		7/6/2023
SOC	Birds	2		Occ	ABPAV08010	Clark's Nutcracker	Nucifraga columbiana	Conifer forest	Resident Year Round	1	9	Y	ML			34	63				Y		G5	S3	MBTA	SCC					SCC					SGCN3	3				Observatio		1/12/2023
SOC	Mammals	1		Occ	AMACC08010	Townsend's Big-eared Bat	Corynorhinus townsendii	Caves in forested habit	Resident Year Round	1			ML			34	51				Y		G4	S3		SENSITIVE							SK	SENSITIVE		SGCN3					Confirmed		7/6/2023
SOC	Birds	2		Occ	ABPBX74010	Green-tailed Towhee	Pipilo chlorurus	Shrub woodland	Migratory Summer Bre	2	4		ML			32	51				SM		G5	S3B	MBTA											SGCN3	3				Confirmed		12/28/2023
SOC	Birds	2		Occ	ABPBY04030	Cassin's Finch	Haemorhous cassinii	Drier conifer forest	Resident Year Round	9	41		ML			24	56				Y		G5	S3	MBTA; BCC											SGCN3	3				Observatio		6/30/2023
SOC	Birds	2		Occ	ABPBY09020	Evening Grosbeak	Coccothraustes vespertinus	Conifer forest	Resident Year Round	13	40		ML			24	32				YWM		G5	S3	MBTA; BCC											SGCN3					Confirmed		12/28/2023
SOC	Mammals	1		Occ	AMACC01010	Little Brown Myotis	Myotis lucifugus	Generalist	Resident Year Round	1			ML			20	76				Y		G3G4	S3		SENSITIVE	SK		SK				SK			SGCN3					Confirmed		7/6/2023
SOC	Birds	2		Occ	ABNKC22010	Golden Eagle	Aquila chrysaetos	Grasslands	Resident Year Round	4	32	Y	ML			10	54				Y		G5	S3	BGEPA; ME										SENSITIVE	SGCN3					Confirmed		9/21/2023
SOC	Birds	2		Occ	ABPBX94040	Brewer's Sparrow	Spizella breweri	Sagebrush	Migratory Summer Bre	5	3	Y	ML			5	63				SM		G5	S3B	MBTA										SENSITIVE	SGCN3	2				Confirmed		12/28/2023
SOC	Birds	2		Occ	ABNJB02030	Trumpeter Swan	Cygnus buccinator	Lakes, ponds, reservoir	Resident Year Round	1	35	Y	ML			5	61				YM		G4	S3	MBTA										SENSITIVE	SGCN3	1				Standing w		12/22/2023
SOC	Birds	2		Occ	ABNRB02010	Black-billed Cuckoo	Coccyzus erythropthalmus	Riparian forest	Migratory Summer Bre	1			ML			5	44				SM		G5	S3B	MBTA; BCC										SENSITIVE	SGCN3, SG	2				Observatio		12/30/2022
SOC	Mammals	1		Occ	AMAJB01020	Grizzly Bear	Ursus arctos	Conifer forest	Resident Year Round	1			L				59				YX		G4	S2S3	LT										THREATEN	SGCN2-3					Species Oc		12/22/2023
SOC	Birds	2		Occ	ABPBXA6010	Thick-billed Longspur	Rhynchophanes mccownii	Grasslands	Migratory Summer Bre	4	4	Y	L				37				SM		G4	S3B	MBTA; BCC										SENSITIVE	SGCN3	2				Confirmed		6/29/2023
SOC	Birds	2		Occ	ABPBM02060	Sprague's Pipit	Anthus spragueii	Grasslands	Migratory Summer Bre	2	1		L				24				SM	Y	G3G4	S3B	MBTA; BCC										SENSITIVE	SGCN3	1				Confirmed		12/28/2023
SOC	Vascular Pla	7		Occ	PDSAL022P0	Autumn Willow	Salix serissima	Wetland/Riparian	Present	1	1		L				7				Y		G5	S3														3	Unknown	Less Vulne	Individual	4/11/2023
SOC	Vascular Pla	7		Occ	PDCAM0N040	Slim-pod Venus'-looking-gla	Triodanis leptocarpa		Present	1			L				5				Y		G5?	S3														3	No Known	Moderatel		12/1/2023
SOC	Birds	2		Occ	ABPBA01010	Brown Creeper	Certhia americana	Moist conifer forests	Resident Year Round	1	11		L				2				Y		G5	S3	MBTA											SGCN3	1				Observatio		6/29/2023
SOC	Mammals	1		Occ	AMACC05010	Eastern Red Bat	Lasiurus borealis	Riparian forest	Migratory Summer Bre	1			L				2				SM		G3G4	S3B											SENSITIVE						Confirmed		7/20/2022
SOC	Vascular Pla	7		Occ	PDAST8H1S8	Scribner's Ragwort	Senecio integerrimus var. scril		Present	1											Y		G5T2T3	S2S3														3	No Known	Less Vulne		4/26/2018
SOC	Birds	2		Occ	ABPBX97040	Sagebrush Sparrow	Artemisiospiza nevadensis	Sagebrush	Migratory Rare Summe	1		Y									SM		G5	S3B	MBTA										SENSITIVE	SGCN3					Confirmed		6/29/2023
IAH	Other	99		Occ	OBATROOST1	Bat Roost (Non-Cave)	Bat Roost (Non-Cave)		Species Group or Habit	3													GNR	SNR																	Confirmed		10/22/2019

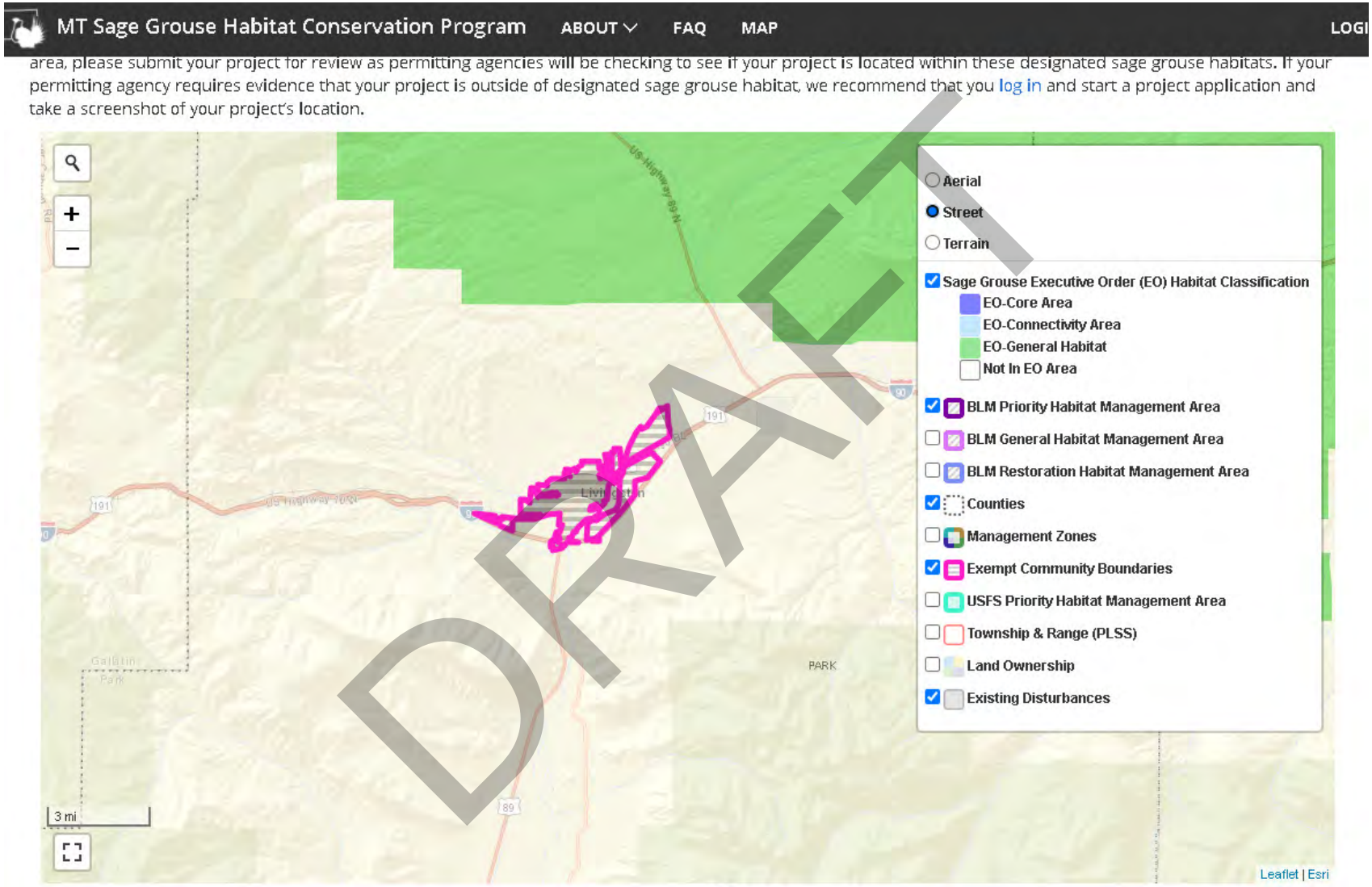
MT Stat	Species Gro	Sort Or	Invasive Gr	Doc	ELCODE	Common Name	Scientific Name	Habitat	Distribution	SO Count	OBS Coun	Has I	Models	Model N Pc	Model O Pc	Model M Pc	Model L Pct	Model W Pc	Model G Pc	Model I Pct	Ranges	USFWS Sec	Global Rank	MT State Ra	USFWS	USFS	USFS_BD	USFS_BRT	USFS_CG	USFS_FLAT	USFS_HLC	USFS_KOOT	USFS_LOLO	BLM	FWP SWAP	Montana PI	MNPS Thre	State Threa	CCVI	SO Delineat	Criteria	Last Updated
SOC	Birds	2		Oth	ABNFC01010	American White Pelican	Pelecanus erythrorhynchos	Lakes, ponds, reservoir	Migratory Summer Bre		30		OML		10	49	39				SM		G4	S3B	MBTA											SGCN3	3				Standing w		12/22/2023
SOC	Birds	2		Oth	ABNYF04010	Lewis's Woodpecker	Melanerpes lewis	Riparian forest	Migratory Summer Bre		2		OML		10	32	56				SM		G4	S2B	MBTA; BCC	SCC					SCC			SENSITIVE	SGCN2	2				Confirmed		12/28/2023
SOC	Birds	2		Oth	ABNGA04010	Great Blue Heron	Ardea herodias	Riparian forest	Resident Year Round		23	Y	OML		10	22	41				YSM		G5	S3	MBTA											SGCN3					Confirmed		12/22/2023
PSOC	Birds	2		Oth	ABNJB20010	Hooded Merganser	Lophodytes cucullatus	Rivers, Riparian/Wetla	Resident Year Round		6		OML		5	27	39				YM		G5	S4	MBTA											SGIN	2						
SOC	Birds	2		Oth	ABPAV07010	Pinyon Jay	Gymnorhinus cyanocephalus	Open conifer forest	Resident Year Round		3		ML			59	39				Y		G3	S3	MBTA; BCC											SGCN3					Observatio		1/4/2023
PSOC	Birds	2		Oth	ABNUC51020	Rufous Hummingbird	Selasphorus rufus	Riparian shrub	Migratory Summer Bre		4		ML			39	49				SM		G4	S4B	MBTA; BCC												3						
PSOC	Birds	2		Oth	ABNJB18020	Barrow's Goldeneye	Bucephala islandica	Mountain Lakes and W	Resident Year Round		6	Y	ML			32	44				YWM		G5	S4	MBTA											SGIN	2						
SOC	Birds	2		Oth	ABNGE02020	White-faced Ibis	Plegadis chihi	Wetlands	Migratory Summer Bre		3		ML			15	32				SM		G5	S3B	MBTA										SENSITIVE	SGCN3	2				Standing w		12/22/2023
SOC	Mammals	1		Oth	AMAJH03010	Canada Lynx	Lynx canadensis	Subalpine conifer fores	Resident Year Round			Y	ML			2	51				Y	Y	G5	S3	LT; CH										THREATEN	SGCN3					Areas desi		12/22/2023
SOC	Birds	2		Oth	ABNKC12061	American Goshawk	Accipiter atricapillus	Mixed conifer forests	Resident Year Round		4		ML			2	2				YWM		G5	S3	MBTA											SGCN3	2				Confirmed		12/27/2023
SOC	Birds	2		Oth	ABNLC13030	Sharp-tailed Grouse	Tympanuchus phasianellus	Shrub grassland	Resident Year Round		1		L				93				Y		G5	SX,S4											SGCN1	2				Confirmed		
SOC	Birds	2		Oth	ABPBXA9010	Bobolink	Dolichonyx oryzivorus	Moist grasslands	Migratory Summer Bre		1		L				37				SM		G5	S3B	MBTA; BCC											SGCN3	3				Confirmed		12/28/2023
SOC	Birds	2		Oth	ABNKC19120	Ferruginous Hawk	Buteo regalis	Sagebrush grassland	Migratory Summer Bre		1		L				34				SM		G4	S3B	MBTA; BCC										SENSITIVE	SGCN3	2				Confirmed		12/27/2023
SOC	Birds	2		Oth	ABNND01010	Black-necked Stilt	Himantopus mexicanus	Wetlands	Migratory Summer Bre		4		L				29				SM		G5	S3B	MBTA											SGCN3	3				Standing w		12/27/2023
SOC	Birds	2		Oth	ABNNM03020	Franklin's Gull	Leucophaeus pipixcan	Wetlands	Migratory Summer Bre		4		L				5				SM		G5	S3B	MBTA; BCC										SENSITIVE	SGCN3	2				Standing w		1/3/2023
SOC	Mammals	1		Oth	AMAJF03010	Wolverine	Gulo gulo	Boreal Forest and Alpir	Resident Year Round			Y	L				2				Y	Y	G4	S3	LT	SENSITIVE							SK		SENSITIVE	SGCN3					Confirmed		12/20/2023
SOC	Birds	2		Oth	ABPBY02010	Black Rosy-Finch	Leucosticte atrata	Alpine	Resident Year Round		2										YSM		G4	S2	MBTA; BCC											SGCN2, SG	2				Confirmed		1/2/2024
SOC	Birds	2		Oth	ABPBG09090	Pacific Wren	Troglodytes pacificus	Moist conifer forests	Resident Year Round		1										Y		G5	S3	MBTA											SGCN3	2				Observatio		12/28/2023
SSS	Invertebrat	6		Oth	IIORTB2040	Rehn's Slow Grasshopper	Argiacris rehni	Montane steppe/ poor	Resident Year Round			Y									Y		G2G3	SNR															Confirmed		6/22/2022
SOC	Birds	2		Oth	ABNNB03100	Mountain Plover	Charadrius montanus	Grasslands	Migratory Summer Bre		1										SM		G3	S2B	MBTA; BCC										SENSITIVE	SGCN2	1				Confirmed		12/27/2023
SOC	Birds	2		Oth	ABPBJ22010	Varied Thrush	Ixoreus naevius	Moist conifer forests	Migratory Summer Bre		7										SM		G5	S3B	MBTA											SGCN3	3				Confirmed		12/28/2023
SOC	Birds	2		Oth	ABPBY02030	Gray-crowned Rosy-Finch	Leucosticte tephrocotis	Alpine	Resident Year Round		6										WM		G5	S2	MBTA											SGCN2, SG					Confirmed		12/28/2023
SOC	Birds	2		Oth	ABNBA01030	Common Loon	Gavia immer	Mountain lakes w/ em	Migratory Summer Bre		5										M		G5	S3B	MBTA	SENSITIVE							SK			SGCN3	1				Standing w		12/22/2023
SOC	Birds	2		Oth	ABNNM08090	Forster's Tern	Sterna forsteri	Wetlands	Migratory Summer Bre		1										M		G5	S3B	MBTA										SENSITIVE	SGCN3	2				Standing w		12/27/2023
SOC	Birds	2		Oth	ABNCA03010	Horned Grebe	Podiceps auritus	Wetlands	Migratory Summer Bre		2										M		G5	S3B	MBTA										SENSITIVE	SGCN3	2				Standing w		12/28/2022
PSOC	Birds	2		Oth	ABPBX01040	Tennessee Warbler	Leiothlypis peregrina	Forest wetland	Migratory Summer Bre		1										M		G5	S3S4B	MBTA																		
SOC	Birds	2		Oth	ABPBXA6040	Chestnut-collared Longspur	Calcarius ornatus	Grasslands	Migratory Summer Bre		1												G5	S2B	MBTA; BCC										SENSITIVE	SGCN2	2				Confirmed		6/30/2023
SOC	Fish	5		Oth	AFCHA02088	Westslope Cutthroat Trout	Oncorhynchus clarkii lewisi	Mountain streams, rive	Resident Year Round			Y									N		G5T4	S2		SENSITIVE; SK		SK		SCC		SCC	SK	SK	SENSITIVE	SGCN2					Stream rea		7/25/2022

MT Stat	Species Grou	Sort Or	Invasive Gr	Doc	ELCODE	Common Name	Scientific Name	Habitat	Distribution	SO Count	OBS Coun	Has I	Models	Model N Pc	Model O Pc	Model M Pc	Model L Pct	Model W Pc	Model G Pc	Model I Pct	Ranges	USFWS Sec	Global Rank	MT State Ra	USFWS	USFS	USFS_BD	USFS_BRT	USFS_CG	USFS_FLAT	USFS_HLC	USFS_KOOT	USFS_LOLO	BLM	FWP SWAP	Montana Pl	MNPS Three	State Threa	CCVI	SO Delineat	Criteria	Last Updated
PSOC	Birds	2		Oth	ABNUC51010	Broad-tailed Hummingbird	Selasphorus platycercus	Montane shrublands /	Migratory Summer Bre				OML		34	37	24				SM		G5	S4B	MBTA; BCC										SGIN					Confirmed		
PSOC	Mammals	1		Oth	AMAJF05020	Western Spotted Skunk	Spilogale gracilis	Riparian shrub	Resident Year Round				OM		29	71					Y		G5	SU											SGIN					Confirmed		
SOC	Vascular Pla	7		Oth	PMLIL1A0L0	Wood Lily	Lilium philadelphicum		Present				OML		7	24	41				Y		G5	S3														3	Low	Less Vulne		12/1/2023
SOC	Vascular Pla	7		Oth	PMPOA24020	Panic Grass	Dichanthelium acuminatum		Present				OML		5	73	22				Y		G5	S2S3														2	Unknown			3/3/2022
SOC	Birds	2		Oth	ABNRB02020	Yellow-billed Cuckoo	Coccyzus americanus	Prairie riparian forest	Migratory Rare Summe				OML		5	56	37				SM		G5	S3B	PS: LT; MB															Observatio		6/28/2023
SOC	Mammals	1		Oth	AMACC07010	Spotted Bat	Euderma maculatum	Cliffs with rock crevices	Migratory Summer Bre				OML		5	29	66				SM		G4	S3											THREATEN	SGCN3, SG		2			Confirmed		12/22/2022
SOC	Vascular Pla	7		Oth	PMCYP091P0	Beaked Spikerush	Eleocharis rostellata	Wetlands (Alkaline)	Present				OML		2	76	22				Y		G5	S3											SENSITIVE	SGCN3, SG				2	Unknown	Less Vulne	Individual	4/12/2023
SOC	Vascular Pla	7		Oth	PMCYP03360	Crawe's Sedge	Carex crawei	Wetland/Riparian	Present				OML		2	61	32				Y		G5	S2S3														3	Low		Individual	4/26/2018
SOC	Invertebrat	6		Oth	IMGASB5328	Berry's Mountainsnail	Oreohelix strigosa berryi	Limestone talus	Resident Year Round				OML		2	24	37				Y		G5T2	S1S2																Confirmed		12/20/2022
SOC	Vascular Pla	7		Oth	PDAST3M1E0	Fan-leaved Fleabane	Erigeron flabellifolius	Alpine	Present				OML		2	7	12				Y		G3	S3		SCC					SCC								3	No Known	Highly Vulr	Individual	10/21/2022
SOC	Mammals	1		Oth	AMABA01230	Merriam's Shrew	Sorex merriami	Sagebrush grassland	Resident Year Round				ML			95	5				Y		G4	S3											SGCN3					Confirmed		6/14/2014
PSOC	Mammals	1		Oth	AMAFB05050	Uinta Ground Squirrel	Urocitellus armatus	Open grassy edges	Resident Year Round				ML			73	20				Y		G5	S3S4											SGIN							
SOC	Invertebrat	6		Oth	IIHYM24350	Suckley Cuckoo Bumble Bee	Bombus suckleyi	Montane/steppe grass	Resident Year Round				ML			49	44				Y		G2G3	S1																Confirmed		6/22/2022
SOC	Reptiles	3		Oth	ARADB1905B	Western Milksnake	Lampropeltis gentilis	Rock outcrops	Resident Year Round				ML			46	49				Y		G5	S2											SENSITIVE	SGCN2					Confirmed		12/21/2023
PSOC	Mammals	1		Oth	AMAFJ01010	North American Porcupine	Erethizon dorsatum	Mixed forest	Resident Year Round				ML			39	56				Y		G5	S3S4											SGIN					Confirmed		
SOC	Mammals	1		Oth	AMACC01090	Fringed Myotis	Myotis thysanodes	Riparian and dry mixed	Resident Year Round				ML			39	49				Y		G4	S3											SENSITIVE	SGCN3					Confirmed		7/21/2022
SOC	Vascular Pla	7		Oth	PDROS1B1E0	Platte Cinquefoil	Potentilla plattensis	Grasslands/Sagebrush	Present				ML			32	66				Y		G4	S3														4	No Known	Highly Vulr	Individual	1/20/2023
SOC	Vascular Pla	7		Oth	PDBRA110W0	Dense-leaf Draba	Draba densifolia	Alpine	Present				ML			32	17				Y		G5	S2		SENSITIVE;	SK		SK	SCC		SCC						2	Low	Moderatel	Individual	1/20/2023
PSOC	Vascular Pla	7		Oth	PDRAN0L1A0	High Northern Buttercup	Ranunculus hyperboreus	Wetland/Riparian (Mo	Present				ML			24	66				Y		G5	S3S4																Individual	1/20/2023
PSOC	Mammals	1		Oth	AMABA01280	Hayden's Shrew	Sorex haydeni	Grasslands	Resident Year Round				ML			22	73				Y		G5	S3S4																		
SOC	Mammals	1		Oth	AMABA01130	Dwarf Shrew	Sorex nanus	Rocky habitat	Resident Year Round				ML			20	80				Y		G4	S2S3											SGCN2-3					Confirmed		6/14/2014
SOC	Mammals	1		Oth	AMACC01070	Long-eared Myotis	Myotis evotis	Forest	Resident Year Round				ML			20	80				Y		G5	S3																Confirmed		3/22/2023
SOC	Vascular Pla	7		Oth	PDSCR1B170	Floriferous Monkeyflower	Mimulus floribundus		Unknown				ML			17	44				Y		G5	SH														4	No Known	Highly Vulr		12/5/2023
SOC	Vascular Pla	7		Oth	PMPOA5X0H0	Letterman's Needlegrass	Stipa lettermanii	Talus and Grasslands (I	Present				ML			17	27				Y		G5	S1S3		SCC					SCC								3	No Known		Individual	4/11/2023
SOC	Vascular Pla	7		Oth	PDSCR0D150	Slender Indian Paintbrush	Castilleja gracillima	Wetland/Riparian	Present				ML			15	76				Y		G3G4	S2														3	Low	Highly Vulr	Individual	10/21/2022
PSOC	Birds	2		Oth	ABNSB13040	Short-eared Owl	Asio flammeus	Grasslands	Resident Year Round				ML			15	59				Y		G5	S4	MBTA; BCC														3				
PSOC	Birds	2		Oth	ABPBW01280	Plumbeous Vireo	Vireo plumbeus	Conifer forest	Migratory Summer Bre				ML			15	49				SM		G5	S3S4B	MBTA														3				
SOC	Vascular Pla	7		Oth	PDCAR0X090	Fleshy Stitchwort	Stellaria crassifolia	Wetland/Riparian	Present				ML			10	71				Y		G5	S2														3	No Known		Individual	12/5/2023
SOC	Vascular Pla	7		Oth	PDAST3M320	Parry's Fleabane	Erigeron parryi	Slopes and ridges (Ope	Present				ML			10	44				Y		G2G3	S2S3		SENSITIVE			SK									3	No Known	Moderatel	Individual	1/29/2021
SOC	Vascular Pla	7		Oth	PDCHE0C020	Spiny Hopsage	Grayia spinosa	Shrublands (Dry)	Present				ML			10	12				Y		G5	S2		SCC				SCC								2	Unknown	Less Vulne	Individual	1/20/2023
PSOC	Birds	2		Oth	ABNTA04010	Common Poorwill	Phalaenoptilus nuttallii	Shrub grassland	Migratory Summer Bre				ML			7	93				SM		G5	S4B	MBTA											SGIN		3					
SOC	Mammals	1		Oth	AMACC01110	Long-legged Myotis	Myotis volans	Conifer forest	Resident Year Round				ML			7	90				Y		G4G5	S3																Confirmed		7/6/2023
SOC	Vascular Pla	7		Oth	PDAST3M2B0	Linear-leaf Fleabane	Erigeron linearis	Sagebrush/Grasslands	Present				ML			7	78				Y		G5	S2														2	Low	Less Vulne	Individual	1/20/2023
SOC	Bryophytes	9		Oth	NBMUS4L020	Meesia Moss	Meesia triquetra		Present				ML			7	56				Y		G5	S2		SENSITIVE;	SK		SK	SCC	SCC		SK	SS							3/2/2022
PSOC	Birds	2		Oth	ABPBX10010	Ovenbird	Seiurus aurocapilla	Deciduous forest	Migratory Summer Bre				ML			5	59				SM		G5	S4B	MBTA														3				
SOC	Mammals	1		Oth	AMABA01030	Preble's Shrew	Sorex preblei	Sagebrush grassland	Resident Year Round				ML			5	34				Y		G4	S3												SGCN3					Confirmed		10/19/2018
SOC	Vascular Pla	7		Oth	PDSCR0R030	Bractless Hedge-hyssop	Gratiola ebracteata	Wetland/Riparian	Present				ML			5	5				Y		G4	S2														3	No Known	Moderatel	Individual	4/26/2018
PSOC	Mammals	1		Oth	AMACC02010	Silver-haired Bat	Lasionycteris noctivagans	Riparian and forest	Resident Year Round				ML			2	95				Y		G3G4	S4																		
SOC	Birds	2		Oth	ABPBK04010	Sage Thrasher	Oreoscoptes montanus	Sagebrush	Migratory Summer Bre				ML			2	61				SM		G4	S3B	MBTA											SENSITIVE	SGCN3		3			Confirmed		12/28/2023
SOC	Vascular Pla	7		Oth	PMCYP0F030	Simple Kobresia	Kobresia simpliciuscula	Alpine	Present				ML			2	29				Y		G5	S3														3	Unknown		Individual	4/11/2023
SOC	Birds	2		Oth	ABNGA11010	Black-crowned Night-Heron	Nycticorax nycticorax	Wetlands	Migratory Summer Bre				ML			2	29				SM		G5	S3B	MBTA											SGCN3		3			Standing w		12/22/2023
SOC	Amphibians	4		Oth	AAABB01030	Western Toad	Anaxyrus boreas	Wetlands, floodplain p	Resident Year Round				ML			2	27				Y		G4	S2		SENSITIVE	SK		SK				SK	SK	SENSITIVE	SGCN2					Standing w		12/21/2023
SOC	Birds	2		Oth	ABNGA01020	American Bittern	Botaurus lentiginosus	Wetlands	Migratory Summer Bre				ML			2	27				SM		G5	S3B	MBTA											SENSITIVE	SGCN3		3			Wetlands a		12/27/2023
SOC	Birds	2		Oth	ABNYF07090	Black-backed Woodpecker	Picoides arcticus	Conifer forest burns	Resident Year Round				ML			2	5				Y		G5	S3	MBTA	SENSITIVE								SK	SENSITIVE	SGCN3		1			Confirmed		6/28/2023
PSOC	Mammals	1		Oth	AMAFF11190	North American Water Vole	Microtus richardsoni	Alpine and subalpine a	Resident Year Round				L				63				Y		G5	S4																		
PSOC	Vascular Pla	7		Oth	PDAPI1C040	Rydberg's Parsley	Musineon vaginatum		Present				L				61				Y		G3G4	S3S4																		
SOC	Birds	2		Oth	ABNJB15010	Harlequin Duck	Histrionicus histrionicus	Mountain streams	Migratory Summer Bre				L				61				SM		G4	S2B	MBTA	SENSITIVE	SK		SM				SK	SK		SGCN2		1			Stream rea		12/22/2023
SOC	Reptiles	3		Oth	ARACF12080	Greater Short-horned Lizard	Phrynosoma hernandesi	Sandy / gravelly soils	Resident Year Round				L				49				Y		G5	S3											SENSITIVE	SGCN3, SG					Confirmed		12/21/2023
SOC	Birds	2		Oth	ABNLC12010	Greater Sage-Grouse	Centrocercus urophasianus	Sagebrush	Resident Year Round				L				41				Y		G3G4	S2		SENSITIVE;	SK			SCC					SENSITIVE	SGCN2		1			Confirmed		1/5/2024
SOC	Birds	2		Oth	ABPBR01030	Loggerhead Shrike	Lanius ludovicianus	Shrubland	Migratory Summer Bre				L				32				SM		G4	S3B	MBTA										SENSITIVE	SGCN3		2			Confirmed		12/28/2023
SSS	Invertebrat	6		Oth	IITRI19480	A Caddisfly	Rhyacophila betteni	Cold water mountain s	Resident Year Round				L				29				Y		G2G4	S3S4																Confirmed		6/16/2022
PSOC	Vascular Pla	7		Oth	PMORC0Q090	Small Yellow Lady's-slipper	Cypripedium parviflorum		Present				L				29				Y		G5	S3S4		SENSITIVE;				SCC		SCC		SK				2				12/12/2023
SOC	Vascular Pla	7		Oth	PMHYD03010	Long-sheath Waterweed	Elodea bifoliata	Wetland/Riparian (Sha	Present				L				29				Y		G4G5	S2?														3	No Known		Individual	10/27/2023
SOC	Amphibians	4		Oth	AAABH01170	Northern Leopard Frog	Lithobates pipiens	Wetlands, floodplain p	Resident Year Round				L				27				Y		G5	S1,S4		SENSITIVE							SS	SS	SENSITIVE	SGCN1					Standing w		12/2/2016
SOC	Birds	2		Oth	ABNSB12040	Great Gray Owl	Strix nebulosa	Conifer forest near ope	Resident Year Round				L				24				Y		G5	S3	MBTA										SENSITIVE	SGCN3, SG		3			Confirmed		1/4/2023
PSOC	Vascular Pla	7		Oth	PDPGN0L0X1	Austin's Knotweed	Polygonum austiniae	Rock/Talus	Present				L				22				Y		G5T4	S3S4		SENSITIVE;					SCC								2				1/20/2023
SOC	Vascular Pla	7		Oth	PDADO01010	Musk-root	Adoxa moschatellina	Rock/Talus	Present				L				20				Y		G5	S3		SENSITIVE;	SK			SCC		SCC		SK				3	Low	Highly Vulr	Individual	1/20/2023

Survey Protocol	Protocol Name	Survey Co	Obs Coun	Recent Survey	
B-Bald Eagle Nest	Bald Eagle Nest Survey	20	19	2014	
B-Long-billed Curlew	Long-billed Curlew, Road-based, Point Count	5	2	2015	
B-Raptor nest	Raptor Nest Survey	23	21	2020	
E-Eastern Heath Snail	Eastern Heath Snail Survey	3	0	2012	
E-Eurasian Water-milfoil Rake	Rake tows/pulls for Eurasian Water-milfoil	35	1	2023	
E-Invasive Mussel Plankton Tow	Plankton tows for veligers of Invasive Mussels	16	0	2023	
E-Kicknet	Kicknet Collection Survey for Invasive Mussels and Snai	23	11	2023	
E-Noxious Weed, Road-based	Noxious Weed Road-based Visual Surveys	39	239	2003	
E-Noxious Weed, Visual	Noxious Weed Visual Surveys	2	21	2007	
E-Visual Aquatic Invasives	Visual Encounter Surveys for Aquatic Invasives on Shor	157	205	2023	
F-Fish Electrofishing	Fish Electrofishing Surveys	6	29	2021	
F-Fish Other Survey	Fish Other Survey (FWP Survey Type)	15	90	1988	
I-Aquatic Invert Lotic Dipnet	Invertebrate Lotic Site Dipnet and Visual Encounter Sur	1	1	2002	
I-Mosquito Traps	Montana Mosquito Surveillance Project	12	70	2006	
I-Mussel	Stream Mussel Survey	1	0	2009	
M-Bat Roost (Active Season)	Bat Roost (Active Season) Survey	1	1	2019	
P-AIM Terrestrial Plot	BLM AIM Terrestrial Survey Plot	1	20	2022	
P-Algal scraping	Algal Scraping	1	75	2000	
P-Wetland EIA	MTNHP Wetland EIA	1	30	2018	

NWI_CODE	System	Subsystem	Class	Subclass	Water Regi	Special Modifier	Acres	Full Code	SYS_ID	SUBSYS_ID	CLASS_ID	SUBCLASS_	WATREG_II	SPECMOD_	Description
PUB	P - Palustrine		UB - Unconsolidated Botton		F - Semipe	(no modifier)	1	PUBF	P		UB		F		Wetlands where mud, silt or similar fine particles cover at least 25% of the bottom, and where vegetation cover is less than 30%.
PAB	P - Palustrine		AB - Aquatic Bed		F - Semipe	(no modifier)	15	PABF	P		AB		F		Wetlands with vegetation growing on or below the water surface for most of the growing season.
PAB	P - Palustrine		AB - Aquatic Bed		F - Semipe	b - Beaver	5	PABFb	P		AB		F	b	Wetlands with vegetation growing on or below the water surface for most of the growing season.
PAB	P - Palustrine		AB - Aquatic Bed		F - Semipe	h - Diked/Impounded	7	PABFh	P		AB		F	h	Wetlands with vegetation growing on or below the water surface for most of the growing season.
PAB	P - Palustrine		AB - Aquatic Bed		F - Semipe	x - Excavated	12	PABFx	P		AB		F	x	Wetlands with vegetation growing on or below the water surface for most of the growing season.
PAB	P - Palustrine		AB - Aquatic Bed		G - Intermi	h - Diked/Impounded	17	PABGh	P		AB		G	h	Wetlands with vegetation growing on or below the water surface for most of the growing season.
PAB	P - Palustrine		AB - Aquatic Bed		K - Artificia	x - Excavated	0	PABKx	P		AB		K	x	Wetlands with vegetation growing on or below the water surface for most of the growing season.
PUS	P - Palustrine		US - Unconsolidated Shore		A - Tempo	(no modifier)	0	PUSA	P		US		A		Wetlands with less than 75% areal cover of stones, boulders, or bedrock. AND with less than 30% vegetative cover AND the wetland is irregularly exposed due to seasonal or irregular flooding and subsequent drying.
PUS	P - Palustrine		US - Unconsolidated Shore		C - Season	h - Diked/Impounded	1	PUSCh	P		US		C	h	Wetlands with less than 75% areal cover of stones, boulders, or bedrock. AND with less than 30% vegetative cover AND the wetland is irregularly exposed due to seasonal or irregular flooding and subsequent drying.
PEM	P - Palustrine		EM - Emergent		A - Tempo	(no modifier)	269	PEMA	P		EM		A		Wetlands with erect, rooted herbaceous vegetation present during most of the growing season.
PEM	P - Palustrine		EM - Emergent		A - Tempo	h - Diked/Impounded	1	PEMAh	P		EM		A	h	Wetlands with erect, rooted herbaceous vegetation present during most of the growing season.
PEM	P - Palustrine		EM - Emergent		C - Season	(no modifier)	44	PEMC	P		EM		C		Wetlands with erect, rooted herbaceous vegetation present during most of the growing season.
PEM	P - Palustrine		EM - Emergent		C - Season	b - Beaver	2	PEMCb	P		EM		C	b	Wetlands with erect, rooted herbaceous vegetation present during most of the growing season.
PEM	P - Palustrine		EM - Emergent		C - Season	h - Diked/Impounded	4	PEMCh	P		EM		C	h	Wetlands with erect, rooted herbaceous vegetation present during most of the growing season.
PEM	P - Palustrine		EM - Emergent		F - Semipe	h - Diked/Impounded	1	PEMFh	P		EM		F	h	Wetlands with erect, rooted herbaceous vegetation present during most of the growing season.
PEM	P - Palustrine		EM - Emergent		F - Semipe	x - Excavated	0	PEMFx	P		EM		F	x	Wetlands with erect, rooted herbaceous vegetation present during most of the growing season.
PSS	P - Palustrine		SS - Scrub-Shrub		A - Tempo	(no modifier)	135	PSSA	P		SS		A		Wetlands dominated by woody vegetation less than 6 meters (20 feet) tall. Woody vegetation includes tree saplings and trees that are stunted due to environmental conditions.
PSS	P - Palustrine		SS - Scrub-Shrub		A - Tempo	b - Beaver	6	PSSAb	P		SS		A	b	Wetlands dominated by woody vegetation less than 6 meters (20 feet) tall. Woody vegetation includes tree saplings and trees that are stunted due to environmental conditions.
PSS	P - Palustrine		SS - Scrub-Shrub		C - Season	(no modifier)	7	PSSC	P		SS		C		Wetlands dominated by woody vegetation less than 6 meters (20 feet) tall. Woody vegetation includes tree saplings and trees that are stunted due to environmental conditions.
PSS	P - Palustrine		SS - Scrub-Shrub		C - Season	b - Beaver	28	PSSCb	P		SS		C	b	Wetlands dominated by woody vegetation less than 6 meters (20 feet) tall. Woody vegetation includes tree saplings and trees that are stunted due to environmental conditions.
R3UB	R - Riverine	3 - Upper Peren	UB - Unconsolidated Botton		H - Permar	(no modifier)	438	R3UBH	R	3	UB		H		Stream channels where the substrate is at least 25% mud, silt or other fine particles.
R3US	R - Riverine	3 - Upper Peren	US - Unconsolidated Shore		A - Tempo	(no modifier)	82	R3USA	R	3	US		A		Shorelines with less than 75% areal cover of stones, boulders, or bedrock and less than 30% vegetation cover. The area is also irregularly exposed due to seasonal or irregular flooding and subsequent drying.
R3US	R - Riverine	3 - Upper Peren	US - Unconsolidated Shore		C - Season	(no modifier)	97	R3USC	R	3	US		C		Shorelines with less than 75% areal cover of stones, boulders, or bedrock and less than 30% vegetation cover. The area is also irregularly exposed due to seasonal or irregular flooding and subsequent drying.
R4SB	R - Riverine	4 - Intermittent	SB - Stream Bed		C - Season	(no modifier)	0	R4SBC	R	4	SB		C		Active channel that contains periodic water flow.
R4SB	R - Riverine	4 - Intermittent	SB - Stream Bed		C - Season	x - Excavated	15	R4SBCx	R	4	SB		C	x	Active channel that contains periodic water flow.
Rp1SS	Rp - Riparian	1 - Lotic	SS - Scrub-Shrub			(no modifier)	115	Rp1SS	Rp	1	SS				This type of riparian area is dominated by woody vegetation that is less than 6 meters (20 feet) tall. Woody vegetation includes tree saplings and trees that are stunted due to environmental conditions.
Rp1FO	Rp - Riparian	1 - Lotic	FO - Forested			(no modifier)	736	Rp1FO	Rp	1	FO				This riparian class has woody vegetation that is greater than 6 meters (20 feet) tall.
Rp1EM	Rp - Riparian	1 - Lotic	EM - Emergent			(no modifier)	20	Rp1EM	Rp	1	EM				Riparian areas that have erect, rooted herbaceous vegetation during most of the growing season.
Rp2FO	Rp - Riparian	2 - Lentic	FO - Forested			(no modifier)	2	Rp2FO	Rp	2	FO				This riparian class has woody vegetation that is greater than 6 meters (20 feet) tall.

Sage Grouse Map


MT Sage Grouse Habitat Conservation Program
ABOUT
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area, please submit your project for review as permitting agencies will be checking to see if your project is located within these designated sage grouse habitats. If your permitting agency requires evidence that your project is outside of designated sage grouse habitat, we recommend that you log in and start a project application and take a screenshot of your project's location.
Aerial
Street
Terrain
Sage Grouse Executive Order (EO) Habitat Classification
EO-Core Area
EO-Connectivity Area
EO-General Habitat
Not In EO Area
BLM Priority Habitat Management Area
BLM General Habitat Management Area
BLM Restoration Habitat Management Area
Counties
Management Zones
Exempt Community Boundaries
USFS Priority Habitat Management Area
Township & Range (PLSS)
Land Ownership
Existing Disturbances
US Highway 89 N
US Highway 191
Livingston
PARK
Gallatin Park
3 mi
Leaflet | Esri

Census & Target Rate

RESOURCES [INDEX]

TARGET RATE CALCULATION RESOURCE

The Community Development Division (CDD) has updated the U.S. Census Bureau's American Communities Survey (ACS) data set 2015-2019 for the calculation of local government target rates. The Montana Coal Endowment Program (MCEP) and Community Development Block Grant (CDBG) programs use ACS information as the base data set to calculate applicant target rates for community infrastructure systems.

These calculated rates, along with other demographic information, are components of the review and analysis of applications submitted to the programs for funding requests. Applications to be submitted in 2021 or later for MCEP or CDBG programs must use the 2015-2019 ACS data for the calculation of target rates for an applicant.

Low and moderate income (LMI) data is subject to change due to information released by the U.S Department of Housing and Urban Development (HUD).

Search below for 2015-2019 American Communities Survey data used to calculate target rates when applying to the **Montana Coal Endowment Program** and **Community Development Block Group Grant Program.**

Step 1a:
Select a geography type
City

OR

Step 1b:
Select a county or counties
Park County

Step 2:
Select a geography
Livingston city

MONTANA
DEPARTMENT OF COMMERCE

Selected Geography Associated County	Livingston city *Park County*
Population	7,575
Total Households	3,711
Median Household Income	$46,097
Low & Moderate Income Percent	42.2%
Percent Poverty	14.5%

Target Rates

Water & Wastewater	$88.35
Water Only	$53.78
Wastewater Only	$34.57
Solid Waste Only	$11.52

[#]

Amounts are computed using the 2015-2019 census and target percentage rationale reviewed biennially by Commerce. The target percentages are:

2.3% combined (water and wastewater)
1.4% for water alone
0.9% for wastewater alone
0.3% for solid waste

For example: Community median household income is $25,000 and the residents pay both water and wastewater rates, the calculation would be: $25,000 times 2.3% divided by 12 equals monthly target rate of $47.92. (25,000 x 2.3%)/12 = $47.92)

Having trouble finding data for your community? Some communities may not be listed in the resources above because the American Community Survey (ACS) did not provide 2015-2019 MHI data for those areas. Please contact us [../Contact]
[../Contact]
if you have any questions about this information.

MAPPING

To see maps of the City/Town/CDP or County in which you are interested, please go to the Census and Economic Information Center [https://ceic.mt.gov/Programs/US-Census-Bureau/Census-Geography-Map]
. For more information about the maps or tools available, please contact the Census and Economic Information Bureau [https://ceic.mt.gov/contact]

CONTACTS

Montana Coal Endowment Program (MCEP)	406 841-2770
Community Development Block Grant Program (CDBG)	406 841-2770
Census & Economic Information Center (CEIC)	406 841-2740

DEFINITIONS

Census Designated Place (CDP): Census designated places (CDPs) have been created for each decennial census as the statistical counterparts of incorporated places. CDPs are delineated to provide census data for concentrations of population, housing, and commercial structures that are identifiable by name but are not within an incorporated place. CDP boundaries usually are defined in cooperation with state, local, and tribal officials. These boundaries, which usually coincide with visible features or the boundary of an adjacent incorporated place or other legal entity boundary, have no legal status, nor do these places have officials elected to serve traditional municipal functions.

Household: A household includes all the people who occupy a housing unit as their usual place of residence.

Income of households: This includes the income of the householder and all other individuals 15 years old and over in the household, whether they are related to the householder or not.

Low and Moderate Income Percent: Low and Moderate Income Percent is calculated by U.S. Housing and Urban Development (HUD) using data from the U.S. Census Bureau's Decennial Census, specifically for the Community Development Block Grant Program (CDBG). LMI families are defined as those families whose income does not exceed 80% of the county median income for the previous year or 80% of the median income of the entire non-metropolitan area of the State of Montana, whichever is higher.

Median income: The median income divides the income distribution into two equal groups, one having incomes above the median, and other having incomes below the median.

Notes: Total Population and Total Households are from Summary File (SF) 1, 100% data. Poverty Rates and Median Household Income are from Summary File (SF) 3, Sample data. Low and Moderate Income Percentage was developed by HUD using Census 2010 data.

Sources: U.S. Census Bureau & HUD
Median Household Income
Census Bureau, American Community Survey 2015-2019 Estimates

[#]

Total Population & Households

U.S. Census Bureau, 2015-2019 Census - Summary File 1 (SF1) 100% Data

Low to Moderate Income Percent

HUD 2015 Low and Moderate Income Data

[#]

APPENDIX 1-C
AGENCY CORRESPONDENCE
(Not included in Draft)

APPENDIX 1-D
POPULATION TRENDS

Livingston, MT

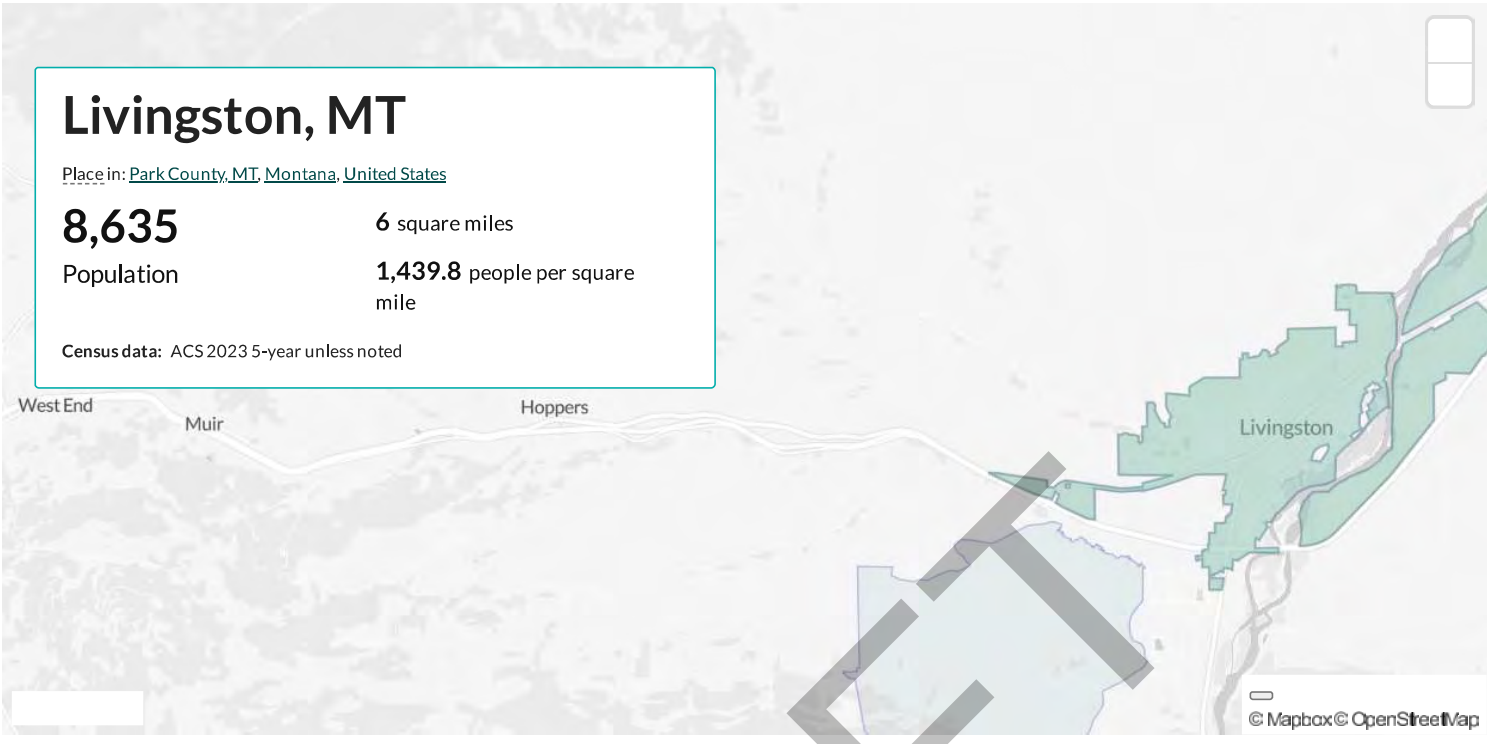
Place in: Park County, MT, Montana, United States

8,635
Population

6 square miles

1,439.8 people per square mile

Census data: ACS 2023 5-year unless noted



Find data for this place Search by table or column name...

Hover for margins of error and contextual data.

Demographics

† Margin of error is at least 10 percent of the total value. Take care with this statistic.

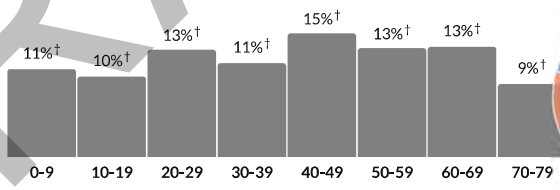
Age

43.1
Median age

about 90 percent of the figure in Park County: 46.2

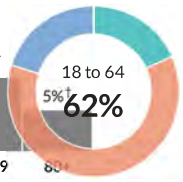
about 10 percent higher than the figure in Montana: 40.2

Population by age range



Show data / Embed

Population by age category



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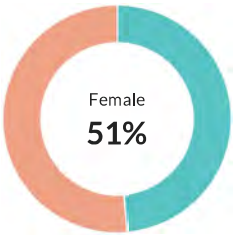
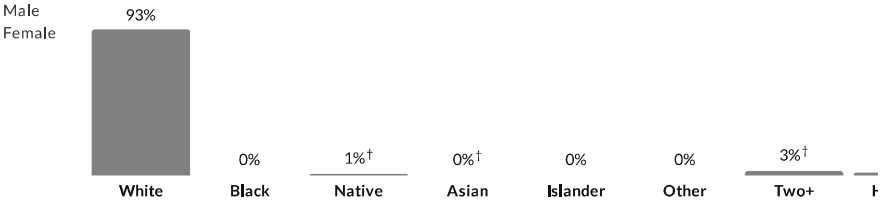
† Margin of error is at least 10 percent of the total value. Take care with this statistic.

Sex



Show data / Embed

Race & Ethnicity



* Hispanic includes respondents of any race. Other categories are non-Hispanic.

Show data / Embed

Economics

Income

† Margin of error is at least 10 percent of the total value. Take care with this statistic.

$40,760
Per capita income

about 90 percent of the amount in Park County: $45,894

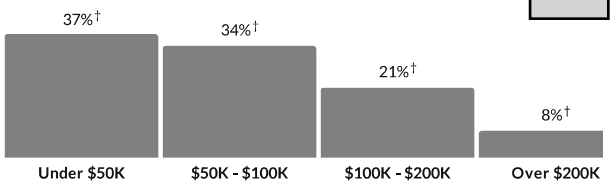
about the same as the amount in Montana: $39,842

$65,187
Median household income

about the same as the amount in Park County: $66,607

about 90 percent of the amount in Montana: $69,922

Household income



Show data / Embed

Poverty

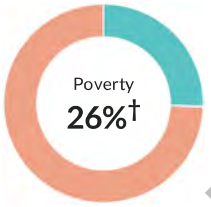
† Margin of error is at least 10 percent of the total value. Take care with this statistic.

15.2%
Persons below poverty line

about 20 percent higher than the rate in Park County: 13.1% †

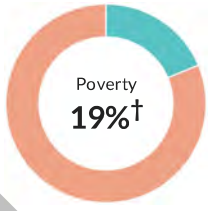
about 25 percent higher than the rate in Montana: 12.1%

Children (Under 18)



Show data / Embed

Seniors (65 and over)



Show data / Embed

Transportation to work

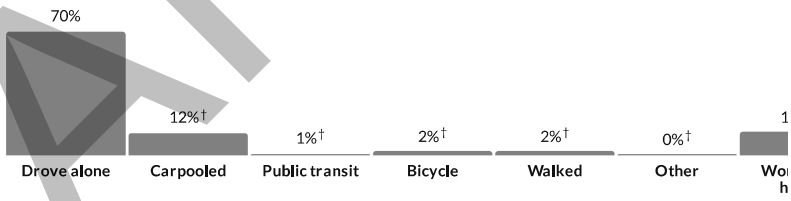
† Margin of error is at least 10 percent of the total value. Take care with this statistic.

23.3 minutes
Mean travel time to work

a little less than the figure in Park County: 24.6

about 25 percent higher than the figure in Montana: 19.2

Means of transportation to work



* Universe: Workers 16 years and over

Show data / Embed

Families

Households

† Margin of error is at least 10 percent of the total value. Take care with this statistic.

4,087
Number of households

Park County: 8,257

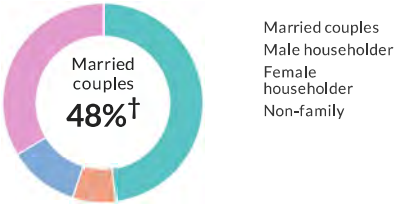
Montana: 452,683

2.1
Persons per household

about the same as the figure in Park County: 2.1

about 90 percent of the figure in Montana: 2.4

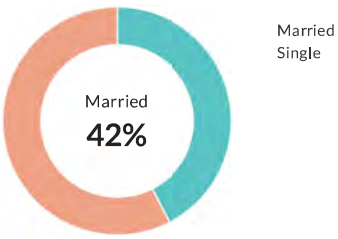
Population by household type



Show data / Embed

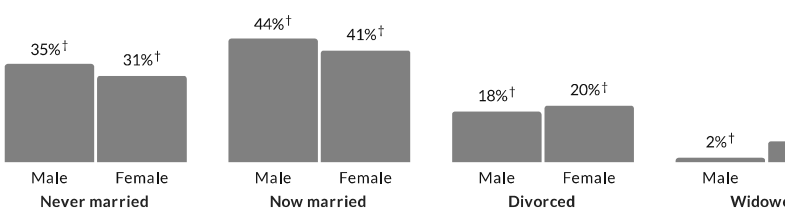
Marital status

† Margin of error is at least 10 percent of the total value. Take care with this statistic.



* Universe: Population 15 years and over

Marital status, by sex



† Margin of error is at least 10 percent of the total value. Take care with this statistic.

Fertility

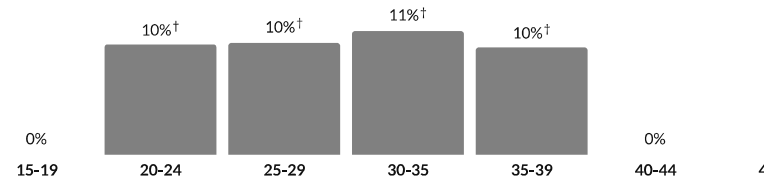
5.9%

Women 15-50 who gave birth during past year

about 10 percent higher than the rate in Park County: 5.3% †

about 10 percent higher than the rate in Montana: 5.5%

Women who gave birth during past year, by age group



* Universe: Women 15 to 50 years

Show data / Embed

Housing

Units & Occupancy

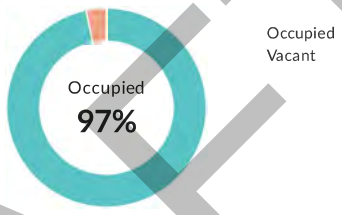
4,220

Number of housing units

Park County: 9,597

Montana: 522,939

Occupied vs. Vacant



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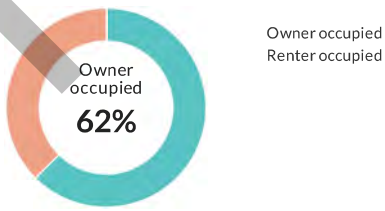
Ownership of occupied units



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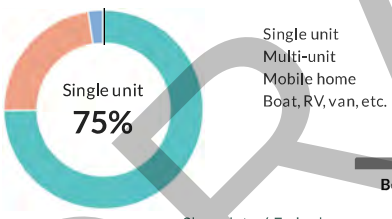
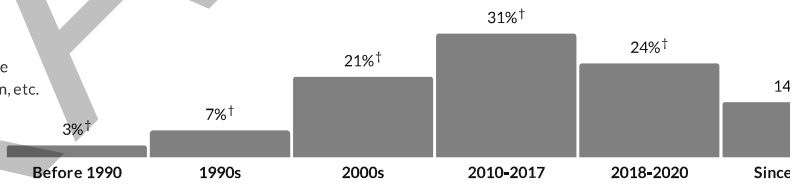
Types of structure



Show data / Embed

Year moved in, by percentage of population



Show data / Embed

Value

† Margin of error is at least 10 percent of the total value. Take care with this statistic.

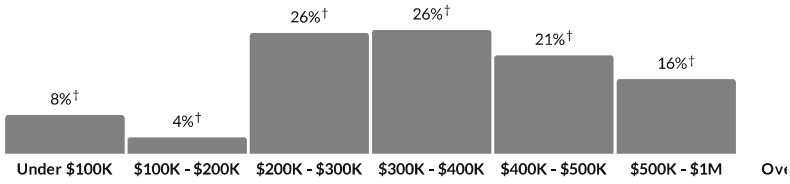
$348,700

Median value of owner-occupied housing units

about 80 percent of the amount in Park County: $429,700

a little higher than the amount in Montana: $338,100

Value of owner-occupied housing units



Show data / Embed

Geographical mobility

† Margin of error is at least 10 percent of the total value. Take care with this statistic.

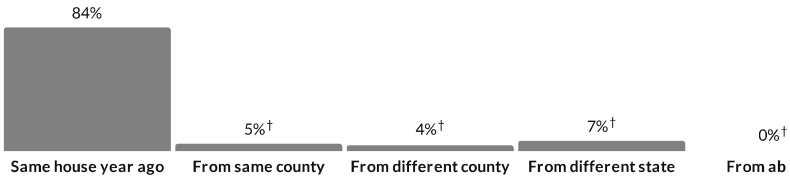
16.2%

Moved since previous year

about 25 percent higher than the rate in Park County: 12.9% †

about 10 percent higher than the rate in Montana: 14.2%

Population migration since previous year



Social

† Margin of error is at least 10 percent of the total value. Take care with this statistic.

Educational attainment

97.1%
High school grad or higher

about the same as the rate in Park County: 96.7%

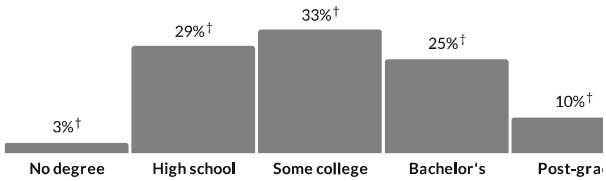
a little higher than the rate in Montana: 94.6%

35.1%
Bachelor's degree or higher

about 90 percent of the rate in Park County: 38.1%

about the same as the rate in Montana: 34.5%

Population by highest level of education



* Universe: Population 25 years and over

Show data / Embed

Language

N/A
Persons with language other than English spoken at home

Language at home, children 5-17
No data available

Language at home, adults 18+
No data available

Place of birth

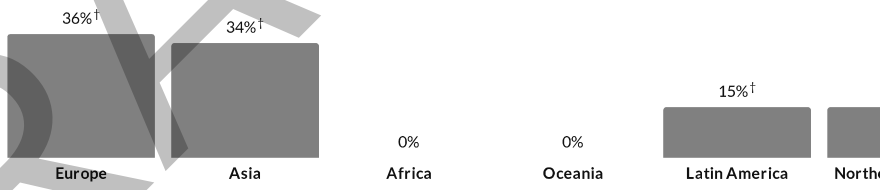
† Margin of error is at least 10 percent of the total value. Take care with this statistic.

0.9%
Foreign-born population

about two-fifths of the rate in Park County: 2.3%

about two-fifths of the rate in Montana: 2.3%

Place of birth for foreign-born population



Show data / Embed

Veteran status

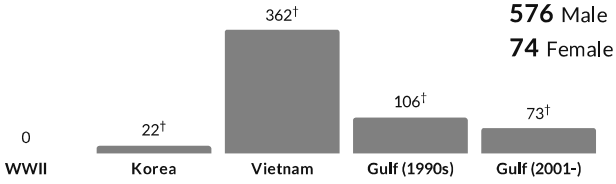
† Margin of error is at least 10 percent of the total value. Take care with this statistic.

9.2%
Population with veteran status

about 90 percent of the rate in Park County: 10.7% †

about the same as the rate in Montana: 9.4%

Veterans by wartime service



650 Total veterans
576 Male
74 Female

* Civilian veterans who served during wartime only

Show data / Embed

Hover for margins of error and contextual data.

Citation: U.S. Census Bureau (2023). *American Community Survey 5-year estimates*. Retrieved from *Census Reporter Profile page for Livingston, MT* <http://censusreporter.org/profiles/16000US3043975-livingston-mt/>

Place

Livingston city, Montana

Livingston city, Montana is a city, town, place equivalent, or township located in Montana. Livingston city, Montana has a land area of 5.6 square miles.

// United States / Montana / Livingston city, Montana

Display Sources

Populations and People
Total Population
8,040
P1 | 2020 Decennial Census

Income and Poverty
Median Household Income
$65,187
S1901 | 2023 American Community Survey 5-Year Estimates

Education
Bachelor's Degree or Higher
35.1%
S1501 | 2023 American Community Survey 5-Year Estimates

Employment
Employment Rate
68.2%
DP03 | 2023 American Community Survey 5-Year Estimates

Housing
Total Housing Units
4,130
H1 | 2020 Decennial Census

Health
Without Health Care Coverage
7.5%
S2701 | 2023 American Community Survey 5-Year Estimates

Families and Living Arrangements
Total Households
4,087
DP02 | 2023 American Community Survey 5-Year Estimates

Race and Ethnicity
Hispanic or Latino (of any race)
270
P9 | 2020 Decennial Census

Source: undefined |

Populations and People

Age and Sex

43.1 ± 1.4
Median Age in Livingston city, Montana

40.6 ± 0.4
Median Age in Montana

S0101 | 2023 American Community Survey 5-Year Estimates

Population Pyramid: Population by Age and Sex
in Livingston city, Montana

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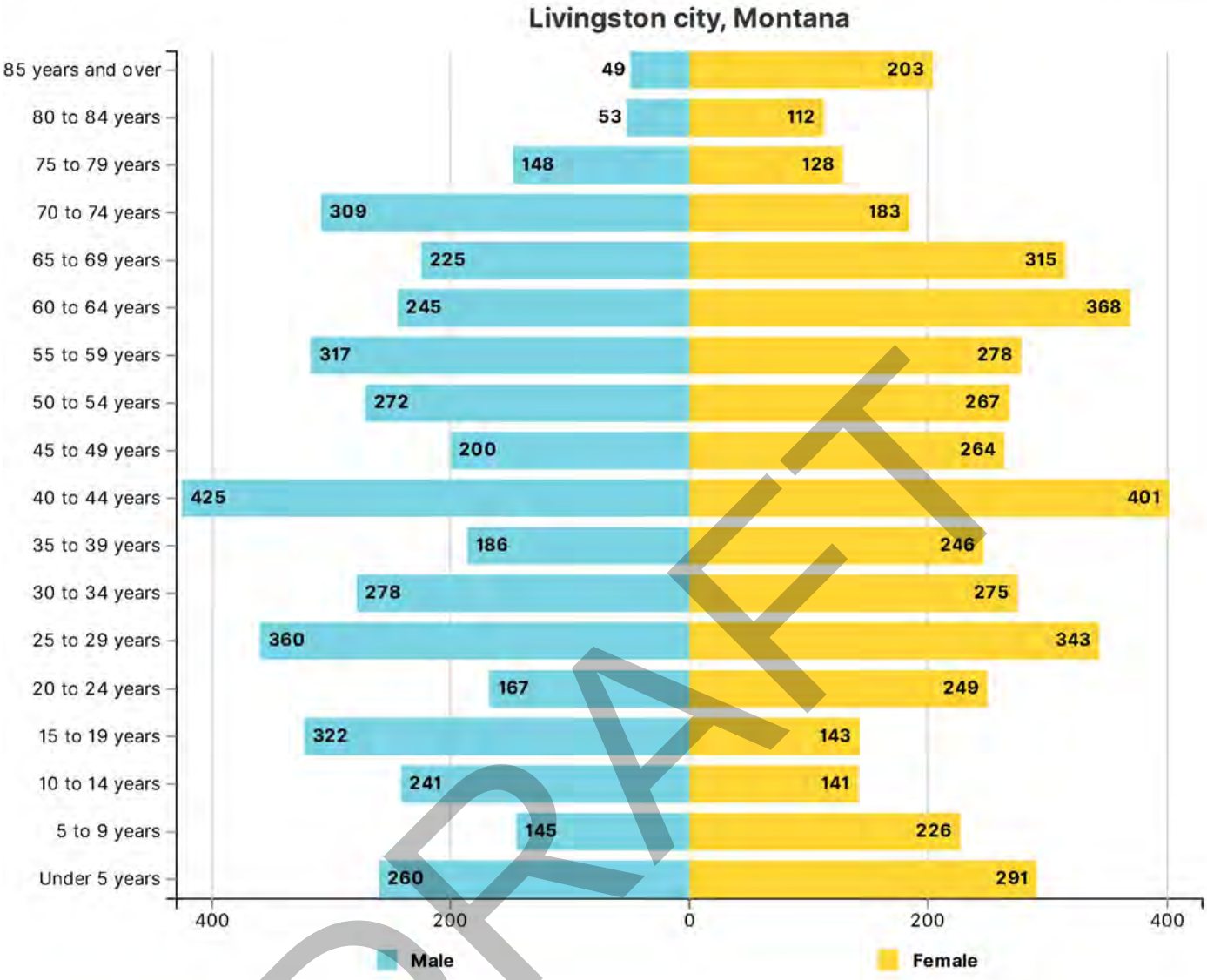

Display Margin of Error
S0101 | *2023 ACS 5-Year Estimates Subject Tables*

Language Spoken at Home

2.8% ± 1.5%
Language Other Than English Spoken at Home in Livingston city, Montana

4.5% ± 0.4%
Language Other Than English Spoken at Home in Montana

S1601 | *2023 American Community Survey 5-Year Estimates*

Types of Language Spoken at Home
in Livingston city, Montana

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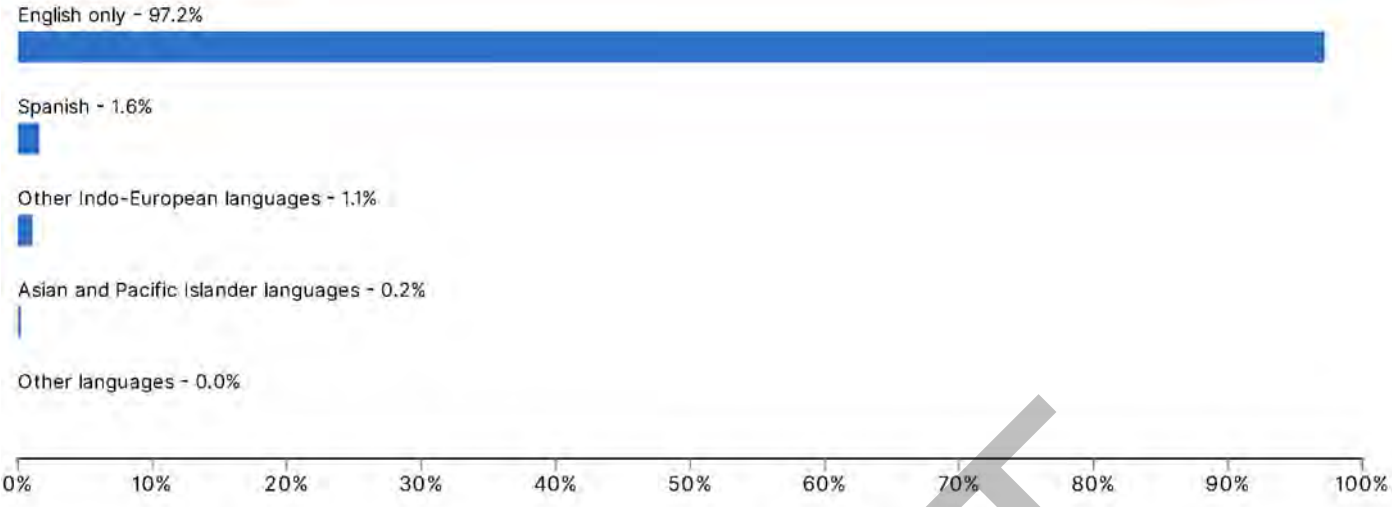

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S1601 | 2023 American Community Survey 5-Year Estimates

Native and Foreign-Born

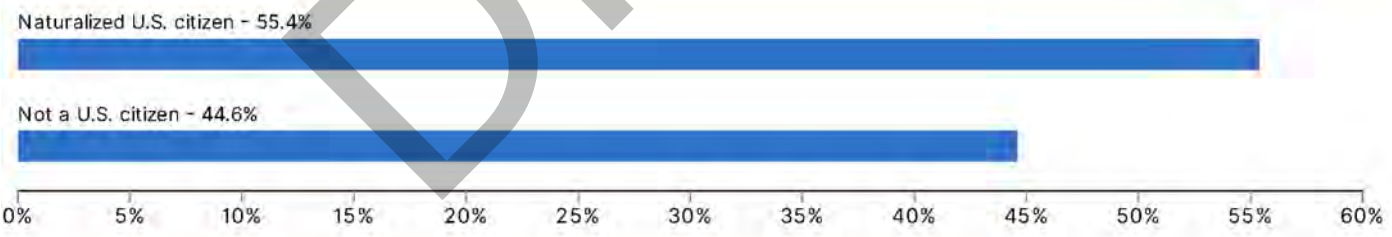
0.9% ± 0.6%
Foreign-Born population in Livingston city, Montana

2.2% ± 0.2%
Foreign-Born population in Montana

DP02 | 2023 American Community Survey 5-Year Estimates

Foreign-Born Population
in Livingston city, Montana

Share / Embed



Display Margin of Error

DP02 | 2023 American Community Survey 5-Year Estimates

Older Population

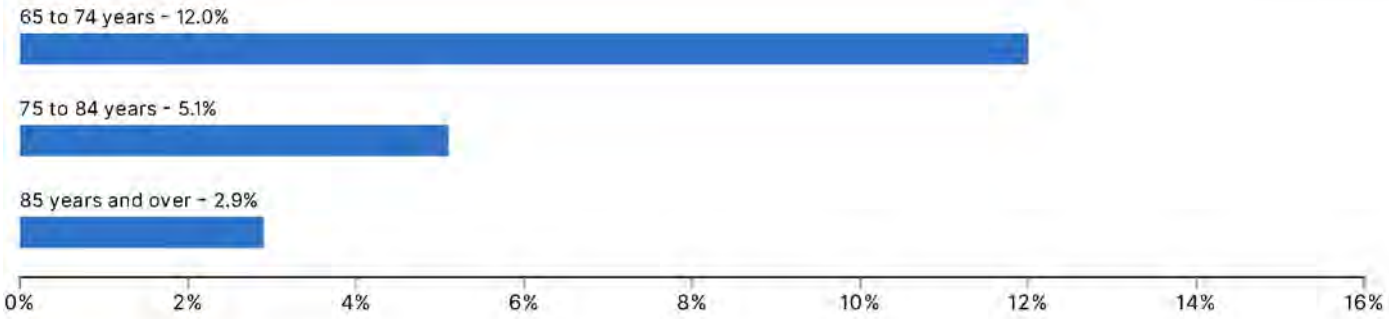
20.0% ± 2.5%
65 Years and Older in Livingston city, Montana

20.5% ± 0.1%
65 Years and Older in Montana

DP05 | 2023 American Community Survey 5-Year Estimates

Older Population by Age
in Livingston city, Montana

Share / Embed



Display Margin of Error

DP05 | 2023 American Community Survey 5-Year Estimates

Residential Mobility

6.7% ± 3.8%
Moved From a Different State in the Last Year in Livingston city, Montana

3.3% ± 0.4%
Moved From a Different State in the Last Year in Montana

S0701 | 2023 American Community Survey 5-Year Estimates

Residential Mobility in the Last Year
in Livingston city, Montana

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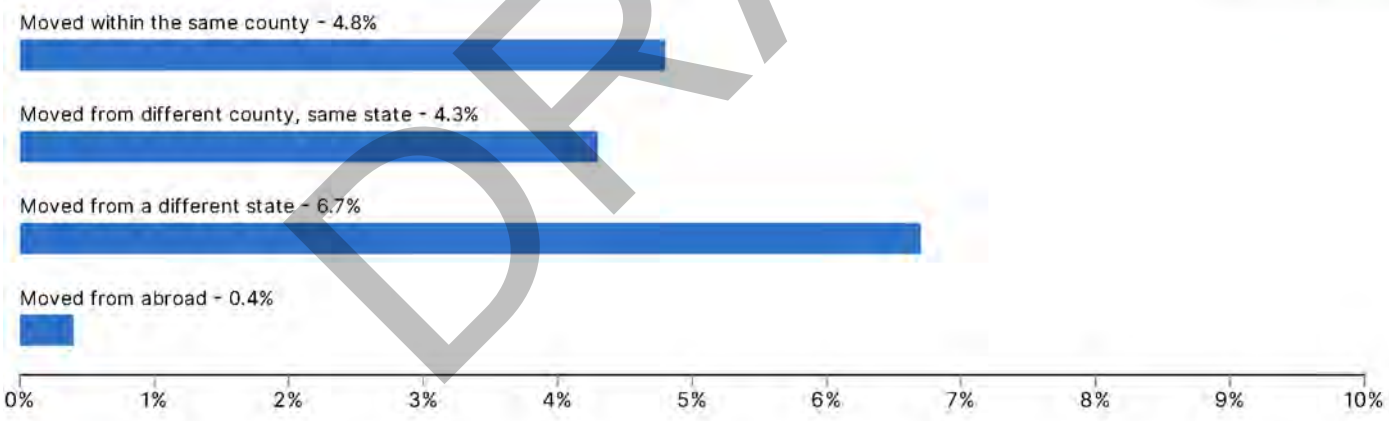


Display Margin of Error

S0701 | 2023 American Community Survey 5-Year Estimates

Veterans

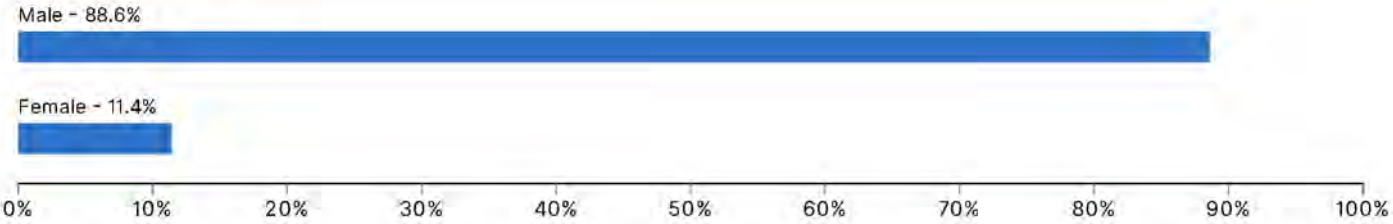
9.2% ± 2.6%
Veterans in Livingston city, Montana

8.9% ± 0.4%
Veterans in Montana

S2101 | 2023 American Community Survey 5-Year Estimates

Veterans by Sex
in Livingston city, Montana

Share / Embed



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S2101 | 2023 American Community Survey 5-Year Estimates

			Livingston city			
			Total	Total MOE	Percent	Percent MOE
DP03_0051	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households	High	4,087.00	194.00		
DP03_0052	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - Less than $10,000	Moderate	209.00	108.00	5.1%	2.6%
DP03_0053	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - $10,000 to $14,999	Moderate	237.00	101.00	5.8%	2.4%
DP03_0054	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - $15,000 to $24,999	Moderate	301.00	131.00	7.4%	3.2%
DP03_0055	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - $25,000 to $34,999	Moderate	371.00	163.00	9.1%	3.9%
DP03_0056	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - $35,000 to $49,999	Moderate	400.00	138.00	9.8%	3.4%
DP03_0057	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - $50,000 to $74,999	Moderate	819.00	215.00	20.0%	5.2%
DP03_0058	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - $75,000 to $99,999	Moderate	556.00	168.00	13.6%	4.0%
DP03_0059	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - $100,000 to $149,999	Moderate	737.00	164.00	18.0%	4.0%
DP03_0060	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - $150,000 to $199,999	Moderate	124.00	70.00	3.0%	1.7%
DP03_0061	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - $200,000 or more	Moderate	333.00	144.00	8.1%	3.5%
DP03_0062	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - Median household income (dollars)	High	65,187.00	7,286.00		
DP03_0063	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - Mean household income (dollars)	High	83,546.00	8,230.00		
DP03_0064	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - With earnings	High	3,110.00	190.00	76.1%	3.8%
DP03_0065	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - With earnings - Mean earnings (dollars)	High	80,086.00	8,130.00		
DP03_0066	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - With Social Security	High	1,083.00	157.00	26.5%	3.6%
DP03_0067	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - With Social Security - Mean Social Security income (dollars)	High	22,448.00	2,299.00		
DP03_0068	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - With retirement income	Moderate	640.00	161.00	15.7%	3.8%
DP03_0069	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - With retirement income - Mean retirement income (dollars)	Moderate	37,430.00	13,045.00		
DP03_0070	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - With Supplemental Security Income	Moderate	151.00	83.00	3.7%	2.0%
DP03_0071	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - With Supplemental Security Income - Mean Supplemental Security Income (dollars)	Moderate	9,630.00	4,618.00		
DP03_0072	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - With cash public assistance income	Low	94.00	79.00	2.3%	2.0%
DP03_0073	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - With cash public assistance income - Mean cash public assistance income (dollars)	Low	3,637.00	3,608.00		
DP03_0074	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Total households - With Food Stamp/SNAP benefits in the past 12 months	Moderate	377.00	129.00	9.2%	3.3%
DP03_0075	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families	High	1,952.00	235.00		
DP03_0076	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - Less than $10,000	Low	39.00	54.00	2.0%	2.8%
DP03_0077	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - $10,000 to $14,999	Low	22.00	30.00	1.1%	1.5%
DP03_0078	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - $15,000 to $24,999	Moderate	125.00	71.00	6.4%	3.6%
DP03_0079	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - $25,000 to $34,999	Low	62.00	52.00	3.2%	2.6%
DP03_0080	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - $35,000 to $49,999	Moderate	163.00	102.00	8.4%	5.2%
DP03_0081	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - $50,000 to $74,999	Moderate	428.00	155.00	21.9%	7.1%
DP03_0082	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - $75,000 to $99,999	Moderate	301.00	130.00	15.4%	6.5%
DP03_0083	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - $100,000 to $149,999	Moderate	519.00	135.00	26.6%	6.0%
DP03_0084	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - $150,000 to $199,999	Moderate	106.00	64.00	5.4%	3.3%
DP03_0085	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - $200,000 or more	Moderate	187.00	112.00	9.6%	5.6%
DP03_0086	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - Median family income (dollars)	High	85,000.00	13,114.00		
DP03_0087	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Families - Mean family income (dollars)	High	97,897.00	11,725.00		
DP03_0088	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Per capita income (dollars)	High	40,760.00	4,430.00		
DP03_0089	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Nonfamily households	High	2,135.00	283.00		
DP03_0090	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Nonfamily households - Median nonfamily income (dollars)	Moderate	45,825.00	9,674.00		
DP03_0091	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Nonfamily households - Mean nonfamily income (dollars)	High	68,668.00	12,057.00		
DP03_0092	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Median earnings for workers (dollars)	High	40,631.00	5,190.00		
DP03_0093	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Median earnings for male full-time, year-round workers (dollars)	High	56,732.00	3,929.00		
DP03_0094	INCOME AND BENEFITS (IN VINTAGE YEAR INFLATION-ADJUSTED DOLLARS) - Median earnings for female full-time, year-round workers (dollars)	High	48,280.00	5,090.00		
DP03_0119	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families	Moderate			9.3%	4.3%
DP03_0120	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families - With related children of the householder under 18 years	Moderate			16.9%	9.4%
DP03_0121	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families - With related children of the householder under 18 years - With related children of the householder under 5 years only	Low			5.4%	10.2%
DP03_0122	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families - Married couple families	Moderate			4.8%	3.1%
DP03_0123	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families - Married couple families - With related children of the householder under 18 years	Low			7.2%	7.6%
DP03_0124	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families - Married couple families - With related children of the householder under 18 years - With related children of the householder under 5 years only	Low			0.0%	16.2%
DP03_0125	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families - Families with female householder, no spouse present	Moderate			34.5%	22.0%
DP03_0126	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families - Families with female householder, no spouse present - With related children of the householder under 18 years	Moderate			52.3%	26.6%
DP03_0127	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families - Families with female householder, no spouse present - With related children of the householder under 18 years - With related children of the householder under 5 years only	Low			0.0%	96.4%
DP03_0128	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All people	Moderate			15.1%	4.3%
DP03_0129	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All people - Under 18 years	Moderate			25.5%	14.2%
DP03_0130	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All people - Under 18 years - Related children of the householder under 18 years	Moderate			25.5%	14.2%
DP03_0131	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All people - Under 18 years - Related children of the householder under 18 years - Related children of the householder under 5 years	Moderate			28.5%	17.1%
DP03_0132	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All people - Under 18 years - Related children of the householder under 18 years - Related children of the householder 5 to 17 years	Low			23.9%	16.2%
DP03_0133	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All people - 18 years and over	Moderate			12.8%	3.1%
DP03_0134	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All people - 18 years and over - 18 to 64 years	Moderate			10.9%	3.5%
DP03_0135	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All people - 18 years and over - 65 years and over	Moderate			18.8%	5.9%
DP03_0136	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All people - People in families	Moderate			12.2%	6.0%
DP03_0137	PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All people - Unrelated individuals 15 years and over	Moderate			20.3%	6.0%

APPENDIX 1-E
PUBLIC NOTICES AND MEETING MINUTES

Livingston Regional Water PER

Public Meeting #1
December 9th 2024
City / County Complex – Community Room

1. Welcome & Introductions
    a. Shannon Holmes - City Public Works Director, sholmes@livingstonmontana.org
    b. Adam Ballew - City Project Manager, aballew@livingstonmontana.org
    c. Matt McGee - Consulting Engineer, matt.mcgee@tdhengineering.com
2. History & Importance of this Project:
    a. 2003 Preliminary Engineering Report by Nelson Engineering
    b. 2017 HOA Meeting with Green Acres regarding annexation, future sewer improvements, and water improvements
    c. Recent Annexations into the City. MCA intent to serve with municipal utilities.
    d. Rising costs of construction
    e. See water alternate maps attached. Alignments are conceptual and will be refined prior to estimating costs based on resident and City input.
3. Project Goals
    a. Provide every City property with reliable utility services
    b. Protect drinking water quality
    c. Maintain existing water wells for irrigation only
    d. Maintain a public process that includes input from all residents – open communication
    e. Secure as much funding as possible to lessen the cost burden to residents
4. Communication
    a. Transparency and community involvement
    b. www.improvelivingston.com
    c. Email list
    d. Subcommittee
5. Project Funding
    a. MCEP planning grant for $40,000 for the Preliminary Engineering Report (PER)
    b. Look into all potential funding sources (SRF, MCEP…)
    c. Special Improvement District (SID) for water
6. Schedule
    a. Preliminary Engineering Study – to be completed winter 2024/2025
    b. Next public meeting: December 18, 2024. Virtual information provided below

Join the meeting now
Meeting ID: 266 519 863 221
Passcode: 8g5rX6hc
Dial in by phone:
+1 929-352-1793 Phone conference ID: 303 370 228#

MEETING

SIGN IN SHEET

Livingston Regional Water PER

December 9, 2024 6:00 p.m.

Printed Name	Address	Phone Number	Email address
Barbara/Bob Agle	POB 24 Gardiner 59030 / 212 Garnier Ave Livingston	406-220-1555	bob84barb@gmail.com
Kevin Haines	PO Box 2526 Livingston, MT 59047 / 213 Elm Lane (nomail)*	406-570-4232	kevinhaines2526@gmail.com
Tina Haines	" / "	(406) 222-3821	thphoto91@gmail.com (new Email as of 12/23)***
Karen Durow	105 Pine St.	(406) 227-2960	kmdurow@Gmail.com
A. Roesner de Feltre	106 Elm Lane	406.222.5459	ardf@proton.me
O'Neill	210 Ash Lane	406-220-0514	shamrock0n_13@yahoo.com
Jay O'Neill	106 Spruce	406-220-9470	
Kim O'Neill		220-4918	jkjki1994@AOL.com
Spencer Bruce	113 Chestnut Ln.	406-624-9713	spencer.m.bruce@gmail.com
SID payoff * Bradshaw Summers	103 Spruce Ln.	406 220 1396	BradshawSummers49@gmail.com
Pattie Ottmann	104 Chestnut Ln	207 944 5801	pattie.Ottmann@gmail.com
Michael Kokot	104 Tana Ln	406-222-6294	mkokot@gmail.com
Patti Smith	115 Allspaugh St	406-539-7149	phear55@charter.net

MEETING
SIGN IN SHEET

Livingston Regional Water PER

December 9, 2024 6:00 p.m.

Printed Name	Address	Phone Number	Email address
Larry + Colleen Krehmer	109 Elm Ln	406 223 2176	crehmer@msn.com
Rebecca Heemstra	121 S N St	406-931-0987	
Jordan Ballinger	211 Spruce Lane	406-223-7099	jaguilar1685@gmail.com
Chris Posbergh	203 Chestnut Ln	406 823 9615	cposbergh@gmail.com
Malcolm Foulke	211 Grandview	406-595-0796	falcon7@bresnan.net
Patrick Resatell	206 Arbor	920-471-7144	Resatellpe gmail.com
Jolyn Jerde	306 Grandview Blvd.	406-223-0579	JERDESCANOL@gmail.com
Scott McNeil	408 Garnier Ave	406-223-7874	SMCTwo2@Gmail.Com
Amber Stringfellow	219 Garnier Ave #16	406-224-1090	stringfellowforever@gmail
Bret graden	116 Elm lane	406 581-6353	graden.farm@gmail.com
Karen Stenseth	605 Heffernine Ave	406-539-3905	drsstenseth@earthlinknet
Tracy Pelach	105 Willow St	406.224.0254	tpelach@yahoo.com
Artyce Lizotte	312 Garnier Ave	406-220-1579	artyce.lizotte@gmail.com

MEETING

SIGN IN SHEET

Livingston Regional Water PER

December 9, 2024 6:00 p.m.

Printed Name	Address	Phone Number	Email address
Dennis Springer	212 Spruce Ln	(406) 580.1382	dgs1251@gmail.com

Transcript-Microsoft TEAMS

December 18, 2024

Livingston Regional Water PER

AI-generated content may be incorrect

Matt McGee

started transcription

AB

Adam Ballew

0 minutes 3 seconds0:03

Adam Ballew 0 minutes 3 seconds

Four meetings that we're gonna have involving the Regional Water per I'll start.

Adam Ballew 0 minutes 9 seconds

My name is Shannon Holmes.

Adam Ballew 0 minutes 11 seconds

I'm the works director. We've got Adam Balu, our project manager.

Adam Ballew 0 minutes 16 seconds

Matt McGee is feeling under the weather tonight, so he's attending virtually.

Adam Ballew 0 minutes 22 seconds

From his home. And then we have Brian Townsend, our water and sewer foreman, our Superintendent with the Public Works department here tonight. So.

Adam Ballew 0 minutes 32 seconds

For some of you that attended our week, our meeting on December 9th, some of this is going to be redundant, but we have moved forward with some of the comments from the last meeting.

Adam Ballew 0 minutes 46 seconds

So I'll I'll start with.

Adam Ballew 0 minutes 49 seconds

Giving everyone a history.

Adam Ballew 0 minutes 53 seconds

When the city annexed Green Acres and the Montague subdivision, that was not the first time that the city.

Adam Ballew 1 minute 1 second

Thought about or planned to extend utilities to the Green Acres Montague area.

Adam Ballew 1 hour 19 minutes 41 seconds

So like with the Wellness Center filling all those pools and then with the new ones, is that gonna create any kind of?

Adam Ballew 1 hour 19 minutes 51 seconds

Issue no and and I'll tell you the the water loop that we talked about at Bennett Street is huge and that needs to happen for the Lama center is open for business so.

Adam Ballew 1 hour 20 minutes 4 seconds

As far as capacity, you know Ryan and his team, I mean he he keeps an eye on our wells and reservoirs every day and I think you know this town.

Adam Ballew 1 hour 20 minutes 19 seconds

I love it dearly, but we've evolved and we're a growing town.

Adam Ballew 1 hour 20 minutes 23 seconds

And I hope we didn't cause any anxiety from people last year when we actually, for the first time in the history of this town, like formalize our water restrictions.

Adam Ballew 1 hour 20 minutes 33 seconds

So really all the exercise we did last summer was just to be open and transparent with people on what the four tiers were and if we ever and and really that that could come into play not based on demand and number of homes connected to our water system.

Adam Ballew 1 hour 20 minutes 50 seconds

It could be if we have a water main break or if one of our wells, you know, the motor burns up in it and we we need two weeks to get a replacement motor and get it installed.

Adam Ballew 1 hour 21 minutes 4 seconds

So there's a lot of.

Adam Ballew 1 hour 21 minutes 8 seconds

You know, I mean, I've provided the city's provided tankers of water for fires in the National Forest around here, and man camps and everything else.

Adam Ballew 1 hour 21 minutes 17 seconds

So there's there's a lot of extenuating circumstances.

Adam Ballew 1 hour 21 minutes 23 seconds

Go in with that and it's not really just based on connections.

Adam Ballew 1 hour 49 minutes 58 seconds

You know when that was in the county. The one thing now that it's in the city and there's no residents there, nothing.

Adam Ballew 1 hour 50 minutes 5 seconds

Nothing there that's going to have an impact, kind of like your garbage can that I have that does nothing, but I only use the garbage.

Adam Ballew 1 hour 50 minutes 13 seconds

It's kind of wasted, alright?

Adam Ballew 1 hour 50 minutes 16 seconds

I I understand where you're coming from, but I'm I'm. I'm just the messenger here.

Adam Ballew 1 hour 50 minutes 20 seconds

When when the when the city annexed those, these are all services that every resident pays are the are the cities required to by state law to provide so?

Adam Ballew 1 hour 50 minutes 36 seconds

You know it's.

Adam Ballew 1 hour 50 minutes 40 seconds

I deserve to get the brunt of this cause.

Adam Ballew 1 hour 50 minutes 43 seconds

I'm the public works director.

Adam Ballew 1 hour 50 minutes 44 seconds

But when the when the annexation occurred, that's what set all this stuff in motion. Unfortunately for all the residents out here.

Adam Ballew 1 hour 50 minutes 52 seconds

And I'm just trying to do my job and be open and transparent with everybody and.

Adam Ballew 1 hour 51 minutes 1 second

Try to make this as cheap on everybody as we can.

Adam Ballew 1 hour 51 minutes 12 seconds

Anything else?

Adam Ballew 1 hour 51 minutes 14 seconds

Just stated, I think there's gonna have to be a lot of trust.

Adam Ballew 1 hour 51 minutes 18 seconds

There's no way you're gonna be able to communicate to everybody and have them. There's too many combinations of different things that that happen, just like even the grants and maybe a certain grants with a larger number could be bigger than, you know, breaking them up into multiple siz.

Adam Ballew 1 hour 51 minutes 34 seconds

So it just we're gonna have to trust that somebody's looking all this looking at different combinations and.

Adam Ballew 1 hour 51 minutes 42 seconds

And maybe giving us two different plans to vote on that.

Adam Ballew 1 hour 51 minutes 46 seconds

There's so many different ways you can take this thing, right?

Adam Ballew 1 hour 51 minutes 48 seconds

This I don't see.

Adam Ballew 1 hour 51 minutes 49 seconds

It's not gonna do any good to keep telling everybody. All we can do it this way to do it this way.

Adam Ballew 1 hour 51 minutes 55 seconds

It's just gonna.

Adam Ballew 1 hour 51 minutes 57 seconds

Go to.

Adam Ballew 1 hour 52 minutes

Have their own take on it.

Adam Ballew 1 hour 52 minutes 3 seconds

Yep, I agree. I agree.

Adam Ballew 1 hour 52 minutes 9 seconds

We wanna do a good job on this per because we it really makes us more competitive in the eyes of these grant opportunities.

Adam Ballew 1 hour 52 minutes 21 seconds

We're not even.

Adam Ballew 1 hour 52 minutes 22 seconds

I mean, as a municipality, most of these grants were not even able to apply for unless we have a a preliminary engineering report so.

Adam Ballew 1 hour 52 minutes 32 seconds

We want that to be a document that hopefully has completed this spring and it's a reference point for all the for all the residents out there.

Adam Ballew 1 hour 52 minutes 42 seconds

Plus, it's going to be a be a big feather in our cap for when these grants cycles open up and we apply.

Adam Ballew 1 hour 52 minutes 50 seconds

The funding agencies like to see that there's more than one alternative to us know for a solution.

Adam Ballew 1 hour 53 minutes 6 seconds

In a lot of ways, I'm optimistic that we can ride the coattails of the sewer project that we got 160 homes off of septic systems on the city sewer and and now we have community wells. In some cases, some of those community wells have more.

Adam Ballew 1 hour 53 minutes 22 seconds

People connected to them than they should.

Adam Ballew 1 hour 53 minutes 25 seconds

Without a certified water operator and that this really.

Adam Ballew 1 hour 53 minutes 30 seconds

Provides all the essential services for the northeast part of Livingston.

Adam Ballew 1 hour 53 minutes 37 seconds

Even the greeting anchors it's it's so it doesn't meet your codes and stuff like that that you think that would be a decent.

Adam Ballew 1 hour 53 minutes 49 seconds

Show even though we all have water that.

Adam Ballew 1 hour 53 minutes 54 seconds

Is that is our biggest obstacle with Green Acres because as of right now, most people are like I have water.

Adam Ballew 1 hour 54 minutes

There's no.

Adam Ballew 1 hour 54 minutes

There's no issues with it, so I think we need to focus on this is what our standards are elsewhere in town.

Adam Ballew 1 hour 54 minutes 9 seconds

This is the age of the pipe system that you have in Green Acres.

Adam Ballew 1 hour 54 minutes 12 seconds

It's undersized. It doesn't.

Adam Ballew 1 hour 54 minutes 14 seconds

I mean.

Adam Ballew 1 hour 54 minutes 17 seconds

Everybody's home insurance should actually go down. Not that that's gonna cover the cost of this project, but.

Adam Ballew 1 hour 54 minutes 27 seconds

The fire flow well first.

Adam Ballew 1 hour 54 minutes 28 seconds

I mean, if there's a fire in Green Acres, it's gonna be really challenging because there's not many hydrants and they're small, undersized lines that are dead end.

Adam Ballew 1 hour 54 minutes 37 seconds

And that puts the fire department in the city in a big liability.

Adam Ballew 1 hour 54 minutes 41 seconds

Those are grant kind of approved that I I think we're gonna turn every stone over.

Adam Ballew 1 hour 54 minutes 47 seconds

That we can and.

Adam Ballew 1 hour 54 minutes 58 seconds

Greg Anthony, the policy analyst that works under the city manager, has been doing a lot of those over the last year.

Adam Ballew 1 hour 55 minutes 7 seconds

We've very successful.

Adam Ballew 1 hour 55 minutes 8 seconds

I mean, you know the the per for this project was, I mean $40,000 of it was funded by the Montana Coal Endowment, so.

Adam Ballew 1 hour 55 minutes 20 seconds

The city matched a portion of that.

Adam Ballew 1 hour 55 minutes 24 seconds

So I mean, we already I mean.

Adam Ballew 1 hour 55 minutes 29 seconds

The state grant agencies already saw that this was a competitive preliminary engineering report.

Adam Ballew 1 hour 55 minutes 34 seconds

So we, you know, to get $40,000 for this study is already helping the residents out.

Adam Ballew 1 hour 55 minutes 42 seconds

So we're hoping that we can continue that through the construction phase.

Adam Ballew 1 hour 55 minutes 50 seconds

And the other thing, I mean Matt and his team are very familiar with Livingston.

Adam Ballew 1 hour 55 minutes 55 seconds

You know the design of this to do the actual design of the water mains is gonna be a lot cheaper.

Adam Ballew 1 hour 56 minutes 4 seconds

Than some other firms can do that just because of of doing the per and a lot of the leg work that we're doing plus the the knowledge that we gain from the sewer project.

Adam Ballew 1 hour 56 minutes 15 seconds

So we're confident that the design of this is going to be below what a typical project would be.

Adam Ballew 1 hour 56 minutes 23 seconds

And then hopefully we can find some good contractors that.

Adam Ballew 1 hour 56 minutes 29 seconds

Are willing to bid a good construction cost for this and historically we bid jobs in December, January when most most projects are shut down.

Adam Ballew 1 hour 56 minutes 41 seconds

And they're trying to fill their schedules with the following year and we've seen the prices for construction a lot better when you bid projects in the winter time.

Adam Ballew 1 hour 57 minutes 6 seconds

Anything else?

Adam Ballew 1 hour 57 minutes 11 seconds

Well, I really appreciate all the.

Adam Ballew 1 hour 57 minutes 20 seconds

Provided value and I think we have a lot of work to do to kind of document what was all discussed tonight and put that out on the website and make sure that it's available for other folks that fit the 10 tonight.

Adam Ballew 1 hour 57 minutes 40 seconds

Alright, thank you. Have a good evening.

Matt McGee

1 hour 57 minutes 46 seconds1:57:46

Matt McGee 1 hour 57 minutes 46 seconds

Good job.

Matt McGee 1 hour 57 minutes 47 seconds

Thanks Shannon.

AB

Adam Ballew

1 hour 57 minutes 49 seconds1:57:49

Adam Ballew 1 hour 57 minutes 49 seconds

Hope you feel better, Matt.

Matt McGee

1 hour 57 minutes 51 seconds1:57:51

Matt McGee 1 hour 57 minutes 51 seconds

Thank you.

AB

Adam Ballew

1 hour 57 minutes 52 seconds1:57:52

Adam Ballew 1 hour 57 minutes 52 seconds

Some rest.

Adam Ballew 1 hour 57 minutes 58 seconds

So what we would like to do is just have a.

⍰⍰

Matt McGee

stopped transcription

MEETING
SIGN IN SHEET

Regional Water PER Meeting

December 18, 2024 6:00 p.m.

Printed Name	Address	Phone Number	Email address
Bob Agle	see last meeting		
Arlene Roemer da Feltre	see last mtg.		
Pattie + Dave Ottman	see last mtg		
Rebecca Heemstra	121 S N St	406 931 0987	rheemstra@nwmt.org
Jordan Ballinger	See last meeting		
Jane Gardner	105 Miller St		
Jolyn Jerde	306 Grandview Blvd	406-223-0579	

Livingston Regional Water PER

Public Meeting Agenda
January 22, 2025
City / County Complex – Community Room

1. Welcome & Introductions
    a. Shannon Holmes - City Public Works Director, sholmes@livingstonmontana.org
    b. Adam Ballew - City Project Manager, aballew@livingstonmontana.org
    c. Ryan Townsend – Water & Sewer Superintendent, rtownsend@livingstonmontana.org
    d. Matt McGee - Consulting Engineer, matt.mcgee@tdhengineering.com

2. New Items
    a. Updated alignment alternative maps
        i. Started on developing preliminary costs for each alternative
    b. Shared well locations and internal piping – looking for information on Montague shared wells

3. Project Goals
    a. Provide every City property with reliable utility services
    b. Protect drinking water quality
    c. Maintain existing water wells for irrigation only
    d. Maintain a public process that includes input from all residents and facilitates open communication
    e. Secure the maximum amount of potential funding to lessen the cost burden to residents

4. Communication
    a. Transparency and community involvement
    b. www.improvelivingston.com
    c. Email list

5. Project Funding
    a. MCEP planning grant for $40,000 for the Preliminary Engineering Report (PER)
    b. Look into all potential funding sources (SRF, MCEP…)
    c. Special Improvement District (SID) for water

6. Schedule
    a. Preliminary Engineering Study – to be completed spring 2025
    b. Next public meeting: Meet with sub-committee in the next couple weeks and schedule a public meeting near end of February to present costs.

7. Questions?

Livingston Regional Water PER

Public Meeting Agenda
March 26, 2025
City / County Complex

1. Welcome & Introductions
    a. Shannon Holmes - City Public Works Director, sholmes@livingstonmontana.org
    b. Adam Ballew - City Project Manager, aballew@livingstonmontana.org
    c. Matt McGee - Consulting Engineer, matt.mcgee@tdhengineering.com

2. New Items
    a. Updated alignment alternative maps
        i. Developed preliminary costs for each alternative
    b. Met with subcommittee last week

3. Project Goals
    a. Provide every City property with reliable utility services
    b. Protect drinking water quality
    c. Maintain existing water wells for irrigation only
    d. Maintain a public process that includes input from all residents and facilitates open communication
    e. Secure the maximum amount of potential funding to lessen the cost burden to residents

4. Communication
    a. Transparency and community involvement
    b. www.improvelivingston.com
    c. Email list

5. Project Funding
    a. MCEP planning grant for $40,000 for the Preliminary Engineering Report (PER)
    b. Look into all potential funding sources (SRF, MCEP…)
    c. Special Improvement District (SID) for water

6. Overall Project Schedule
    a. Preliminary Engineering Study – to be completed spring 2025
    b. Next public meeting: Present final PER to Commission
    c. Pursue grant funding
    d. Design
    e. SID creation
    f. Construction

MEETING

SIGN IN SHEET

Livingston Regional Water PER

March 26, 2025 6:00 p.m.

Printed Name	Address	Phone Number	Email address
Patti Smith	PO Box 798	406-539-7149	
Dina Rockafellow	P.O. Box 64	406-223-2935	drockafellow@msn.com
MaryJo Meredith	206 Spruce	406 222-6161	MaryJoMeredith@gmail
Hank Poeschl	304 Northpark DR.	406 222-6244	hankpoeschl@gmail.com
Dona Poeschl	"	"	"
James Meredith	206 Spruce LN	406-2243478	SAME AS MARY JO
Craig Carlson	112 Elm	406-220-3579	
Bob Agle	212 Garnier	406-220-1555	bob84bob@gmail.com
Malcolm Fowlie	211 Grandview	406-595-0796	falcon7@bresnan.net
Kathryn Gutebier	105 Spruce	406-223-0260	Kgutebier3@gmail.com
Pattie + Dave Offmann	104 Chestnut	207 944 5804	
Karyn & Jason Gardner	105 Miller St	406-220-1062	rjeegardner@yahoo.com
Joel Pattengale	203 CLAMA LN	4062235136	joelpattengale@gmail.com
Spencer Bruce	113 Chestnut Ln	406-624-9713	spencer.m.bruce@gmail.com

MEETING

SIGN IN SHEET

Livingston Regional Water PER

March 26, 2025 6:00 p.m.

Printed Name	Address	Phone Number	Email address
Guy Olson	132 Wilbur D	223-5111	guyo@fuelguy.ca

Yellowstone News Group

Big Timber Pioneer | Columbus Stillwater Co News | Dillon Tribune | Forsyth Independent News | Glendive Ranger Review | Laurel Outlook
Lewistown News Argus/Judith Basin | Livingston Enterprise| Miles City Star | Red Lodge Carbon Co News |Terry Tribune

ADVERTISING PROOF

PO Box 2000,
Livingston, MT 59047
Ph.

BILLING DATE:	ACCOUNT NO:
11/27/24	71616

City of Livingston Public Works Dept
330 Bennett St
Livingston, MT 59047

AD #	DESCRIPTION	START	STOP	TIMES	AMOUNT
586067	PUBLIC NOTICE CITY O	12/07/24	12/11/24	2	$96.00

Payments:

Date	Method	Card Type	Last 4 Digits	Check	Amount

Discount: **$0.00**
Surcharge: **$0.00**
Credits: **$0.00**

Gross: **$96.00**
Paid Amount: **$0.00**

Amount Due: **$96.00**

We Appreciate Your Business!

AD# 586067

PUBLIC NOTICE

CITY OF LIVINGSTON, MONTANA

2025– Regional Water Preliminary Engineering Report

The City of Livingston is currently in the planning and design phase for of a preliminary engineering report to study a regional water extension, allowing the city to provide water services to the residents of the Green Acres, Sleeping Giant and Montague Subdivisions.

Location: The proposed project will affect the following area(s):

- Residents in the boundaries of the Green Acres, Sleeping Giant and Montague Subdivisions.

Project Overview: The project will include, but is not limited to, the following elements:

- The study will provide municipal water service residents in the Green Acres, Sleeping Giant and Montague subdivisions. Green Acres subdivision residents are currently served by City water, but the pipes are approaching the end of design life, undersized and not looped to provide adequate fire protection and system redundancy.
- The other two subdivisions in this project are on shared wells. The existing wells will be utilized for irrigation service after this project is complete.

Public Input:

The City encourages all interested parties, to provide input on the proposed project. Three public meetings will be held in early to discuss the proposed project. Our preliminary meeting schedule is as follows:

Regional Water Preliminary Engineering Report – Green Acres, Montague and Sleeping Giant Residents

12/09 – Community Room, City County Complex 414 E Callender St.

12/18 – Community Room, City County Complex 414 E Callender St.

01/22 – Community Room,

City County Complex 414 E Callender St.

City representatives will be available to answer questions, provide additional information, and address concerns.

For More Information: For additional details, or to request special accommodations for the public meeting, please contact Shannon Holmes Public Works Director sholmes@livingstonmontana.org or Adam Ballew, Project Manager at aballew@livingstonmtonana.org or (406) 222-5667.

This notice is being provided in accordance with the requirements of Montana law and the City's public notification process. All interested parties are encouraged to participate and provide feedback on the project.

Dated November 26, 2024

Adam Ballew,
Project Manager
City of Livingston
Public Works Department
330 Bennett Street
(406) 222-5667
www.livingstonmontana.org/publicworks
www.improvelivingston.com

Pub Dec 7, Jan 15, 2024/25

586067

MNAXLP

Matt McGee

From: Michael Kokot <mkokot@gmail.com>
Sent: Monday, December 16, 2024 9:22 PM
To: sholmes@livingstonmontana.org; Matt McGee
Subject: Kokot: 104 Tana water hookup
Attachments: TanaLaneSewage.png

Categories: Livingston

Shannon,

You might recall that I have two sewage hookups going down my north and south side of the 104 Tana house.

I have a situation with trying to hook up water from Tana Lane as I don't have enough room on the north side of my house to properly handle both a water and sewage line. I am attaching a drawing but I assume you have all this information on file as well. My neighbor to the North of me has a number of large lilac trees between our properties and even if they were taken out I don't believe there is enough room to properly have enough distance between the water and sewage line. The Sewage line is only 2.5 feet coming out of the house and then gradually drops from there until about 15 feet from the road then goes down steadily into the Tana Lane hookup.

My water line was put in around the fall of 2001 and it is a copper line coming from Ash Lane. It goes right down the middle of the two vacant properties to the East of me and it is 6.5 feet down all the way into the house. There should be no need to ever dig up this line even if either of those properties were to be built on as the setbacks should prevent this.

I totally understand wanting to have all the Tana Lane homes hooked up to water on Tana Lane but I just don't see how that can be done with my place without a lot of compromises. You should also have information that the lot to my South side which is vacant has a water line already pulled from Ash to this lot for any future hook up.

I would obviously vote for not having the lower half of Tana having any water line put in the road as we all already have water coming from Ash and in my case it would be very difficult to utilize it.

We can talk about this more later but I would be asking to leave my hookup in Ash Lane at least until this water line fails. If water does get put all the way down Tana then I would need to get some kind of approval to let my water and sewage lines be a few feet from each other to get both hookups going to Tana Lane.

Thanks!

Michael Kokot

APPENDIX 2-A
EXISTING CONTIDIONS
WATERCAD REPORTS

Appendix 4.1.A - Demand Calculations

gpd/capita =	127.5
Capita/unit =	2.5

Max Day Multiplier =	2.36

Green Acres

Block	Unit Count
1	13
2	12
3	12
4	13
5	14
6	12
7	11
8	16

Unit Total	103
Capita =	257.5
Avg GPD =	32831.25
MDD (gpd) =	77481.75
MDD (gpm) =	53.81

Sleeping Giant

Block	Unit Count	Vacant lot (units by acre)	zone	Acre	units/acre
1	8				
2	24				
3	11				
4	2	84	RIII	1.1	76
5	0	35	MU	0.35	99.5

Unit Total	163.43
Capita =	408.56
Avg GPD =	52091.72
MDD (gpd) =	122936.46
MDD (gpm) =	85.37

Montague

Block	Unit Count	Vacant lot (units by acre)	zone	Acre	units/acre	
1	5					
2	8					
3	7					
4	6					
5	0	69.72	RII	2.8	24.9	
6	1	73.455	RII	2.95	24.9	Remaining vacant

Unit Total	170.18
Capita =	425.44
Avg GPD =	54243.28
MDD (gpd) =	128014.14
MDD (gpm) =	88.90

	Alternatives	Junction Count in Community	Assigned MDD (gpm)	
GA Replacement	G-2	20	2.69	Green Acres
GA Expansion	G-3	27	1.99	
Montague Streets	M-2	11	8.08	Montague
Montague Alleys	M-3	11	8.08	
McCaw/Garnier Streets	S-2	15	5.69	Sleeping Giant
McCaw/Frank Street	S-3	15	5.69	
Frank/Garnier Street	S-4	15	5.69	
Frank Street Loop	S-5	15	5.69	

Existing System

Community	Junction Count	Assigned MDD (gpm) per Junction
Green Acres	19	2.83
Montague	0	0.00
Sleeping Giant	12	7.11

Selected Alternatives - Combined

Community	Junction Count	Assigned MDD (gpm) per
Green Acres	27	1.99
Montague	11	8.08
Sleeping Giant	16	5.34

L-2 Tana Lane Connection

Community	Junction Count	Assigned MDD (gpm) per Junction
Green Acres	20	2.69
Montague	0	0.00
Sleeping Giant	12	7.11

L-3 Bickford Lane Connection

Community	Junction Count	Assigned MDD
Green Acres	19	2.83
Montague	0	0.00
Sleeping Giant	11	7.76

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-705	1,000.00	2,426.53	20	49	J-643	Passed	86	1.79
J-747	1,000.00	2,421.17	20	32	J-643	Passed	81	1.79
J-777	1,000.00	2,426.67	20	46	J-643	Passed	85	2.83
J-778	1,000.00	2,425.93	20	31	J-643	Passed	83	2.83
1 - Hydrant Test	1,000.00	2,426.11	20	27	J-643	Passed	83	2.83
J-780	1,000.00	2,426.57	20	23	J-643	Passed	80	2.83
J-781	1,000.00	2,176.62	20	21	H-124	Passed	80	2.83
H-124	1,000.00	1,484.88	20	20	J-643	Passed	80	2.83
H-123	1,000.00	2,044.57	20	20	J-643	Passed	80	2.83
J-787	1,000.00	1,979.07	20	23	H-122	Passed	79	2.83
H-122	1,000.00	1,425.61	20	20	J-643	Passed	76	2.83
J-790	1,000.00	2,339.26	20	21	H-121	Passed	80	2.83
H-121	1,000.00	1,867.14	20	20	J-643	Passed	79	2.83
J-793	1,000.00	2,426.32	20	26	J-643	Passed	83	2.83
H-120	1,000.00	2,227.53	20	20	J-643	Passed	81	2.83
J-798	1,000.00	2,293.02	20	20	J-643	Passed	84	2.83
J-799	1,000.00	2,426.61	20	34	J-643	Passed	85	2.83
H-125	1,000.00	2,426.70	20	39	J-643	Passed	85	2.83
J-876	1,000.00	2,426.75	20	49	J-643	Passed	89	7.11
H-128	1,000.00	2,426.90	20	43	J-643	Passed	89	7.11
J-878	1,000.00	2,426.95	20	51	J-643	Passed	89	7.11
H-131	1,000.00	2,427.21	20	52	J-643	Passed	88	7.11
H-127	1,000.00	2,426.60	20	38	J-643	Passed	88	7.11
H-129	1,000.00	2,426.79	20	42	J-643	Passed	89	7.11
H-126	1,000.00	2,426.56	20	43	J-643	Passed	85	7.11
H-130	1,000.00	2,426.77	20	39	J-643	Passed	85	7.11
J-1084	1,000.00	2,417.81	20	20	J-1084	Passed	83	6.45
J-1096	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1097	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1098	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1099	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1100	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1101	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1102	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1103	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1104	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1105	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1106	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1107	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1108	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1109	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1110	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1111	1,000.00	2,427.44	20	58	J-643	Passed	91	7.11
J-1112	1,000.00	2,318.94	20	20	J-643	Passed	83	2.83
J-1113	1,000.00	2,275.40	20	20	J-643	Passed	82	2.83
J-1114	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1115	1,000.00	2,420.90	20	26	J-643	Passed	82	0.00
J-1116	1,000.00	2,426.57	20	56	J-643	Passed	89	7.11
J-1117	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1118	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1119	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1120	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1121	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1122	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1123	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1124	1,000.00	2,427.01	20	50	J-643	Passed	89	7.11

Fire Flow Node FlexTable:
Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-1125	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1126	1,000.00	2,426.87	20	49	J-643	Passed	89	7.11

APPENDIX 2-B
FINANCIAL INFORMATION

COMBINED CASH ACCOUNTS

CASH ALLOCATION RECONCILIATION

5210	ALLOCATION TO WATER	1,320,298.97
5310	ALLOCATION TO SEWER	650,767.46
	TOTAL ALLOCATIONS TO OTHER FUNDS	1,971,066.43
	ZERO PROOF IF ALLOCATIONS BALANCE	1,971,066.43

CITY OF LIVINGSTON
BALANCE SHEET
JUNE 30, 2021

WATER

	ASSETS			
5210-101000	CASH	1,320,298.97		
5210-102190	SYSTEM DEVELOPMENT FEES	584,030.87		
5210-103300	PETTY CASH - WATER DEPT	300.00		
	TOTAL CASH		1,904,629.84	
	SPECIAL ASSESSMENTS REC.			
5210-118014	2014 - ASSESSMENTS RECEIVABLE	154.89		
	TOTAL SPECIAL ASSESSMENTS REC.		154.89	
5210-122000	UTILITIES RECEIVABLE		246,366.76	
5210-122999	ACCOUNTS RECEIVABLE		5,460.94	
5210-141000	PREPAID INSURANCE		3,774.28	
5210-181000	LAND		52,980.00	
5210-182000	BUILDINGS		645,920.40	
5210-182100	ALLOW FOR DEPREC/BUILDINGS		(392,226.57)	
5210-186000	MACHINERY & EQUIPMENT		919,824.85	
5210-186100	ALLOW FOR DEPR/MACH & EQUIPMEN		(700,780.64)	
5210-189100	SOURCE OF SUPPLY		1,236,274.93	
5210-189110	ALLOW FOR DEPR/SOURCE OF SUPPL		(903,530.62)	
5210-189300	TREATMENT PLANT		48,164.00	
5210-189310	ALLOW FOR DEPR/TREATMENT		(48,164.00)	
5210-189400	TRANSMISSION & DISTRIBUTION		10,133,567.19	
5210-189410	ALLOW FOR DEPR/TRANS-DISTRIB		(3,851,030.80)	
5210-199901	DEFERRED OUTFLOWS-OPEB		7,926.00	
5210-199905	DEFERRED OUTFLOW OF RESOURCES		102,132.41	
	TOTAL ASSETS			9,411,443.86
	LIABILITIES AND EQUITY			
	LIABILITIES			
5210-201000	PAYROLL PAYABLE		17,427.45	
5210-202000	ACCOUNTS PAYABLE		20,237.14	
5210-202500	UTILITY DEPOSITS PAYABLE		1,530.90	
5210-215100	OPEB LIABILITY		76,840.00	
5210-223805	DEFERRED INFLOWS OF RESOURCES		27,246.88	
5210-223806	DEFERRED INFLOWS OPEB		27,927.00	
5210-237000	NET PENSION LIABILITY		424,878.99	
5210-239000	COMPENSATED ABSENCES PAYABLE		21,546.38	
	TOTAL LIABILITIES			617,634.74
	FUND EQUITY			
5210-272000	UNRESERVED RETAINED EARNINGS		8,120,770.12	

CITY OF LIVINGSTON
BALANCE SHEET
JUNE 30, 2021

WATER

UNAPPROPRIATED FUND BALANCE:			
REVENUE OVER EXPENDITURES - YTD	673,039.00		
BALANCE - CURRENT DATE		673,039.00	
TOTAL FUND EQUITY			8,793,809.12
TOTAL LIABILITIES AND EQUITY			9,411,443.86

CITY OF LIVINGSTON
REVENUES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2021

WATER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	INTERGOVERNMENTAL REVENUES					
5210-335050	STATE SHARE PENSION	21,906.59	21,906.59	.00	(21,906.59)	.0
	TOTAL INTERGOVERNMENTAL REVENUES	21,906.59	21,906.59	.00	(21,906.59)	.0
	CHARGES FOR SERVICES					
5210-342055	BAD DEBT RECOVERY	(987.08)	(987.08)	.00	987.08	.0
5210-343021	METERED WATER SALES	1,730,940.72	1,730,940.72	1,495,015.00	(235,925.72)	115.8
5210-343022	WATER TAPS	8,400.00	8,400.00	5,000.00	(3,400.00)	168.0
5210-343024	SALE OF WATER MAT & SUPPL	62,031.15	62,031.15	20,000.00	(42,031.15)	310.2
5210-343026	SYSTEM DEVELOPMENT FEE	255,883.00	255,883.00	76,039.00	(179,844.00)	336.5
5210-343027	MISC. WATER REVENUES	15,145.85	15,145.85	4,000.00	(11,145.85)	378.7
	TOTAL CHARGES FOR SERVICES	2,071,413.64	2,071,413.64	1,600,054.00	(471,359.64)	129.5
	MISCELLANEOUS REVENUES					
5210-363010	SPECIAL ASSESSMENTS	.00	.00	300.00	300.00	.0
	TOTAL MISCELLANEOUS REVENUES	.00	.00	300.00	300.00	.0
	INVESTMENT EARNINGS					
5210-371010	INTEREST & DIVIDEND	4,801.08	4,801.08	6,500.00	1,698.92	73.9
	TOTAL INVESTMENT EARNINGS	4,801.08	4,801.08	6,500.00	1,698.92	73.9
	TOTAL FUND REVENUE	2,098,121.31	2,098,121.31	1,606,854.00	(491,267.31)	130.6

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
WATER DEPARTMENT - PUBLIC WORKS						
	WATER ADMINISTRATION					
5210-802-430510-110	SALARIES AND WAGES	45,226.60	45,226.60	58,048.00	12,821.40	77.9
5210-802-430510-120	OVERTIME	357.90	357.90	250.00	(107.90)	143.2
5210-802-430510-141	UNEMPLOYMENT INSURANCE	161.24	161.24	321.00	159.76	50.2
5210-802-430510-142	WORKERS' COMPENSATION	336.11	336.11	567.00	230.89	59.3
5210-802-430510-143	HEALTH INSURANCE	8,561.05	8,561.05	9,123.00	561.95	93.8
5210-802-430510-144	F.I.C.A.	2,697.95	2,697.95	3,614.00	916.05	74.7
5210-802-430510-145	P.E.R.S.	14,474.30	14,474.30	4,376.00	(10,098.30)	330.8
5210-802-430510-151	MEDICARE	630.92	630.92	845.00	214.08	74.7
5210-802-430510-212	COMPUTER SUPPLIES	117.95	117.95	750.00	632.05	15.7
5210-802-430510-220	OPERATING SUPPLIES	349.01	349.01	1,200.00	850.99	29.1
5210-802-430510-224	JANITOR CONTRACT/SUPPLIES	1,357.18	1,357.18	1,200.00	(157.18)	113.1
5210-802-430510-331	LEGAL NOTICES	.00	.00	300.00	300.00	.0
5210-802-430510-333	MEMBER/REGISTRATION FEES	1,365.00	1,365.00	1,500.00	135.00	91.0
5210-802-430510-346	INTERNET SERVICE	1,479.60	1,479.60	1,400.00	(79.60)	105.7
5210-802-430510-350	PROFESSIONAL SERVICES	135.00	135.00	.00	(135.00)	.0
5210-802-430510-352	CONSULTANT SERVICES	11,782.97	11,782.97	12,000.00	217.03	98.2
5210-802-430510-357	SOFTWARE SERVICES	2,620.06	2,620.06	750.00	(1,870.06)	349.3
5210-802-430510-368	R&M-COMPUTER/OFFICE MACH	4,205.85	4,205.85	1,085.00	(3,120.85)	387.6
5210-802-430510-370	TRAVEL/LODGING/MEALS	15.98	15.98	750.00	734.02	2.1
5210-802-430510-380	TRAINING SERVICES	160.00	160.00	1,000.00	840.00	16.0
5210-802-430510-394	INTERFUND GOVERNMENTAL SU	5,609.02	5,609.02	8,600.00	2,990.98	65.2
5210-802-430510-510	LIABILITY INSURANCE	17,842.00	17,842.00	29,891.00	12,049.00	59.7
5210-802-430510-512	INSURANCE ON BUILDINGS	5,113.00	5,113.00	5,113.00	.00	100.0
5210-802-430510-513	INS ON VEHICLES & EQUIP	1,606.00	1,606.00	1,606.00	.00	100.0
5210-802-430510-535	LEASE AGREEMENTS	1,143.00	1,143.00	1,750.00	607.00	65.3
	TOTAL WATER ADMINISTRATION	127,347.69	127,347.69	146,039.00	18,691.31	87.2

CITY OF LIVINGSTON
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2021

WATER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	WATER SERVICES					
5210-802-430515-110	SALARIES AND WAGES	241,828.81	241,828.81	265,960.00	24,131.19	90.9
5210-802-430515-120	OVERTIME	21,003.63	21,003.63	26,000.00	4,996.37	80.8
5210-802-430515-141	UNEMPLOYMENT INSURANCE	954.41	954.41	1,642.00	687.59	58.1
5210-802-430515-142	WORKERS' COMPENSATION	17,899.11	17,899.11	24,268.00	6,368.89	73.8
5210-802-430515-143	HEALTH INSURANCE	54,214.14	54,214.14	60,456.00	6,241.86	89.7
5210-802-430515-144	F.I.C.A.	16,273.31	16,273.31	18,511.00	2,237.69	87.9
5210-802-430515-145	P.E.R.S.	23,251.55	23,251.55	26,528.00	3,276.45	87.7
5210-802-430515-148	CLOTHING ALLOWANCE	7,122.96	7,122.96	6,600.00	(522.96)	107.9
5210-802-430515-151	MEDICARE	3,805.87	3,805.87	4,329.00	523.13	87.9
5210-802-430515-231	REP & MAINT SUPPLIES	12,004.41	12,004.41	11,500.00	(504.41)	104.4
5210-802-430515-232	REP & MAINT-VEHICLES	1,740.50	1,740.50	4,000.00	2,259.50	43.5
5210-802-430515-236	FUEL/OIL/DIESEL	9,450.07	9,450.07	16,000.00	6,549.93	59.1
5210-802-430515-237	MAIN/HYDRANT/WELL PARTS	39,953.57	39,953.57	45,000.00	5,046.43	88.8
5210-802-430515-238	METER PARTS	65,569.77	65,569.77	50,000.00	(15,569.77)	131.1
5210-802-430515-317	UTILITY LOCATE SERVICES	849.71	849.71	900.00	50.29	94.4
5210-802-430515-341	UTILITIES-GAS/ELECTRIC	128,150.99	128,150.99	125,000.00	(3,150.99)	102.5
5210-802-430515-347	CELLULAR PHONE	2,237.42	2,237.42	3,200.00	962.58	69.9
5210-802-430515-350	PROFESSIONAL SERVICES	3,463.06	3,463.06	15,000.00	11,536.94	23.1
5210-802-430515-355	WATER ANALYSIS & TREATMEN	11,733.01	11,733.01	15,000.00	3,266.99	78.2
5210-802-430515-361	REP & MAINT-GENERAL	8,631.83	8,631.83	9,000.00	368.17	95.9
5210-802-430515-362	REP & MAINT-VEHICLES	14,199.51	14,199.51	10,000.00	(4,199.51)	142.0
5210-802-430515-368	R&M-COMPUTER/OFFICE MACH	4,289.12	4,289.12	3,260.00	(1,029.12)	131.6
5210-802-430515-370	TRAVEL/LODGING/MEALS	26.83	26.83	1,275.00	1,248.17	2.1
5210-802-430515-380	TRAINING SERVICES	60.00	60.00	2,500.00	2,440.00	2.4
5210-802-430515-540	STATE FEE ASSESSMENTS	8,386.00	8,386.00	8,000.00	(386.00)	104.8
	TOTAL WATER SERVICES	697,099.59	697,099.59	753,929.00	56,829.41	92.5
	FACILITIES/CAPITAL OUTLAY					
5210-802-430520-220	OPERATING SUPPLIES	1,639.96	1,639.96	3,500.00	1,860.04	46.9
5210-802-430520-227	CAPITAL OUTLAY LESS THAN	3,857.00	3,857.00	7,500.00	3,643.00	51.4
5210-802-430520-341	UTILITIES-GAS/ELECTRIC	2,451.00	2,451.00	2,500.00	49.00	98.0
5210-802-430520-342	UTILITIES-WTR,SWR,GARB	151.32	151.32	2,500.00	2,348.68	6.1
5210-802-430520-361	REP & MAINT-GENERAL	4,975.38	4,975.38	5,500.00	524.62	90.5
5210-802-430520-924	BUILDING IMPROV	.00	.00	6,000.00	6,000.00	.0
5210-802-430520-940	CAPITAL OUTLAY	.00	.00	37,000.00	37,000.00	.0
5210-802-430520-960	INFRASTRUCTURE/WATER/SEWE	.00	.00	206,490.00	206,490.00	.0
5210-802-430520-976	VEHICLES	.00	.00	35,000.00	35,000.00	.0
5210-802-430520-995	WELL REHAB	.00	.00	15,000.00	15,000.00	.0
	TOTAL FACILITIES/CAPITAL OUTLAY	13,074.66	13,074.66	320,990.00	307,915.34	4.1

WATER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	CUSTOMER ACCTG/COLLECTION					
5210-802-430570-110	SALARIES AND WAGES	31,932.55	31,932.55	37,449.00	5,516.45	85.3
5210-802-430570-120	OVERTIME	232.02	232.02	1,250.00	1,017.98	18.6
5210-802-430570-141	UNEMPLOYMENT INSURANCE	113.62	113.62	213.00	99.38	53.3
5210-802-430570-142	WORKERS' COMPENSATION	335.48	335.48	516.00	180.52	65.0
5210-802-430570-143	HEALTH INSURANCE	8,379.61	8,379.61	10,992.00	2,612.39	76.2
5210-802-430570-144	F.I.C.A.	1,874.18	1,874.18	2,399.00	524.82	78.1
5210-802-430570-145	P.E.R.S.	2,821.85	2,821.85	3,394.00	572.15	83.1
5210-802-430570-151	MEDICARE	438.45	438.45	561.00	122.55	78.2
5210-802-430570-200	SUPPLIES	.00	.00	200.00	200.00	.0
5210-802-430570-213	BILLING SUPPLIES	4,701.43	4,701.43	3,600.00	(1,101.43)	130.6
5210-802-430570-310	COMM/TRANS(POSTAGE)	4,324.32	4,324.32	5,600.00	1,275.68	77.2
5210-802-430570-357	SOFTWARE SERVICES	2,299.91	2,299.91	1,900.00	(399.91)	121.1
5210-802-430570-368	R&M-COMPUTER/OFFICE MACH	1,048.27	1,048.27	1,303.00	254.73	80.5
5210-802-430570-370	TRAVEL/LODGING/MEALS	.00	.00	700.00	700.00	.0
5210-802-430570-380	TRAINING SERVICES	199.00	199.00	500.00	301.00	39.8
5210-802-430570-630	PAYING AGENT FEES/SER CHG	5,978.36	5,978.36	3,000.00	(2,978.36)	199.3
	TOTAL CUSTOMER ACCTG/COLLECTION	64,679.05	64,679.05	73,577.00	8,897.95	87.9
	TOTAL PUBLIC WORKS	902,200.99	902,200.99	1,294,535.00	392,334.01	69.7
WATER DEPARTMENT - MISCELLANEOUS						
	OTHER UNALLOCATED COSTS					
5210-802-510331-131	COMPENSATED ABSENCES	2,131.48	2,131.48	.00	(2,131.48)	.0
5210-802-510331-132	OTHER POST EMPLOYMENT BENEFITS	4,033.00	4,033.00	.00	(4,033.00)	.0
5210-802-510331-511	CLAIMS PAID/DEDUCTIBLE	1,500.00	1,500.00	1,500.00	.00	100.0
5210-802-510331-830	DEPRECIATION	337,739.81	337,739.81	.00	(337,739.81)	.0
	TOTAL OTHER UNALLOCATED COSTS	345,404.29	345,404.29	1,500.00	(343,904.29)	23027.
	TOTAL MISCELLANEOUS	345,404.29	345,404.29	1,500.00	(343,904.29)	23027.
WATER DEPARTMENT - OTHER FINANCING USES						
	INTERFUND OP TRANSFERS					
5210-802-521000-392	ADMINISTRATIVE COST ALLOC	177,477.03	177,477.03	140,696.00	(36,781.03)	126.1
	TOTAL INTERFUND OP TRANSFERS	177,477.03	177,477.03	140,696.00	(36,781.03)	126.1
	TOTAL OTHER FINANCING USES	177,477.03	177,477.03	140,696.00	(36,781.03)	126.1
	TOTAL WATER DEPARTMENT	1,425,082.31	1,425,082.31	1,436,731.00	11,648.69	99.2
	TOTAL FUND EXPENDITURES	1,425,082.31	1,425,082.31	1,436,731.00	11,648.69	99.2
	NET REVENUE OVER EXPENDITURES	673,039.00	673,039.00	170,123.00	(502,916.00)	395.6

CITY OF LIVINGSTON
BALANCE SHEET
JUNE 30, 2021

SEWER

	ASSETS			
5310-101000	CASH	650,767.46		
5310-102170	RESERVED - INTERCAP LOAN	14,174.00		
5310-102171	RESERVE - DNRC	533,261.00		
5310-102172	RESERVE - USDA DEBT SERVICE	162,600.00		
5310-102190	SYSTEM DEVELOPMENT FEES	738,615.32		
5310-102240	SHORT-LIVED ASSET RESERVE	330,255.00		
	TOTAL CASH		2,429,672.78	
	SPECIAL ASSESSMENTS REC.			
5310-118014	2014 - ASSESSMENTS RECEIVABLE	115.97		
	TOTAL SPECIAL ASSESSMENTS REC.		115.97	
5310-122000	UTILITIES RECEIVABLE		322,200.87	
5310-132003	DUE FROM STATE REVOLVING FUND		22,500.00	
5310-141000	PREPAID INSURANCE		3,918.05	
5310-182000	BUILDINGS		4,271,510.78	
5310-182100	ALLOW FOR DEPREC/BUILDINGS		(3,336,218.29)	
5310-186000	MACHINERY & EQUIPMENT		1,220,404.29	
5310-186100	ALLOW FOR DEPR/MACH & EQUIPMEN		(925,154.02)	
5310-188000	CONSTRUCTION IN PROGRESS		7,140.42	
5310-189300	TREATMENT PLANT		23,532,236.34	
5310-189310	ALLOW FOR DEPR/TREATMENT		(4,126,897.75)	
5310-189400	TRANSMISSION & DISTRIBUTION		9,284,308.16	
5310-189410	ALLOW FOR DEPR/TRANS-DISTRIB		(3,438,215.69)	
5310-199901	DEFERRED OUTFLOWS-OPEB		9,848.00	
5310-199905	DEFERRED OUTFLOW OF RESOURCES		150,798.35	
	TOTAL ASSETS			29,428,168.26
	LIABILITIES AND EQUITY			
	LIABILITIES			
5310-201000	PAYROLL PAYABLE		24,837.03	
5310-202000	ACCOUNTS PAYABLE		214,416.12	
5310-215100	OPEB LIABILITY		95,468.00	
5310-223805	DEFERRED INFLOWS OF RESOURCES		40,229.98	
5310-223806	DEFERRED INFLOWS OPEB		34,698.00	
5310-231000	BONDS PAYABLE		14,750,724.89	
5310-231301	BONDS PAYABLE - ARRA B		166,000.00	
5310-237000	NET PENSION LIABILITY		627,333.21	
5310-239000	COMPENSATED ABSENCES PAYABLE		50,301.94	
	TOTAL LIABILITIES			16,004,009.17
	FUND EQUITY			

CITY OF LIVINGSTON
BALANCE SHEET
JUNE 30, 2021

SEWER

5310-250410	RESERVE FOR DNRC		710,035.00	
5310-250600	RESERVE FOR REPLACEMENT AND DE		330,255.00	
5310-272000	UNRESERVED RETAINED EARNINGS		12,349,521.72	
	UNAPPROPRIATED FUND BALANCE:			
	REVENUE OVER EXPENDITURES - YTD	34,347.37		
	BALANCE - CURRENT DATE		34,347.37	
	TOTAL FUND EQUITY			13,424,159.09
	TOTAL LIABILITIES AND EQUITY			29,428,168.26

CITY OF LIVINGSTON
REVENUES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2021

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	INTERGOVERNMENTAL REVENUES					
5310-331074	USDA RURAL DEVELOPMENT	22,500.00	22,500.00	.00	(22,500.00)	.0
5310-334121	DNRC GRANTS	400,000.00	400,000.00	.00	(400,000.00)	.0
5310-335050	STATE SHARE PENSION	32,345.05	32,345.05	.00	(32,345.05)	.0
	TOTAL INTERGOVERNMENTAL REVENUES	454,845.05	454,845.05	.00	(454,845.05)	.0
	CHARGES FOR SERVICES					
5310-342055	BAD DEBT RECOVERY	43.92	43.92	.00	(43.92)	.0
5310-343031	SEWER SERVICE CHARGES	2,457,961.97	2,457,961.97	2,484,500.00	26,538.03	98.9
5310-343032	SEWER TAPS	10,689.41	10,689.41	5,000.00	(5,689.41)	213.8
5310-343036	MISC SEWER REVENUE	13,330.00	13,330.00	5,000.00	(8,330.00)	266.6
5310-343038	SYSTEM DEVELOPMENT FEE	318,051.00	318,051.00	79,991.00	(238,060.00)	397.6
	TOTAL CHARGES FOR SERVICES	2,800,076.30	2,800,076.30	2,574,491.00	(225,585.30)	108.8
	INVESTMENT EARNINGS					
5310-371010	INTEREST & DIVIDEND	7,899.60	7,899.60	10,000.00	2,100.40	79.0
	TOTAL INVESTMENT EARNINGS	7,899.60	7,899.60	10,000.00	2,100.40	79.0
	TOTAL FUND REVENUE	3,262,820.95	3,262,820.95	2,584,491.00	(678,329.95)	126.3

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
SEWER DEPARTMENT - PUBLIC WORKS						
	SEWER ADMINISTRATION					
5310-803-430610-110	SALARIES AND WAGES	46,457.23	46,457.23	51,030.00	4,572.77	91.0
5310-803-430610-120	OVERTIME	369.77	369.77	250.00	(119.77)	147.9
5310-803-430610-141	UNEMPLOYMENT INSURANCE	165.62	165.62	282.00	116.38	58.7
5310-803-430610-142	WORKERS' COMPENSATION	344.36	344.36	466.00	121.64	73.9
5310-803-430610-143	HEALTH INSURANCE	8,761.86	8,761.86	9,343.00	581.14	93.8
5310-803-430610-144	F.I.C.A.	2,770.50	2,770.50	3,179.00	408.50	87.2
5310-803-430610-145	P.E.R.S.	70,782.59	70,782.59	4,497.00	(66,285.59)	1574.0
5310-803-430610-151	MEDICARE	647.85	647.85	744.00	96.15	87.1
5310-803-430610-210	OFFICE SUPPLIES	416.44	416.44	1,000.00	583.56	41.6
5310-803-430610-224	JANITOR CONTRACT/SUPPLIES	1,347.11	1,347.11	1,500.00	152.89	89.8
5310-803-430610-331	LEGAL NOTICES	570.50	570.50	300.00	(270.50)	190.2
5310-803-430610-346	INTERNET SERVICE	1,815.74	1,815.74	1,650.00	(165.74)	110.0
5310-803-430610-352	CONSULTANT SERVICES	138,302.38	138,302.38	20,000.00	(118,302.38)	691.5
5310-803-430610-357	SOFTWARE SERVICES	2,120.06	2,120.06	1,000.00	(1,120.06)	212.0
5310-803-430610-368	R&M-COMPUTER/OFFICE MACH	2,318.76	2,318.76	1,110.00	(1,208.76)	208.9
5310-803-430610-394	INTERFUND GOVERNMENTAL SU	5,609.02	5,609.02	8,600.00	2,990.98	65.2
5310-803-430610-510	LIABILITY INSURANCE	28,250.00	28,250.00	26,165.00	(2,085.00)	108.0
5310-803-430610-512	INSURANCE ON BUILDINGS	35,280.00	35,280.00	35,280.00	.00	100.0
5310-803-430610-513	INS ON VEHICLES & EQUIP	2,388.00	2,388.00	2,388.00	.00	100.0
5310-803-430610-535	LEASE AGREEMENTS	1,901.50	1,901.50	2,000.00	98.50	95.1
	TOTAL SEWER ADMINISTRATION	350,619.29	350,619.29	170,784.00	(179,835.29)	205.3
	FACILITIES					
5310-803-430620-220	OPERATING SUPPLIES	753.34	753.34	1,000.00	246.66	75.3
5310-803-430620-341	UTILITIES-GAS/ELECTRIC	2,451.03	2,451.03	2,500.00	48.97	98.0
5310-803-430620-342	UTILITIES-WTR,SWR,GARB	.00	.00	1,600.00	1,600.00	.0
5310-803-430620-343	UTILITIES-PHONES	.00	.00	900.00	900.00	.0
5310-803-430620-347	CELLULAR PHONE	2,659.17	2,659.17	3,000.00	340.83	88.6
5310-803-430620-361	REP & MAINT-GENERAL	1,215.61	1,215.61	2,500.00	1,284.39	48.6
5310-803-430620-924	BUILDING IMPROV	.00	.00	3,000.00	3,000.00	.0
	TOTAL FACILITIES	7,079.15	7,079.15	14,500.00	7,420.85	48.8

CITY OF LIVINGSTON
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2021

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	SEWER SERVICES					
5310-803-430625-110	SALARIES AND WAGES	146,279.64	146,279.64	147,784.00	1,504.36	99.0
5310-803-430625-120	OVERTIME	14,456.79	14,456.79	13,500.00	(956.79)	107.1
5310-803-430625-141	UNEMPLOYMENT INSURANCE	580.31	580.31	904.00	323.69	64.2
5310-803-430625-142	WORKERS' COMPENSATION	10,888.88	10,888.88	13,353.00	2,464.12	81.6
5310-803-430625-143	HEALTH INSURANCE	27,436.41	27,436.41	27,480.00	43.59	99.8
5310-803-430625-144	F.I.C.A.	9,716.56	9,716.56	10,186.00	469.44	95.4
5310-803-430625-145	P.E.R.S.	14,156.66	14,156.66	14,408.00	251.34	98.3
5310-803-430625-148	CLOTHING ALLOWANCE	3,463.96	3,463.96	3,000.00	(463.96)	115.5
5310-803-430625-151	MEDICARE	2,272.40	2,272.40	2,382.00	109.60	95.4
5310-803-430625-223	MAINTENANCE CLOTHING	(18.00)	(18.00)	.00	18.00	.0
5310-803-430625-231	REP & MAINT SUPPLIES	3,618.02	3,618.02	6,000.00	2,381.98	60.3
5310-803-430625-232	REP & MAINT-VEHICLES	1,869.12	1,869.12	2,500.00	630.88	74.8
5310-803-430625-236	FUEL/OIL/DIESEL	9,935.35	9,935.35	8,000.00	(1,935.35)	124.2
5310-803-430625-237	MAIN/HYDRANT/WELL PARTS	1,909.13	1,909.13	12,000.00	10,090.87	15.9
5310-803-430625-255	SAFETY & RISK MANAGEMENT	.00	.00	500.00	500.00	.0
5310-803-430625-317	UTILITY LOCATE SERVICES	738.95	738.95	900.00	161.05	82.1
5310-803-430625-344	UTILITIES-GAS/ELECTRIC	7,509.00	7,509.00	12,500.00	4,991.00	60.1
5310-803-430625-361	REP & MAINT-GENERAL	9,797.41	9,797.41	12,000.00	2,202.59	81.7
5310-803-430625-362	REP & MAINT-VEHICLES	7,146.42	7,146.42	6,000.00	(1,146.42)	119.1
5310-803-430625-368	R&M-COMPUTER/OFFICE MACH	771.85	771.85	655.00	(116.85)	117.8
5310-803-430625-370	TRAVEL/LODGING/MEALS	29.36	29.36	750.00	720.64	3.9
5310-803-430625-380	TRAINING SERVICES	50.00	50.00	500.00	450.00	10.0
5310-803-430625-531	EQUIP RENTAL	5,364.00	5,364.00	6,000.00	636.00	89.4
5310-803-430625-983	MAINLINE REPLACEMENT	.00	.00	20,000.00	20,000.00	.0
	TOTAL SEWER SERVICES	277,972.22	277,972.22	321,302.00	43,329.78	86.5
	COLLECTION AND TRANSMISSION					
5310-803-430630-940	CAPITAL OUTLAY	.00	.00	32,000.00	32,000.00	.0
5310-803-430630-960	INFRASTRUCTURE/WATER/SEWE	.00	.00	397,460.00	397,460.00	.0
	TOTAL COLLECTION AND TRANSMISSION	.00	.00	429,460.00	429,460.00	.0

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	SEWER TREATMENT PLANT					
5310-803-430640-110	SALARIES AND WAGES	218,339.35	218,339.35	210,534.00	(7,805.35)	103.7
5310-803-430640-120	OVERTIME	12,272.36	12,272.36	13,000.00	727.64	94.4
5310-803-430640-141	UNEMPLOYMENT INSURANCE	832.83	832.83	1,249.00	416.17	66.7
5310-803-430640-142	WORKERS' COMPENSATION	9,493.86	9,493.86	13,853.00	4,359.14	68.5
5310-803-430640-143	HEALTH INSURANCE	43,965.01	43,965.01	43,968.00	2.99	100.0
5310-803-430640-144	F.I.C.A.	14,399.61	14,399.61	14,082.00	(317.61)	102.3
5310-803-430640-145	P.E.R.S.	20,654.50	20,654.50	19,920.00	(734.50)	103.7
5310-803-430640-148	CLOTHING ALLOWANCE	4,800.00	4,800.00	3,600.00	(1,200.00)	133.3
5310-803-430640-151	MEDICARE	3,367.62	3,367.62	3,293.00	(74.62)	102.3
5310-803-430640-222	CHEMICALS	37,740.37	37,740.37	20,000.00	(17,740.37)	188.7
5310-803-430640-225	LABORATORY SUPPLIES	10,609.52	10,609.52	14,000.00	3,390.48	75.8
5310-803-430640-231	REP & MAINT SUPPLIES	19,553.37	19,553.37	18,000.00	(1,553.37)	108.6
5310-803-430640-232	REP & MAINT-VEHICLES	865.95	865.95	750.00	(115.95)	115.5
5310-803-430640-236	FUEL/OIL/DIESEL	4,858.83	4,858.83	2,500.00	(2,358.83)	194.4
5310-803-430640-255	SAFETY & RISK MANAGEMENT	558.97	558.97	2,000.00	1,441.03	28.0
5310-803-430640-334	SUBSCRIPTIONS/DUES	444.88	444.88	750.00	305.12	59.3
5310-803-430640-341	UTILITIES-GAS/ELECTRIC	173,430.74	173,430.74	195,000.00	21,569.26	88.9
5310-803-430640-342	UTILITIES-WTR,SWR,GARB	22.86	22.86	5,000.00	4,977.14	.5
5310-803-430640-343	UTILITIES-PHONES	986.03	986.03	840.00	(146.03)	117.4
5310-803-430640-350	PROFESSIONAL SERVICES	17,278.99	17,278.99	12,000.00	(5,278.99)	144.0
5310-803-430640-355	WATER ANALYSIS & TREATMEN	58,639.42	58,639.42	61,920.00	3,280.58	94.7
5310-803-430640-357	SOFTWARE SERVICES	2,275.87	2,275.87	1,500.00	(775.87)	151.7
5310-803-430640-361	REP & MAINT-GENERAL	19,693.13	19,693.13	20,000.00	306.87	98.5
5310-803-430640-362	REP & MAINT-VEHICLES	165.52	165.52	1,500.00	1,334.48	11.0
5310-803-430640-368	R&M-COMPUTER/OFFICE MACH	4,616.11	4,616.11	5,211.00	594.89	88.6
5310-803-430640-370	TRAVEL/LODGING/MEALS	16.99	16.99	750.00	733.01	2.3
5310-803-430640-380	TRAINING SERVICES	1,125.72	1,125.72	1,500.00	374.28	75.1
5310-803-430640-396	DISPOSAL FEES	26,150.30	26,150.30	7,500.00	(18,650.30)	348.7
5310-803-430640-540	STATE FEE ASSESSMENTS	7,431.50	7,431.50	5,500.00	(1,931.50)	135.1
5310-803-430640-924	BUILDING IMPROV	.00	.00	6,000.00	6,000.00	.0
	TOTAL SEWER TREATMENT PLANT	714,590.21	714,590.21	705,720.00	(8,870.21)	101.3

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	CUSTOMER ACCTG/COLLECTION					
5310-803-430670-110	SALARIES AND WAGES	31,412.66	31,412.66	37,449.00	6,036.34	83.9
5310-803-430670-120	OVERTIME	229.58	229.58	1,250.00	1,020.42	18.4
5310-803-430670-141	UNEMPLOYMENT INSURANCE	111.79	111.79	213.00	101.21	52.5
5310-803-430670-142	WORKERS' COMPENSATION	330.17	330.17	516.00	185.83	64.0
5310-803-430670-143	HEALTH INSURANCE	8,242.14	8,242.14	10,992.00	2,749.86	75.0
5310-803-430670-144	F.I.C.A.	1,845.33	1,845.33	2,399.00	553.67	76.9
5310-803-430670-145	P.E.R.S.	2,776.01	2,776.01	3,394.00	617.99	81.8
5310-803-430670-151	MEDICARE	431.61	431.61	561.00	129.39	76.9
5310-803-430670-210	OFFICE SUPPLIES	.00	.00	200.00	200.00	.0
5310-803-430670-213	BILLING SUPPLIES	5,694.14	5,694.14	3,600.00	(2,094.14)	158.2
5310-803-430670-310	COMM/TRANS(POSTAGE)	3,439.66	3,439.66	5,600.00	2,160.34	61.4
5310-803-430670-357	SOFTWARE SERVICES	2,299.82	2,299.82	1,860.00	(439.82)	123.7
5310-803-430670-368	R&M-COMPUTER/OFFICE MACH	1,048.27	1,048.27	1,303.00	254.73	80.5
5310-803-430670-370	TRAVEL/LODGING/MEALS	.00	.00	700.00	700.00	.0
5310-803-430670-380	TRAINING SERVICES	199.00	199.00	500.00	301.00	39.8
5310-803-430670-630	PAYING AGENT FEES/SER CHG	5,978.39	5,978.39	3,000.00	(2,978.39)	199.3
	TOTAL CUSTOMER ACCTG/COLLECTION	64,038.57	64,038.57	73,537.00	9,498.43	87.1
	TOTAL PUBLIC WORKS	1,414,299.44	1,414,299.44	1,715,303.00	301,003.56	82.5
SEWER DEPARTMENT - DEBT SERVICE						
	DEBT SERVICE PAYMENTS					
5310-803-490500-610	PRINCIPAL	.00	.00	448,634.00	448,634.00	.0
5310-803-490500-620	INTEREST	326,265.26	326,265.26	331,721.00	5,455.74	98.4
5310-803-490500-630	PAYING AGENT FEES/SER CHG	.00	.00	350.00	350.00	.0
	TOTAL DEBT SERVICE PAYMENTS	326,265.26	326,265.26	780,705.00	454,439.74	41.8
	TOTAL DEBT SERVICE	326,265.26	326,265.26	780,705.00	454,439.74	41.8
SEWER DEPARTMENT - MISCELLANEOUS						
	OTHER UNALLOCATED COSTS					
5310-803-510331-131	COMPENSATED ABSENCES	(6,063.14)	(6,063.14)	.00	6,063.14	.0
5310-803-510331-132	OTHER POST EMPLOYMENT BENEFITS	5,081.00	5,081.00	.00	(5,081.00)	.0
5310-803-510331-511	CLAIMS PAID/DEDUCTIBLE	340.00	340.00	2,500.00	2,160.00	13.6
5310-803-510331-830	DEPRECIATION	1,251,923.74	1,251,923.74	.00	(1,251,923.74)	.0
	TOTAL OTHER UNALLOCATED COSTS	1,251,281.60	1,251,281.60	2,500.00	(1,248,781.60)	50051.
	TOTAL MISCELLANEOUS	1,251,281.60	1,251,281.60	2,500.00	(1,248,781.60)	50051.
SEWER DEPARTMENT - OTHER FINANCING USES						

CITY OF LIVINGSTON
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2021

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	INTERFUND OP TRANSFERS					
5310-803-521000-392	ADMINISTRATIVE COST ALLOC	236,627.28	236,627.28	187,595.00	(49,032.28)	126.1
	TOTAL INTERFUND OP TRANSFERS	236,627.28	236,627.28	187,595.00	(49,032.28)	126.1
	TOTAL OTHER FINANCING USES	236,627.28	236,627.28	187,595.00	(49,032.28)	126.1
	TOTAL SEWER DEPARTMENT	3,228,473.58	3,228,473.58	2,686,103.00	(542,370.58)	120.2
	TOTAL FUND EXPENDITURES	3,228,473.58	3,228,473.58	2,686,103.00	(542,370.58)	120.2
	NET REVENUE OVER EXPENDITURES	34,347.37	34,347.37	(101,612.00)	(135,959.37)	33.8

COMBINED CASH ACCOUNTS

CASH ALLOCATION RECONCILIATION

5210	ALLOCATION TO WATER	1,492,133.74
5310	ALLOCATION TO SEWER	698,483.44
	TOTAL ALLOCATIONS TO OTHER FUNDS	2,190,617.18
	ZERO PROOF IF ALLOCATIONS BALANCE	2,190,617.18

CITY OF LIVINGSTON
BALANCE SHEET
JUNE 30, 2022

WATER

	ASSETS			
5210-101000	CASH	1,492,133.74		
5210-102190	SYSTEM DEVELOPMENT FEES	818,325.87		
5210-103300	PETTY CASH - WATER DEPT	300.00		
	TOTAL CASH		2,310,759.61	
	SPECIAL ASSESSMENTS REC.			
5210-118014	2014 - ASSESSMENTS RECEIVABLE	154.89		
	TOTAL SPECIAL ASSESSMENTS REC.		154.89	
5210-122000	UTILITIES RECEIVABLE		185,858.50	
5210-122999	ACCOUNTS RECEIVABLE		5,690.97	
5210-141000	PREPAID INSURANCE		2,865.55	
5210-181000	LAND		52,980.00	
5210-182000	BUILDINGS		740,679.13	
5210-182100	ALLOW FOR DEPREC/BUILDINGS		(406,403.59)	
5210-184000	IMPROV OTHER THAN BUILDINGS		8,649.81	
5210-184100	ALLOW FOR DEPR/OTHER		(613.78)	
5210-186000	MACHINERY & EQUIPMENT		927,762.85	
5210-186100	ALLOW FOR DEPR/MACH & EQUIPMEN		(756,106.81)	
5210-188000	CONSTRUCTION IN PROGRESS		669,143.11	
5210-189100	SOURCE OF SUPPLY		1,254,897.33	
5210-189110	ALLOW FOR DEPR/SOURCE OF SUPPL		(934,237.84)	
5210-189300	TREATMENT PLANT		48,164.00	
5210-189310	ALLOW FOR DEPR/TREATMENT		(48,164.00)	
5210-189400	TRANSMISSION & DISTRIBUTION		10,180,536.27	
5210-189410	ALLOW FOR DEPR/TRANS-DISTRIB		(4,092,915.82)	
5210-199901	DEFERRED OUTFLOWS-OPEB		7,174.00	
5210-199905	DEFERRED OUTFLOW OF RESOURCES		82,228.86	
	TOTAL ASSETS			10,239,103.04
	LIABILITIES AND EQUITY			
	LIABILITIES			
5210-201000	PAYROLL PAYABLE		21,441.45	
5210-202000	ACCOUNTS PAYABLE		331,511.63	
5210-202500	UTILITY DEPOSITS PAYABLE		1,369.32	
5210-215100	OPEB LIABILITY		48,454.00	
5210-223805	DEFERRED INFLOWS OF RESOURCES		141,109.96	
5210-223806	DEFERRED INFLOWS OPEB		57,192.00	
5210-237000	NET PENSION LIABILITY		326,117.06	
5210-239000	COMPENSATED ABSENCES PAYABLE		27,036.86	
	TOTAL LIABILITIES			954,232.28
	FUND EQUITY			
5210-272000	UNRESERVED RETAINED EARNINGS		8,793,809.12	

CITY OF LIVINGSTON
BALANCE SHEET
JUNE 30, 2022

WATER

UNAPPROPRIATED FUND BALANCE:			
REVENUE OVER EXPENDITURES - YTD	491,061.63		
BALANCE - CURRENT DATE		491,061.63	
TOTAL FUND EQUITY			9,284,870.75
TOTAL LIABILITIES AND EQUITY			10,239,103.03

CITY OF LIVINGSTON
REVENUES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2022

WATER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	INTERGOVERNMENTAL REVENUES					
5210-335050	STATE SHARE PENSION	27,800.39	27,800.39	.00	(27,800.39)	.0
	TOTAL INTERGOVERNMENTAL REVENUES	27,800.39	27,800.39	.00	(27,800.39)	.0
	CHARGES FOR SERVICES					
5210-342055	BAD DEBT RECOVERY	(104.88)	(104.88)	.00	104.88	.0
5210-343021	METERED WATER SALES	1,752,560.78	1,752,560.78	1,567,784.10	(184,776.68)	111.8
5210-343022	WATER TAPS	7,050.00	7,050.00	7,500.00	450.00	94.0
5210-343024	SALE OF WATER MAT & SUPPL	35,104.26	35,104.26	25,000.00	(10,104.26)	140.4
5210-343026	SYSTEM DEVELOPMENT FEE	234,295.00	234,295.00	293,943.00	59,648.00	79.7
5210-343027	MISC. WATER REVENUES	30,370.63	30,370.63	4,000.00	(26,370.63)	759.3
	TOTAL CHARGES FOR SERVICES	2,059,275.79	2,059,275.79	1,898,227.10	(161,048.69)	108.5
	INVESTMENT EARNINGS					
5210-371010	INTEREST & DIVIDEND	2,245.81	2,245.81	4,000.00	1,754.19	56.2
	TOTAL INVESTMENT EARNINGS	2,245.81	2,245.81	4,000.00	1,754.19	56.2
	OTHER FINANCING SOURCES					
5210-383006	TRANSFER IN FROM FUND	.00	.00	8,040.00	8,040.00	.0
	TOTAL OTHER FINANCING SOURCES	.00	.00	8,040.00	8,040.00	.0
	TOTAL FUND REVENUE	2,089,321.99	2,089,321.99	1,910,267.10	(179,054.89)	109.4

WATER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
WATER DEPARTMENT - PUBLIC WORKS						
	WATER ADMINISTRATION					
5210-802-430510-110	SALARIES AND WAGES	133,659.17	133,659.17	59,262.00	(74,397.17)	225.5
5210-802-430510-120	OVERTIME	528.04	528.04	500.00	(28.04)	105.6
5210-802-430510-141	UNEMPLOYMENT INSURANCE	243.88	243.88	329.00	85.12	74.1
5210-802-430510-142	WORKERS' COMPENSATION	315.26	315.26	328.00	12.74	96.1
5210-802-430510-143	HEALTH INSURANCE	6,234.76	6,234.76	9,123.00	2,888.24	68.3
5210-802-430510-144	F.I.C.A.	3,210.26	3,210.26	3,705.00	494.74	86.7
5210-802-430510-145	P.E.R.S.	67,566.00	67,566.00	4,556.00	(63,010.00)	1483.0
5210-802-430510-151	MEDICARE	750.87	750.87	867.00	116.13	86.6
5210-802-430510-212	COMPUTER SUPPLIES	23.88	23.88	750.00	726.12	3.2
5210-802-430510-220	OPERATING SUPPLIES	812.00	812.00	1,200.00	388.00	67.7
5210-802-430510-224	JANITOR CONTRACT/SUPPLIES	2,035.89	2,035.89	1,500.00	(535.89)	135.7
5210-802-430510-331	LEGAL NOTICES	248.50	248.50	500.00	251.50	49.7
5210-802-430510-333	MEMBER/REGISTRATION FEES	1,187.50	1,187.50	1,500.00	312.50	79.2
5210-802-430510-346	INTERNET SERVICE	2,229.99	2,229.99	2,300.00	70.01	97.0
5210-802-430510-350	PROFESSIONAL SERVICES	4,170.37	4,170.37	25,000.00	20,829.63	16.7
5210-802-430510-357	SOFTWARE SERVICES	2,129.96	2,129.96	3,000.00	870.04	71.0
5210-802-430510-368	R&M-COMPUTER/OFFICE MACH	1,407.85	1,407.85	1,000.00	(407.85)	140.8
5210-802-430510-370	TRAVEL/LODGING/MEALS	12.73	12.73	750.00	737.27	1.7
5210-802-430510-380	TRAINING SERVICES	250.00	250.00	1,000.00	750.00	25.0
5210-802-430510-392	ADMINISTRATIVE COST ALLOC	87,391.00	87,391.00	.00	(87,391.00)	.0
5210-802-430510-394	INTERFUND GOVERNMENTAL SU	8,664.55	8,664.55	8,900.00	235.45	97.4
5210-802-430510-510	LIABILITY INSURANCE	23,388.00	23,388.00	20,991.00	(2,397.00)	111.4
5210-802-430510-512	INSURANCE ON BUILDINGS	5,364.00	5,364.00	513.00	(4,851.00)	1045.6
5210-802-430510-513	INS ON VEHICLES & EQUIP	1,367.00	1,367.00	1,302.00	(65.00)	105.0
5210-802-430510-535	LEASE AGREEMENTS	1,143.00	1,143.00	2,000.00	857.00	57.2
	TOTAL WATER ADMINISTRATION	354,334.46	354,334.46	150,876.00	(203,458.46)	234.9

CITY OF LIVINGSTON
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2022

WATER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	WATER SERVICES					
5210-802-430515-110	SALARIES AND WAGES	286,606.24	286,606.24	266,053.00	(20,553.24)	107.7
5210-802-430515-120	OVERTIME	33,662.21	33,662.21	26,000.00	(7,662.21)	129.5
5210-802-430515-141	UNEMPLOYMENT INSURANCE	1,470.49	1,470.49	1,643.00	172.51	89.5
5210-802-430515-142	WORKERS' COMPENSATION	18,006.33	18,006.33	17,498.00	(508.33)	102.9
5210-802-430515-143	HEALTH INSURANCE	58,630.47	58,630.47	60,456.00	1,825.53	97.0
5210-802-430515-144	F.I.C.A.	19,661.58	19,661.58	18,516.00	(1,145.58)	106.2
5210-802-430515-145	P.E.R.S.	28,436.55	28,436.55	26,840.00	(1,596.55)	106.0
5210-802-430515-148	CLOTHING ALLOWANCE	6,701.60	6,701.60	6,600.00	(101.60)	101.5
5210-802-430515-151	MEDICARE	4,598.31	4,598.31	4,330.00	(268.31)	106.2
5210-802-430515-231	REP & MAINT SUPPLIES	13,827.51	13,827.51	15,000.00	1,172.49	92.2
5210-802-430515-232	REP & MAINT-VEHICLES	16,392.77	16,392.77	5,000.00	(11,392.77)	327.9
5210-802-430515-236	FUEL/OIL/DIESEL	16,039.61	16,039.61	16,320.00	280.39	98.3
5210-802-430515-237	MAIN/HYDRANT/WELL PARTS	52,465.79	52,465.79	45,900.00	(6,565.79)	114.3
5210-802-430515-238	METER PARTS	47,566.32	47,566.32	80,000.00	32,433.68	59.5
5210-802-430515-255	SAFETY & RISK MANAGEMENT	344.31	344.31	500.00	155.69	68.9
5210-802-430515-317	UTILITY LOCATE SERVICES	884.42	884.42	1,000.00	115.58	88.4
5210-802-430515-341	UTILITIES-GAS/ELECTRIC	141,017.10	141,017.10	127,500.00	(13,517.10)	110.6
5210-802-430515-347	CELLULAR PHONE	2,737.48	2,737.48	3,200.00	462.52	85.6
5210-802-430515-350	PROFESSIONAL SERVICES	.00	.00	20,000.00	20,000.00	.0
5210-802-430515-355	WATER ANALYSIS & TREATMEN	15,168.17	15,168.17	15,000.00	(168.17)	101.1
5210-802-430515-361	REP & MAINT-GENERAL	6,896.22	6,896.22	9,000.00	2,103.78	76.6
5210-802-430515-362	REP & MAINT-VEHICLES	11,928.22	11,928.22	10,000.00	(1,928.22)	119.3
5210-802-430515-368	R&M-COMPUTER/OFFICE MACH	8,005.17	8,005.17	6,500.00	(1,505.17)	123.2
5210-802-430515-370	TRAVEL/LODGING/MEALS	263.80	263.80	1,275.00	1,011.20	20.7
5210-802-430515-380	TRAINING SERVICES	1,065.56	1,065.56	2,500.00	1,434.44	42.6
5210-802-430515-540	STATE FEE ASSESSMENTS	9,211.50	9,211.50	8,000.00	(1,211.50)	115.1
	TOTAL WATER SERVICES	801,587.73	801,587.73	794,631.00	(6,956.73)	100.9
	FACILITIES/CAPITAL OUTLAY					
5210-802-430520-220	OPERATING SUPPLIES	8,035.68	8,035.68	3,500.00	(4,535.68)	229.6
5210-802-430520-227	CAPITAL OUTLAY LESS THAN	.00	.00	7,500.00	7,500.00	.0
5210-802-430520-341	UTILITIES-GAS/ELECTRIC	3,000.34	3,000.34	2,500.00	(500.34)	120.0
5210-802-430520-342	UTILITIES-WTR,SWR,GARB	1,330.64	1,330.64	2,500.00	1,169.36	53.2
5210-802-430520-361	REP & MAINT-GENERAL	9,334.62	9,334.62	25,000.00	15,665.38	37.3
5210-802-430520-924	BUILDING IMPROV	.00	.00	93,000.00	93,000.00	.0
5210-802-430520-940	CAPITAL OUTLAY	.00	.00	99,000.00	99,000.00	.0
5210-802-430520-960	INFRASTRUCTURE/WATER/SEWE	.00	.00	1,015,000.00	1,015,000.00	.0
5210-802-430520-995	WELL REHAB	.00	.00	15,000.00	15,000.00	.0
	TOTAL FACILITIES/CAPITAL OUTLAY	21,701.28	21,701.28	1,263,000.00	1,241,298.72	1.7

CITY OF LIVINGSTON
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2022

WATER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	CUSTOMER ACCTG/COLLECTION					
5210-802-430570-110	SALARIES AND WAGES	33,861.82	33,861.82	39,471.00	5,609.18	85.8
5210-802-430570-120	OVERTIME	458.68	458.68	1,250.00	791.32	36.7
5210-802-430570-141	UNEMPLOYMENT INSURANCE	154.40	154.40	224.00	69.60	68.9
5210-802-430570-142	WORKERS' COMPENSATION	110.18	110.18	130.00	19.82	84.8
5210-802-430570-143	HEALTH INSURANCE	9,914.95	9,914.95	10,992.00	1,077.05	90.2
5210-802-430570-144	F.I.C.A.	2,120.17	2,120.17	2,525.00	404.83	84.0
5210-802-430570-145	P.E.R.S.	2,935.42	2,935.42	3,612.00	676.58	81.3
5210-802-430570-151	MEDICARE	495.85	495.85	590.00	94.15	84.0
5210-802-430570-213	BILLING SUPPLIES	1,690.85	1,690.85	4,800.00	3,109.15	35.2
5210-802-430570-310	COMM/TRANS(POSTAGE)	7,199.23	7,199.23	7,500.00	300.77	96.0
5210-802-430570-357	SOFTWARE SERVICES	1,865.21	1,865.21	1,900.00	34.79	98.2
5210-802-430570-368	R&M-COMPUTER/OFFICE MACH	1,843.77	1,843.77	1,200.00	(643.77)	153.7
5210-802-430570-370	TRAVEL/LODGING/MEALS	.00	.00	500.00	500.00	.0
5210-802-430570-380	TRAINING SERVICES	304.33	304.33	500.00	195.67	60.9
5210-802-430570-630	PAYING AGENT FEES/SER CHG	7,851.34	7,851.34	6,000.00	(1,851.34)	130.9
	TOTAL CUSTOMER ACCTG/COLLECTION	70,806.20	70,806.20	81,194.00	10,387.80	87.2
	TOTAL PUBLIC WORKS	1,248,429.67	1,248,429.67	2,289,701.00	1,041,271.33	54.5
WATER DEPARTMENT - MISCELLANEOUS						
	OTHER UNALLOCATED COSTS					
5210-802-510331-131	COMPENSATED ABSENCES	5,490.48	5,490.48	.00	(5,490.48)	.0
5210-802-510331-132	OTHER POST EMPLOYMENT BENEFITS	1,631.00	1,631.00	.00	(1,631.00)	.0
5210-802-510331-511	CLAIMS PAID/DEDUCTIBLE	.00	.00	1,500.00	1,500.00	.0
5210-802-510331-830	DEPRECIATION	342,709.21	342,709.21	.00	(342,709.21)	.0
	TOTAL OTHER UNALLOCATED COSTS	349,830.69	349,830.69	1,500.00	(348,330.69)	23322.
	TOTAL MISCELLANEOUS	349,830.69	349,830.69	1,500.00	(348,330.69)	23322.
WATER DEPARTMENT - OTHER FINANCING USES						
	INTERFUND OP TRANSFERS					
5210-802-521000-392	ADMINISTRATIVE COST ALLOC	.00	.00	175,430.00	175,430.00	.0
	TOTAL INTERFUND OP TRANSFERS	.00	.00	175,430.00	175,430.00	.0
	TOTAL OTHER FINANCING USES	.00	.00	175,430.00	175,430.00	.0
	TOTAL WATER DEPARTMENT	1,598,260.36	1,598,260.36	2,466,631.00	868,370.64	64.8
	TOTAL FUND EXPENDITURES	1,598,260.36	1,598,260.36	2,466,631.00	868,370.64	64.8
	NET REVENUE OVER EXPENDITURES	491,061.63	491,061.63	(556,363.90)	(1,047,425.53)	88.3

CITY OF LIVINGSTON
BALANCE SHEET
JUNE 30, 2022

SEWER

	ASSETS			
5310-101000	CASH	698,483.44		
5310-102170	RESERVED - INTERCAP LOAN	14,174.00		
5310-102171	RESERVE - DNRC	533,261.00		
5310-102172	RESERVE - USDA DEBT SERVICE	162,600.00		
5310-102190	SYSTEM DEVELOPMENT FEES	731,800.58		
5310-102240	SHORT-LIVED ASSET RESERVE	426,915.00		
	TOTAL CASH		2,567,234.02	
	SPECIAL ASSESSMENTS REC.			
5310-118014	2014 - ASSESSMENTS RECEIVABLE	115.97		
	TOTAL SPECIAL ASSESSMENTS REC.		115.97	
5310-122000	UTILITIES RECEIVABLE		287,153.03	
5310-132003	DUE FROM STATE REVOLVING FUND		22,500.00	
5310-141000	PREPAID INSURANCE		3,136.54	
5310-182000	BUILDINGS		4,366,269.51	
5310-182100	ALLOW FOR DEPREC/BUILDINGS		(3,410,632.87)	
5310-184000	IMPROV OTHER THAN BUILDINGS		8,649.81	
5310-184100	ALLOW FOR DEPR/OTHER		(613.78)	
5310-186000	MACHINERY & EQUIPMENT		1,280,777.92	
5310-186100	ALLOW FOR DEPR/MACH & EQUIPMEN		(994,823.39)	
5310-188000	CONSTRUCTION IN PROGRESS		127,542.96	
5310-189300	TREATMENT PLANT		23,532,236.34	
5310-189310	ALLOW FOR DEPR/TREATMENT		(5,005,329.73)	
5310-189400	TRANSMISSION & DISTRIBUTION		9,384,374.01	
5310-189410	ALLOW FOR DEPR/TRANS-DISTRIB		(3,694,290.95)	
5310-199901	DEFERRED OUTFLOWS-OPEB		7,113.00	
5310-199905	DEFERRED OUTFLOW OF RESOURCES		86,807.41	
	TOTAL ASSETS			28,568,219.80
	LIABILITIES AND EQUITY			
	LIABILITIES			
5310-201000	PAYROLL PAYABLE		25,601.57	
5310-202000	ACCOUNTS PAYABLE		59,435.59	
5310-215100	OPEB LIABILITY		48,045.00	
5310-223805	DEFERRED INFLOWS OF RESOURCES		148,967.03	
5310-223806	DEFERRED INFLOWS OPEB		56,709.00	
5310-231000	BONDS PAYABLE		14,307,835.24	
5310-231301	BONDS PAYABLE - ARRA B		148,000.00	
5310-237000	NET PENSION LIABILITY		344,275.44	
5310-239000	COMPENSATED ABSENCES PAYABLE		29,277.09	
	TOTAL LIABILITIES			15,168,145.96
	FUND EQUITY			

CITY OF LIVINGSTON
BALANCE SHEET
JUNE 30, 2022

SEWER

5310-250410	RESERVE FOR DNRC		710,035.00	
5310-250600	RESERVE FOR REPLACEMENT AND DE		426,915.00	
5310-272000	UNRESERVED RETAINED EARNINGS		12,287,209.09	
	UNAPPROPRIATED FUND BALANCE:			
	REVENUE OVER EXPENDITURES - YTD	(24,085.26)		
	BALANCE - CURRENT DATE		(24,085.26)	
	TOTAL FUND EQUITY			13,400,073.83
	TOTAL LIABILITIES AND EQUITY			28,568,219.79

CITY OF LIVINGSTON
REVENUES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2022

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	INTERGOVERNMENTAL REVENUES					
5310-335050	STATE SHARE PENSION	29,348.33	29,348.33	.00	(29,348.33)	.0
	TOTAL INTERGOVERNMENTAL REVENUES	29,348.33	29,348.33	.00	(29,348.33)	.0
	CHARGES FOR SERVICES					
5310-343031	SEWER SERVICE CHARGES	2,606,448.92	2,606,448.92	2,685,359.00	78,910.08	97.1
5310-343032	SEWER TAPS	7,640.00	7,640.00	5,000.00	(2,640.00)	152.8
5310-343036	MISC SEWER REVENUE	12,845.00	12,845.00	5,000.00	(7,845.00)	256.9
5310-343038	SYSTEM DEVELOPMENT FEE	293,566.00	293,566.00	373,953.00	80,387.00	78.5
	TOTAL CHARGES FOR SERVICES	2,920,499.92	2,920,499.92	3,069,312.00	148,812.08	95.2
	INVESTMENT EARNINGS					
5310-371010	INTEREST & DIVIDEND	2,421.66	2,421.66	6,500.00	4,078.34	37.3
	TOTAL INVESTMENT EARNINGS	2,421.66	2,421.66	6,500.00	4,078.34	37.3
	OTHER FINANCING SOURCES					
5310-383006	TRANSFER IN FROM FUND	.00	.00	8,050.00	8,050.00	.0
	TOTAL OTHER FINANCING SOURCES	.00	.00	8,050.00	8,050.00	.0
	TOTAL FUND REVENUE	2,952,269.91	2,952,269.91	3,083,862.00	131,592.09	95.7

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
SEWER DEPARTMENT - PUBLIC WORKS						
	SEWER ADMINISTRATION					
5310-803-430610-110	SALARIES AND WAGES	164,421.95	164,421.95	52,262.00	(112,159.95)	314.6
5310-803-430610-120	OVERTIME	544.91	544.91	500.00	(44.91)	109.0
5310-803-430610-141	UNEMPLOYMENT INSURANCE	250.41	250.41	290.00	39.59	86.4
5310-803-430610-142	WORKERS' COMPENSATION	324.62	324.62	311.00	(13.62)	104.4
5310-803-430610-143	HEALTH INSURANCE	6,351.47	6,351.47	9,343.00	2,991.53	68.0
5310-803-430610-144	F.I.C.A.	3,295.41	3,295.41	3,271.00	(24.41)	100.8
5310-803-430610-145	P.E.R.S.	(76,093.23)	(76,093.23)	4,680.00	80,773.23	(1625.
5310-803-430610-151	MEDICARE	770.87	770.87	765.00	(5.87)	100.8
5310-803-430610-210	OFFICE SUPPLIES	633.79	633.79	1,000.00	366.21	63.4
5310-803-430610-224	JANITOR CONTRACT/SUPPLIES	1,347.17	1,347.17	1,500.00	152.83	89.8
5310-803-430610-331	LEGAL NOTICES	512.00	512.00	400.00	(112.00)	128.0
5310-803-430610-346	INTERNET SERVICE	2,486.14	2,486.14	2,570.00	83.86	96.7
5310-803-430610-350	PROFESSIONAL SERVICES	14,750.00	14,750.00	.00	(14,750.00)	.0
5310-803-430610-352	CONSULTANT SERVICES	13,450.51	13,450.51	20,000.00	6,549.49	67.3
5310-803-430610-357	SOFTWARE SERVICES	1,219.72	1,219.72	1,500.00	280.28	81.3
5310-803-430610-368	R&M-COMPUTER/OFFICE MACH	1,442.90	1,442.90	1,010.00	(432.90)	142.9
5310-803-430610-392	ADMINISTRATIVE COST ALLOC	116,521.00	116,521.00	.00	(116,521.00)	.0
5310-803-430610-394	INTERFUND GOVERNMENTAL SU	8,664.55	8,664.55	8,900.00	235.45	97.4
5310-803-430610-510	LIABILITY INSURANCE	33,140.00	33,140.00	31,324.00	(1,816.00)	105.8
5310-803-430610-512	INSURANCE ON BUILDINGS	36,185.00	36,185.00	35,280.00	(905.00)	102.6
5310-803-430610-513	INS ON VEHICLES & EQUIP	2,428.00	2,428.00	2,300.00	(128.00)	105.6
5310-803-430610-535	LEASE AGREEMENTS	1,901.50	1,901.50	2,000.00	98.50	95.1
	TOTAL SEWER ADMINISTRATION	334,548.69	334,548.69	179,206.00	(155,342.69)	186.7
	FACILITIES					
5310-803-430620-220	OPERATING SUPPLIES	1,154.92	1,154.92	1,000.00	(154.92)	115.5
5310-803-430620-341	UTILITIES-GAS/ELECTRIC	3,000.35	3,000.35	2,500.00	(500.35)	120.0
5310-803-430620-342	UTILITIES-WTR,SWR,GARB	.00	.00	1,500.00	1,500.00	.0
5310-803-430620-347	CELLULAR PHONE	2,364.31	2,364.31	3,200.00	835.69	73.9
5310-803-430620-361	REP & MAINT-GENERAL	2,722.51	2,722.51	2,500.00	(222.51)	108.9
5310-803-430620-924	BUILDING IMPROV	.00	.00	93,000.00	93,000.00	.0
	TOTAL FACILITIES	9,242.09	9,242.09	103,700.00	94,457.91	8.9

CITY OF LIVINGSTON
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2022

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	SEWER SERVICES					
5310-803-430625-110	SALARIES AND WAGES	157,479.61	157,479.61	152,749.00	(4,730.61)	103.1
5310-803-430625-120	OVERTIME	12,448.26	12,448.26	13,500.00	1,051.74	92.2
5310-803-430625-141	UNEMPLOYMENT INSURANCE	776.78	776.78	931.00	154.22	83.4
5310-803-430625-142	WORKERS' COMPENSATION	9,663.39	9,663.39	9,916.00	252.61	97.5
5310-803-430625-143	HEALTH INSURANCE	25,717.01	25,717.01	27,480.00	1,762.99	93.6
5310-803-430625-144	F.I.C.A.	10,479.60	10,479.60	10,493.00	13.40	99.9
5310-803-430625-145	P.E.R.S.	15,022.66	15,022.66	15,012.00	(10.66)	100.1
5310-803-430625-148	CLOTHING ALLOWANCE	2,956.60	2,956.60	3,000.00	43.40	98.6
5310-803-430625-151	MEDICARE	2,450.86	2,450.86	2,454.00	3.14	99.9
5310-803-430625-223	MAINTENANCE CLOTHING	(33.00)	(33.00)	.00	33.00	.0
5310-803-430625-231	REP & MAINT SUPPLIES	6,624.58	6,624.58	8,000.00	1,375.42	82.8
5310-803-430625-232	REP & MAINT-VEHICLES	1,464.28	1,464.28	5,000.00	3,535.72	29.3
5310-803-430625-236	FUEL/OIL/DIESEL	8,678.52	8,678.52	8,160.00	(518.52)	106.4
5310-803-430625-237	MAIN/HYDRANT/WELL PARTS	4,335.65	4,335.65	20,000.00	15,664.35	21.7
5310-803-430625-255	SAFETY & RISK MANAGEMENT	324.31	324.31	500.00	175.69	64.9
5310-803-430625-317	UTILITY LOCATE SERVICES	884.43	884.43	1,000.00	115.57	88.4
5310-803-430625-344	UTILITIES-GAS/ELECTRIC	8,256.58	8,256.58	9,500.00	1,243.42	86.9
5310-803-430625-361	REP & MAINT-GENERAL	8,899.75	8,899.75	12,000.00	3,100.25	74.2
5310-803-430625-362	REP & MAINT-VEHICLES	6,902.27	6,902.27	8,000.00	1,097.73	86.3
5310-803-430625-368	R&M-COMPUTER/OFFICE MACH	3,308.40	3,308.40	3,000.00	(308.40)	110.3
5310-803-430625-370	TRAVEL/LODGING/MEALS	185.72	185.72	750.00	564.28	24.8
5310-803-430625-380	TRAINING SERVICES	59.00	59.00	500.00	441.00	11.8
5310-803-430625-531	EQUIP RENTAL	7,296.00	7,296.00	6,000.00	(1,296.00)	121.6
5310-803-430625-983	MAINLINE REPLACEMENT	.00	.00	20,000.00	20,000.00	.0
	TOTAL SEWER SERVICES	294,181.26	294,181.26	337,945.00	43,763.74	87.1
	COLLECTION AND TRANSMISSION					
5310-803-430630-940	CAPITAL OUTLAY	.00	.00	23,500.00	23,500.00	.0
5310-803-430630-960	INFRASTRUCTURE/WATER/SEWE	.00	.00	605,000.00	605,000.00	.0
	TOTAL COLLECTION AND TRANSMISSION	.00	.00	628,500.00	628,500.00	.0

CITY OF LIVINGSTON
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2022

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	SEWER TREATMENT PLANT					
5310-803-430640-110	SALARIES AND WAGES	208,840.35	208,840.35	201,371.00	(7,469.35)	103.7
5310-803-430640-120	OVERTIME	20,511.75	20,511.75	13,000.00	(7,511.75)	157.8
5310-803-430640-141	UNEMPLOYMENT INSURANCE	1,050.56	1,050.56	1,199.00	148.44	87.6
5310-803-430640-142	WORKERS' COMPENSATION	3,184.89	3,184.89	3,119.00	(65.89)	102.1
5310-803-430640-143	HEALTH INSURANCE	32,174.95	32,174.95	43,968.00	11,793.05	73.2
5310-803-430640-144	F.I.C.A.	14,161.37	14,161.37	13,514.00	(647.37)	104.8
5310-803-430640-145	P.E.R.S.	20,363.72	20,363.72	19,334.00	(1,029.72)	105.3
5310-803-430640-148	CLOTHING ALLOWANCE	4,200.00	4,200.00	3,600.00	(600.00)	116.7
5310-803-430640-151	MEDICARE	3,311.95	3,311.95	3,161.00	(150.95)	104.8
5310-803-430640-222	CHEMICALS	42,511.09	42,511.09	28,500.00	(14,011.09)	149.2
5310-803-430640-225	LABORATORY SUPPLIES	13,818.88	13,818.88	14,500.00	681.12	95.3
5310-803-430640-231	REP & MAINT SUPPLIES	19,761.14	19,761.14	18,600.00	(1,161.14)	106.2
5310-803-430640-232	REP & MAINT-VEHICLES	840.45	840.45	775.00	(65.45)	108.5
5310-803-430640-236	FUEL/OIL/DIESEL	2,171.46	2,171.46	3,500.00	1,328.54	62.0
5310-803-430640-255	SAFETY & RISK MANAGEMENT	2,436.54	2,436.54	2,100.00	(336.54)	116.0
5310-803-430640-334	SUBSCRIPTIONS/DUES	50.00	50.00	775.00	725.00	6.5
5310-803-430640-341	UTILITIES-GAS/ELECTRIC	210,722.23	210,722.23	200,100.00	(10,622.23)	105.3
5310-803-430640-342	UTILITIES-WTR,SWR,GARB	.00	.00	6,000.00	6,000.00	.0
5310-803-430640-343	UTILITIES-PHONES	856.16	856.16	866.00	9.84	98.9
5310-803-430640-350	PROFESSIONAL SERVICES	26,301.70	26,301.70	25,000.00	(1,301.70)	105.2
5310-803-430640-355	WATER ANALYSIS & TREATMEN	14,885.19	14,885.19	15,000.00	114.81	99.2
5310-803-430640-357	SOFTWARE SERVICES	6,271.25	6,271.25	5,000.00	(1,271.25)	125.4
5310-803-430640-361	REP & MAINT-GENERAL	48,069.39	48,069.39	20,600.00	(27,469.39)	233.4
5310-803-430640-362	REP & MAINT-VEHICLES	6,546.06	6,546.06	1,545.00	(5,001.06)	423.7
5310-803-430640-368	R&M-COMPUTER/OFFICE MACH	7,578.25	7,578.25	5,500.00	(2,078.25)	137.8
5310-803-430640-370	TRAVEL/LODGING/MEALS	55.92	55.92	1,500.00	1,444.08	3.7
5310-803-430640-380	TRAINING SERVICES	1,064.80	1,064.80	1,600.00	535.20	66.6
5310-803-430640-396	DISPOSAL FEES	.00	.00	25,000.00	25,000.00	.0
5310-803-430640-540	STATE FEE ASSESSMENTS	4,040.00	4,040.00	7,500.00	3,460.00	53.9
5310-803-430640-924	BUILDING IMPROV	.00	.00	26,000.00	26,000.00	.0
5310-803-430640-940	CAPITAL OUTLAY	.00	.00	60,000.00	60,000.00	.0
	TOTAL SEWER TREATMENT PLANT	715,780.05	715,780.05	772,227.00	56,446.95	92.7

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	CUSTOMER ACCTG/COLLECTION					
5310-803-430670-110	SALARIES AND WAGES	33,826.16	33,826.16	39,471.00	5,644.84	85.7
5310-803-430670-120	OVERTIME	457.77	457.77	1,250.00	792.23	36.6
5310-803-430670-141	UNEMPLOYMENT INSURANCE	154.24	154.24	224.00	69.76	68.9
5310-803-430670-142	WORKERS' COMPENSATION	110.08	110.08	130.00	19.92	84.7
5310-803-430670-143	HEALTH INSURANCE	9,904.92	9,904.92	10,992.00	1,087.08	90.1
5310-803-430670-144	F.I.C.A.	2,118.15	2,118.15	2,525.00	406.85	83.9
5310-803-430670-145	P.E.R.S.	2,932.19	2,932.19	3,612.00	679.81	81.2
5310-803-430670-151	MEDICARE	495.37	495.37	590.00	94.63	84.0
5310-803-430670-210	OFFICE SUPPLIES	.00	.00	200.00	200.00	.0
5310-803-430670-213	BILLING SUPPLIES	1,690.85	1,690.85	4,600.00	2,909.15	36.8
5310-803-430670-310	COMM/TRANS(POSTAGE)	7,199.20	7,199.20	5,600.00	(1,599.20)	128.6
5310-803-430670-357	SOFTWARE SERVICES	1,865.16	1,865.16	1,860.00	(5.16)	100.3
5310-803-430670-368	R&M-COMPUTER/OFFICE MACH	1,858.76	1,858.76	1,200.00	(658.76)	154.9
5310-803-430670-370	TRAVEL/LODGING/MEALS	.00	.00	700.00	700.00	.0
5310-803-430670-380	TRAINING SERVICES	324.14	324.14	500.00	175.86	64.8
5310-803-430670-630	PAYING AGENT FEES/SER CHG	7,851.37	7,851.37	6,000.00	(1,851.37)	130.9
	TOTAL CUSTOMER ACCTG/COLLECTION	70,788.36	70,788.36	79,454.00	8,665.64	89.1
	TOTAL PUBLIC WORKS	1,424,540.45	1,424,540.45	2,101,032.00	676,491.55	67.8
SEWER DEPARTMENT - DEBT SERVICE						
	DEBT SERVICE PAYMENTS					
5310-803-490500-610	PRINCIPAL	.00	.00	458,985.00	458,985.00	.0
5310-803-490500-620	INTEREST	316,311.60	316,311.60	321,667.00	5,355.40	98.3
5310-803-490500-630	PAYING AGENT FEES/SER CHG	.00	.00	350.00	350.00	.0
	TOTAL DEBT SERVICE PAYMENTS	316,311.60	316,311.60	781,002.00	464,690.40	40.5
	TOTAL DEBT SERVICE	316,311.60	316,311.60	781,002.00	464,690.40	40.5
SEWER DEPARTMENT - MISCELLANEOUS						
	OTHER UNALLOCATED COSTS					
5310-803-510331-131	COMPENSATED ABSENCES	(21,024.85)	(21,024.85)	.00	21,024.85	.0
5310-803-510331-132	OTHER POST EMPLOYMENT BENEFITS	(22,677.00)	(22,677.00)	.00	22,677.00	.0
5310-803-510331-830	DEPRECIATION	1,279,204.97	1,279,204.97	.00	(1,279,204.97)	.0
	TOTAL OTHER UNALLOCATED COSTS	1,235,503.12	1,235,503.12	.00	(1,235,503.12)	.0
	TOTAL MISCELLANEOUS	1,235,503.12	1,235,503.12	.00	(1,235,503.12)	.0
SEWER DEPARTMENT - OTHER FINANCING USES						

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	INTERFUND OP TRANSFERS					
5310-803-521000-392	ADMINISTRATIVE COST ALLOC	.00	.00	233,906.00	233,906.00	.0
	TOTAL INTERFUND OP TRANSFERS	.00	.00	233,906.00	233,906.00	.0
	TOTAL OTHER FINANCING USES	.00	.00	233,906.00	233,906.00	.0
	TOTAL SEWER DEPARTMENT	2,976,355.17	2,976,355.17	3,115,940.00	139,584.83	95.5
	TOTAL FUND EXPENDITURES	2,976,355.17	2,976,355.17	3,115,940.00	139,584.83	95.5
	NET REVENUE OVER EXPENDITURES	(24,085.26)	(24,085.26)	(32,078.00)	(7,992.74)	(75.1)

COMBINED CASH ACCOUNTS

CASH ALLOCATION RECONCILIATION

5210	ALLOCATION TO WATER	1,160,925.05
5310	ALLOCATION TO SEWER	805,856.85
	TOTAL ALLOCATIONS TO OTHER FUNDS	1,966,781.90
	ZERO PROOF IF ALLOCATIONS BALANCE	1,966,781.90

CITY OF LIVINGSTON
BALANCE SHEET
JUNE 30, 2023

WATER

	ASSETS			
5210-101000	CASH	1,160,925.05		
5210-102190	SYSTEM DEVELOPMENT FEES	931,507.35		
5210-103300	PETTY CASH - WATER DEPT	300.00		
	TOTAL CASH		2,092,732.40	
5210-122000	UTILITIES RECEIVABLE		253,719.27	
5210-122999	ACCOUNTS RECEIVABLE		4,576.67	
5210-132200	DUE FROM OTHER GOVERNMENTS		15,000.00	
5210-181000	LAND		52,980.00	
5210-182000	BUILDINGS		740,679.13	
5210-182100	ALLOW FOR DEPREC/BUILDINGS		(422,748.38)	
5210-184000	IMPROV OTHER THAN BUILDINGS		8,649.81	
5210-184100	ALLOW FOR DEPR/OTHER		(1,478.76)	
5210-186000	MACHINERY & EQUIPMENT		966,869.73	
5210-186100	ALLOW FOR DEPR/MACH & EQUIPMEN		(789,658.13)	
5210-188000	CONSTRUCTION IN PROGRESS		39,350.75	
5210-189100	SOURCE OF SUPPLY		1,257,879.68	
5210-189110	ALLOW FOR DEPR/SOURCE OF SUPPL		(963,653.30)	
5210-189300	TREATMENT PLANT		48,164.00	
5210-189310	ALLOW FOR DEPR/TREATMENT		(48,164.00)	
5210-189400	TRANSMISSION & DISTRIBUTION		11,568,189.17	
5210-189410	ALLOW FOR DEPR/TRANS-DISTRIB		(4,342,186.01)	
5210-199901	DEFERRED OUTFLOWS-OPEB		5,301.00	
5210-199905	DEFERRED OUTFLOW OF RESOURCES		72,896.27	
	TOTAL ASSETS			10,559,099.30
	LIABILITIES AND EQUITY			
	LIABILITIES			
5210-201000	PAYROLL PAYABLE		18,255.53	
5210-202000	ACCOUNTS PAYABLE		29,688.94	
5210-202500	UTILITY DEPOSITS PAYABLE		1,369.32	
5210-215100	OPEB LIABILITY		45,016.00	
5210-223805	DEFERRED INFLOWS OF RESOURCES		27,621.51	
5210-223806	DEFERRED INFLOWS OPEB		43,058.00	
5210-237000	NET PENSION LIABILITY		377,295.80	
5210-239000	COMPENSATED ABSENCES PAYABLE		32,564.92	
	TOTAL LIABILITIES			574,870.02
	FUND EQUITY			
5210-272000	UNRESERVED RETAINED EARNINGS		9,284,870.75	
	UNAPPROPRIATED FUND BALANCE:			
	REVENUE OVER EXPENDITURES - YTD	699,358.53		
	BALANCE - CURRENT DATE		699,358.53	

TOTAL FUND EQUITY	9,984,229.28
TOTAL LIABILITIES AND EQUITY	10,559,099.30

CITY OF LIVINGSTON
REVENUES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2023

WATER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	INTERGOVERNMENTAL REVENUES					
5210-334122	RRGL	15,000.00	15,000.00	.00	(15,000.00)	.0
5210-335050	STATE SHARE PENSION	11,712.05	11,712.05	.00	(11,712.05)	.0
	TOTAL INTERGOVERNMENTAL REVENUES	26,712.05	26,712.05	.00	(26,712.05)	.0
	CHARGES FOR SERVICES					
5210-342055	BAD DEBT RECOVERY	(143.29)	(143.29)	.00	143.29	.0
5210-343021	METERED WATER SALES	2,050,521.07	2,050,521.07	1,753,258.00	(297,263.07)	117.0
5210-343022	WATER TAPS	13,963.09	13,963.09	7,500.00	(6,463.09)	186.2
5210-343024	SALE OF WATER MAT & SUPPL	17,545.06	17,545.06	25,000.00	7,454.94	70.2
5210-343026	SYSTEM DEVELOPMENT FEE	113,181.48	113,181.48	194,810.00	81,628.52	58.1
5210-343027	MISC. WATER REVENUES	19,324.45	19,324.45	5,000.00	(14,324.45)	386.5
	TOTAL CHARGES FOR SERVICES	2,214,391.86	2,214,391.86	1,985,568.00	(228,823.86)	111.5
	MISCELLANEOUS REVENUES					
5210-363010	SPECIAL ASSESSMENTS	(154.89)	(154.89)	.00	154.89	.0
	TOTAL MISCELLANEOUS REVENUES	(154.89)	(154.89)	.00	154.89	.0
	INVESTMENT EARNINGS					
5210-371010	INTEREST & DIVIDEND	11,244.87	11,244.87	850.00	(10,394.87)	1322.9
	TOTAL INVESTMENT EARNINGS	11,244.87	11,244.87	850.00	(10,394.87)	1322.9
	TOTAL FUND REVENUE	2,252,193.89	2,252,193.89	1,986,418.00	(265,775.89)	113.4

WATER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
WATER DEPARTMENT - PUBLIC WORKS						
	WATER ADMINISTRATION					
5210-802-430510-110	SALARIES AND WAGES	154,552.87	154,552.87	63,892.00	(90,660.87)	241.9
5210-802-430510-120	OVERTIME	567.05	567.05	750.00	182.95	75.6
5210-802-430510-141	UNEMPLOYMENT INSURANCE	247.23	247.23	356.00	108.77	69.5
5210-802-430510-142	WORKERS' COMPENSATION	350.86	350.86	379.00	28.14	92.6
5210-802-430510-143	HEALTH INSURANCE	6,554.72	6,554.72	9,412.00	2,857.28	69.6
5210-802-430510-144	F.I.C.A.	3,297.89	3,297.89	4,008.00	710.11	82.3
5210-802-430510-145	P.E.R.S.	(36,609.22)	(36,609.22)	4,989.00	41,598.22	(733.8)
5210-802-430510-151	MEDICARE	771.23	771.23	937.00	165.77	82.3
5210-802-430510-191	STATE PENSION EXPENSE	367.06	367.06	.00	(367.06)	.0
5210-802-430510-210	OFFICE SUPPLIES	633.45	633.45	1,500.00	866.55	42.2
5210-802-430510-220	OPERATING SUPPLIES	88,701.69	88,701.69	1,000.00	(87,701.69)	8870.2
5210-802-430510-224	JANITOR CONTRACT/SUPPLIES	2,011.63	2,011.63	1,500.00	(511.63)	134.1
5210-802-430510-331	LEGAL NOTICES	41.50	41.50	700.00	658.50	5.9
5210-802-430510-333	MEMBER/REGISTRATION FEES	522.00	522.00	1,500.00	978.00	34.8
5210-802-430510-346	INTERNET SERVICE	2,147.29	2,147.29	2,300.00	152.71	93.4
5210-802-430510-350	PROFESSIONAL SERVICES	4,748.95	4,748.95	25,000.00	20,251.05	19.0
5210-802-430510-352	CONSULTANT SERVICES	6,426.44	6,426.44	.00	(6,426.44)	.0
5210-802-430510-357	SOFTWARE SERVICES	881.23	881.23	3,000.00	2,118.77	29.4
5210-802-430510-368	R&M-COMPUTER/OFFICE MACH	2,020.31	2,020.31	1,700.00	(320.31)	118.8
5210-802-430510-370	TRAVEL/LODGING/MEALS	133.23	133.23	1,000.00	866.77	13.3
5210-802-430510-380	TRAINING SERVICES	.00	.00	1,000.00	1,000.00	.0
5210-802-430510-394	INTERFUND GOVERNMENTAL SU	7,852.34	7,852.34	9,000.00	1,147.66	87.3
5210-802-430510-510	LIABILITY INSURANCE	24,531.75	24,531.75	26,525.00	1,993.25	92.5
5210-802-430510-512	INSURANCE ON BUILDINGS	6,622.00	6,622.00	5,364.00	(1,258.00)	123.5
5210-802-430510-513	INS ON VEHICLES & EQUIP	1,553.00	1,553.00	1,379.00	(174.00)	112.6
5210-802-430510-535	LEASE AGREEMENTS	1,143.00	1,143.00	2,000.00	857.00	57.2
	TOTAL WATER ADMINISTRATION	280,069.50	280,069.50	169,191.00	(110,878.50)	165.5

WATER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	WATER SERVICES					
5210-802-430515-110	SALARIES AND WAGES	257,313.17	257,313.17	310,815.00	53,501.83	82.8
5210-802-430515-120	OVERTIME	28,810.47	28,810.47	27,500.00	(1,310.47)	104.8
5210-802-430515-141	UNEMPLOYMENT INSURANCE	1,287.98	1,287.98	1,897.00	609.02	67.9
5210-802-430515-142	WORKERS' COMPENSATION	15,717.06	15,717.06	19,868.00	4,150.94	79.1
5210-802-430515-143	HEALTH INSURANCE	49,239.07	49,239.07	62,370.00	13,130.93	79.0
5210-802-430515-144	F.I.C.A.	17,589.51	17,589.51	21,385.00	3,795.49	82.3
5210-802-430515-145	P.E.R.S.	26,023.17	26,023.17	30,997.00	4,973.83	84.0
5210-802-430515-148	CLOTHING ALLOWANCE	5,183.40	5,183.40	6,600.00	1,416.60	78.5
5210-802-430515-151	MEDICARE	4,113.75	4,113.75	5,001.00	887.25	82.3
5210-802-430515-231	REP & MAINT SUPPLIES	12,931.56	12,931.56	20,000.00	7,068.44	64.7
5210-802-430515-232	REP & MAINT-VEHICLES	5,193.36	5,193.36	10,000.00	4,806.64	51.9
5210-802-430515-236	FUEL/OIL/DIESEL	14,718.06	14,718.06	15,000.00	281.94	98.1
5210-802-430515-237	MAIN/HYDRANT/WELL PARTS	64,831.51	64,831.51	50,000.00	(14,831.51)	129.7
5210-802-430515-238	METER PARTS	94,176.39	94,176.39	80,000.00	(14,176.39)	117.7
5210-802-430515-255	SAFETY & RISK MANAGEMENT	1,660.71	1,660.71	750.00	(910.71)	221.4
5210-802-430515-317	UTILITY LOCATE SERVICES	863.25	863.25	1,000.00	136.75	86.3
5210-802-430515-341	UTILITIES-GAS/ELECTRIC	186,911.84	186,911.84	145,000.00	(41,911.84)	128.9
5210-802-430515-347	CELLULAR PHONE	2,752.86	2,752.86	3,200.00	447.14	86.0
5210-802-430515-350	PROFESSIONAL SERVICES	171.00	171.00	15,000.00	14,829.00	1.1
5210-802-430515-355	WATER ANALYSIS & TREATMEN	19,100.11	19,100.11	20,000.00	899.89	95.5
5210-802-430515-361	REP & MAINT-GENERAL	9,376.82	9,376.82	10,000.00	623.18	93.8
5210-802-430515-362	REP & MAINT-VEHICLES	7,493.82	7,493.82	15,000.00	7,506.18	50.0
5210-802-430515-368	R&M-COMPUTER/OFFICE MACH	7,222.84	7,222.84	7,150.00	(72.84)	101.0
5210-802-430515-370	TRAVEL/LODGING/MEALS	151.58	151.58	1,275.00	1,123.42	11.9
5210-802-430515-380	TRAINING SERVICES	121.80	121.80	2,500.00	2,378.20	4.9
5210-802-430515-540	STATE FEE ASSESSMENTS	7,994.00	7,994.00	9,100.00	1,106.00	87.9
	TOTAL WATER SERVICES	840,949.09	840,949.09	891,408.00	50,458.91	94.3
	FACILITIES/CAPITAL OUTLAY					
5210-802-430520-220	OPERATING SUPPLIES	124.19	124.19	2,500.00	2,375.81	5.0
5210-802-430520-227	CAPITAL OUTLAY LESS THAN	123.46	123.46	5,000.00	4,876.54	2.5
5210-802-430520-341	UTILITIES-GAS/ELECTRIC	4,489.34	4,489.34	2,700.00	(1,789.34)	166.3
5210-802-430520-342	UTILITIES-WTR,SWR,GARB	.00	.00	2,500.00	2,500.00	.0
5210-802-430520-361	REP & MAINT-GENERAL	4,899.99	4,899.99	25,000.00	20,100.01	19.6
5210-802-430520-940	CAPITAL OUTLAY	.00	.00	144,000.00	144,000.00	.0
5210-802-430520-960	INFRASTRUCTURE/WATER/SEWE	.00	.00	572,215.00	572,215.00	.0
5210-802-430520-976	VEHICLES	.00	.00	40,000.00	40,000.00	.0
5210-802-430520-995	WELL REHAB	.00	.00	25,000.00	25,000.00	.0
	TOTAL FACILITIES/CAPITAL OUTLAY	9,636.98	9,636.98	818,915.00	809,278.02	1.2

CITY OF LIVINGSTON
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2023

WATER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	CUSTOMER ACCTG/COLLECTION					
5210-802-430570-110	SALARIES AND WAGES	41,267.09	41,267.09	42,674.00	1,406.91	96.7
5210-802-430570-120	OVERTIME	132.55	132.55	1,250.00	1,117.45	10.6
5210-802-430570-141	UNEMPLOYMENT INSURANCE	182.85	182.85	242.00	59.15	75.6
5210-802-430570-142	WORKERS' COMPENSATION	124.63	124.63	130.00	5.37	95.9
5210-802-430570-143	HEALTH INSURANCE	11,037.86	11,037.86	11,340.00	302.14	97.3
5210-802-430570-144	F.I.C.A.	2,568.41	2,568.41	2,723.00	154.59	94.3
5210-802-430570-145	P.E.R.S.	3,715.38	3,715.38	3,896.00	180.62	95.4
5210-802-430570-151	MEDICARE	600.61	600.61	637.00	36.39	94.3
5210-802-430570-213	BILLING SUPPLIES	2,989.57	2,989.57	4,800.00	1,810.43	62.3
5210-802-430570-310	COMM/TRANS(POSTAGE)	8,636.85	8,636.85	8,000.00	(636.85)	108.0
5210-802-430570-357	SOFTWARE SERVICES	2,202.12	2,202.12	2,000.00	(202.12)	110.1
5210-802-430570-368	R&M-COMPUTER/OFFICE MACH	1,127.38	1,127.38	1,600.00	472.62	70.5
5210-802-430570-370	TRAVEL/LODGING/MEALS	843.45	843.45	500.00	(343.45)	168.7
5210-802-430570-380	TRAINING SERVICES	369.66	369.66	500.00	130.34	73.9
5210-802-430570-630	PAYING AGENT FEES/SER CHG	9,710.58	9,710.58	8,000.00	(1,710.58)	121.4
	TOTAL CUSTOMER ACCTG/COLLECTION	85,508.99	85,508.99	88,292.00	2,783.01	96.9
	TOTAL PUBLIC WORKS	1,216,164.56	1,216,164.56	1,967,806.00	751,641.44	61.8
WATER DEPARTMENT - MISCELLANEOUS						
	OTHER UNALLOCATED COSTS					
5210-802-510331-131	COMPENSATED ABSENCES	5,528.06	5,528.06	.00	(5,528.06)	.0
5210-802-510331-132	OTHER POST EMPLOYMENT BENEFITS	(15,699.00)	(15,699.00)	.00	15,699.00	.0
5210-802-510331-511	CLAIMS PAID/DEDUCTIBLE	.00	.00	1,500.00	1,500.00	.0
5210-802-510331-830	DEPRECIATION	346,841.74	346,841.74	.00	(346,841.74)	.0
	TOTAL OTHER UNALLOCATED COSTS	336,670.80	336,670.80	1,500.00	(335,170.80)	22444.
	TOTAL MISCELLANEOUS	336,670.80	336,670.80	1,500.00	(335,170.80)	22444.
WATER DEPARTMENT - OTHER FINANCING USES						
	INTERFUND OP TRANSFERS					
5210-802-521000-392	ADMINISTRATIVE COST ALLOC	.00	.00	187,444.00	187,444.00	.0
	TOTAL INTERFUND OP TRANSFERS	.00	.00	187,444.00	187,444.00	.0
	TOTAL OTHER FINANCING USES	.00	.00	187,444.00	187,444.00	.0
	TOTAL WATER DEPARTMENT	1,552,835.36	1,552,835.36	2,156,750.00	603,914.64	72.0
	TOTAL FUND EXPENDITURES	1,552,835.36	1,552,835.36	2,156,750.00	603,914.64	72.0
	NET REVENUE OVER EXPENDITURES	699,358.53	699,358.53	(170,332.00)	(869,690.53)	410.6

CITY OF LIVINGSTON
BALANCE SHEET
JUNE 30, 2023

SEWER

	ASSETS			
5310-101000	CASH	805,856.85		
5310-102170	RESERVED - INTERCAP LOAN	14,174.00		
5310-102171	RESERVE - DNRC	533,261.00		
5310-102172	RESERVE - USDA DEBT SERVICE	162,600.00		
5310-102190	SYSTEM DEVELOPMENT FEES	871,243.90		
5310-102240	SHORT-LIVED ASSET RESERVE	523,575.00		
	TOTAL CASH		2,910,710.75	
5310-122000	UTILITIES RECEIVABLE		319,237.01	
5310-122999	ACCOUNTS RECEIVABLE		1,730.00	
5310-182000	BUILDINGS		4,366,269.51	
5310-182100	ALLOW FOR DEPREC/BUILDINGS		(3,491,173.72)	
5310-184000	IMPROV OTHER THAN BUILDINGS		8,649.81	
5310-184100	ALLOW FOR DEPR/OTHER		(1,478.76)	
5310-186000	MACHINERY & EQUIPMENT		1,296,251.49	
5310-186100	ALLOW FOR DEPR/MACH & EQUIPMEN		(1,058,145.77)	
5310-188000	CONSTRUCTION IN PROGRESS		164,202.27	
5310-189300	TREATMENT PLANT		23,546,291.94	
5310-189310	ALLOW FOR DEPR/TREATMENT		(5,881,196.18)	
5310-189400	TRANSMISSION & DISTRIBUTION		10,168,093.64	
5310-189410	ALLOW FOR DEPR/TRANS-DISTRIB		(3,953,353.10)	
5310-199901	DEFERRED OUTFLOWS-OPEB		6,839.00	
5310-199905	DEFERRED OUTFLOW OF RESOURCES		97,279.16	
	TOTAL ASSETS			28,500,207.05
	LIABILITIES AND EQUITY			
	LIABILITIES			
5310-201000	PAYROLL PAYABLE		23,438.92	
5310-202000	ACCOUNTS PAYABLE		30,755.82	
5310-215100	OPEB LIABILITY		58,076.00	
5310-223805	DEFERRED INFLOWS OF RESOURCES		36,860.56	
5310-223806	DEFERRED INFLOWS OPEB		55,550.00	
5310-231000	BONDS PAYABLE		13,866,584.71	
5310-231301	BONDS PAYABLE - ARRA B		130,000.00	
5310-237000	NET PENSION LIABILITY		503,496.52	
5310-239000	COMPENSATED ABSENCES PAYABLE		38,970.08	
	TOTAL LIABILITIES			14,743,732.61
	FUND EQUITY			
5310-250410	RESERVE FOR DNRC		710,035.00	
5310-250600	RESERVE FOR REPLACEMENT AND DE		523,575.00	
5310-272000	UNRESERVED RETAINED EARNINGS		12,166,463.83	

CITY OF LIVINGSTON
BALANCE SHEET
JUNE 30, 2023

SEWER

UNAPPROPRIATED FUND BALANCE:			
REVENUE OVER EXPENDITURES - YTD	356,400.61		
BALANCE - CURRENT DATE		356,400.61	
TOTAL FUND EQUITY			13,756,474.44
TOTAL LIABILITIES AND EQUITY			28,500,207.05

CITY OF LIVINGSTON
REVENUES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2023

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	INTERGOVERNMENTAL REVENUES					
5310-334121	DNRC GRANTS	312,727.00	312,727.00	313,000.00	273.00	99.9
5310-335050	STATE SHARE PENSION	15,629.59	15,629.59	.00	(15,629.59)	.0
	TOTAL INTERGOVERNMENTAL REVENUES	328,356.59	328,356.59	313,000.00	(15,356.59)	104.9
	CHARGES FOR SERVICES					
5310-342055	BAD DEBT RECOVERY	(62.28)	(62.28)	.00	62.28	.0
5310-343031	SEWER SERVICE CHARGES	2,696,011.84	2,696,011.84	2,703,741.00	7,729.16	99.7
5310-343032	SEWER TAPS	16,769.84	16,769.84	5,000.00	(11,769.84)	335.4
5310-343036	MISC SEWER REVENUE	2,105.00	2,105.00	5,000.00	2,895.00	42.1
5310-343038	SYSTEM DEVELOPMENT FEE	139,443.32	139,443.32	247,830.00	108,386.68	56.3
	TOTAL CHARGES FOR SERVICES	2,854,267.72	2,854,267.72	2,961,571.00	107,303.28	96.4
	MISCELLANEOUS REVENUES					
5310-363010	SPECIAL ASSESSMENTS	(115.97)	(115.97)	.00	115.97	.0
5310-365050	DONATIONS	15,000.00	15,000.00	.00	(15,000.00)	.0
	TOTAL MISCELLANEOUS REVENUES	14,884.03	14,884.03	.00	(14,884.03)	.0
	INVESTMENT EARNINGS					
5310-371010	INTEREST & DIVIDEND	13,168.86	13,168.86	1,000.00	(12,168.86)	1316.9
	TOTAL INVESTMENT EARNINGS	13,168.86	13,168.86	1,000.00	(12,168.86)	1316.9
	OTHER FINANCING SOURCES					
5310-383006	TRANSFER IN FROM FUND	400,000.00	400,000.00	.00	(400,000.00)	.0
	TOTAL OTHER FINANCING SOURCES	400,000.00	400,000.00	.00	(400,000.00)	.0
	TOTAL FUND REVENUE	3,610,677.20	3,610,677.20	3,275,571.00	(335,106.20)	110.2

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
SEWER DEPARTMENT - PUBLIC WORKS						
	SEWER ADMINISTRATION					
5310-803-430610-110	SALARIES AND WAGES	189,166.95	189,166.95	57,059.00	(132,107.95)	331.5
5310-803-430610-120	OVERTIME	585.53	585.53	750.00	164.47	78.1
5310-803-430610-141	UNEMPLOYMENT INSURANCE	254.20	254.20	318.00	63.80	79.9
5310-803-430610-142	WORKERS' COMPENSATION	361.96	361.96	365.00	3.04	99.2
5310-803-430610-143	HEALTH INSURANCE	6,681.96	6,681.96	9,639.00	2,957.04	69.3
5310-803-430610-144	F.I.C.A.	3,391.81	3,391.81	3,584.00	192.19	94.6
5310-803-430610-145	P.E.R.S.	56,947.58	56,947.58	5,128.00	(51,819.58)	1110.5
5310-803-430610-151	MEDICARE	793.20	793.20	838.00	44.80	94.7
5310-803-430610-191	STATE PENSION EXPENSE	489.84	489.84	.00	(489.84)	.0
5310-803-430610-210	OFFICE SUPPLIES	118,476.13	118,476.13	1,500.00	(116,976.13)	7898.4
5310-803-430610-224	JANITOR CONTRACT/SUPPLIES	2,011.56	2,011.56	1,500.00	(511.56)	134.1
5310-803-430610-331	LEGAL NOTICES	515.00	515.00	500.00	(15.00)	103.0
5310-803-430610-346	INTERNET SERVICE	3,020.19	3,020.19	2,570.00	(450.19)	117.5
5310-803-430610-352	CONSULTANT SERVICES	11,009.98	11,009.98	15,000.00	3,990.02	73.4
5310-803-430610-357	SOFTWARE SERVICES	463.00	463.00	1,500.00	1,037.00	30.9
5310-803-430610-368	R&M-COMPUTER/OFFICE MACH	1,624.65	1,624.65	1,700.00	75.35	95.6
5310-803-430610-394	INTERFUND GOVERNMENTAL SU	7,852.34	7,852.34	9,000.00	1,147.66	87.3
5310-803-430610-510	LIABILITY INSURANCE	28,336.57	28,336.57	28,581.00	244.43	99.1
5310-803-430610-512	INSURANCE ON BUILDINGS	44,618.00	44,618.00	36,185.00	(8,433.00)	123.3
5310-803-430610-513	INS ON VEHICLES & EQUIP	2,881.00	2,881.00	2,577.00	(304.00)	111.8
5310-803-430610-535	LEASE AGREEMENTS	1,901.50	1,901.50	2,000.00	98.50	95.1
	TOTAL SEWER ADMINISTRATION	481,382.95	481,382.95	180,294.00	(301,088.95)	267.0
	FACILITIES					
5310-803-430620-220	OPERATING SUPPLIES	82.15	82.15	1,000.00	917.85	8.2
5310-803-430620-341	UTILITIES-GAS/ELECTRIC	4,489.35	4,489.35	2,600.00	(1,889.35)	172.7
5310-803-430620-342	UTILITIES-WTR,SWR,GARB	.00	.00	1,500.00	1,500.00	.0
5310-803-430620-347	CELLULAR PHONE	1,856.92	1,856.92	3,200.00	1,343.08	58.0
5310-803-430620-361	REP & MAINT-GENERAL	442.75	442.75	2,500.00	2,057.25	17.7
	TOTAL FACILITIES	6,871.17	6,871.17	10,800.00	3,928.83	63.6

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	SEWER SERVICES					
5310-803-430625-110	SALARIES AND WAGES	128,628.47	128,628.47	159,808.00	31,179.53	80.5
5310-803-430625-120	OVERTIME	12,653.61	12,653.61	15,000.00	2,346.39	84.4
5310-803-430625-141	UNEMPLOYMENT INSURANCE	630.85	630.85	978.00	347.15	64.5
5310-803-430625-142	WORKERS' COMPENSATION	7,762.14	7,762.14	10,242.00	2,479.86	75.8
5310-803-430625-143	HEALTH INSURANCE	23,679.18	23,679.18	28,350.00	4,670.82	83.5
5310-803-430625-144	F.I.C.A.	8,918.30	8,918.30	11,024.00	2,105.70	80.9
5310-803-430625-145	P.E.R.S.	12,785.27	12,785.27	15,772.00	2,986.73	81.1
5310-803-430625-148	CLOTHING ALLOWANCE	2,538.40	2,538.40	3,000.00	461.60	84.6
5310-803-430625-151	MEDICARE	2,085.66	2,085.66	2,578.00	492.34	80.9
5310-803-430625-223	MAINTENANCE CLOTHING	(8.00)	(8.00)	.00	8.00	.0
5310-803-430625-231	REP & MAINT SUPPLIES	5,745.61	5,745.61	8,000.00	2,254.39	71.8
5310-803-430625-232	REP & MAINT-VEHICLES	3,243.26	3,243.26	5,000.00	1,756.74	64.9
5310-803-430625-236	FUEL/OIL/DIESEL	10,973.43	10,973.43	8,500.00	(2,473.43)	129.1
5310-803-430625-237	MAIN/HYDRANT/WELL PARTS	1,587.45	1,587.45	20,000.00	18,412.55	7.9
5310-803-430625-255	SAFETY & RISK MANAGEMENT	371.13	371.13	500.00	128.87	74.2
5310-803-430625-317	UTILITY LOCATE SERVICES	863.29	863.29	1,000.00	136.71	86.3
5310-803-430625-344	UTILITIES-GAS/ELECTRIC	8,200.94	8,200.94	9,500.00	1,299.06	86.3
5310-803-430625-361	REP & MAINT-GENERAL	155.18	155.18	12,000.00	11,844.82	1.3
5310-803-430625-362	REP & MAINT-VEHICLES	12,576.73	12,576.73	10,000.00	(2,576.73)	125.8
5310-803-430625-368	R&M-COMPUTER/OFFICE MACH	3,387.92	3,387.92	4,050.00	662.08	83.7
5310-803-430625-370	TRAVEL/LODGING/MEALS	204.36	204.36	750.00	545.64	27.3
5310-803-430625-380	TRAINING SERVICES	700.00	700.00	500.00	(200.00)	140.0
5310-803-430625-531	EQUIP RENTAL	.00	.00	3,600.00	3,600.00	.0
5310-803-430625-983	MAINLINE REPLACEMENT	.00	.00	20,000.00	20,000.00	.0
	TOTAL SEWER SERVICES	247,683.18	247,683.18	350,152.00	102,468.82	70.7
	COLLECTION AND TRANSMISSION					
5310-803-430630-225	LABORATORY SUPPLIES	31.91	31.91	.00	(31.91)	.0
5310-803-430630-940	CAPITAL OUTLAY	.00	.00	70,000.00	70,000.00	.0
5310-803-430630-960	INFRASTRUCTURE/WATER/SEWE	.00	.00	586,535.00	586,535.00	.0
	TOTAL COLLECTION AND TRANSMISSION	31.91	31.91	656,535.00	656,503.09	.0

CITY OF LIVINGSTON
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2023

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	SEWER TREATMENT PLANT					
5310-803-430640-110	SALARIES AND WAGES	237,931.89	237,931.89	268,598.00	30,666.11	88.6
5310-803-430640-120	OVERTIME	29,967.07	29,967.07	14,000.00	(15,967.07)	214.1
5310-803-430640-141	UNEMPLOYMENT INSURANCE	1,205.03	1,205.03	1,581.00	375.97	76.2
5310-803-430640-142	WORKERS' COMPENSATION	3,619.59	3,619.59	4,090.00	470.41	88.5
5310-803-430640-143	HEALTH INSURANCE	44,821.20	44,821.20	45,360.00	538.80	98.8
5310-803-430640-144	F.I.C.A.	16,744.98	16,744.98	17,819.00	1,074.02	94.0
5310-803-430640-145	P.E.R.S.	24,458.37	24,458.37	2,592.00	(21,866.37)	943.6
5310-803-430640-148	CLOTHING ALLOWANCE	4,611.00	4,611.00	4,800.00	189.00	96.1
5310-803-430640-151	MEDICARE	3,916.10	3,916.10	4,167.00	250.90	94.0
5310-803-430640-222	CHEMICALS	52,954.59	52,954.59	40,000.00	(12,954.59)	132.4
5310-803-430640-225	LABORATORY SUPPLIES	11,609.92	11,609.92	12,000.00	390.08	96.8
5310-803-430640-231	REP & MAINT SUPPLIES	14,372.71	14,372.71	25,000.00	10,627.29	57.5
5310-803-430640-232	REP & MAINT-VEHICLES	2,122.62	2,122.62	775.00	(1,347.62)	273.9
5310-803-430640-236	FUEL/OIL/DIESEL	1,280.78	1,280.78	3,500.00	2,219.22	36.6
5310-803-430640-255	SAFETY & RISK MANAGEMENT	1,916.30	1,916.30	2,100.00	183.70	91.3
5310-803-430640-334	SUBSCRIPTIONS/DUES	133.50	133.50	775.00	641.50	17.2
5310-803-430640-341	UTILITIES-GAS/ELECTRIC	214,242.30	214,242.30	205,000.00	(9,242.30)	104.5
5310-803-430640-342	UTILITIES-WTR,SWR,GARB	.00	.00	5,000.00	5,000.00	.0
5310-803-430640-343	UTILITIES-PHONES	1,045.25	1,045.25	900.00	(145.25)	116.1
5310-803-430640-350	PROFESSIONAL SERVICES	29,936.28	29,936.28	30,000.00	63.72	99.8
5310-803-430640-355	WATER ANALYSIS & TREATMEN	8,262.15	8,262.15	15,000.00	6,737.85	55.1
5310-803-430640-357	SOFTWARE SERVICES	5,100.00	5,100.00	5,500.00	400.00	92.7
5310-803-430640-361	REP & MAINT-GENERAL	37,708.48	37,708.48	70,000.00	32,291.52	53.9
5310-803-430640-362	REP & MAINT-VEHICLES	9,744.67	9,744.67	3,000.00	(6,744.67)	324.8
5310-803-430640-368	R&M-COMPUTER/OFFICE MACH	5,798.32	5,798.32	7,000.00	1,201.68	82.8
5310-803-430640-370	TRAVEL/LODGING/MEALS	227.84	227.84	600.00	372.16	38.0
5310-803-430640-380	TRAINING SERVICES	561.20	561.20	1,600.00	1,038.80	35.1
5310-803-430640-396	DISPOSAL FEES	52,545.72	52,545.72	30,000.00	(22,545.72)	175.2
5310-803-430640-540	STATE FEE ASSESSMENTS	6,500.00	6,500.00	10,000.00	3,500.00	65.0
5310-803-430640-924	BUILDING IMPROV	.00	.00	29,000.00	29,000.00	.0
5310-803-430640-940	CAPITAL OUTLAY	.00	.00	296,500.00	296,500.00	.0
	TOTAL SEWER TREATMENT PLANT	823,337.86	823,337.86	1,156,257.00	332,919.14	71.2

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	CUSTOMER ACCTG/COLLECTION					
5310-803-430670-110	SALARIES AND WAGES	41,267.09	41,267.09	42,674.00	1,406.91	96.7
5310-803-430670-120	OVERTIME	132.55	132.55	1,250.00	1,117.45	10.6
5310-803-430670-141	UNEMPLOYMENT INSURANCE	182.85	182.85	242.00	59.15	75.6
5310-803-430670-142	WORKERS' COMPENSATION	121.65	121.65	130.00	8.35	93.6
5310-803-430670-143	HEALTH INSURANCE	11,037.86	11,037.86	11,340.00	302.14	97.3
5310-803-430670-144	F.I.C.A.	2,568.41	2,568.41	2,723.00	154.59	94.3
5310-803-430670-145	P.E.R.S.	3,715.38	3,715.38	3,896.00	180.62	95.4
5310-803-430670-151	MEDICARE	600.61	600.61	637.00	36.39	94.3
5310-803-430670-210	OFFICE SUPPLIES	.00	.00	200.00	200.00	.0
5310-803-430670-213	BILLING SUPPLIES	1,930.57	1,930.57	4,800.00	2,869.43	40.2
5310-803-430670-310	COMM/TRANS(POSTAGE)	8,636.85	8,636.85	8,000.00	(636.85)	108.0
5310-803-430670-357	SOFTWARE SERVICES	2,202.12	2,202.12	2,000.00	(202.12)	110.1
5310-803-430670-368	R&M-COMPUTER/OFFICE MACH	1,127.38	1,127.38	1,600.00	472.62	70.5
5310-803-430670-370	TRAVEL/LODGING/MEALS	843.47	843.47	500.00	(343.47)	168.7
5310-803-430670-380	TRAINING SERVICES	369.67	369.67	500.00	130.33	73.9
5310-803-430670-630	PAYING AGENT FEES/SER CHG	9,710.59	9,710.59	8,000.00	(1,710.59)	121.4
	TOTAL CUSTOMER ACCTG/COLLECTION	84,447.05	84,447.05	88,492.00	4,044.95	95.4
	TOTAL PUBLIC WORKS	1,643,754.12	1,643,754.12	2,442,530.00	798,775.88	67.3
SEWER DEPARTMENT - DEBT SERVICE						
	DEBT SERVICE PAYMENTS					
5310-803-490500-610	PRINCIPAL	.00	.00	459,354.00	459,354.00	.0
5310-803-490500-620	INTEREST	306,110.72	306,110.72	306,258.00	147.28	100.0
5310-803-490500-630	PAYING AGENT FEES/SER CHG	.00	.00	400.00	400.00	.0
	TOTAL DEBT SERVICE PAYMENTS	306,110.72	306,110.72	766,012.00	459,901.28	40.0
	TOTAL DEBT SERVICE	306,110.72	306,110.72	766,012.00	459,901.28	40.0
SEWER DEPARTMENT - MISCELLANEOUS						
	OTHER UNALLOCATED COSTS					
5310-803-510331-131	COMPENSATED ABSENCES	9,692.99	9,692.99	.00	(9,692.99)	.0
5310-803-510331-132	OTHER POST EMPLOYMENT BENEFITS	9,146.00	9,146.00	.00	(9,146.00)	.0
5310-803-510331-511	CLAIMS PAID/DEDUCTIBLE	.00	.00	1,500.00	1,500.00	.0
5310-803-510331-830	DEPRECIATION	1,285,572.76	1,285,572.76	.00	(1,285,572.76)	.0
	TOTAL OTHER UNALLOCATED COSTS	1,304,411.75	1,304,411.75	1,500.00	(1,302,911.75)	86960.
	TOTAL MISCELLANEOUS	1,304,411.75	1,304,411.75	1,500.00	(1,302,911.75)	86960.
SEWER DEPARTMENT - OTHER FINANCING USES						

CITY OF LIVINGSTON
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 12 MONTHS ENDING JUNE 30, 2023

SEWER

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	INTERFUND OP TRANSFERS					
5310-803-521000-392	ADMINISTRATIVE COST ALLOC	.00	.00	249,925.00	249,925.00	.0
	TOTAL INTERFUND OP TRANSFERS	.00	.00	249,925.00	249,925.00	.0
	TOTAL OTHER FINANCING USES	.00	.00	249,925.00	249,925.00	.0
	TOTAL SEWER DEPARTMENT	3,254,276.59	3,254,276.59	3,459,967.00	205,690.41	94.1
	TOTAL FUND EXPENDITURES	3,254,276.59	3,254,276.59	3,459,967.00	205,690.41	94.1
	NET REVENUE OVER EXPENDITURES	356,400.61	356,400.61	(184,396.00)	(540,796.61)	193.3

Report Criteria:

Selected services: Water, Sewer

Rate Number: **101** Description: **Water - R1 - Res 5/8** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	10000	.00351	Rate	11			Rate
2	20000	.00369	Rate	12			Rate
3	40000	.00376	Rate	13			Rate
4	999999999	.00386	Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	15.21
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **102** Description: **Water - R2 - Res 3/4** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	10000	.00351	Rate	11			Rate
2	20000	.00369	Rate	12			Rate
3	40000	.00376	Rate	13			Rate
4	999999999	.00386	Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	15.21
Bill Minimum:	Yes
Minimum Amount:	.00

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	

Bill Maximum:	No	Revenue Non-Taxable:	
Maximum Amount:	.00	Contract A/R:	
Activate Units Base:	No	Assistance:	
Activate Units Usage:	No		
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

Rate Number: **103** Description: **Water - R3 - Res 1in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	15000		Rate	11			Rate
2	15000	.00369	Rate	12			Rate
3	40000	.00376	Rate	13			Rate
4	999999999	.00386	Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0	General Ledger Account Override	
High Usage Limit:	0	Cash:	
Sales Tax:	.000000	Accounts Receivable:	
Base Amount:	68.76	Deposits:	
Bill Minimum:	Yes	Deposit Interest:	
Minimum Amount:	.00	Write-offs:	
Bill Maximum:	No	Revenue Taxable:	
Maximum Amount:	.00	Revenue Non-Taxable:	
Activate Units Base:	No	Contract A/R:	
Activate Units Usage:	No	Assistance:	
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

Rate Number: **104** Description: **Water - R4 - Res 1 1/2in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	25000		Rate	11			Rate
2	5000	.00369	Rate	12			Rate
3	40000	.00376	Rate	13			Rate
4	999999999	.00386	Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate

9	Rate	19	Rate
10	Rate	20	Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	105.66
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **105** Description: **Water - R5 - Res 2in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	42000		Rate	11			Rate
2	28000	.00376	Rate	12			Rate
3	999999999	.00386	Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	169.23
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **106** Description: **Water - R6 - Res 3in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	60000		Rate	11			Rate
2	10000	.00376	Rate	12			Rate
3	999999999	.00386	Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	236.91
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **121** Description: **Water - C1 - Com 5/8** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	10000	.00351	Rate	11			Rate
2	20000	.00369	Rate	12			Rate
3	40000	.00376	Rate	13			Rate
4	999999999	.00386	Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	15.21
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

Rate Number: **122** Description: **Water - C2 - Com 3/4** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	7000		Rate	11			Rate
2	3000	.00351	Rate	12			Rate
3	20000	.00369	Rate	13			Rate
4	40000	.00376	Rate	14			Rate
5	999999999	.00386	Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	39.78
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **123** Description: **Water - C3 - Com 1 in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	15000		Rate	11			Rate
2	15000	.00369	Rate	12			Rate
3	40000	.00376	Rate	13			Rate
4	999999999	.00386	Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options General Ledger Account Override

Low Usage Limit:	0	Cash:	
High Usage Limit:	0	Accounts Receivable:	
Sales Tax:	.000000	Deposits:	
Base Amount:	68.76	Deposit Interest:	
Bill Minimum:	Yes	Write-offs:	
Minimum Amount:	.00	Revenue Taxable:	
Bill Maximum:	No	Revenue Non-Taxable:	
Maximum Amount:	.00	Contract A/R:	
Activate Units Base:	No	Assistance:	
Activate Units Usage:	No		
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

Rate Number: **124** Description: **Water - C4 - Com 1 1/2 in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	25000		Rate	11			Rate
2	5000	.00369	Rate	12			Rate
3	40000	.00376	Rate	13			Rate
4	999999999	.00386	Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

		General Ledger Account Override	
Low Usage Limit:	0	Cash:	
High Usage Limit:	0	Accounts Receivable:	
Sales Tax:	.000000	Deposits:	
Base Amount:	105.66	Deposit Interest:	
Bill Minimum:	Yes	Write-offs:	
Minimum Amount:	.00	Revenue Taxable:	
Bill Maximum:	No	Revenue Non-Taxable:	
Maximum Amount:	.00	Contract A/R:	
Activate Units Base:	No	Assistance:	
Activate Units Usage:	No		
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

Rate Number: **125** Description: **Water - C5 - Com 2 in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	42000		Rate	11			Rate
2	28000	.00376	Rate	12			Rate

3	999999999	.00386	Rate	13		Rate
4			Rate	14		Rate
5			Rate	15		Rate
6			Rate	16		Rate
7			Rate	17		Rate
8			Rate	18		Rate
9			Rate	19		Rate
10			Rate	20		Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	169.23
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **126** Description: **Water - C6 - Com 3 in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	60000		Rate	11			Rate
2	10000	.00376	Rate	12			Rate
3	999999999	.00386	Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	236.91
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Demand Quantity: 0
Demand Factor: 0
Custom Options:

Rate Number: **127** Description: **Water - C7 - Com 4 in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	100000		Rate	11			Rate
2	999999999	.00386	Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit: 0
High Usage Limit: 0
Sales Tax: .000000
Base Amount: 390.31
Bill Minimum: Yes
Minimum Amount: .00
Bill Maximum: No
Maximum Amount: .00
Activate Units Base: No
Activate Units Usage: No
Use Ascending Block Rate: No
Allow New Billings: Yes
Demand Amount: .0000
Demand Allowed: .00
Demand Quantity: 0
Demand Factor: 0
Custom Options:

General Ledger Account Override

Cash:
Accounts Receivable:
Deposits:
Deposit Interest:
Write-offs:
Revenue Taxable:
Revenue Non-Taxable:
Contract A/R:
Assistance:

Rate Number: **128** Description: **Water - C8 - Com 6 in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	275000		Rate	11			Rate
2	999999999	.00386	Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit: 0
High Usage Limit: 0
Sales Tax: .000000
Base Amount: 1,065.81

General Ledger Account Override

Cash:
Accounts Receivable:
Deposits:
Deposit Interest:

Bill Minimum:	Yes	Write-offs:	
Minimum Amount:	.00	Revenue Taxable:	
Bill Maximum:	No	Revenue Non-Taxable:	
Maximum Amount:	.00	Contract A/R:	
Activate Units Base:	No	Assistance:	
Activate Units Usage:	No		
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

Rate Number: **130** Description: **Water - Shut Off NP** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1			Rate	11			Rate
2			Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0	General Ledger Account Override	
High Usage Limit:	0	Cash:	
Sales Tax:	.000000	Accounts Receivable:	
Base Amount:	.00	Deposits:	
Bill Minimum:	No	Deposit Interest:	
Minimum Amount:	.00	Write-offs:	
Bill Maximum:	No	Revenue Taxable:	
Maximum Amount:	.00	Revenue Non-Taxable:	
Activate Units Base:	No	Contract A/R:	
Activate Units Usage:	No	Assistance:	
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

Rate Number: **131** Description: **Water - Outside City 5/8** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	10000	.00351	Rate	11			Rate
2	20000	.00369	Rate	12			Rate
3	40000	.00376	Rate	13			Rate
4	999999999	.00386	Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate

7		Rate	17		Rate
8		Rate	18		Rate
9		Rate	19		Rate
10		Rate	20		Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	15.21
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **132** Description: **Water - Outside City 3/4** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	7000		Rate	11			Rate
2	3000	.00351	Rate	12			Rate
3	20000	.00369	Rate	13			Rate
4	40000	.00376	Rate	14			Rate
5	999999999	.00386	Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	39.78
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **133** Description: **Water - Outside City - 1in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	15000		Rate	11			Rate
2	15000	.00369	Rate	12			Rate
3	40000	.00376	Rate	13			Rate
4	999999999	.00386	Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	68.76
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **140** Description: **Water - I8 - Ind 6 in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	275000		Rate	11			Rate
2	999999999	.00386	Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	1,065.81
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	

Activate Units Base:	No	Assistance:	
Activate Units Usage:	No		
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

Rate Number: **145** Description: **Water - Irrigation 5/8 Meter** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	1	15.21	Rate	11			Rate
2	9999	.00351	Rate	12			Rate
3	20000	.00369	Rate	13			Rate
4	40000	.00376	Rate	14			Rate
5	999999999	.00386	Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0	Cash:	
High Usage Limit:	0	Accounts Receivable:	
Sales Tax:	.000000	Deposits:	
Base Amount:	.00	Deposit Interest:	
Bill Minimum:	No	Write-offs:	
Minimum Amount:	.00	Revenue Taxable:	
Bill Maximum:	No	Revenue Non-Taxable:	
Maximum Amount:	.00	Contract A/R:	
Activate Units Base:	No	Assistance:	
Activate Units Usage:	No		
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

General Ledger Account Override

Rate Number: **150** Description: **Water - Snowbird** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	10000	.00351	Rate	11			Rate
2	20000	.00369	Rate	12			Rate
3	40000	.00376	Rate	13			Rate
4	999999999	.00386	Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	15.21
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **170** Description: **Water - Test Irr 5/8 in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	1	15.21	Rate	11			Rate
2	9999	.00351	Rate	12			Rate
3	20000	.00369	Rate	13			Rate
4	40000	.00376	Rate	14			Rate
5	999999999	.00386	Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	.00
Bill Minimum:	No
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **171** Description: **Water - Test Irr 3/4 in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	1	39.78	Rate	11			Rate

1	1	39.78	Rate	11	Rate
2	6999		Rate	12	Rate
3	3000	.00351	Rate	13	Rate
4	20000	.00369	Rate	14	Rate
5	40000	.00376	Rate	15	Rate
6	999999999	.00386	Rate	16	Rate
7			Rate	17	Rate
8			Rate	18	Rate
9			Rate	19	Rate
10			Rate	20	Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	.00
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **172** Description: **Water - Test Irr 1 in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	1	68.76	Rate	11			Rate
2	14999		Rate	12			Rate
3	15000	.00369	Rate	13			Rate
4	40000	.00376	Rate	14			Rate
5	999999999	.00386	Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	.00
Bill Minimum:	No
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Demand Amount: .0000
Demand Allowed: .00
Demand Quantity: 0
Demand Factor: 0
Custom Options:

Rate Number: **173** Description: **Water - Test Irr 1 1/2 in** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	1	105.66	Rate	11			Rate
2	24999		Rate	12			Rate
3	5000	.00369	Rate	13			Rate
4	40000	.00376	Rate	14			Rate
5	999999999	.00386	Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit: 0
High Usage Limit: 0
Sales Tax: .000000
Base Amount: .00
Bill Minimum: No
Minimum Amount: .00
Bill Maximum: No
Maximum Amount: .00
Activate Units Base: No
Activate Units Usage: No
Use Ascending Block Rate: No
Allow New Billings: Yes
Demand Amount: .0000
Demand Allowed: .00
Demand Quantity: 0
Demand Factor: 0
Custom Options:

General Ledger Account Override

Cash:
Accounts Receivable:
Deposits:
Deposit Interest:
Write-offs:
Revenue Taxable:
Revenue Non-Taxable:
Contract A/R:
Assistance:

Rate Number: **174** Description: **Water - Test Irr 2"** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	1	169.23	Rate	11			Rate
2	41999		Rate	12			Rate
3	28000	.00376	Rate	13			Rate
4	999999999	.00386	Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit: 0
High Usage Limit: 0

General Ledger Account Override

Cash:
Accounts Receivable:

Sales Tax:	.000000	Deposits:	
Base Amount:	.00	Deposit Interest:	
Bill Minimum:	No	Write-offs:	
Minimum Amount:	.00	Revenue Taxable:	
Bill Maximum:	No	Revenue Non-Taxable:	
Maximum Amount:	.00	Contract A/R:	
Activate Units Base:	No	Assistance:	
Activate Units Usage:	No		
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

Rate Number: **199** Description: **Water - None Bill** Service: **1 (Water)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1			Rate	11			Rate
2			Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

		General Ledger Account Override	
Low Usage Limit:	0	Cash:	
High Usage Limit:	0	Accounts Receivable:	
Sales Tax:	.000000	Deposits:	
Base Amount:	.00	Deposit Interest:	
Bill Minimum:	No	Write-offs:	
Minimum Amount:	.00	Revenue Taxable:	
Bill Maximum:	No	Revenue Non-Taxable:	
Maximum Amount:	.00	Contract A/R:	
Activate Units Base:	No	Assistance:	
Activate Units Usage:	No		
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

Rate Number: **301** Description: **Sewer - Average** Service: **3 (Sewer)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	999999999	.00841	Rate	11			Rate
2			Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate

5	Rate	15	Rate
6	Rate	16	Rate
7	Rate	17	Rate
8	Rate	18	Rate
9	Rate	19	Rate
10	Rate	20	Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	21.20
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **302** Description: **Sewer - Monthly Residential** Service: **3 (Sewer)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	999999999	.00841	Rate	11			Rate
2			Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	21.20
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Custom Options:

Rate Number: **305** Description: **Sewer - Monthly** Service: **3 (Sewer)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	999999999	.00841	Rate	11			Rate
2			Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	21.20
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **310** Description: **Sewer - Lift Station** Service: **3 (Sewer)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	999999999	.00841	Rate	11			Rate
2			Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	21.20
Bill Minimum:	Yes
Minimum Amount:	.00

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	

Bill Maximum:	No	Revenue Non-Taxable:	
Maximum Amount:	.00	Contract A/R:	
Activate Units Base:	No	Assistance:	
Activate Units Usage:	No		
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

Rate Number: **320** Description: **Sewer - Septic** Service: **3 (Sewer)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1			Rate	11			Rate
2			Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0	Cash:	
High Usage Limit:	0	Accounts Receivable:	
Sales Tax:	.000000	Deposits:	
Base Amount:	.00	Deposit Interest:	
Bill Minimum:	Yes	Write-offs:	
Minimum Amount:	.00	Revenue Taxable:	
Bill Maximum:	No	Revenue Non-Taxable:	
Maximum Amount:	.00	Contract A/R:	
Activate Units Base:	No	Assistance:	
Activate Units Usage:	No		
Use Ascending Block Rate:	No		
Allow New Billings:	Yes		
Demand Amount:	.0000		
Demand Allowed:	.00		
Demand Quantity:	0		
Demand Factor:	0		
Custom Options:			

General Ledger Account Override

Rate Number: **330** Description: **Sewer - Shut Off NP** Service: **3 (Sewer)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1			Rate	11			Rate
2			Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate

9	Rate	19	Rate
10	Rate	20	Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	.00
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **340** Description: **Sewer - SO 3,000** Service: **3 (Sewer)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1	999999999	46.43	Rate	11			Rate
2			Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	46.43
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

Rate Number: **350** Description: **Sewer - Snowbird** Service: **3 (Sewer)**

Rate Levels

Level	Quantity	Rate	Type	Level	Quantity	Rate	Type
1			Rate	11			Rate
2			Rate	12			Rate
3			Rate	13			Rate
4			Rate	14			Rate
5			Rate	15			Rate
6			Rate	16			Rate
7			Rate	17			Rate
8			Rate	18			Rate
9			Rate	19			Rate
10			Rate	20			Rate

Rate Options

Low Usage Limit:	0
High Usage Limit:	0
Sales Tax:	.000000
Base Amount:	.00
Bill Minimum:	Yes
Minimum Amount:	.00
Bill Maximum:	No
Maximum Amount:	.00
Activate Units Base:	No
Activate Units Usage:	No
Use Ascending Block Rate:	No
Allow New Billings:	Yes
Demand Amount:	.0000
Demand Allowed:	.00
Demand Quantity:	0
Demand Factor:	0
Custom Options:	

General Ledger Account Override

Cash:	
Accounts Receivable:	
Deposits:	
Deposit Interest:	
Write-offs:	
Revenue Taxable:	
Revenue Non-Taxable:	
Contract A/R:	
Assistance:	

APPENDIX 4
ALTERNATIVES WATERCAD REPORTS

Appendix 4.1.B - Alternative G2: Green Acres Replacement

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow Status	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (psi)	Demand (gpm)
J-705	1,000.00	Passed	2,435.34	20	49	J-643	86	2.69
J-747	1,000.00	Passed	2,430.02	20	32	J-643	81	1.79
J-777	1,000.00	Passed	2,435.41	20	45	J-643	85	2.69
J-778	1,000.00	Passed	2,435.32	20	36	J-643	78	2.69
1 - Hydrant Test	1,000.00	Passed	2,435.35	20	36	J-643	78	2.69
J-780	1,000.00	Passed	2,435.31	20	35	J-643	77	2.69
J-781	1,000.00	Passed	2,435.32	20	35	J-643	80	2.69
H-124	1,000.00	Passed	2,420.61	20	20	J-643	76	2.69
H-123	1,000.00	Passed	2,435.35	20	33	J-643	80	2.69
J-787	1,000.00	Passed	2,435.00	20	31	J-643	79	2.69
H-122	1,000.00	Passed	2,309.60	20	20	J-643	74	2.69
J-790	1,000.00	Passed	2,434.81	20	30	J-643	78	2.69
H-121	1,000.00	Passed	2,435.08	20	28	J-643	79	2.69
J-793	1,000.00	Passed	2,435.33	20	31	J-643	78	2.69
H-120	1,000.00	Passed	2,434.86	20	31	J-643	81	2.69
J-798	1,000.00	Passed	2,434.97	20	34	J-643	84	2.69
J-799	1,000.00	Passed	2,435.24	20	40	J-643	85	2.69
H-125	1,000.00	Passed	2,435.45	20	34	J-643	85	2.69
J-876	1,000.00	Passed	2,435.44	20	46	J-643	87	7.11
H-128	1,000.00	Passed	2,435.69	20	39	J-643	86	7.11
J-878	1,000.00	Passed	2,435.63	20	48	J-643	87	7.11
H-131	1,000.00	Passed	2,435.91	20	52	J-643	88	7.11
H-127	1,000.00	Passed	2,435.45	20	38	J-643	88	7.11
H-129	1,000.00	Passed	2,435.37	20	42	J-643	89	7.11
H-126	1,000.00	Passed	2,435.39	20	42	J-643	85	7.11
H-130	1,000.00	Passed	2,435.29	20	35	J-643	85	7.11
J-1084	1,000.00	Passed	2,420.34	20	20	J-1084	83	6.45
J-1096	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1097	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1098	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow Status	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (psi)	Demand (gpm)
J-1099	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1100	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1101	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1102	1,000.00	Passed	2,424.19	20	20	J-1103	77	2.69
J-1103	1,000.00	Passed	2,146.10	20	20	J-643	77	0.00
J-1104	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1105	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1106	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1107	1,000.00	Passed	2,112.67	20	20	J-643	73	0.00
J-1108	1,000.00	Passed	2,421.04	20	23	J-1107	76	0.00
J-1109	1,000.00	Passed	2,435.04	20	30	J-643	83	0.00
J-1110	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1111	1,000.00	Passed	2,436.40	20	58	J-643	91	7.11
J-1112	1,000.00	Passed	2,435.23	20	29	J-643	80	2.69
J-1113	1,000.00	Passed	2,435.42	20	33	J-643	79	0.00
J-1114	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1115	1,000.00	Passed	2,429.42	20	26	J-643	82	0.00
J-1116	1,000.00	Passed	2,435.10	20	56	J-643	89	7.11
J-1117	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1118	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1119	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1120	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1121	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1122	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1123	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1124	1,000.00	Passed	2,435.77	20	47	J-643	86	0.00
J-1125	1,000.00	(N/A)	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)
J-1126	1,000.00	Passed	2,435.68	20	47	J-643	87	7.11

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-705	1,000.00	2,392.24	20	50	J-643	Passed	86	1.99
J-747	1,000.00	2,386.81	20	33	J-643	Passed	81	1.79
J-777	1,000.00	2,392.11	20	47	J-643	Passed	85	1.99
J-778	1,000.00	2,392.08	20	37	J-643	Passed	78	1.99
1 - Hydrant Test	1,000.00	2,392.03	20	37	J-643	Passed	78	1.99
J-780	1,000.00	2,392.17	20	36	J-643	Passed	77	1.99
J-781	1,000.00	2,392.04	20	38	J-643	Passed	80	1.99
H-124	1,000.00	2,392.21	20	31	J-643	Passed	76	1.99
H-123	1,000.00	2,392.12	20	36	J-643	Passed	80	1.99
J-787	1,000.00	2,392.03	20	35	J-643	Passed	79	1.99
H-122	1,000.00	2,392.15	20	27	J-643	Passed	73	1.99
J-790	1,000.00	2,391.97	20	33	J-643	Passed	78	1.99
H-121	1,000.00	2,391.55	20	31	J-643	Passed	79	1.99
J-793	1,000.00	2,391.97	20	33	J-643	Passed	78	1.99
H-120	1,000.00	2,391.96	20	34	J-643	Passed	81	1.99
J-798	1,000.00	2,392.04	20	37	J-643	Passed	84	1.99
J-799	1,000.00	2,391.97	20	42	J-643	Passed	85	1.99
H-125	1,000.00	2,392.11	20	43	J-643	Passed	85	1.99
J-876	1,000.00	2,392.27	20	48	J-643	Passed	86	7.11
H-128	1,000.00	2,392.25	20	41	J-643	Passed	86	7.11
J-878	1,000.00	2,392.37	20	49	J-643	Passed	86	7.11
H-131	1,000.00	2,392.72	20	53	J-643	Passed	88	7.11
H-127	1,000.00	2,392.18	20	39	J-643	Passed	88	7.11
H-129	1,000.00	2,392.17	20	43	J-643	Passed	89	7.11
H-126	1,000.00	2,392.09	20	44	J-643	Passed	85	7.11
H-130	1,000.00	2,392.27	20	42	J-643	Passed	85	7.11
J-1084	1,000.00	2,414.96	20	20	J-1084	Passed	83	6.45
J-1096	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1097	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1098	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1099	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1100	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1101	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1102	1,000.00	2,392.02	20	31	J-643	Passed	77	1.99
J-1103	1,000.00	2,391.99	20	31	J-643	Passed	77	1.99
J-1104	1,000.00	2,392.02	20	31	J-643	Passed	75	1.99
J-1105	1,000.00	2,392.11	20	29	J-643	Passed	74	1.99
J-1106	1,000.00	2,391.41	20	26	J-643	Passed	73	1.99
J-1107	1,000.00	2,135.96	20	20	J-643	Passed	73	1.99
J-1108	1,000.00	2,391.95	20	25	J-643	Passed	76	0.00
J-1109	1,000.00	2,391.51	20	32	J-643	Passed	83	0.00
J-1110	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1111	1,000.00	2,393.03	20	59	J-643	Passed	90	7.11
J-1112	1,000.00	2,392.10	20	35	J-643	Passed	80	1.99
J-1113	1,000.00	2,392.09	20	36	J-643	Passed	79	1.99
J-1114	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1115	1,000.00	2,386.17	20	28	J-643	Passed	82	0.00
J-1116	1,000.00	2,391.95	20	57	J-643	Passed	89	7.11
J-1117	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1118	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1119	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1120	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1121	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1122	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1123	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1124	1,000.00	2,392.43	20	48	J-643	Passed	86	7.11

Fire Flow Node FlexTable:
Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-1125	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1126	1,000.00	2,392.40	20	48	J-643	Passed	86	7.11

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-705	1,000.00	2,386.56	20	45	J-643	Passed	86	1.79
J-747	1,000.00	2,385.78	20	53	J-643	Passed	81	1.79
J-777	1,000.00	2,386.71	20	49	J-643	Passed	85	2.69
J-778	1,000.00	2,386.55	20	38	J-643	Passed	83	2.69
1 - Hydrant Test	1,000.00	2,386.66	20	35	J-643	Passed	83	2.69
J-780	1,000.00	2,386.62	20	31	J-643	Passed	80	2.69
J-781	1,000.00	2,309.71	20	21	H-124	Passed	80	2.69
H-124	1,000.00	1,528.12	20	20	J-643	Passed	80	2.69
H-123	1,000.00	2,170.90	20	20	J-643	Passed	80	2.69
J-787	1,000.00	2,120.23	20	23	H-122	Passed	79	2.69
H-122	1,000.00	1,478.81	20	20	J-643	Passed	76	2.69
J-790	1,000.00	2,386.63	20	30	J-643	Passed	80	2.69
H-121	1,000.00	2,011.61	20	20	J-643	Passed	79	2.69
J-793	1,000.00	2,386.50	20	36	J-643	Passed	83	2.69
H-120	1,000.00	2,385.92	20	28	J-643	Passed	81	2.69
J-798	1,000.00	2,386.52	20	46	J-643	Passed	84	2.69
J-799	1,000.00	2,386.69	20	43	J-643	Passed	85	2.69
H-125	1,000.00	2,386.82	20	46	J-643	Passed	85	2.69
J-876	1,000.00	2,387.18	20	58	J-643	Passed	89	7.11
H-128	1,000.00	2,387.34	20	50	J-643	Passed	89	7.11
J-878	1,000.00	2,387.40	20	58	J-643	Passed	89	7.11
H-131	1,000.00	2,387.87	20	57	J-643	Passed	88	7.11
H-127	1,000.00	2,387.10	20	52	J-643	Passed	88	7.11
H-129	1,000.00	2,387.08	20	60	J-643	Passed	89	7.11
H-126	1,000.00	2,386.69	20	47	J-643	Passed	85	7.11
H-130	1,000.00	2,386.79	20	47	J-643	Passed	85	7.11
J-1084	1,000.00	3,499.99	20	25	J-1084	Passed	83	6.45
J-1096	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1097	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1098	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1099	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1100	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1101	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1102	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1103	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1104	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1105	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1106	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1107	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1108	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1109	1,000.00	2,386.36	20	46	J-643	Passed	83	2.69
J-1110	1,000.00	2,386.97	20	56	J-643	Passed	83	7.11
J-1111	1,000.00	2,388.19	20	61	J-643	Passed	91	7.11
J-1112	1,000.00	2,386.75	20	22	J-643	Passed	83	2.69
J-1113	1,000.00	2,377.56	20	20	J-643	Passed	81	2.69
J-1114	1,000.00	2,386.51	20	51	J-643	Passed	83	0.00
J-1115	1,000.00	2,385.93	20	53	J-643	Passed	82	0.00
J-1116	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1117	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1118	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1119	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1120	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1121	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1122	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1123	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1124	1,000.00	2,387.55	20	58	J-643	Passed	89	7.11

Fire Flow Node FlexTable:
Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-1125	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1126	1,000.00	2,387.29	20	58	J-643	Passed	89	7.11

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-705	1,000.00	2,384.10	20	28	J-643	Passed	86	1.79
J-747	1,000.00	2,379.02	20	33	J-643	Passed	81	1.79
J-777	1,000.00	2,384.44	20	36	J-643	Passed	85	2.69
J-778	1,000.00	2,298.44	20	24	H-122	Passed	83	2.69
1 - Hydrant Test	1,000.00	2,278.00	20	22	H-122	Passed	83	2.69
J-780	1,000.00	2,238.82	20	20	J-643	Passed	80	2.69
J-781	1,000.00	1,984.57	20	21	H-124	Passed	80	2.69
H-124	1,000.00	1,415.13	20	20	J-643	Passed	79	2.69
H-123	1,000.00	1,877.37	20	20	J-643	Passed	80	2.69
J-787	1,000.00	1,809.34	20	23	H-122	Passed	79	2.69
H-122	1,000.00	1,354.32	20	20	J-643	Passed	76	2.69
J-790	1,000.00	2,077.48	20	21	H-121	Passed	80	2.69
H-121	1,000.00	1,721.46	20	20	J-643	Passed	79	2.69
J-793	1,000.00	2,241.33	20	21	H-122	Passed	82	2.69
H-120	1,000.00	1,995.16	20	20	J-643	Passed	81	2.69
J-798	1,000.00	2,045.98	20	20	J-643	Passed	84	2.69
J-799	1,000.00	2,334.50	20	21	H-122	Passed	85	2.69
H-125	1,000.00	2,384.35	20	37	J-643	Passed	85	2.69
J-876	1,000.00	2,384.60	20	53	J-643	Passed	89	7.76
H-128	1,000.00	2,384.76	20	46	J-643	Passed	89	7.76
J-878	1,000.00	2,384.66	20	54	J-643	Passed	89	7.76
H-131	1,000.00	2,385.01	20	54	J-643	Passed	88	7.76
H-127	1,000.00	2,384.55	20	55	J-643	Passed	88	7.76
H-129	1,000.00	2,384.70	20	52	J-643	Passed	89	7.76
H-126	1,000.00	2,384.41	20	36	J-643	Passed	85	7.76
H-130	1,000.00	2,384.55	20	38	J-643	Passed	85	7.76
J-1084	1,000.00	2,412.89	20	20	J-1084	Passed	83	6.45
J-1096	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1097	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1098	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1099	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1100	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1101	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1102	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1103	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1104	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1105	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1106	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1107	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1108	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1109	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1110	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1111	1,000.00	2,385.23	20	59	J-643	Passed	90	7.76
J-1112	1,000.00	2,167.38	20	20	J-643	Passed	83	2.69
J-1113	1,000.00	2,104.35	20	20	J-643	Passed	81	2.69
J-1114	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1115	1,000.00	2,378.61	20	28	J-643	Passed	82	0.00
J-1116	1,000.00	2,384.59	20	58	J-643	Passed	89	7.76
J-1117	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1118	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1119	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1120	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1121	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1122	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1123	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1124	1,000.00	2,384.64	20	54	J-643	Passed	89	7.11

Fire Flow Node FlexTable:
Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-1125	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1126	1,000.00	2,384.55	20	53	J-643	Passed	89	7.76

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-705	1,000.00	2,310.16	20	51	J-643	Passed	86	1.79
J-747	1,000.00	2,304.91	20	35	J-643	Passed	81	1.79
J-777	1,000.00	2,310.18	20	48	J-643	Passed	85	2.83
J-778	1,000.00	2,309.92	20	37	J-643	Passed	83	2.83
1 - Hydrant Test	1,000.00	2,310.01	20	35	J-643	Passed	83	2.83
J-780	1,000.00	2,309.93	20	32	J-643	Passed	80	2.83
J-781	1,000.00	2,242.43	20	21	H-124	Passed	80	2.83
H-124	1,000.00	1,498.57	20	20	J-643	Passed	79	1.79
H-123	1,000.00	2,082.79	20	20	J-643	Passed	80	2.83
J-787	1,000.00	2,006.94	20	23	H-122	Passed	78	2.23
H-122	1,000.00	1,429.33	20	20	J-643	Passed	75	2.83
J-790	1,000.00	2,309.85	20	24	J-643	Passed	80	2.83
H-121	1,000.00	1,877.73	20	20	J-643	Passed	79	2.83
J-793	1,000.00	2,310.02	20	32	J-643	Passed	82	2.83
H-120	1,000.00	2,247.60	20	20	J-643	Passed	80	2.83
J-798	1,000.00	2,308.20	20	20	J-643	Passed	84	2.83
J-799	1,000.00	2,309.96	20	38	J-643	Passed	85	2.83
H-125	1,000.00	2,310.26	20	46	J-643	Passed	84	2.83
J-876	1,000.00	2,310.20	20	50	J-643	Passed	88	7.11
H-128	1,000.00	2,310.14	20	46	J-643	Passed	89	7.11
J-878	1,000.00	2,310.23	20	53	J-643	Passed	89	7.11
H-131	1,000.00	2,310.65	20	54	J-643	Passed	87	7.11
H-127	1,000.00	2,309.97	20	40	J-643	Passed	87	7.11
H-129	1,000.00	2,310.09	20	44	J-643	Passed	89	7.11
H-126	1,000.00	2,310.11	20	45	J-643	Passed	85	7.11
H-130	1,000.00	2,310.21	20	44	J-643	Passed	84	7.11
J-1084	1,000.00	2,392.48	20	20	J-1084	Passed	83	6.45
J-1096	1,000.00	2,310.02	20	41	J-643	Passed	83	8.08
J-1097	1,000.00	2,310.13	20	37	J-643	Passed	83	8.08
J-1098	1,000.00	2,309.94	20	34	J-643	Passed	83	8.08
J-1099	1,000.00	2,309.84	20	34	J-643	Passed	83	8.08
J-1100	1,000.00	2,309.91	20	37	J-643	Passed	83	8.08
J-1101	1,000.00	2,310.01	20	39	J-643	Passed	83	8.08
J-1102	1,000.00	2,309.94	20	37	J-643	Passed	83	0.00
J-1103	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1104	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1105	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1106	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1107	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1108	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1109	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1110	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1111	1,000.00	2,311.00	20	59	J-643	Passed	90	7.11
J-1112	1,000.00	2,309.99	20	39	J-643	Passed	82	2.83
J-1113	1,000.00	2,309.94	20	37	J-643	Passed	81	2.83
J-1114	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1115	1,000.00	2,304.64	20	30	J-643	Passed	82	0.00
J-1116	1,000.00	2,310.07	20	58	J-643	Passed	89	7.11
J-1117	1,000.00	2,310.11	20	45	J-643	Passed	83	0.00
J-1118	1,000.00	2,189.94	20	20	J-643	Passed	83	0.00
J-1119	1,000.00	2,310.02	20	38	J-643	Passed	83	8.08
J-1120	1,000.00	2,310.01	20	37	J-643	Passed	83	8.08
J-1121	1,000.00	2,309.95	20	35	J-643	Passed	83	8.08
J-1122	1,000.00	2,310.13	20	35	J-643	Passed	83	8.08
J-1123	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1124	1,000.00	2,310.14	20	52	J-643	Passed	89	7.11

Fire Flow Node FlexTable:
Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-1125	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1126	1,000.00	2,310.31	20	51	J-643	Passed	88	7.11

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-705	1,000.00	2,309.94	20	51	J-643	Passed	86	1.79
J-747	1,000.00	2,304.91	20	35	J-643	Passed	81	1.79
J-777	1,000.00	2,309.94	20	48	J-643	Passed	85	2.83
J-778	1,000.00	2,310.00	20	37	J-643	Passed	83	2.83
1 - Hydrant Test	1,000.00	2,310.07	20	35	J-643	Passed	83	2.83
J-780	1,000.00	2,310.02	20	32	J-643	Passed	80	2.83
J-781	1,000.00	2,242.71	20	21	H-124	Passed	80	2.83
H-124	1,000.00	1,498.66	20	20	J-643	Passed	79	1.79
H-123	1,000.00	2,082.97	20	20	J-643	Passed	80	2.83
J-787	1,000.00	2,007.09	20	23	H-122	Passed	78	2.23
H-122	1,000.00	1,429.39	20	20	J-643	Passed	75	2.83
J-790	1,000.00	2,309.85	20	24	J-643	Passed	80	2.83
H-121	1,000.00	1,877.82	20	20	J-643	Passed	79	2.83
J-793	1,000.00	2,310.05	20	32	J-643	Passed	82	2.83
H-120	1,000.00	2,247.71	20	20	J-643	Passed	80	2.83
J-798	1,000.00	2,308.30	20	20	J-643	Passed	84	2.83
J-799	1,000.00	2,310.04	20	38	J-643	Passed	85	2.83
H-125	1,000.00	2,310.21	20	46	J-643	Passed	84	2.83
J-876	1,000.00	2,310.16	20	50	J-643	Passed	88	7.11
H-128	1,000.00	2,310.16	20	46	J-643	Passed	89	7.11
J-878	1,000.00	2,310.29	20	53	J-643	Passed	89	7.11
H-131	1,000.00	2,310.62	20	54	J-643	Passed	87	7.11
H-127	1,000.00	2,309.97	20	40	J-643	Passed	87	7.11
H-129	1,000.00	2,310.09	20	44	J-643	Passed	89	7.11
H-126	1,000.00	2,310.12	20	45	J-643	Passed	85	7.11
H-130	1,000.00	2,310.22	20	44	J-643	Passed	84	7.11
J-1084	1,000.00	2,392.48	20	20	J-1084	Passed	83	6.45
J-1096	1,000.00	2,310.05	20	41	J-643	Passed	83	8.08
J-1097	1,000.00	2,309.91	20	36	J-643	Passed	83	8.08
J-1098	1,000.00	2,309.97	20	30	J-643	Passed	83	8.08
J-1099	1,000.00	2,309.93	20	30	J-643	Passed	83	8.08
J-1100	1,000.00	2,309.98	20	36	J-643	Passed	83	8.08
J-1101	1,000.00	2,309.96	20	39	J-643	Passed	83	8.08
J-1102	1,000.00	2,310.13	20	38	J-643	Passed	83	0.00
J-1103	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1104	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1105	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1106	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1107	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1108	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1109	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1110	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1111	1,000.00	2,311.00	20	59	J-643	Passed	90	7.11
J-1112	1,000.00	2,309.99	20	39	J-643	Passed	82	2.83
J-1113	1,000.00	2,309.92	20	37	J-643	Passed	81	2.83
J-1114	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1115	1,000.00	2,304.91	20	30	J-643	Passed	82	0.00
J-1116	1,000.00	2,310.11	20	58	J-643	Passed	89	7.11
J-1117	1,000.00	2,310.06	20	45	J-643	Passed	83	0.00
J-1118	1,000.00	2,123.84	20	20	J-643	Passed	83	0.00
J-1119	1,000.00	2,310.15	20	39	J-643	Passed	83	8.08
J-1120	1,000.00	2,309.91	20	38	J-643	Passed	83	8.08
J-1121	1,000.00	2,309.97	20	35	J-643	Passed	83	8.08
J-1122	1,000.00	2,309.90	20	35	J-643	Passed	83	8.08
J-1123	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1124	1,000.00	2,310.36	20	52	J-643	Passed	89	7.11

Fire Flow Node FlexTable:
Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-1125	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1126	1,000.00	2,310.28	20	51	J-643	Passed	88	7.11

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-705	1,000.00	2,391.88	20	54	J-643	Passed	86	1.79
J-747	1,000.00	2,386.68	20	33	J-643	Passed	81	1.79
J-777	1,000.00	2,392.15	20	52	J-643	Passed	85	2.83
J-778	1,000.00	2,391.80	20	37	J-643	Passed	83	2.83
1 - Hydrant Test	1,000.00	2,391.70	20	34	J-643	Passed	83	2.83
J-780	1,000.00	2,391.75	20	29	J-643	Passed	80	2.83
J-781	1,000.00	2,267.37	20	21	H-124	Passed	80	2.83
H-124	1,000.00	1,514.90	20	20	J-643	Passed	80	2.83
H-123	1,000.00	2,118.62	20	20	J-643	Passed	80	2.83
J-787	1,000.00	2,051.54	20	23	H-122	Passed	79	2.83
H-122	1,000.00	1,453.77	20	20	J-643	Passed	76	2.83
J-790	1,000.00	2,391.88	20	23	J-643	Passed	80	2.83
H-121	1,000.00	1,923.24	20	20	J-643	Passed	79	2.83
J-793	1,000.00	2,391.72	20	32	J-643	Passed	83	2.83
H-120	1,000.00	2,317.73	20	20	J-643	Passed	81	2.83
J-798	1,000.00	2,384.85	20	20	J-643	Passed	84	0.00
J-799	1,000.00	2,391.86	20	40	J-643	Passed	85	2.83
H-125	1,000.00	2,392.19	20	47	J-643	Passed	85	2.83
J-876	1,000.00	2,392.32	20	57	J-643	Passed	89	5.69
H-128	1,000.00	2,392.39	20	50	J-643	Passed	89	5.69
J-878	1,000.00	2,392.58	20	57	J-643	Passed	89	5.69
H-131	1,000.00	2,392.69	20	59	J-643	Passed	88	5.69
H-127	1,000.00	2,392.32	20	52	J-643	Passed	88	5.69
H-129	1,000.00	2,392.58	20	61	J-643	Passed	89	5.69
H-126	1,000.00	2,391.99	20	50	J-643	Passed	85	5.69
H-130	1,000.00	2,392.20	20	47	J-643	Passed	85	5.69
J-1084	1,000.00	2,415.71	20	20	J-1084	Passed	83	6.45
J-1096	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1097	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1098	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1099	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1100	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1101	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1102	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1103	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1104	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1105	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1106	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1107	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1108	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1109	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1110	1,000.00	2,392.69	20	56	J-643	Passed	83	5.69
J-1111	1,000.00	2,392.69	20	63	J-643	Passed	91	5.69
J-1112	1,000.00	2,391.72	20	22	J-643	Passed	83	2.83
J-1113	1,000.00	2,386.50	20	20	J-643	Passed	81	2.83
J-1114	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1115	1,000.00	2,385.99	20	28	J-643	Passed	82	0.00
J-1116	1,000.00	2,391.79	20	59	J-643	Passed	89	5.69
J-1117	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1118	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1119	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1120	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1121	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1122	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1123	1,000.00	2,392.43	20	58	J-643	Passed	88	5.69
J-1124	1,000.00	2,392.58	20	57	J-643	Passed	89	5.69

Fire Flow Node FlexTable:
Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-1125	1,000.00	2,392.58	20	59	J-643	Passed	89	5.69
J-1126	1,000.00	2,392.32	20	57	J-643	Passed	89	5.69

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-705	1,000.00	2,391.84	20	54	J-643	Passed	86	1.79
J-747	1,000.00	2,386.69	20	33	J-643	Passed	81	1.79
J-777	1,000.00	2,391.92	20	52	J-643	Passed	85	2.83
J-778	1,000.00	2,391.87	20	37	J-643	Passed	83	2.83
1 - Hydrant Test	1,000.00	2,391.92	20	34	J-643	Passed	83	2.83
J-780	1,000.00	2,391.74	20	29	J-643	Passed	80	2.83
J-781	1,000.00	2,268.59	20	21	H-124	Passed	80	2.83
H-124	1,000.00	1,515.31	20	20	J-643	Passed	80	2.83
H-123	1,000.00	2,119.60	20	20	J-643	Passed	80	2.83
J-787	1,000.00	2,052.48	20	23	H-122	Passed	79	2.83
H-122	1,000.00	1,454.14	20	20	J-643	Passed	76	2.83
J-790	1,000.00	2,391.62	20	23	J-643	Passed	80	2.83
H-121	1,000.00	1,923.94	20	20	J-643	Passed	79	2.83
J-793	1,000.00	2,391.87	20	32	J-643	Passed	83	2.83
H-120	1,000.00	2,318.84	20	20	J-643	Passed	81	2.83
J-798	1,000.00	2,385.94	20	20	J-643	Passed	84	0.00
J-799	1,000.00	2,391.75	20	40	J-643	Passed	85	2.83
H-125	1,000.00	2,392.14	20	47	J-643	Passed	85	2.83
J-876	1,000.00	2,392.58	20	58	J-643	Passed	89	5.69
H-128	1,000.00	2,392.49	20	51	J-643	Passed	89	5.69
J-878	1,000.00	2,392.58	20	59	J-643	Passed	89	5.69
H-131	1,000.00	2,392.43	20	59	J-643	Passed	88	5.69
H-127	1,000.00	2,392.32	20	52	J-643	Passed	88	5.69
H-129	1,000.00	2,392.58	20	61	J-643	Passed	89	5.69
H-126	1,000.00	2,392.20	20	50	J-643	Passed	85	5.69
H-130	1,000.00	2,392.08	20	47	J-643	Passed	85	5.69
J-1084	1,000.00	2,415.71	20	20	J-1084	Passed	83	6.45
J-1096	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1097	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1098	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1099	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1100	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1101	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1102	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1103	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1104	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1105	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1106	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1107	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1108	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1109	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1110	1,000.00	2,392.69	20	56	J-643	Passed	83	5.69
J-1111	1,000.00	2,392.69	20	63	J-643	Passed	91	5.69
J-1112	1,000.00	2,391.80	20	22	J-643	Passed	83	2.83
J-1113	1,000.00	2,388.26	20	20	J-643	Passed	81	2.83
J-1114	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1115	1,000.00	2,386.00	20	28	J-643	Passed	82	0.00
J-1116	1,000.00	2,391.79	20	59	J-643	Passed	89	5.69
J-1117	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1118	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1119	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1120	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1121	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1122	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1123	1,000.00	2,392.58	20	59	J-643	Passed	88	5.69
J-1124	1,000.00	2,392.58	20	59	J-643	Passed	89	5.69

Fire Flow Node FlexTable:
Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-1125	1,000.00	2,392.58	20	59	J-643	Passed	89	5.69
J-1126	1,000.00	2,392.58	20	58	J-643	Passed	89	5.69

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-705	1,000.00	2,392.04	20	54	J-643	Passed	86	1.79
J-747	1,000.00	2,386.66	20	33	J-643	Passed	81	1.79
J-777	1,000.00	2,392.08	20	52	J-643	Passed	85	2.83
J-778	1,000.00	2,391.77	20	37	J-643	Passed	83	2.83
1 - Hydrant Test	1,000.00	2,391.69	20	34	J-643	Passed	83	2.83
J-780	1,000.00	2,391.86	20	29	J-643	Passed	80	2.83
J-781	1,000.00	2,268.84	20	21	H-124	Passed	80	2.83
H-124	1,000.00	1,515.39	20	20	J-643	Passed	80	2.83
H-123	1,000.00	2,119.78	20	20	J-643	Passed	80	2.83
J-787	1,000.00	2,052.64	20	23	H-122	Passed	79	2.83
H-122	1,000.00	1,454.21	20	20	J-643	Passed	76	2.83
J-790	1,000.00	2,391.98	20	23	J-643	Passed	80	2.83
H-121	1,000.00	1,924.03	20	20	J-643	Passed	79	2.83
J-793	1,000.00	2,391.90	20	32	J-643	Passed	83	2.83
H-120	1,000.00	2,318.95	20	20	J-643	Passed	81	2.83
J-798	1,000.00	2,386.01	20	20	J-643	Passed	84	0.00
J-799	1,000.00	2,391.92	20	40	J-643	Passed	85	2.83
H-125	1,000.00	2,392.29	20	47	J-643	Passed	85	2.83
J-876	1,000.00	2,392.58	20	58	J-643	Passed	89	5.69
H-128	1,000.00	2,392.39	20	49	J-643	Passed	89	5.69
J-878	1,000.00	2,392.58	20	57	J-643	Passed	89	5.69
H-131	1,000.00	2,392.69	20	58	J-643	Passed	88	5.69
H-127	1,000.00	2,392.32	20	52	J-643	Passed	88	5.69
H-129	1,000.00	2,392.58	20	60	J-643	Passed	89	5.69
H-126	1,000.00	2,392.01	20	50	J-643	Passed	85	5.69
H-130	1,000.00	2,392.10	20	47	J-643	Passed	85	5.69
J-1084	1,000.00	2,415.69	20	20	J-1084	Passed	83	6.45
J-1096	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1097	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1098	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1099	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1100	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1101	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1102	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1103	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1104	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1105	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1106	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1107	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1108	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1109	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1110	1,000.00	2,392.69	20	56	J-643	Passed	83	5.69
J-1111	1,000.00	2,392.69	20	63	J-643	Passed	91	5.69
J-1112	1,000.00	2,391.85	20	22	J-643	Passed	83	2.83
J-1113	1,000.00	2,388.88	20	20	J-643	Passed	81	2.83
J-1114	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1115	1,000.00	2,385.97	20	28	J-643	Passed	82	0.00
J-1116	1,000.00	2,391.79	20	59	J-643	Passed	89	5.69
J-1117	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1118	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1119	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1120	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1121	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1122	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1123	1,000.00	2,392.69	20	56	J-643	Passed	88	5.69
J-1124	1,000.00	2,392.43	20	57	J-643	Passed	89	5.69

Fire Flow Node FlexTable:
Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-1125	1,000.00	2,392.43	20	56	J-643	Passed	89	5.69
J-1126	1,000.00	2,392.58	20	58	J-643	Passed	89	5.69

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-705	1,000.00	2,391.98	20	54	J-643	Passed	86	1.79
J-747	1,000.00	2,386.66	20	33	J-643	Passed	81	1.79
J-777	1,000.00	2,392.07	20	52	J-643	Passed	85	2.83
J-778	1,000.00	2,391.97	20	37	J-643	Passed	83	2.83
1 - Hydrant Test	1,000.00	2,391.78	20	34	J-643	Passed	83	2.83
J-780	1,000.00	2,391.73	20	29	J-643	Passed	80	2.83
J-781	1,000.00	2,269.28	20	21	H-124	Passed	80	2.83
H-124	1,000.00	1,515.54	20	20	J-643	Passed	80	2.83
H-123	1,000.00	2,120.14	20	20	J-643	Passed	80	2.83
J-787	1,000.00	2,052.98	20	23	H-122	Passed	79	2.83
H-122	1,000.00	1,454.34	20	20	J-643	Passed	76	2.83
J-790	1,000.00	2,391.56	20	23	J-643	Passed	80	2.83
H-121	1,000.00	1,924.30	20	20	J-643	Passed	79	2.83
J-793	1,000.00	2,391.74	20	32	J-643	Passed	83	2.83
H-120	1,000.00	2,319.38	20	20	J-643	Passed	81	2.83
J-798	1,000.00	2,386.44	20	20	J-643	Passed	84	0.00
J-799	1,000.00	2,391.84	20	40	J-643	Passed	85	2.83
H-125	1,000.00	2,392.16	20	47	J-643	Passed	85	2.83
J-876	1,000.00	2,392.58	20	58	J-643	Passed	89	5.69
H-128	1,000.00	2,392.43	20	50	J-643	Passed	89	5.69
J-878	1,000.00	2,392.43	20	57	J-643	Passed	89	5.69
H-131	1,000.00	2,392.69	20	58	J-643	Passed	88	5.69
H-127	1,000.00	2,392.32	20	52	J-643	Passed	88	5.69
H-129	1,000.00	2,392.58	20	60	J-643	Passed	89	5.69
H-126	1,000.00	2,392.22	20	50	J-643	Passed	85	5.69
H-130	1,000.00	2,392.21	20	47	J-643	Passed	85	5.69
J-1084	1,000.00	2,415.70	20	20	J-1084	Passed	83	6.45
J-1096	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1097	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1098	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1099	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1100	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1101	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1102	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1103	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1104	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1105	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1106	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1107	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1108	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1109	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1110	1,000.00	2,392.69	20	56	J-643	Passed	83	5.69
J-1111	1,000.00	2,392.69	20	63	J-643	Passed	91	5.69
J-1112	1,000.00	2,392.00	20	22	J-643	Passed	83	2.83
J-1113	1,000.00	2,389.45	20	20	J-643	Passed	81	2.83
J-1114	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1115	1,000.00	2,385.98	20	28	J-643	Passed	82	0.00
J-1116	1,000.00	2,391.79	20	59	J-643	Passed	89	5.69
J-1117	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1118	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1119	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1120	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1121	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1122	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1123	1,000.00	2,392.43	20	57	J-643	Passed	88	5.69
J-1124	1,000.00	2,392.43	20	58	J-643	Passed	89	5.69

Fire Flow Node FlexTable:
Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-1125	1,000.00	2,392.43	20	56	J-643	Passed	89	5.69
J-1126	1,000.00	2,392.58	20	58	J-643	Passed	89	5.69

APPENDIX 6
SELECTED ALTERNATIVE
WATERCAD REPORTS

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-705	1,000.00	2,336.85	20	54	J-643	Passed	86	1.99
J-747	1,000.00	2,331.51	20	34	J-643	Passed	81	1.79
J-777	1,000.00	2,336.83	20	53	J-643	Passed	85	1.99
J-778	1,000.00	2,336.72	20	44	J-643	Passed	78	1.99
1 - Hydrant Test	1,000.00	2,336.82	20	44	J-643	Passed	78	1.99
J-780	1,000.00	2,336.81	20	44	J-643	Passed	77	1.99
J-781	1,000.00	2,336.70	20	45	J-643	Passed	80	1.99
H-124	1,000.00	2,336.84	20	39	J-643	Passed	76	1.99
H-123	1,000.00	2,336.78	20	44	J-643	Passed	80	1.99
J-787	1,000.00	2,336.62	20	42	J-643	Passed	78	1.99
H-122	1,000.00	2,336.67	20	34	J-643	Passed	73	1.99
J-790	1,000.00	2,336.79	20	40	J-643	Passed	77	1.99
H-121	1,000.00	2,336.64	20	39	J-643	Passed	79	1.99
J-793	1,000.00	2,336.75	20	40	J-643	Passed	77	1.99
H-120	1,000.00	2,336.58	20	41	J-643	Passed	80	1.99
J-798	1,000.00	2,336.66	20	44	J-643	Passed	84	1.99
J-799	1,000.00	2,336.81	20	48	J-643	Passed	85	1.99
H-125	1,000.00	2,336.91	20	52	J-643	Passed	84	1.99
J-876	1,000.00	2,337.05	20	55	J-643	Passed	86	5.34
H-128	1,000.00	2,337.06	20	48	J-643	Passed	86	5.34
J-878	1,000.00	2,337.10	20	55	J-643	Passed	86	5.34
H-131	1,000.00	2,337.25	20	57	J-643	Passed	87	5.34
H-127	1,000.00	2,337.05	20	49	J-643	Passed	87	5.34
H-129	1,000.00	2,337.14	20	55	J-643	Passed	89	5.34
H-126	1,000.00	2,337.03	20	50	J-643	Passed	85	5.34
H-130	1,000.00	2,337.00	20	50	J-643	Passed	84	5.34
J-1084	1,000.00	2,394.62	20	20	J-1084	Passed	83	6.45
J-1096	1,000.00	2,336.95	20	49	J-643	Passed	83	8.08
J-1097	1,000.00	2,336.79	20	48	J-643	Passed	85	8.08
J-1098	1,000.00	2,336.86	20	46	J-643	Passed	87	8.08
J-1099	1,000.00	2,336.94	20	45	J-643	Passed	86	8.08
J-1100	1,000.00	2,336.81	20	46	J-643	Passed	84	8.08
J-1101	1,000.00	2,336.80	20	45	J-643	Passed	80	8.08
J-1102	1,000.00	2,336.76	20	42	J-643	Passed	77	1.99
J-1103	1,000.00	2,336.76	20	40	J-643	Passed	77	1.99
J-1104	1,000.00	2,336.63	20	39	J-643	Passed	75	1.99
J-1105	1,000.00	2,336.70	20	37	J-643	Passed	74	1.99
J-1106	1,000.00	2,336.59	20	34	J-643	Passed	73	1.99
J-1107	1,000.00	2,248.89	20	20	J-643	Passed	73	1.99
J-1108	1,000.00	2,336.63	20	32	J-643	Passed	75	1.99
J-1109	1,000.00	2,336.69	20	40	J-643	Passed	83	1.99
J-1110	1,000.00	2,337.35	20	59	J-643	Passed	89	5.34
J-1111	1,000.00	2,337.35	20	62	J-643	Passed	90	5.34
J-1112	1,000.00	2,336.94	20	46	J-643	Passed	80	1.99
J-1113	1,000.00	2,336.76	20	45	J-643	Passed	79	1.99
J-1114	1,000.00	(N/A)	20	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
J-1115	1,000.00	2,331.61	20	29	J-643	Passed	82	0.00
J-1116	1,000.00	2,336.57	20	59	J-643	Passed	89	5.34
J-1117	1,000.00	2,336.99	20	53	J-643	Passed	86	5.34
J-1118	1,000.00	2,336.25	20	28	J-643	Passed	89	8.08
J-1119	1,000.00	2,336.98	20	48	J-643	Passed	84	8.08
J-1120	1,000.00	2,336.91	20	45	J-643	Passed	82	8.08
J-1121	1,000.00	2,336.87	20	44	J-643	Passed	84	8.08
J-1122	1,000.00	2,336.86	20	47	J-643	Passed	86	8.08
J-1123	1,000.00	2,337.25	20	56	J-643	Passed	88	5.34
J-1124	1,000.00	2,337.19	20	55	J-643	Passed	86	5.34

Fire Flow Node FlexTable:
Fire Flow Results Table

Label	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Junction w/ Minimum Pressure (Zone)	Fire Flow Status	Pressure (psi)	Demand (gpm)
J-1125	1,000.00	2,337.25	20	56	J-643	Passed	88	5.34
J-1126	1,000.00	2,337.06	20	55	J-643	Passed	86	5.34

File Attachments for Item:

B. UPDATE ON CITY STORMWATER UTILITY

LivingstonMontana.org | PublicComment@LivingstonMontana.org | 406.823.6000

DATE: September 16, 2025

TO: Chair Schwarz and City Commissioners

FROM: Grant Gager, City Manager

RE: Staff Report for Stormwater Utility Update

Recommendation and Summary

The City Manager is presenting an update to the City Commission regarding the development of a stormwater utility. As such, a motion is neither requested or required. However, the City Manager welcomes any guidance or direction the Commission may wish to provide.

The reasons for the update are as follows:

- The City of Livingston has previously completed both a Preliminary Engineering Report for a Stormwater Drainage System as well as a Stormwater Utility Feasibility Study.
- City staff continues to work with Headwaters Economics and AE2S assessing a stormwater utility.

Introduction and History

The Livingston City Commission has indicated a desire to evaluate the creation of a mechanism to manage stormwater in Livingston in preparation for regulatory requirements requiring treatment of stormwater. In April 2023, the City Engineer presented the findings of the Preliminary Engineering Report to the City Commission.

In November 2023, the City Commission approved a data sharing agreement with Headwaters Economics to receive access to certain flood related data. During that project, the City team became aware of an opportunity to have a stormwater utility feasibility study performed by AE2S and Headwaters through grant funding. In December 2024, AE2S and Headwaters presented the Stormwater Utility Feasibility Study (Attachment A) to the City Commission which contained several recommendations to proceed.

Since the December 2024 presentation, City staff has worked to advance the recommendations in the feasibility study, as directed by the Commission. In early 2025, the City applied for funding from the United States Department of Environmental Protection's Mountain and Plains Environmental Justice Grant Hub to continue the project. While the City was named a finalist in March 2025, the

funding for the Grant Hub was cancelled in May 2025. Subsequently, the City was notified in June 2025 that it was eligible for private grant funding to continue studying the development and implementation of a stormwater utility. In July, Headwaters and AE2S signed a grant-funded agreement to continue supporting the City of Livingston's effort to develop a stormwater utility.

Analysis

The current work with AE2S and Headwaters includes the following tasks:

1. Spatial Data Analysis: Analyze property impervious area by digitizing impervious area surfaces for approximately 388 commercial (100% of total), 186 multi-family (100% of total), and 165 single-family properties (5% of total). Analyze spatial analysis and impervious areas as they relate to rate setting.
2. Billing System Update Process: Develop a tailored billing update strategy based on existing workflows and recommended procedural and policy adjustments to help maintain billing system accuracy and to plan for timely updates.
3. Ordinance and Policy Development: Development of documents and processes related to: (1) establishing individual property review and administrative adjustments, and (2) developing required ordinances, rate resolution, and other legal documentation to establish the Stormwater Utility per local policy and state laws and regulations.

As the above project work is advanced, the project team will report back to the City Commission on the above items, and others, to support the Commission's consideration of a stormwater utility.

Fiscal Impact

There is no fiscal impact to this presentation.

Strategic Alignment

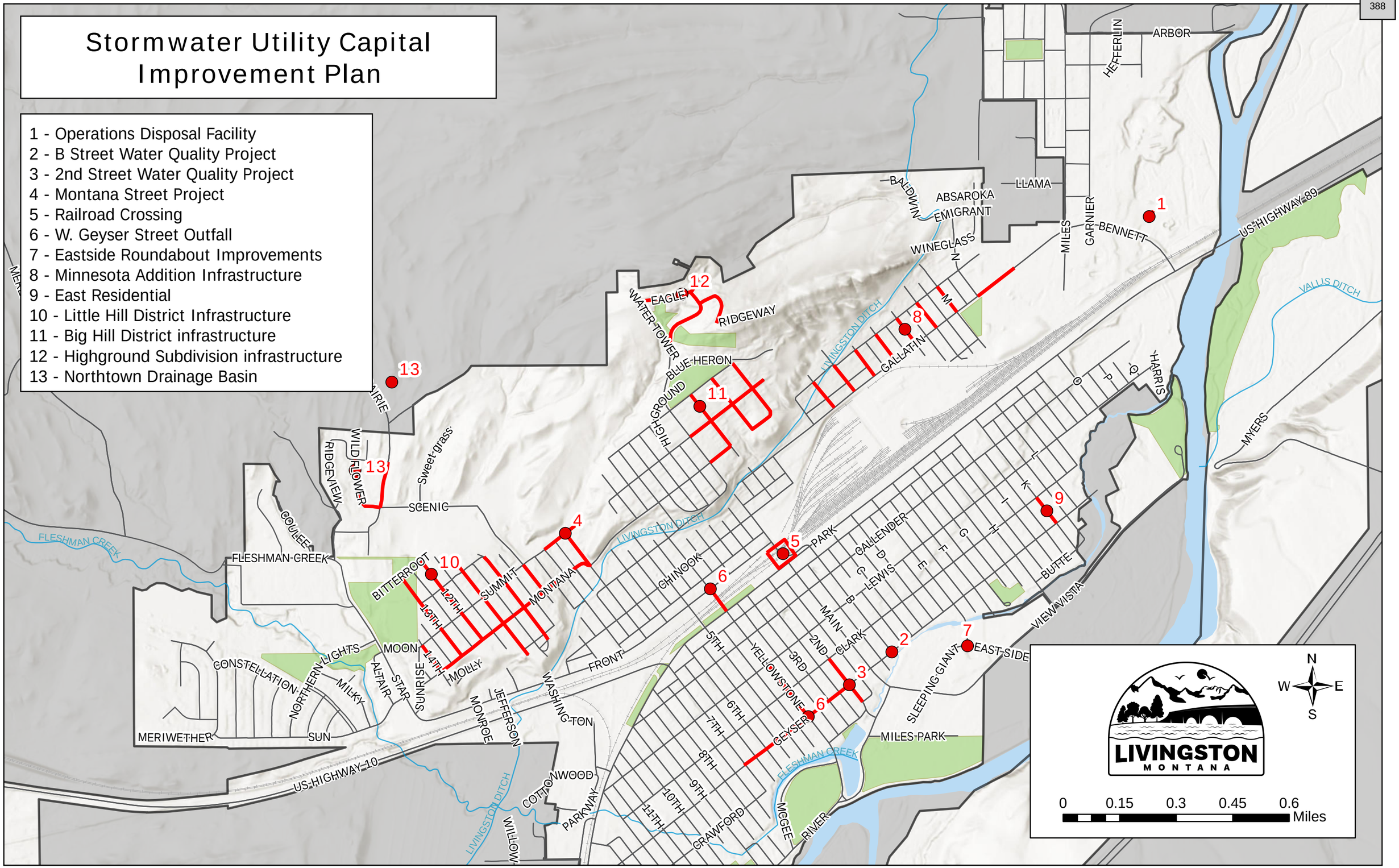
Growth Policy Strategy 9.1.2.2. encourages the City to "explore the creation of a stormwater utility" while Strategy 9.1.2.1. encourages the City to "reduce the risk of flooding and pollution threats through proactive and innovate stormwater management programs."

Attachments

- Attachment A: Preliminary Engineering Report for a Stormwater Drainage System
- Attachment B: Stormwater Improvements Map
- Attachment C: Stormwater Feasibility Study

Stormwater Utility Capital Improvement Plan

1 - Operations Disposal Facility
2 - B Street Water Quality Project
3 - 2nd Street Water Quality Project
4 - Montana Street Project
5 - Railroad Crossing
6 - W. Geyser Street Outfall
7 - Eastside Roundabout Improvements
8 - Minnesota Addition Infrastructure
9 - East Residential
10 - Little Hill District Infrastructure
11 - Big Hill District infrastructure
12 - Highground Subdivision infrastructure
13 - Northtown Drainage Basin



LIVINGSTON
MONTANA

- CITY OF LIVINGSTON -

STORMWATER UTILITY FEASIBILITY STUDY

in partnership with:

HEADWATERS ECONOMICS

AE2S NEXUS
The Financial Link

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Stormwater Utility Feasibility Study

For

September 2024

Report Prepared By:

Kayla Mehrens and Jacob Strombeck

Project Number: P16320-2024-001

Advanced Engineering and Environmental Services, LLC

1288 North 14th Avenue, Suite 103, Bozeman, MT 59715

Contributing Partners

This Stormwater Utility Feasibility Study was completed as a collaboration between Headwaters Economics and the City of Livingston. Headwaters Economics is a nonprofit organization based in Bozeman, Montana. Through their FloodWise Community Assistance program, they work with communities to help them be more resilient to floods. Individual Study contributors include:

- Bridget Mitchell P.E., FloodWise Community Assistance Lead, Headwaters Economics
- Kirstin Smith Ph.D., FloodWise Lead Research and Policy Analyst, Headwaters Economics
- Grant Gager, City Manager, City of Livingston
- Shannon Holmes P.E., Public Works Director, City of Livingston
- Matt McGee P.E., Principal and Civil Engineer, TD&H Engineering

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Table of Contents

List of Figures

List of Tables

1. Introduction

The City of Livingston (City) owns and operates a stormwater system that collects rain runoff and snowmelt from urban surfaces and conveys it to a variety of local waterways, such as Fleshman Creek and the Yellowstone River. Its primary purpose is to mitigate roadway and property flooding during rain and snowmelt events.

Stormwater systems play a vital role in protecting community safety and environmental health. As these systems age, there is often an increased need to maintain, repair, and replace key infrastructure components, such as pipes, inlets, and manholes, as they start to deteriorate. Unfortunately, a historical lack of attention to stormwater systems is a systemic issue across the country and is not unique to the City or in Montana at large.

Locally, most of the City's stormwater infrastructure was installed several decades ago and is undersized. There is also minimal stormwater infrastructure installed on the north side of the railroad tracks and only one connection (underpass) from the north to the south side of the City, causing substantial flooding challenges.

For many, stormwater issues are often managed on a reactive basis, and funding for work typically comes from non-dedicated municipal revenue sources, such as wastewater funds or street budgets. Further, stormwater programs typically lack staff and equipment resources, and this results in a large accruement of deferred infrastructure maintenance and repair needs over time.

A common solution to these challenges is for cities to work with their residents and policymakers to develop a Stormwater Utility. Stormwater Utilities create a consolidated programmatic structure and dedicated revenue source to fund critical services and infrastructure maintenance and repair.

Recently, the 'Big Seven' cities in Montana (i.e., Billings, Missoula, Helena, Great Falls, Bozeman, Butte, and Kalispell) have developed standalone Stormwater Utilities to provide increased services. Within the last few years, other agencies in Montana have started following their lead since they also have issues and limited funding capacity to complete needed improvements. Local examples include the City of Belgrade and Gallatin County, who are both exploring ways to add enhanced stormwater services.

1.1. Study Purpose

Over the last six years, the City has taken several proactive steps to better understand the condition and overall needs of its stormwater system, including commissioning several engineering studies and reports. Given the scale of identified challenges through these efforts, City leaders opted to commission this Stormwater Utility Feasibility Study (Feasibility Study), in partnership with Headwaters Economics, to develop key information that can be used to assess whether developing a Stormwater Utility is the right choice for their community.

This Feasibility Study builds off the prior technical work and aims to answer the following questions:

- ✓ What stormwater services would the City like to complete, and how much will this work cost annually?
- ✓ What are common stormwater utility rate structures and how may they be used to pay for the City's sought-after services?
- ✓ What scale of monthly fees would result from these varying utility rate structures for differing customer classes (i.e., commercial, multi-family, and single-family properties)?

This Feasibility Study's intent is not to provide formal directions to the City. Instead, its purpose is to inform staff, policymakers, and the public of the opportunities, challenges, and options that exist related to implementing a Stormwater Utility based on best practices tailored to City needs.

1.2. Stormwater Utility Goals

Stormwater Utilities are an equitable solution to funding drainage and water quality needs; however, they can vary widely in scope and scale when compared across communities in Montana and across the region. Nuances exist regarding the amount and type of stormwater infrastructure that requires management, and what the local communities' goals are related to environmental impacts. Through the course of the Feasibility Study, three primary goals became apparent for the City, which are discussed in the following section.

Goal #1 - Mitigating Urban Flooding

Poorly maintained, undersized and broken stormwater infrastructure poses a risk to the wellbeing of residents and property. When stormwater systems do not drain or function properly, urban runoff can flood roads, sidewalks, parking areas, and, in worst-case scenarios, private properties. It is important that cities ensure their stormwater systems are in working order and effectively drain during rainfall and snowmelt events.

There are several areas of the City where urban flooding is a substantial concern at present with notable impacts occurring to resident daily life, including roadway mobility and public safety. Regular stormwater system inspection, maintenance, and repair are a few common activities that can mitigate the risk of urban flooding. In some cases, larger capacity expansion and replacement projects are warranted to alleviate flooding issues. These projects can include replacing old and undersized pipes or installing new drainage systems in areas lacking infrastructure.

The City completes urban flood mitigation efforts on an opportunistic and reactive basis currently; however, the City desires to be more proactive in their efforts given the increasing community impacts.

It is important to clarify that urban flooding is different than natural system flooding caused by the swelling of flood-prone waterways, such as the Yellowstone River during spring runoff. Projects addressing this type of natural system flooding are outside the purview of this Feasibility Study.

Goal #2 - Improving Water Quality

Given the direct connection that stormwater systems establish between hardened urban landscapes (i.e., rooftops, roadways, parking areas, etc.) and local waterways, runoff poses a risk

to the health of these natural systems and their aquatic life. Urban areas accumulate a plethora of pollutants, such as nutrients, E. coli, trash, and metals, from resident daily life and they often get flushed through stormwater systems and into local waterways during rain events.

Conducting street sweeping, vacuuming accumulated debris from infrastructure, installing treatment units, and educating residents on best practices are a few common activities that work in tandem to improve water quality.

The City is adjacent to some of the most prized and renowned waterways in Montana. These resources are one of the many reasons residents and tourists live and travel to the area. Given this, the City seeks to increasingly make water quality improvements within its stormwater system to lessen its impact on these critical natural resources, especially as growth occurs.

Several successful water quality-based projects have been completed in the last few years; however, additional improvements are desired but challenges regarding high project costs and a lack of reliable project funding exist.

Goal #3 – Complying with Regulatory Requirements

Larger municipalities (over 10,000 people) are required to comply with state and federal laws regarding stormwater discharges. These requirements are a component of the Montana Pollutant Discharge Elimination System (MPDES) permitting program managed by the Montana Department of Environmental Quality (MDEQ).

One of the specific permits related to stormwater runoff is the Municipal Separate Storm Sewer System (MS4 Permit), which requires cities to implement a variety of programs annually to reduce their impacts on local waterways. Required activities include construction site permitting and inspections, water quality sampling, and community engagement initiatives.

MS4 Permits can be costly to comply with and typically warrant full-time staff to manage on an annual basis. The City is not an MS4 at present; however, it expects to be permitted by MDEQ in the next decade. Section 17.30.1102 of the Administrative Rules of Montana (ARM) defines the trigger point for cities to become an MS4 as the following… "small MS4s serving a population of at least 10,000 as determined by the latest decennial census…"

Given uncertainties regarding population growth and timing, costs arising from MS4 Permit coverage were not factored into the Feasibility Study; however, the City will need to plan for costs associated with new staff resources (0.5-1 Full Time Employees), recurring permit fees ($4,000-$8,000/year), and sampling and analysis lab costs ($10,000 per year) when the City becomes permitted under the program.

Beyond future MS4 Requirements, the City manages an Industrial Stormwater Permit for its Water Reclamation Facility (WRF). This MDEQ-regulated permit requires the City to complete a variety of inspections, sampling activities, and training annually. Costs for these activities are paid for by various non-dedicated revenue sources currently; however, they could be integrated into the Stormwater Utility to alleviate the cost burden on these funding sources.

2. Basis of Planning

Establishing a Basis of Planning is an important Feasibility Study component that documents existing conditions from which assumptions can be made and analysis completed. Section 2.0 details key data points that were collected and used in the following report sections.

2.1. Population Projections

Based on data acquired from the Montana Department of Commerce, the City's 2024 population is 8,908 people. Using a .64% Annual Growth Projection, Commerce estimates that the City will reach a population of approximately 9,315 people by the year 2030 and 9,929 by the year 2040.

This population estimate provides important context related to planning around Goal #3 listed in Section 1.2. Population growth is hard to predict and can be based on several factors in and outside of the City's control. Given this, it is recommended that the City monitor population growth and regularly reassess their plans for compliance with regulatory requirements. Table 1 displays Commerce's population projections as of September 2024 for the City based on actual average annual growth data sourced from the US Census Bureau for the period of 2000 to 2023.

Table 1: Population Projections from the Montana Department of Commerce

Calendar Year	Growth Rate[1] (%)	Population Projection[2]
2025	0.64%	9,022
2030	0.64%	9,315
2035	0.64%	9,617
2040	0.64%	9,929
2045	0.64%	10,251
2050	0.64%	10,583

[1] Data source: https://commerce.mt.gov/Data-Research/Research/People-Housing/Population
[2] Actual average annual growth data from 2000 to 2023 from the US Census Bureau

The City completed a Livingston Growth Policy in 2021. In that report, 1% and 2% growth projections were completed, resulting in 2030 population estimates of 8,703 and 9,699 people, respectively. These estimates align relatively well and add confidence to Commerce's projections.

2.2. Demographics

The Montana Department of Commerce also maintains an inventory of income data for communities in Montana using a 2015-2019 U.S. Census Bureau's American Communities Survey data set. Based on this data, the City's Median Household Income (MHI) is $46,097, with 14.5% of the City living in poverty. These demographic data points are important when assessing overall rate affordability and can also be useful when seeking external funding, such as state loans and grants.

2.3. Utility Accounts

The City has 4,089 utility accounts at present, with 81% of them being single-family residential customer classes and the remainder being a combination of multi-family, governmental, and commercial properties.

The City's Finance Department has existing workflows to track water usage and bill these utility accounts for water and wastewater services using Caselle, which is a common enterprise billing software. Table 2 provides a listing of accounts detailed by customer class.

Table 2: Customer Utility Accounts

#	Customer Class	Total Accounts[1] (#)	Percentage of Total Accounts
1	Single-Family Residential	3,309	81%
2	Commercial and Governmental	388	9%
3	Multi-Family Residential	186	5%
4	Vacant Land	206	5%
	Total:	*4,089*	*100%*

[1] *Account totals acquired from the City's Billing Database in May 2024.*

2.4. Stormwater Assets

The City owns and is responsible for the maintenance, repair, and eventual replacement of 421 stormwater infrastructure assets, including inlets, manholes, and outlet pipes. As community growth occurs, the City expects this total to increase, especially as the construction of new roads, subdivisions, Planned Unit Developments (PUD), and improvement of areas currently without infrastructure occurs. Table 3 provides a listing of the City's existing stormwater infrastructure assets detailed by type and count.

Table 3: Stormwater Infrastructure Assets

#	Asset Class (Type)	Total Assets[1] (#)
1	Manholes	106
2	Outlets	32
3	Inlets	283
4	Water Quality Treatment Units	1
	Total:	*422*

[1] *Asset data acquired from the City's GIS Database in May 2024.*

The City also owns and manages approximately eight (8) miles of storm sewer pipe, ranging from 4" to 48" in diameter. The oldest portion of these pipes have been in the ground for over 75 years and are nearing the end of their useful life. Limited information exists regarding the age, material, and condition of the City's storm sewer pipes at present; however, field knowledge provided by the City concluded that most of the stormwater system likely requires some form of maintenance, repair, and replacement, ranging from spot repairs to total replacements.

The City's storm sewer pipe network is smaller than its wastewater collection and water distribution systems; however, similar issues and costly needs exist. For comparison, the City has 50 miles of sanitary sewer pipe and 60 miles of water pipe.

3. Revenue Requirements

Determining an annual revenue requirement is a process that projects the total annual costs necessary for a utility to provide its essential levels of service. This process is longstanding and commonplace for established municipal utilities, such as water and wastewater systems. In most cases, revenue requirements remain relatively stable year-to-year, but may see increases when adding staff, planning for inflation, and implementing changes to provided levels of services.

For new utilities, such as the City's proposed Stormwater Utility, establishing a revenue requirement can be challenging since there are not several years of historical data to compare and base budget estimates. Given this, developing a revenue requirement for a new utility requires a detailed review of several areas to align community goals (i.e., those discussed in Section 1.2) with the costs involved in working towards their achievement over time.

In general, four common types of revenue requirements exist for public utilities, including operating expenses, capital projects, general fund services, and reserves. Figure 1 provides an overview of these components, and the scale of need and associated costs required for the Stormwater Utility are discussed in the following section.

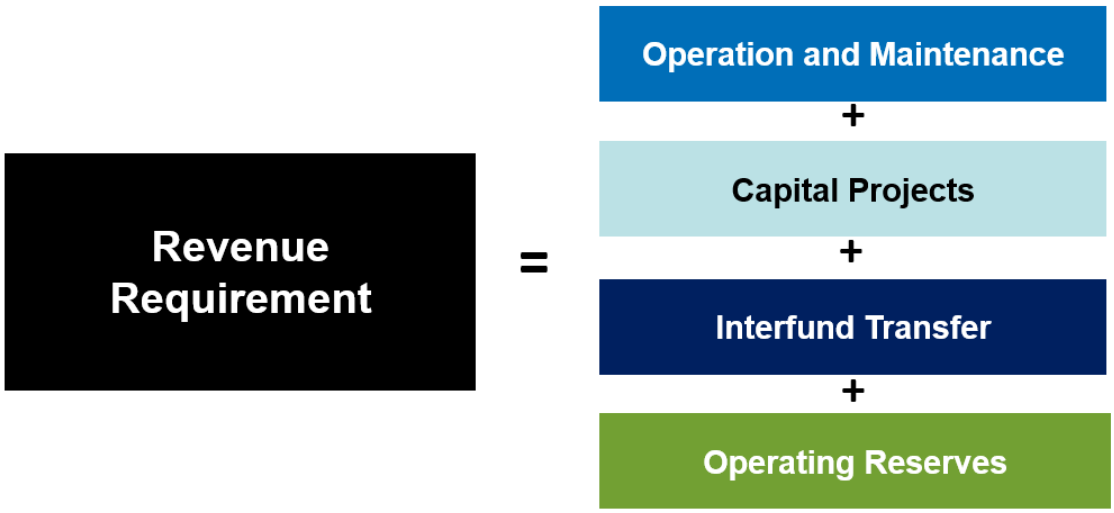


Figure 1: Varying Elements Comprising a Typical Utility Revenue Requirement

3.1. Operating Costs

Operating costs include the costs of a utility that are required to conduct day-to-day business activities, such as funding staff salaries, buying computers and equipment, and furnishing supplies. As noted above, arriving at these costs for a new utility is challenging given the lack of past data.

The approach used was to conduct a comparative analysis using the City's existing wastewater system and its associated annual operating budget. Individual budget line items were reviewed and assessed for their applicability to the Stormwater Utility. Given that the City's stormwater system is about 1/5th the size of its wastewater system, 20% of the wastewater systems budget line-item costs were used as the standard assumption, with some specific modifications based on consultation with the City. This approach resulted in an operating revenue requirement of $180,501 per year, which is summarized in Table 4.

Table 4: Estimated Operating Revenue Requirements

#	Budget Detail	Estimated Annual Cost ($)
1	One full-time operations employee, including insurance and benefits	$90,137
2	Professional services for project and development external engineering assistance	$20,000
3	Share of Public Works Director personnel costs (1/6th)	$15,947
5	Insurance	$19,080
6	Fuel, parts, supplies, materials, uniforms, utilities, and small tools	$35,338
	Total:	*$180,502*

Another essential component of operating costs includes the purchase of equipment necessary to complete infrastructure inspection, maintenance, and repair activities. It is common for new utilities to utilize refurbished equipment and share resources with other divisions to save initial startup costs; however, certain equipment is sometimes required, and purchase is necessary.

An equipment inventory was completed with the City that resulted in a decision to dedicate a portion of purchase costs related to a new vacuum truck and street sweeper to the Stormwater Utility. The rest of the equipment reviewed is planned to be acquired through repurposing or sharing with other City Divisions. The results of the equipment inventory are included in Table 5.

Table 5: Stormwater Utility Equipment Inventory

#	Equipment Type	Intended Purpose	Acquisition Strategy
1	Vacuum Truck	Trenchless digs, pipe flushing, and inlet vacuuming.	25% Stormwater Utility Cost share with the Wastewater Division
2	Street Sweeper	Roadway cleaning, dust prevention, and pollutant removal.	50% Stormwater Utility Cost share with the Streets Division
3	Pipe Inspection Camera	Inspection and issue identification for underground pipes.	Repurpose of a Wastewater Division camera; No Initial Stormwater Utility Cost
4	Service Truck	Operator transport to and from job locations.	Repurpose of a Wastewater Division truck; No Initial Stormwater Utility Cost
5	Excavator	Planned and unplanned excavations and repairs.	Share with the Wastewater Division; No Initial Stormwater Utility Cost
6	Dump Truck	Excavated and fill material transport and disposal.	Share with the Wastewater Division; No Initial Stormwater Utility Cost
7	Equipment Storage	Covered storage with areas for equipment repair and maintenance	Share with other Public Works Divisions; No Initial Stormwater Utility Cost

There are several ways to fund equipment purchases, including one-time cash payments, loans paid back from annual operating revenues, or interfund loans between departments. The assumption for the Feasibility Study was that the Stormwater Utility would share the costs of the vacuum truck and street sweeper being funded with a loan. Loans allow for smaller payments spread over time versus a one-time cash payment.

Based on estimated loan terms of a 10-year payback and a 5% interest rate, it is estimated that the Stormwater Utility payments for equipment will be $40,470 per year, as detailed in Table 6.

Table 6: Estimated Annual Equipment Costs

#	Equipment Type	Estimated Total Cost ($)	Stormwater Utility Share (%)	SW Utility Share ($)	Funding Strategy (Type, Interest Rate, Term)	Estimated Annual Payment[1] ($)
1	Vacuum Truck	$750,000[2]	25%	$187,500	Loan (5%, 10-year)	$24,282
2	Street Sweeper	$250,000	50%	$125,000	Loan (5%, 10-year)	$16,188
	Total:	*$1,000,000*	-	*$312,500*	-	*$40,470*

[1]Assumes a 10-year loan term with a fixed 5% interest rate
[2] Equipment costs may range from $550,000 to $750,000.

Adding the additional equipment cost of $40,470 to the estimated operating budget equates to a total of $220,971 for the first year of Stormwater Utility operation. Attachment A includes a detailed listing of the estimated operating costs factored into this total.

3.2. Capital Costs

Capital costs typically include infrastructure projects, such as pipe replacements, stormwater treatment, and system expansions. Projects can vary in cost depending on their scope and scale and can have a substantial impact on overall utility revenue requirements year to year.

The City completed a Stormwater Drainage System Preliminary Engineering Report in 2023, which noted that many of the City's existing storm sewer pipes are undersized and require an upgrade to handle larger-scale storm events (TD&H, 2023). In total, the Storm PER identified and detailed nine capital projects, totaling approximately $11 million (2023 $).

These capital projects were compiled with several others identified by the City through the course of the Feasibility Study. It is important to note that drainage and water quality projects along 2nd Street and Montana Street are progressing through various preliminary project stages. If a Stormwater Utility is not formed, the City may need to utilize funding from other departments to fund the required work, such as the Street and Sewer Departments. Please see Attachment C for a map of the City's proposed stormwater capital projects.

The compilation of the City's planned projects formed the basis for the Stormwater Utility's Capital Improvement Plan (CIP) detailed in Table 7.

Table 7: Stormwater Utility Capital Improvement Plan (CIP)

#	Type	Estimated Cost (2023 $)	Project Origin
1	Operations Disposal Facility (SW Share)	50,000	Staff Recommendation
2	B Street Water Quality Project	130,000	Staff Recommendation
3	2nd Street Water Quality Project	650,000	Staff Recommendation, Ongoing
4	Montana Street Project	500,000	Staff Recommendation, Ongoing
5	Railroad Crossing	160,000	Storm PER Recommendation
6	W. Geyser Street Outfall	2,505,000	Storm PER Recommendation
7	Eastside Roundabout Improvements	112,000	Storm PER Recommendation
8	Minnesota Addition Infrastructure	1,451,000	Storm PER Recommendation
9	East Residential	509,000	Storm PER Recommendation
10	Little Hill District Infrastructure	3,864,000	Storm PER Recommendation
11	Big Hill District Infrastructure	710,000	Storm PER Recommendation
12	Highground Subdivision Infrastructure	500,000	Storm PER Recommendation
13	Northtown Drainage Basins	637,000	Storm PER Recommendation
	Tota Estimated Cost:	*11,778,000*	

Capital projects are typically a one-time cost to a utility and are paid for using several different approaches, including cash reserves, borrowing/loans, and grants. The benefit of cash funding projects is the ability to avoid interest, thereby keeping overall project costs low. The disadvantage is that project costs are not able to amortize and the City's ability to afford from a cash flow standpoint can be limited. As a result, some expensive projects must be phased out, or several years of revenue must be saved until adequate cash reserves accumulate. The City may decide to diversify their funding strategy over time; however, it was assumed that the City would fund all projects using one-time cash payments for the purposes of this Feasibility Study.

It is not practicable from funding or workload capacity standpoints to complete all the projects listed on the CIP in the first year, or even first decade of the Stormwater Utility's creation. Given this, the City worked to prioritize the projects to develop a plan that allows for iterative progress over time, while still being sensitive to community cost-burden and the highest priority issues.

These prioritization efforts yielded an average capital cost of $255,126 per year over the next five years, with some variations occurring year-to-year to account for individual project scope and scale nuances. Table 8 provides a listing of the capital projects, and their estimated costs. These costs have been inflated from present to future value using a 3% annual increase.

Table 8: Five-Year Proposed Stormwater Utility CIP

#	Type	Fiscal Year	Estimated Cost (Future $)
1	Unplanned Drainage Improvements	Annual	$125,000 ($25,000/year)
2	B Street Water quality Project	2025	$142,055
3	Disposal Facility	2025	$54,636
4	2nd Street Water Quality Project	2026	$168,826
5	Montana Street Project (Phase 1)	2027	$289,819
6	Montana Street Project (Phase 2)	2028	$298,513
7	Railroad Crossing	2029	$196,780
	Five-Year Total (2025 – 2029):		*$1,275,629*

Beyond the five-year planning horizon, over $10.0 million of additional capital projects exist that will require planning and inclusion in future CIPs.

3.3. General Fund Services

Interfund transfers are a common practice for municipalities and typically result in the transfer of funding from a utility enterprise fund to the general fund. General funds pay for a broad range of municipal services that benefit standalone utilities, such as legal support, human resources, finance, and information technology. These general services benefit utility enterprise funds, but

also serve all the other divisions within a municipality. Given that, finding the appropriate transfer ratio can be challenging, and can range based on community policies and state laws.

Based on directions from the City, 5% of the Stormwater Utility's annual operating budget was used as the General Fund transfer assumption for these internal services. This amount aligns with the existing City policy for its water and wastewater utilities and equates to about $11,000 per year.

3.4. Reserves

Utilities typically manage dedicated and non-dedicated reserves to ensure the utility can reliably make debt payments and respond to unforeseen emergencies that require quick intervention. Reserves operate like a personal savings account, where money left unspent through a typical budget cycle becomes excess and can be saved for future use.

Industry-best practice is to maintain at least 1/3 (or 33%) of a utility's annual operating expenses in reserves. For new utilities, it is good practice to slightly overbuild initial operating reserves since there will likely be unaccounted for costs that arise over the first several months and years of operation.

The Feasibility Study factored in approximately $110,000 of reserve generation over the course of the first year of its implementation. This amount equates to 50% of the operating cost detailed in Section 3.1. Moving forward, reserve planning should be completed annually to ensure reserve goals are being established, met, and maintained.

3.5. Revenue Requirement

The proposed Stormwater Utility's total revenue requirement is the sum of the estimated operating expenses, scheduled capital projects, general fund service transfer, and reserve savings discussed in the previous sections. When doing so, an estimate of $564,000 exists for the first year of the Stormwater Utility. Figure 2 provides detail regarding the itemized costs that resulted in this total.

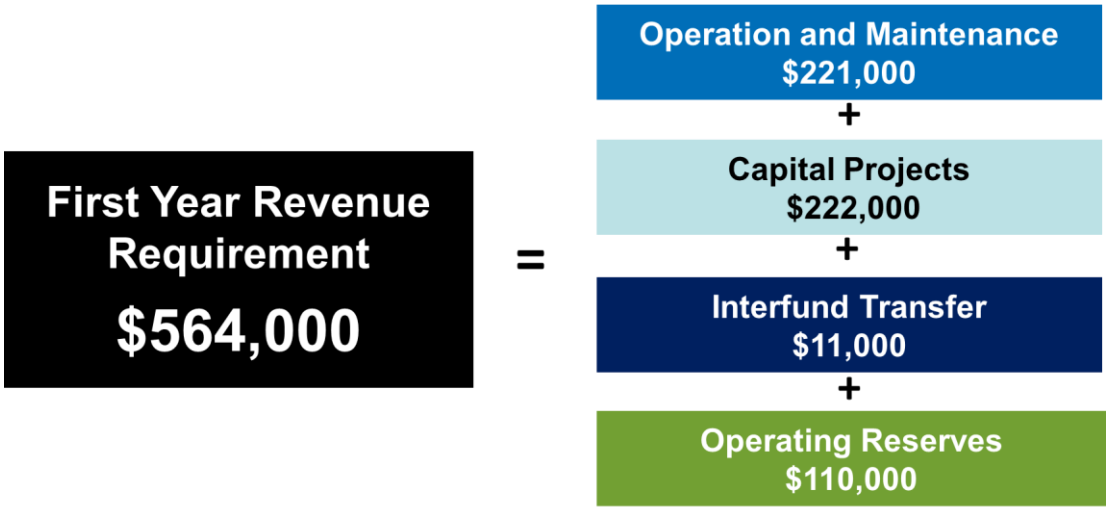


Figure 2: First Year Stormwater Utility Revenue Requirement

3.6. Enterprise Fund Comparison

The City has two existing utility enterprise funds with related revenue requirements. Figure 3 provides a comparison of the proposed Stormwater Utility revenue requirement against the City's water and wastewater utilities.

Figure 3: Utility Revenue Requirement Comparison

4. Revenue Generation

It is increasingly common for cities across the Unites States to generate revenue to pay for stormwater costs by charging residents and businesses for municipal services. Rate revenue is a reliable and predictable funding source and offers significant benefits over less stable alternatives, such as relying on grants or using funding from other municipal sources. Rate revenue also serves as a foundational revenue source in a diversified and balanced utility funding portfolio, which can then be augmented with other alternatives as opportunities arise.

The City does not have a dedicated revenue source to pay for the stormwater services or projects currently and all existing work is funded from a mix of non-dedicated sources, such as the Sewer and Street Maintenance Funds. Section 4.0 details several best-practice rate structures the City may consider when determining if and how they would like to charge customers to pay for the revenue requirement formulated in Section 3.0.

4.1. Rate Structures

The primary benefit to instituting a utility rate structure and associated fee is to fairly distribute the cost of the City's stormwater services across all eligible properties based on their contributing stormwater runoff.

A range of stormwater rate structures exist, spanning simple to more complex approaches. One of the fundamental differences between them is the mechanism in which charges are calculated per property and the underlying data necessary to make those determinations.

On the more basic end, a flat charge can be used that groups all similar customers into a series of classes and then assigns a fixed charge to each class. This approach requires minimal initial data to develop the rates and is relatively easy to update as new properties are added to the City. This approach has limitations and is less fair and equitable than the more complex approaches.

On the other end of the spectrum, more complex models leverage hydrologic modeling to determine runoff volumes at the individual property-scale. Approaches that are this complex are not found in Montana and are often avoided due to their intricacies and costs necessary to manage long-term, especially for growing communities. The benefit of more complex models is that they are typically more robust, resulting in a fairer and more equitable approach.

Most communities opt for a middle solution that balances the ease and benefits of the simpler approaches with the equitable and fairness benefits of more complex structures. Many of these methodologies rely on impervious areas as the underlying data source, since it provides a direct and defensible connection between runoff originating on a property and public stormwater system impacts, which then allows fees to be determined for each property based on this variable.

Under this approach, those who have a large impervious area footprint and generate more stormwater runoff, such as a large grocery store, are charged more versus those with a smaller footprint, such as a small auto mechanic shop. Figure 4 details several examples of best-practice stormwater rate structures organized by their level of complexity and equitability.

RATE STRUCTURE	PRIMARY ADVANTAGES	PRIMARY DISADVANTAGES
FLAT RATE	· Easy to Administer · All Parcels are Charged	· Highly Inaccurate
GROSS AREA FACTORED BY RUNOFF COEFFICIENT	· Accounts for Parcel Size · Less Data Required · Addresses Intensity of Development · All Parcels are Charged	· Relatively Inaccurate in Terms of Individual Property Impact · Does Not Account for Land Management Practices
IMPERVIOUS SURFACE AREA	· Accurate · Data Requirements can be Simplified for Equivalent Residential Units (ERUs)	· Large Amount of Data Required · Does Not Account for Land Management Practices · Does Not Account for Parcel Size · Not all Parcels are Charged
GROSS AND IMPERVIOUS SURFACE AREA	· Accurate · Accounts for Parcel Size · All Parcels are Charged · Addresses Intensity of Development	· Large Amount of Data Required · Does Not Account for Land Management Practices
CLASS INTENSITY OF DEVELOPMENT	· Accurate · Addresses Intensity of Development	· Large Amount of Data Required · Does Not Account for Land Management Practices · Not all Parcels are Charged
EQUIVALENT HYDRAULIC AREA (PERVIOUS AND IMPERVIOUS)	· Accurate · Accounts Parcel Size · Accounts for Land Management Practices · All Parcels Charged · Addresses Intensity of Development	· Large Amount of Data Required · More Complex than Other Methods

Figure 4: Example Best-Practice Stormwater Rate Structures

It was decided that a range of structures should be reviewed after consultation with the City to determine rate impacts to varying customer classes (i.e., residential, commercial, multi-family, etc.) under each scenario. The structures analyzed included a range of simple to more complex structures, including: (1) Flat Rate, (2) Impervious Area, and (3) Impervious Area plus Parcel Area.

It is important to note that regardless of the underlying rate method, several commonalities exist for all stormwater rate structures that warrant careful consideration, including:

- ✓ Unlike water use that can be metered and quantitatively measured, individual property-scale stormwater runoff impacts can be difficult to track and measure.
- ✓ Stormwater system impacts are most often derived from parcel-scale runoff indicators, such as land use or the amount of impervious area that exists on a respective property.
- ✓ Stormwater rate structures and program drivers vary by community, and it is difficult to acquire true comparisons given the different approaches used and local modifications. This is particularly true when comparing commercial and multi-family properties.
- ✓ A rate structure of any complexity takes time and resources to manage and keep current, especially for growing communities that are expanding their rate bases.
- ✓ An equitable and defensible rate structure is important to ensure the long-term financial success of the Stormwater Utility. Data collection is typically one of the first and most foundational steps.
- ✓ It is important to build a consistent credit and exemption process for any implemented rate structure. To accomplish this, most cities establish policies that allow for the review and adjustment of fees on a case-by-case basis in the event there are situations that arise that are not typical. In most cases, the cities delegate this authority to a Public Works Director or City Engineer level staff member. Although challenges may be somewhat frequent early on, it is common to see them taper as the utility becomes more established.

The remaining portions of this section offer a planning-level review of the selected rate structures to help the City make an informed decision of which option is best suited for their community. The intent is to offer a scale for how these different structures would impact the varying customer classes but stops short of making any formal recommendations given the scope of the Feasibility Study and the limited data that exists at present.

4.2. Data Limitations

Data collection is an important step when developing a stormwater rate structure, especially for those leveraging more complex inputs and calculations. For new utilities, acquiring adequate existing data is a common challenge since data sets, like impervious areas, are rare and not commonly managed by smaller communities in Montana. The following section details several data challenges identified throughout the course of the Feasibility Study and describes several workaround solutions deployed to maintain the intent of the work.

Impervious Area

Aerial imagery is essential in deriving impervious area footprints for buildings, parking lots, and driveways. Although aerial imagery is relatively commonplace, often the imagery that is available does not have the quality or conditions necessary to derive a defensible data set. A few examples of this include the inclusion of infrared imagery, leaf off conditions, and imagery captured within a reasonable timespan from which new growth is represented.

Unfortunately, research into the City's available aerial imagery resulted in a few different data sets; however, none of them possessed the quality and conditions to derive a quality impervious area data set. Given this, an alternative building footprint data set was used to mimic the use of impervious area data; however, it should be recognized this approach is limited given that it omits parking lots and driveways. The data was also several years old and omitted several new properties, which were manually included in the analysis.

It is not recommended that the City use a building footprint approach if they were to move forward with an impervious area-based method; however, this approach served as a suitable alternative for the Feasibility Study's intent given the lack of suitable aerial imaging. Figure 5 provides an example of the limitation of the building footprint data. The dark purple polygon is the building's footprint captured in the utilized data, and the lighter areas are the portions of impervious manually drawn.

Figure 5: Example Data Limitation Using Building Footprints

Acquiring suitable impervious area data is becoming easier and more cost effective as technology improves. Consultation with a third party occurred to determine options and costs for the City if they decided to move forward with an impervious area-based approach. An estimated cost range for imagery and analysis to derive a defensible impervious area dataset was provided at $15,000 - $30,000.

Financial System Linkage to Spatial Data Sets

Another common challenge that stormwater rate structures present is the need for a clear linkage from the City's financial billing system to its spatial data sets, such as parcels. This is typically not an issue for water utility charges since the data comes from deployed meters that directly tie to the financial billing system.

For stormwater charges, this connection is not possible since there is no meter tracking and transmitting usage data. Instead, the spatial information being used, such as impervious area, must be assigned to an individual property manually or by using a data model, and then linked to the financial billing system. Once in the financial billing system, a charge can be included on utility bills along with water and wastewater charges and sent to customers on a recurring basis.

Upon review of the City's billing database, it was found that there is not a link that ties billing records to spatial data sets; however, this could be rectified at the time of establishing the aerial imagery and associated impervious area layer.

Parcel Accuracy and Class Determinations

The accuracy of parcels is an essential data element in ensuring the accurate calculation of impervious areas assigned to each property, and their corresponding charges. The State of Montana manages a statewide parcel dataset, with Park County making local modifications as changes occur. Although the existing parcel data set is relatively accurate, some additional adjustments would need to be completed to ensure overall accuracy, especially as it relates to overlaps, connectivity issues, and spatial shifts.

Another challenge identified is that the currently available parcel data lacks "customer class" information, so there was no clear way to determine what parcels possessed single-family, commercial, or multi-family dwellings. This is also a common issue that can be resolved using County Tax Records or a manual property coding process.

Given the limited scope of the Feasibility Study, an exercise was undertaken to take a high-level attempt at bulk coding properties; however, it should be noted that a much more detailed analysis and QA/QC process would be required to ensure a defensible and accurate data set during the implementation stage of a rate structure reliant on this information.

Figure 6 displays an example area of the City where the coding process occurred. The green polygons are the properties assumed to be single-family residential, commercial properties are displayed as tan, and multi-family are displayed as orange.

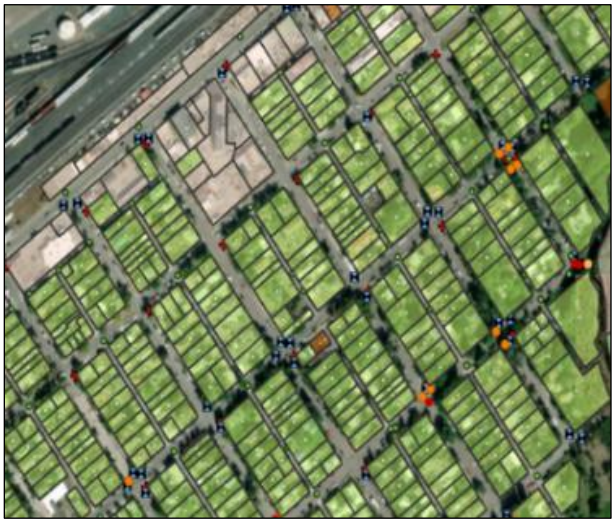


Figure 6: Customer Class Coding Process

4.3. Approach #1 - Flat Rate

Overview

Approach #1 – Flat Rate is a relatively straightforward rate approach and applies a flat fee across the differing customer types (i.e., single-family, commercial, and multi-family), with no variability for each class. The main benefits of this approach are that it is low in complexity, does not require extensive data collection to implement, and can be easily maintained using existing financial billing software as new properties are added to the City. Drawbacks of this approach are that it lacks variation within individual customer classes and has a minimal relationship to actual runoff patterns.

Approach

There are several ways to determine the level of charge per customer class. For the Feasibility Study, the ratio was determined by comparing median lot sizes as a surrogate to establish flat rates for each customer class. For instance, it was determined that the median single-family lot size in Livingston is 7,033 square feet, while the median lot size for a commercial parcel is 10,596 square feet based on the available data. This difference results in a 1.5 ratio. In other words, the monthly fee for a commercial parcel was determined to be 1.5 times that of a single-family residential fee. Table 9 shows the median parcel sizes and their corresponding ratios.

Table 9: Median Parcel Size Ratios

Class	Median Parcel Size (Square Feet)	Size Ratio Compared to Single Family
Single Family	7,033	1.00
Commercial	10,596	1.51
Multi-Family	4,302	0.61
Vacant	10,756	1.53

The revenue requirement established in Section 3.0 was used to calculate each customer class charge by using the ratios along with the total number of accounts in each user class to arrive at a monthly fee capable of meeting the budget goal.

Results

The Flat Rate Approach results in an estimated single-family residential rate of $10-11 per month ($120-132 per year) and $16-17 per month for commercial properties. In this scenario, it was assumed that non-utility billed parcels (i.e., parking lots, vacant land, etc.) would receive a monthly charge. Since the ratios were based on total land area, this resulted in a flat charge of $16-17 for these properties. Figure 7 provides an overview of estimated monthly charges per customer class under this approach.

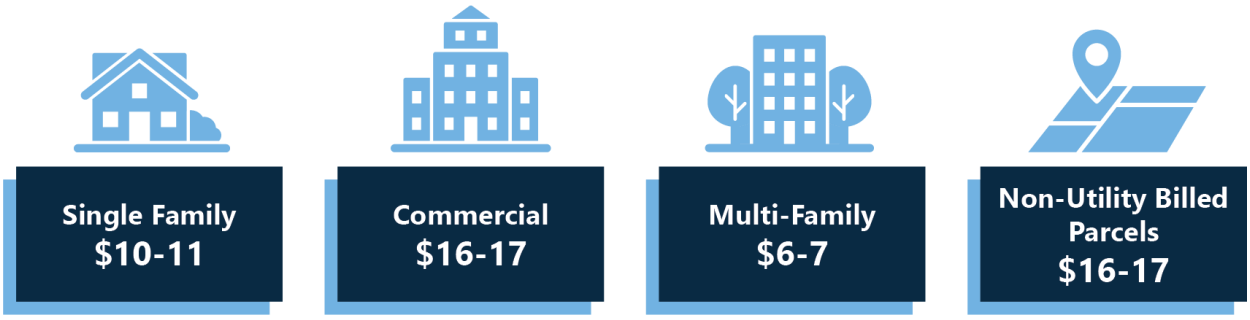


Figure 7: Estimated Monthly Rates Using a Flat Rate Approach

4.4. Approach #2 - Impervious Area

Overview

Approach #2 – Impervious Area is a common rate approach that applies a variable rate to individual properties based on the amount of impervious area present, such as rooftops, driveways, and sidewalks. A direct relationship exists between the amount of impervious area on a select property and the amount of runoff that occurs, which is why it is widely used to generate stormwater fees.

Typically, a uniform rate is assessed for single-family residential properties to ease the burden of having to manage impervious area totals for thousands of individual single-family properties. This is commonly referred to as an Equivalent Residential Unit (ERU).

For multi-family and commercial properties, charges are based on their total impervious area and related impact. For example, properties with larger building footprints and parking areas are charged more than those with smaller areas.

This approach requires time and investment for implementation; however, the primary benefit is that it is highly defensible once set up, widely recognized as the industry standard, and is commonly used across Montana, including the adjacent cities of Bozeman and Billings. Notable drawbacks include the need for acquiring quality data upfront and the higher workload associated with ongoing maintenance and updates.

Approach

Given the lack of quality aerial imagery, and the corresponding inability to generate an accurate impervious area dataset, building footprint data was used to mimic and model this approach. Building footprints provided a reasonable comparative data set since large building footprints coincided with properties with large parking lots and the ratios were found to be comparable. Although building footprints were used, it is important to note that the City would need to use a fully developed impervious area data set that includes parking areas and driveways.

Based on the acquired data building footprint data, it was found that the City has approximately 10 million square feet of total building footprint area applicable to the analysis. Given that the

building footprint data was a few years old, several new properties were manually assessed and included to ensure a more accurate citywide total.

A spatial process was then used to determine the amount of building footprint that existed on each individual property using the acquired parcel data set along with the coded property types (i.e., commercial, multi-family and single-family). To complete, the building footprint areas were then clipped to their respective parcels and associated property classes to determine how much exists on each parcel.

For commercial and multi-family properties, these corresponding areas were left in a varied state for each property depending on their size. For single-family properties, using the equivalent residential approach, the average building footprint of all single-family parcels was found to be approximately 1,800 square feet. This established a common residential rate (i.e., Equivalent Residential Unit or ERU) based on average parcel characteristics and rates per square foot, which were then applied uniformly across the City's 3,309 single-family properties.

The final step was to determine the cost per square foot of building footprint so that it could be applied to all properties based on their total respective sizes. To do this, the total revenue requirement from Section 3.0 was divided by the total building footprint square footage to arrive at a $.059 per square foot total. This rate was then multiplied by the building footprint areas for individual properties to determine a monthly rate.

Results

Approach #2 resulted in an estimated single-family residential rate of $8-9 per month ($96-108 per year) and a $18-19 per month median for commercial properties. In this scenario, it was assumed that non-utility billed parcels (i.e., parking lots, vacant land, etc.) would not receive a charge. Figure 8 provides an overview of estimated monthly charges per customer class under this method.

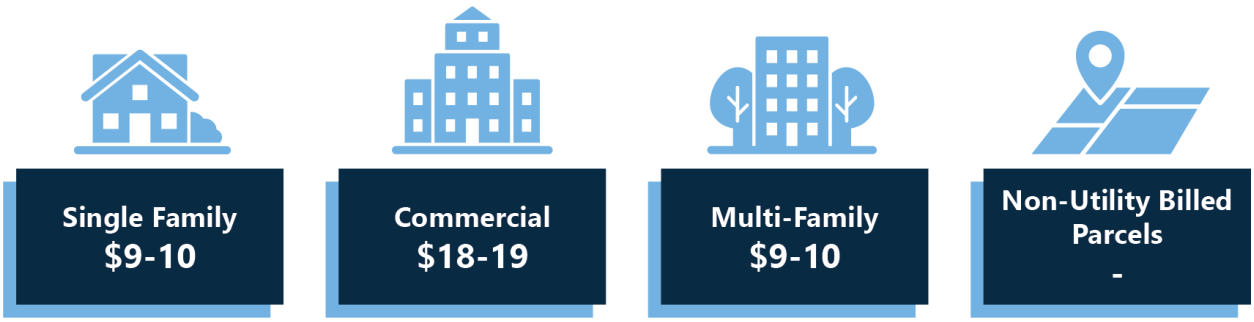


Figure 8: Estimated Monthly Rates Using an Impervious Area Approach

4.5. Approach #3 - Impervious Area plus Parcel Area

Overview

Like Approach #2, Impervious Area plus Parcel Area is a common rate approach that applies a variable rate to individual properties based on the amount of impervious area present, such as

rooftops, driveways, and sidewalks. The primary difference between Approach #2 and Approach #3 is the inclusion of a fee for parcels that lack impervious area however still have an impact on the City's stormwater system but to a much lesser degree.

Like in Approach #2, an ERU approach was used for single-family residential properties to ease the burden of having to manage impervious area totals and parcel areas for thousands of individual single-family properties.

For multi-family and commercial properties, charges are based on their total impervious area and their parcel areas. For example, properties with larger swaths of impervious area, and larger parcel areas are charged more than those with smaller overall footprints.

The approach is also a medium-complexity approach that requires time and investment for implementation. It offers the same benefits as Approach #2, such as fairness and alignment with industry standards, while also generating revenue from vacant parcels and maintaining flat fees for single-family residential properties.

This method also has its challenges: it requires detailed impervious areas and parcel data sets, making it the most complex approach. Additionally, it necessitates ongoing efforts to maintain and update data, with significant initial data collection and coordination required.

Approach

Approach #3 extended the process used in Approach #2 by incorporating a mechanism to charge for vacant land areas in addition to building footprint areas. A two-step spatial analysis was used: first, determining the amount of building footprint on each parcel, and second, calculating the total parcel area by subtracting the total parcel area from the total building footprint area. A building footprint rate and a parcel area rate were then established and applied based on the unique characteristics of each property.

For this analysis, 70% of the revenue requirements were allocated to the building footprint charge, while the remaining 30% was allocated to the parcel area portion of the fee. This ratio was used as a starting point; however, may be adjusted to emphasize or deemphasize the fee generation amount derived from vacant land. Typically, the ratio of the revenue requirement is lower for vacant land since less runoff originates from undeveloped lots and portions of properties that do not have impervious area.

The total building footprint area in Livingston is roughly 10 million square feet and the total parcel area is roughly 174 million square feet based on available data. Using both of those figure's results in a cost per square foot of $0.040 for building footprint and $0.001 for total parcel area. Those figures were then multiplied by the building footprint and parcel area of individual parcels to arrive at a monthly fee.

Results

The Impervious Area Approach results in an estimated single-family residential rate, or ERU, of $6-7 per month ($72-84 per year) and a $12-13 per month median for commercial properties. In this scenario, non-utility billed parcels (i.e., parking lots, vacant land, etc.) would

receive a charge, with a median monthly fee of $4-5. Figure 9 provides an overview of estimated monthly charges per customer class under this method.

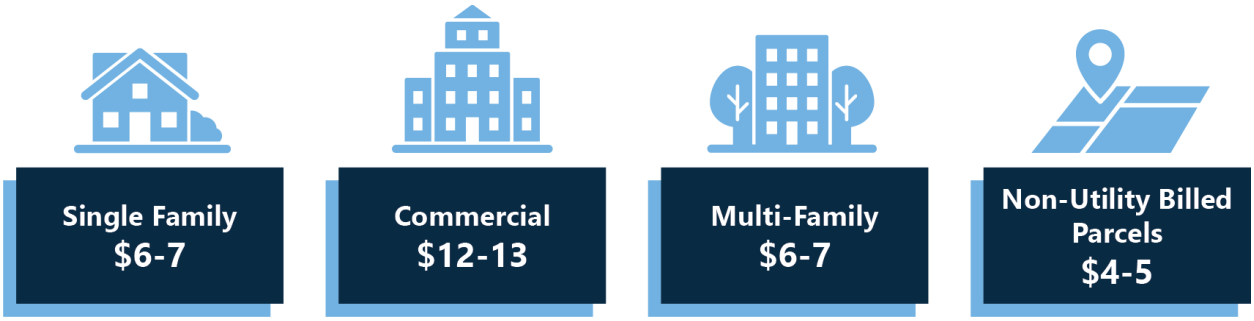


Figure 9: Estimated Monthly Rates Using an Impervious Area Plus Parcel Area Approach

4.6. Alternative Funding Sources

Several alternative funding approaches beyond generating rate revenue exist that may offer the City an alternate pathway to funding some of their stormwater-related costs. These sources are typically used to augment rate revenues and do not typically stand-alone since they are less reliable than rate revenue.

Impact Fees

Impact fees are one-time payments by property owners that help fund growth-related infrastructure projects and improvements. They are often pooled and used to complete larger projects over time, such as installing a water pipe that will eventually supply an expanding area of the City.

Rules govern how impact fees can be spent, and they are prohibited from funding typical system operation or projects that address deferred maintenance. As such, they are limited in scope and the amount raised every year is dependent on the level of local community growth, making them challenging to predict. The benefit of impact fees is that the City can use them to upsize or extend their existing system, and offset costs associated with growth-driven projects.

Impact fees are very common in water and wastewater utilities; however, they are not as commonly used to fund new stormwater infrastructure in Montana. They are relatively commonplace in other areas of the Country who have more mature stormwater utilities. If the City is interested in establishing a stormwater impact fee, a dedicated study would be required to establish an underlying policy and to set a defensible fee structure based on applicable growth-related projects.

State and Federal Loans and Grants

The City was proactive in commissioning a Preliminary Engineering Report (PER) in 2023 that meets most state and federal program requirements, which is an essential first step in pursuing agency loans and grants. Given that, various state and federal funding options now exist that may benefit the City on an opportunistic basis. Typically, these programs offer grants or loans for

individual capital projects, not recurring operational costs, such as equipment and staffing. These funding sources can help offset the local-cost burden of projects; however, their acquisition can be costly, competitive, and take time. The following list includes several examples of sources that could help fund City stormwater capital projects; however, state and federal funding availability is subject to change and applicable agencies should be contacted to understand current terms once a suitable project is identified. Examples include:

- ✓ Montana Department of Natural Resources and Conservation (MTDNRC) Renewable Resource Planning and Project Grants (RRG): MTDNRC will fund up to $40,000 to aid in Preliminary Engineering Report (PER) creation and up to $125,000 for construction projects.
- ✓ MTDNRC and Montana Department of Environmental Quality (MDEQ) State Revolving Fund (SRF): MTDNRC and MDEQ co-administer Montana's SRF Program, which provides loans for qualified public agencies and projects. SRF loans typically offer better terms than traditional market bonding, including interest rates as low as 2.5% and up to 30-year pay back periods.
- ✓ Montana Department of Commerce Coal Endowment Program (MCEP): Commerce will fund up to $40,000 to aid in Preliminary Engineering Report (PER) creation and up to $750,000 for infrastructure-related construction projects.
- ✓ United States Department of Agriculture (USDA) Rural Development Grants and Loans: The USDA offers loans and grants to qualified municipalities and projects that have a population of 10,000 people or less. Like SRF, they offer low-interest rate loan packages that can include up to a 40-year payback period. USDA also attempts to keep user rates reasonable, so they have the discretion to provide grants along with loans based on community variables, such as median household income (MHI).

4.7. Update Process

Regardless of the rate approach ultimately selected by the City, it is important to consider how updates will occur as the community changes and grows. The Flat Rate Approach would warrant a fairly simple process of assigning the fixed charge each time a new customer is added to the financial system.

For the more complex structures, such as those utilizing impervious area, a process is necessary that combines the City's Planning, Geographic Information Systems (GIS), Public Works, and Financial Divisions, so that growth can be accurately captured, documented, and integrated and sent monthly stormwater fees. Typically, this process includes the use of site plans submitted at the time of application and an associated digitization and integration process into the applicable GIS layer. From there, the data can be relayed to the billing database and included in the typical billing cycle.

Another element to consider is that most communities elect to update their underlying imagery every few years to capture community growth and changes. These costs are typically shared across several departments and divisions, since cities benefit in several ways by having updated imagery.

Given that the City is still relatively small, it is not expected that this update process would be a significant undertaking; however, establishing a clear and repeatable process would be necessary during the development stage of the City's Stormwater Utility.

5. Recommendations

The City is paying for stormwater improvements largely through Sewer and Street Maintenance at present. Forming a Stormwater Utility would allow those funds to be appropriately spent on dedicated sewer and street related projects and services, rather than be diverted. Further, a dedicated Stormwater Utility would increase the City's capacity and expand the level of service provided to residents by its stormwater system.

The Feasibility Study was successful in establishing that (1) there are substantial needs within the City's stormwater system and (2) that implementing a rate structure could generate sufficient revenue to fund associated costs while remaining consistent with other communities in Montana and the region. Attachment B includes a chart that shows how the rates estimated in this Feasibility Study compare to those in Montana and several cities across the region.

The following recommendations are provided in the event the City decides to move forward with the development and implementation of a dedicated Stormwater Utility.

Recommendation #1 – Engage the Community Early and Often and Obtain Input

Implementing a new Stormwater Utility can come as a surprise and elicit negative feedback from businesses and residents if not adequately explained and justified. Little understanding exists around the value of municipal services, and stormwater services are no exception since this work has been avoided, reactive, and deferred historically.

It is important that outreach efforts focus on why the work the City plans to undertake using collected funds is important and how it will impact resident daily life. It is recommended that the City involve the community in its plans early, often, and in clear and diverse ways to mitigate the chance for negative reaction during the adoption period. Examples include public presentations for key audiences, utility bill stuffers, and developing a dedicated web page.

The City has started this process, with several presentations since 2018 to the City Commission and area nonprofits. They plan to continue their proactive efforts over the coming months.

Recommendation #2 – Invest In and Leverage High-Quality Data

Overly simple and excessively complex rate structures both present substantial challenges. Given that, it is recommended that the City pursue a middle ground rate solution that leverages impervious data as its foundational element, balancing simplicity with equitability. Although increased initial investment would be required, the benefit is that the implemented rate approach will be more accurate, defensible, and result in less resident and business challenges over time.

Recommendation #3 – Pursue a Phased Development Plan

Implementing a new utility can be challenging amongst other community priorities and, in some cases, communities may choose to ramp up service offerings and their associated rates slowly and

over time. This approach allows for a phase in of services and costs to residents and can reduce hurdles that may exist with a comprehensive initial implementation.

A recommended next step is to pursue a utility implementation phase that bridges the gap between this Feasibility Study and total utility implementation from which revenue can be generated. Tasks completed during this phase may include the development of a detailed phasing plan in addition to impervious area data collection and analysis, ordinance development, establishment of development requirements, public communications, policy development, public engagement, and a multi-year rate study. It is possible that some or all these costs may be funded by state grants issued from the Department of Commerce or Department of Natural Resources and Conservation through their various funding programs.

A key item to consider during this effort is the possible diversifying of rates for single family customers. It is common to apply a flat charge for this customer class due to the high number of properties and challenges regarding maintaining accurate data; however, there may be an opportunity to review and implement size tiers to improve rate equity.

Another key item that would need to be addressed during the development phase is determining how calculated service fees will be charged to customers. The most common approach is to utilize existing water and wastewater bills that are sent via physical mail or electronically monthly. Some cities elect to use property tax rolls; however, this approach is less common and can present legal, cash flow, and logistical challenges.

For example, the City of Billings has charged customers using a 'Property Tax' approach for many years until recently when they underwent a multi-year development process to switch to a more typical utility rate billing mechanism. The City of Bozeman also avoided using property taxes as a charge mechanism upon their stormwater utility development several years ago and uses a monthly utility bill approach as well.

Recommendation #4 – Track Population Growth and Regulatory Changes

MS4 Permit requirements will eventually impact the City; however, the timing could range from the next few years to over a decade. Even once a permit is acquired, MDEQ typically provides agencies with time to ramp up compliance activities and develop a multi-year plan to achieve compliance with newly enacted regulations.

Given this, it is recommended that the City monitor their population growth annually and iteratively increase planning activities once more clarity is reached on when regulations will apply. It is also recommended to remain in contact with an applicable MDEQ representative to track programmatic changes over time and communicate with other MS4s in the state to remain apprised of changes happening at federal and state regulatory levels.

Recommendation #5 – Pursue State and Federal Grant and Loan Opportunities

As Stated in Section 4.6, there are opportunities to secure grant funding from varying state and federal agencies. Pursuing these alternative funding sources takes time and resources, however, the assistance can go a long way towards augmenting local rate revenues and completing priority projects that otherwise would need to be deferred due to a lack of funding. For example, there

may be a willingness for state agencies to fund a portion of the Stormwater Utility's development stage. SRF loan funding is another area that could benefit the City long-term, especially given favorable terms and the ability to complete larger capital projects when year to year cash flow challenges exist.

Recommendation #6 – Formalize an Agreement with the Livingston Ditch Company

The Livingston Ditch (Ditch) flows south to north generally along Montana Street. The Ditch is utilized as an irrigation canal to supply agricultural fields north of the City. It also serves as a critical stormwater conveyance for a large portion of the City, especially during spring melt events.

The upcoming Montana Street project seeks to utilize the ditch as an outfall location for treated stormwater originating from that corridor. Given the scope and scale of the road project, and limited alternative outfall options, it is recommended that the City engage the Ditch Company and work to formalize an agreement for the long-term use of the Ditch. The City of Billings has completed similar negotiations recently with their agricultural community and has established contracts the City may emulate.

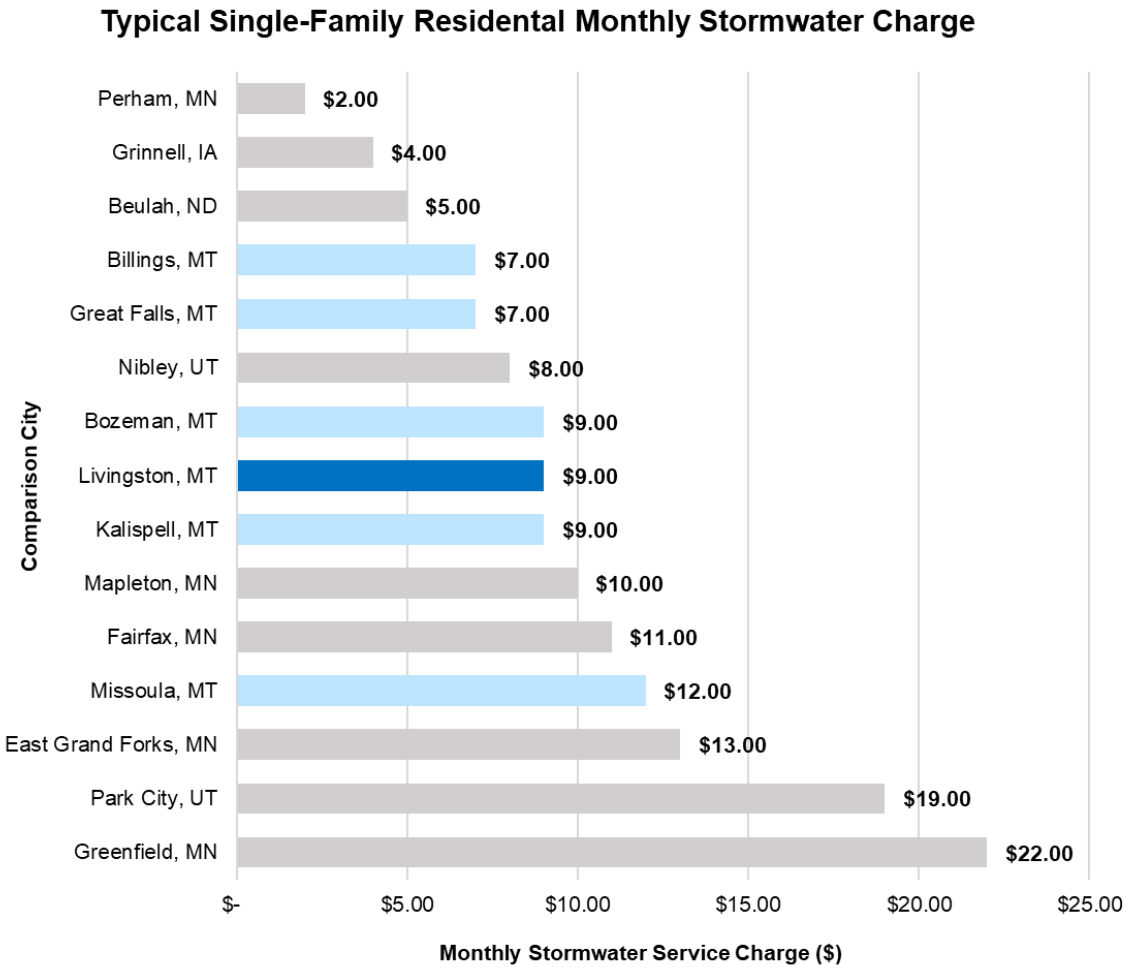
Recommendation #7 – Establish and Maintain an Accurate Asset Inventory

Accurately managing a robust GIS data set is essential to the long-term management of the City's stormwater system. The City has a good starting point; however, adding additional features, such as retention and detention basins, infrastructure related to growth, and improving attribution will benefit future operations/maintenance and system modeling activities.

Attachment A | Estimated Stormwater Utility Operating Expenses

#	Budget Category/Line Item	Notes and Detail	2025 Wastewater Utility Budget ($)	Ratio of Wastewater Utility Budget (%)	Adjusted First Year Stormwater Utility Budget ($)
STORMWATER ADMINISTRATION					
110	SALARIES AND WAGES	1/6 PW DIRECTOR SHARE	$ 67,216	17%	$ 11,427
120	OVERTIME	1/6 PW DIRECTOR SHARE	$ 1,200	17%	$ 204
141	UNEMPLOYMENT INSURANCE	1/6 PW DIRECTOR SHARE	$ 376	17%	$ 64
142	WORKERS' COMPENSATION	1/6 PW DIRECTOR SHARE	$ 345	17%	$ 59
143	HEALTH INSURANCE	1/6 PW DIRECTOR SHARE	$ 13,158	17%	$ 2,237
144	F.I.C.A.	1/6 PW DIRECTOR SHARE	$ 4,242	17%	$ 721
145	P.E.R.S.	1/6 PW DIRECTOR SHARE	$ 6,274	17%	$ 1,067
151	MEDICARE	1/6 PW DIRECTOR SHARE	$ 992	17%	$ 169
210	OFFICE SUPPLIES		$ 1,200	20%	$ 240
224	JANITOR CONTRACT/SUPPLIES		$ 1,800	20%	$ 360
331	LEGAL NOTICES		$ 500	20%	$ 100
346	INTERNET SERVICE		$ 3,300	20%	$ 660
352	CONSULTANT SERVICES	ENGINEERING SERVICES	$ 20,000	100%	$ 20,000
357	SOFTWARE SERVICES		$ 2,500	20%	$ 500
368	R&M-COMPUTER/OFFICE MACH		$ 1,139	20%	$ 228
394	INTERFUND GOVERNMENTAL SU		$ 17,400	0%	$ -
510	LIABILITY INSURANCE		$ 30,550	20%	$ 6,110
512	INSURANCE ON BUILDINGS		$ 60,800	20%	$ 12,160
513	INS ON VEHICLES & EQUIP		$ 4,050	20%	$ 810
535	LEASE AGREEMENTS		$ 2,500	20%	$ 500
FACILITIES					
220	OPERATING SUPPLIES		$ 1,000	100%	$ 1,000
341	UTILITIES-GAS/ELECTRIC		$ 3,500	100%	$ 3,500
347	CELLULAR PHONE		$ 3,000	100%	$ 3,000
361	REP & MAINT-GENERAL		$ 4,000	100%	$ 4,000
STORMWATER SERVICES					
110	SALARIES AND WAGES	OPERATIONS FTE	$ 169,965	33%	$ 56,088
120	OVERTIME	OPERATIONS FTE	$ 18,500	33%	$ 6,105
141	UNEMPLOYMENT INSURANCE	OPERATIONS FTE	$ 1,053	33%	$ 347
142	WORKERS' COMPENSATION	OPERATIONS FTE	$ 9,719	33%	$ 3,207
143	HEALTH INSURANCE	OPERATIONS FTE	$ 38,700	33%	$ 12,771
144	F.I.C.A.	OPERATIONS FTE	$ 11,871	33%	$ 3,917
145	P.E.R.S.	OPERATIONS FTE	$ 17,557	33%	$ 5,794
148	CLOTHING ALLOWANCE	OPERATIONS FTE	$ 3,000	33%	$ 990
151	MEDICARE	OPERATIONS FTE	$ 2,776	33%	$ 916
231	REP & MAINT SUPPLIES		$ 10,000	20%	$ 2,000
232	REP & MAINT-VEHICLES		$ 5,000	20%	$ 1,000
236	FUEL/OIL/DIESEL		$ 12,500	20%	$ 2,500
237	MAIN/HYDRANT/WELL PARTS		$ 25,000	20%	$ 5,000
255	SAFETY & RISK MANAGEMENT		$ 750	20%	$ 150
317	UTILITY LOCATE SERVICES		$ 1,200	20%	$ 240
344	UTILITIES-GAS/ELECTRIC		$ 10,500	20%	$ 2,100
361	REP & MAINT-GENERAL		$ 10,000	20%	$ 2,000
362	REP & MAINT-VEHICLES	EQUIPMENT SHARES	$ 13,000	0%	$ 40,470
368	R&M-COMPUTER/OFFICE MACH		$ 4,551	20%	$ 910
370	TRAVEL/LODGING/MEALS		$ 750	20%	$ 150
380	TRAINING SERVICES		$ 1,000	20%	$ 200
531	EQUIP RENTAL		$ 5,000	20%	$ 1,000
983	MAINLINE REPLACEMENT		$ 20,000	20%	$ 4,000
COLLECTION AND TRANSMISSION					
225	LABORATORY SUPPLIES		$ -	0%	$ -
940	CAPITAL OUTLAY		$ -	0%	$ -
960	INFRASTRUCTURE/WATER/SEWER		$ -	0%	$ -
				TOTAL:	***$ 220,971***

Attachment B | Residential Stormwater Rate Comparisons

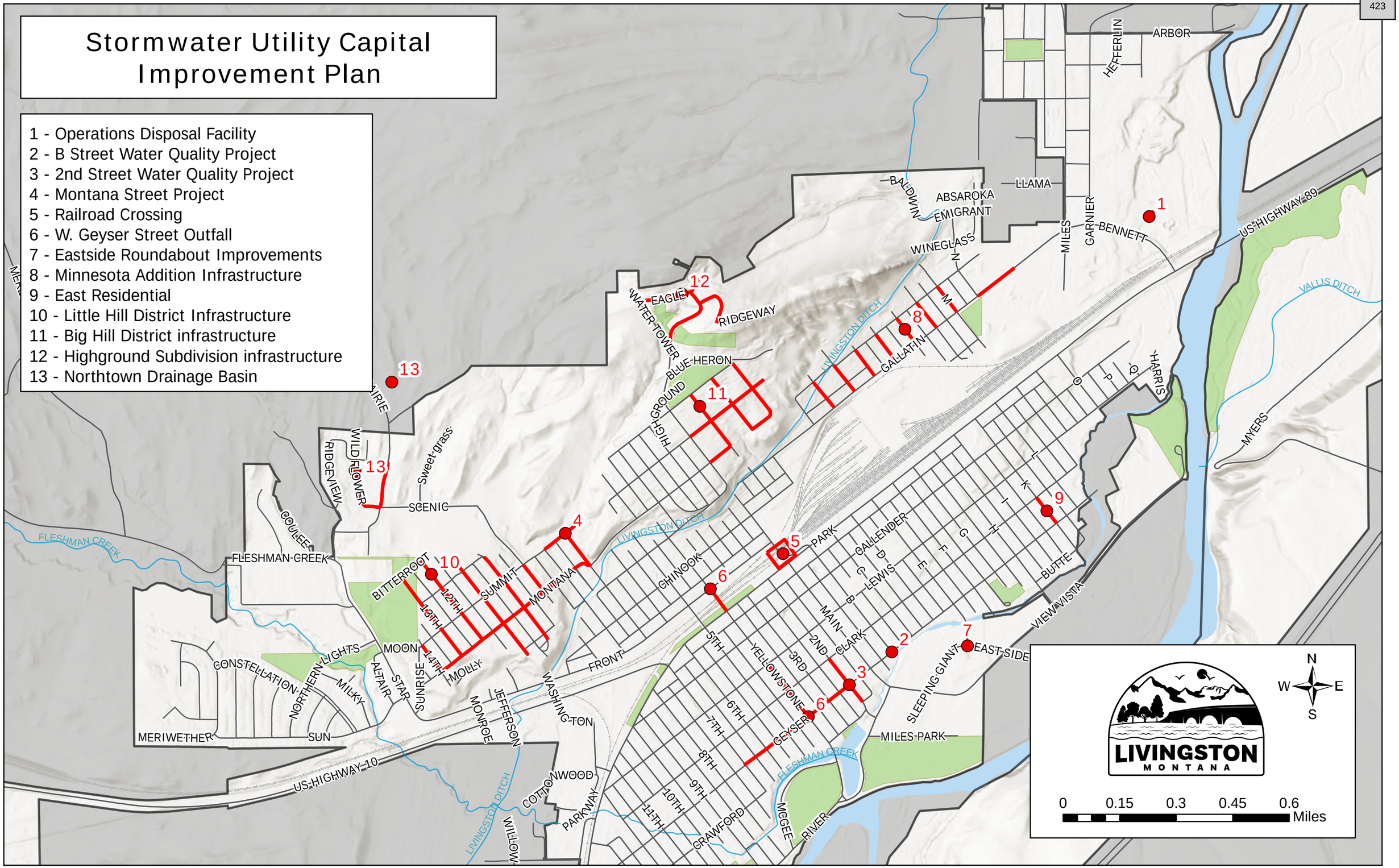


Attachment C | Stormwater Utility Capital Improvement Plan Map

Please see the following page for a map of the City's proposed stormwater capital projects.

Stormwater Utility Capital Improvement Plan

1 - Operations Disposal Facility
2 - B Street Water Quality Project
3 - 2nd Street Water Quality Project
4 - Montana Street Project
5 - Railroad Crossing
6 - W. Geyser Street Outfall
7 - Eastside Roundabout Improvements
8 - Minnesota Addition Infrastructure
9 - East Residential
10 - Little Hill District Infrastructure
11 - Big Hill District infrastructure
12 - Highground Subdivision infrastructure
13 - Northtown Drainage Basin



File Attachments for Item:

C. DISCUSSION REGARDING POWERS AND DUTIES OF HISTORIC PRESERVATION COMMISSION

LivingstonMontana.org | PublicComment@LivingstonMontana.org | 406.823.6000

DATE: September 16, 2025

TO: Chair Schwarz and City Commissioners

FROM: Grant Gager, City Manager

RE: Staff Report for Discussion Regarding Powers and Duties of Historic Preservation Commission

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Recommendation and Summary

The City Manager is presenting an update to the City Commission regarding the powers and duties of the Historic Preservation Commission and requesting direction on how to proceed. As such, a motion is neither requested nor required.

The reasons for the update are as follows:

- The Montana State Legislature made certain changes in the 2025 session that affect the function of the Historic Preservation Commission.
- City staff expects to incorporate these changes during the 2025 Zoning Code Update project and is seeking Commission direction.

Introduction and History

The City of Livingston has long had a Historic Preservation Commission (HPC), as detailed in Chapter 31 of the Livingston Municipal Code (LMC). The HPC is empowered with certain duties as described in Section 31.05.F. of the LMC.

The Montana State Legislature considered and passed Senate Bill 214 (SB 214) during the 2025 session. Section 5 of SB 214 removed an exemption for historic preservation boards from the requirement that certain permit and design reviews be conducted by City staff.

Analysis

City staff is preparing an update to the zoning provisions of the Livingston Municipal Code and intends to merge Chapter 31 entitled Historic District Overlay Zoning into the zoning provisions included in Chapter 30. As part of that, staff intends to make changes to help the current powers and duties in LMC 31.05.F. conform to SB 214. The proposed changes are included in Attachment A. Unless otherwise directed by the City Commission, the proposed changes will be incorporated into the on-going zoning code update.

Fiscal Impact
There is no fiscal impact to this presentation.

Strategic Alignment
Growth Policy Strategy 9.1.2.2. encourages the City to "explore the creation of a stormwater utility" while Strategy 9.1.2.1. encourages the City to "reduce the risk of flooding and pollution threats through proactive and innovate stormwater management programs."

Attachments

- Attachment A: Proposed Changes to Livingston Municipal Code Section 31.05.F.
- Attachment B: Senate Bill 214 (SB 214)

Sec. 31.05. Historic Preservation Commission (HPC).

A. Establishment of the HPC. In order to carry out the purpose and intent of this Chapter, the HPC is created. The HPC shall consist of five (5) residents of the City or owners of property within the downtown historic district and, inasmuch as possible, shall consist of the following mix:

1. Two (2) members with professional expertise in the disciplines of history, planning, archaeology, architecture, architectural history, historic archaeology, or other historic preservation-related disciplines such as cultural geography or cultural anthropology.
2. One (1) locally licensed contractor.
3. One (1) resident knowledgeable about the historical aspects of Livingston.
4. One (1) owner or lessee of property within the historical district.

B. Appointment, Term, Vacancy.

1. All appointments to the HPC shall be made by the Chair of the City Commission and approved by the City Commission.
2. The terms of the HPC members shall be for three (3) years.
3. The terms of the HPC members are to be staggered by appointing two (2) of the five (5) commissioners to an initial term of two (2) years.

C. Officers, Quorum, Staff.

1. The Chairperson shall be elected by the members of the HPC at the first meeting held in each calendar year.
2. A quorum shall consist of three (3) members of the HPC.
3. The Director of Building and Planning shall serve as the executive secretary to the HPC and shall perform all staff duties required by this Chapter.

D. Conflict of Interest. No member of the HPC may vote on any project in which they or any partner has worked or in which they or any partner has any financial interest, including professional fees.

E. Meetings, Notice of Meetings.

1. The HPC shall schedule a minimum of one (1) regularly scheduled meeting each month, except that the Chairperson may cancel the meeting if no item is on the agenda. Additional special meetings may be called by the Chairperson when such meetings are necessary to carry out the provisions of this Chapter.
2. Requirements for notice of meetings of the HPC shall be determined by the Chairperson in consultation with the City Attorney. Notice of meetings should be calculated to reach all interested and affected members of the community in sufficient time to enable them to participate meaningfully in HPC proceedings. Notice may be achieved by posting, through advertisements in newspapers of general circulation, radio public service announcements, news releases to local news media or any other method deemed necessary and appropriate.

F. Powers and Duties. The HPC shall have the power to:

1. Establish criteria for designation of properties as a historic site or district, pursuant to the National Register of Historic Preservation criteria;

2. Review and comment upon the conduct of land use, housing and redevelopment, municipal improvement, and other types of planning programs undertaken by city, county, state or federal agencies, as they relate to cultural and historical resources;
3. Establish guidelines to be used by the ~~HPC~~ the City in reviewing applications for permits to construct, alter, change, modify, remove, or significantly affect any cultural resource;
4. Provide to all interested parties information available on surveys, technologies and funding sources needed to promote cultural resource preservation;
5. ~~Approve or disapprove applications for permits~~ Provide non-binding recommendations on applications involving alterations to historic resources to the Zoning Administrator. These recommendations shall be advisory and shall not be considered an action on the issuance or denial of variances or building permits;
6. If requested, render advice and guidance upon request of the property owner as to the restoration, alteration, decoration, landscaping or maintenance of any cultural resource designation.

(Amended by Ord. 1692, 7/1/91; Ord. 1868, 2/2/98; Ord. 1878, 9/21/98; Ord. No. 2038, § 1, 3/20/12; Ord. No. 2054, § 1, 4/23/15; Ord. No. 3005, § 2, 4/20/21)

AN ACT REVISING ZONING LAWS; PROVIDING THAT THE USE OF PROPERTY MUST BE FAVORED IN CASES INVOLVING AN INTERPRETATION OF USE OR WHETHER A NONCONFORMING USE OF LAND IS ALLOWED AND THERE IS AMBIGUITY AS TO THE USE OR PRIOR USE; REMOVING THE EXCEPTION THAT HISTORIC PRESERVATION BOARDS MAY REVIEW APPLICATIONS FOR ZONING PERMITS AND VARIANCES; AMENDING SECTIONS 76-2-105, 76-2-113, 76-2-208, 76-2-210, 76-2-302, 76-2-308, AND 76-25-301, MCA; AND PROVIDING AN IMMEDIATE EFFECTIVE DATE.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MONTANA:

Section 1. Section 76-2-105, MCA, is amended to read:

"**76-2-105. Continuation of ~~prior~~ nonconforming uses.** (1) ~~Existing nonconforming uses may be continued although not in conformity with such~~ ~~zoning regulations~~ The zoning regulations must allow for the nonconforming use of land or buildings legal at the time or prior to the time that a zoning regulation or amendment to the regulation was adopted, but the board of county commissioners may provide grounds for discontinuing nonconforming uses based on changes to or abandonment of the use of the land or buildings after the adoption of a zoning regulation or amendment.

(2) Any ambiguity or uncertainty in the zoning regulations as to whether a nonconforming use is allowed or whether the use was allowed when it was commenced must be interpreted in favor of the nonconforming use."

Section 2. Section 76-2-113, MCA, is amended to read:

"**76-2-113. Enforcement and interpretation of zoning provisions.** (1) If any building or structure is erected, constructed, reconstructed, altered, repaired, converted, or maintained or if any building, structure, or land is used in violation of this part or of any resolution adopted under this part, the county, in addition to other

remedies, may take any appropriate action or begin proceedings to:

~~(1)~~(a) prevent the unlawful erection, construction, reconstruction, alteration, repair, conversion, maintenance, or use;

~~(2)~~(b) restrain, correct, or abate a violation;

~~(3)~~(c) prevent the occupancy of a building, structure, or land; or

~~(4)~~(d) prevent any illegal act, conduct, business, or use in or near the premises.

(2) In interpreting a use and in determining whether a use violates this part or a resolution adopted under this part, any ambiguity or uncertainty in the zoning regulations as to whether the use is in violation must be interpreted in favor of the use in question."

Section 3. Section 76-2-208, MCA, is amended to read:

"**76-2-208. Continuation of nonconforming uses.** (1) ~~Any lawful use which is made of land or buildings at the time any zoning resolution is adopted by the board of county commissioners may be continued although such use does not conform to the provisions of such resolution~~ The zoning regulations must allow for the nonconforming use of land or buildings legal at the time or prior to the time that a zoning regulation or amendment to the regulation was adopted, but the board of county commissioners may provide grounds for discontinuing nonconforming uses based on changes to or abandonment of the use of the land or buildings after the adoption of a zoning regulation or amendment.

(2) Any ambiguity or uncertainty in the zoning regulations as to whether a nonconforming use is allowed or whether the use was allowed when it was commenced must be interpreted in favor of the nonconforming use."

Section 4. Section 76-2-210, MCA, is amended to read:

"**76-2-210. Enforcement and interpretation of zoning provisions.** (1) If any building or structure is erected, constructed, reconstructed, altered, repaired, converted, or maintained or any building, structure, or land is used in violation of this part or of any resolution adopted under this part, the county, in addition to other remedies, may institute any appropriate action or proceedings to:

(a) prevent the unlawful erection, construction, reconstruction, alteration, repair, conversion,

maintenance, or use;

(b) restrain, correct, or abate a violation;

(c) prevent the occupancy of the building, structure, or land; or

(d) prevent any illegal act, conduct, business, or use in or near the premises.

(2) In interpreting a use and in determining whether a use violates this part or a resolution adopted under this part, any ambiguity or uncertainty in the zoning regulations as to whether the use is in violation must be interpreted in favor of the use in question.

~~(2)~~(3) For the purposes of enforcing subsections (1)(a) through (1)(c), the county shall attempt to obtain voluntary compliance at least 30 days before filing a complaint for a violation of this part that is subject to the penalties under 76-2-211.

~~(3)~~(4) The board of county commissioners may appoint enforcing officers to supervise and enforce the provisions of the zoning resolutions."

Section 5. Section 76-2-302, MCA, is amended to read:

"**76-2-302. Zoning districts.** (1) For the purposes of 76-2-301, the local city or town council or other legislative body may divide the municipality into districts of the number, shape, and area as are considered best suited to carry out the purposes of this part. Within the districts, it may regulate and restrict the erection, construction, reconstruction, alteration, repair, or use of buildings, structures, or land, including the creation of zoning districts that allow tiny dwelling units.

(2) All regulations must be uniform for each class or kind of buildings throughout each district, but the regulations in one district may differ from those in other districts.

(3) In a proceeding for a permit or variance to place manufactured housing within a residential zoning district, there is a rebuttable presumption that placement of a manufactured home will not adversely affect property values of conventional housing.

(4) As used in this section, the following definitions apply:

(a) "Manufactured housing" means a single-family dwelling, built offsite in a factory, that is in compliance with the applicable prevailing standards of the United States department of housing and urban development at the time of its production. A manufactured home does not include a mobile home or

housetrailer, as defined in 15-1-101.

(b) (i) "Tiny dwelling unit" means a residential dwelling unit that is 350 to 750 square feet, is on a permanent foundation, and is used as a single-family dwelling for at least 45 days or longer.

(ii) Appendix Q, tiny houses, of the International Building Code as it was printed on January 1, 2023, may govern all other requirements of a tiny dwelling unit that is 350 to 750 square feet.

(5) This section may not be construed to limit conditions imposed in historic districts, local design review standards, existing covenants, or the ability to enter into covenants pursuant to Title 70, chapter 17, part 2. Local design review standards imposed by a local government must be clear, objective, and necessary to protect public health or safety or to comply with federal law.

(6) Zoning regulations may not include a requirement to:

(a) pay a fee for the purpose of providing housing for specified income levels or at specified sale prices; or

(b) dedicate real property for the purpose of providing housing for specified income levels or at specified sale prices.

(7) A dedication of real property as prohibited in subsection (6)(b) includes a payment or other contribution to a local housing authority or the reservation of real property for future development of housing for specified income levels or specified sale prices.

(8) ~~(a) Except as provided in subsection (8)(b), when~~ When reviewing an application for a zoning permit or variance from local design review standards, the determination of compliance with local design review standards as provided in subsection (5) must be conducted by employees of the municipality, and the municipality may not require review by an external board~~.~~

~~(b) Subsection (8)(a) does not apply to historic preservation boards reviewing an application for a permit or variance to structures or districts that the local government has designated as historic or that are listed on the national register of historic places as defined in the National Historic Preservation Act of 1966 as it read on October 1, 2023~~."

Section 6. Section 76-2-308, MCA, is amended to read:

"**76-2-308. Enforcement and interpretation of zoning regulations and ordinances.** (1) The city or

town council or other legislative body may provide by ordinance for the enforcement of this part and of ~~any~~ a regulation or ordinance made ~~thereunder~~ under the provisions of this part.

(2) In case any building or structure is erected, constructed, reconstructed, altered, repaired, converted, or maintained or any building, structure, or land is used in violation of this part or of any ordinance or other regulation made under authority conferred ~~hereby~~ by this part, the proper local authorities of the municipality, in addition to other remedies, may institute any appropriate action or proceedings to:

(a) prevent ~~such~~ the unlawful erection, construction, reconstruction, alteration, repair, conversion, maintenance, or use;

(b) ~~to~~ restrain, correct, or abate ~~such~~ a violation; ~~to~~

(c) prevent the occupancy of ~~such~~ the building, structure, or land; or ~~to~~

(d) prevent any illegal act, conduct, business, or use in or ~~about such~~ near the premises.

(3) In interpreting a use and in determining whether a use violates this part or a resolution adopted under this part, any ambiguity or uncertainty in the zoning regulations as to whether the use is in violation must be interpreted in favor of the use in question."

Section 7. Continuation of nonconforming uses. (1) The zoning regulations must allow for the nonconforming use of land or buildings legal at the time or prior to the time that a zoning regulation or amendment to the regulation is adopted, but the local government may provide grounds for discontinuing nonconforming uses based on changes to or abandonment of the use of the land or buildings after the adoption of a zoning regulation or amendment.

(2) Any ambiguity or uncertainty in the zoning regulations as to whether a nonconforming use is allowed or whether the use was allowed when it was commenced must be interpreted in favor of the ~~free~~ use ~~of property~~ in question.

Section 8. Section 76-25-301, MCA, is amended to read:

"**76-25-301. Authority to adopt local zoning regulations.** (1) (a) A local government subject to this chapter, within its respective jurisdiction, has the authority to and shall regulate the use of land in substantial compliance with its adopted land use plan by adopting zoning regulations.

(b) The governing body of a county or city has the authority to adopt zoning regulations in accordance with this part by an ordinance that substantially complies with 7-5-103 through 7-5-107.

(c) A municipality shall adopt zoning regulations for the portions of the jurisdictional area outside of the boundaries of the municipality that the governing body anticipates may be annexed into the municipality over the next 20 years. Unless otherwise agreed to by the applicable jurisdictions, zoning regulations on property outside the municipal boundaries may not apply or be enforced until those areas are annexed or are being annexed into the municipality.

(2) Local zoning regulations authorized in subsection (1) include but are not limited to ordinances prescribing the:

(a) uses of land;

(b) density of uses;

(c) types of uses;

(d) size, character, number, form, and mass of structures; and

(e) development standards mitigating the impacts of development, as identified and analyzed during the land use planning process and review and adoption of zoning regulations pursuant to this chapter.

(3) The local government shall incorporate any existing zoning regulations adopted pursuant to Title 76, chapter 2, into the zoning regulations meeting the requirements of this chapter.

(4) The local government shall adopt a zoning map for the jurisdiction in substantial compliance with the land use plan and future land use map and the zoning regulations adopted pursuant to this section, graphically illustrating the zone or zones that a property within the jurisdiction is subject to.

(5) The local government may provide for the issuance of permits as may be necessary for the implementation of this chapter.

(6) (a) The zoning regulations and map must identify areas that may necessitate the denial of a development or a specific type of development, such as unmitigable natural hazards, insufficient water supply, inadequate drainage, lack of access, inadequate public services, or the excessive expenditure of public funds for the supply of the services.

(b) The regulations must prohibit development in the areas identified in subsection (6)(a) unless the hazards or impacts may be eliminated or overcome by approved construction techniques or other mitigation

measures identified in the zoning regulations.

(c) Approved construction techniques or other mitigation measures described in subsection (6)(b) may not include building regulations as defined in 50-60-101 other than those identified by the department of labor and industry as provided in 50-60-901.

(7) The zoning regulations and map must mitigate the hazards created by development in areas located within the floodway of a flood of 100-year frequency, as defined by Title 76, chapter 5, or determined to be subject to flooding by the governing body. If the hazards cannot be mitigated, the zoning regulations and map must identify those areas where future development is limited or prohibited.

(8) (a) The zoning regulations must allow for the continued use of land or buildings legal at the time that any zoning regulation, map, or amendment ~~thereto~~ of these is adopted, but the local government may provide grounds for discontinuing nonconforming uses based on changes to or abandonment of the use of the land or buildings after the adoption of a zoning regulation, map, or amendment.

(b) Any ambiguity or uncertainty in the zoning regulations as to whether a nonconforming use is allowed or whether the use was allowed when it was commenced must be interpreted in favor of the nonconforming use.

(9) In interpreting a use and in determining whether a use violates this chapter or a resolution adopted under this chapter, any ambiguity or uncertainty in the zoning regulations as to whether the use is in violation must be interpreted in favor of the use in question."

Section 9. Codification instruction. [Section 7] is intended to be codified as an integral part of Title 76, chapter 2, part 3, and the provisions of Title 76, chapter 2, part 3, apply to [section 7].

Section 10. Effective date. [This act] is effective on passage and approval.

- END -

I hereby certify that the within bill,

SB 214, originated in the Senate.

_____

Secretary of the Senate

_____

President of the Senate

Signed this _____day

of_____, 2025.

_____

Speaker of the House

Signed this _____day
of_____, 2025.

SENATE BILL NO. 214

INTRODUCED BY G. HERTZ

AN ACT REVISING ZONING LAWS; PROVIDING THAT THE USE OF PROPERTY MUST BE FAVORED IN CASES INVOLVING AN INTERPRETATION OF USE OR WHETHER A NONCONFORMING USE OF LAND IS ALLOWED AND THERE IS AMBIGUITY AS TO THE USE OR PRIOR USE; REMOVING THE EXCEPTION THAT HISTORIC PRESERVATION BOARDS MAY REVIEW APPLICATIONS FOR ZONING PERMITS AND VARIANCES; AMENDING SECTIONS 76-2-105, 76-2-113, 76-2-208, 76-2-210, 76-2-302, 76-2-308, AND 76-25-301, MCA; AND PROVIDING AN IMMEDIATE EFFECTIVE DATE.

File Attachments for Item:

D. RESOLUTION 5176: A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, ACCEPTING UTILITY AND ACCESS EASEMENTS GRANTED BY SUN MOINTAIN LUMBER INC. AND AUTHORIZING CITY MANAGER TO SIGN ASSOCIATED DOCUMENTS.

LivingstonMontana.org | PublicComment@LivingstonMontana.org | 406.823.6000

DATE: September 16, 2025

TO: Chair Schwarz and City Commissioners

FROM: Grant Gager, City Manager

RE: Staff Report for Resolution 5176 Granting a Utility Easement

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Recommendation and Summary

Staff recommends the Commission approve Resolution 5176 by adopting the following motion:

"I move to approve Resolution 5176 and authorize the Chair to sign."

The reasons for the recommendation are as follows:

- The City installed a water main on the Sun Mountain facility at the request of the owner.
- The City is obtaining an easement to ensure its ability to access the line to perform maintenance.

Introduction and History

The City of Livingston installed a sewer main on the Sun Mountain Incorporated lumber yard in 2024. As part of this project, the City requires easements to maintain and operate certain the water main.

Analysis

The granting of easements is required to ensure that access to constructed infrastructure is legally enforceable.

Fiscal Impact

There is no fiscal impact arising from this easement.

Strategic Alignment

The operation and maintenance of infrastructure is critical to City operations.

Attachments

- Attachment A: Resolution 5176

Return to:
City Clerk
City of Livingston
206 E. Park Street
Livingston, MT 59047

WATER PIPELINE EASEMENT AND AGREEMENT

The Undersigned, **Sun Mountain Lumber, Inc.**, a Montana corporation, of P.O. Box 389, Deer Lodge, Montana 59772, hereinafter referred to as GRANTOR for and in other good and valuable consideration, the receipt whereof is hereby acknowledged, does hereby grant and convey to the **City of Livingston**, a Montana municipal corporation and political subdivision of the State of Montana, of 206 E. Park Street, Livingston, MT 59047, hereinafter referred to as AGRANTEE@, its successors, assigns, lessees, licensees and agents, perpetual easements that run with the land, to lay, construct, reconstruct, modify, change, add to, operate, maintain and remove a water pipeline and such facilities values, connections, accessories and appurtenances for the purposes of transmitting water, from time to time, as GRANTEE may require in, through, upon, over, under and across the following described land situated in Park County, State of Montana, which the GRANTOR owns or in which the GRANTOR has any interest, to wit:

> The easements are more particularly described in the attached Exhibit 1 which is incorporated herein by reference.

GRANTOR further conveys to GRANTEE the following rights:

1.) A temporary right-of-way to be used during all periods of construction, reconstruction, reinforcement, repair and removal upon a strip of land Twenty (20) feet wide on the left side of said easements, and a strip of land Twenty (20) feet wide on the right side of said easements;

2.) The right of the GRANTEE, its successors, permittees, licensees, and assigns and its and their agents and employees, to enter at all times upon the above-described land by using existing roads or trails or otherwise by a route causing the least damage and inconvenience to the GRANTOR in order to survey and establish the route and location of the easement and the pipelines;

3.) Construct, operate, patrol, repair, substitute, remove, enlarge, replace, and maintain the pipeline(s), services, connections, accessories and appurtenances;

4.) Trim, remove, destroy, or otherwise control any obstructions, trees and brush inside or outside the boundaries of the easements which may, in the opinion of the GRANTEE, interfere or threaten to interfere with or be hazardous to the construction, operation and maintenance of the pipeline(s);

5.) Grade the land subject to this easement and extend the cuts and fills of this grading into and on the land adjacent to that which is subject to this easement to the extent GRANTEE may find reasonably necessary; and,

6.) Support the pipeline(s) across ravines and water courses with structures which GRANTEE deems necessary.

THE GRANTEE AGREES:

1.) That, in connection with the construction, operating, patrolling, repairing, substituting, removing, enlarging, replacing, and maintaining of said water pipeline(s), it will repair or replace, at its sole expense, or pay to GRANTOR the reasonable value of any damages to existing fences, ditches and other appurtenances of said land that may be disturbed by its operation.

2.)That, during operations involving excavation, repair, maintenance and replacement, it will remove the topsoil from the trenched area to a depth of one foot, or to the full depth of the topsoil, whichever is less, and stockpile said top soil for replacement over the trench. It will remove from the site any large rocks or surplus excavating material or any debris that may have been exposed by the excavation and remains after backfilling is completed. And, it will leave the finished surface in substantially the same condition as existed prior to the beginning of operations except that the surface of backfilled areas may be mounded sufficiently to prevent the formation of depressions after final settlement has taken place.

3.) GRANTEE will require its employees, contractors and subcontractors, to notify the GRANTOR at its front office that it will enter the GRANTOR'S buildings or be in the easement areas to perform work.

4.) GRANTEE will require its employees, contractors and subcontractors, when

in the GRANTOR'S buildings and when in the easement areas, to wear Personal Protective Equipment, such as, but not limited to, safety glasses, hard hats, high visibility vest or coats, and hearing protection equipment.

5.) GRANTEE shall indemnify GRANTOR for all damages caused to GRANTOR as a result of GRANTEES negligent exercise of the rights and privileges herein granted. GRANTEE shall have no responsibility for pre-existing environmental contamination or liabilities.

6.) The GRANTEE may peaceably hold and enjoy the rights and privileges herein granted without any interruption by the GRANTOR. The terms, covenants and provisions of this easement and agreement shall extend to and be binding upon the heirs, executors, administrators, personal representatives, successors and assigns of the parties hereto.

THE GRANTOR AGREES:

1.) At no time will they build, construct, erect or maintain any permanent structure within the boundaries of said easement without the prior written consent of GRANTEE.

2.) At no time will they modify the finished grade of the land over the pipeline(s) by removal of existing soil or by placement of fill material within the boundaries of said easement without the prior written consent of the GRANTEE.

3.) The GRANTOR warrants that it is lawfully seized and possessed of the real property described above, that it has a lawful right to convey the property, or any part of it, and that it will forever defend the title to this property against the claims of all persons.

4.) GRANTOR hereby covenants that no excavation, building, structure or obstruction will be constructed, erected, built or permitted on said easement areas.

5.) At no time will the GRANTOR's employees, contractors and subcontractors be permitted to use the fire hydrants installed by the GRANTEE on GRANTOR'S property and the easement areas without the GRANTEE'S prior written consent.

The rights, conditions and provisions of this easement shall inure to the benefit of and be binding upon the heirs, executors, administrators, successors and assigns of the respective parties hereto.

DATED this _____ day of _____, 2025.

GRANTOR:

Sun Mountain Lumber, Inc.

By: _____
_____
(Print Name)

Its: _____

GRANTEE:

City of Livingston

By: _____
Grant Gager
Its: City Manager

STATE OF MONTANA)
:ss
County of Park)

On this _____ day of _____, 2025, before me, the undersigned, a Notary Public for the State of Montana, personally appeared **_____, President of Sun Mountain Lumber, Inc.**, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

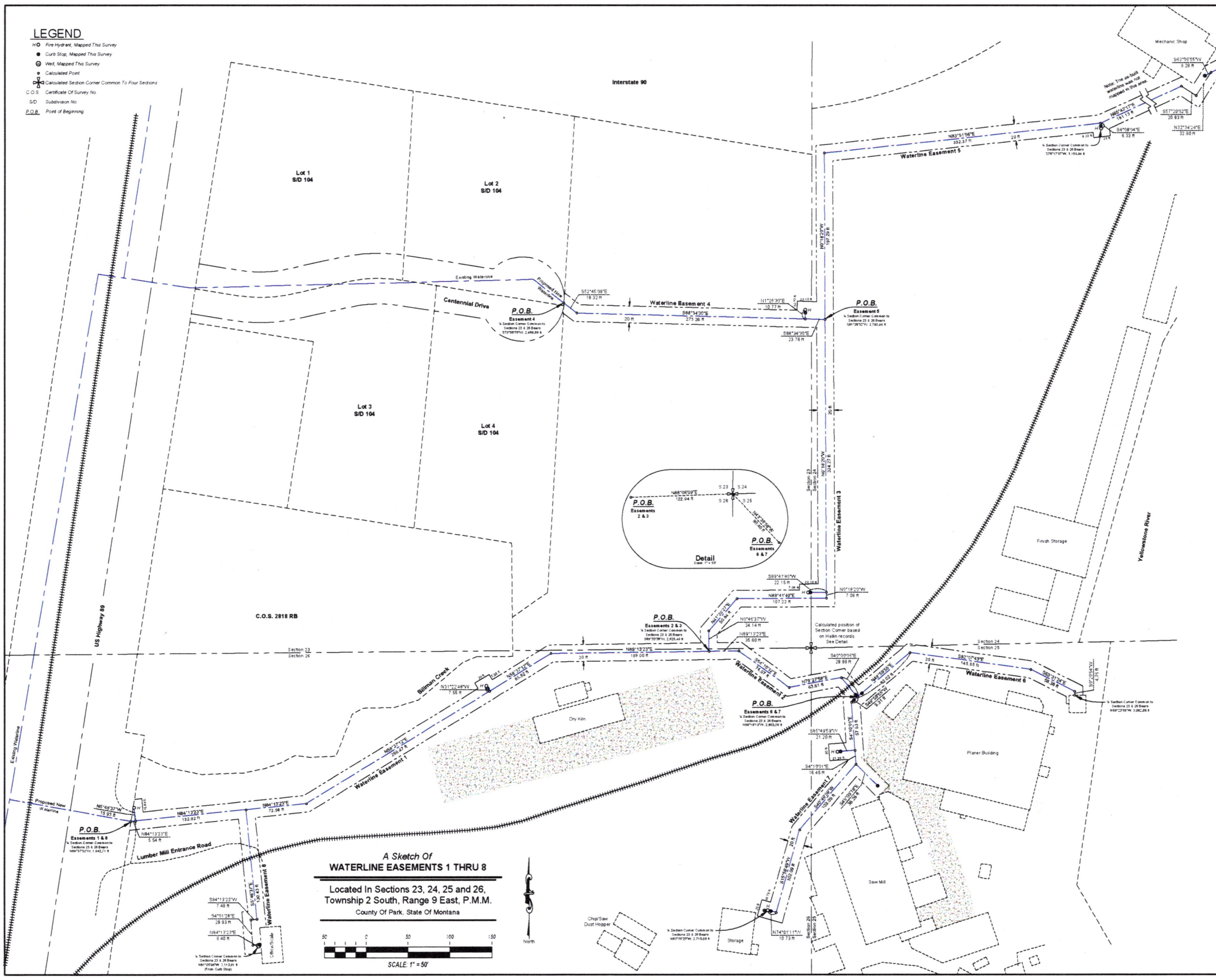
_____
Notary Public for the State of Montana.
(S E A L)

STATE OF MONTANA)
:ss
County of Park)

On this _____ day of _____, 2025, before me, the undersigned, a Notary Public for the State of Montana, personally appeared **Grant Gager**, **City Manager for City of Livingston**, known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

_____
Notary Public for the State of Montana
(S E A L)



DESCRIPTION - WATERLINE EASEMENT 1

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 23, 25 and 26, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of U.S. Highway 89 and Waterline Easements 2 and 3 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants, curb stops and building offsets, with the center line more particularly described as follows:

BEGINNING at a point on the easterly right-of-way boundary of U.S. Highway 89, from which the ¼ Section Corner common to said Sections 23 and 26 bears N84°37'33"W, 1,942.71 feet; thence leaving the said right-of-way boundary and along the centerline of this easement N84°13'23"E, 5.54 feet to a point; thence N84°13'23"E, 132.92 feet to a point; thence N84°13'23"E, 72.56 feet to a point; thence N58°37'12"E, 256.47 feet to a point; thence N58°37'12"E, 85.92 feet to a point; thence N89°13'23"E, 189.00 feet to the point of beginning of Waterline Easements 2 and 3 described herewith, from which the ¼ Section Corner common to said Sections 23 and 26 bears S89°33'38"W, 2,625.49 feet.

DESCRIPTION - WATERLINE EASEMENT 2

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 25 and 26, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 1, 3, 6 and 7 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants and curb stops, with the center line more particularly described as follows:

BEGINNING at the endpoint of Waterline Easement 1 described herewith, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears S89°33'38"W, 2,625.49 feet; thence along the centerline of this easement N89°13'23"E, 35.60 feet to a point; thence S54°10'32"E, 74.07 feet to a point; thence N79°27'58"E, 63.61 feet to a point; thence S40°00'05"E, 29.98 feet to the point of beginning of Waterline Easements 6 and 7 described herewith, from which the ¼ Section Corner common to said Sections 23 and 26 bears N89°18'13"W, 2,803.08 feet.

DESCRIPTION - WATERLINE EASEMENT 3

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 23, 24 and 25, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 1, 2, 4 and 5 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants and curb stops, with the center line more particularly described as follows:

BEGINNING at the endpoint of Waterline Easement 1 described herewith, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears S89°33'38"W, 2,625.49 feet; thence along the centerline of this easement N0°46'37"W, 24.14 feet to a point; thence N41°26'27"E, 50.84 feet to a point; thence N89°41'40"E, 107.22 feet to a point; thence N0°18'20"W, 7.08 feet to a point; thence N0°18'20"W, 324.27 feet to the point of beginning of Waterline Easement 5 and the endpoint of Waterline Easement 4, both described herewith, from which the ¼ Section Corner common to said Sections 23 and 26 bears S81°28'32"W, 2,795.06 feet.

DESCRIPTION - WATERLINE EASEMENT 4

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 23 and 24, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 3 and 5 described herewith and at the easterly boundary of Subdivision No. 104, also including the enlarged areas shown on the sketch herewith for fire hydrants and curb stops, with the center line more particularly described as follows:

BEGINNING at a point on the easterly boundary of Subdivision No. 104, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears S79°58'33"W, 2,489.89 feet; thence along the centerline of this easement S52°45'09"E, 19.32 feet to a point; thence S88°34'30"E, 273.26 feet to a point; thence S88°34'30"E, 23.76 feet to the point of beginning of Waterline Easement 5 and the endpoint of Waterline Easement 3, both described herewith, from which the ¼ Section Corner common to said Sections 23 and 26 bears S81°28'32"W, 2,795.06 feet.

DESCRIPTION - WATERLINE EASEMENT 5

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 23 and 24, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 3 and 4 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants, curb stops and building offsets, with the center line more particularly described as follows:

BEGINNING at the endpoint of Waterline Easements 3 and 4, both described herewith, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears S81°28'32"W, 2,795.06 feet; thence along the centerline of this easement N0°18'20"W, 197.29 feet to a point; thence N83°51'56"E, 332.37 feet to a point; thence N65°42'17"E, 191.13 feet to a point; thence S57°20'02"E, 20.93 feet to a point; thence N32°34'24"E, 32.80 feet to a point; thence N63°05'55"E, 151.66 feet to a point; thence N26°54'05"W, 8.39 feet to a point; thence N63°30'25"E, 36.81 feet to a point; thence S26°54'05"E, 8.13 feet to a point, from which the ¼ Section Corner common to said Sections 23 and 26 bears S77°06'55"W, 3,422.12 feet.

DESCRIPTION - WATERLINE EASEMENT 6

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 25 and 26, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 2 and 7 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants and curb stops, with the center line more particularly described as follows:

BEGINNING at the endpoint of Waterline Easement 2 described herewith, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears N89°18'13"W, 2,803.08 feet; thence along the centerline of this easement N49°59'55"E, 82.02 feet to a point; thence S82°07'43"E, 145.85 feet to a point; thence S63°31'24"E, 58.38 feet to a point; thence S0°29'54"W, 4.76 feet to a point, from which the ¼ Section Corner common to said Sections 23 and 26 bears N89°23'58"W, 3,062.58 feet.

DESCRIPTION - WATERLINE EASEMENT 7

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 25 and 26, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 2 and 6 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants and curb stops, with the center line more particularly described as follows:

BEGINNING at the endpoint of Waterline Easement 2 described herewith, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears N89°18'13"W, 2,803.08 feet; thence along the centerline of this easement S49°59'55"W, 9.31 feet to a point; thence S4°10'01"E, 57.53 feet to a point; thence S4°10'01"E, 16.45 feet to a point; thence S40°49'59"W, 103.05 feet to a point; thence S15°58'49"W, 102.09 feet to a point; thence N74°01'11"W, 10.73 feet to a point, from which the ¼ Section Corner common to said Sections 23 and 26 bears N83°55'08"W, 2,710.56 feet.

DESCRIPTION - WATERLINE EASEMENT 8

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Section 26, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 2 and 6 described herewith, also including the enlarged areas shown on the sketch herewith for a well, curb stops and building offsets, with the center line more particularly described as follows:

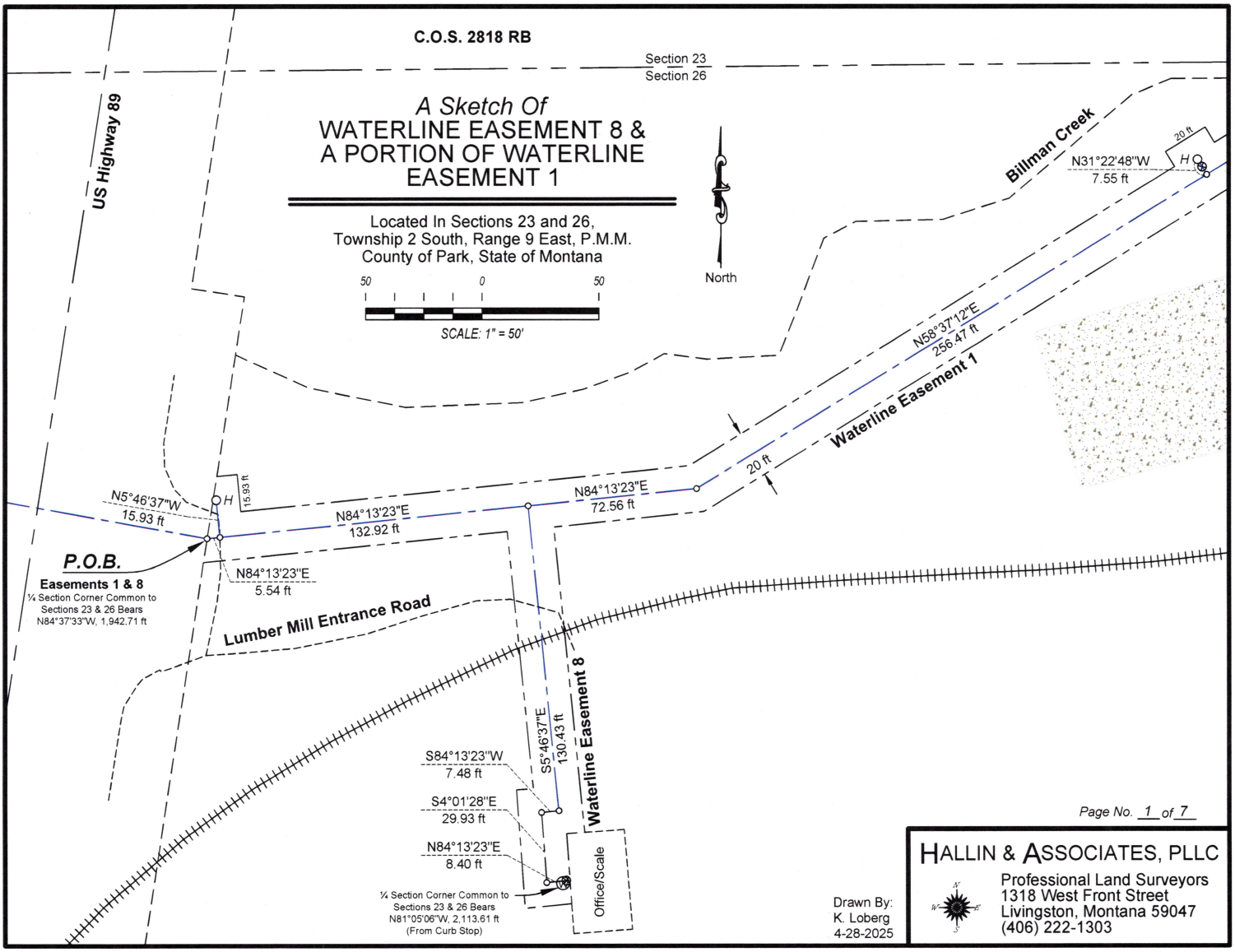
BEGINNING at a point on the easterly right-of-way boundary of U.S. Highway 89, from which the ¼ Section Corner common to said Sections 23 and 26 bears N84°37'33"W, 1,942.71 feet; thence leaving the said right-of-way boundary and along the centerline of Waterline Easement 1 N84°13'23"E, 5.54 feet to a point; thence N84°13'23"E, 132.92 feet to the true point of beginning; thence leaving the centerline of Waterline Easement 1 and along the centerline of this easement S5°46'37"E, 130.43 feet to a point; thence S84°13'23"W, 7.48 feet to a point; thence S4°01'28"E, 29.93 feet to a point; thence N84°13'23"E, 8.40 feet to a point, from which the ¼ Section Corner common to said Sections 23 and 26 bears N81°05'06"W, 2,113.61 feet.

Sheet No. 1 of 1

Drawn By: K. Loberg
4-28-2025

HALLIN & ASSOCIATES, PLLC
Professional Land Surveyors
1318 West Front Street
Livingston, Montana 59047
(406) 222-1303

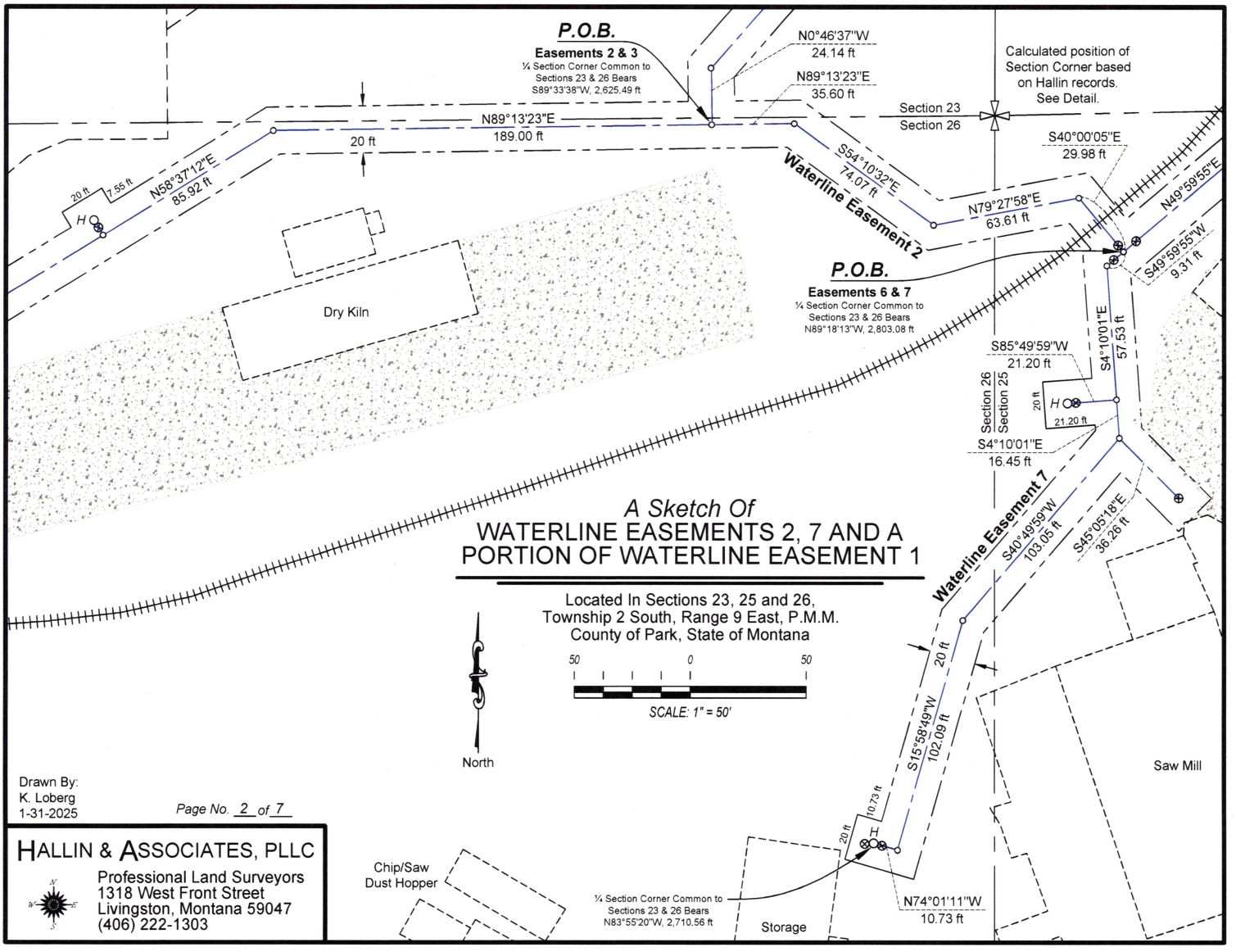
EXHIBIT
1



Page No. 1 of 7

Drawn By:
K. Loberg
4-28-2025

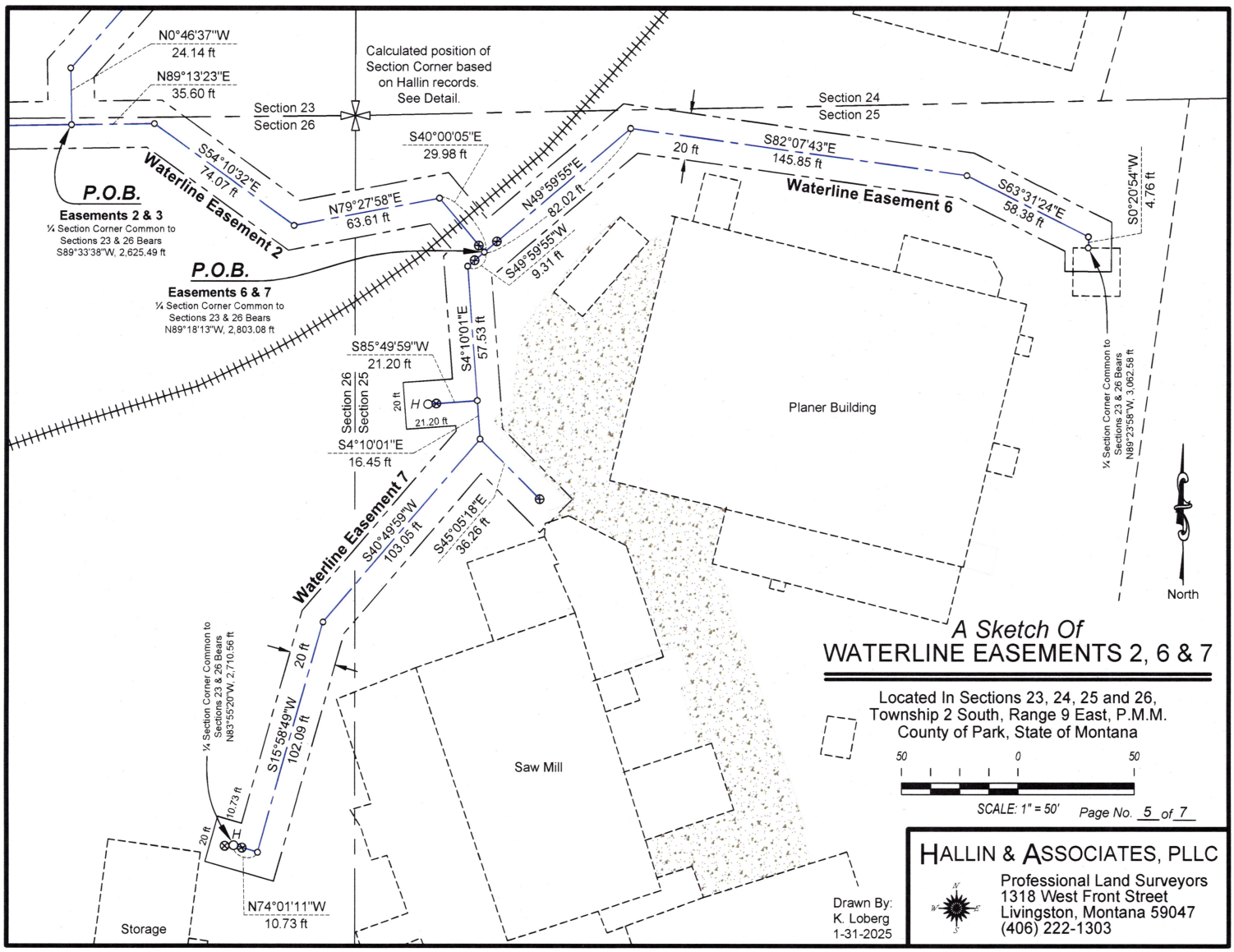
HALLIN & ASSOCIATES, PLLC
Professional Land Surveyors
1318 West Front Street
Livingston, Montana 59047
(406) 222-1303



Drawn By:
K. Loberg
1-31-2025

Page No. 2 of 7

HALLIN & ASSOCIATES, PLLC
Professional Land Surveyors
1318 West Front Street
Livingston, Montana 59047
(406) 222-1303


N0°46'37"W
24.14 ft
N89°13'23"E
35.60 ft
Section 23
Section 26
Calculated position of Section Corner based on Hallin records. See Detail.
S40°00'05"E
29.98 ft
Section 24
Section 25
P.O.B.
Easements 2 & 3
¼ Section Corner Common to Sections 23 & 26 Bears S89°33'38"W, 2,625.49 ft
S54°10'32"E
74.07 ft
Waterline Easement 2
N79°27'58"E
63.61 ft
P.O.B.
Easements 6 & 7
¼ Section Corner Common to Sections 23 & 26 Bears N89°18'13"W, 2,803.08 ft
N49°59'55"E
82.02 ft
S49°59'55"W
9.31 ft
20 ft
S82°07'43"E
145.85 ft
Waterline Easement 6
S63°31'24"E
58.38 ft
S0°20'54"W
4.76 ft
¼ Section Corner Common to Sections 23 & 26 Bears N89°23'58"W, 3,062.58 ft
S85°49'59"W
21.20 ft
S4°10'01"E
57.53 ft
Section 26
Section 25
20 ft
H
21.20 ft
S4°10'01"E
16.45 ft
Planer Building
Waterline Easement 7
S40°49'59"W
103.05 ft
S45°05'18"E
36.26 ft
North
¼ Section Corner Common to Sections 23 & 26 Bears N83°55'20"W, 2,710.56 ft
20 ft
S15°58'49"W
102.09 ft
10.73 ft
H
20 ft
N74°01'11"W
10.73 ft
Saw Mill
Storage
A Sketch Of
WATERLINE EASEMENTS 2, 6 & 7
Located In Sections 23, 24, 25 and 26,
Township 2 South, Range 9 East, P.M.M.
County of Park, State of Montana
50
0
50
SCALE: 1" = 50'
Page No. 5 of 7
Drawn By:
K. Loberg
1-31-2025
HALLIN & ASSOCIATES, PLLC
Professional Land Surveyors
1318 West Front Street
Livingston, Montana 59047
(406) 222-1303

Drawn By:
K. Loberg
1-31-2025

HALLIN & ASSOCIATES, PLLC
Professional Land Surveyors
1318 West Front Street
Livingston, Montana 59047
(406) 222-1303

Page No. 3 of 7

A Sketch Of
WATERLINE EASEMENTS 3 & 4

Located In Sections 23, 24 and 26,
Township 2 South, Range 9 East, P.M.M.
County of Park, State of Montana

50 0 50
SCALE: 1" = 50'

North

P.O.B.
Easement 4
¼ Section Corner Common to
Sections 23 & 26 Bears
S79°58'33"W, 2,489.89 ft

Proposed New Waterline

Centennial Drive

S52°45'09"E
19.32 ft

Waterline Easement 4

20 ft

S88°34'30"E
273.26 ft

N1°25'30"E
10.77 ft

10.77 ft

23.13 ft

H

S88°34'30"E
23.76 ft

P.O.B.
Easement 5
¼ Section Corner Common to
Sections 23 & 26 Bears
S81°28'32"W, 2,795.06 ft

20 ft

Section 23
Section 24

N0°18'20"W
324.27 ft

Waterline Easement 3

N0°18'20"W
7.08 ft

S.23 S.24
S.26 S.25

N88°08'09"E
122.04 ft

P.O.B.
Easements 2 & 3

N43°38'58"W
80.40 ft

P.O.B.
Easements 6 & 7

Detail
Scale: 1" = 50'

S89°41'40"W
22.15 ft

22.15 ft

7.08 ft

H

N89°41'40"E
107.22 ft

N41°26'27"E
50.84 ft

N0°46'37"W
24.14 ft

N89°13'23"E
35.60 ft

Calculated position of Section Corner based on Hallin records. See Detail.

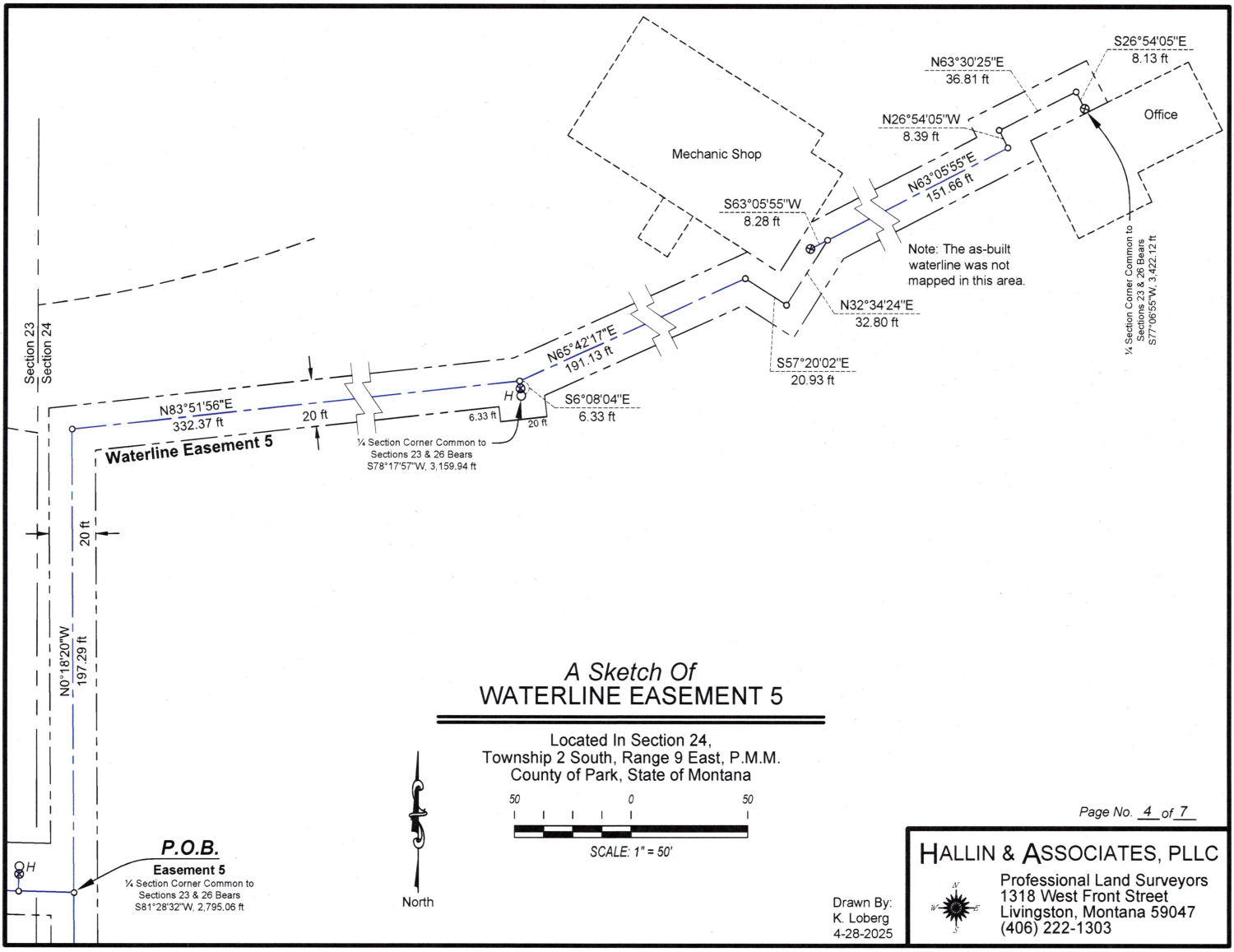
Section 23
Section 26

P.O.B.
Easements 2 & 3
¼ Section Corner Common to
Sections 23 & 26 Bears
S89°33'38"W, 2,625.49 ft

N89°13'23"E
189.00 ft

20 ft

Waterline Easement 1



A Sketch Of
WATERLINE EASEMENT 5

Located In Section 24,
Township 2 South, Range 9 East, P.M.M.
County of Park, State of Montana

Drawn By:
K. Loberg
4-28-2025

HALLIN & ASSOCIATES, PLLC
Professional Land Surveyors
1318 West Front Street
Livingston, Montana 59047
(406) 222-1303

DESCRIPTION - WATERLINE EASEMENT 1

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 23, 25 and 26, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of U.S. Highway 89 and Waterline Easements 2 and 3 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants, curb stops and building offsets, with the center line more particularly described as follows:

BEGINNING at a point on the easterly right-of-way boundary of U.S. Highway 89, from which the ¼ Section Corner common to said Sections 23 and 26 bears N84°37'33"W, 1,942.71 feet; thence leaving the said right-of-way boundary and along the centerline of this easement N84°13'23"E, 5.54 feet to a point; thence N84°13'23"E, 132.92 feet to a point; thence N84°13'23"E, 72.56 feet to a point; thence N58°37'12"E, 256.47 feet to a point; thence N58°37'12"E, 85.92 feet to a point; thence N89°13'23"E, 189.00 feet to the point of beginning of Waterline Easements 2 and 3 described herewith, from which the ¼ Section Corner common to said Sections 23 and 26 bears S89°33'38"W, 2,625.49 feet.

DESCRIPTION - WATERLINE EASEMENT 2

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 25 and 26, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 1, 3, 6 and 7 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants and curb stops, with the center line more particularly described as follows:

BEGINNING at the endpoint of Waterline Easement 1 described herewith, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears S89°33'38"W, 2,625.49 feet; thence along the centerline of this easement N89°13'23"E, 35.60 feet to a point; thence S54°10'32"E, 74.07 feet to a point; thence N79°27'58"E, 63.61 feet to a point; thence S40°00'05"E, 29.98 feet to the point of beginning of Waterline Easements 6 and 7 described herewith, from which the ¼ Section Corner common to said Sections 23 and 26 bears N89°18'13"W, 2,803.08 feet.

DESCRIPTION - WATERLINE EASEMENT 3

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 23, 24 and 25, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 1, 2, 4 and 5 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants and curb stops, with the center line more particularly described as follows:

BEGINNING at the endpoint of Waterline Easement 1 described herewith, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears S89°33'38"W, 2,625.49 feet; thence along the centerline of this easement N0°46'37"W, 24.14 feet to a point; thence N41°26'27"E, 50.84 feet to a point; thence N89°41'40"E, 107.22 feet to a point; thence N0°18'20"W, 7.08 feet to a point; thence N0°18'20"W, 324.27 feet to the point of beginning of Waterline Easement 5 and the endpoint of Waterline Easement 4, both described herewith, from which the ¼ Section Corner common to said Sections 23 and 26 bears S81°28'32"W, 2,795.06 feet.

DESCRIPTION - WATERLINE EASEMENT 4

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 23 and 24, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 3 and 5 described herewith and at the easterly boundary of Subdivision No. 104, also including the enlarged areas shown on the sketch herewith for fire hydrants and curb stops, with the center line more particularly described as follows:

BEGINNING at a point on the easterly boundary of Subdivision No. 104, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears S79°58'33"W, 2,489.89 feet; thence along the centerline of this easement S52°45'09"E, 19.32 feet to a point; thence S88°34'30"E, 273.26 feet to a point; thence S88°34'30"E, 23.76 feet to the point of beginning of Waterline Easement 5 and the endpoint of Waterline Easement 3, both described herewith, from which the ¼ Section Corner common to said Sections 23 and 26 bears S81°28'32"W, 2,795.06 feet.

Drawn By:
K. Loberg
3-11-2025

HALLIN & ASSOCIATES, PLLC
Professional Land Surveyors
1318 West Front Street
Livingston, Montana 59047
(406) 222-1303

DESCRIPTION - WATERLINE EASEMENT 5

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 23 and 24, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 3 and 4 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants, curb stops and building offsets, with the center line more particularly described as follows:

BEGINNING at the endpoint of Waterline Easements 3 and 4, both described herewith, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears S81°28'32"W, 2,795.06 feet; thence along the centerline of this easement N0°18'20"W, 197.29 feet to a point; thence N83°51'56"E, 332.37 feet to a point; thence N65°42'17"E, 191.13 feet to a point; thence S57°20'02"E, 20.93 feet to a point; thence N32°34'24"E, 32.80 feet to a point; thence N63°05'55"E, 151.66 feet to a point; thence N26°54'05"W, 8.39 feet to a point; thence N63°30'25"E, 36.81 feet to a point; thence S26°54'05"E, 8.13 feet to a point, from which the ¼ Section Corner common to said Sections 23 and 26 bears S77°06'55"W, 3,422.12 feet.

DESCRIPTION - WATERLINE EASEMENT 6

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 25 and 26, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 2 and 7 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants and curb stops, with the center line more particularly described as follows:

BEGINNING at the endpoint of Waterline Easement 2 described herewith, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears N89°18'13"W, 2,803.08 feet; thence along the centerline of this easement N49°59'55"E, 82.02 feet to a point; thence S82°07'43"E, 145.85 feet to a point; thence S63°31'24"E, 58.38 feet to a point; thence S0°20'54"W, 4.76 feet to a point, from which the ¼ Section Corner common to said Sections 23 and 26 bears N89°23'58"W, 3,062.58 feet.

DESCRIPTION - WATERLINE EASEMENT 7

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Sections 25 and 26, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 2 and 6 described herewith, also including the enlarged areas shown on the sketch herewith for fire hydrants and curb stops, with the center line more particularly described as follows:

BEGINNING at the endpoint of Waterline Easement 2 described herewith, from which the ¼ Section Corner common to Sections 23 and 26 of said township and range bears N89°18'13"W, 2,803.08 feet; thence along the centerline of this easement S49°59'55"W, 9.31 feet to a point; thence S4°10'01"E, 57.53 feet to a point; thence S4°10'01"E, 16.45 feet to a point; thence S40°49'59"W, 103.05 feet to a point; thence S15°58'49"W, 102.09 feet to a point; thence N74°01'11"W, 10.73 feet to a point, from which the ¼ Section Corner common to said Sections 23 and 26 bears N83°55'08"W, 2,710.56 feet.

DESCRIPTION - WATERLINE EASEMENT 8

A 20-foot wide right-of-way easement for a buried waterline and maintenance thereof, appurtenant to the City of Livingston, across the Sun Mountain Lumber, Inc. lands in Section 26, Township 2 South, Range 9 East, P.M.M., County of Park, State of Montana, lying 10 feet on each side of the centerline when measured at right angles, with its side lines being shortened or extended to terminate at the boundaries of Waterline Easements 2 and 6 described herewith, also including the enlarged areas shown on the sketch herewith for a well, curb stops and building offsets, with the center line more particularly described as follows:

BEGINNING at a point on the easterly right-of-way boundary of U.S. Highway 89, from which the ¼ Section Corner common to said Sections 23 and 26 bears N84°37'33"W, 1,942.71 feet; thence leaving the said right-of-way boundary and along the centerline of Waterline Easement 1 N84°13'23"E, 5.54 feet to a point; thence N84°13'23"E, 132.92 feet to the true point of beginning; thence leaving the centerline of Waterline Easement 1 and along the centerline of this easement S5°46'37"E, 130.43 feet to a point; thence S84°13'23"W, 7.48 feet to a point; thence S4°01'28"E, 29.93 feet to a point; thence N84°13'23"E, 8.40 feet to a point, from which the ¼ Section Corner common to said Sections 23 and 26 bears N81°05'06"W, 2,113.61 feet.

LEGEND

H O	*Fire Hydrant, Mapped This Survey*
⊗	*Curb Stop, Mapped This Survey*
Ⓦ	*Well, Mapped This Survey*
o	*Calculated Point*
	Calculated Section Corner Common To Four Sections
C.O.S.	*Certificate Of Survey No.*
S/D	*Subdivision No.*
P.O.B.	*Point of Beginning*

Drawn By:
K. Loberg
4-28-2025

HALLIN & ASSOCIATES, PLLC
Professional Land Surveyors
1318 West Front Street
Livingston, Montana 59047
(406) 222-1303

File Attachments for Item:

E. ORDINANCE 3063: AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, AMENDING SECTION 14-92 OF THE LIVINGSTON MUNICIPAL CODE ENTITLED "USER CHARGE BASIS" TO CLARIFY THE BILLING METHODS FOR RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL SEWER USERS.

LivingstonMontana.org | PublicComment@LivingstonMontana.org | 406.823.6000

DATE: September 16, 2025

TO: Chair Schwarz and City Commissioners

FROM: Grant Gager, City Manager

RE: Staff Report for Ordinance 3063

Recommendation and Summary

Staff recommends the Commission conduct the second reading of Ordinance No. 3063 amending Section 14-92 of the Livingston Municipal Code to adjust the seasonal billing periods for sewer charges. The Commission may do so using the following motion:

"I move to approve the second reading of Ordinance No. 3063 amending Section 14-92 of the Livingston Municipal Code and authorize the Chair to sign."

The reasons for the recommendation are as follows:

- The City has received requests to review the seasonal sewer calculation period.
- Shifting the period may more accurately reflect the seasonality of irrigation behavior.

Introduction and History

The City has long sought to ensure fairness and transparency in its utility billing practices. Sewer charges for residential customers are calculated based on water use during a designated Winter Billing period, intended to reflect indoor consumption rather than outdoor irrigation.

Recently the City has received requests to review the designated winter billing period to ensure that it aligns with actual irrigation behaviors. This issue was raised by residents in a City Commission meeting earlier this year and the City Manager committed to reviewing the need for an adjustment.

The City Commission conducted a first reading of Ordinance 3063 at its meeting on September 2, 2025

Analysis

The proposed change moves the Winter Billing period to November through April. This modification may align sewer billing with actual wastewater contributions by excluding October, a month where outdoor irrigation may remain typical.

Fiscal Impact

This amendment may modestly reduce sewer revenues for some customers who irrigate in October. However, certain customers may experience an increase based on their usage patterns. The overall fiscal impact is expected to be minimal and will not affect the financial stability of the wastewater utility.

Strategic Alignment

This action supports the long-term sustainability of utility services by ensuring billing practices reflect actual system demand.

Attachments

- Attachment A: Ordinance 3063

ORDINANCE NO. 3063

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF LIVINGSTON, MONTANA, AMENDING SECTION 14-92 OF THE LIVINGSTON MUNICIPAL CODE ENTITLED "USER CHARGE BASIS" TO CLARIFY THE BILLING METHODS FOR RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL SEWER USERS.

Preamble.

This ordinance is enacted to adjust the calculation of residential sewer charges within the City of Livingston from October through March to November through April. This amendment is intended to align sewer billing more closely with actual wastewater contributions, providing cost relief to residents while maintaining the financial stability of the wastewater utility.

WHEREAS, the current Winter Billing period includes the month of October, a time when many residents irrigate lawns and landscaping, resulting in higher water usage not reflective of sewer system demand; and

WHEREAS, shifting the Winter Billing period to November through April more accurately represents indoor water use, improves billing equity, and reduces undue financial burden on residents; and

WHEREAS, the City Commission finds that this adjustment supports fairness, transparency and the overall well-being of residents while ensuring the continued sustainability of the wastewater utility.

NOW, THEREFORE, BE IT ORDAINED by the City Commission of the City of Livingston, Montana, that Section 14-92 of the Livingston Municipal Code be hereby amended, with additions underlined and deletions struck through, as follows:

SECTION 1

Sec. 14-92. User charge basis.

Residential users will be billed for daily sewer contribution for each residential user by using the following methods of calculation:

Winter Billing: For the ~~October through March~~ November through April billing periods, each residential user will be billed using the water meter reading for each billing period.

Residential Average Use equals, the greater of:

A. The total gallons of water used during the Winter Billing period divided by the total number of days in those billing periods, or

B. 100 gallons per day.

Summer Billing: For the ~~April through September~~ May through October billing periods, each residential user will be billed the lesser of:

A. Residential Average Use, or

B. The water meeting reading for that billing period.

Commercial or Industrial users' flow will be determined by monthly water meter readings, by actual waste flow measurements or by a reasonable estimate of use set by the Public Works Director.

(Ord. 1908 § 2 (part), 5/6/02; Ord. No. 2088, § 1, 10/6/20)

SECTION 2

Statutory Interpretation and Repealer:

Any and all resolutions, ordinances and sections of the Livingston Municipal Code and parts thereof in conflict herewith are hereby repealed.

SECTION 3

Severability:

If any provision of this Ordinance or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect the other provisions of this ordinance which may be given effect without the invalid provision or application and, to this end, the provisions of this ordinance are declared to be severable.

SECTION 4

Savings Provision:

This ordinance does not affect the rights or duties that matured, penalties and assessments that were incurred or proceedings that begun before the effective dates of this ordinance.

SECTION 5

Effective date:

This ordinance will become effective 30 days after second and final adoption.

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PASSED by the City Commission of the City of Livingston, Montana, on first reading at a regular session thereof held on the 2nd day of September, 2025.

_____
QUENTIN SCHWARZ
City Commission Chair

ATTEST:

_____
Emily Hutchinson
City Clerk

****

PASSED, ADOPTED AND APPROVED, by the City Commission of the City of Livingston, Montana, on a second reading at a regular session thereof held on the 16th day of September, 2025.

ATTEST:

APPROVED TO AS FORM:

_____
JON HESSE
City Attorney

_____
EMILY HUTCHINSON
City Clerk

_____
QUENTIN SCHWARZ
City Commission Chair