# SERVICE STANDARDS

Lakeside County Water & Sewer District

2023

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# INTRODUCTION

Lakeside County Water & Sewer District assembled this information to assist its customers and their engineers and contractors in planning for and obtaining sewer services. The information presented here is intended to supplement the ordinances of the Lakeside County Water & Sewer District Montana State Plumbing Code, and all other Federal or State codes, regulations, laws, and ordinances It is the customer's responsibility to abide by these codes, regulations, laws and ordinances at the time of construction. If there is a conflict in this information and higher legal authority, then the higher authority shall take precedence.
This document has been prepared with the understanding that the latest edition of the Montana Public Works Standards Specifications shall be used as a minimum standard.
Approved by the Lakeside County Water & Sewer District Board of Directors as Ordinance No. 23, or 27th day of May 1997.

# STATEMENT OF POLICY

It is expressly understood that this Service Standards document for the LAKESIDE COUNTY WATER AND SEWER DISTRICT does not constitute a contract of any kind. The District expressly retains all rights and responsibilities afforded them by law and district ordinances. Further, it is understood that this Service Standards document is issued to inform developers and other property owners regarding District policies for extension of water and sewer services into undeveloped territory. This Service Standards document may be changed from time to time and is issued as a general guide.

My signature below confirms that District Service Standards".	I have received a copy of the "Lakeside County Water & Sewer
Date:	Signature:

# DISTRICT OVERVIEW AND GENERAL INFORMATION

The Lakeside County Water District and the Lakeside County Sewer District (LCWSD) consolidated in 1997 and was chartered by the Secretary of State of Montana. LCWSD currently operates three (3) water systems – Lakeside, Cherry View, and South Eighty.

The original Lakeside Water System was acquired in 1997 and consisted of a 200,000-gallon steel storage reservoir and two water wells. In 2017 the Lakeside Water System was combined with the Troutbeck Rise/Lakeside Estates/Spurwing Water Systems to increase storage and well capacity and backup power for the means of fire protection.

The original Troutbeck Rise Water System was privately owned until December 2002 when LCWSD assumed ownership and operation. About that same time the system was expanded to include the Lakeside Estates Subdivision. An old redwood water storage tank was replaced with a new 120,000-gallon steel tank. The system is served by two water wells located in Troutbeck Rise and Lakeside Estates, respectively. In 2006 the Spurwing Development was added to the system.

The Lakeside Water System now consists of five (5) wells and two (2) above-ground storage reservoirs. Groundwater is pumped to the reservoirs and then gravity fed to consumers.

The Cherry Hill and Mission View water systems were acquired in 2010 and 2011, respectively. On January 10, 2014, the two systems were combined to form the Cherry View Water System. This water system consists of one 176,000-gallon storage tank, four wells, a storage reservoir, and three pump houses.

In April 2015 LCWSD assumed ownership/operation of the South Eighty Water System that consisted of one (1) well and a pressure tank vault housing eight (8) tanks. A second well was drilled in 2016 and came on-line in 2018. The pressure tank vault was eliminated, and a new pump house and booster station were constructed. Two (2) new water mains were installed from the pump house to the upper zone to create three separate pressure zones.

In December 1988 the Lakeside County Sewer was placed into operation to serve the sewage disposal needs of the town of Lakeside and surrounding area residents. The primary objective of developing the system was to reduce public health hazards and nutrient loading into Flathead Lake. The Lakeside County Water & Sewer District (LCWSD) operates and maintains a wastewater collection system for the community of Lakeside, several lift stations, an aerated-lagoon treatment facility, a land application facility, and a seven-mile long force transmission main between Lakeside and the treatment site. The majority of the system was constructed in 1988. The District also provides treatment and land application of wastewater from the Somers collection system.

In 1997 the Lakeside County Water District and the Lakeside County Sewer District consolidated and was chartered by the Montana Secretary of State under the name Lakeside County Water & Sewer District (LCWSD). The LCWSD boundaries generally encompass the residential and commercial tracts within the Town of Lakeside, south of Lakeside along the shore of Flathead Lake for a distance out onto Conrad Point, and north along Flathead Lake to the northern boundary of the Mission View Terrace Subdivision. In addition, the LCWSD includes the Highway 93 right-of-way north to the junction of Highway 82 and Highway 93, plus a number of individual properties that have been annexed into the LCWSD since 1988.

# APPLICABLE LAWS AND INDEMNIFICATION OF THE LCWSD

Contractors performing sewer system work in the LCWSD shall give all notices and comply with all federal, state, and local laws, ordinances, and regulations affecting the conduct of the work, and shall indemnify and hold harmless the LCWSD against any claim or liability arising from, or based on, the violation of any such law, ordinance, regulation, etc., whether by himself or his employees.

# PERMITS AND ANNEXATION PETITIONS

Before any new connection is made to the LCWSD facilities, a *Permit* issued by the LCWSD office is required.

Requests for service to properties lying outside the boundaries of the LCWSD must also be accompanied by a *Petition for Annexation* before such requests are considered.

The Board of Directors must act on each *Petition for Annexation*, i.e., "out-of-district" service requests.

#### NEW SERVICE AREAS -- AGREEMENT FOR SEWER SERVICES

Available system capacity will always be a consideration when out-of-district parcels request sewer service. Also, in-district "over-density" service requests will trigger the same consideration.

Capacity for land within the bounds of the original District (1987) has been allocated on the basis of one equivalent user (average household/single family equivalency) per one-half acre on vacant land or one equivalent user on small buildable parcels already platted in 1987.

Therefore, large capacity service requests in or out of the District may require a *Service Agreement* between the LCWSD and the developer requesting service. The *Service Agreement* will define the terms and conditions necessary to secure a commitment for service.

# **CONTRACTOR BONDING**

Three bonds will be required for contractors and/or developers performing main line extension work that will ultimately fall under the ownership of the LCWSD.

- Labor and Material Bond
- Performance Bond
- Warranty Bond

Labor and Material and Performance Bonds shall be 125% of the estimated construction cost.

Developers must provide LCWSD with lien release documentation from suppliers before service on the extended facilities commences.

# WARRANTY BOND

A warranty bond shall be supplied to the LCWSD before service is allowed to any extended water or sewer main line or any installation to be owned by the LCWSD. The warranty bond shall be valid for

two years from the date the LCWSD takes over the operation of the installation. The bond amount shall be 35% of the actual or estimated cost of construction.

# LIABILITY INSURANCE

During the construction period, contractors shall procure and maintain, at their own expense, General Public Liability and Property Damage Insurance including vehicle coverage issued to the contractor protecting him from all claims for personal injury, including death, and all claims for destruction or damage to property arising out of or in connection with any operations covered by the contract documents, whether such operations are conducted by himself or any subcontractor under him, or anyone directly or indirectly employed by the contractor or by a subcontractor under him.

Insurance shall be written with a limit of liability not less than \$750,000 for each claim and \$1,500,000 for each occurrence. Contractors shall hold harmless, indemnify, and defend the LCWSD and each of its agents and each of their officers and employees from any and all liability claims, losses, or damages arising or alleged to arise from performance of the work described herein, but not including the sole negligence of the LCWSD or its representatives. Each policy or certificate shall bear an endorsement or statement waiving the right of cancellation or reduction in coverage without ten (10) days written notice being delivered by certified mail to the LCWSD.

#### **EASEMENTS**

Properly recorded easements 20 feet wide shall be recorded by the developer with the Flathead County Clerk and Recorder in the name of the LCWSD for all extended main line facilities. Proof of such recorded easements shall be provided to the District before any construction can begin on the section of sewer line in need of the easement.

# **VARIANCES AND APPEALS**

Should an application for service or any other problem arise in regard of the LCWSD's ordinances or these Service Standards, the applicant or affected party may appeal in writing within ten (10) days to the LCWSD Board of Directors and request a variance or appeal a decision by the manager.

The LCWSD Board of Directors shall review and make known their decision within thirty (30) days of receipt of the request.

# **DEVELOPER EXTENSION AGREEMENTS**

If a developer or property owner bears the costs of extending services and utilities, a *Developer's Extension Agreement* for a specified period not to exceed 15 years may be signed between the developer or property owner and the LCWSD. The *Developer's Extension Agreement* shall set forth the parcels of property that could connect to the extended main without further main extension or connect to the lift station without further modification of the station or the force main and specify the amount to be assessed to each parcel.

The late-coming customer shall pay the extender a pro-rata share of the main and/or lift station and necessary appurtenance costs, including design and inspection fees. The pro-rata share may be based on area, frontage, or combination thereof, equivalent users, or other means agreeable between LCWSD and the extender that is fair and equitable to both parties and the future customer. The late-

coming customer shall pay the amount assessed to that particular parcel directly to an escrow account or other depository account agreed upon and recorded in the *Developer's Extension Agreement*. The late-coming customer shall furnish the LCWSD proof of such deposit or payment at the time of application for sewer service for the parcel to be served.

# PRE-CONSTRUCTION CONFERENCE

Before commencement of line extension construction, a pre-construction conference will be conducted by the LCWSD and its engineer. Project ground rules will be disseminated, and individual responsibilities established at this meeting.

# **ROAD PERMITS**

A Flathead County Road Permit and/or Encroachment Permit or a Montana State Highway Department Encroachment Permit is required for all construction activity on or within the roadway right-of-way.

# OTHER INFORMATION AVAILABLE AT THE LCWSD OFFICE

- District Ordinances
- Plumbing Code
- Construction Specifications
- Montana Code Annotated (Water and Sewer Districts)
- Table of Rates and Fees

# POLICIES FOR EXTENSION OF SERVICES

The policies delineated hereunder are directed to implement the service extension plans and recommendations contained in the following services and by extension plans prepared for individual annexed territories. The policies are developed in four sections:

- General Policies
- Policies for Services in Undeveloped Areas
- Policies for Services in Developed Areas
- Policies for Meeting Costs of Services

#### **GENERAL POLICIES**

The following general policies shall be pursued for all properties proposed to be developed within or outside the boundaries of the LCWSD.

- 1. For all properties lying outside the boundaries of the LCWSD, petitions of annexation into the District or a waiver of the right to protest annexation must accompany all service permit applications.
- 2. For main line extensions and service area lift stations, LCWSD ownership of extended facilities is assumed at the end of a one-year warranty period following the completion of construction or the commencement of service, whichever is the latter.

- 3. For developments or subdivisions, a contract or *Service Agreement* may be required before commitment for service is obtained. *Service Agreements* define the terms and conditions of such commitment when system capacity availability issues are involved.
- 4. It will be the developer's or property owner's responsibility to construct or establish pump stations, sewer systems, and right-of-ways in accordance with the Extension of Services Plan, described herein, and LCWSD standards for design and construction, described in *Specifications for Lakeside, Montana Wastewater Treatment Facility, Conveyance, Treatment and Disposal Systems* (Morrison-Maierle, Inc., March 1987), or the equivalent thereof. Certain construction criteria are specified in the specifications included in this document.
- 5. The system shall be of adequate size and design to handle the requirements of the development. Where a development may create impacts requiring off-site improvements, such as at the treatment/disposal site and/or lift stations, the District may require the developer to wholly or partially bear the costs of such improvements. The same requirements apply to water system improvements, i.e., storage, supply, pressure.
- 6. The developer or builder will be responsible for installing a meter pit and pressure relief valve (PRV) when system pressures are at or exceed 85 psi.
- 7. All proposed extensions will require a written engineering report (see <u>Exhibit B</u>) along with appropriate fees to be delivered electronically to the District addressing the impacts on existing system components (see specifications).
- 8. Whenever a proposed development necessitates greater sewage capacity than the existing LCWSD lines can transmit, the developer or property owner shall, at their expense, construct facilities or additional lines to meet LCWSD standards and requirements. Any deviations shall be approved by the LCWSD Board of Directors and the District's Engineer.
- 9. The owner or owners of any undeveloped territory shall be responsible for the costs of preparing an extension of services plan.

# **EXTENSION OF SERVICE PROCESS**

- 1. <u>Developer Requests Service</u> plans for extension of services shall include a report describing all anticipated development in and around the area in question and any future service connections, as well as immediate needs. The report shall include a map or maps of the extended area and adjacent territory to show the following information:
  - present and proposed boundaries of the District;
  - present streets and other utilities and the proposed sewer and/or water line extension;
  - general land-use pattern in the area to be developed or annexed;
  - probable serving arrangement of future services connecting to the extended service line in question; and
  - wastewater flow capacity of the proposed extension.

2. <u>Plan Review</u> – LCWSD has contracted with an engineer to review all plans submitted for water and sewer main extensions, lift stations, wells, pressure systems, and related infrastructure (see <u>Exhibit B – Plan Review Fee Worksheet</u>).

To ensure compliance of these policies, all necessary engineering services related to any new replacement or remodel of the system components proposed to be owned and/or operated by LCWSD shall be reviewed by the District's Engineer. All costs related to the research, survey, design, construction, inspection, preparation of 'as-built' drawings, certification, and installation of sewer facilities shall be borne by the developer or property owner(s). Costs incurred by LCWSD related to the project, such as engineering or legal professional fees and applicable review fees, shall be added to the normal plant investment fees and inspection fees assessed the developer as determined by the ordinances of the District (see Exhibit B – Plan Review Fee Worksheet).

Once the District Engineer has reviewed the plans, LCWSD will inform the developer of any recommended modifications. LCWSD will issue a will-serve letter after any and all changes are agreed to and implemented (assuming available capacity).

If capacity is not available, LCWSD will deny the request or give the developer the opportunity to pay for or participate in the improvements needed to accommodate the request.

3. <u>Approvals</u> – Developer will inform LCWSD when County approval is obtained. Developer agrees to annex the proposed service area into the District and completes the Annexation documents, if necessary.

The developer will then complete the LCWSD Service Agreement and pay the Plant Investment Fees.

- 4. **Project Closeout** At the close out of any project that will be or is owned by LCWSD a close out document shall be prepared including but not limited to:
  - field notes, copy of the inspector's log;
  - 0 & M manuals:
  - certification of completion from design engineer;
  - three (3) blueprint copies of the "as-built" drawings;
  - one electronic copy of the "as-built" drawings in ACAD format;
  - lien release from all suppliers;
  - copies of all applicable bonds;
  - copy of the contract between LCWSD and contractor;
  - final walk through notes and items to complete;
  - any other project-related information;
  - copy of recorded easement; and
  - transfer agreement.

# POLICIES FOR SERVICE EXTENSION TO UNDEVELOPED AREAS (General Policy – Extension of Service Process Applies)

- 1. Each development shall be conceived as an integral part of the comprehensive services plan of the LCWSD. Therefore, any subdivision or development within the growth areas shall be designed and constructed in accordance with the LCWSD standards for design and construction.
- 2. Any subdivision or residential development proposed outside the LCWSD limits, but within the District's growth boundary, shall be reviewed and approved by the LCWSD Board of Directors and the District's Engineer. The LCWSD shall recommend to the Flathead County Health Department and the Montana State Department of Environmental Quality Water Quality Division the standards and improvements to be provided in such subdivision, in accordance with the services plan included herein.
- Where construction of a sewer system is being considered, the future drainage basin shall be established, and main lines sized for potential development based on zoning or probable use of the area.
- 4. It will be the developer's or property owner's responsibility to construct sewer lines of adequate size to handle projected wastewater flows.
- 5. The developer or property owner shall provide for all required improvements, including right-of-ways and roadways, at their own cost.

# POLICIES FOR SERVICES IN EXISTING DEVELOPED AREAS

1. In general, territories within the service or planning area with existing utilities and facilities shall be required to upgrade their improvements to conform with LCWSD standards for design and construction as a prerequisite to receiving new District services or any additional District services. The following policies shall apply to such situations.

Prior to making sewer services available to existing developed areas, the LCWSD may require a report describing the following:

- approximate year or period when the existing area was developed;
- location, size, and condition of existing sewer lines or system;
- condition and location of the existing sewer system including size, material, and grades of the sewer pipes, if any;
- size and location of existing right-of-ways and easements;
- type of surfacing condition and width of roadways;
- existing storm drainage into and out of the area; and
- existing system televised, at the owner's expense.

The report shall include the estimated cost to correct the deficiencies and improve the existing conditions to meet LCWSD standards. The report shall also include an estimated replacement cost of the physical plant that, after annexation, will be maintained and replaced by the LCWSD, together with the estimated life of each component based on District policy. The LCWSD may require such a report to be prepared by a professional engineer and reviewed by the District's Engineer. The cost of preparing the report shall be borne by the property owner(s).

- 2. If the property is to be annexed, the LCWSD *Ordinance of Annexation* shall specifically state the method, areas of responsibility, and time frame for bringing the existing conditions into compliance with the LCWSD standards for design and construction.
- 3. If LCWSD services are to be extended without annexation, the developer or property owner shall sign a waiver of right to protest future annexation and waiver to protest participation in the formation of any special improvement district that may be formed to improve the existing services, utilities, streets, and other such improvements.

# POLICIES FOR MEETING COSTS OF SERVICES

1. For the purpose of setting aside adequate funds to replace components of the physical plant, as per the *Policies for Services In Existing Developed Areas* above, the following shall be considered as the estimated life of the various components:

Structures: 50 yearsPipelines: 50 years

• Stationary equipment (motors, pumps, conveyors, blowers, etc.): 20 years

The amount to be set aside each year for replacement of the LCWSD utility system components shall be the cost of construction, if new, or the total estimated replacement cost divided by the number of years of estimated life remaining.

- 2. It shall be the developer's or property owner's financial responsibility to extend all utility lines from the existing LCWSD facilities to the affected property in accordance with service extension plans and the LCWSD standards for design and construction. It shall also be the responsibility of the developer or property owner to construct extended facilities to the boundaries of the affected property in such a manner that these can be extended into adjoining properties in the future without disturbing existing improvements or at a minimum provide easements in order to prevent obstruction of sewer access for said properties.
- 3. If the developer or property owner bears the cost of extending the services and utilities, a *Developer Extension Agreement* for a specified period, not to exceed 15 years may be signed between the developer or property owner and the LCWSD. The *Developer Extension Agreement* shall set forth the parcels of property that could connect to the extended main without further main extension or connect to the lift station without further modification of the station or the force main, and specify the amount to be assessed to each parcel.
- 4. The late-coming customer shall pay the extender a pro-rata share of the main and/or lift station and necessary appurtenance costs, including design and inspection fees. The pro-rata share may be based on area, frontage, or a combination thereof, equivalent users, or other means agreeable between LCWSD and the extender that is fair and equitable to both parties and the future customer. The late-coming customer shall pay the amount assessed to that particular parcel directly to an escrow account or other depository account agreed upon and recorded in the *Developer Extension Agreement*. The late-coming customer shall furnish the LCWSD proof of such deposit or payment at the time of application for sewer service for the parcel to be served.

- 5. If the LCWSD requires the customer or developer extending the sewer facility to install a larger size than required by LCWSD standards for that development, the LCWSD may pay the difference in cost between the larger line size requested by the LCWSD and the size of the line required by said standards.
- 6. The LCWSD reserves the right to further extend sewer mains installed by the preceding developer or property owner without paying compensation. The LCWSD also reserves the right to charge future sewer utility users beyond those areas outlined in the *Developer Extension Agreement*, if applicable, for their pro-rated share of the LCWSD cost for oversizing of the line. This in no way shall diminish the preceding developer or property owner's right to collect service line connection fees within the limits of a *Developer Extension Agreement*. Such pro-rated costs shall be based on the volume of flow contributed by the development for which the line was further extended, versus the volume of flow the oversized portion of the existing main could handle.
- 7. For properties outside the LCWSD limits, but desire LCWSD services, and provided these services are available to these properties, the monthly user's fee for use of LCWSD sewer shall be 125% of the fee for residents, until such time that the property is annexed into the LCSD.

These policies may be reviewed and revised by the LCWSD Board of Directors when deemed necessary.

# **ENCROACHMENT PERMIT REQUIREMENTS**

THIS PERMIT IS GRANTED IF THE FOLLOWING CONDITIONS ARE MET.

- 1. Brush and trees are to be removed from the County road right-of-way on each side of the encroachment for a distance of \_\_\_\_\_ feet (full length of property) and a setback of \_\_\_\_\_ feet from the shoulder of the road. This will facilitate improved roadway maintenance and safety.
- 2. Utility installations (cable, piping, etc.) within the County right-of-way must be buried a minimum depth of 36 inches below the ground surface within the County right-of-way. Utilities buried parallel to the road should be placed within 5 feet of the right-of-way line. Utility lines buried perpendicular to the road should cross at a 90-degree angle to the road. This will reduce the possibility of damage to the utility installation during routine roadway maintenance.
- 3. Trenching / Plowing non-shrink backfill material must be used to fill all trenches within the County right-of-way. Vibration and/or compaction may be required to fill voids in specific areas. This requirement will reduce the potential for future settlement of the trench backfill resulting in settled trenches across the roadway.
- 4. Gravel Roads a 6-inch layer of compacted crushed gravel must overlay the non-shrink backfill and be graded even with the original road surface.

#### 5. Paved Roads

a. Pavement must be saw-cut a minimum of 24 inches from each side of the trench prior to trenching. This will reduce the possibility of damage to the adjacent pavement during construction.

- b. Pavement must be replaced within 48 hours after the beginning of trenching. Replacement pavement shall consist of hot mix asphalt that matches the original pavement thickness or a minimum thickness of 3 inches, whichever is greater.
- 6. Pushing / Boring push pit areas within 5 feet of the shoulder of the road must be filled with non-shrink backfill. The remainder of the push pit must be filled with select material and compacted in 6- to 8-inch lifts to 95 percent of maximum density at the optimum moisture content. This will reduce damage to relatively new or good paved roads and road shoulders due to settlement.

For the exemption of this requirement, proof of extenuating circumstances not allowing pushing must be provided to the County Road Department.

- 7. All areas within the County right-of-way disturbed during construction must be re-seeded within 14 days. A 4-inch layer of topsoil must be spread over all disturbed areas of the right-of-way prior to re-seeding. Re-seeding will reduce the potential for growth of noxious weeds on the County right-of-way, as well as the adjacent private property.
- 8. The County Road Department must be contacted to schedule a post-construction inspection.

# **TESTING AND INSPECTION REQUIREMENTS**

#### EXTENDED FACILITIES ACCEPTANCE TESTING

Facility acceptance tests required by the LCWSD shall include but not be limited to air/water tests, deflection tests, and televised inspections.

# **TELEVISION INSPECTION REQUIREMENTS**

The LCWSD reserves the right to request and inspect all underground utility systems by the use of a television camera prior to final acceptance. The LCWSD will perform the initial inspection at no cost to the contractor. Any deficiencies shall be corrected at the contractor's expense. The cost of any sewer line cleaning or additional television inspection shall be billed to the contractor. The video tape verification of the inspection shall be held by the LCWSD and shall be the sole property of the District.

#### CONSTRUCTION INSPECTION

All development work designed by an engineer shall be certified and inspected by that engineer for conformance to plans and specifications. It is the contractor's responsibility to notify the LCWSD of the work requiring inspection at least 24 hours in advance so the LCWSD may schedule such inspection.

All installed utilities to be owned and/or operated by the LCWSD shall be inspected by the design engineer and or district engineer for 100 percent of the time the contractor is on the project site. All cost for the inspection time of the design engineer and district engineer shall be the responsibility of the contractor or developer.

# **LCWSD NEW SERVICE PERMIT**

253 Bierney Creek Road • Lakeside, MT 59922 • 406-844-3881 (For all new services or existing services changing use or volume discharge)

Date Applied For:	Date Meter Pic	cked Up:		Account:		
Applicants Name:				Tel. No		
Job Address:						
Billing Address:						
Property Owner if Differ	rent:					
Type of Service: Single	Family Multip	le Family		Commercial		
R	ight of Way - Flathead Co ight of Way - Montana De T State Plumbing - (supp	pt. of Highways _		Annexation Re	quired	
	REQUIRED	ITEMS			YES	NO
Developer Agreemen Meter Pit with PRV	neter, check valve, and shu t					
Type of Service:		SEWER FEES	WATE			<del></del>
1. Water meter Size:		<u>SEWER FEES</u>	WAILI	<u> </u>		
2. Permit & Inspection I		\$	\$			Payment Info.
3. System Development		\$	\$			Date:
4. Late Comer Fee		\$	\$			Ck. #:
5. Developer Agreemen	t	\$	\$			Amt.:
6. Water Tap Parts/Sup	plies, Water Meter	\$	\$			
7. Watts PRV		\$	\$			
Contractor's Name and A	Total Address	\$		Grand To		
	n File: Yes No_					
	ction: Performed By:					
Comments:						<u></u>
of bury is 18 inches. Completion of through Friday. <b>Provide sketch o</b> Warranty of installation is propert on file at the LCWSD office. All <b>Wa</b>	vidual <b>Sewer</b> connections shall utilize f line connection is subject to manda of service connection on back to slay owner/contractor responsibility. Inter services require a District standard for by the customer and the owner	tory inspection by LCW: now main line connecti Any person(s) performinate and meter pit arrangem	SD personnel d ion. All permits ng water and se ent with meter	uring regular busine s are the responsibili ewer excavation mus , backflow preventio	ss hours, 8-5 ty of the appl t have proof n device, and	Monday icant. of insurance curb stop

terminated services must be capped or plugged in an approved manner in order to prevent harm to the systems.

# **LCWSD**

# 406-844-3881

# SKETCH OF CONNECTION

		INSPECTION CHECK LIST:			
<ol> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> </ol>	Depth of Bury Connection Integrity Saddle & Tap Installation NO Galvanized Materials Proper bedding around main line				
OFFICE CHECK LIST:					
1. 2. 3.	Permit Issued Meter # Meter Brand				

# PETITION FOR ANNEXATION OF LAND TO LCWSD

	(is/are) the owner(s) of the following
described real property:	
Exact Legal Description as per Tax Statemen	t:
Assessor No.	
Directors of the Lakeside County Water & above, which land is contiguous to the curre property, the undersigned further gives co	nnotated, the undersigned hereby petitions the Board of Sewer District [LCWSD] to include the land described nt District. As the sole owner(s) of the above-described nsent to the inclusion of such land in the LCWSD and s, times, and places as shall be determined by the LCWSD
Dated:, 20	_
	·
based on the size of the water meter inst corresponding Volume Ratio Unit (VRU) or ½"=4, 2"=7.1 VRU's, etc.) VRU, Equivalenterchangeably within the ordinances of the (more living units, commercial use, etc.)	water and/or sewer service allows for service capacity alled to measure consumption (3/4", 1", 2", etc.) and multiplier of minimum service size (3/4"=1, 1"-1.8; 1 lent Dwelling Unit (EDU), and multiplier are used the District. Future increases in capacity requirements for property specified here is subject to all fees and f change of use. "Capacity" is of no pertinence when ontiguity between parcels.
State of Montana County of Flathead	
Montana, personally appeared	, 20, before me, a Notary Public for the State of, known (is/are) subscribed to the foregoing instrument as the ne that he/she/they executed the same.
In Witness Thereof, I have hereunto set my h certificate last above given.	and and affixed my Notarial Seal the day and year in this
	Notary Public for the State of Montana Residing at
	My Commission expires

# LABOR AND MATERIAL PAYMENT BOND

# (This bond is issued simultaneously with Performance Bond in favor of the Owner conditioned on the full and faithful performance of the Contract)

KNOW ALL MEN BY THESE PRESENTS: that
as Principal, hereinafter called Contractor, and,
as Surety, hereinafter called Surety, are held and firmly bound unto
as Obligee, hereinafter called Owner, in the amount of
Dollars (\$),
for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.
WHEREAS, Contractor has by written agreement dated20, entered into a
contract with Owner for
in accordance with Drawings and Specifications prepared by
, which contract is by reference made a part
hereof, and is hereinafter referred to as the Contract.
NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Contractor shall promptly make payment to all claimants as hereinafter defined, for all labor and material used or reasonably

shall remain in full force and effect, subject, however, to the following conditions:

1. A claimant is defined as one having a direct contract with the Contractor or with a Subcontractor of the Contractor for labor, material, or both, used or reasonably required for use in the performance of the Contract, labor and material being construed to include that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental or equipment directly applicable to

required for use in the performance of the Contract, then this obligation shall be void; otherwise it

2. The above named Contractor and Surety hereby jointly and severally agree with the Owner that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant's work or labor was done or performed, or materials were furnished by such claimant, may sue on this bond for the use of such claimant, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon. The Owner shall not be liable for the payment of any costs or expenses of any such suit.

the Contract.

- 3. No suit or action shall be commenced thereunder by any claimant;
- a) Unless claimant, other than one having a direct contract with the contractor, shall have given written notice to any two of the following: The contractor, owner, or surety above named, within ninety (90) days after such claimant did or performed the last of the work or labor, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished, or for whom the work or labor was done or performed. Such notice shall be served by mailing the same by registered mail or certified mail, postage prepaid, in an envelope addressed to the contractor, owner or surety, at any place where an office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the state in which the aforesaid project is located, save that such service need not be made by a public officer.
- b) After the expiration of one (1) year following the date on which contractor ceased work on said contract, it being understood, however, that if any limitation embodied in this bond is prohibited by any law controlling the construction hereof such limitation shall be deemed to be amended so as to be equal to the minimum period of limitation permitted by such law.
- c) Other than in a state court of competent jurisdiction in and for the county or other political subdivision of the state in which the project, or any part thereof, is situated, or in the United States District Court for the district in which the project, or any part thereof, is situated, and not elsewhere.
- 4. The amount of this Bond shall be reduced by and to the extent of any payment or payments made in good faith thereunder, inclusive of the payment by surety of mechanics' liens that may be filed of record against said improvement, whether or not claim for the amount of such lien be presented under and against this Bond.

Contractor	(Seal)
Title	
Surety	(Seal)
Title	
(Resident Agent)	

# PERFORMANCE BOND

(Name of Contractor)
(Address of Contractor)
ahereinafter called Principal,
(Corporation, Partnership, or Individual)
and
(Name of Surety)
(Address of Surety)
hereinafter called Surety, are held and firmly bound unto
(Name of Owner)
(Address of Owner)
hereinafter called Owner, in the penal sum of Dollars, (\$)
in lawful money of the United States, for payment of which sum well and truly to be made, we bin
ourselves, successors and assigns, jointly and severally, firmly by these presents.
THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certai
contract with the Owner, dated the day of, 20, a copy of which is heret
attached and made a part hereof for the construction of:

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the Owner, with or without notice to the Surety, and during the one-year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the Owner from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense that the Owner may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the contract or to work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligation on this Bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the contract or to the work or to the specifications.

PROVIDED, FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary thereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is exdeemed an original, this day of	ecuted in counterparts, each one of which shall be, 20
ATTEST:	
(Principal) Secretary	By
(SEAL)	
(Witness as to Principal)	(Address)
ATTEST:	
(Surety) Secretary	By (Attorney-in-Fact)
(SEAL)	
Witness as to Surety	(Address)

**NOTE:** Date of Bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute Bond.

**IMPORTANT:** Surety companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located.

# SERVICE AGREEMENT

(Example)

# LAKESIDE COUNTY WATER & SEWER DISTRICT

This Agreement between the LAKESIDE COUNTY WATER & SEWER DISTRICT (LC hereinafter referred to as DISTRICT or LCWSD, and, here referred to as DEVELOPER or LANDOWNER;	CWSD), einafter
WITNESSETH:	
WHEREAS, the DEVELOPER desires sewer and/or water service from the DISTRICT and the mutual benefit of the DISTRICT and the DEVELOPER to provide an extended sewer and/or main to the residential property owned by the DEVELOPER and others generally described as Subdivision, located in Flathead County.	r water s the
Lakeside, Montana. The purpose of this Agreement is to establish procedures for further plaquote fees, and provide for a commitment to serve the proposed subdivision. The financial expressed in this Agreement are good through After that date, the nu expressed herein may be revised, as established by the LCWSD Board of Directors' action;	anning, l terms
NOW, THEREFORE, in consideration of the mutual covenants herein contained, the pathis Agreement do hereby agree as follows:	rties to
1. <u>SEWER AND/OR WATER MAIN EXTENSION</u> : DEVELOPER shall construct a sewer and/or	r water

- main extension to and within the subdivision mentioned herein. All new facilities destined for LCWSD ownership and ongoing maintenance shall be identified on all drawings and is described as the extended sewer and/or water main and all its appurtenances. New sewer and/or water district boundaries shall be identified on all maps. Extension of sewer and/or water must be to LCWSD specifications, with LCWSD engineer approval, prior to construction.
- 2. <u>COLLECTION SYSTEM</u>: DEVELOPER shall construct a collection system in the subdivision as defined under "*Initial Service Area*" below. Landowners shall, at their expense, install and maintain all sewer and/or water service lines from DISTRICT's main line to each building. Such installations by the DEVELOPER must meet the DISTRICT's ordinance specifications. All collection and service lines will be of a "conventional" sewer and/or water system unless otherwise approved by the District Manager.
- 3. <u>SERVICE</u>: The DISTRICT shall furnish sewer and/or water service to DEVELOPER subject to the limitations and agreements set forth below and subject to its rules, regulations, and policies for service now in force or as hereafter amended.
- 4. <u>FEES</u>: For permission to secure capacity for this subdivision, DEVELOPER must pay all District latecomers fees or system development fees, as set forth herein and as may be changed from time to time (see below), for Phase One of the proposed subdivision, to the DISTRICT according to the following schedule:

- A. Plant Investment Fee (assume one equivalent user per lot):
  - 1) Latecomers pro-rata share of LCWSD basic sewer system Back Capital Costs within "initial service" area (the 1987-88 initial community sewer project, locally financed portion)

(Due and payable at the time of signing this Agreement: \$2,081.00 per Equivalent User)

2) System Development Charges for each of the Phase 1 lots, over and above the latecomers' fee, intended to cover the costs to expand the sewer system.

(Due and payable at the completion of the LCWSD service permit): \$ 4,162.00 per Equivalent User)

Subsequent fees will be determined and could escalate periodically based on a variety of factors.

5. <u>PROPERTY SERVED</u>: The DISTRICT shall furnish sewer and/or water service to DEVELOPER for the following described property, also known as Phase One of the proposed subdivision:

Initial Service Area: (All occupied structures in the initial service area will connect to the extended system.)

<u>(Name c</u>	of Subdivision / Project	<u>:)                                    </u>
Lot No.	Lot No.	Lot No.
<del></del>		
Total Annex	ing Parcels or T	racts:

Future Service Area: Other parcels not listed above require prior approval by LCWSD and may require an engineering report evaluating LCWSD system impacts.

6. <u>EXPIRATION PERIOD</u>: This Agreement is for five (5) years. If Phase One of the proposed subdivision is not completely built out within five (5) years of the signing of this Agreement, the DEVELOPER forfeits all prepaid fees and assessments paid to the DISTRICT and capacity commitments are available for re-allocation by the DISTRICT.

# **GENERAL REQUIREMENTS**

- 1. <u>ANNEXATION REQUIRED</u>: All property served by the LCWSD system must be annexed into the DISTRICT. Annexation requests will be considered on the basis of system capacity availability.
- 2. <u>BILLING ENTITIES</u>: One billing entity will be established for each Equivalent User.
- 3. <u>HOLD HARMLESS</u>: The LANDOWNER agrees to hold the DISTRICT free and harmless from any and all liability regarding the LANDOWNER lines or regarding the LANDOWNER hooking to the DISTRICT's lines and will indemnify the DISTRICT for any damages caused to the DISTRICT or any of the DISTRICT's property or any third party who makes claims against the DISTRICT. This indemnification and hold harmless clause is intended to be broad in scope and all encompassing. This indemnification and hold harmless extends to the governing board of the DISTRICT, the DISTRICT's Manager or employees, as well as to the DISTRICT itself.
- 4. AGREEMENT TO ENCUMBRANCE: The LANDOWNER specifically agrees that this Agreement shall constitute an encumbrance on the land described above, and this encumbrance shall run with the land and be binding upon subsequent purchasers, assignees, heirs, or any other persons or entities coming into possession of the lands as described above during the term of this Agreement. The DISTRICT will record this Agreement with the Flathead County Clerk and Recorder, but failure of the DISTRICT to so record this Agreement with the Flathead County Clerk and Recorder shall not void the binding effect of this Agreement on subsequent purchasers or subsequent mortgagees. The LANDOWNER has the duty and burden of informing subsequent purchasers, heirs, assigns, mortgagees, or others obtaining an interest in the land of this Agreement.
- 5. <a href="INGRESS">INGRESS</a> AND EGRESS: LANDOWNER grants permission to the DISTRICT to enter LANDOWNER's property to make reasonable inspections as the DISTRICT deems necessary and for purposes of repairs, maintenance, operation, replacement, removal, and inspection of DISTRICT lines and service lines. LANDOWNER further agrees that LANDOWNER will not build structures on or over any DISTRICT-owned lines and, in the event of any structure on or over said line, the DISTRICT will have the right to remove said structures at LANDOWNER's cost and the DISTRICT has no obligation to repair or replace said structures.
- 6. <u>DESIGN</u>: The DISTRICT shall have the authority to determine the location and design of any service line connected to its collection system. LANDOWNER shall not make any connection or extension on LANDOWNER's service line for the purpose of supplying sewer service to any other building or land. Each residence shall have its own sewer service line and separate connection to the sewer main.
- 7. <u>DEBT REPAYMENT</u>: In addition to the fees for use, the LANDOWNER may be required, through the Monthly User Fee as determined by the LCWSD Board, to make adjusted payments brought about by increased operation and maintenance costs and construction costs relative to system capacity needs. Parties requesting annexation into the DISTRICT agree that in the event revenues of the DISTRICT are inadequate to pay for operations, maintenance, and debt costs, the DISTRICT has the option to assess lands within the DISTRICT to meet those commitments.
- 8. <u>DEFAULTS</u>: In the event of non-payment or default in any term of this Agreement, the DISTRICT may terminate services or enforce payment or enforce DISTRICT rules and regulations using the appropriate court systems. The LANDOWNER specifically agrees that the DISTRICT may elect to

- have any delinquent charges for sewer service collected as a tax against the real property described above, per MCA 7-13-2301.
- 9. <u>LITIGATION</u>: In the event legal proceedings are instituted to enforce payment or other provisions of this Agreement, the prevailing party shall be entitled to a reasonable attorney fee, as well as costs and disbursements.
- 10. <u>QUALITY OF SEWAGE</u>: Standards for the quality and content of normal residential wastewater are specified in the ordinances of the DISTRICT. Meeting those standards and ensuring effective effluent odor controls are the sole responsibility of the DEVELOPER or his successors.
- 11. <u>EASEMENTS</u>: Properly recorded easements, 20 feet wide shall be recorded by the DEVELOPER with the Flathead County Clerk and Recorder in the name of LCWSD for all extended main line facilities. Proof of such recorded easements shall be provided to the DISTRICT before wastewater flows begin.
- 12. <u>POLICY FOR EXTENSION OF SERVICES</u>: Nothing in this Agreement supersedes or nullifies any of the "*Policies For Extension Of Services*" or ordinances of the DISTRICT.
- 13. <u>WATER METER REQUIREMENT</u>: Each structure that connects to this extended system shall, at their expense, install a water meter with an external/remote reader that meets DISTRICT standards. The Developer or Builder shall install a meter pit with a pressure relief valve (PRV) when system pressures are at or exceed 85 PSI.
- 14. <u>WARRANTY PERIOD</u>: Responsibility for all maintenance, repairs, inflow and infiltration problems, and/or any other condition requiring corrective action will remain with the DEVELOPER for one (1) year from the time of the first service connection to the newly extended main line. Following a successful final inspection after the warranty period, LCWSD will assume ownership of the extended main line and all operations and maintenance responsibilities. Before final inspection is complete, DEVELOPER will provide DISTRICT with cost breakdown of main line installation.

#### **DEFINITIONS**

- 1. "Agreement" shall mean this extension agreement.
- 2. "Design Area" shall mean and include those parcels of land described herein and reflected on the maps and plans of the water and sewer service main line extensions.
- 3. "District Lines" will mean all existing main lines owned by the DISTRICT and any similar lines being extended by the DEVELOPER to be owned by the DISTRICT at the end of the warranty period.
- 4. "Equivalent Dwelling Unit" (EDU) equates to one average single-family residence or 3/4" water meter.
- 5. "Expanded Capacity" shall mean 1) all <u>out-of-district</u> service requests and/or 2) <u>in-district</u> service requests exceeding allocated parcel capacity of one EDU per one half acre. NOTE: "Out-of-district" refers to all parcels located outside the current District boundaries.

6.	"Extended Sewer Main" shall mean those sewer mains and appurtenances from the existing sewer mains located			
7.	"Extended Water Main", similarly, shall mean the water mains serving this subdivision from the point of interface with existing DISTRICT mains.			
8.	"Impact Fee" is the portion of Plant Investment Fees required in order to secure requested sewer system capacity.			
9.	"Initial Cost" shall mean and include all costs related to the design, construction, and installation of the extended sewer mains.			
10.	"Initial Service Area" is described as			
11.	<u>"</u> Latecomer" shall mean any entity connecting directly to the extended water and sewer mains.			
12.	"Plant Investment Fee" is a variable fee (over time) intended to recover an EDU's pro-rata share of the capital cost for the construction and provisioning of the water and sewer systems. This fee is reviewed bi-annually by the DISTRICT Board of Directors for appropriate application.			
13.	"Sewage," "Effluent," and "Wastewater" are used interchangeably.			
14.	"Structure" shall mean buildings in which plumbing fixtures are installed and have drainage thereon.			
	IN WITNESS WHEREOF, the parties hereto have executed this Agreement this day of, 20			
AT'	ГЕSTED: BY:			
	LAKESIDE COUNTY SEWER DISTRICT			
AT'	TESTED: BY: DEVELOPER			

# **DEVELOPER EXTENSION AGREEMENT**

# LAKESIDE COUNTY WATER & SEWER DISTRICT

	This Agreement made and entered into this day of
	WITNESSETH:
as_	WHEREAS, it is to the mutual benefit of the DISTRICT and the DEVELOPER to provide an ended sewer main and an extended water main for property owned by the DEVELOPER described, a subdivision located near Lakeside ntana; and
cos	WHEREAS, the parties to this Agreement desire to provide for the collection of the expenses and its of the extended sewer main, the extended water main, and the storm sewer installation on the ;
thi	NOW, THEREFORE, in consideration of the mutual covenants herein contained, the parties to s Agreement do hereby agree as follows:
	<u>DEFINITIONS</u>
1.	"Agreement" shall mean this Developer Extension Agreement.
2.	"Design Area" shall mean and include those parcels of land shown on Exhibits, attached hereto and incorporated herein by this reference.
3.	"Extended Sewer Main" shall mean that sewer main and appurtenances extending from the existing sewer main located in, beginning at the
4.	"Gravity Service Area" shall mean the parcels of land that are to be served by the Extended Sewer Main, shown as Exhibit
5.	"Lift Service Area," as shown on Exhibit, shall mean the parcels of land that would contribute sewage to the Extended Sewer Main via a tentative lift station and force main. Said lift station and force main are not included in this Agreement.
6.	"Extended Water Main" shall mean that water main and appurtenances extending from the existing water main located nearest, to the end of the new water extension as shown on Exhibit
7.	"Water Service Area" shall mean the parcels of land that are to be served by the Extended Water Main as shown on Exhibit

8.	"Latecomer" shall mean the entity contributing sewage to the Extended Sand/or who did not share in the initial	Sewer Main, receiving water from	the Extended Water Main,
9.	"Initial Cost" shall mean and include and Water Main, which shall consist o		
10.	"Entity" shall mean an owner's specifi shall mean the owner of each dwellin	<del>-</del>	, attached, and
11.	"Escrow Agent" shall mean fee and from which disbursement is r	, whereto the Lateconade to the DEVELOPER.	omer pays the stipulated
	<u>PER</u>	IOD OF AGREEMENT	
est Up	This Agreement shall be in effect for a in and Water Main and installation ablished as The on the termination of this Agreement ecomer fees.	of the storm sewer. The date erefore, the termination date shall	of completion is hereby be
	During the period of the Agreement side the service areas, shown on Exhibiter Main and to the Extended Water M	oits to c	onnect to the Extended
		INITIAL COST	
Ext	The DEVELOPER shall pay an initiatended Water Main. The initial cost is		ded Sewer Main and the
	EXTENDED SEWER M	AIN	
	Total Service Area:		_
	Total Cost:		_
	Cost Per Acre:		_
	Gravity Service Area:	_	_
	Tract	Area In Acres	Established Fee
	SUBTOTAL - Gravity Service Area:		_

Lift Service Area:		<del>_</del>
<u>Tract</u>	Area In Acres	Established Fee
SUBTOTAL - Lift Service Area:		
SUBTOTAL - LIIT SELVICE AFEA.		<del>_</del>
TOTAL:		_
EXTENDED WATER MA	IN	
Total Service Area:		_
Total Cost:		_
Cost Per Acre:		_
<u>Tract</u>	Area In Acres	Established Fee
TOTAL:		_
The above established fees shall be in this Agreement.	creased 13 percent on each 12-n	nonth anniversary date of
<u>GUARAN</u>	ΓΕΕ AND MAINTENANCE	
The DISTRICT shall maintain the according DEVELOPER shall replace or repair any dyear after the foregoing completion date.		
	DISTRICT FEES	
The DISTRICT shall receive payment with the DISTRICT rate schedule.	for establishing usage and conn	ecting fees, in accordance
<u>ESTABLISI</u>	HING AN ESCROW AGENT	
The DEVELOPER shall pay all costs in	establishing and maintaining th	e escrow account.
<u>LATECOM</u>	ER'S FEE TO DEVELOPER	
With the exception of Tracts		which are lots

owned by the DEVELOPER and were the cause of the Extended Sewer Main and Extended Water

Main, the DISTRICT shall not issue any permits for connection to the Extended Sewer Main or the Extended Water Main, or any connection that will contribute to the Extended Sewer Main or receive water from the Extended Water Main, or any entity that shall contribute to the Storm Drain, or permits to allow any curb cuts to an entity, unless said entity presents a receipt evidencing payment of the fees required herein from the escrow agent to the DISTRICT at the time the entity makes application for a permit to connect, nor will the DISTRICT allow any properties in the Gravity Service Area, Lift Service Area, and/or Water Service Area to be connected without paying the latecomer's fee included herein. Latecomers that must extend the main lines beyond this subdivision, in the future, are not subject to the DEVELOPER reimbursement terms contained herein.

IN WITNESS WHEREOF, the pabove written.	parties hereto have e	xecuted this Agreement the day and year firs
ATTESTED:	BY: _	LAKESIDE COUNTY SEWER DISTRICT
ATTESTED:	BY: _	DEVELOPER

# PRE-CONSTRUCTION CONFERENCE

# LAKESIDE COUNTY WATER & SEWER DISTRICT

DA	ГЕ			<u> </u>		
TIM	1E			_		
LOC	CATIO	N		_		
1.	ORO	GANIZATION REPR	RESENTATIVES		Phone No.	Present
	A.	Owner / Develo	per			
	B.	Lakeside County	Water & Sewer District			
	C.	Project Manager	•			
	D.	Principal Engine	er			
	E.	Project Engineer	•			
	F.	Contractor				
	G.	Contractor's Sup	erintendent			
	Н.	<b>Utility Contacts</b>				
					-	
				<del></del>		
				<del></del>		
2.	CON	NTRACT				
	A.	Properly execute	ed			
	B.	Labor & Materia	l Payment Bond			
	C.	Performance Bo	nd			
	D.	Insurance				
	E.	Contract Amoun	t			
	F.	Contract Time				
	G.	Notice of Award				
	Н.	Notice to Procee	d Date			
	I.	Start Work Date				
	J.	Completion Date				
	K.	Liquidated Dama	ages			
	L.	Lien Releases:	Performance			
			Supplies			

#### 3. RESPONSIBILITIES OF PARTIES

# A. CONTRACTOR

- 1. Construct project in accordance with contract documents.
- 2. Supervise all work crews and subcontractors.
- 3. Ensure safety of all workers on site in accordance with OSHA Regulations.
- 4. Notify all utility companies, in writing, and request locations of utilities prior to starting project work.

#### B. ENGINEER

- 1. Observe construction and provide quality assurance.
- 2. Interpret contract documents.
- 3. Advise owner on contract matters.
- 4. Review and certify monthly pay requests and any change orders.

# C. LAKESIDE COUNTY WATER & SEWER DISTRICT

- 1. Observe construction and inspection.
- 2. Consult with project engineer.
- 3. Supervise testing requirements.
- 4. Provide warranty inspection and acceptance.

#### D. OWNER

- 1. Payment in accordance with contract documents.
- 2. Contract signatory and final decision on contractual matters.

#### E. COMMUNICATIONS

1. To and from contractor shall be through the engineer.

# 4. SUBMITTALS

#### A. CONSTRUCTION SCHEDULE

- 1. Typewritten memo or bar chart.
- 2. Review and update requirements in Supplemental General Conditions.

# B. SHOP DRAWINGS

- 1. Master list with schedule.
- 2. Submitted by prime contractor only.
- 3. Operations and maintenance information.
- 4. To be submitted in copies of five (5).

(	C.	LIST OF SUBCONTRACTORS
Ī	UTIL	ITY LOCATIONS AND COORDINATION
]	EASI	EMENTS AND SITE ACCESS
,	TRA)	FFIC PLAN
1	A.	To be submitted by Contractor and reviewed by engineer.
	В.	Coordination of essential services and notification procedure shall be the responsibility of the contractor (law enforcement; fire; ambulance; school bus; road reports).
(	C.	Truck routing.
]	MAT	ERIAL DISPOSAL AND CLEAN-UP
1	A.	Disposal site(s) identified.
]	B.	Written permission of property owner provided to grantee.
(	C.	Daily clean-up.
]	D.	Wetlands cannot be filled on private or public property.
]	MAT	ERIALS STORAGE
1	A.	Location.
]	B.	Written permission by owner.
(	C.	Secured.
]	D.	Prior to payment, conform to shop drawings and O&M information provided.
]	PERI	MITS
	A.	Building (local and State may be required)
]	B.	Construction de-watering – WQ
(	C.	310 Permit: County Conservation District
]	D.	124 Permit: Fish, Wildlife & Parks

	E.	Floodplain: local floodplain authority
	F.	State blasting permit
	G.	Road encroachment permit(s):
		• County
		• State
		• Private
10.	PRO	OGRESS MEETINGS AND REPORTS
	A.	Project Engineer, Inspector, Contractor, Lakeside County Water & Sewer District, and Owner <i>Bi-monthly report by Engineer</i> .
	B.	Schedule <i>Updated weekly</i> .
12.	DAV	MENT
14.	A.	Monthly estimate preparation.
	В.	Cut-off date:
	С.	Invoices for materials in storage: <i>Documented with paid invoice.</i>
	D.	Certified payrolls: Submittedto
	E.	Retainage:
	F.	Lien releases from suppliers to Lakeside County Water & Sewer District.
13.	DAV	TROLLS
13.	A.	Wage Decision No.:
	л. В.	Payrolls checked by:
	Б. С.	Subcontractor compliance is responsibility of prime Contractor.
	D.	Superintendent and owner-operators shown on payroll.
	E.	Certified by grantee at completion.
	F.	Overtime provisions (overtime over 40 hours per week).
14.	CHA	ANGE ORDERS
	A.	All contract change orders in writing.
	B.	Cost breakdown, negotiation, and engineer's estimate (if no unit prices).
	C.	Stop and start work in writing (recommend no-cost change order).
15.	REC	ORD DRAWINGS (AS-BUILTS)
	A.	Contractor's responsibility: One copy delivered to
	With B.	nin days of project completion.  Withhold final payment until received.
	Б. С.	Three (3) copies of drawings to Lakeside County Water & Sewer District.
	u.	The copies of drawings to baneside dounty water & bewer bistrict

	A.	Control stake-out: Completed / To Be Completed.			
	B.	Job stake-out: Completed / To Be Completed.			
17.	TES	TESTING			
	A.	Payment: Passing tests paid by Contractor.			
	B.	Tests requiring Engineer's observation: Compaction, Deflection, Air, Hydraulic, Television.			
	C.	Re-test payment: Paid by Contractor.			
	D.	Laboratory/Company:			
	E.	Contractor to submit proctor test for all fill material.			
	F.	Final acceptance tests: Pressure Test, Hydrostatic Test, Televised Inspection.			
18.	SAF	ETY			
	A.	Trenching practices: In accordance with OSHA.			
	B.	Hard hats: Required at all times on job site.			
	C.	Weekend clean-up: Close pits or properly sign.			
	D.	Engineer to notify appropriate government agency of serious or frequent violations.			
19.	TEM	TEMPORARY SERVICES			
	A.	Field office with telephone.			
	B.	Toilets.			
	C.	Water.			
	D.	Electricity.			
20.	LOC	AL CONDITIONS			
	A.	Work hours.			
	B.	Dust, noise, and burning.			
	C.	Public safety.			
21.	PRC	JECT SIGN			
22.	POSTINGS				
23.	OTH	IER ITEMS			
Dror		by			
rich	ai Eu	Oy			

16. STAKING

## SPECIFICATIONS FOR SEWER AND WATER LAKESIDE COUNTY WATER & SEWER DISTRICT

### **SEWER COMPONENTS**

**GRAVITY SEWER LINE** 8" SDR 35 PVC (min.)

FORCEMAIN SEWER LINE 4" HDPE SDR 15 (min.)

SERVICE LINE (GRAVITY) 4" SDR 35 PVC (min.)

SMALL DIA. FORCEMAIN

**SERVICE** 2" HDPE SDR 15 (min.)

FORCEMAIN TIE-IN SADDLE Romac saddle style 202 N nylon w/

stainless steel straps or approved equal

FORCE MAIN TIE-IN VALVE MULLER 300 ball corp valve or

approved equal

4" SDR 35 PVC (min.)

SERVICE LINE (GRAVITY)

SMALL DIA. FORCEMAIN

**SERVICE** 2" HDPE SDR 15 (min.)

**GRAVITY SEWER TIE-IN** Romac CB Saddle

Inserta Tee

**WATER COMPONENTS** 

**GATE VALVE** Mueller resilient wedge gate valve

12" and under, A2362

MUELLER METER PIT Part #203CS1572FSBSN -3/4-inch Meter

COMPOSITE METER PIT LID Part #311954 - 15"; Part #311955 - 18"

MUELLER METER PIT

Part #203CT1872FSAS000718N - 18" x 72" with coil.

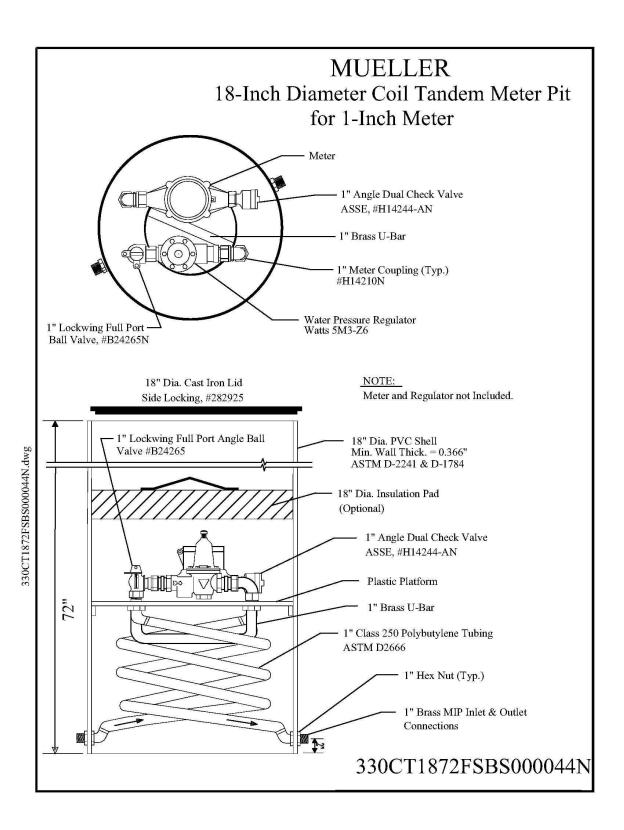
WITH COMPOSITE LID & PRV plumbed for 5/8" x 3/4" meter and 3/4" PRV with 5/8" x 3/4"

meter threading and lay length (see illustration on next page)

WATTS PRV - 3/4" WATTS - LF5M3-Z6

TAPPING VALVE Mueller resilient seat tapping valve

TAPPING SADDLE Power Seal Stainless Steel Model 3490AS



VALVE BOXES	Tyler 6860 Series DD - screw type #6 Base for water				
CORPORATION STOPS	Mueller H-15026 Mueller H-15008 Mueller B-25008N Mueller H-15013 Mueller B-25000 Mueller B-25005N	3/4" & 2" 1-1/2" & 2"	CC x 110		
SERVICE SADDLES	Smith Blair Model 371 Smith Blair Model 372 Romac Model 304 (sin Romac Model 306 (do Romac Model 305 - 10 Mueller Brass H13000	2 4" - 12" Igle bolt) - 2" - 1 Iuble bolt) – 2" - 1" - 32"			
SERVICE PIPE	Main to Building 1. PE Pipe (IPS) 2. PE Tube (CTS)	•	à 1" ' & 2" (200 PSI)		
CURB STOP	Mueller H-15209 Mueller B-25209N Mueller H-15172 Mueller B-25172N Mueller B-25204 Mueller H-15213N Mueller B-20283N Mueller H-10314 w/st Mueller H-10334 or A	3/4" - 2" 3/4" - 2" 3/4" - 2" 3/4" - 1" 3/4" - 2" tationary rod o	COP x Inst Inst x Inst FIT x FIT		
ADJUSTABLE RISERS	Tyler 64-A 7 65-B				
COUPLINGS	Solid sleeve - Ductile iron - Romac 501 or equal				
JOINT RESTRAINT	Megalug 2000 with thrust blocking				
FIRE HYDRANT	Mueller Super Centuri	on 200, 5-1/4",	, 3-way		
MANHOLE F/C	Inland Foundry Model 771 B = Ball valve H = Ora seal				

### CONSTRUCTION SPECIFICATIONS

### SANITARY SEWER SYSTEMS

Sanitary sewer systems shall be designed, constructed, and tested in accordance with the current editions of the State of Montana Water Quality Standards, Construction Specifications - Lakeside County Water & Sewer District, and Montana Public Works Standard Specifications.

In addition, the following shall apply to the design of all sanitary sewers.

### **Gravity Sewers**

A written report shall assess the ability of the existing collection and conveyance system to handle the peak design flow from the project and the impact on the wastewater treatment site.

### **Sewage Lift Stations**

A written report shall be submitted for any project that will create a new sewage lift station or will contribute to an existing sewage lift station. The report for a <u>new</u> sewage lift station shall contain, but not be limited to, the following:

- 1. description of the proposed wet well, pumping station, and force main;
- 2. capacity of the recommended pump and potential for upgrading;
- 3. map showing the potential lift station service area (service area beyond the initial installation);
- 4. average and peak design flows for the proposed project and potential service area;
- 5. hydraulic capacity of the force main;
- 6. reserve capacity of the lift station when the proposed project is on-line at full capacity;
- 7. pump run and cycle times for the average and peak design flows;
- 8. strategies for improvements that may be necessary to accommodate future sewer extensions, i.e., increased storage, pumping or auxiliary power capacity;
- 9. statement of the pump selection process including the engineer's calculations for the total dynamic head, total discharge head, net positive suction head, and other pertinent pump selection criteria; and
- 10. designed pump operating curve plotted on a manufacturer's pump performance chart with the designed operating point clearly identified.

The report for a project that will contribute to an <u>existing</u> sewage lift station shall contain, but not be limited to, the following:

- 1. description of the existing wet well, pumping station, and force main;
- 2. capacity of the existing pumps and potential for upgrading;
- 3. map showing the potential lift station service area;
- 4. list of the existing users and their average design flows;
- 5. existing peak design flow and reserve capacity;
- 6. pump run and cycle times for the existing average and peak design flows;
- 7. hydraulic capacity of the force main:
- 8. list of the proposed users and their average design flows;
- 9. proposed average and peak design flows to the lift station;

- 10. reserve capacity of the lift station with the proposed project on-line at full capacity;
- 11. pump run and cycle times for the proposed average and peak design flows; and
- 12. recommendations for improvements, if necessary, to enable the lift station to serve the proposed project.

Unless otherwise approved by the District's Engineer, the **pumping system** shall be of the above-ground, self-priming, suction lift type, capable of passing a three-inch solid. The pumps shall be manufactured by the Gorman Rupp Company or an approved equal. An emergency power supply will be required for all lift stations. The LCWSD reserves the right to accept or reject the proposed lift station, based on the finding from three different sources. The sources shall be from Montana, Idaho, or Wyoming.

An **alarm system** shall be provided that is capable of detecting power interruption, phase failure, high water, and high motor temperature conditions. The alarm signals shall be directed to an on-site alarm monitoring and telemetry system. The alarm monitoring and telemetry system shall be a Mission Communications Scada. An hour meter and discharge pressure gauge are required on each pump. Amperage meters need to be capable of reading each leg of the electrical wiring to the pumps.

**Cathodic protection** is required for all lift stations having a metallic exterior. The District's Engineer shall submit an analysis of the amount of cathodic protection required.

### **Excavation within the Public Right-of Way**

Unless otherwise approved by the District Engineer, all excavated materials shall be immediately loaded into trucks, removed from the site, and disposed of by the contractor. Excavated materials shall not be stockpiled on site. Native materials shall not be used for backfilling unless approved by the District Engineer. Trench backfill within the public right-of-way shall provide uniform gradation mixture in accordance with the requirements of the current edition of the Montana Public Works Standard Specifications (MPWSS).

### **Minimum Pipe Size**

The minimum diameter of any gravity sanitary sewer main shall be eight inches.

### **Sanitary Sewer Service Lines**

Structures containing two or more residences and offices or businesses that are rental units under common ownership may have one service line for all occupants within a single structure, assuming building and plumbing code compliance.

## **Quality of Sewage**

No development shall introduce any sewage into the LCWSD Sewer System that is not consistent with the requirements of the LCWSD Ordinances or as subsequently amended.

### **Pretreatment Requirements**

Grease, oil, and sand interceptors shall be provided when, in the opinion of the District Manager, they are necessary for the proper handling of liquid wastes containing floatable grease in excessive amounts of any flammable wastes, sand, or other harmful ingredients. All interceptors shall be of a

type and capacity approved by the District Manager and shall be located as to be readily and easily accessible for cleaning and inspection. In maintaining these interceptors, the owner(s) shall be responsible for the proper removal and disposal by appropriate means of the captivated material and shall maintain records of the dates and means of disposal which are subject to review by the District Manager. Any removal and hauling of the collected materials not performed by owner's personnel must be performed by currently licensed waste disposal firms.

### **Pretreatment Requirements for Exterior Gravity Grease Interceptor**

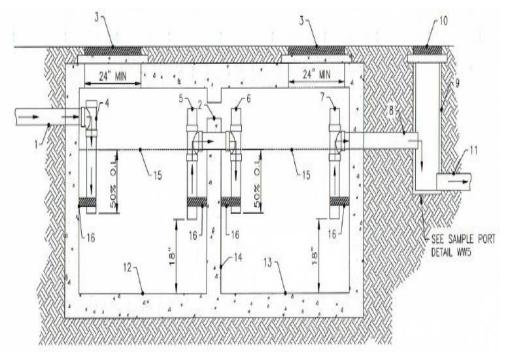
- 1. Food preparation sinks, dishwashing sinks, dishwashers, mop sinks, floor drains, and any other fixture or equipment that produces grease-laden waste shall discharge into the interceptor.
- 2. Sizing shall comply with current Uniform Plumbing Code requirements. (Minimum size allowed is 500 gallons.)
- 3. Design shall comply with "Pretreatment Standard Detail for Exterior Grease Interceptor and Sample Port Installation".
- 4. Exterior gravity grease interceptors shall be equipped with a sample port.
- 5. Exterior gravity grease interceptors shall be property vented.
- 6. Interceptor shall be located in an area easily accessible for inspection and cleaning.
- 7. Lids must be installed in a manner that allows for easy removal during inspection and cleaning.
- 8. Low temperature, sanitizing rinse, and/or mechanical dishwashers are recommended.
- 9. Water entering the interceptor shall not exceed 140°F.
- 10. Enzymes and drain maintenance chemicals are prohibited.

### Applicability:

These requirements are applicable to all commercial food service establishments, including those that are undergoing:

- 1. New construction;
- 2. Interior remodeling to accommodate expansion or operational modifications;
- 3. Changes of ownership/occupancy; and/or
- 4. Facilities that are experiencing difficulty in achieving compliance with maintenance and/or wastewater discharge limitations.

Each business establishment for which an interceptor is required shall have an interceptor serving only that establishment. Common or shared interceptors are not permitted.



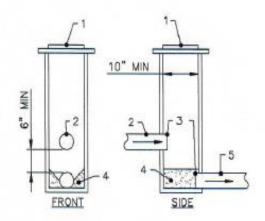
TYPICAL EXTERIOR GREASE INTERCEPTOR
N.T.S.

#### NOTES

- 1. INFLUENT LINE
- 2. 6" DIAMETER VENT SLEEVE
- 3. MINIMUM 24" OPENING WITH RING AND LID
- 4. PRIMARY CHAMBER INLET PIPING (MUST EXTEND TO 50% OF THE OPERATING LEVEL)
- 5. PRIMARY CHAMBER OUTLET PIPING (MUST EXTEND TO 18" FROM BOTTOM OF CHAMBER)
- 6. SECONDARY CHAMBER INLET PIPING (MUST EXTEND TO 50% OF THE OPERATING LEVEL)
- 7. SECONDARY CHAMBER OUTLET PIPING (MUST EXTEND TO 18" FROM BOTTOM OF CHAMBER)
- 8. GREASE INTERCEPTOR DISCHARGE LINE
- 9. SAMPLE PORT
- 10. SAMPLE PORT RING AND LID
- 11. SAMPLE PORT DISCHARGE LINE TO CITY SEWER
- 12. PRIMARY CHAMBER (2/3 TOTAL VOLUME)
- 13. SECONDARY CHAMBER (1/3 TOTAL VOLUME)
- 14. BAFFLE
- 15. GREASE INTERCEPTOR OPERATING LEVEL
- 16. PIPE SUPPORT

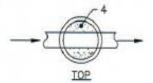
### **Pretreatment Requirements for Sample Ports**

- 1. All interceptors are to be installed with a sampling port that receives flow from the interceptor's effluent.
- 2. Tee piping on the interceptor's interior will not suffice as a sample port.
- 3. Sample ports must be located in areas protected from vehicle traffic
- 4. Sample ports are to be cleaned and inspected during routine interceptor pumping.
- 5. Sample ports will have a minimum 10-inch diameter access cover.
- 6. Sample ports will have a minimum 6-inch drop between inlet and discharge piping.
- 7. Sample ports must drain completely and not hold water. Bottom shall be grouted and sloped.
- 8. Inlet pipe penetration must extend 1 inch past the inside wall of the sample port. Penetrations are to be sealed to prevent leaks.



### NOTES:

- 1. SAMPLE PORT RING AND LID
- 2. GREASE INTERCEPTOR DISCHARGE LINE
- PIPE PENETRATION (EXTEND 1" PAST THE INSIDE WALL OF THE SAMPLE PORT - MUST BE SEALED TO PREVENT LEAKS. IF USING PVC, A SADDLE MUST BE USED)
- GROUT (SLOPED TO WASTEWATER CHANNEL - THE SAMPLE PORT MUST DRAIN COMPLETELY AND NOT HOLD WATER)
- SAMPLE PORT DISCHARGE LINE TO CITY'S SANITARY SEWER





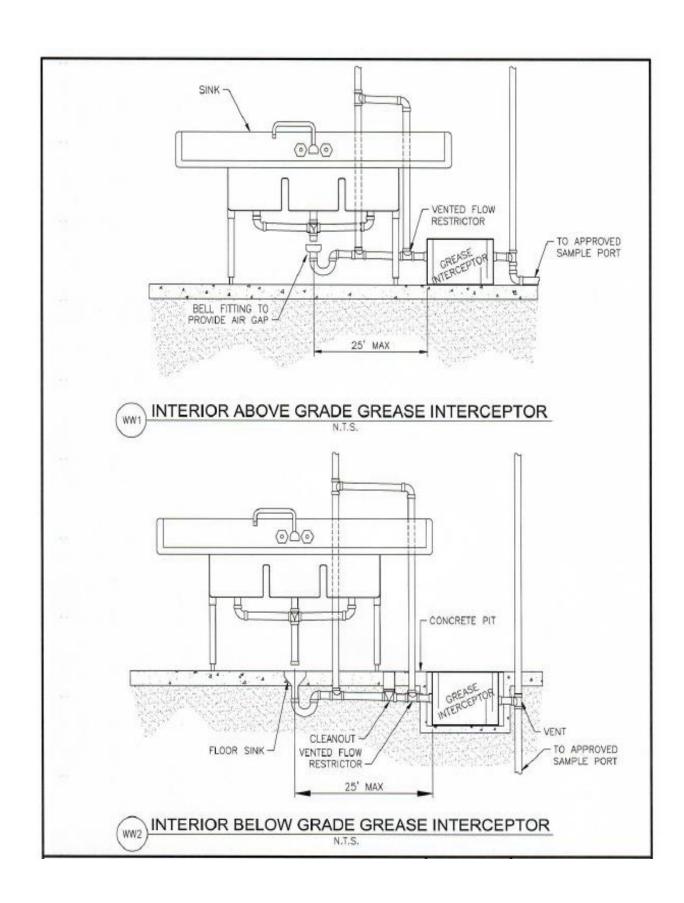
### Pretreatment Requirements for Inside Hydromechanical Grease Interceptor

- 1. Sizing shall comply with current Uniform Plumbing Code requirements and utilize the formula that uses fixture capacities. (Minimum size allowed is 20 gpm.)
- 2. Design shall comply with "Pretreatment Standard Details for Inside Hydromechanical Grease Interceptors" cut sheet
- 3. Interceptor shall be properly vented and utilize a vented flow restrictor on the inlet line to the interceptor.
- 4. Interceptors shall have a sample port installed on the effluent line from the interceptor.
- 5. Interceptor to be located in an area that allows for easy cleaning and inspection.
- 6. Food preparation sinks, dishwashing sinks and floor drains shall discharge into the interceptor.
- 7. Water entering the interceptor shall not exceed 140°F.
- 8. Enzymes and drain maintenance chemicals are prohibited.

## Applicability:

These requirements are applicable to all commercial food service establishments, including those that are undergoing:

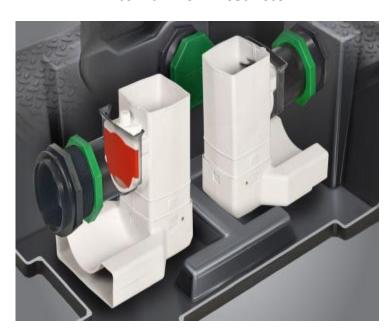
- 5. New construction;
- 6. Interior remodeling to accommodate expansion or operational modifications;
- 7. Changes of ownership/occupancy; and/or
- 8. Facilities that are experiencing difficulty in achieving compliance with maintenance and/or wastewater discharge limitations.



# Schier Great Basin Series Interior Interceptor



External Sample Port Not Required Internal Flow Restrictor



### **EXHIBIT A**

# TRANSFER AGREEMENT

(Example)

THIS AGREEMENT, made and entered into this day of,	20,
by and between the LAKESIDE COUNTY WATER & SEWER DISTRICT, 253 Bierney Rd., Lakeside, Montana, hereinafter referred to as the "District" and	y Creek
, hereinafter referred to as the "Develop	per".
<b>WHEREAS</b> , the District is a County Water & Sewer District certified by the Montana Secretate under Title 7, Montana Code Annotated (MCA); and,	etary of
<b>WHEREAS</b> , the District is staffed with System Operators, Montana State-certified for was wastewater operations with certification maintained through annual training sessions require State; and,	
<b>WHEREAS</b> , the District is willing to assume the ownership of said system assuming criteria can be met to the satisfaction of the District and to the benefit of the District cus and,	
WHEREAS, both parties are willing to enter into an Asset Transfer Agreement without an maintenance contract period, whereby the District could enjoy a period of discovunidentified items requiring correction before ownership changes. Both parties agreed warranty period will suffice in lieu of an interim maintenance contract;	very for e that a
<b>WHEREAS,</b> the Developer agrees to correct any known deficiencies, before the end warranty period; and,	d of the
<b>WHEREAS</b> , the water and wastewater system users are future or current "water" and or customers of the District, and all water and sewer installation properties are located with boundaries of the District.	
<b>NOW, THEREFORE</b> , in consideration of the mutual covenants herein set out on the part of the parties kept and to be performed, it is agreed as follows:	of each
<b>A. Transfer of Water and Wastewater Collection System:</b> The Developer for govaluable consideration, transfers to the District, the Water and Wastewater Collection more particularly described on Exhibit "A", attached hereto;	
<b>B. Assignment of Easements:</b> The Developer hereby grants, transfers, and ass easements necessary for the repair, maintenance, and replacement of the various compof the wastewater collection system as identified on engineering drawings prepared by	
C. Appraisal of System: The District will conduct its own evaluation of the value and relife of the various water and wastewater system components. The current value is estimated to the various water and wastewater system components.	•

\$	for the Water and \$	_ for the Sewer System for the complete project
total value of \$		

- **D. Warranty:** The Developer warrants, for a period of one year, the entire water and wastewater collection system, more particularly set forth in Exhibit "A" attached hereto, for any and all repairs, maintenance, and replacement of the various components of the water and wastewater collection system and agrees to reimburse the District for any costs expended by the District for such repairs to the wastewater collection system during said warranty period.
- **E. Cost of Water and Wastewater Collection Service:** There will be no change in "Water " or "Sewer" service charges from the District as a consequence of the ownership change.
- **F. Rules and Regulations of the District:** Other than as provided herein, all rules, regulations, policies and procedures of the District will apply to the water and sewer users affected by this Agreement.
- **G. Disputes Binding Arbitration:** In the event of any disputes arising between the parties relative to any provisions of this Agreement, such dispute or disputes shall be subject to binding arbitration, pursuant to the Montana Uniform Arbitration Act, §27-5-111, MCA, et seq. Each party shall choose an arbitrator. The arbitrators so chosen will then choose an additional arbitrator. The three (3) arbitrators will then decide the matter or matters in dispute, and their decision will be binding on all parties hereto and enforceable by a Court of Law.
- **H. Binding Effect:** This Agreement shall be binding upon each party's agents, agencies, political subdivisions, servants, representatives, employees, heirs, successors, personal representatives, and assigns.
- **I. Entire Agreement:** The parties agree that no promise or inducement that is not herein expressed has been made to them; and that in executing this Agreement, they do not rely upon any statement or representation made by any person, firm, or corporation hereby released or by any agent, attorney, insurer, or other person representing the parties.
- **J. Contractual:** The parties agree and acknowledge that the terms of this Agreement are contractual and not a mere recital.
- **K.** Authority: The undersigned representatives represent and warrant that they, respectively, have the right and authority to execute the within Agreement and to legally bind said entities, that do so of their free act and deed; and that they, respectively, have not sold, assigned, transferred, conveyed or otherwise disposed of any claims or potential claims relating to any matter covered by this Agreement.
- **L. Construction:** It is expressly acknowledged and understood by the parties that since each party has cooperated and assisted in the drafting and preparation of this Agreement, in any future construction of this Agreement, it shall not be construed against any party to it on the basis that the party was the drafter of this Agreement.

<b>DATED</b> this day of		_, 20
THE LAKESIDE COUNTY WATER & \$	SEWER DISTRICT	
By: President	Ву:	Representative
Lakeside County Water and Sewer Dist 253 Bierney Creek Road Lakeside, Montana 59922	rict	Representative
STATE OF)		
) ss.		
County of)		
On this day of Notary Public for the State of known to me to be the person(s) whose acknowledged to me that they executed	, personally appeal se name(s) are subscribed	red,
IN WITNESS WHEREOF, I hav and year first above written.	e hereunto set my hand a	and affixed Notary Seal the day
		Notary Public for the State of
(SEAL)	Residing at:	
	My Commission Expi	ires:

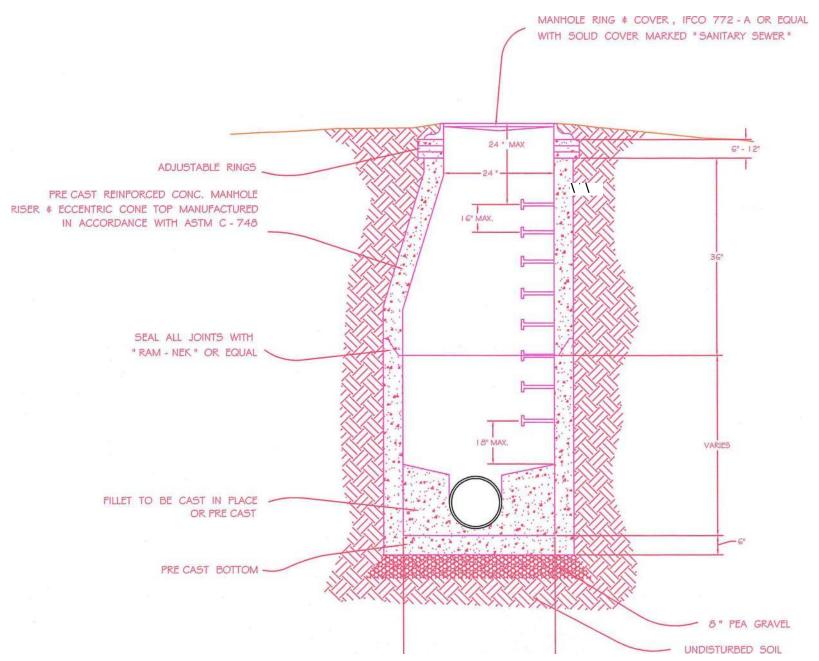
### **EXHIBIT B -- PLAN REVIEW FEE WORKSHEET**

Р	lan Review Fee Wor	ksheet		Date Plans	s Received	Account Number		Project Number	f
•	Invoice Number		F	Receipt Numb	er	Check Number		Total Received	
	PWSID				Public Wate	er Supply Name		Total fee Determined	
	266			Lakes	side County W	ater & Sewer District			
	County		Nearest Ci	ty		Review Engineer		Total Fee Due	
	Flathead	Kali	spell						
	Project Name:	,							
	Design Engineer Name	e ! Firm ! Address				Owner Name ! Ad	dress		
Name					Name				
Address					Address				
City					City				
	Schedule I - DE	Q 1 (WATER)			-	Schedule II - DEQ 2 (WASTEWATER)			
Section 1.0	Engineering Report			\$280	Chapter 10	Engineering Reports			\$280
Chapter 6	Pumping Facilities			\$1,500	Chapter 30	Design of Sewers			
						Number o	f Lots	X \$70	
Chapter 8	Transmission Mains, Distribution Syst	ems, Piping and A	•			Non-standard Specifica			\$420
Number of			X \$70			Collection System (linear	feet)	X \$0.50	
	Non-standard S	Specifications		\$420	Chapter 40	Wastewater Pumping Stations			
Transmission	Distribution (lineal feet)		X \$0.50			Force Mains (linea	,	X \$0.50	04.000
Dlane & Snee	ifications Not Covered hours		X \$150			Pumping S		Modifications to Existing  New Station	\$1,000
i iaiis & opec	ilications Not Covered flours		Α ψ130			Pumping S	tation	New Station	\$1,500
Re-Reviews		Hourly	X \$150		Plans & Spec	ifications Not Covered hours		X \$150	
Deviations fro	om Services Standards (LCWSD)		X \$200		Re-Reviews	H	lourly	X \$150	
			λ ψ200		Deviations fro	om Services Standards (LCWSD)			
Revised 4/25/2019	1				Dovidiono III	Number of Deviations		X \$200	

#### Notes:

- 1. Non-standard Specifications includes such items as pipe bursting, horizontal directional drilling, pipe ramming, auger bore and jack, etc. design reviews.
- 2. Plans and Specifications Not Covered for DEQ-1 (Water) included items such as Source Development (Chapter 4 of DEQ-1), Treatment (Chapter 4 of DEQ-1), Chemical Application (Chapter 5 of DEQ-1), Finished Water Storage (Chapter 7 of DEQ-1) and Waste Residuals (Chapter 9 of DEQ-1).
- 3. Plans and Specifications Not Covered for DEQ-2 (Sewer) included items such as Facility Plans (Chapter 10 of DEQ-2), Wastewater Treatment Facilities (Chapter 50 of DEQ-2), Screening, Grit Removal, and Flow Equalization (Chapter 60 of DEQ-2), Settling (Chapter 70 of DEQ-2), Sludge Processing, Storage and Disposal (Chapter 80 of DEQ-2), Biological Treatment (Chapter 90 of DEQ-2), Disinfection (Chapter 100 of DEQ-2), Supplemental Treatment Processes (Chapter 110 of DEQ-2), Irrigation and Rapid Infiltration Systems (Chapter 120 of DEQ-2), Alternate Sewer Collection Systems (Appendix C of DEQ-2), and Sewer Rehabilitation (Appendix D of DEQ-2).

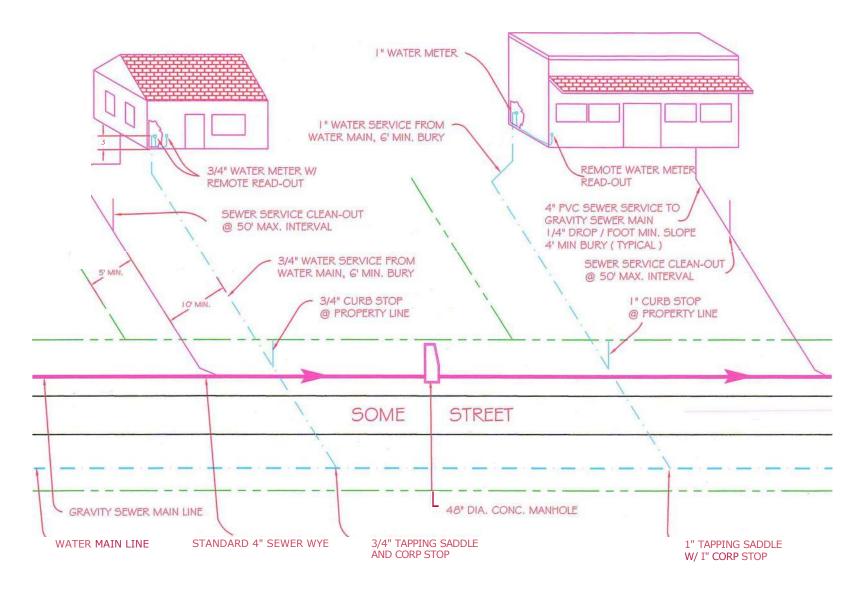
## FIGURE 1 - MANHOLE DETAIL



### FIGURE 2 -- STANDARD SEWER & WATER SERVICE CONNECTION

# **ALL SINGLE FMILY BUILDINGS**

## ALL COMMERCIAL BUILDINGS



### FIGURE 3 - ALTERNATIVE SERVICE CONNECTION DETAIL

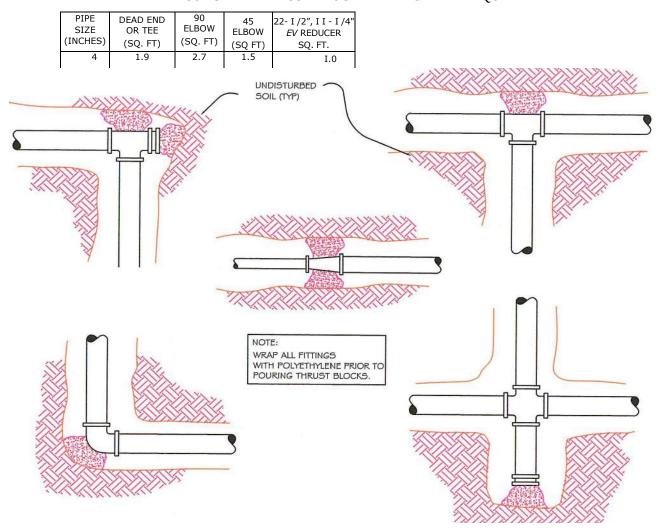
5

## ALL SINGLE FAMILY BUILDINGS ALL COMMERCIAL BUILDINGS \* WATER SERVICE FROM -WATER MAIN, 6 MIN. BURY 4" PVC SEWER SERVICE TO GRAVITY SEWER MAIN 1/4" DROP / FOOT MIN. SLOPE SEWER SERVICE CLEAN-OLD 4' MIN BURY ( TYPICAL ) @ 50' MAX. INTERVAL SEWER SERVICE CLEAN-OUT 3/4" WATER SERVICE FROM @ 50' MAX, INTERVAL WATER MAIN, 6' MIN. BURY METER PIT W/ I" WATER METER METER PIT W/ 3/4" WATER METER W/ REMOTE READ-OUT W/ REMOTE READ-OUT @ 2' FROM PROPERTY LINE @ 2' FROM PROPERTY LINE I' CURB STOP 3/4" CURB STOP @ I' FROM PROPERTY LINE @ 1' FROM PROPERTY LINE SOME STREET 48" DIA CONC. MANHOLE GRAVITY SEWER MAIN LINE 3/4" TAPPING SADDLE STANDARD 4" SEWER WYE I" TAFFING SAUDLE WATER MAIN LINE AND CORP STOP WI I" CORP STOP

## FIGURE 4 -- THRUST BLOCK LOCATIONS

#### CONCRETE THRUST BLOCK

## CONCRETE THRUST BLOCK BEARING AREA REQUIRED



### FIGURE 5 -- TYPICAL SEWER SERVICE AND CLEAN OUT DETAIL

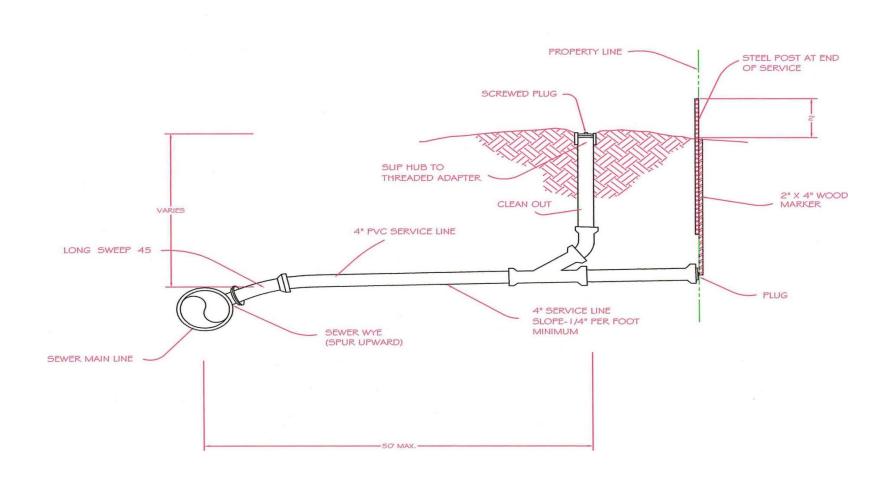


FIGURE 6 -- TYPICAL TRENCH AND ASPHALT PATCH DETAIL

