Montana Department of Environmental Quality

February 9, 2026

FINDING OF NO SIGNIFICANT IMPACT

TO ALL INTERESTED GOVERNMENTAL AGENCIES AND PUBLIC GROUPS

As required by state and federal rules for determining whether an Environmental Impact Statement is necessary, an environmental review has been performed on the proposed action below:

Project	Missoula STEP System Decommissioning
Location	Missoula, Montana
Project Number	WPCSRF: C302300
Total Cost	$ 1,386,395

The City of Missoula (City) identified the need to replace two septic tank effluent pumping (STEP) systems with traditional gravity sewer mains. The STEP systems are facing critical deficiencies including degradation of tanks from hydrogen sulfide gas, obsolescence of pump and control parts, reliability during power outages, health and safety of works as septic tanks are confined spaces, and maintenance and labor costs due to aging systems. The proposed action would improve maintenance efficiency and overall reliability of the collection system. Both systems are in the southern portion of the city and serve the Lamoreux, Birdie, and Maloney Ranch subdivisions. Decommissioning both systems would involve removal of pump systems and adding new gravity-flow pipes into existing mains to the City's wastewater treatment facility. For the Lamoreux-Birdie system, 870 feet of new 8-inch PVC gravity line would be installed in the Lower Miller Creek Road. The Maloney Ranch STEP Decommissioning project would install 670 feet of new 8-inch PVC gravity sewer main in Bigfork Road.

Construction is expected to begin mid-June 2026 and is anticipated to take 9 weeks to complete

The proposed decommissioning of the Lamoreux and Birdie and the Maloney Ranch STEP systems, including administration, engineering, and construction, are estimated to cost approximately $1,386,395. The City proposes that the project be funded through a low interest loan (2.5%, 20-year term) obtained from the DEQ Water Pollution Control State Revolving Fund (WPCSRF) loan program.

Federal and State grant/loan programs will fund the project. Environmentally sensitive characteristics such as wetlands, floodplains, threatened or endangered species, and

historical sites are not expected to be adversely impacted because of the proposed project. Additional environmental impacts related to land use, water quality, air quality, public health, energy, noise, and growth were also assessed. Public participation during the planning process demonstrated support for the selected alternative. No significant long-term environmental impacts were identified.

An environmental assessment (EA), which describes the project and analyzes the impacts in more details, is available for public scrutiny on the DEQ web site (https://deq.mt.gov/public/water-public) and at the following locations:

Rebecca Ridenour, P.E.
Department of Environmental Quality
1520 East Sixth Avenue
P.O. Box 200901
Helena, MT 59620-0901
rridenour@mt.gov

City of Missoula
435 Ryman Street
Missoula, MT 59801

Comments on this Finding of No Significant Impact (FONSI) or on the Environmental Assessment (EA) may be submitted to the Department of Environmental Quality at the above address. Comments must be postmarked no later than 30 days after the publication date of this FONSI in the newspaper. After evaluating comments received, the department will revise the EA or determine if an environmental impact statement is necessary. If no substantive comments are received during the comment period, or if substantive comments are received and evaluated and the environmental impacts are still determined to be non-significant, this FONSI will stand. No administrative action will be taken on the project for at least 30 calendar days after the release of the FONSI.

Sincerely,

Mike Abrahamson

Mike Abrahamson, P.E.
WPCSRF Section Supervisor
Water Quality Division
Montana Department of Environmental Quality

CITY OF MISSOULA

STEP MAIN SYSTEM DECOMMISSION – LAMOREUX & BIRDIE and MALONEY RANCH SYSTEMS

ENVIRONMENTAL ASSESSMENT

I. COVER SHEET

A. Project Identification

Applicant: City of Missoula

Address: 1345 West Broadway
Missoula, MT 59802

Project Number: WPCSRF Project # C302300

B. Contact Person

Name: Andy Schultz, City Engineer for Utilities

Address: 1345 West Broadway
Missoula, MT 59802

Telephone: (406) 552-6766

C. Abstract

The City of Missoula (City) identified the need to replace two septic tank effluent pumping (STEP) systems with traditional gravity sewer mains. The STEP systems are facing critical deficiencies including degradation of tanks from hydrogen sulfide gas, obsolescence of pump and control parts, reliability during power outages, health and safety of works as septic tanks are confined spaces, and maintenance and labor costs due to aging systems. The proposed action would improve maintenance efficiency and overall reliability of the collection system. Both systems are in the southern portion of the city and serve the Lamoreux, Birdie, and Maloney Ranch subdivisions. Decommissioning both systems would involve removal of pump systems and adding new gravity-flow pipes into existing mains to the City's wastewater treatment facility. For the Lamoreux-Birdie system, 870 feet of new 8-inch PVC gravity line would be installed in the Lower Miller Creek Road. The Maloney Ranch STEP Decommissioning project would install 670 feet of new 8-inch PVC gravity sewer main in Bigfork Road.

Construction is expected to begin mid-June 2026 and is anticipated to take 9 weeks to complete

The proposed decommissioning of the Lamoreux and Birdie and the Maloney Ranch STEP systems, including administration, engineering, and construction, are estimated to cost approximately $1,386,395. The City proposes that the

project be funded through a low interest loan (2.5%, 20-year term) obtained from the DEQ Water Pollution Control State Revolving Fund (WPCSRF) loan program.

Environmentally sensitive characteristics such as wetlands, floodplains, threatened/endangered species, and historical sites are not expected to be adversely impacted because of the proposed project. Additional environmental impacts related to land use, water quality, air quality, public health, energy, noise, and growth, were also assessed. No significant long-term environmental impacts were identified.

Under Montana law, (75-6-112, MCA), no person may construct, extend, or use a public sewage system until the DEQ has reviewed and approved the plans and specifications for the project. Under the Montana Water Pollution Control State Revolving Fund Act, the DEQ may loan money to municipalities for construction of public sewage systems.

The DEQ Engineering Bureau has prepared this Environmental Assessment to satisfy the requirements of the Montana Environmental Policy Act (MEPA) and the National Environmental Policy Act (NEPA).

D. Comment Period

Thirty (30) calendar days

II. PURPOSE OF AND NEED FOR ACTION

The City has identified two STEP systems in its sewer collection network that require upgrades to improve maintenance access and improve reliability of the sewer mains servicing residential areas. The specific STEP systems are facing critical deficiencies including degradation of tanks from hydrogen sulfide gas, obsolescence of pump and control parts, reliability during power outages, health and safety of works as septic tanks are confined spaces, and maintenance and labor costs due to aging systems. Transitioning to gravity flow would save operation and maintenance expenses and alleviate the potential for sewage backups into people's homes.

III. ALTERNATIVES INCLUDING THE PROPOSED ACTION

A. Two alternatives were considered:

- Alternative 1: No Action
- Alternative 2: Decommission STEP systems and replace with gravity mains.

ALTERNATIVE 1: No Action - This alternative was deemed non-viable due to the lack of replacement parts, safety hazards associated with confined space entry, and continued hydrogen sulfide corrosion of the concrete tanks. Individually or collectively, these conditions are anticipated to eventually lead to system failure.

ALTERNATIVE 2: Decommission STEP systems and replace with gravity mains (Preferred). This alternative involves installing new gravity sewer mains and

manholes to connect with existing gravity mains and decommissioning and abandoning the existing septic tanks. To address the Lamoreux-Birdie system, 870 feet of new eight-inch PVC gravity sanitary sewer main and four sanitary manholes in Lower Miller Creek Road. For the Maloney Ranch system, 670 feet of new eight-inch PVC gravity sanitary sewer main and four or five sanitary sewer manholes in Bigfork Road. Both existing STEP systems would be decommissioned and abandoned by pumping out the tanks, closing valves, filling washed crushed aggregate, cutting and capping pipes, and plugging penetrations.

B. COST COMPARISON - PRESENT WORTH ANALYSIS

The estimated construction cost for Alternative 2 is $1,386,395. The City is proposing the project be funded completely through a low interest loan (2.5%, 20-year term) from the Water Pollution Control State Revolving Fund (WPCSRF) loan program. Through an October 2024 Resolution (8820), the City is increasing its wastewater rates by 9% annually in 2026 and 2027.

Based on 2019-2023 Community Assessment data (Montana Department of Commerce) the median household income for the City of Missoula is $5,444 per month. The City reported in its Unified Application that the increased projected average monthly residential rate would be $47.98. This rate is 0.88% of the monthly median household income and should not pose an economic hardship for most households.

IV. AFFECTED ENVIRONMENT

A. PLANNING AREA

The City of Missoula is in Missoula County and is generally located near the intersection of Highway 93 and Interstate 90 (See Figure 1). The service area boundary and the general location of the proposed improvements are shown in Figure 2. The Lamoreux-Birdie project area is shown in Figure 3. The Maloney Ranch project area is shown in Figure 4.

Construction is expected to begin mid-June 2026 and is anticipated to take 9 weeks to complete

B. POPULATION AND FLOW PROJECTIONS

The City of Missoula provides wastewater service to residents and businesses within the city limits and the Utility Service Area. The City has approximately 79,500 residents with approximately 26,000 residential connections.

The new 8-inch sewer mains would be installed at minimum grade with adequate hydraulic capacity to handle flow from the areas served by these sewer mains. The new segments would connect to existing 18” gravity flow main. The area to be served by the new 8-inch sewer main is completely built out.

For each STEP system, wastewater gravity flows from homes to septic tanks. Effluent from the septic tanks is pumped to the City of Missoula's wastewater treatment plant. The City of Missoula removes solids from the tanks to be further treated at its wastewater treatment facility. The following table describes specific details about each STEP system.

	Lamoreux and Birdie	Maloney Ranch
Year installed	1993	2003
Number and size of septic tanks to be removed	2 – 5,000 gallon tanks 2 – 8,500 gallon tanks	8 – 5,000 gallon tanks
Number of homes served	72 – Single family	120 – Single family
Peak hourly flow (estimated)	48 gallons per minute	79 gallons per minute
New 8"-PVC main to be installed in streets	870 feet in Lower Miller Creek Road	670 feet in Big Fork Road

C. NATURAL FEATURES

For the Lamoreux-Birdie project area, the topography is generally flat and slopes from southeast to northwest. The soil on site is classified as gravelly loam and silt clay loam. The project runs along the border of Zone AE of the Bitterroot River floodplain (FEMA FIRM 30063C1460E). The project area is approximately 2,200 feet south of the Bitterroot River. No work would occur in the floodplain.

The topography of the Maloney Ranch project area is generally flat and slopes from southeast to northwest. The soil on site is classified as silty clay loam. The project area is approximately 1,400 feet south of the nearest boundary of the Bitterroot River floodplain and is approximately 2,300 feet south of the Bitterroot River.

The sewer main work would not impact existing soil suitability or topography of the project areas. Most of the work for the projects would be completed in existing streets, and all topography would be restored to match initial conditions.

Both project areas overlie the Missoula Valley Aquifer, a sole source aquifer as designated by the US EPA. The Missoula Valley Aquifer is typically unconfined and is recharged by the Clark Fork River and precipitation and snowmelt. Wells adjacent to the Lamoreux-Birdie STEP project area have observed groundwater at depths of 9.5 to 72 feet. Wells adjacent to the Maloney Ranch STEP project area have observed groundwater at depths of 19 to 35 feet. The project will be constructed in the summer when groundwater levels are receding.

V. ENVIRONMENTAL IMPACTS OF PROPOSED PROJECT

A. DIRECT AND INDIRECT ENVIRONMENTAL IMPACTS

1. Housing and Commercial Development – The STEP systems are in fully developed residential areas and do not influence commercial or industrial

facilities. The proposed projects would have no impact on housing, commercial, or industrial facilities of the surrounding areas.

2. Utilities and Transportation – The area is served by the City of Missoula's public water supply and private companies offer solid waste pickup. The proposed projects would not have any long-term impact on public water distribution or solid waste removal. The contract will require that residents have advanced notice of any service disruptions and will be required to minimize the disruptions.

   On-street parking may be temporarily impacted during construction, but no long-term impacts are expected. The contract will require notice of on-street parking restrictions and would minimize disruptions.

   These projects would result in a short-term adverse impact on the traffic flow of the Miller Creek Neighborhood during construction. This impact would be managed by providing notification and temporary traffic control. These projects would not have long-term impacts on traffic flows.

3. Economic and Social Profile – If a local firm is awarded the contract, the proposed project could benefit the local economy by providing work for local construction contractors and laborers during construction. The proposed projects would be eliminating maintenance issues and would help City wastewater personnel prioritize their time and efforts to other areas. No long-term impacts are anticipated from this project on the economic and social profile of the construction areas or City.

   The proposed projects are not expected to have an impact on the existing social profile. The project would not create inequities.

4. Land Use (including Prime Farmland) –The NRCS Soil Survey identifies the soils as farmland and of local importance. However, the two identified STEP systems are located within previously disturbed urbanized areas, and the project would not impact current land use or potential farmland.

5. Floodplains and Wetlands – The proposed projects would be located outside any 100-yr floodplain and are not within any identified wetland areas. Temporary BMPs would be required during construction and installed on the project sites for sediment and erosion control. The projects would require DEQ-approved Stormwater Pollution Prevention Plans (SWPPP) and authorizations before construction begins.

6. Cultural Resources – Impacts to historic or cultural resources are not anticipated since the improvements would be completed within previously disturbed areas.

7. Fish and Wildlife (including endangered species) – Fish and animal life would not be significantly affected by the proposed project. The project would occur within previously disturbed urban areas so no critical wildlife habitats, nor known endangered species, will be affected. Temporal surface impacts are

expected during construction. Impacts would be minimized to the extent possible by best management practices during construction.

8. Water Quality – The Bitterroot River is approximately 2,000 feet north of the project areas and flows north to its confluence with the Clark Fork River. The current STEP systems collect wastewater in concrete tanks and discharges effluent via gravity and pressurized mains to lift stations and ultimately to the City of Missoula's Wastewater Treatment Plant. Wastewater will continue to be treated at the City's wastewater facility, which discharges to the Clark Fork River. No impacts are expected to occur to surface water from the projects.

   Stormwater conveyance ditches exist near both existing STEP systems. The proposed projects would require DEQ-approved Storm Water Pollution Prevention Plans (SWPPP) to mitigate impacts on surface water quality. Temporary impacts to surface water are possible during construction but would be mitigated to the extent possible by requiring the contractor to institute best management practices to eliminate sediment runoff from the construction areas. Any storm water ditches impacted during construction would be required to be immediately restored by the contractor. If groundwater is encountered during sewer line installation, a DEQ authorization to discharge may be required and would be obtained by the contractor.

9. Air Quality – Neither of the projects would be expected to have longer term impacts to air quality. Short-term negative impacts on air quality could be expected to occur during construction from heavy equipment in the form of dust and exhaust fumes. Dust could be an issue during dry and gusty weather and would be mitigated with a water truck wetting the disturbed area multiple times a day. Contractors would be required to minimize and manage all temporary impacts on air quality due to construction activities.

10. Public Health – Public health would not be negatively affected by the proposed project. The proposed improvements from decommissioning the STEP systems will provide reliable wastewater flow from homes and safer conditions for long-term operation and maintenance. Removal of the systems would offer protection against a sanitary sewer overflow risk currently posed by the STEP systems.

11. Energy – Removal of the pumps at each project location would eliminate the need for pumping wastewater and could decrease the City's energy consumption. Per the City of Missoula, the Lamoreux STEP system uses an average of 539 kilowatt-hours of energy per month, and the Maloney Ranch STEP system uses an average of 693 kilowatt-hours of energy per month. In recent years, some months have exceeded 1,200 kilowatt-hours of energy usage.

    The consumption of energy resources directly associated with construction of the recommended improvements is unavoidable but would be a short-term commitment.

12. Noise – While the current STEP systems produce minimal noise, noise would be eliminated with pump removal. Short-term impacts would be expected during the construction period due to machinery on site and trucks hauling materials. To reduce the impacts of the construction noise, construction activities would be limited to 7:00 AM to 7:00 PM, Monday through Friday. Any work outside these hours would need to be approved by the City Project Manager and/or the City Council.

13. Sludge Disposal – The City of Missoula would pump the solids from the septic tanks prior to abandonment and dispose of the solids at its wastewater treatment facility. No impacts are expected from the sludge disposal.

14. Sole Source Aquifer - Groundwater within the Missoula Basin is an important resource, supplying approximately 75% of non-agricultural water used by residents. The aquifer is typically unconfined and is recharged principally by the Clark Fork River. The potable drinking water system operated by the City relies on groundwater obtained from the Missoula Valley Aquifer. This groundwater supply receives no treatment prior to distribution (except chlorination) and meets all drinking water standards. No negative impacts to groundwater quality would result from the project.

15. Wild and Scenic Rivers Act – The proposed project would not impact any rivers designated as wild and scenic by Congress or the Secretary of the Interior.

16. Growth –The proposed construction areas are in fully developed residential areas. No impacts would be expected to the demographics of the current surrounding area from the projects.

17. Cumulative Effects – The proposed improvements to the existing wastewater collection system would not have cumulative effects to the community or local area as the mains are serving existing residences.

B. UNAVOIDABLE ADVERSE IMPACTS

Both proposed construction projects are expected to create temporary short-term construction-related impacts (i.e., noise, dust, traffic disruption, etc.). The short-term impacts would be minimized through proper construction management. Energy consumption during construction cannot be avoided. Impacts from detours and road closures would be minimized and mitigated by communicating to affected residents, limiting work hours to 7:00 AM to 7:00 PM, and by enforcing City noise ordinances. The contractor would be required to submit traffic control plans to the City and would provide notice to residents and drivers for any major detours and closures. The proposed infrastructure itself would not create any long-term impacts.

VI. PUBLIC PARTICIPATION

The City of Missoula presented the 2019 Wastewater Facility Plan at its public works council meeting on November 2, 2020, and a public city council meeting on November 4, 2020. The facility plan included a list of proposed wastewater projects, including decommissioning STEP systems. The wastewater facility plan was formally adopted by resolution on April 12, 2021. Notices of meetings were posted in City Hall, the City's website, and newspaper, which are the standard methods the City uses to post notices. No comments from the public were noted.

STEP Decommissioning projects were presented during the Fiscal Year 2026 Public Works and Mobility public budget presentation on June 25, 2025. The budget presentation and recording are available online for the public to view and provide comment. The City Council approved this budget, and it was formally adopted by resolution on August 18th, 2025 (Resolution 8881).

VII. AGENCY ACTION, APPLICABLE REGULATIONS AND PERMITTING AUTHORITIES

All proposed improvements will be designed to meet state standards in accordance with Design Standards for Public Sewage Systems (Circular DEQ-2) and will be constructed using standard construction methods. Best management practices will be implemented to minimize or eliminate pollutants from leaving the construction site. No additional permits will be required from the State Revolving Fund (SRF) section of the DEQ for this project after review and approval of the submitted plans and specifications. However, coverage under the storm water general discharge permit is required from the DEQ Water Protection Bureau prior to the beginning of construction.

VIII. RECOMMENDATION FOR FURTHER ENVIRONMENTAL ANALYSIS

[ ] EIS [ ] More Detailed EA [X] No Further Analysis

Rationale for Recommendation: Through this Environmental Assessment, DEQ has verified that none of the adverse impacts of the proposed City of Missoula STEP system decommissioning project are significant. Therefore, an environmental impact statement is not required. The environmental review was conducted in accordance with the Administrative Rules of Montana (ARM) 17.4.607, 17.4.608, 17.4.609, and 17.4.610. The Environmental Assessment is the appropriate level of analysis because none of the adverse effects of the impacts are significant.

VIII. REFERENCE DOCUMENTS

The following documents have been utilized in the environmental review of this project and are part of the project file:

1. Uniform Application and Environmental Checklist; City of Missoula, 2025.
2. Additional Information For 2026 STEP Decommissioning Projects, City of Missoula, 2026
3. Technical Memorandum STEP/STEG System Decommissioning
4. City of Missoula 2018 Water System Master Plan; HDR, 2018
5. City of Missoula: Wastewater Facility Plan; Morrison-Maierle, 2019.

6. Wastewater System Preliminary Engineering Report; Morrison-Maierle, June 2022.

IX. AGENCIES CONSULTED

The City of Missoula issued letters to federal and state agencies describing the scope of the proposed STEP System Decommissioning project. Letters were emailed on 12/8/25 and physically mailed on 12/23/25 to the following agencies:

1. Montana Department of Fish, Wildlife and Parks (FWP) – no response was received. The City's Unified Application Environmental Checklist submitted to DEQ stated that the existing STEP systems are in grass or gravel areas adjacent to roadways in developed residential areas. They would not create wildlife habitats.

2. Montana Department of Natural Resources (DNRC) – no response received. The City's Unified Application Environmental Checklist submitted to DEQ stated that the existing STEP systems are within one mile of the Bitterroot River floodplain boundary and neither system is within the floodplain.

3. Montana Historical Society's State Historic Preservation Office (SHPO) determined that, according to their records, a few previously recorded sites exist within the designated search locals. None of the sites are located within the proposed project areas. One previously conducted cultural resource inventory has been completed in the area. Based on previous ground disturbance within the proposed project area we feel that there will be no cultural or historic properties affected by this undertaking. A cultural resources inventory is not warranted at this time, and requested contact should cultural materials be inadvertently discovered during project work.

4. U.S. Fish and Wildlife Service (USFWS) – no response was received. The City's Unified Application Environmental Checklist submitted to DEQ stated that they consulted the U.S. Fish & Wildlife Service's Information for Planning and Consultation (IPaC) and did not identify any endangered species or critical habitats adjacent to the Lamoreux-Birdie or Maloney Ranch project area. No unique or endangered species are expected to be encountered during the projects.

5. U.S. Department of the Army Corps of Engineers (USCOE) reviewed the proposed project. The USCOE is responsible for administering Section 404 of the Clean Water Act, which regulates the excavation or placement of dredged or fill material below the ordinary high-water mark of our nation's rivers, streams, lakes or in wetlands. The USCOE stated that a Department of the Army permit needs to be obtained if the proposed activities will result in a discharge of material to waters of the U.S.

EA Prepared by:

Rebecca Ridenour

Rebecca Ridenour, P.E.

Feb. 9, 2026

Date

EA Reviewed by:

Mike Abrahamson

Mike Abrahamson, P.E.

Feb. 10, 2026

Date

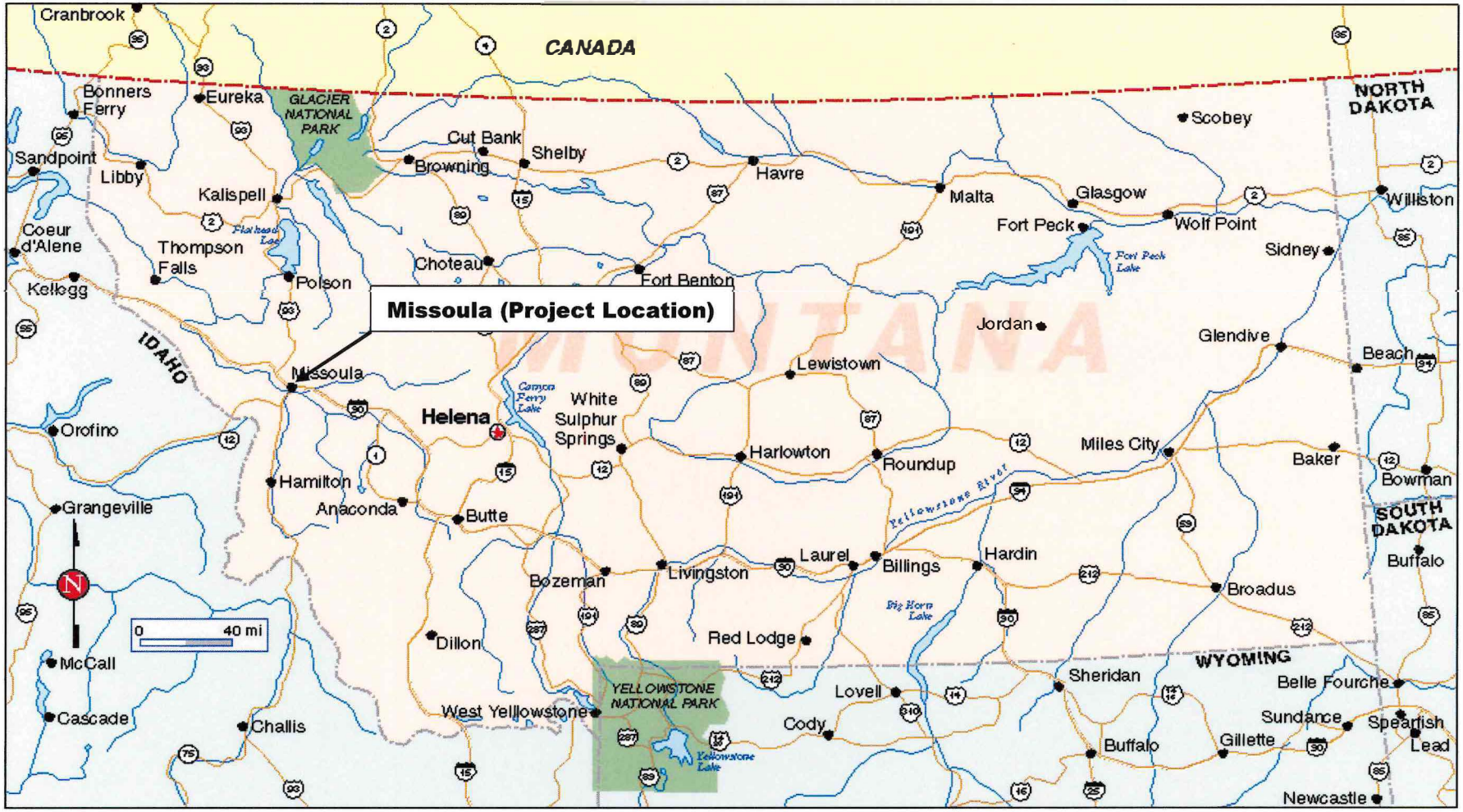


FIGURE 1
PROJECT LOCATION MAP

RESERVE ST. LS
(NOT CONNECTED TO STEP SYSTEM)

FORT MISSOULA LS
(NOT CONNECTED TO STEP SYSTEM)

STEP_MAIN_LOAD_6
Holy Family Church 20 GPM
494.6 GPM

STEP_MAIN_LOAD_3
407 GPM

STEP_MAIN_LOAD_5
63 GPM

STEP_MAIN_LOAD_7
69.3 GPM

STEP_MAIN_LOAD_10
63 GPM

STEP_MAIN_LOAD_1
16.8 GPM

STEP_MAIN_LOAD_11
Walmart 40 GPM

STEP_MAIN_LOAD_2
411.6 GPM

STEP_MAIN_LOAD_12
75.6 GPM

C65-T46
31.5 GPM

STEP_MAIN_LOAD_4
84 GPM

P71-1-3
346.5 GPM

STEP_MAIN_LOAD_9
Cold Springs School Pump 40 GPM
77.8 GPM

LINDA VISTA GOLF COURSE LS
(NOT CONNECTED TO STEP SYSTEM)

Maloney Ranch
STEP System

STEP_MAIN_LOAD_14
Maloney Ranch LS 30 GPM

STEP_MAIN_LOAD_13
Lamoreaux LS and
Birdie CT LS 50 GPM

Lamoreux-Birdie
STEP System

STEP_MAIN_LOAD_15
235.2 GPM

STEP_MAIN_LOAD_16
Linda Vista LS 75 GPM

STEP_MAIN_LOAD_17
DJ CT LS 20 GPM

STEP_MAIN_LOAD_14
STEG 71 GPM

LOWER MILLER CREEK LS
(NOT CONNECTED TO STEP SYSTEM)

Figure 2: STEP
Location Map

Figure 5-1
Southern STEP System & Loads

Morrison Maierle
engineers • surveyors • planners • scientists

MORRISON-MAIERLE INC
1 Engineering Place
Helena, Montana 59602
P: 406.442.3050
www.m-m.net

0 0.1 0.2 0.4 0.6 0.8 Miles

Map Date: 5/9/2019

N

Legend

- 2017 Active Wastewater Account Area
- Parcels

Modeled System

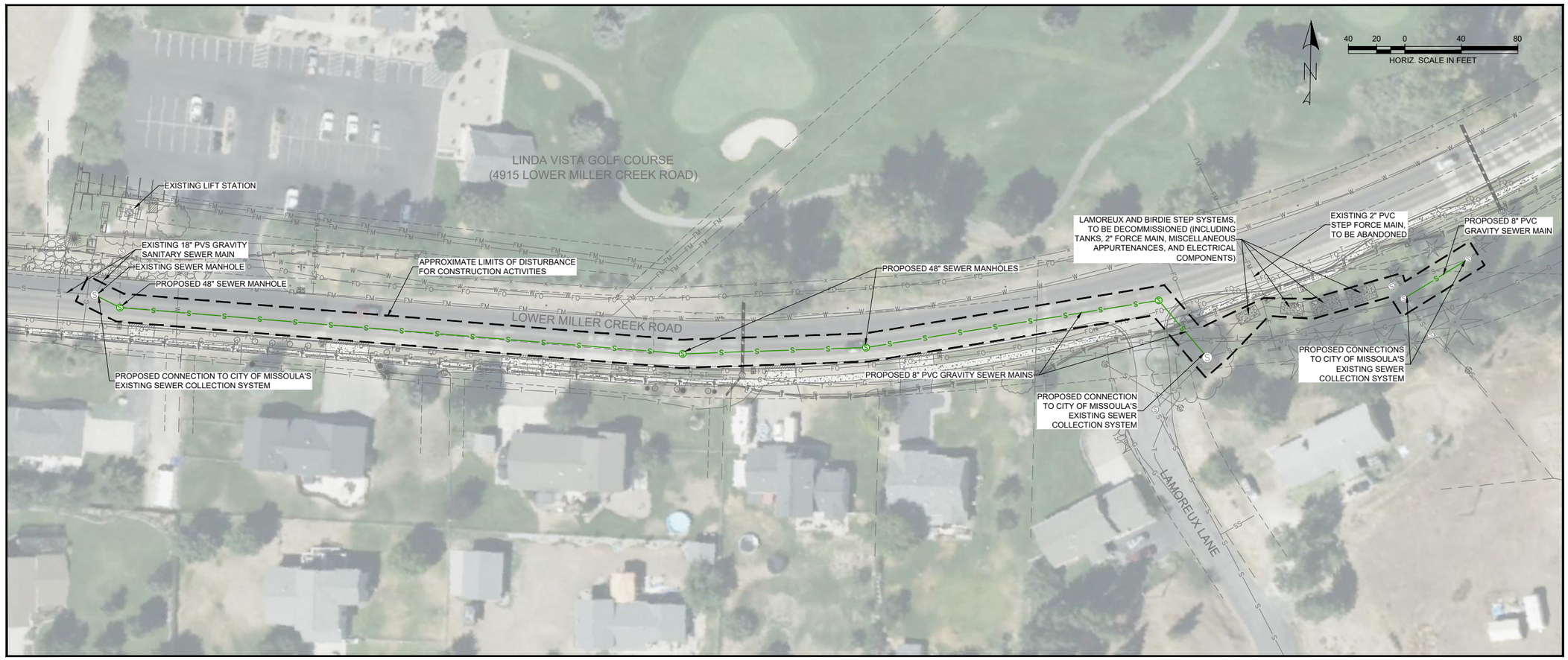
- Gravity Main
- Force Main
- STEP Main

Gravity System

- Gravity Main
- Septic Tank Effluent

Pressurized System

- Force Main
- STEP Main
- Lift Station
- STEP Community Tanks
- STEP Tank



PROPOSED PROJECT NOTES:

1. THE LAMOREUX AND BIRDIE PUMP STATIONS ARE OWNED AND OPERATED BY THE CITY OF MISSOULA AND ARE LOCATED ADJACENT TO THE INTERSECTION OF LAMOREUX LANE AND LOWER MILLER CREEK ROAD. THE EXISTING SYSTEM CONSISTS OF FOUR SEPTIC TANKS, BURIED PVC PIPING, AND VARIOUS ELECTRICAL COMPONENTS.
2. PROPOSED 8" PVC GRAVITY SEWER MAINS AND MANHOLES WILL BE INSTALLED NEAR THE LAMOREUX AND BIRDIE SYSTEMS TO INTERCEPT THE EXISTING FLOWS. THE GRAVITY MAINS WILL RUN TO THE WEST IN LOWER MILLER CREEK ROAD AND WILL CONNECT TO AN EXISTING MANHOLE. THIS WASTEWATER ULTIMATELY FLOWS TO THE CITY OF MISSOULA'S WASTEWATER TREATMENT PLANT AT 1100 CLARK FORK LANE, MISSOULA, MT 59808.
3. THE EXISTING LAMOREUX AND BIRDIE RANCH STEP SYSTEMS WILL BE DECOMMISSIONED BY PUMPING/CLEANING THE TANKS, REMOVING EXISTING PUMPS AND ELECTRICAL COMPONENTS, PLUGGING ALL PIPING, AND FILLING THE TANKS WITH WASHED CRUSHED AGGREGATE.

CONSTRUCTION NOTES:

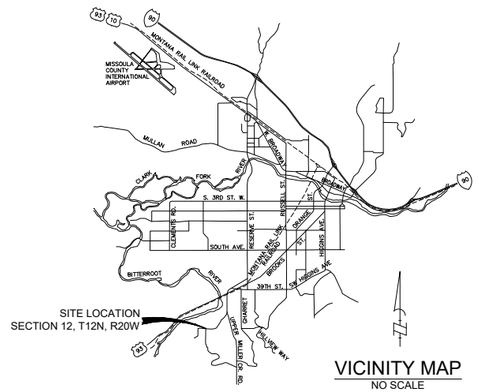
1. ALL PROJECT WORK WILL OCCUR IN CITY OF MISSOULA RIGHT-OF-WAY AND/OR EXISTING PUBLIC UTILITY EASEMENTS.
2. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO INITIAL OR BETTER CONDITIONS PER CITY OF MISSOULA STANDARDS.
3. ALL CONSTRUCTION WILL BE IN ACCORDANCE WITH MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS (MPWSS, 7TH EDITION, APRIL 2021), MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY CIRCULAR 2, AND THE MISSOULA CITY PUBLIC WORKS STANDARDS AND SPECIFICATIONS (MCPWSS, JANUARY 2024).
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO APPLY FOR A CITY OF MISSOULA EXCAVATION PERMIT AND MUST HAVE AN APPROVED TRAFFIC CONTROL PLAN AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

EXISTING

W	WATER MAIN
WS	WATER SERVICE
S	SANITARY SEWER MAIN
SFM	SANITARY FORCE MAIN
SGM	SEPTIC TANK EFFLUENT GRAVITY MAIN
SS	SANITARY SEWER SERVICE
OH	OVERHEAD UTILITY
E	ELECTRIC LINE
G	GAS LINE
T	TELEPHONE LINE
TV	TELEVISION LINE
FO	FIBER OPTIC LINE
x	FENCE LINE
	RIGHT-OF-WAY
	SEPTIC TANK
S	SANITARY SEWER MANHOLE

PROPOSED

S	SANITARY SEWER MAIN
S	SANITARY SEWER MANHOLE
	CAP



VICINITY MAP
NO SCALE

Public Works & Mobility Department
MISSOULA

REVISIONS:

NO.	DESCRIPTION	DATE

DESIGNED: ACL
DRAFTED: ACL
CHECKED: AJS
PLOTTED: 12/30/2025

LAMOREUX STEP DECOMMISSIONING

PROPOSED PROJECT EXHIBIT

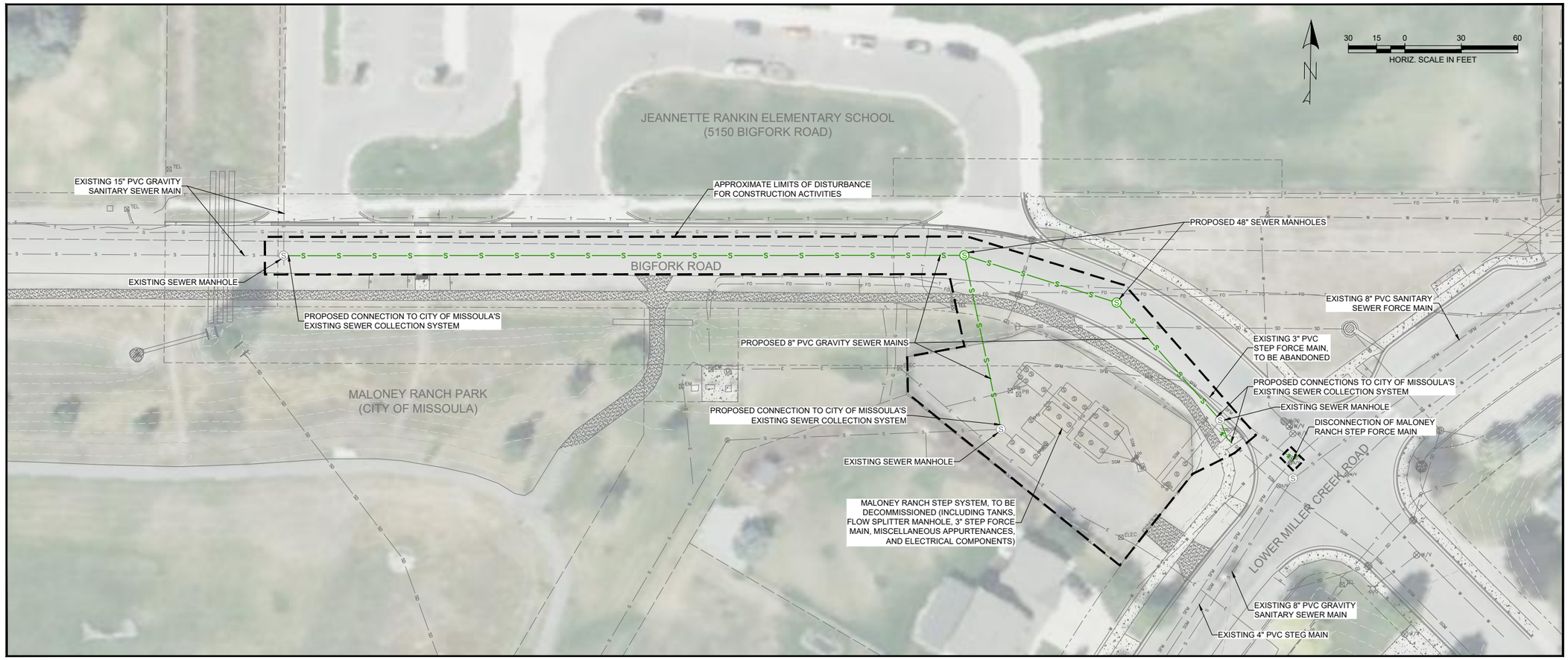
MDEQ: ##########

2025-MSS-PWI-00020

EXHIBIT

1 OF 1

12/30/2025 4:12 PM Z:\Public Works\Utilities\Projects\000 projects by year\2025\2025-MSS-PWI-00020 Lamoreux STEP Decommissioning\Design\CAD\Working\Sheets\C-STEP-EXHIB.dwg



PROPOSED PROJECT NOTES:

1. THE MALONEY RANCH PUMP STATION IS OWNED AND OPERATED BY THE CITY OF MISSOULA AND IS LOCATED AT THE INTERSECTION OF BIGFORK ROAD AND LOWER MILLER CREEK ROAD. THE EXISTING SYSTEM CONSISTS OF EIGHT 5000 GALLON SEPTIC TANKS, BURIED PVC PIPING, CLEAN OUTS, FLOW SPLITTER MANHOLE, AND VARIOUS ELECTRICAL COMPONENTS.
2. PROPOSED 8" PVC GRAVITY SEWER MAINS AND MANHOLES WILL BE INSTALLED NEAR THE MALONEY RANCH STEP SYSTEM TO INTERCEPT THE EXISTING FLOWS. THE GRAVITY MAINS WILL RUN TO THE WEST IN BIGFORK ROAD AND WILL CONNECT TO AN EXISTING MANHOLE. THIS WASTEWATER ULTIMATELY FLOWS TO THE CITY OF MISSOULA'S WASTEWATER TREATMENT PLANT AT 1100 CLARK FORK LANE, MISSOULA, MT 59808.
3. THE EXISTING MALONEY RANCH STEP SYSTEM WILL BE DECOMMISSIONED BY PUMPING/CLEANING THE TANKS, REMOVING EXISTING PUMPS AND ELECTRICAL COMPONENTS, PLUGGING ALL PIPING, AND FILLING THE TANKS WITH WASHED CRUSHED AGGREGATE AND/OR FLOWABLE FILL.
4. THE EXISTING 3" SEPTIC TANK EFFLUENT FORCE MAIN WILL BE DISCONNECTED FROM THE EXISTING 8" SANITARY FORCE MAIN IN LOWER MILLER CREEK ROAD.

CONSTRUCTION NOTES:

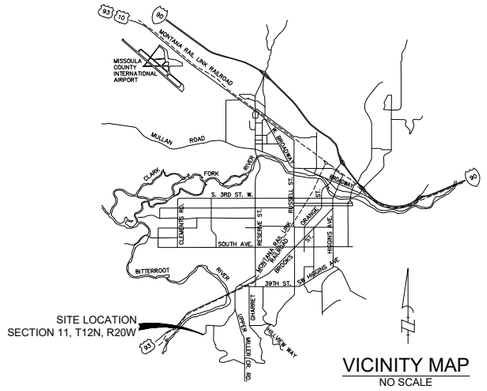
1. ALL PROJECT WORK WILL OCCUR IN CITY OF MISSOULA RIGHT-OF-WAY AND/OR EXISTING PUBLIC UTILITY EASEMENTS.
2. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO INITIAL OR BETTER CONDITIONS PER CITY OF MISSOULA STANDARDS.
3. ALL CONSTRUCTION WILL BE IN ACCORDANCE WITH MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS (MPWSS, 7TH EDITION, APRIL 2021), MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY CIRCULAR 2, AND THE MISSOULA CITY PUBLIC WORKS STANDARDS AND SPECIFICATIONS (MCPWSS, JANUARY 2024).
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO APPLY FOR A CITY OF MISSOULA EXCAVATION PERMIT AND MUST HAVE AN APPROVED TRAFFIC CONTROL PLAN AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

EXISTING

W	WATER MAIN
WS	WATER SERVICE
S	SANITARY SEWER MAIN
SFM	SANITARY FORCE MAIN
SGM	SEPTIC TANK EFFLUENT GRAVITY MAIN
SS	SANITARY SEWER SERVICE
OH	OVERHEAD UTILITY
E	ELECTRIC LINE
G	GAS LINE
T	TELEPHONE LINE
TV	TELEVISION LINE
FO	FIBER OPTIC LINE
x	FENCE LINE
	RIGHT-OF-WAY
	SEPTIC TANK
Ⓢ	SANITARY SEWER MANHOLE

PROPOSED

S	SANITARY SEWER MAIN
Ⓢ	SANITARY SEWER MANHOLE
⌋	CAP



VICINITY MAP
NO SCALE

REVISIONS:

NO.	DESCRIPTION	DATE

DESIGNED: ACL
DRAFTED: ACL
CHECKED: AEM/AJS
PLOTTED: 12/30/2025

MALONEY RANCH STEP DECOMMISSIONING

PROPOSED PROJECT EXHIBIT

MDEQ: ##########

2025-MSS-PWI-000XX

EXHIBIT

1 OF 1

12/30/2025 4:30 PM Z:\Public Works\Utilities\Projects\000 projects by year\2025\2025-MSS-PWI-000XX Maloney Ranch STEP Decommissioning\Sheets\C-STEP-EXHIB.dwg