

Missoula County Public Works Department

Water and Wastewater Regulations

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Approved: 8/4/2026

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Preamble

These Water and Wastewater Regulations are adopted and published to establish clear, consistent, and enforceable standards governing the provision and use of public water and wastewater services under the Missoula County Board of Commissioners. While the articles that follow contain the binding requirements of this Regulation, this preamble serves as a statement of purpose and guiding principles underlying its adoption and dissemination.

The Missoula County Public Works Department affirms that access to the rules governing essential public services is fundamental to the protection of public health, safety, and welfare. These Regulations are therefore made available to:

- Promote public education and the protection of public health and safety
- Ensure fairness, accountability, and equal justice in the administration of public services
- Support a well-informed citizenry capable of understanding its rights and responsibilities
- Uphold the rule of law through transparent and accessible standards
- Contribute to the advancement of sound infrastructure practices and the broader public good

In publishing this document, the County recognizes the principle that all people have the right to know and understand the laws, regulations, and standards that govern them. Transparency in regulatory standards is essential to maintaining public trust, fostering compliance, and ensuring the effective stewardship of shared water and wastewater systems.

These Regulations are intended not only to define minimum requirements, but also to reflect generally accepted standards of practice in Missoula County water and wastewater systems. They should be applied in a manner that protects the integrity of public systems, supports sustainable development, and promotes the long-term reliability of essential services.

Nothing in this preamble shall be construed as creating enforceable provisions; rather, it expresses the intent, values, and public purpose that guide the interpretation and application of the Regulations that follow.

Article 1. General Provisions

- 1-1 Coverage: These Service Regulations govern the supplying by the District and taking by customers of water or sewer service. They are subject to revision from time to time upon approval by the Commissioners and supersede all regulations by whatever term designated which may heretofore have governed the supplying and taking of water or sewer service.
- 1-2 Purpose: These service regulations are intended to define good practice, which can normally be expected but are not intended to exclude other accepted standards and practices not covered herein. These regulations are intended to ensure adequate service to the public and protect the District from unreasonable demands.
- 1-3 Information Available to the Public: There shall be made available to the public at the principal office of the District, whose address is 6089 Training Dr., Missoula, MT 59808, copies of these service regulations, and any applicable rate schedules, forms of agreement for water and sewer service and service standards of the District.
- 1-4 Standards: All work shall conform to the latest adopted editions of Montana Department of Environmental Quality (DEQ) Circulars, Montana Public Works Standard Specifications (MPWSS) as modified by Missoula County, and Missoula County Public Works Department, Public Works Manual.
- 1-5 Waiver: The Missoula County Board of Commissioners, usually upon recommendation of the District, may grant reasonable variances from these regulations when it is satisfied that the strict enforcement of such regulations will result in undue hardship and is not essential to public health, safety and welfare.
- 1-6 Public Meetings: Meetings of The Board of County Commissioners will be open to the public except when closed under MCA 2-3-203 for specific purposes.

Article 2. Definitions

- 2-1 Applicant – Any individual, partnership, association, public or private firm, corporation, or governmental agency.
- 2-2 ASTM – American Society for Testing Materials.
- 2-3 Biochemical Oxygen Demand (BOD) – The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure during a five (5) day period at 20°C, expressed in milligrams per liter.
- 2-4 Building Drain – The lowest horizontal piping of a drainage system that receives discharge from the soil, waste, and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning five (5) feet outside the inner face of the building wall.
- 2-5 Building Sewer – A gravity flow pipeline connecting a building's wastewater collection system to a lateral or branch sewer. Also called a House Connection or Service Connection.
- 2-6 Combined Sewer – A sewer intended to receive both wastewater and storm or surface water.
- 2-7 Commissioners – The Missoula County Board of Commissioners.
- 2-8 Composite Sample – A representative flow-proportioned or time-proportioned sample collected within a 24-hour period, consisting of a minimum of six (6) individual samples collected at equally spaced intervals and combined according to flow or time.
- 2-9 Cooling Water – Water to which the only pollutant added is heat.
- 2-10 Customer – Any individual, partnership, association, public or private firm, public or private corporation, or governmental agency receiving water and/or wastewater service from the District.
- 2-11 Customer's Installation – All service pipe, curb box, meter box or pit, inside piping, appliances, and apparatus on the Customer's side of the Point of Delivery and/or Point of Egress, except for the District's corporation stop, meter, and other equipment owned by the District as applicable.
- 2-12 District – RSIDs, SIDs, TIFIDs, Water and Sewer District, or any other system engaged in the business of supplying water or wastewater services to Customers operated by Missoula County Public Works.

- 2-13 Domestic Wastes – Liquid wastes from the non-commercial preparation, cooking, and handling of food, or liquid wastes containing human excrement and similar matter from sanitary facilities in dwellings, commercial buildings, industrial facilities, and institutions.
- 2-14 Easement – A legal property right that allows one party to use another party's property for a specific purpose, without transferring ownership of the property itself.
- 2-15 EPA – Environmental Protection Agency.
- 2-16 Excess User Charge – A rate system used to charge significant industrial users whose wastewater strength exceeds average wastewater characteristics.
- 2-17 Floatable Oil – Oil, fat, or grease in a physical state that allows separation by gravity in an approved pretreatment facility. Wastewater is considered free of floatable fat if it is properly pretreated and does not interfere with the collection system.
- 2-18 Garbage – Animal and vegetable waste resulting from the handling, preparation, cooking, and serving of food.
- 2-19 Grab Sample – A one-time sample taken from a waste stream on a one-time basis without regard to flow or time.
- 2-20 Grease Interceptor – is a plumbing appurtenance installed in a sanitary sewer service to intercept non-petroleum fats, oils, and greases from wastewater prior to entering the District's sewer system.
- 2-21 Incompatible Pollutant – Any waste product that cannot be adequately treated by the District's wastewater utility, including without limitation, non-biodegradable dissolved solids.
- 2-22 Industrial User – Any user that discharges wastewater other than Domestic Wastes from industrial or commercial processes.
- 2-23 Industrial Waste – Waste from any commercial or industrial processes, trade, or business, distinct from Domestic Wastes.
- 2-24 Industrial Wastewater Discharge Permit – A permit issued to an Industrial User by the Montana DEQ, in accordance with the terms of this Regulation.
- 2-25 Manager – The Maintenance Supervisor of the District.
- 2-26 May – signified permissiveness and discretion (see "Shall" in definitions).

- 2-27 Meter(s) – The complete installation, including auxiliary devices and equipment, if any, used to measure water supplied to a Customer.
- 2-28 MDEQ – Montana Department of Environmental Quality
- 2-29 MPWSS – Montana Public Works Standard Specifications
- 2-30 National Pollutant Discharge Elimination System (NPDES) – A permit issued under the National Pollution Discharge Elimination System for the discharge of wastewater to navigable waters of the United States under the Clean Water Act and any amendments to the Act by the Montana DEQ.
- 2-31 Natural Outlet – Any outlet, including storm sewers and combined sewer overflows, into a watercourse, pond, ditch, lake, or other body of surface or groundwater.
- 2-32 Person – Any individual, firm, company, association, society, corporation, or group.
- 2-33 pH – The common logarithm of the reciprocal of the hydrogen-ion concentration. The concentration is the weight of hydrogen-ions, in grams per liter of solution. Neutral water has a pH of 7 (hydrogen-ion concentration 10^{-7}).
- 2-34 Point of Delivery (Water) – The point at which the District's facilities physically connect to the Customer's Installation, typically the outlet of the corporation stop on the water main.
- 2-35 Point of Egress (Sewer) – The point at which the District's sewer facilities physically connect to the Customer's Installation, typically the exterior diameter of the sewer pipe.
- 2-36 Pollutant – Any dredged material, solids, incinerator residue, garbage, sewage, sludge, biological or chemical waste, biological nutrient, radioactive material, toxic substances, heat, malodorous substance, wrecked or discharged equipment, rock, sand, slurry, untreatable waste, or industrial, commercial, domestic, or agricultural waste discharged into or with water.
- 2-37 POTW – Publicly Owned Treatment Works.
- 2-38 Pretreatment – The reduction or elimination of pollutants in wastewater before discharge to a POTW by physical, chemical, biological processes to control the amount of pollutants discharged.
- 2-39 Properly Shredded Garbage – Food-related wastes shredded so all particles can be carried freely under normal flow conditions, with no particle larger than 1/4-inch in any dimension.
- 2-40 Public Works – Missoula County Public Works.

- 2-41 Public Sewer – A common sewer controlled by a governmental agency or public utility.
- 2-42 Regulations – A set of detailed requirements, standards, or procedures created by a secondary or delegated authority (Missoula County Board of Commissioners) that are binding and enforceable within their jurisdiction.
- 2-43 Replacement – Expenditures for obtaining and installing equipment, accessories, and appurtenances necessary to maintain system capacity and performance during its useful life (20-year planning period). Replacement funds may be maintained in a dedicated account, reserve or sinking fund, or other system based on sound accounting and management practices.
- 2-44 Residential Dwelling Unit – Any room or combination of rooms, including trailers and mobile homes, with cooking facilities and designed for occupancy by one family.
- 2-45 RSID – Rural Special Improvement District, is a legal entity that allows residents outside incorporated cities to fund public improvements through special assessments on properties within the District.
- 2-46 Sanitary Sewer – A sewer that carries liquid and water-carried wastes from residences, commercial buildings, industries, and institutions, with only minor unintentional inflow.
- 2-47 SCADA – Supervisory Control and Data Acquisition.
- 2-48 Sewage – The spent water of a community (preferred term: Wastewater).
- 2-49 Shall – Is mandatory (see “May” in definitions).
- 2-50 SID – Special Improvement District, is established to facilitate the construction and maintenance of public improvements, with costs shared among property owners within the District.
- 2-51 Significant Violation – A violation of the Code or an industrial wastewater discharge permit that exists for at least 45 days after notification of such non-compliance or that is a part of a pattern of non-compliance over a 12-month period; or that involves failure to report an accidental discharge.
- 2-52 Slug – Any discharge with concentration or flow exceeding five (5) times the average 24-hour concentration or flow for longer than fifteen (15) minutes, adversely affecting the collection system or Wastewater Facilities.
- 2-53 TIFID – Tax Increment Financing Industrial District, is a designated area where local government can use tax revenue for development and infrastructure projects.

- 2-54 Total Suspended Solids (TSS) – The total suspended matter (mg/L) removable by filtration in accordance with EPA standard methods.
- 2-55 Unpolluted Water – Water meeting or exceeding current effluent criteria, not violating receiving water standards, and not requiring treatment by Wastewater Facilities.
- 2-56 Wastewater – The spent water of a community. Liquid and water-carried wastes from residences, commercial buildings, industries, and institutions, including groundwater, surface water, and stormwater that may be present.
- 2-57 Wastewater Facilities – An arrangement of structures and devices used to treat wastewater, industrial wastes, and sludge. Also known as Wastewater Treatment Plants, Waste Treatment Plants, or Water Pollution Control Plants.
- 2-58 Water Service, Service – The supplying of or availability, at the Point of Delivery, including water delivered or used.
- 2-59 WEF – Water Environment Federation
- 2-60 Wye – A branching pipe fitting allowing a service line to join a collection main at a 45-degree angle, entering downstream at about 60 degrees.

Article 3. Service Conditions

3-1 Supplying of Service

- A. Service will be supplied only under and pursuant to these service regulations, and any modifications or additions thereto made, and under such applicable rates, schedules and contracts as may from time to time be established.
- B. Services will be supplied under the applicable rates only at points of delivery which are adequate and suitable as to pipe size, water supply, and pressure, for the service.
- C. When extending the District's lines or installing additional facilities such as line extensions, additional pumping, reservoir, storage, lift stations, wet wells, pretreatment systems, or other facilities is necessary to provide service to a Customer or group of Customers, the District may require a special service agreement.

3-2 Irrigation

- A. The Commissioners may specify the hours and days during which irrigation will be permitted.
 - (1) The irrigation regulations now in effect are as follows:
 - 1) These regulations are in effect year-round.
 - 2) Residences with ODD NUMBERED addresses may sprinkle on ODD DAYS ONLY.
 - 3) Residences with EVEN NUMBERED addresses may sprinkle on EVEN DAYS ONLY.
 - 4) Manual sprinkling shall occur between the hours of:
 - a) 6:00 a.m. to 12:00 p.m. (Noon)
 - b) 6:00 p.m. to 12:00 a.m. (Midnight)
 - 5) Automatic sprinkling shall occur between the hours of:
 - a) 12:00 a.m. (Midnight) to 6:00 a.m.
 - b) And may do so on a daily basis if needed.
 - (2) When the agents of the District discovers any customer violating the hours or days for irrigating, he/she shall deliver to such customer a copy of the water restriction notice and shall advise the customer that he/she is in violation of the

rules. If this customer is again found in violation he/she will be notified by certified mail or hand-delivered citation that one or more violation will result in a fine and/or discontinuance of service for continued violation.

- (3) These regulations are designed in the public interest for the public benefit and will be enforced to insure adequate water service for everyone. Water may be shut off and/or a fine of up to \$50.00 per day for violation may be assessed. Use of hose or pipe without standard nozzle or sprinkler attachments is prohibited. Requests for exceptions for new lawns, automatic sprinkling systems, reseeding, etc. should be made in advance with the Commissioners or the District. Requests for variances and exceptions are temporary and need to be renewed annually. These requests should be put in writing and mailed or delivered to the address on the letterhead.
- (4) The District reserves the right to further restrict and/or suspend irrigation for water conservation efforts.

3-3 District Responsibility

- A. The District is responsible only to the Customer for supplying water and/or sewer service, regardless of ownership of the premises served. The District is not responsible for inconvenience, damage, or injury resulting to persons or property resulting from a lawful discontinuance of service in accordance with item 3-7 of this Article.
- B. See Article 7 for additional detail on District Responsibilities.

3-4 Kinds of Service Available

- A. The water pressure and capacity of District's facilities may vary in different areas. As protection against the installation of unsuitable fixtures and equipment, customers are advised to ascertain from the District the type of service available at their point of delivery.
- B. The type of service available under different rates and schedules may vary, so the customer should consult the District prior to purchasing and installing equipment to ascertain the type of service available.
- C. The sewer capacity of the District's facilities varies by location. Customers should consult the District to determine the type of service available at their Point of Egress.
- D. Sewer service types may differ under various rates or schedules, and Customers should verify availability before purchasing or installing equipment.

- E. Contact the Office of Missoula County Clerk & Treasurer for questions related to service rates and schedules.

3-5 Uses of Service

- A. Service shall be used only for the purposes specified in the applicable service agreement, contract, applicable rates, or schedules. Customers shall not, re-meter, share, sell, or allow others to use their service unless explicitly authorized by the governing rates, schedules, or contracts under which the service is supplied.
- B. Hoses used for sprinkling gardens, lawns, sidewalks, streets, or for washing of vehicles, shall be limited to not more than three-quarters inch inside diameter and to nozzle sizes no larger than three-eighths inch in diameter. In no case will use of a hose without a nozzle be permitted.
- C. In case of fire or an alarm of fire and while the fire pressure is on the pipes, the use of water for fountains, yard sprinklers, and all other places where a constant flow of water is maintained, is prohibited.

3-6 Seasonal Construction, Short-Term, or Temporary Service

- A. Contractors, builders, or property owners must obtain District permission before using water and/or sewer service for construction or temporary purposes at locations not currently served. Customers shall not allow such parties to use their service without the required District authorization.

3-7 Discontinuance and Refusal of Service by District

- A. The District may refuse serve or discontinue service to any Customer or prospective Customer, including any member of the same household or firm, when such application may expose the District to abuse, fraud, or theft.
 - (1) Without Notice:
 - 1) In the event of any condition determined by the District to be hazardous.
 - 2) In the event of customer use of equipment in such a manner as to adversely effect the District's equipment or the Districts service to others.
 - 3) In the event of any unauthorized use or diversion of service or any evidence of tampering or interference of District equipment or the proper functioning thereof is found.
 - (2) Upon 24-Hours Notice:

- 1) For violations of and/or noncompliance with any applicable Federal, State, Municipal or other local laws, regulations and codes, including rules established by the Commissioners.
 - (3) Upon 10-Days Written Notice:
 - 1) Unreasonable waste of water, as determined by the District, is prohibited. Customers must keep their fixtures and service pipes in good working order at their own expense, and all waterways closed when not in use. Leaky fixtures must be repaired at once without waiting for notice from the District, and if not repaired after 10 day's written notice is given, the water may be shut off.
- B. Restoration of Service
- (1) When service is discontinued under these provisions, the District is not required to restore service until all issues are resolved and all outstanding charges are paid. The District may require payment of all costs associated with discontinuing and reestablishing service.

Article 4. Line Extensions

4-1 General Requirements for all water and wastewater line extensions

- A. In non-platted areas, commercial areas, or new developments, the cost of line extensions shall be borne by the Customer.
- B. The following items are applicable to the Lolo Water and Wastewater systems and other similarly formed RSIDs that Public Works may operate in the future:
 - (1) A Petition for Inclusion into the District must be submitted and preliminarily approved prior to any plan, specification, or product data review by the District.
 - (2) A formal agreement regarding quality of materials, workmanship, inspection, acceptance, and warranty requirements may be required by the District.
 - (3) Easements, a minimum of 20-feet wide, must be provided by the developer for all pipe, valves, hydrants, lift stations, pump houses, or other facility to be transferred to the District upon completion.
- C. Customers and Contractors must properly implement backflow prevention complying with all requirements of the Administrative Rules of Montana (ARM), the Uniform Plumbing Code, and Montana Department of Environmental Quality including but not limited to proper selection, installation, testing, and maintenance of a backflow preventer assembly.
- D. No connections may be made to the system until:
 - (1) all required testing is completed.
 - (2) all defects are corrected.
 - (3) Passing bacteriological tests (bac-t) are reported to the District for all water mains.
 - (4) the District grants written authorization to connect.
- E. All appurtenances (hydrants, blow-offs, curb boxes, main valve boxes, manholes, cleanouts, lift stations, etc.) shall:
 - (1) be installed at proper finish grade
 - (2) be provided with adequate clearance for access, operation, and maintenance
 - (3) maintain a minimum 7-foot radius clearance from buildings, concrete structures, and abrupt grade changes.
 - (4) must be adequately protected from vehicular hazards.

F. Pipe markers and locating requirements:

(1) Pipe markings:

- 1) All pipe shall be clearly marked on the outside showing manufacturer's name, pipe size, ASTM Standard, strength class or thickness and type.

(2) Underground warning tape:

- 1) Shall be placed centered above the pipe alignment and buried no more than 18" below grade.
- 2) Potable water shall be blue with black letters and read "CAUTION BURIED WATER LINE BELOW".
- 3) Sanitary sewer shall be green with black letters and read "CAUTION BURIED SEWER LINE BELOW".

(3) Tracer wire is required for non-metallic pipes.

- 1) Tracer wire shall be designed for underground service.
- 2) Attached to pipe at a maximum of 10-foot intervals with tape or tie-wraps.
- 3) Coil a minimum of 7-feet or enough wire at each valve box to extend wire a foot above grade.
- 4) 1,000 feet maximum spacing between valve boxes.
- 5) Use continuous strand of wire between valve box where possible.
 - a) Continuous length shall not be shorter than 100 feet.
 - b) Schedule 80 PVC conduit is required for road boxes.

G. Asbestos-cement (transite) and lead pipe is prohibited for all new construction.

H. All DEQ regulations of the State and County shall be complied with regarding prior approval of plans, specifications, permits for installation, disinfection, and testing.

- (1) Plans and specifications shall be submitted to Public Works prior to submission to DEQ review.
- (2) Violations of these requirements may result in work stoppages and/or District sanctions related to line use and service connections.

I. The Owner, Developer, Customer responsible for the main extension must provide record documentation for all pipes, valves, fittings, and any other equipment that will become property of the District upon acceptance.

- (1) See Article 7 Records for required documentation.

4-2 Water Line Extensions

- A. Upon completion and acceptance, all mains, valves, hydrants, and related appurtenances, excluding service lines, shall become property of the District.
- B. Water main extensions for new developments shall include:
 - (1) Installation of a corporation stop with clamps, reference Paragraph 10-8.
 - (2) Installation of service pipe to curb boxes placed at the edge of road easement.
 - 1) Must be marked with a tee post painted blue.
 - (3) A flushing device at each terminal end.
 - 1) These devices must be protected from vehicular hazards.
 - (4) Booster pump station, if applicable, shall:
 - 1) Be reviewed and approved by the District, other requirements may apply based on specific installation.
 - 2) Site fencing with a person gate, vehicle access gate, be 6-foot tall, three strand barbed wire top, lockable gates, and electrical grounding where applicable.
 - 3) The structure shall be lockable, heated as required, and have interior and exterior lighting.
 - 4) Have a minimum of two pumps installed and piped for service.
 - 5) Each pump shall have a check valve, inlet isolation, outlet isolation, a dismantling joint, inlet pressure gauge, outlet pressure gauge, drain valve, motor temperature switch, protection(s) in place to prevent pump cavitation, a local disconnect, backup or redundant power supply, adequate access for pump removal through door or hatch, a lifting device when required by the District, and adequate space for maintenance activities
 - 6) Automatic alternation between pumps on a time and failure basis.
 - 7) Include all control and power wiring, hardware, components, alarms, and enclosures in alignment with Missoula County SCADA Master Plan for telemetry connection to the Missoula County SCADA system.
 - a) Upon written District approval, provisions for telemetry may not be required and an auto dialer system must be provided and approved by the District.

(5) Pressure control valves, if applicable, shall:

- 1) Be reviewed and approved by the District, other requirements may apply based on specific installation.
- 2) Have bypass piping and isolation valves installed.
- 3) The structure shall be lockable, heated if required, have interior and exterior lighting, have a sump to relieve water, and adequate vehicle access for operation and maintenance.
- 4) Include an inline strainer, inlet pressure gauge, outlet pressure gauge, 316 stainless steel pilot tubing, drain valve, dismantling joint, and lifting access for maintenance as required by the District.

(6) Water storage tank, if applicable shall:

- 1) Be reviewed and approved by the District, other requirements may apply based on specific installation.
- 2) Site fencing with a person gate, vehicle access gate, be 6-foot tall, three strand barbed wire top, lockable gates, and electrical grounding where applicable.
- 3) Have lockable ladder access, two access openings, screened vent, inlet isolation valve, outlet isolation valve, overflow piping with check valve and erosion protection, redundant level elements, and adequate maintenance space around the perimeter of the tank.
- 4) Include all control and power wiring, hardware, components, alarms, and enclosures in alignment with Missoula County SCADA Master Plan for telemetry connection to the Missoula County SCADA system.
 - a) Upon written District approval, provisions for telemetry may not be required and an auto dialer system must be provided and approved by the District.

(7) All other appurtenances required for a complete and functional system that is acceptable to the District.

(8) Shall be looped to provide two points of connection to the existing system, unless otherwise accepted by the District in writing.

C. Approved Materials:

(1) General Approval

- 1) Only materials approved for use by the District shall be installed.

- 2) All wetted-materials must be NSF-61 certified.

(2) Minimum Size

- 1) Water mains shall be a minimum of eight (8) inches nominal diameter, unless a smaller size is specifically requested and approved by the District.
- 2) Dependent on development size and/or other future developments beyond the line extension in question a larger main nominal diameter may be required.

(3) Water main pipe shall be one of the following approved materials:

1) Ductile Iron Pipe (DIP)

- a) Ductile iron pipe conforming to applicable AWWA standards, with interior lining and exterior coating appropriate for corrosion protection based on site conditions.
- b) Minimum pressure class of ANSI/AWWA C151/A21.51.
- c) Mechanical and push-on joints shall be in accordance with AWWA C-111.
 - i) Joint restraints shall be:
 - a. EBAA Iron, Inc., Megalug®.
 - b. Star Pipe Products, Stargrip®.
 - c. Or approved equal.
- d) Nuts and Bolts shall conform with ASME B1.1.
 - i) Material shall be stainless steel or wax tape coated.
 - ii) Bolt ends shall project 1/4 to 1/2-inches beyond nuts.
- e) At a minimum the pipe coating shall be manufacturer's standard bituminous coating with a minimum dry film thickness of 1 mil.
- f) Pipe, valves, fittings, valve boxes, curb boxes, and all other metal components shall be polyethylene encased per ANSI/AWWA C105/A21.5.
- g) Site specific conditions may require cathodic protection.
 - i) Acceptable cathodic protection must be proposed by the Customer and approved by the District.

2) Polyvinyl Chloride (PVC) Pipe

- a) PVC pressure pipe conforming to the following requirements:

- i) AWWA C900.
- ii) Minimum Pressure Class 150 (DR 18).
- iii) Cast/Ductile Iron Outside Diameter (CIOD).
- iv) Nominal 8-inch size with an outside diameter of 9.05 inches.
- b) Joints shall be push-on joints (gasketed bell and spigot) in accordance with ASTM D3139.
 - i) Where AWWA C900 PVC pipe will connect to fittings with mechanical joints provide adapters and restraints as necessary, required, or both for such connections.
- c) Mechanical and push-on joints shall be in accordance with AWWA C-111.
 - i) Joint restraints shall be:
 - a. EBAA Iron, Inc., Megalug®.
 - b. Star Pipe Products, Stargrip®.
 - c. Or approved equal.
- d) Nuts and Bolts shall conform with ASME B1.1.
 - i) Material shall be stainless steel or wax tape coated.
 - ii) Bolt ends shall project 1/4 to 1/2-inches beyond nuts.
- e) Fittings shall be ductile iron, molded PVC fittings are only acceptable with written District approval.
 - i) Ductile iron fittings shall be polyethylene encased and sealed.

D. System Sizing Criteria

- (1) Mains and service lines shall be sized, whenever practicable, to meet the Recommended Standards for Water Works rather than the minimum allowable requirements (see Paragraph 1-4).

E. Testing

- (1) The water system, including all service lines, hydrants, and blow offs shall be pressure tested using Montana Public Works Standard Specification Section 02660 3.4 HYDROSTATIC AND LEAKAGE TESTING under the direction of the engineer and supervision of a representative of the District.

F. Service Lines, corporation stops, curb stops, and curb boxes

- (1) See Article 10 for service line requirements.

G. Fire Hydrants

- (1) Specifications, clearances, fire flow requirements, etc., shall be approved by the Missoula Rural Fire Department prior to receiving District approval.
 - 1) A 5-inch Storz connection must be provided unless otherwise directed by Missoula Rural Fire Department.
- (2) Sufficient clearance for proper operation and maintenance must be provided.
- (3) A fifteen-foot radius minimum clearance from building, concrete structures, and sudden grade changes shall be maintained.

H. Valves

- (1) Main line valves shall be gate valves unless otherwise approved in writing by the District.
 - 1) Comply with AWWA C509 or C515.
 - 2) Stem and nut shall be bronze.
 - 3) Body shall be ductile iron.
 - 4) Valve shall have a non-rising stem with a 2-inch square operating nut.
 - 5) Fusion bonded epoxy coating interior and exterior, except on stainless steel and bearing surfaces.

4-3 Sewer Line Extensions

- A. Upon completion, all mains, manholes, and related appurtenances shall be awarded to the District.
- B. Sewer extensions for new developments shall include:
 - (1) Installation of service saddle clamps and/or wyes at applicable lot lines.
 - (2) Installation of service pipe to the edge of the road easement.
 - 1) Must be marked by a tee post painted green.
 - (3) Manholes as required and approved by DEQ and the District.
 - (4) Lift stations, if applicable, shall:
 - 1) Be reviewed and approved by the District, other requirements may apply based on specific installation.

- 2) Site fencing with a person gate, vehicle access gate, be 6-foot tall, three strand barbed wire top, lockable gates, and electrical grounding where applicable.
- 3) The structure shall be lockable, heated as required, and have interior and exterior lighting.
- 4) Have a minimum of two pumps installed and piped for service.
- 5) Each pump shall have a check valve, outlet isolation, a dismantling joint, outlet pressure gauge, common flow meter, motor temperature switch, a local disconnect, backup or redundant power supply, adequate access for pump removal through door or hatch, guide rails for submersible installations, a lifting device when required by the District, and adequate space for maintenance activities
- 6) Wet wells shall have interior coating per Paragraph 4-3, redundant level elements one submerged sensor and one non-contact sensor, and sloping of invert to pump inlet.
- 7) Automatic alternation between pumps on a time and failure basis.
- 8) Include all control and power wiring, hardware, components, alarms, and enclosures in alignment with Missoula County SCADA Master Plan for telemetry connection to the Missoula County SCADA system.
 - a) Upon written District approval, provisions for telemetry may not be required and an auto dialer system must be provided and approved by the District.
- (5) Pretreatment, if applicable, shall comply with requirements in Article 8.
- (6) All other appurtenances required for a complete and functional system that is acceptable to the District.

C. Approved Materials:

- (1) Cast iron and ductile iron sewer pipe:
 - 1) Cast iron pipe shall be no less than ANSI A21.6, 21/45, thickness class 22, except where otherwise specified or shown on the drawings.
 - 2) Ductile iron pipe shall be ANSI A21.51, ASTM A536, grade 60-40-10, thickness class 52, except where otherwise specified or shown on drawings.
 - a) Pipe, fittings, and all other metal components shall be polyethylene encased per AWWA/ANSI C105/A21.5.
 - 3) Fittings shall be no less than ANSI A21.10.

- a) Joints shall be mechanical or push-on, ANSI A21.11.
- b) Pressure rated for 350 psi.
- 4) Pipe lining shall have a cement lining ANSI A21.4.
- 5) Pipes shall be coated with the manufacturer's standard bituminous coating.
- 6) Nuts and Bolts:
 - a) Tee-head bolts for mechanical joints per AWWA/ANSI C111/A21.11.
 - b) Wax tape coating per AWWA C217.
 - c) Head and thread dimensions per ASME B1.1.
 - d) Project ends of bolts 1/4 to 1/2-inches beyond nuts.

(2) Polyvinyl chloride sewer pipe (PVC):

- 1) Pipe and fittings shall be ASTM D3034 PVC, rigid, unplasticized, having a cell classification of 12454-B (type 1, grade 1) per ASTM D1784.
- 2) Minimum thickness shall be SDR 35.
- 3) Minimum pipe length of 13 feet.
- 4) Fittings shall be elastomeric joints per ASTM D3034.

D. System Sizing Criteria:

- (1) Sewer mains including all municipal, commercial, and industrial services shall be a minimum of 8-inches in diameter.
- (2) Reference Paragraph 10-12 for new service connection requirements.

E. Testing

- (1) All wyes and service connections must be installed prior to testing each reach of sewer line.
- (2) Complete all manhole, gravity pipe, and force main pipe in accordance with Montana Public Works Standard Specifications Section 02730.

F. Service Lines

- (1) The above regulations apply to all service lines except that solvent-welded fittings are acceptable where appropriate.
- (2) Service main sizing, see Paragraph 10-12.

G. Manholes

- (1) Shall be precast concrete manholes meeting, unless otherwise approved by the District.
- (2) Be designed for the applicable Live Loading as determined by the engineer of record.
- (3) Precast concrete sections
 - 1) Shall comply with ASTM C478.
 - 2) Shall be joined by one of the following methods:
 - a) Rubber gaskets for manhole sections in accordance with ASTM C443 and ASTM C1619
 - b) Cold-applied asphalt joint compound
 - c) Preformed flexible joint sealing compound
 - 3) All joints shall be wrapped on the exterior with Cretex Wrap or approved equal.
 - a) Wrap shall be a minimum of 9-inches wide.
 - b) Must meet or exceed ASTM C-877 (Type II).
- (4) Manhole rungs shall comply with District Standard Specifications and Details.
- (5) Frames and covers shall comply with District Standard Specifications and Details.
- (6) Rubber boots for connecting piping to concrete manholes
 - 1) Shall be watertight and of appropriate size for the manhole opening and outside diameter of the pipe.
 - 2) Rubber boot shall be EPDM or natural rubber.
 - a) In locations with known oils, fats, or frequent loading such as a busy roadway the District may require Nitrile boots.
 - 3) Comply with ASTM C923
 - 4) All bands and hardware shall be Type 316 stainless steel.
- (7) Grade rings shall be provided in the quantity required to set at finished grade.
 - 1) Expanded, polypropylene, black, complying with ASTM D3575 and ASTM D4819.
 - 2) High density polyethylene, ASTM D4976.

(8) Exterior manhole coating

- 1) Emulsified fibrated asphalt coating in accordance with ASTM D1227 may be required by the District if corrosive soils are present.

(9) Interior manhole coating

1) Acceptable products

a) Sherwin Williams Dura-Plate 6000.

i) Sherwin Williams Dura-Plate 6100, may be required when high hydrogen sulfide concentrations are suspected.

b) Tnemec Series 435 Perma-Glaze.

c) Or equal products.

- 2) Installation shall be completed by a certified professional as directed by the product Supplier.

4-4 Conditions of Acceptance

A. A single digital copy (.pdf) of as-built drawings must be provided to the District at final testing.

- (1) Drawings must be accompanied by a certification letter from the Engineer of Record.

B. All materials and workmanship shall be warrantied for two years from the date the line is accepted by the District.

C. All construction work shall be performed by a bonded contractor.

Article 5. Customers Responsibilities

5-1 General Responsibility

A. The Customer is responsible for procurement, installation, appliances, apparatus, equipment, water and/or wastewater, and piping on the Customer side of the Point of Delivery or Egress. Including all costs associated with installing, operating, and maintaining in accordance with current Practices and Codes.

B. Depth of Service Lines

- (1) Service lines must be installed at least six (6) feet below established street grade and ground surface, or at the standard depth designated by the District, to prevent freezing.

C. Excavation Requirements

- (1) All excavations must be properly barricaded and lit to protect public safety.
- (2) Streets, sidewalks, boulevards, and other public areas disturbed by the work shall be restored to a condition satisfactory to the District.
- (3) Backfill beneath roads, driveways, or sidewalks generally requires:
 - 1) Compaction to 95% ASTM D698 standards.
 - a) Moisture content shall be: -2 to +3% of optimum.
 - 2) A Missoula County excavation permit may be required for excavations in the public right-of-way at which time permit conditions will supersede these regulations for backfill, concrete, or asphalt conditions.

D. Changes in Installation

- (1) Customers shall notify the District of any proposed changes or increases in load or usage that may affect District facilities.

E. Correction of Faulty Conditions

- (1) Customers shall correct any condition on their side of the Point of Delivery that prevents the District from providing satisfactory service.

F. Customer-Owned Service Lines and Facilities

- (1) The District is not responsible for the operation or maintenance of lines or facilities it does not own.
- (2) The District may discontinue service to any such facility if it is unsafe, interferes with District operations, or District Standards.

- (3) The District may require such lines to be brought up to District standards before restoring service.

G. Access to Premises

- (1) District employees and agents, when properly authorized, shall have access to Customer premises at reasonable hours to read, inspect, install, remove, or test District property, or to perform any activity associated with supplying service.

H. Cross Connection Control

- (1) Customers and Contractors must properly implement backflow prevention complying with all requirements of the Administrative Rules of Montana (ARM), the Uniform Plumbing Code, and Montana Department of Environmental Quality including but not limited to proper selection, installation, testing, and maintenance of a backflow preventer assembly.

5-2 Water Service Responsibilities

A. Service Size

- (1) The standard residential and irrigation tap is 5/8 inch, with a 3/4-inch service line.
- (2) Larger services require District approval.

B. Corporation Stop

- (1) Must be placed at the point of connection with the main.
- (2) Must be a District approved pattern, see Paragraph 10-8.
- (3) Installed by the Customer at a location designated by the District.
- (4) All costs associated with new connections to an existing line will be borne by the Customer.
- (5) The corporation stop shall be awarded to the District upon acceptance of the installation.
- (6) All service lines from the Point of Delivery are the customer's responsibility including all costs associated with replacement and repair of the Customers service line.

C. Curb Stop Responsibilities

- (1) Each building or premises must have an individual curb stop and curb box at a location designated by the District.

- 1) Typically, at the edge of the right-of-way or property line.
- (2) Must be a District approved pattern, see Paragraph 10-8.
- (3) The Customer must keep the curb stop and curb box in good working condition and accessible to District personnel.
- (4) The Customer is liable for all costs associated with installation, replacement, and repair of the curb stop and curb box.

D. Stop and Waste Valve

- (1) A stop-and-waste valve must be installed inside the building at a convenient, freeze-protected location so the entire system can be shut off and drained.
- (2) Owners, tenants, and agents should be familiar with its location and use.
- (3) Shutting off the water at the curb stop will not drain the building's system.

E. Meters and Meter Installations

- (1) Contact Missoula County Public Works Department for District specific requirements for metering.
 - 1) Lolo Water System Customers
 - a) Residential services - a meter pit is required to be installed.
 - i) A meter is not required to be installed.
 - ii) Hard piping shall be installed if a meter is not installed.
 - b) Commercial services – a meter horn shall be installed in a building mechanical room ahead of any water usage line.
 - 2) Grass Valley Industrial Customers
 - a) A City of Missoula USRC agreement shall be signed and a meter installed per this agreement.
- (2) Meter Pit Requirements
 - 1) When required, Customers must provide a frost-proof meter pit at their expense near the curb box or must provide an approved remote reading device when the meter is installed inside the structure.
- (3) Meter Placement
 - 1) Meters should be installed in a Ford-type meter pit (or approved equivalent) where practical.

- 2) The District may authorize placement in a heated space, insulated exterior box, or inside structures on a case-by-case basis.
- 3) The Customer is responsible for keeping the meter installation operational and protected from freezing or damage.
- (4) Authorized Work on Meters
 - 1) Only Montana-certified plumbers or certified District personnel may install, repair, or replace a meter.
 - 2) No person may tamper with or interfere with a meter without written District permission. Tampering may constitute theft and may be prosecuted.
- (5) Meter Damage
 - 1) Customers shall protect the meter from damage due to freezing, impact, or misuse. Customers may be responsible for repair or replacement costs.
- (6) Meter Testing
 - 1) If a Customer requests meter testing and the meter is defective, no charge will apply.
 - 2) If the meter is accurate, a service charge of not less than thirty dollars may be assessed. Actual costs incurred by the District will be charged accounting for mileage, labor hours, documentation, and all other incidental costs.
- (7) New Buildings Meters
 - 1) All new buildings connecting to an SID system must install a water meter at the Customers expense, as specified by the Public Works Director or their designee.
- (8) Property Transfers of Meters
 - 1) Residences sold or transferred must install an Owner-supplied and District approved meter at the time of sale.
- (9) Commercial Meters
 - 1) When applicable, commercial properties must apply for and install a meter sized according to actual use.
 - 2) Meter must be installed and inspected before use.
 - 3) Meter cost shall be borne by the Customer.

F. Water Use Rates

- (1) Contact the Office of Missoula County Clerk & Treasurer for questions related to service rates and schedules.
- (2) Rates may change as new operational cost data becomes available and shall be adopted by the County Commissioners.
- (3) Right to Estimate Usage
 - 1) When applicable, the District may estimate usage in cases of meter failure, wiring failure, or unauthorized interference, at the sole discretion of the District.

G. Private Wells and Pumps

- (1) Private wells and pumps may not be cross-connected to District water lines under any circumstance.

H. Customer Equipment Notice

- (1) Customers with boilers, water heaters, or equipment dependent on water pressure are advised that:
 - 1) boilers or heaters may collapse when water pressure drops
 - 2) the District is not responsible for the safety or damage to such equipment
 - 3) Customers should open a hot water faucet when the water supply is turned off, leaving it open until service is restored.
 - a) Customers are advised to never leave their premises with faucets open and the water supply shut off.
 - 4) A check valve must be installed between a boiler and the District's mains to prevent the boiler from draining.

5-3 Wastewater Service Responsibilities

A. Sewer Specific Customer Responsibilities

- (1) Cleanout Awareness
 - 1) Owners, agents, and tenants must know the location of sewer cleanouts.
 - 2) Traps in vacant properties should be filled with antifreeze to prevent freezing and pipe damage.
 - a) Antifreeze shall be plumbing grade, propylene glycol base, non-toxic, and compatible with the applicable pipe material.
- (2) Changes in Installation

- 1) Customers must notify the District of any changes to sewer installations that could overload or adversely impact District facilities.
- (3) Correction of Faulty Conditions
 - 1) Customers must correct any sewer system condition that prevents the District from providing satisfactory service.

B. Wastewater Use Rates

- (1) Contact the Office of Missoula County Clerk & Treasurer for questions related to service rates and schedules.
- (2) Rates may change as new operational cost data becomes available and shall be adopted by the County Commissioners.

Article 6. Districts Responsibilities

6-1 General District Responsibilities

A. District Responsibility

- (1) The District shall maintain its lines and facilities on its side of the Point of Delivery and Egress.
- (2) The District is not required to install or maintain any Customer-owned lines or facilities except for District-owned meters.

B. Operation of District Equipment

- (1) No person may open, close, turn, interfere with, attach to, or connect with any District fire hydrant, valve, stop valve, manhole, cleanout, or other District appurtenance unless authorized by the District.
- (2) Anyone found guilty of the aforementioned will be subject to prosecution by the County Attorney's Office.

C. Default of Customer Responsibility

- (1) When the District must repair service lines or mains due to a Customer failing to meet their responsibilities, the District reserves the right to recover its costs.
- (2) Charges may include:
 - 1) labor at 1.5 times the employee's regular wage,
 - 2) use of standard tools and service vehicles, and
 - 3) rental equipment rates and actual costs plus 10% for transportation and handling.

D. Continuity of Service

- (1) The District shall make reasonable efforts to avoid service interruptions and will restore service with reasonable diligence when interruptions occur.

E. Liability for Interruption of Service

- (1) The District shall not be liable for interruptions caused by:
 - 1) acts of God
 - 2) governmental regulations
 - 3) court or commission orders

- 4) acts of third parties
- 5) vandalism or public interference
- 6) labor disputes or strikes
- 7) accidents or weather conditions
- 8) drought
- 9) any other cause beyond the District's reasonable control

6-2 Water Specific District Responsibilities

A. Suspension of Water Service for Repairs and Changes

- (1) The District may suspend water service when necessary to repair or modify District collection, storage, transmission, distribution facilities, meters, or related equipment.
- (2) The District will make reasonable efforts to minimize inconvenience and is not liable for service interruptions during such work.

6-3 Emergency Procedures

A. Water Main Shutdowns

- (1) The District will shut down a main line only after all reasonable alternatives have been eliminated. Shutdowns introduce risks of contamination requiring flushing, disinfection, and extended service outages.

B. Customer Requested Shutdowns

- (1) If a Customer requests a water main shutdown instead of alternative methods (such as excavation and closing a corporation stop), the Customer may be assessed a service fee.
- (2) If shutdown is necessary, the District Manager will determine the appropriate action when time is of the essence.
- (3) Otherwise, the District shall be consulted and will authorize the action.

C. Assessment of Fees

- (1) As approved by the Commissioners and collected by the District, shall determine whether a fee is appropriate.
 - 1) Fees typically include:
 - a) actual District costs.

- b) a minimum \$35.00 turn-on or re-inspection fee.

6-4 Sewer Specific District Responsibilities

A. Suspension of Sewer Service for Repairs and Changes

- (1) When the District must perform repairs, inspections, or modifications to sewer facilities, it may suspend service for the time reasonably necessary to complete such work, without incurring liability.
- (2) The District will make reasonable efforts to notify the public of service interruptions when time and conditions permit. Every attempt will be made to perform such work in a manner that minimizes inconvenience to Customers.

Article 7. Records

7-1 The District shall keep such records as are required by these rules and regulations for such period of time as are provided by the Commissioners.

- A. The Customer must provide record information to the District upon completion of work and prior to placing the system into service.

7-2 Record information shall include:

- A. All product data sheets.
- B. Plan drawings.
- C. Section drawings as applicable.
- D. Elevation or depth of bury for all equipment installed.
- E. Documentation of State Approval as required.
- F. Supporting calculations as required.
- G. All other documents determined necessary by the District for complete record of the installation.

Article 8. Use of Public Sewers Required

- 8-1 It is unlawful for any person to place, deposit, or permit the deposit of garbage or other objectionable waste in any unsanitary manner on public or private property within the District or within any area under the District's jurisdiction.
- 8-2 There shall be two classes of building sewer permits:
- A. For residential service.
 - B. For service to establishments producing commercial/industrial wastes.
 - C. In either case the Owner(s) or his agent shall make application on a special form furnished by the District. The permit application shall be supplemented by any plans, specifications, or other information considered to be pertinent in the judgement of the District. See Article 10 for permit and inspection fees.
- 8-3 No person shall discharge sewage or polluted waters into any natural outlet within the District or within any area under the District's jurisdiction except where suitable treatment has been provided in accordance with this Regulation.
- 8-4 Except as otherwise permitted, it is unlawful to construct or maintain any privy, privy vault, septic tank, cesspool, or any other facility intended or used for the disposal of wastewater unless approved by the Commissioners.
- 8-5 The owner of any house, building, or property used for human occupancy, employment, recreation, or other purposes and located within the District shall, at the owner's expense, install suitable toilet facilities and connect those facilities directly to the public sewer system in accordance with this Regulation.
- 8-6 Existing cesspools or septic systems may remain in service until ordered to disconnect or until the system fails as determined by public officials.
- 8-7 The District has the responsibility to protect the Publicly-Owned Sewage Treatment Works (POTW) from pollutants which would inhibit, interfere, or otherwise be incompatible with operation of the treatment works including with the use or disposal of municipal sludge.
- A. All industrial users shall pay the fee prescribed and complete with the District Manager a Wastewater Classification Survey containing the following information at least thirty (30) days prior to planned discharge into the wastewater utility:
 - (1) Required information includes: name and facility address; type of services rendered and products produced; principal raw materials catalysts used; plant operational characteristics; water use information; wastewater discharge

information; wastewater generation; wastewater quantities and constituents; wastewater pretreatment; and non-discharge wastes and their disposal.

- B. All industrial users obtaining a building permit for initial construction or for building expansion or remodeling shall complete and submit the survey to the District for review prior to any construction.
 - C. All industrial users shall update the Wastewater Classification Survey on file with the District Manager whenever significant changes are made to the wastewater discharge. Significant changes include without limitation, an increase or decrease in wastewater volume, changes in concentration of materials or substances, or changes in types of wastes, that will last for a period exceeding normal wastewater production variations.
 - (1) If the normal quantity or quality has changed, the user shall notify the Manager by letter. The Manager may request a new submittal of the Wastewater Classification Survey as deemed necessary.
 - D. In the event that no work has begun for a six-month period from the date of approval by the District or in the event that no work has been incurred in any six-month period, then owner or his agent must reapply for a new permit. A new permit fee will also be assessed on approval of permit and must be paid before work commences.
 - E. Pretreatment Standards (40 CFR Section 403.5) developed pursuant to Section 307 of the Federal Clean Water Act (the Act) require that the (Permittee) District shall not allow, under any circumstances, the introduction of the following pollutants to the POTW from any source of nondomestic discharge:
 - (1) Any other pollutant which may cause Pass Through or Interference.
 - (2) Pollutants which create a fire or explosion hazard in the POTW, including but not limited to, waste streams with a closed cup flashpoint of less than sixty (60) degrees Centigrade (140 degrees Fahrenheit) using test methods specified in 40 CFR Section 261.21.
- 8-8 All costs and expense incidental to the installation and connection of the building sewer shall be borne by the owner(s). The owner(s) shall indemnify the District from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.
- 8-9 A separate and independent building sewer shall be provided for every building. Where one building stands at the rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, court, yard or driveway then the building sewer from the front building may

be extended to the rear building and the whole considered as one building sewer. But the District does not and will not assume any obligation or responsibility for damage caused by or resulting from any such connection.

- 8-10 Old building sewers may be used in connection with new buildings only when they are found, on examination and tested under the direction of the District to meet all requirements of this Regulation.
- 8-11 The size, slope, alignment and materials of construction of all sanitary sewers including building sewers, and the methods to be used in excavating, placing of the pipe, jointing, testing, connection of the building sewer into the public sewer and backfilling the trench, shall conform to the requirements of the building and plumbing codes and other rules and regulations of Missoula County and the State of Montana, or the procedures set forth in appropriate specifications of the ASTM and the Water Pollution Control Federation (WPCF) Manual of Practice No. 9. All connections shall be made gastight and watertight and verified by proper testing. Any deviation from the prescribed procedures and materials must be approved by the District before installation.
- 8-12 Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by an approved means and discharged to the building sewer.
- 8-13 No person(s) shall discharge or cause to be discharged any unpolluted waters such as storm water, surface water, ground water, roof runoff, subsurface drainage, or cooling water to any sewer, except storm water runoff from limited areas, which storm water may be polluted at times, may be discharged to the sanitary sewer by permission of the District and the Montana DEQ.
- 8-14 The contractor shall provide a minimum of three (3) inches of bedding material below the service pipe and a minimum of six (6) inches of bedding material on the sides and the top of the service pipe. The bedding material shall be crushed stone or pea gravel with not less than ninety five (95) percent retained on the number 4 screen. The bedding material is to be compacted by sluicing with a shovel. Special care shall be taken to bed the pipe firmly to exact line and grade. All pipe, when joined in the trench, shall form a true and uniform line of sewer.
- 8-15 The applicant for the building sewer permit shall notify the District 24 hours in advance when the building sewer is ready for inspection and connection to the public sewer. No building sewer shall be covered until it has been inspected and

approved by the District. The connection to the public sewer shall be made under the supervision of the District.

- 8-16 Connection to the District sewer will be made at the wyes provided in the District Sewer. If the wyes have not been provided near the point of desired connection, then an approved saddle shall be installed for the connection. Where a saddle is used, a neat hole shall first be cut in the pipe so that the sewage can pass into the District sewer without obstruction and the saddle adequately cover the hole. The entry into the District sewer shall be made at an angle of about forty-five (45) degrees from the top center line of the pipe and at an oblique downstream angle of about sixty (60) degrees.
- 8-17 Storm water other than that exempted under Paragraph 8-10, and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as combined sewers or storm sewers, or to natural outlet approved by the District and the Montana DEQ.
- 8-18 Unpolluted industrial cooling water or process water may be discharged, on approval of the District to a storm sewer, combined sewer, or natural outlet. All other State and Federal approvals and permits must be documented with the District.
- 8-19 No person(s) shall discharge or cause to be discharged any of the following described water or wastes to any public sewers;
- A. Any gasoline, benzene, naphtha, fuel oil or other flammable or explosive liquid, solid, or gas including petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through pollutants.
 - B. Each user who discharges any toxic pollutants which cause an increase to the cost of managing the effluent or the sludge of the District Treatment Works shall pay for such increased costs.
 - C. Solid or viscous substance in quantities or of such size capable of causing obstructions to the flow in sewers, or other interference with the proper operation of the wastewater facilities such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, underground garbage, whole blood, paunch manure, hair and fleshlings, entrails, paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders.
 - D. Any water or waste containing a toxic or poisonous substance, in sufficient quantity to injure or interfere with any sewage treatment process, to constitute a

hazard to humans or animals, or to create any hazard to the receiving waters or storm water overflows, or to the effluent of the sewage treatment plant.

- E. Liquids containing copper, zinc, and similar toxic substances at the point of discharge to the District sewer or in combination with the total sewage treatment plant flow, shall not exceed EPA pretreatment standards, or the following limits, which ever are the most restrictive;

Treatment	Entry into Sewer	Sewage Plant
Arsenic	0.5 mg/l	0.3 mg/l
Cadmium	0.1 mg/l	0.3 mg/l
Chromium (Total)	2.77 mg/l	1.0 mg/l
Copper	2.0 mg/l	0.3 mg/l
Cyanide	1.0 mg/l	0.2 mg/l
Iron	10 mg/l	2.0 mg/l
Lead	0.69 mg/l	0.2 mg/l
Nickel	3.0 mg/l	0.5 mg/l
Phenols or Cresols	1.0 mg/l	0.3 mg/l
Zinc	2.61 mg/l	1.0 mg/l

- F. Any material which exerts or causes;

- (1) Unusual concentrations of inert suspended solids, such as, but not limited to, diatomaceous earth, lime slurries, lime residue or Fuller's earth.
- (2) Unusual concentrations of dissolved solids such as, but not limited to, sodium chloride, calcium chloride, or sodium sulfate.
- (3) Excessive discoloration such as, but not limited to, dye wastes or vegetable tanning solutions.
- (4) Unusual biochemical oxygen demand.

- G. Industrial wastes which have any of the following characteristics;

- (1) A five-day twenty degree Centigrade biochemical oxygen demand of more than 300 mg/l or an immediate oxygen demand of more than 100 mg/l;
- (2) A suspended solids content of more than 60 mg/l;
- (3) A chlorine demand of more than 20 mg/l;
- (4) A maximum instantaneous rate of flow exceeding ten percent of the capacity of the available lateral or appropriate trunk sewer.

8-20 The following described substances, materials, waters or wastes shall be limited in discharges to concentrations or quantities which will not harm either the sewers,

the sludge, the wastewater treatment process or equipment, will not have an adverse effect on the receiving stream and will not otherwise endanger lives, limb, public property or constitute a nuisance. The District may set limitations lower than the limitations established in the regulations if, in the District's opinion such more severe limitations are necessary to meet the above objectives. In forming its opinion as to the acceptability, the District will give consideration to such factors as:

- A. The quantity of subject waste in relation to flows and velocities in the sewers,
- B. Materials of construction of the sewers,
- C. The wastewater treatment process employed,
- D. Capacity of the wastewater treatment plant, and
- E. Other pertinent factors.

8-21 The limitations or restrictions on materials or characteristics of waste or wastewaters discharged to the sanitary sewer which shall not be violated without approval of the District or as follows;

- A. Wastewater having a temperature higher than 150 degrees Fahrenheit.
- B. Wastewater containing more than 25 milligrams per liter of petroleum oil, non-biodegradable cutting oils, or product of mineral oil origin.
- C. Wastewater from industrial plants containing floatable oils, fat, or grease.
- D. Any garbage that has not been properly shredded. Garbage grinders may be connected to sanitary sewers from homes, hotels, institutions, restaurants, hospitals, catering establishments, or similar places where garbage originates from the preparation of food in kitchens for the purpose of consumption on the premises or when served by caterers.
- E. Any waters or wastes containing odor-producing substances exceeding limits which may be established by the District.
- F. Any water or waste which contains in excess of 100 milligrams per liter or a lesser amount as fixed by the District for a particular establishment, of fat wastes, oil or grease, whether or not emulsified, ether-soluble or n-hexane soluble matter or any substance which may solidify or become discernibly viscous at temperatures above thirty- two degrees Fahrenheit.
- G. Any soluble waste or wastewater having a pH lower than 6 or higher than 9 or having any other corrosive property which reasonably could be hazardous to structures, equipment, or personnel of the sewage disposal and sewer repair

division of the District such as, but not limited to, battery or plating acids and wastes, copper sulfate, chromium salts and compounds, or salt brine;

- H. Any radioactive wastes or isotopes of such half-life or concentrations as may exceed limits established by State or Federal regulations.
- I. Quantities of flow, concentrations, or both which constitute a Slug.
- J. Waters or wastes containing substances which are not amenable to treatment or reduction by the wastewater treatment processes employed or are amenable to treatment only to such degree that the wastewater treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving waters.
- K. Any water wastes which the District determines will, by itself or by interaction with other water or wastes in the public sewer system, release obnoxious gases, form suspended solids which interfere with the collection system, or create a condition deleterious to the structures and treatment processes.

8-22 If any waters or wastes discharged, or are proposed to be discharged to the public sewers, which waters contain the substances or possess the characteristics enumerated in Paragraph 8-21, and which in the judgment of the District, may have a deleterious effect upon the wastewater facilities, processes, equipment, or receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, the District may:

- A. Reject the wastes.
- B. Require pretreatment to an acceptable condition to the public sewers.
- C. Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes or sewer charges under the conditions of Paragraph 8-29 of this Article. If the District permits the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the District, County, and the Montana DEQ. No construction or installation thereof shall commence until written approval of plans and specifications by the District is obtained. No person(s), by virtue of such approval, shall be relieved of compliance with other rules of the County and of the State relating to construction and to permits.

8-23 No person(s) operating a filling station, garage, or similar place having wash or grease racks shall discharge to the wastewater utility unless such a place is provided with a sand and grease trap of a size and construction approved by the District.

- 8-24 No person(s) operating a restaurant or food preparation establishment or other usage whether residential or non-residential uses that has a recurring problem with grease buildup or blockage of sewer lines shall fail to install an adequate grease trap/interceptor(s) as needed to trap and keep grease.
- A. The District requires grease interceptors of a size no smaller than 1,000 gallons. Variance from this code(s) must be submitted in writing to the Missoula County Public Works Office. The design of the aforesaid interceptor shall be observed and may be obtained from the Office of the Public Works.
 - B. All sand and grease traps shall be properly maintained and serviced at the owner's expense. Records of maintenance and service shall be kept on file for a minimum of three years and shall be made available to the District upon request by the Manager.
 - C. Any removal and hauling of the collected materials not performed by owner(s) personnel must be performed by licensed waste disposal firms.
- 8-25 Where pretreatment or flow-equalization facilities are provided or required for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the owner(s) at his expense.
- 8-26 When required by the District, the owner(s) of any property serviced by a building sewer carrying industrial wastes shall install a suitable structure together with such necessary meters and other apparatuses in the building sewer to facilitate observations, sampling, and measurement of the waste. Such structures, when required, shall be accessibly and safely located, and shall be constructed in accordance with plans approved by the District. The structure shall be installed by the owner(s) at his expense, and shall be maintained by him as to be safe and accessible at all times. Every facility for pretreatment or handling of industrial waste shall be subject to inspection by an authorized District representative who shall determine whether or not such facility is being maintained in an effective operation.
- 8-27 The District may require a user of sewer services to provide information needed to determine compliance with this Regulation. The requirements may include:
- A. Wastewater's discharge peak rate over a specified period of time.
 - B. Chemical analysis of wastewaters.
 - C. Information on raw materials, processes, and products affecting wastewater volume and quality.

- D. Quantity and disposition of specific liquid, sludge, oil, or other material important to sewer use control.
- E. A plot plan of the user's property showing sewer and pretreatment facility location.
- F. Details of wastewater pretreatment facilities.
- G. Details of systems to prevent and control the losses of materials through spills to the District sewer.
- H. Where known, the nature and concentration of any pollutants in the discharge which are limited by any County, State, or Federal Pretreatment Standards, and a statement regarding whether or not the pretreatment standards are being met on a consistent basis and if not, whether additional Operation and Maintenance (O&M) and/or additional pretreatment is required for the User to meet applicable Pretreatment Standards;
- I. If additional pretreatment and/or O&M are required to meet the Pretreatment Standards, the shortest schedule by which the User will provide such additional pretreatment. The completion date in this schedule shall not be later than the compliance date established for the applicable Pretreatment Standard:
 - (1) The following conditions shall apply to this schedule:
 - 1) The schedule shall contain increments of progress in the form of dates for the commencement and completion of major events leading to the construction and operation of additional pretreatment required for the User to meet the applicable Pretreatment Standards (e.g., hiring an engineer, completing preliminary plans, completing final plans, executing contract for major components, commencing construction, completing construction, etc.)
 - 2) No increment shall exceed 9 months.
 - 3) Not later than 14 days following each date in the schedule and the final date for compliance, the User shall submit a progress report to the Manager including, as a minimum, whether or not it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with this increment of progress, the reason for delay, and the steps being taken by the User to return the construction to the schedule established. In no event shall more than 9 months elapse between such progress reports to the Manager.

8-28 All measurements, tests, and analysis of characteristics of water and wastes to which reference is made in this Regulation shall be determined in accordance with

the latest edition of "Standard Methods for the Examination of Water and Wastewater", published by the American Public Health Association. Sampling methods, location, times, duration and frequencies are to be determined on an individual basis subject to approval by the District.

- 8-29 No statement contained in this Article shall be construed as preventing any special agreement or arrangement between the County and an industrial concern whereby an industrial waste of unusual strength or character may be accepted by the District for treatment.
- 8-30 If the Federal government issues Federal categorical pretreatment standards for the industrial category that are more stringent than the standards prescribed by this Regulation, such Federal standards supersede the standards prescribed by this Regulation. The District reserves the right to establish discharge limitations more stringent than Federal and State requirements, or limitations contained herein, if deemed necessary to protect the treatment facility.
- 8-31 No industrial user shall increase the use of process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with any applicable limitations. The District in consultation with the user shall determine whether a dilution has occurred.
- 8-32 Each industrial user shall provide to the District written procedures for handling accidental discharge to the District wastewater utility of materials or substance regulated by this Regulation.
- A. Each industrial user shall permanently post a spill prevention and notification procedure in compliance with this section on it's bulletin board and prominently display the procedure at each area of possible accidental discharge.
 - B. In the case of accidental discharge, any industrial user shall notify immediately by telephone the Manager at the wastewater treatment plant of the location of the discharge, type of waste, concentration, volume, and corrective actions. In addition to taking any other remedies for a failure to report accidental discharges, the District may revoke the industrial user's discharge permit.
 - C. Within five (5) working days following an accidental discharge, the industrial user shall submit to the Manager a detailed written report describing the cause of discharge and measures to be taken by the industrial user to prevent similar future occurrences. Such notification does not relieve the industrial user of any expense, loss, damage or liability that may be incurred from the damage to the wastewater utility or quality of receiving stream, or any other damage to persons or property. Nor does such notification relieve the industrial user from any fines,

civil penalties, or other liabilities that may be imposed by this Regulation or other applicable law.

8-33 The District may require, at the user's expense, installation, operation and maintenance of facilities to prevent accidental discharge of such materials or substances.

8-34 The District may suspend or revoke an industrial discharge permit and terminate the liquid-or-water-carried waste service if the permittee:

- A. Violates any condition stated in the permit or provisions of this code;
- B. Fails to report an accidental discharge of a toxic substance;
- C. Increases the use of process water or attempts to dilute the discharge for the sole purpose of achieving compliance with any limitations;
- D. Falsifies any report of the wastewater constituents and characteristics;
- E. Tamper with, disrupts, or damages monitoring and sampling equipment or facilities;
- F. Refuses reasonable access to the industrial user's premises for the purpose of inspection or monitoring; or
- G. Fails to pay fees or charges.

8-35 Whenever the District finds that any industrial user has violated or is violating any provision of this regulation, the District Manager may serve upon such person(s) a written notice stating the nature of the violation and providing a reasonable time, not to exceed 45 days, for the satisfactory correction thereof.

- A. The user may request a meeting with the Manager or the Commissioners to discuss the violation or the correction schedule.

8-36 If the District finds grounds in Paragraph 8-34 of this section or any other grounds for suspension or revocation in this code, the District shall determine whether to revoke the permit for the remainder of its term or suspend it for any shorter period according to the severity of the disqualification, its effect on public health, safety, and welfare, and the time during which the disqualification can be remedied if at all.

8-37 Before the hearing required by Paragraph 8-38 of this section, the Manager may suspend a District permit for up to twenty (20) days, if the Manager determines that the suspension is necessary to prevent an imminent danger to the public health, safety and welfare. The Manager may include in the temporary suspension

reasonable orders or conditions with which the permittee shall comply to protect the public's health and safety.

- A. Any breach of such conditions or orders is an independent ground for revocation of the permit.

8-38 Except for such emergency suspension authorized by Paragraph 8-37, no such suspension or revocation shall be final until the permittee has been given the opportunity for an initial public hearing to contest the suspension or revocation with the Commissioners.

8-39 The industrial user shall pay all costs and expenses associated with any such suspension and restoration of service.

8-40 Any user violating provisions of this regulation shall be liable for any expense, loss, or damage caused to the District, by reason of such violation, including the increased cost for managing effluent, sludge, or operations when such increases are the result of the user's discharge.

8-41 If the user discharges such pollutants that cause the District to violate any condition of its NPDES permit and to be fined by EPA or the State for such violation, such user shall be fully liable for total amount of the fine assessed against the District including, without limitation, all legal, sampling, and analytical testing cost.

8-42 If any user discharges into the wastewater utility in violation of this code, Federal, or State regulations, or any order of the District, the County attorney may commence an action for legal or equitable relief, including a petition in a court of appropriate jurisdiction for a temporary restraining order, and preliminary, and permanent injunctions against the violation.

8-43 The District Manager may annually publish in a newspaper of general circulation in Missoula County a list of all industrial users who significantly violated any provision of this resolution during the previous twelve months and a summary of any enforcement actions taken against such users during the twelve-month period.

8-44 For purposes of this Regulation, significant violations are those remaining uncorrected forty-five days after the date of the notice of non-compliance or that are part of a pattern of non-compliance over a twelve-month period, or that involve a failure to report an accidental discharge to the District as required by this Regulation.

8-45 An industrial user who is required to obtain an Industrial Discharge Permit, and is discharging wastes in excess of average strength sewage (200 mg/l BOD or 440 mg/l COD; 250 mg/l TSS) shall pay excess user charges as prescribed by the

Commissioners in compliance with EPA and Montana DEQ approved fee schedule. Sampling, analyses, and reporting requirements to determine the excess user charge shall be a condition of the user's Industrial Discharge Permit and shall be carried out in accordance with procedures contained in this regulation. On discharges of consistent strength, the District Manager may compute a standard excess user charge based on average strength of the user's discharge.

- A. The industrial user shall be required to sample, analyze, and report discharge strengths on a periodic basis to ensure consistency of sewage strength.

Article 9. Standards

9-1 This Regulation adopts guidelines for design, materials, testing, trenching, compaction, ROW work, and traffic control the following documents:

- A. Montana DEQ Circulars
- B. Missoula County – Water and Wastewater Standard Details
- C. Missoula County – SCADA Master Plan
- D. Missoula County - Public Works Manual
- E. Montana Public Works Standard Specifications

9-2 The District may approve lesser minimum standards only in special cases.

Article 10. New Service Connections

- 10-1 Application for water and/or sewer service must be made to the District Manager.
- 10-2 All expense of laying and maintaining the service pipe from the water and/or sewer main to the customer's premises is borne by the Customer.
- 10-3 It is suggested that the consumer check on any possible future grading of the street and install the service line six feet below the final road surface grade. Customer should also ensure that curb box and/or meter pit is not buried under fill materials, obstructed by sudden grade changes or vegetation that would hinder access. Customer is reminded that these device(s) are to be maintained in good operating condition at all times, by the customer, for the purpose of turning off and on the water in times of need or emergency. The District reserves the right to refuse service to systems that don't meet all the requirements for operation compaction, backfill, grading etc.
- 10-4 All new services may be subject to impact fees, reference www.missoulacounty.gov or contact the District for the applicable impact fee amount.
- 10-5 All new or rebuilt services (as in replacement of mobile homes or residence destroyed by fire or other means natural or man caused) must be inspected for proper materials, backfill, compaction and workmanship and the standard fee for inspection of new services will apply.
- 10-6 The District standard inspection form will be used. A permit and inspection fee of One hundred dollars (\$100.00) for a residential building sewer inspection permit and one hundred dollars (\$100.00) for a residential water inspection permit.
- A. Failed inspections requiring additional inspection visit(s) may be subject to additional inspection fees at the applicable inspection rate noted above.
- 10-7 One hundred fifty (\$150.00) for an industrial/commercial water inspection permit and one hundred fifty (\$150.00) for an industrial/commercial building sewer inspection permit should be paid to the District at the time the application is filed. Payment of fee shall be paid prior to use or occupancy of business or residence.
- A. Failed inspections requiring additional inspection visit(s) may be subject to additional inspection fees at the applicable inspection rate noted above.
- 10-8 Corporation Stops, Curb Stops, and Curb Boxes:
- A. Shall be Ford "Minneapolis Pattern" or District approved equivalent.

- B. Curb box shall have no smaller than 1 ½" inch diameter access pipe and cap.
- C. The corporation stop shall be tapped under the supervision of a representative of the District. If tap is not observed by a representative said tap may require re-excavating for proper inspection unless prior and/or special approval is granted by the District.
- D. A curb stop and curb box of approved type must be installed on the service line by the customer at a location specified by the District. The normal location of this appurtenance is one foot out from the customer's property line. Any other placement of the valve should have the District's approval prior to installation.

10-9 Water service lines:

A. Polyethylene (PE) pipe:

- (1) Shall meet the requirements and provisions of AWWA Standard C901, latest edition.
- (2) Shall have iron pipe size dimensions.
- (3) Be ASTM D1248 Compound Classification shall be Type III, Grade P34, Class C with the Standard Code Designation of PE 3406/3408.
- (4) The Dimension Ratio (DR), using Inside Diameter (ID) base dimensions, shall be 7.
- (5) The AWWA Pressure Class (PC) shall be 200 psi.

B. Polyvinyl Chloride Pipe (PVC) pipe:

- (1) Shall meet the requirements and provisions of AWWA Standard C900, latest edition.
- (2) Shall have cast iron pipe outside diameter (OC) dimensions.
- (3) Shall have a dimension ratio (DR) of 14 when using the outside diameter base dimensions.
- (4) The AWWA pressure class (PC) be 200 psi.
- (5) Joints for PVC pipe shall be the push-on type, and the joints and gasket materials shall meet the requirements and provisions of AWWA Standards, C900 and C111, latest editions.

C. Inspection testing and marking:

- (1) Shall be as specified in the applicable AWWA Standard C900 or C901, latest edition.

D. Tracer wire:

- (1) Shall be provided with all non-metallic service lines.
- (2) Suitable for direct bury, minimum #14 gauge shall be provided.
- (3) All trace wires, where possible, shall appear on the inside of a main valve box and taped to the outside of a curb box.
- (4) At project completion, during the final walk-through inspection, testing of continuity of trace wire shall be certified by the contractor and/or engineer.
- (5) The District, may test the continuity with it's equipment for proper operation.
- (6) In the event that a break occurs repair must be a soldered repair using rosin core solder or a heat-shrink Thomas Betz type water proof butt-splice or approved equal. Splice shall be inspected by the District before burial. Failure to obtain inspection may result in re-excavation at the Districts' discretion.

10-10 No plumber or any other person will be allowed to make connections to the District mains without the approval of the District. Any curb boxes found in the off position shall not be turned on when they have been disconnected by the District without prior approval.

10-11 Requests for Water - Sewer Locations - Upon request by the customer and as a courtesy to the public, the District will assist the customer, time permitting, attempt to find curb valves and sewer stub outs property pins, etc. free of charge.

- A. This attempt in no way obligates the District, County or it's employees for performance of such duties as to the accuracy of such location. Reference Paragraph 5-1.
- B. The customer may have claim against the previous owner or developer for inaccuracy of plans and blue prints and should examine that possibility in the event a problem arises.
- C. Explanation: Often no known method exists that will accurately locate some buried underground appurtenances.. In most cases, most systems designed to locate these appurtenances require that a system to locate sewer and water line must be put in place during construction. (e.g. a trace wire, magnetic tape, iron, wooden posts, etc.)

10-12 Sewer service lines:

A. Gravity service lines:

- (1) PVC pipe shall comply with Paragraph 4-3C(2).

- (2) The minimum size for gravity sewer for a residential building to District Sewer shall be 4-inches,
- (3) The minimum slope of the sewer shall be one-eighth ($1/8$) inch per foot.
- (4) The maximum slope of the sewer shall be one-fourth ($1/4$) inch per foot.
- (5) Joints shall be watertight and resistant to root intrusion.
- (6) A cleanout shall be placed on the Customer's side of the property line.
- (7) The service and installation shall comply with all applicable Plumbing Codes.

B. Force main service lines:

- (1) Smaller diameter service force main may be approved by the District.
- (2) Shall be the E One Grinder Pump Sewer System design. Only an E One (environmental one) system or its equivalent may be used for small diameter sewers.
 - 1) D-Series or W-Series shall be sized and submitted to the District for review.
- (3) Any modifications from this design must be approved in advance by the Commissioners.

Article 11. Prohibited Acts

- 11-1 To use the water or permit it to be used for any other purpose other than that for which it is normally intended.
- 11-2 To open, close, turn or interfere with, or to attach to, or connect with any fire hydrant, stop valve or stop cock belonging to the District.
- 11-3 To disturb or damage any pipe, machinery, tools or other property of the District.
- 11-4 To deface or injure any buildings or other improvements of the District.
- 11-5 To place any foreign objects upon the grounds of the District property or such portion of the grounds and streets under its control.
- 11-6 To disturb or injure any watershed, lawn, grass plot, flowers, vines, bushes or trees belonging to the District.

Article 12. Power and Authority of Inspectors

- 12-1 The District Manager and other duly authorized employees of the District, bearing proper credentials and identification, shall be permitted to enter all properties for the purposes of inspection, observation, measurement, sampling and testing pertinent to discharge to the community system in accordance with the provisions of this Regulation.
- 12-2 The District Manager or other duly authorized employees of the District or the County are authorized to obtain information concerning industrial processes which have a direct bearing on the kind and source of discharge to wastewater collection. If the industry withholds information considered confidential, the District under such circumstances may refuse to accept discharges until it is satisfied that such waste and discharges will not have an adverse effect on the system and these regulations.
- 12-3 While performing the necessary work on private properties referred to in Paragraph 12-1, above, the Manager or duly authorized employees of the District shall observe all safety rules applicable to the premises established by the company, and the company shall be held harmless for injury or death to District employees, except as such may be caused by negligence or failure of the company to maintain safe conditions as required in Paragraph 8-26.
- 12-4 The Manager and other duly authorized employees of the District bearing proper credentials and identification shall be permitted to enter all private properties through which the District holds a duly negotiated easement for the purpose of, but not limited to, inspection, observation, measurement, sampling, repair, and maintenance of any portion of the wastewater facilities lying within said easement. All entry and subsequent work, if any, on said easement, shall be done in full accordance with the terms of the duly negotiated easement pertaining to the private property involved.

Article 13. Penalties

- 13-1 Any person(s) found to be violating any provision of this Regulation shall be served by the District with written notices stating the nature of the violation and providing a reasonable time limit, as determined by the District, for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.
- 13-2 Any person(s) who shall continue to violate beyond the time limit provided in Paragraph 13-1 may be denied service until such time as the violation is corrected and may be fined in an amount not to exceed that established by the Commissioners.
- 13-3 Any person(s) violating any of the provisions of this Regulation shall become liable to the District for any expense, loss, or damage occasioned the District by reason of such violation.
- 13-4 If the District finds that the occupant of property, who controls a preliminary treatment facility fails to maintain such facility in effective operation, the District shall shut off water service to the occupancy until the facility is put back into effective operation.

Article 14. Validity

14-1 All Regulations or parts thereof in conflict herewith are hereby repealed.

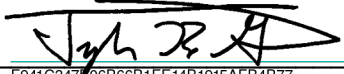
14-2 The invalidity of any section, clause, sentence, or provision of this regulation shall not affect the validity of any other part of this regulation which can be given effect without such invalid part or parts.

Article 15. Regulation In Force

15-1 This Regulation shall be in full force and effect from and after it's passage, approval, recording, and publication as provided by law.

15-2 Passed and adopted by the Board of County Commissioners of Missoula County, State of Montana, on the 4th day of August, 2026 .

ATTEST:


F941C34706B66B1FE14B1915AFB4B77 ready sign
Tyler R. Gernant, Clerk and Recorder

BOARD OF COUNTY
COMMISSIONERS:


13B051FD69FA2244FFA409545EBDD56F ready sign
Josh Slotnick, Chair


6F45D36DC641E9C2B2B512DC93A576B2 ready sign
Juanita Vero, Commissioner


A6ACE081F2505A3A08967F7EBB8C312 ready sign
Dave Strohmaier, Commissioner

Article 16. Petition for Inclusion Instructions for Lolo

- 16-1 Contact to be made by the applicant to the Public Works Department requesting service from the District.
- 16-2 A formal written request submitted by the applicant to the Public Works Department identifying the legal property description and the requested service(s).
- 16-3 Petition for Inclusion form to be generated by Public Works and provided to the applicant.
- 16-4 Petition for Inclusion to be signed by the applicant and sent back to Public Works for acknowledgement signature.
- 16-5 Acknowledgment letter that capacity to serve and preliminary district inclusion has been accepted pending approval by the Missoula County Board of County Commissioners.
- 16-6 Petition for Inclusion requests by Resolution and heard at a public meeting annually as scheduled by the Clerk and Records Office in accordance with public meeting statutes. Issuance of a 'Will Serve' letter by Public Works shall act as department approval while the property awaits the annual Resolution annexing parcels into the district.
- 16-7 Attached is an example Petition For Inclusion In Rural Special Improvement District No. 8901.

Public Works Department

6089 Training Drive
Missoula, MT 59808

P: 406.258.4753 | F: 406.258.4864
www.missoulacounty.us



**PETITION FOR INCLUSION IN
RURAL SPECIAL IMPROVEMENT DISTRICT NO. 8901**

The undersigned, do hereby petition the Missoula County Board of County Commissioners for inclusion in Rural Special Improvement District No. 8901 for the purpose of obtaining access to sanitary sewer and water improvements.

GENERAL AGREEMENT

In the course of making this petition request of the County Commissioners of Missoula County, we do hereby now present and agree as follows:

1. That the total cost for physically connecting to the district owned facilities is the responsibility of the petitioners and will be done at their sole expense. RSID 8901 does not undertake to extend any of its mains or facilities to provide service to petitioners' property. This connection will be subject to the rules and regulations of RSID 8901 and will require the approval of the Engineering Manager or acting manager of the Local Operator for RSID 8901.
2. That the description of property which is requested for inclusion in RSID 8901 and which will be assessed to pay the cost of expense thereof is described in Exhibit A.
3. That charges will include, but are not limited to, Impact Fees (based on the Impact Fee Study dated October 2, 2025, including any amendment or supplements thereto), inspection fees (per Missoula County water and sewer regulations), and ongoing RSID assessments. **Impact Fees** will be based on sewer line size and will be collected at time of building permit. If obtaining a building permit is not required, Impact fees must be collected prior to connection. **Inspection fees** will be charged for the water and sewer regulations and collected at time of connection to the system. **RSID Assessments** are ongoing fees and will appear on your property tax bill. The property will be subject to assessment(s) on the same basis as all other properties in RSID 8901.
4. Applicants will be required to obtain all required permits. DEQ will be the final approver in this process.
5. That the undersigned is the owner or owners of the lots and lands described in Exhibit A, or have the legal authority to sign this petition on behalf of the owner or owners.
6. Unless withdrawn by a request in writing, delivered to the Missoula County Commissioners prior to action by the Commissioners – annexing the property to RSID 8901 – this petition and the undertakings contained herein shall be binding on petitioners as owners of the property and on petitioner's successor, heirs and assigns.

WHEREFORE, the undersigned hereby petitions that the Missoula County Board of County Commissioners order and include the property described in Exhibit A within the boundaries of Rural Special Improvement District No. 8901.

Petition for inclusion (Continued)

Address: _____

Owners:

Name (Print)

Signature

Name (Print)

Signature

Dated this ____ day of _____, 2026.

Acknowledgement of Receipt:

Chief Public Works Officer

Date

Exhibit "A"
Description of Parcel

EXAMPLE