

Environmental Assessment & Public Notice for Public Comment

- **Environmental Assessment &
supporting documents**
- **Public Notice for Public Comment
package**
 - Notice Area List
 - Notice Area Map
 - Form Checklist
 - PN- Letter to applicant
 - PN- Letter to editor
 - PN- Certificate of service
 - PN- Invoice & tear sheet
 - PN- Return mail
 - Public Comment files

**Environmental Assessment &
Public Notice for Public
Comment**

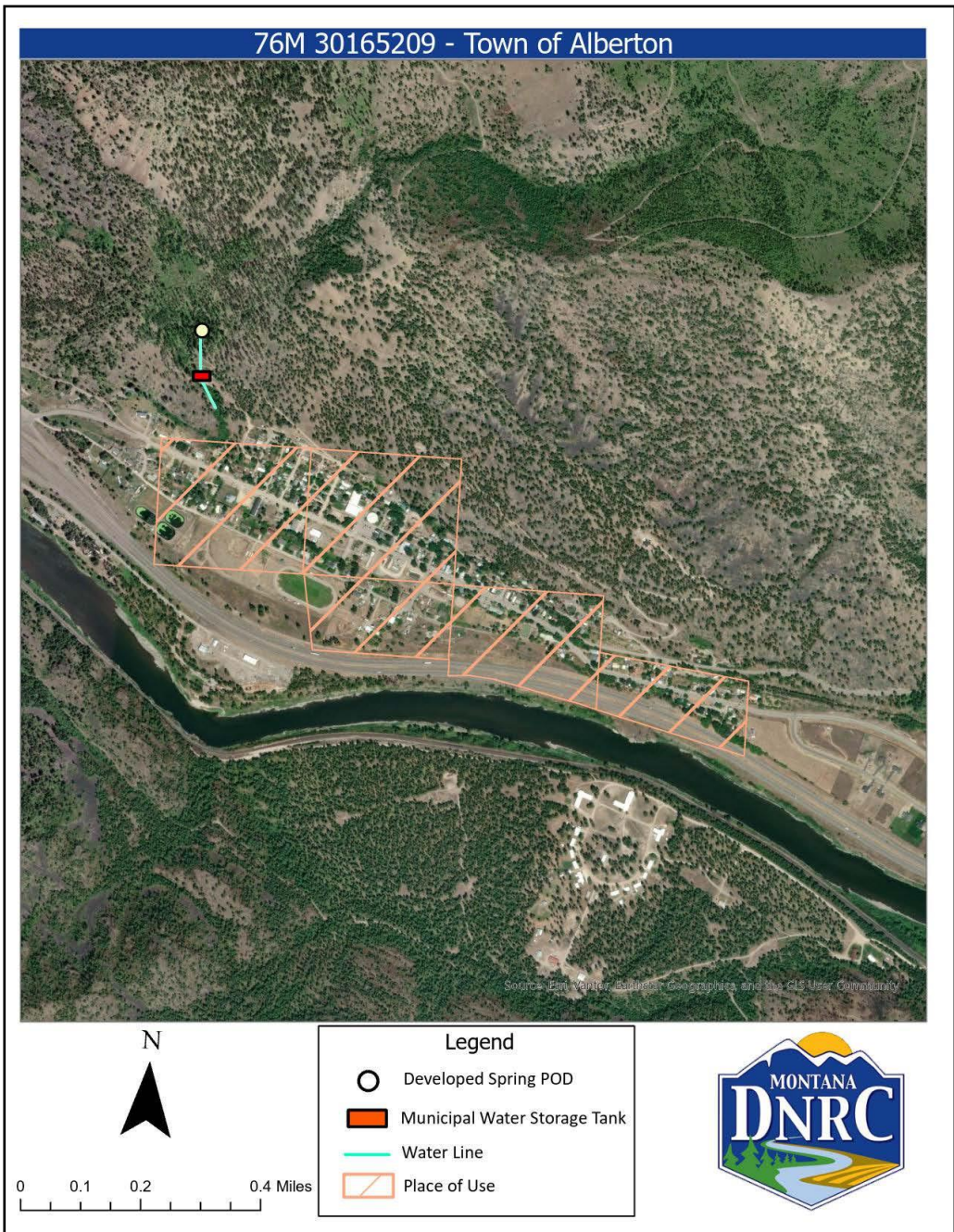
NOTICE AREA

Application No. **76M 30165209**Regional Office # **09**

Applicant's Name **Town of Alberton**

Indian Reservation ☐ Yes ☒ No If yes, Reservation _____

Irrigation District ☐ Yes ☒ No If yes, District _____

Specialist **Alex Dalglish**Date **9/15/2026**

Map showing the Applicant's proposed point of diversion and place of use

Interested Parties
Applicant: Town of Alberton
Consultant: Water & Environmental Technologies c/o Christina Eggersperger
Avista Corporation
Bureau of Indian Affairs
Clark Fork Coalition
Department of Environmental Quality
Department of Fish Wildlife & Parks
Missoula County Clerk of Court
Missoula County Conservation District
Missoulia
Montana Board of Land Commissioners
Trout Unlimited
US Forest Service
Northwestern Energy
PPL Montana LLC

Montana Department of Natural Resources and Conservation
Water Resources Division
Water Rights Bureau

ENVIRONMENTAL ASSESSMENT
For Routine Actions with Limited Environmental Impact

Part I. Proposed Action Description

1. Applicant/Contact name and address:

Town of Alberton
PO Box 115
Alberton, MT 59820

2. Type of action: Groundwater Application for Beneficial Water Use Permit No 76M
30165209

3. Water source name: Groundwater Spring

4. Location affected by project:

Point of diversion: Govt. Lot 1 in the NWNENE of Section. 3, Township 14N, Range
23W, Mineral County

Place of use: Govt. Lot 6 in the S2NENE of Sec. 3, Govt. Lot 5 in the S2NWNW, Govt.
Lot 12 in the N2SWNW, Govt. Lot 11 in the SENW, Govt. Lot 10 in the S2SWNE,
Govt. Lot 15 in the N2NWSE, Govt. Lot 16 in the NWNESE all in Section 2. Both
Sections 2 and 3 are within Township 14N, Range 32W, Mineral County.

5. Narrative summary of the proposed project, purpose, action to be taken, and benefits:

The Applicant proposes to divert groundwater at 20 gallons per minute (GPM) for
municipal purposes. This permit is only requesting an additional flow rate from the spring
and no volume is needed. The period of diversion and period of use are year-round, from
January 1 through December 31. The point of diversion is in the Clark Fork River Basin
between the Blackfoot and Flathead Rivers (76M) which is an area that is not currently
subject to any water right basin closures or controlled groundwater areas.
The DNRC shall issue a water use permit if an applicant proves the criteria in 85-2-311
MCA are met.

6. Agencies consulted during preparation of the Environmental Assessment:

- Montana Natural Heritage Program - Species of Concern
- Montana Department of Fish, Wildlife and Parks - 2005 Dewatered Stream List,
2022 Dewatered Streams Map
- Montana Department of Environmental Quality - 303(d) list of impaired streams,
Montana Impaired Waters 2020 Maps.

- USDA Natural Resources Conservation Science – Web Soil Survey
- U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory Mapper

Part II. Environmental Review

1. Environmental Impact Checklist:

PHYSICAL ENVIRONMENT
--

WATER QUANTITY, QUALITY AND DISTRIBUTION

Water quantity - *Assess whether the source of supply is identified as a chronically or periodically dewatered stream by DFWP. Assess whether the proposed use will worsen the already dewatered condition.*

The Applicant will divert groundwater via a developed spring. Given the characteristics of the source, performing an aquifer test was not possible and the Department did not evaluate potential connectivity to surface water sources. The 2005 Montana Department of Fish, Wildlife & Parks Dewatered Concern Areas list does not identify Lower Clark Fork River as chronically or periodically dewatered. The Department determined that the proposed appropriation will not result in any depletions to the Clark Fork River.

Determination: No significant impacts.

Water quality - *Assess whether the stream is listed as water quality impaired or threatened by DEQ, and whether the proposed project will affect water quality.*

The proposed appropriation is for groundwater. Water will be diverted from a developed spring and conveyed through an existing water system used by the Town (under Statement of Claim 76M 45355-00 from the same spring source and Provisional Permit 76M 13904-00 from a single well). No source of pollution was identified, and the use of water will be controlled. DEQ does not currently evaluate groundwater quality in Montana. DEQ's Montana Impaired Waters 2020 Maps and 303(d) list of streams only include surface water, streams and lakes. There is no known contamination to the aquifer being diverted from.

Determination: No significant impacts.

Groundwater - *Assess if the proposed project impacts ground water quality or supply. If this is a groundwater appropriation, assess if it could impact adjacent surface water flows.*

The appropriation requests to divert an additional 20 GPM from the developed groundwater spring. No additional volume is requested. Water from the spring is collected in three separate structures and diverted through a single water line to a large 300,000 gallon storage tank. This developed spring captures groundwater and based on an undated schematic of the source/system, water may at times flow over the ground surface to an open concrete cistern. The primary potentially impacted surface water source is the Clark Fork River. This river is not a chronically or periodically dewatered stream and the proposed appropriation would not significantly impact flows in that source.

Determination: No significant impacts.

DIVERSION WORKS - *Assess whether the means of diversion, construction and operation of the appropriation works of the proposed project will impact any of the following: channel impacts, flow modifications, barriers, riparian areas, dams, well construction.*

The developed spring source has existed since at least 1923 when water right 76M 45355-00 was filed on this source. Based on an undated schematic of the spring source, water is collected in three separate structures. A singular water line originates in the bottom collection structure and runs downgradient to a chlorine shed where an altitude valve and flow meter are present on the water line. Adjacent to this shed is a large 300,000 gallon storage tank. When the tank is full, the altitude valve closes, and water backs up to the bottom collection structure and bypasses to an old concrete cistern and flows to the south/southwest into a drainage area.

The Applicant's consultant provided flow measurements from the entire 2024 year, which were collected with the in-line flow meter present on a section of the water line within the chlorine shed. The measurement data included data sets recorded every 5 minutes. The flow meter recorded both very low flows (less than 1 GPM) and very high flows (above 100 GPM). The low flows were recorded when the system was not being used and when water would back up to the lowest collection structure. Those high flows were the result of pressure in the system that would be recorded when the altitude valve opened back up. Based on these measurements, the Applicant's consultant determined that the system is capable of diverting a reliable flow rate of approximately 67 GPM.

This project will utilize existing underground pipelines and conveyance facilities. The additional water use does not involve well construction and will not create any channel impacts, barriers, dams, or riparian impacts to surface waters.

Determination: No significant impacts.

UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES

Endangered and threatened species - *Assess whether the proposed project will impact any threatened or endangered fish, wildlife, plants or aquatic species or any "species of special concern," or create a barrier to the migration or movement of fish or wildlife. For groundwater, assess whether the proposed project, including impacts on adjacent surface flows, would impact any threatened or endangered species or "species of special concern."*

The Montana Natural Heritage Program (MNHP) was utilized to determine if there are any threatened or endangered fish, wildlife, plants or aquatic species or any "species of special concern", that could be impacted by the proposed project. The MNHP identified the following species of concern: Bull trout, Westslope Cutthroat Trout, Clark's Nutcracker, Evening Grosbeak, Pileated Woodpecker, Fisher, Grizzly Bear, Wolverine, Cassin's Finch, Lewis Woodpecker, Veery, Golden Eagle, Great Blue Heron, Canada Lynx, Northern Alligator Lizard, Western Skink, Suckley's Cuckoo Bumble Bee, A Caddisfly, Lyrate Mountainsnail, Rocky Mountain Forestfly, Tapertip Onion, Linearleaf Moonwort, Pointed Broom Sedge, Panic Grass, Scribner's Panic Grass, Beaked Spikerush, Coville's Rush, Floriferous Monkeyflower, Flatleaf

Bladderwort, Yellow-billed Cuckoo, Monarch, Fringed myotis, Little Brown Myotis, Long-eared Myotis, Long-legged Myotis, Silver-haired Bat, Townsend's Big-eared Bat, Western Pygmy Shrew, Yuma Myotis, Black-backed Woodpecker, Trumpeter Swan, Coeur d'Alene Salamander, Western Toad, Western Pearshell, Western Moonwort, Least Moonwort, Giant Helleborine, Liniar-leaf Fleabane, Spiny-spore Quilwort, Idaho Lovage, Stalk-leaved Monkeyflower, Fleshy Stitchwort, Britton's Dry Rock Moss, Meesia Moss, Northern Hoary Bat, American White Pelican, Black Tern, Black-crowned Night Heron, Forester's Tern and Harlequin Duck.

The location of the proposed groundwater diversion and place of use is already developed, and it is not anticipated that any species of concern will be further impacted by the proposed project.

Determination: No significant impacts.

Wetlands - Consult and assess whether the apparent wetland is a functional wetland (according to COE definitions), and whether the wetland resource would be impacted.

This project does not involve wetlands. A review of the US FWP National Wetlands Inventory Program reveals that there are no designated wetlands within the POU or at the POD.

Determination: No impacts.

Ponds - For ponds, consult and assess whether existing wildlife, waterfowl, or fisheries resources would be impacted.

This project does not involve any ponds.

Determination: No impacts

GEOLOGY/SOIL QUALITY, STABILITY AND MOISTURE - Assess whether there will be degradation of soil quality, alteration of soil stability, or moisture content. Assess whether the soils are heavy in salts that could cause saline seep.

The proposed use for municipal purposes is not anticipated to negatively impact the soil quality, stability, or moisture content. The soil types in the area consist of Tally fine sandy loam, 0 to 4 percent slopes, Nemote-Sharrott association and Wakepish-Wilde-Sixteenmile, very stony families, complex, flood scoured footslopes. These soils generally have high to moderate infiltration rates. Soils in this area are not likely susceptible to saline seep.

Determination: No significant impacts

VEGETATION COVER, QUANTITY AND QUALITY/NOXIOUS WEEDS - Assess impacts to existing vegetative cover. Assess whether the proposed project would result in the establishment or spread of noxious weeds.

The area is already developed and any existing native vegetation has likely already been disturbed. It is not anticipated that issuance of a water use permit will contribute to the establishment or spread of noxious weeds in the project area. Noxious weed prevention and

control will be the responsibility of the Applicant who must follow local noxious weed regulations.

Determination: No significant impacts

AIR QUALITY - Assess whether there will be a deterioration of air quality or adverse effects on vegetation due to increased air pollutants.

There will be no impacts to air quality associated with issuance of the proposed permit for beneficial use of groundwater.

Determination: No significant impacts

HISTORICAL AND ARCHEOLOGICAL SITES - Assess whether there will be degradation of unique archeological or historical sites in the vicinity of the proposed project if it is on State or Federal Lands. If it is not on State or Federal Lands simply state NA-project not located on State or Federal Lands.

This project is not located on any State or Federal lands.

Determination: No impacts

DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AND ENERGY - Assess any other impacts on environmental resources of land, water and energy not already addressed.

All impacts to land, water, and energy have been identified. No further impacts are anticipated.

Determination: No significant impacts

HUMAN ENVIRONMENT

LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS - Assess whether the proposed project is inconsistent with any locally adopted environmental plans and goals.

The project is consistent with planned land uses.

Determination: No significant impacts

ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES - Assess whether the proposed project will impact access to or the quality of recreational and wilderness activities.

The project site consists of private property with limited recreational opportunities for the public within the POU. No wilderness areas will be impacted by the proposed use of water.

Determination: No impacts

HUMAN HEALTH - *Assess whether the proposed project impacts on human health.*

The proposed use will not adversely impact human health.

Determination: No significant impacts

PRIVATE PROPERTY - *Assess whether there are any government regulatory impacts on private property rights.*

Yes ___ No X *If yes, analyze any alternatives considered that could reduce, minimize, or eliminate the regulation of private property rights.*

Determination: No significant impacts

OTHER HUMAN ENVIRONMENTAL ISSUES - *For routine actions of limited environmental impact, the following may be addressed in a checklist fashion.*

Impacts on:

- (a) Cultural uniqueness and diversity? None identified.
- (b) Local and state tax base and tax revenues? None identified.
- (c) Existing land uses? None identified.
- (d) Quantity and distribution of employment? None identified.
- (e) Distribution and density of population and housing? None identified.
- (f) Demands for government services? None identified.
- (g) Industrial and commercial activity? None identified.
- (h) Utilities? None identified.
- (i) Transportation? None identified.
- (j) Safety? None identified.
- (k) Other appropriate social and economic circumstances? None identified.

2. *Secondary and cumulative impacts on the physical environment and human population:*

Secondary Impacts: None identified.

Cumulative Impacts: None identified.

3. *Describe any mitigation/stipulation measures:* None

4. ***Description and analysis of reasonable alternatives to the proposed action, including the no action alternative, if an alternative is reasonably available and prudent to consider:***

The only alternative to the proposed action would be the no action alternative. The no action alternative would not authorize the diversion of groundwater.

PART III. Conclusion

1. ***Preferred Alternative***

Issue a water use permit if the Applicant proves the criteria in 85-2-311 MCA are met.

2 ***Comments and Responses***

3. ***Finding:***

Yes ___ No X Based on the significance criteria evaluated in this EA, is an EIS required?

If an EIS is not required, explain why the EA is the appropriate level of analysis for this proposed action:

No significant impacts related to the proposed project have been identified.

Name of person(s) responsible for preparation of EA:

Name: Alex Dalglish

Title: Water Conservation Specialist

Date: June 1, 2026

Draft Preliminary Determinations

- Draft PD
- Draft PD cover letter
- Updated Draft PD
- Updated Draft PD cover letter
- Any correspondence with the applicant regarding the draft PDs

Draft Preliminary Determinations



Missoula Water Resources Regional Office
PO Box 5004
2705 Spurgin Road, Bldg. C
Missoula, MT 59806-5004
(406) 721-4284

September 15, 2026

Town of Alberton
PO Box 115
Alberton, MT 59820-0115

Subject: Updated Draft Preliminary Determination to Grant in Modified Form Beneficial
Water Use Permit Application No. 76M 30165209

Dear Applicant,

The Department of Natural Resources and Conservation (Department or DNRC) has reviewed any information submitted to your application during the granted extension. This review consists of an updated evaluation of the criteria for issuance of a Permit authorization found in §85-2-311, MCA. The Department has preliminarily determined that the criteria can be met only with modifications to the original application, and this application should be granted in modified form. A copy of the updated Draft Preliminary Determination (PD) to Grant in Modified Form is attached.

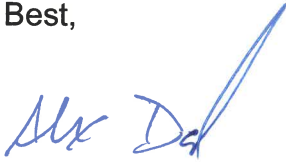
The Department will prepare a notice of opportunity to provide public comment per §85-2-307(4), MCA. If no public comments are received, the Department will issue the updated Draft PD as final pursuant to §85-2-307(5)(c), MCA.



If public comments are received, the Department will consider the public comments and issue a non- draft PD within 30 days of the closing date of the public comment period.

Please let me know if you have any questions.

Best,



Alex Dalglish
Water Resource Specialist
Missoula Regional Office
(406)-542-5886
Alexander.dalglish@mt.gov

CC:

Water & Environmental Technologies
c/o Christina Eggensperger
480 E Park St
Butte, MT 59701-1923



**BEFORE THE DEPARTMENT OF
NATURAL RESOURCES AND CONSERVATION
OF THE STATE OF MONTANA**

* * * * *

APPLICATION FOR BENEFICIAL WATER USE PERMIT NO. 76M 30165209 BY TOWN OF ALBERTON	)))	UPDATED DRAFT PRELIMINARY DETERMINATION TO GRANT PERMIT IN MODIFIED FORM
---	-------------	---

* * * * *

On January 21, 2026, the Town of Alberton submitted Application for Beneficial Water Use Permit No. 76M 30165209 to the Missoula Regional Office of the Department of Natural Resources and Conservation (Department or DNRC) for 20 GPM for municipal purposes. The Department published receipt of the application on its website on January 30, 2026. The Department sent the Applicant a deficiency letter under § 85-2-302, Montana Code Annotated (MCA), dated January 30, 2026. The Applicant responded with information on May 8, 2026. Department employees Alex Dalglish, Benjamin Thomas and Jim Nave met with the Applicant's consultants Christina Eggensperger and Pat Thompson from Water and Environmental Technologies (WET) and conducted a preapplication meeting on January 21, 2025. At this meeting, the Applicant's consultants designated that the technical analyses for this application would be completed by the Department. The Applicant's consultant submitted the Preapplication Meeting Form on May 29, 2025. The Department returned the Preapplication Meeting Form to the consultant on May 30, 2025, because it was inadequately completed. The Applicant's consultant resubmitted the Preapplication Meeting Form on June 10, 2025, but the follow up signature page was incomplete. The Department received the completed signature page on July 16, 2026, and the preapplication materials were determined to be adequately completed on July 17, 2025. The Department delivered the Department-completed technical analyses on August 29, 2025. The application was determined to be correct and complete as of May 28, 2026. The Draft Preliminary Determination to Grant in Modified Form was sent to the Applicant on July 24, 2026. The Applicant submitted a request for extension of time per § 85-2-307(3), MCA on August 14, 2026, to which the Department granted 14 days to submit additional information. The Applicant submitted additional

information on August 28, 2026. An Environmental Assessment for this application was completed on June 1, 2026.

INFORMATION

The Department considered the following information submitted by the Applicant, which is contained in the administrative record.

Application as filed:

- Application for Beneficial Water Use Permit, Form 600
- Attachments:
 - Ultra Mag Flow Meter Specification Sheets
- Maps:
 - Spring Location Map, dated December 22, 2025
 - Spring Location Map, dated June 2, 2025
 - Maps showing conveyance infrastructure, undated
- Department-completed Technical Analyses Report based on information provided in the Preapplication Meeting Form, dated August 29, 2025
- 2024 developed spring flow measurement data (Excel document) from Applicant, undated, received May 29, 2025

Information Received after Application Filed

- Department Deficiency letter, dated January 30, 2026
- Deficiency response, dated May 5, 2026, received by the Department May 8, 2026
- Email correspondence between consultants (Christina Eggensperger and Pat Thompson) and Department (Alex Dalgleish) RE: RE: Deficiency letter for Beneficial Water Use Permit Application No. 76M 30165209, dated May 13, 2026
- Email correspondence between consultants ((Christina Eggensperger and Pat Thompson) and Department (Alex Dalgleish) RE: Alberton Permit 76M 30165209 Correct & Complete, dated August 31, 2026

Information within the Department's Possession/Knowledge

- Email correspondence between consultant and Department, dated May 29, 2025

- Department Phone Memorandum, dated June 30, 2025
- Spring Schematic diagram and email correspondence, dated June 30, 2025
- Department Technical Analysis Deadline email correspondence, dated July 31, 2025
- Email correspondence between the Department and Christina Eggensperger RE: Alberton, dated July 16, 2025
- The Department also routinely considers the following information. The following information is not included in the administrative file for this application but is available upon request. Please contact the Missoula Regional Office at 406-721-4284 to request copies of the following documents.
 - Department Permit Application Manual, dated February 14, 2025

The Department has fully reviewed and considered the evidence and argument submitted in this application and preliminarily determines the following pursuant to the Montana Water Use Act (Title 85, chapter 2, part 3, MCA).

For the purposes of this document, Department or DNRC means the Department of Natural Resources & Conservation; CFS means cubic feet per second; GPM means gallons per minute; AF means acre-feet; POU means place of use, POD means point of diversion, AF/YR means acre-feet per year, and Govt. means Government.

PROPOSED APPROPRIATION

FINDINGS OF FACT

1. The Applicant proposes to divert groundwater up to 20 gallons per minute (GPM) for municipal purposes, by means of a developed spring. No volume is proposed under this permit. The period of diversion and period of use are year-round from January 1 through December 31. The developed spring point of diversion (POD) is in Government (Govt.) Lot 1 in the NWNENE of Sec. 3, T14N, R23W, Mineral County. The POD is in the Clark Fork, between Blackfoot and Flathead Rivers, sub-basin (76M), in an area that is not subject to water right basin closures or controlled ground water area restrictions. The proposed municipal place of use (POU) is in Govt. Lot 6 in the S2NENE Sec. 3, Govt. Lot 5 in the S2NWNW, Govt. Lot 12 in the N2SWNW, Govt.

Lot 11 in the SENW, Govt. Lot 10 in the S2SWNE, Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNENE Sec. 2, all in T14N, R23W, Mineral County. Table 1 below provides a summary of the proposed use.

Table 1: Summary of Proposed Use

Flow Rate	Volume	Purpose	Period Of Use	Place Of Use	Point Of Diversion	Priority Date
20 GPM	0 AF	Municipal	1/1 – 12-31	Govt. Lot 6 in the S2NENE Sec. 3, Govt. Lot 5 in the S2NWNW, Govt. Lot 12 in the N2SWNW, Govt. Lot 11 in the SENW, Govt. Lot 10 in the S2SWNE, Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNENE Sec. 2, all in T14N, R23W, Mineral County	Govt. Lot 1 in the NWNENE Section 3, Township 14N, Range 23W, Mineral County	1/21/2026

2. The developed spring POD is located approximately 0.40 miles (2,112 feet) northeast from the Clark Fork River.

3. The developed spring is an existing diversion that currently provides water to the Town of Alberton for municipal purposes under Statement of Claim 76M 45355-00 (priority 01/30/1923), authorizing 50 GPM and 80.86 AF/YR. Municipal water is also provided to the Town of Alberton by Provisional Permit 76M 13904-00 (priority 7/8/1977), which authorizes 120 GPM and 161.0 AF from a single groundwater well in the NWNENE of Sec. 3, T14N, R23W. The Applicant's proposed permit will provide supplemental flow rate to Statement of Claim 76M 45355-00 via the shared point of diversion, and is considered supplemental by purpose and place of use to Provisional Permit 76M 13904-00. Under this proposal, additional flow rate will be diverted from the developed spring and distributed across the same POU using the existing infrastructure. The proposed POU will be identical to that listed and authorized by the Applicant's existing municipal rights 76M 45355-00 and 76M 13904-00.

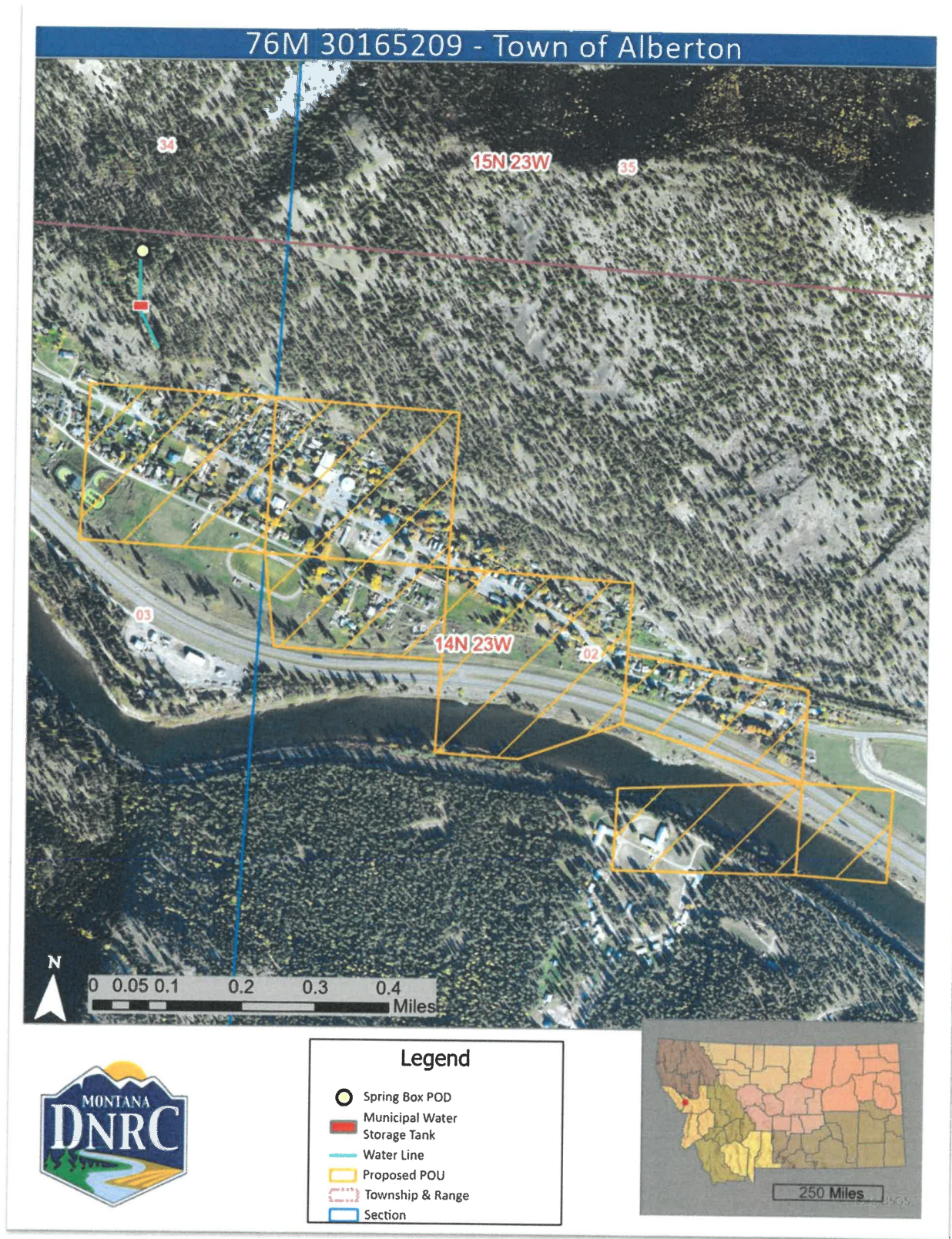


Figure 1. Map of Proposed Appropriation Under Permit 76M 30165209

BENEFICIAL WATER USE PERMIT CRITERIA (§ 85-2-311, MCA)

GENERAL CONCLUSIONS OF LAW

4. The Montana Constitution expressly recognizes in relevant part that:
- (1) All existing rights to the use of any waters for any useful or beneficial purpose are hereby recognized and confirmed.
 - (2) The use of all water that is now or may hereafter be appropriated for sale, rent, distribution, or other beneficial use . . . shall be held to be a public use.
 - (3) All surface, underground, flood, and atmospheric waters within the boundaries of the state are the property of the state for the use of its people and are subject to appropriation for beneficial uses as provided by law.

Mont. Const. Art. IX, § 3. While the Montana Constitution recognizes the need to protect senior appropriators, it also recognizes a policy to promote the development and use of the waters of the state by the public. This policy is further expressly recognized in the water policy adopted by the Legislature codified at § 85-2-102, MCA, which states in relevant part:

- (1) Pursuant to Article IX of the Montana constitution, the legislature declares that any use of water is a public use and that the waters within the state are the property of the state for the use of its people and are subject to appropriation for beneficial uses as provided in this chapter. . . .
- (3) It is the policy of this state and a purpose of this chapter to encourage the wise use of the state's water resources by making them available for appropriation consistent with this chapter and to provide for the wise utilization, development, and conservation of the waters of the state for the maximum benefit of its people with the least possible degradation of the natural aquatic ecosystems. In pursuit of this policy, the state encourages the development of facilities that store and conserve waters for beneficial use, for the maximization of the use of those waters in Montana . . .

5. Pursuant to § 85-2-302(1), MCA, except as provided in §§ 85-2-306 and 85-2-369, MCA, a person may not appropriate water or commence construction of diversion, impoundment, withdrawal, or related distribution works except by applying for and receiving a permit from the Department. See § 85-2-102(1), MCA. An Applicant in a beneficial water use permit proceeding must affirmatively prove all of the applicable criteria in § 85-2-311, MCA. Section § 85-2-311(1) states in relevant part:

- ... the department shall issue a permit if the Applicant proves by a preponderance of evidence that the following criteria are met:
 - (a) (I) there is water physically available at the proposed point of diversion in the amount that the Applicant seeks to appropriate; and

(ii) water can reasonably be considered legally available during the period in which the Applicant seeks to appropriate, in the amount requested, based on the records of the department and other evidence provided to the department. Legal availability is determined using an analysis involving the following factors:

(A) identification of physical water availability;

(B) identification of existing legal demands on the source of supply throughout the area of potential impact by the proposed use; and

(C) analysis of the evidence on physical water availability and the existing legal demands, including but not limited to a comparison of the physical water supply at the proposed point of diversion with the existing legal demands on the supply of water.

(b) the water rights of a prior appropriator under an existing water right, a certificate, a permit, or a state water reservation will not be adversely affected. In this subsection (1)(b), adverse effect must be determined based on a consideration of an Applicant's plan for the exercise of the permit that demonstrates that the Applicant's use of the water will be controlled so the water right of a prior appropriator will be satisfied;

(c) the proposed means of diversion, construction, and operation of the appropriation works are adequate;

(d) the proposed use of water is a beneficial use;

(e) the Applicant has a possessory interest or the written consent of the person with the possessory interest in the property where the water is to be put to beneficial use, or if the proposed use has a point of diversion, conveyance, or place of use on national forest system lands, the Applicant has any written special use authorization required by federal law to occupy, use, or traverse national forest system lands for the purpose of diversion, impoundment, storage, transportation, withdrawal, use, or distribution of water under the permit;

(f) the water quality of a prior appropriator will not be adversely affected;

(g) the proposed use will be substantially in accordance with the classification of water set for the source of supply pursuant to 75-5-301(1); and

(h) the ability of a discharge permit holder to satisfy effluent limitations of a permit issued in accordance with Title 75, chapter 5, part 4, will not be adversely affected.

(2) The Applicant is required to prove that the criteria in subsections (1)(f) through (1)(h) have been met only if a valid objection is filed. A valid objection must contain substantial credible information establishing to the satisfaction of the department that the criteria in subsection (1)(f), (1)(g), or (1)(h), as applicable, may not be met. For the criteria set forth in subsection (1)(g), only the department of environmental quality or a local water quality district established under Title 7, chapter 13, part 45, may file a valid objection.

To meet the preponderance of evidence standard, “the Applicant, in addition to other evidence demonstrating that the criteria of subsection (1) have been met, shall submit hydrologic or other evidence, including but not limited to water supply data, field reports, and other information developed by the Applicant, the department, the U.S. geological survey, or

the U.S. natural resources conservation service and other specific field studies.” Section 85-2-311(5), MCA (emphasis added). The determination of whether an application has satisfied the § 85-2-311, MCA criteria is committed to the discretion of the Department. *Bostwick*

Properties, Inc. v. Montana Dept. of Natural Resources and Conservation, 2009 MT 181, ¶

21. The Department is required grant a permit only if the § 85-2-311, MCA, criteria are proven by the Applicant by a preponderance of the evidence. *Id.* A preponderance of evidence is “more probably than not.” *Hohenlohe v. DNRC*, 2010 MT 203, ¶¶ 33, 35, 357 Mont. 438, 240 P.3d 628.

6. Pursuant to § 85-2-312, MCA, the Department may condition permits as it deems necessary to meet the statutory criteria:

(1) (a) The department may issue a permit for less than the amount of water requested, but may not issue a permit for more water than is requested or than can be beneficially used without waste for the purpose stated in the application. The department may require modification of plans and specifications for the appropriation or related diversion or construction. The department may issue a permit subject to terms, conditions, restrictions, and limitations it considers necessary to satisfy the criteria listed in 85-2-311 and subject to subsection (1)(b), and it may issue temporary or seasonal permits. A permit must be issued subject to existing rights and any final determination of those rights made under this chapter.

E.g., Montana Power Co. v. Carey (1984), 211 Mont. 91, 96, 685 P.2d 336, 339 (requirement to grant applications as applied for, would result in, “uncontrolled development of a valuable natural resource” which “contradicts the spirit and purpose underlying the Water Use Act.”); *see also, In the Matter of Application for Beneficial Water Use Permit No. 65779-76M by Barbara L. Sowers* (DNRC Final Order 1988)(conditions in stipulations may be included if it further compliance with statutory criteria); *In the Matter of Application for Beneficial Water Use Permit No. 42M-80600 and Application for Change of Appropriation Water Right No. 42M-036242 by Donald H. Wyrick* (DNRC Final Order 1994); Admin. R. Mont. (ARM) 36.12.207.

7. The Montana Supreme Court further recognized in *Matter of Beneficial Water Use Permit Numbers 66459-76L, Ciotti: 64988-G76L, Starner*, 278 Mont. 50, 60-61, 923 P.2d 1073, 1079, 1080 (1996), *superseded by legislation on another issue*:

Nothing in that section [85-2-313], however, relieves an Applicant of his burden to meet the statutory requirements of § 85-2-311, MCA, before DNRC may issue that provisional permit. Instead of resolving doubts in favor of appropriation, the Montana Water Use Act requires an Applicant to make explicit statutory showings that there are unappropriated waters in the source of supply, that the water rights of a prior appropriator will not be adversely affected, and that the proposed use will not unreasonably interfere with a planned use for which water has been reserved.

See also, Wesmont Developers v. DNRC, CDV-2009-823, First Judicial District Court,

Memorandum and Order (2011). The Supreme Court likewise explained that:

.... unambiguous language of the legislature promotes the understanding that the Water Use Act was designed to protect senior water rights holders from encroachment by junior appropriators adversely affecting those senior rights.

Montana Power Co., 211 Mont. at 97-98, 685 P.2d at 340; *see also* Mont. Const. art. IX § 3(1).

8. An appropriation, diversion, impoundment, use, restraint, or attempted appropriation, diversion, impoundment, use, or restraint contrary to the provisions of § 85-2-311, MCA is invalid. An officer, agent, agency, or employee of the state may not knowingly permit, aid, or assist in any manner an unauthorized appropriation, diversion, impoundment, use, or other restraint. A person or corporation may not, directly or indirectly, personally or through an agent, officer, or employee, attempt to appropriate, divert, impound, use, or otherwise restrain or control waters within the boundaries of this state except in accordance with this § 85-2-311, MCA. Section 85-2-311(6), MCA.

9. The Department may take notice of judicially cognizable facts and generally recognized technical or scientific facts within the Department's specialized knowledge, as specifically identified in this document. ARM 36.12.221(4).

PHYSICAL AVAILABILITY

FINDINGS OF FACT

10. The source of water is a developed spring and the Applicant requests to divert up to 20 GPM annually from January 1 through December 31 for municipal purposes. Per ARM 36.12.1703(1), Permit Application Criteria- Physical Groundwater Availability, Applications for

groundwater from a developed spring are required to collect monthly flow measurements during the proposed period of diversion. To satisfy this requirement, the Applicant's consultant submitted flow measurement data collected over 12 months during 2024. The data was recorded and collected daily at five-minute intervals with an Ultra Mag in-line flow meter, which is located on the water line below the spring source. As submitted, the Applicant's raw data contained over 100,000 measurements ranging from negative figures, up to a high of 154.8 GPM.

11. From the 2024 data, the Applicant's consultant explained that high values above 67 GPM and low values below 1 GPM were not representative of the developed spring's flow rate and further clarified that the diverse range of measurement data was the result of head pressure in the system. On the pipeline conveying water from the developed spring, an altitude valve is situated near the Ultra Mag flow meter in a chlorination shed. The valve opens and closes as water is needed. When the altitude valve closes, the flow meter records very low values (i.e. below 1 GPM), and when it opens, the built-up pressure results in high recorded values that are not representative of the flow rate. Once the pressure stabilizes, the valve remains open and water flows through the line at a steady rate of approximately 67 GPM. Based on the Applicant's description of the system and the flow data, this value is representative of the true flow rate of the developed spring.

12. The Applicant's consultant stated that the maximum value (within the open-flow period of the altitude valve when flow rate was steady) was taken for each day of the month and used to demonstrate physical availability. Of those values, the two highest values below 67 GPM were considered by the Applicant's consultant to be representative of the maximum flow rate for each month. These values are shown in Table 2 below.

Table 2. Two highest montly values below 67 GPM

Month	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Flow Rate	66.91	66.65	66.93	66.68	66.98	65.88	63.45	64.06	60.89	65.94	65.16	65.75
(GPM)	66.89	66.58	66.93	66.44	66.91	64.93	62.51	61	60.35	65.67	65.06	65.43

13. The Department finds groundwater to be physically available at the requested flow rate of 20 GPM.

LEGAL AVAILABILITY

FINDINGS OF FACT

14. The Applicant owns existing municipal Statement of Claim 76M 45355-00, which authorizes a flow rate of 50 GPM and a total diverted volume of 80.86 AF/YR from the developed spring proposed for use by this application. Using the monthly flow data represented in Table 2 of Finding of Fact No. 12, the Department evaluated the flow of water that is legally available for this proposed appropriation.

15. Per ARM 36.12.1704, the Department compared the physical water supply with the legal demands of the developed spring. This is represented in Table 3 below, and indicates that water is not legally available for the proposed appropriation of 20 GPM during any month of the year.

Table 3: Town of Alberton Developed Spring Legal Availability

Month	Maximum Measured Flow Rate (GPM)	Existing Legal Demands (GPM)	Legally Available Flow Rate (GPM)
January	66.91	50	16.91
February	66.65	50	16.65
March	66.93	50	16.93
April	66.68	50	16.68
May	66.98	50	16.98
June	65.88	50	15.88
July	63.45	50	13.45
August	64.06	50	14.06
September	60.89	50	10.89
October	65.94	50	15.94
November	65.16	50	15.16
December	65.75	50	15.75

16. The existing legal flow rate demands of the developed spring are 50 GPM while the maximum representative (below 67 GPM) flow rate of the spring was 66.98 GPM in May. The Department finds that the amount of groundwater the Applicant seeks to appropriate, 20 GPM,

is not legally available from the developed spring source due to a deficit (of legally available flow) in all 12 months of the proposed period of appropriation.

17. This application was filed to come into compliance with the Montana Water Use Act. The Applicant has historically diverted the entire flow of the developed spring into their municipal water supply system. Past water measurements taken by the Applicant show that they are exceeding the 50 GPM limitation of statement of claim 76M 45355-00. The Applicant has shown water is legally available in each month of the year, although in amounts less than requested. The Department finds the legal availability criterion for this application to be met with the modification of the maximum flow rate to 16.98 GPM for the municipal purpose and a variable monthly diversion rate based on the legally available flow rate values in Table 3 in Finding of Fact No. 15 above.

ADVERSE EFFECT

FINDINGS OF FACT

18. This proposed appropriation requests additional flow from the developed spring (no extra volume). This spring is used by existing Claim 76M 45355-00 (priority 1/30/1923) for municipal purposes. The Applicant owns this right for a flow rate up to 50 GPM and 80.86 AF.

19. The Applicant stated that if a call for water is made, they would close the altitude valve and the entirety of the flow from the spring would move down the drainage. Additionally, closure or adjustment of the valve could limit the flow rate to an average of 50 GPM to align with the maximum use under senior Claim 76M 45355-00.

20. The Applicant is the only water user on the source of supply (developed spring). Any impacts under the proposed permit would occur to the Applicant's own right. It is reasonable that the Applicant will operate their water system in a manner to optimize their municipal water needs.

21. The Department finds that the Applicant's plan to control their water use to not create adverse effect to prior appropriations meets the adverse effect criteria by a preponderance of evidence.

ADEQUATE MEANS OF DIVERSION

FINDINGS OF FACT

22. The developed spring has existed since at least 1923 when the Applicant's first water right (76M 45355-00) was used on this source for 50 GPM and 80.86 AF/YR. The Applicant proposes to use the existing means of diversion and conveyance under Claim No. 76M 45355-00. The Applicant intends to obtain a new water to align their recorded water rights with their current water practices.

23. Groundwater from the developed spring is captured in three individual structures that are interconnected with a single waterline. From the most downgradient structure, water is conveyed to a chlorine shed where an Ultra Mag flow meter and altitude valve are situated on the water line. From the shed, the waterline flows into a large 300,000-gallon above ground storage tank.

24. From the storage tank, water is conveyed throughout the Applicant's underground distribution system. In their deficiency response, the Applicant's consultant discussed the system, stating *"The Town's current distribution system is fed by a new 12-inch PVC water main from the storage tank. At Railroad Avenue and Meadow View Lane the 12-inch transmission main connects to a new 10-inch PVC main that extends east to 3rd Street. West of Meadowview, the new PVC watermain in Railroad Ave is 8". The 10" and 8" mains then connect to a network of 6, 4", 2", 1½" and ¾" lines. The older 4 and 6'inch pipes are cast iron while the newer 4 and 6'inch pipes are PVC, all pipes 2-inch and smaller are galvanized steel. New 8" PVC mains in Meadowview, Rockledge, Apple, Orchard and 2nd St. extend north from their connections to the new watermain in Railroad Ave and are looped at their north ends in order to minimize water stagnation and to enhance fire flow delivery. There are 21 fire hydrants in Alberton – 12 of which are new in 2025. The laterals north of Railroad Avenue, at the east end of Adams Street and the west end of Parkway Drive are generally 2'inch dead-end lines with no looping."*

25. The developed spring serves as a Public Water Supply (PWS), and the system is permitted with DEQ under file number EQ No. 24-1150. It is also associated with PWS ID No. MT 0000015.

26. According to the Applicant's consultant, the town of Alberton operates a three-cell aerated lagoon wastewater system with ultraviolet disinfection. The system has a design flow of 0.054 million gallons per day without effluent disinfection. The Town is authorized to discharge into the Clark Fork River (with effluent limitations) under DEQ permit No. MT 0021555.

27. At present, the Applicant's municipal system includes the developed spring and a supplemental groundwater well (Provisional Permit 76M 13904-00). The Applicant provided evidence that the system is capable of diverting a flow rate in excess of the 50 GPM under right 76M 45355-00, so it is reasonable that the diversionary and conveyance infrastructure can accommodate additional flow rate.

28. The application described a portion of the proposed place of use as being located in the Clark Fork River in Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE and across the river in Govt. Lot 15 in the N2NWSE, all in Section 2, T14N, R 23W. The application did not provide substantial and credible evidence of how the system would convey water to the aforementioned portions of the proposed place of use; as such, the Department proposes to modify the place of use to exclude Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE, both in Section 2, T14N, R23W.

29. Due to the physical availability of water from the spring, the maximum flow rate available each month will be limited to the highest amount legally available (see Table 3 in Finding of Fact No. 15).

30. The Department finds that the proposed means of diversion and conveyance can divert the modified maximum flow rate that is legally available each month (FOF 15) to the modified place of use.

BENEFICIAL USE

FINDINGS OF FACT

31. The Applicant proposes to divert groundwater from a developed spring from January 1 to December 31 annually at a maximum rate of 20 GPM for municipal purposes. The Applicant is requesting additional flow to match their present-day water use from the spring.

Due to the legally available water from the developed spring, the Applicant can divert a maximum flow rate of 16.98 GPM. Since the Application is not requesting additional volume, and to ensure the flow rate is not exceeded, the Applicant will be required to adhere to the following condition:

IMPORTANT INFORMATION

THIS WATER RIGHT CANNOT BE OPERATED WITHOUT THE USE OF DEVELOPED SPRING CLAIM 76M 45355-00.

32. Due to the legally appropriated water (50 GPM) under existing right 76M 45355-00 from the developed spring, the available flow rate each month is based on the measurement data provided by the Applicant's consultant. Table 4 represents the maximum available monthly flow rate.

Table 4. Maximum flow rate available each month

Month	Maximum Monthly Flow Rate Available (GPM)
January	16.91
February	16.65
March	16.93
April	16.68
May	16.98
June	15.88
July	13.45
August	14.06
September	10.89
October	15.94
November	15.16
December	15.75

33. The Department recognizes the 80.86 AF of municipal purpose under Claim No. 76M 45355-00 as a beneficial use of water. The year-round period of use and diversion from January 1 to December 31 are consistent with the use under the municipal purpose.

34. The Department finds that the amount of groundwater the Applicant seeks to appropriate, 20 GPM, is not legally available from the developed spring source in all 12 months of the proposed period of appropriation. The Applicant can only beneficially use the flow rate that is available based on the physical flow from the source and the existing legal demands.

35. The application described a portion of the proposed place of use as being located in the Clark Fork River in Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE and across the river in Govt. Lot 15 in the N2NWSE, all in Section 2, T14N, R 23W. The application did not provide substantial and credible evidence of how the applicant intended to beneficially use water on the aforementioned portions of the proposed place of use; as such, the Department proposes to modify the place of use to exclude Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE, both in Section 2, T14N, R23W.

36. The Department finds the beneficial use criterion for this application to be met with the modification (exclusion) of a portion of the place of use and the maximum flow rate of 16.98 GPM and 0 AF for municipal purpose. The beneficial use criterion can also be met with the limitation of the maximum available flow rate each month during the proposed period of diversion and use, as represented by Table 4 in FOF No. 32.

POSSESSORY INTEREST

FINDINGS OF FACT

37. This application is for municipal use in which water is supplied to another. The proposed POU is identical with the Applicant's existing municipal water rights (spring water right 76M 45355-00 from the developed spring and 76M 13904-00 from a groundwater well).

38. The application described a portion of the proposed place of use as being located outside of the municipal service area in Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE, both in Section 2, T14N, R23W. The application did not provide substantial and credible evidence of possessory interest in the aforementioned portions of the proposed

place of use; as such, the Department proposes to modify the place of use to exclude Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE, both in Section 2, T14N, R23W.

39. The Applicant has possessory interest in the modified place of use as it is located within the existing municipal service area. The Department finds the possessory interest criterion to be met with modifications.

CONCLUSIONS OF LAW

PHYSICAL AVAILABILITY

40. Pursuant to § 85-2-311(1)(a)(i), MCA, an Applicant must prove by a preponderance of the evidence that “there is water physically available at the proposed point of diversion in the amount that the Applicant seeks to appropriate.”

41. It is the Applicant’s burden to produce the required evidence. *In the Matter of Application for Beneficial Water Use Permit No. 27665-41I by Anson* (DNRC Final Order 1987) (Applicant produced no flow measurements or any other information to show the availability of water; permit denied); *In the Matter of Application to Change Water Right No. 41H 1223599 by MGRR #1, LLC.*, (DNRC Final Order 2005).

42. An Applicant must prove that at least in some years there is water physically available at the point of diversion in the amount the Applicant seeks to appropriate. *In the Matter of Application for Beneficial Water Use Permit No. 72662s76G by John Fee and Don Carlson* (DNRC Final Order 1990); *In the Matter of Application for Beneficial Water Use Permit No. 85184s76F by Wills Cattle Co. and Ed McLean* (DNRC Final Order 1994).

43. The Applicant has proven that water is physically available at the proposed point of diversion in the amount the Applicant seeks to appropriate. Section 85-2-311(1)(a)(i), MCA. (FOF 10-13).

LEGAL AVAILABILITY

44. Pursuant to § 85-2-311(1)(a), MCA, an Applicant must prove by a preponderance of the evidence that:

(ii) water can reasonably be considered legally available during the period in which the Applicant seeks to appropriate, in the amount requested, based on the records

of the department and other evidence provided to the department. Legal availability is determined using an analysis involving the following factors:

- (A) identification of physical water availability;
- (B) identification of existing legal demands on the source of supply throughout the area of potential impact by the proposed use; and
- (C) analysis of the evidence on physical water availability and the existing legal demands, including but not limited to a comparison of the physical water supply at the proposed point of diversion with the existing legal demands on the supply of water.

E.g., ARM 36.12.101 and 36.12.120; *Montana Power Co.*, 211 Mont. 91, 685 P.2d 336 (Permit granted to include only early irrigation season because no water legally available in late irrigation season); *In the Matter of Application for Beneficial Water Use Permit No. 81705-g76F by Hanson* (DNRC Final Order 1992).

45. It is the Applicant's burden to present evidence to prove water can be reasonably considered legally available. *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, (2011) Pg. 7 (the legislature set out the criteria (§ 85-2-311, MCA) and placed the burden of proof squarely on the Applicant. The Supreme Court has instructed that those burdens are exacting.); *see also Matter of Application for Change of Appropriation Water Rights Nos. 101960-41S and 101967-41S by Royston* (1991), 249 Mont. 425, 816 P.2d 1054 (burden of proof on Applicant in a change proceeding to prove required criteria); *In the Matter of Application to Change Water Right No. 41H 1223599 by MGRR #1, LLC.*, (DNRC Final Order 2005))(it is the Applicant's burden to produce the required evidence.); *In the Matter of Application for Beneficial Water Use Permit No. 41H 30023457 by Utility Solutions, LLC* (DNRC Final Order 2007) (permit denied for failure to prove legal availability); *see also* ARM 36.12.1705.

46. Pursuant to *Montana Trout Unlimited v. DNRC*, 2006 MT 72, 331 Mont. 483, 133 P.3d 224, the Department recognizes the connectivity between surface water and ground water and the effect of pre-stream capture on surface water. *E.g.*, *Wesmont Developers v. DNRC*, CDV-2009-823, Montana First Judicial District Court, *Memorandum and Order*, (2011) Pgs. 7-8; *In the Matter of Beneficial Water Use Permit Nos. 41H 30012025 and 41H 30013629 by Utility Solutions LLC* (DNRC Final Order 2006) (mitigation of depletion required), *affirmed*, *Faust v. DNRC et al.*, Cause No. CDV-2006-886, Montana First Judicial District (2008); *see also*

Robert and Marlene Takle v. DNRC et al., Cause No. DV-92-323, Montana Fourth Judicial District for Ravalli County, *Opinion and Order* (June 23, 1994) (affirming DNRC denial of Applications for Beneficial Water Use Permit Nos. 76691-76H, 72842-76H, 76692-76H and 76070-76H; underground tributary flow cannot be taken to the detriment of other appropriators including surface appropriators and ground water appropriators must prove unappropriated surface water, citing *Smith v. Duff*, 39 Mont. 382, 102 P. 984 (1909), and *Perkins v. Kramer*, 148 Mont. 355, 423 P.2d 587 (1966)); *In the Matter of Beneficial Water Use Permit No. 80175-s76H by Tintzman* (DNRC Final Order 1993)(prior appropriators on a stream gain right to natural flows of all tributaries in so far as may be necessary to afford the amount of water to which they are entitled, citing *Loyning v. Rankin* (1946), 118 Mont. 235, 165 P.2d 1006; *Granite Ditch Co. v. Anderson* (1983), 204 Mont. 10, 662 P.2d 1312; *Beaverhead Canal Co. v. Dillon Electric Light & Power Co.* (1906), 34 Mont. 135, 85 P. 880); *In the Matter of Beneficial Water Use Permit No. 63997-42M by Joseph F. Crisafulli* (DNRC Final Order 1990) (since there is a relationship between surface flows and the ground water source proposed for appropriation, and since diversion by Applicant's well appears to influence surface flows, the ranking of the proposed appropriation in priority must be as against all rights to surface water as well as against all groundwater rights in the drainage).

47. Because the Applicant bears the burden of proof as to legal availability, the Applicant must prove that the proposed appropriation will not result in prestream capture or induced infiltration and cannot limit its analysis to ground water. Section 85-2-311(a)(ii), MCA. Absent such proof, the Applicant must analyze the legal availability of surface water in light of the proposed ground water appropriation. *In the Matter of Application for Beneficial Water Use Permit No. 41H 30023457 By Utility Solutions LLC* (DNRC Final Order 2007) (permit denied); *In the Matter of Application for Beneficial Water Use Permit No. 76H-30028713 by Patricia Skergan and Jim Helmer* (DNRC Final Order 2009); *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, (2011) Pg. 5 ; *Wesmont Developers v. DNRC*, CDV-2009-823, First Judicial District Court, *Memorandum and Order*, (2011) Pgs. 11-12.

48. Where a proposed ground water appropriation depletes surface water, Applicant must prove legal availability of amount of depletion of surface water throughout the period of

diversion either through a mitigation /aquifer recharge plan to offset depletions or by analysis of the legal demands on, and availability of, water in the surface water source. *Robert and Marlene Takle v. DNRC*, Cause No. DV-92-323, Montana Fourth Judicial District for Ravalli County, *Opinion and Order* (June 23, 1994); *In the Matter of Beneficial Water Use Permit Nos. 41H 30012025 and 41H 30013629 by Utility Solutions LLC* (DNRC Final Order 2006) (permits granted), *affirmed*, *Faust v. DNRC et al.*, Cause No. CDV-2006-886, Montana First Judicial District (2008); *In the Matter of Application for Beneficial Water Use Permit 41H 30019215 by Utility Solutions LLC* (DNRC Final Order 2007)(permit granted), *affirmed*, *Montana River Action Network et al. v. DNRC*, Cause No. CDV-2007-602, Montana First Judicial District (2008); *In the Matter of Application for Beneficial Water Use Permit No. 41H 30023457 by Utility Solutions LLC* (DNRC Final Order 2007) (permit denied for failure to analyze legal availability outside of irrigation season (where mitigation applied)); *In the Matter of Application for Beneficial Water Use Permit No. 41H 30026244 by Utility Solutions LLC* (DNRC Final Order 2008); *In the Matter of Application for Beneficial Water Use Permit No. 76H-30028713 by Patricia Skergan and Jim Helmer* (DNRC Final Order 2009)(permit denied in part for failure to analyze legal availability for surface water depletion); *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, (2011) Pg. 5 (Court affirmed denial of permit in part for failure to prove legal availability of stream depletion to slough and Beaverhead River); *Wesmont Developers v. DNRC*, CDV-2009-823, First Judicial District Court, *Memorandum and Order*, (2011) Pgs. 11-12 (“DNRC properly determined that Wesmont cannot be authorized to divert, either directly or indirectly, 205.09 acre-feet from the Bitterroot River without establishing that the water does not belong to a senior appropriator”; Applicant failed to analyze legal availability of surface water where projected surface water depletion resulted from groundwater pumping); *In the Matter of Application for Beneficial Water Use Permit No. 76D-30045578 by GBCI Other Real Estate, LLC* (DNRC Final Order 2011) (in an open basin, Applicant for a new water right can show legal availability by using a mitigation/aquifer recharge plan or by showing that any depletion to surface water by groundwater pumping will not take water already appropriated; development next to Lake Koocanusa will not take previously appropriated water). Applicant may use water right claims

of potentially affected appropriators as a substitute for “historic beneficial use” in analyzing legal availability of surface water Under § 85-2-360(5), MCA. *Royston, supra*.

49. Applicant has proven by a preponderance of the evidence that water can reasonably be considered legally available during the period in which the Applicant seeks to appropriate, in the maximum amount of 16.89 GPM, based on the records of the Department and other evidence provided to the Department. Section 85-2-311(1)(a)(ii), MCA. (FOF 14-17).

ADVERSE EFFECT

50. Pursuant to § 85-2-311(1)(b), MCA, the Applicant bears the affirmative burden of proving by a preponderance of the evidence that the water rights of a prior appropriator under an existing water right, a certificate, a permit, or a state water reservation will not be adversely affected. Analysis of adverse effect must be determined based on a consideration of an Applicant’s plan for the exercise of the permit that demonstrates that the Applicant’s use of the water will be controlled so the water right of a prior appropriator will be satisfied. *See Montana Power Co.*, 211 Mont. 91, 685 P.2d 336 (1984) (purpose of the Water Use Act is to protect senior appropriators from encroachment by junior users); *Bostwick Properties, Inc.*, ¶ 21.

51. An Applicant must analyze the full area of potential impact under the § 85-2-311, MCA criteria. *In the Matter of Beneficial Water Use Permit No. 76N-30010429 by Thompson River Lumber Company* (DNRC Final Order 2006). While § 85-2-361, MCA, limits the boundaries expressly required for compliance with the hydrogeologic assessment requirement, an Applicant is required to analyze the full area of potential impact for adverse effect in addition to the requirement of a hydrogeologic assessment. *Id.* ARM 36.12.120(5).

52. Applicant must prove that no prior appropriator will be adversely affected, not just the objectors. *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, 4 (2011).

53. In analyzing adverse effect to other appropriators, an Applicant may use the water rights claims of potentially affected appropriators as evidence of their “historic beneficial use.” *See Matter of Application for Change of Appropriation Water Rights Nos. 101960-41S and 101967-41S by Royston*, 249 Mont. 425, 816 P.2d 1054 (1991).

54. It is the Applicant's burden to produce the required evidence. *E.g., Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, 7 (2011) (legislature has placed the burden of proof squarely on the Applicant); *In the Matter of Application to Change Water Right No. 41H 1223599 by MGRR #1, LLC.*, (DNRC Final Order 2005). The Department is required to grant a permit only if the § 85-2-311, MCA, criteria are proven by the Applicant by a preponderance of the evidence. *Bostwick Properties, Inc.*, ¶ 21.

55. Section 85-2-311 (1)(b) of the Water Use Act does not contemplate a de minimis level of adverse effect on prior appropriators. *Wesmont Developers v. DNRC*, CDV-2009-823, First Judicial District Court, *Memorandum and Order*, 8 (2011).

56. The Applicant has proven by a preponderance of the evidence that the water rights of a prior appropriator under an existing water right, a certificate, a permit, or a state water reservation will not be adversely affected. Section 85-2-311(1)(b), MCA. (FOF 18-21).

ADEQUATE DIVERSION

57. Pursuant to § 85-2-311(1)(c), MCA, an Applicant must demonstrate that the proposed means of diversion, construction, and operation of the appropriation works are adequate.

58. The adequate means of diversion statutory test merely codifies and encapsulates the case law notion of appropriation to the effect that the means of diversion must be reasonably effective, i.e., must not result in a waste of the resource. *In the Matter of Application for Beneficial Water Use Permit No. 33983s41Q by Hoyt* (DNRC Final Order 1981); § 85-2-312(1)(a), MCA.

59. Applicant has proven by a preponderance of the evidence that the proposed means of diversion, construction, and operation of the appropriation works are adequate for the proposed beneficial use. Section 85-2-311(1)(c), MCA (FOF 22-30).

BENEFICIAL USE

60. Under § 85-2-311(1)(d), MCA, an Applicant must prove by a preponderance of the evidence the proposed use is a beneficial use.

61. An appropriator may appropriate water only for a beneficial use. See also, § 85-2-301 MCA. It is a fundamental premise of Montana water law that beneficial use is the basis, measure, and limit of the use. *E.g., McDonald; Toohey v. Campbell* (1900), 24 Mont. 13, 60 P. 396. The amount of water under a water right is limited to the amount of water necessary to sustain the beneficial use. *E.g., Bitterroot River Protective Association v. Siebel, Order on Petition for Judicial Review*, Cause No. BDV-2002-519, Montana First Judicial District Court, Lewis and Clark County (2003), *affirmed on other grounds*, 2005 MT 60, 326 Mont. 241, 108 P.3d 518; *In The Matter Of Application For Beneficial Water Use Permit No. 43C 30007297 by Dee Deaterly* (DNRC Final Order), *affirmed other grounds, Dee Deaterly v. DNRC*, Cause No. 2007-186, Montana First Judicial District, *Order Nunc Pro Tunc on Petition for Judicial Review* (2009); *Worden v. Alexander* (1939), 108 Mont. 208, 90 P.2d 160; *Allen v. Petrick* (1924), 69 Mont. 373, 222 P. 451; *In the Matter of Application for Beneficial Water Use Permit No. 41S-105823 by French* (DNRC Final Order 2000).

62. Amount of water to be diverted must be shown precisely. *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, 3 (2011) (citing *BRPA v. Siebel*, 2005 MT 60, and rejecting Applicant's argument that it be allowed to appropriate 800 acre-feet when a typical year would require 200-300 acre-feet).

63. It is the Applicant's burden to produce the required evidence. *Bostwick Properties, Inc. v. DNRC*, 2013 MT 48, ¶ 22, 369 Mont. 150, 296 P.3d 1154 ("issuance of the water permit itself does not become a clear, legal duty until [the applicant] proves, by a preponderance of the evidence, that the required criteria have been satisfied"); *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, (2011) Pg. 7; *In the Matter of Application to Change Water Right No. 41H 1223599 by MGRR #1, LLC.*, (DNRC Final Order 2005); *see also Royston; Ciotti*.

64. Applicant proposes to use water for a municipal purpose which is a recognized beneficial use. Section 85-2-102(5), MCA. Applicant has proven by a preponderance of the evidence municipal is a beneficial use and with modifications, 16.98 GPM is the amount available to sustain the beneficial use. Section 85-2-311(1)(d), MCA. (FOF 31-36).

POSSESSORY INTEREST

65. Pursuant to § 85-2-311(1)(e), MCA, an Applicant must prove by a preponderance of the evidence that it has a possessory interest or the written consent of the person with the possessory interest in the property where the water is to be put to beneficial use, or if the proposed use has a point of diversion, conveyance, or place of use on national forest system lands, the Applicant has any written special use authorization required by federal law to occupy, use, or traverse national forest system lands for the purpose of diversion, impoundment, storage, transportation, withdrawal, use, or distribution of water under the permit.

66. Pursuant to ARM 36.12.1802:

(1) An Applicant or a representative shall sign the application affidavit to affirm the following:

(a) the statements on the application and all information submitted with the application are true and correct and

(b) except in cases of an instream flow application, or where the application is for sale, rental, distribution, or is a municipal use, or in any other context in which water is being supplied to another and it is clear that the ultimate user will not accept the supply without consenting to the use of water on the user's place of use, the Applicant has possessory interest in the property where the water is to be put to beneficial use or has the written consent of the person having the possessory interest.

(2) If a representative of the Applicant signs the application form affidavit, the representative shall state the relationship of the representative to the Applicant on the form, such as president of the corporation, and provide documentation that establishes the authority of the representative to sign the application, such as a copy of a power of attorney.

(3) The department may require a copy of the written consent of the person having the possessory interest.

67. The Applicant has proven by a preponderance of the evidence that it has a possessory interest, or the written consent of the person with the possessory interest, in the property where the water is to be put to beneficial use. Section 85-2-311(1)(e), MCA. (FOF 37-39).

PRELIMINARY DETERMINATION

Subject to the terms, analysis, and conditions in this Order, the Department preliminarily determines that this Application for Beneficial Water Use Permit No. 76M 30165209 should be GRANTED IN MODIFIED FORM.

The Department determines the Applicant may divert water from the developed spring, from January 1 to December 31, at a maximum overall flow rate of 16.98 GPM, from a point in Govt. Lot 1, in the NWNENE of Section 3, T14N, R23W, Mineral County for municipal use from January 1 to December 31. The monthly diverted flow rate authorized for each month is as follows: 16.91 GPM in January; 16.65 GPM in February; 16.93 GPM in March; 16.68 GPM in April; 16.98 GPM in May; 15.88 GPM in June; 13.45 GPM in July; 14.06 GPM in August; 10.89 GPM in September; 15.94 GPM in October; 15.16 GPM in November; and up to 15.75 GPM in December. The authorized place of use is located in Govt. Lot 6 in the S2NENE of Section 3, Govt. Lot 5 in the S2NWNW of Section 2, Govt. Lot 10 in the S2SWNE of Section 2, Govt. Lot 11 in the SENW of Section 2 and Govt. Lot 12 in the N2SWNW of Section 2, all in T14N, R23W, Mineral County.

This authorization is subject to the following condition to meet the beneficial use criterion:

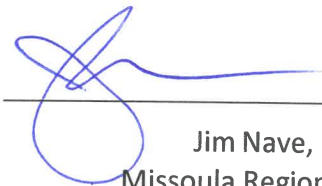
IMPORTANT INFORMATION

THIS WATER RIGHT CANNOT BE OPERATED WITHOUT THE USE OF DEVELOPED SPRING CLAIM 76M 45355-00.

NOTICE

The Department will provide a notice of opportunity for public comment on this application and the Department's Draft Preliminary Determination to Grant in Modified Form pursuant to § 85-2-307, MCA. The Department will set a deadline for public comments to this application pursuant to §§ 85-2-307, and -308, MCA. If this application receives public comment pursuant to § 85-2-307(4), the Department shall consider the public comments, respond to the public comments, and issue a preliminary determination to grant the application, grant the application in modified form, or deny the application. If no public comments are received pursuant to § 85-2-307(4), MCA, the Department's preliminary determination will be adopted as the final determination.

Dated this 15th day of September 2026



Jim Nave, Manager
Missoula Regional Office

Montana Department of Natural Resources and Conservation

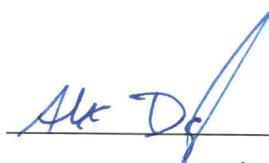
CERTIFICATE OF SERVICE

This certifies that a true and correct copy of the Draft Preliminary Determination to Grant in Modified Form was served upon all parties listed below on this 15th day of September, 2026 by first class United States mail.

TOWN OF ALBERTON
PO BOX 115
ALBERTON, MT 59820-0115

AND

WATER AND ENVIRONMENTAL TECHNOLOGIES
C/O CHRISTINA EGGENSBERGER
480 E PARK ST
BUTTE, MT 59701-1923



Alex Dagleish
Water Conservation Specialist
Missoula Regional Office
Alexander.dagleish@mt.gov | (406) 542-5886

From: [Dagleish, Alex](#)
To: ["Christina Eggensperger"](#)
Cc: [Pat Thomson](#)
Subject: RE: Alberton Permit 76M 30165209 Correct & Complete
Date: Monday, August 31, 2026 9:41:00 AM
Attachments: [image001.png](#)

Hey Christina,

Thank you. The Department will now update the Draft PD within 60 days of last Friday (8/28), when you provided the additional information. The deadline to deliver the updated Draft PD is 10/27.

Please reach out with any questions,



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C
DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov
[Website](#) | [Facebook](#) | [X \(Twitter\)](#) | [Instagram](#)
How did we do? Let us know here: [Feedback Survey](#)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>
Sent: Friday, August 28, 2026 4:41 PM
To: Dagleish, Alex <Alexander.Dagleish@mt.gov>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: [EXTERNAL] RE: Alberton Permit 76M 30165209 Correct & Complete

Hi Alex,

Thank you for the 2-week extension. The only small update the team wanted to add was that there is UV disinfection on the wastewater treatment system.

Thank you!

Christina Eggensperger, P.E., MS
ceggensperger@waterenvtech.com
406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dalglish, Alex <Alexander.Dalglish@mt.gov>
Sent: Monday, August 17, 2026 8:43 AM
To: Christina Eggensperger <ceggensperger@waterenvtech.com>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: RE: Alberton Permit 76M 30165209 Correct & Complete

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Good Morning Christina,

Please find attached the Extension Letter. The 14 day deadline to provide additional information is Monday August 31st.

Thanks,



Alex Dalglish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C
DESK: 406-542-5886 **EMAIL:** alexander.dalglish@mt.gov
[Website](#) | [Facebook \[facebook.com\]](#) | [X \(Twitter \[twitter.com\]\)](#) | [Instagram \[instagram.com\]](#)
How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](#)

From: Dalglish, Alex
Sent: Friday, August 14, 2026 4:09 PM
To: Christina Eggensperger <ceggensperger@waterenvtech.com>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: RE: Alberton Permit 76M 30165209 Correct & Complete

Ok, I will send the Applicant (and CC you via email) a letter Monday, notifying you both of the two-week deadline to submit additional information. The deadline will be Monday August 31st.

Alex Dalglish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C



DESK: 406-542-5886 EMAIL: alexander.dagleish@mt.gov

[Website](#) | [Facebook](#) [facebook.com] | [X \(Twitter\)](#) [twitter.com] | [Instagram](#) [instagram.com]

How did we do? Let us know here: [Feedback Survey](https://forms.office.com) [forms.office.com]

From: Christina Eggensperger <ceggensperger@waterenvtech.com>
Sent: Friday, August 14, 2026 2:55 PM
To: Dagleish, Alex <Alexander.Dagleish@mt.gov>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: [EXTERNAL] Re: Alberton Permit 76M 30165209 Correct & Complete

Hi Alex,

A 2 week extension would be great. Thank you!

Christina

From: Dagleish, Alex <Alexander.Dagleish@mt.gov>
Sent: Friday, 14 August 2026 14:14:52
To: Christina Eggensperger <ceggensperger@waterenvtech.com>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: RE: Alberton Permit 76M 30165209 Correct & Complete

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Christina,

Yes, I can count your email as a request for extension to submit additional information. Per 85-2-307(3)(a), the Department may grant an extension of up to 180 days. How much time do you need?

Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C
DESK: 406-542-5886 EMAIL: alexander.dagleish@mt.gov



[Website](#) | [Facebook \[facebook.com\]](#) | [X \(Twitter \[twitter.com\]\)](#) | [Instagram \[instagram.com\]](#)

How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](#)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>
Sent: Friday, August 14, 2026 1:54 PM
To: Dalglish, Alex <Alexander.Dalglish@mt.gov>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: [EXTERNAL] RE: Alberton Permit 76M 30165209 Correct & Complete

Excellent.

Could this email count as the two week extension request?

Christina Eggensperger, P.E., MS
ceggensperger@waterenvtech.com
406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dalglish, Alex <Alexander.Dalglish@mt.gov>
Sent: Friday, August 14, 2026 1:45 PM
To: Christina Eggensperger <ceggensperger@waterenvtech.com>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: RE: Alberton Permit 76M 30165209 Correct & Complete

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Great, glad you received it. Yes you can request an extension via email.

Alex Dalglish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C
DESK: 406-542-5886 **EMAIL:** alexander.dalglish@mt.gov



[Website](#) | [Facebook \[facebook.com\]](#) | [X \(Twitter \[twitter.com\]\)](#) | [Instagram \[instagram.com\]](#)

How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](#)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>
Sent: Friday, August 14, 2026 1:26 PM
To: Dalglish, Alex <Alexander.Dalglish@mt.gov>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: [EXTERNAL] RE: Alberton Permit 76M 30165209 Correct & Complete

Hi Alex,

Yes I have this in my mailbox. Are we able to respond via email for the extension?

Christina Eggensperger, P.E., MS
ceggensperger@waterenvtech.com
406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dalglish, Alex <Alexander.Dalglish@mt.gov>
Sent: Friday, August 14, 2026 12:58 PM
To: Christina Eggensperger <ceggensperger@waterenvtech.com>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: RE: Alberton Permit 76M 30165209 Correct & Complete

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Hey Christina,

I mailed out the attached cover letter and Draft Preliminary Determination to you and the Applicant on July 24, 2026. Did you receive it?

The Applicant has 15 business days from July 24th to request an extension to submit additional information for the Department to consider. That deadline is today August 14.



Alex Dalglish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dalglish@mt.gov

[Website](#) | [Facebook \[facebook.com\]](#) | [X \(Twitter \[twitter.com\]\)](#) | [Instagram \[instagram.com\]](#)

How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](#)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>

Sent: Friday, August 14, 2026 12:39 PM

To: Dalglish, Alex <Alexander.Dalglish@mt.gov>

Cc: Pat Thomson <pthomson@waterenvtech.com>

Subject: [EXTERNAL] RE: Alberton Permit 76M 30165209 Correct & Complete

Hey Alex,

Just checking in about the Alberton permit update. Have a great weekend!

Christina Eggensperger, P.E., MS

ceggensperger@waterenvtech.com

406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dalglish, Alex <Alexander.Dalglish@mt.gov>

Sent: Friday, May 29, 2026 3:00 PM

To: Christina Eggensperger <ceggensperger@waterenvtech.com>

Cc: Pat Thomson <pthomson@waterenvtech.com>

Subject: Alberton Permit 76M 30165209 Correct & Complete

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails*

to itsupport

Hey Christina,

I've reviewed the deficiency response and determined that Alberton's permit application is correct and complete. The attached letter was mailed out yesterday and wanted to provide you with a copy sooner.

The Department will now complete the Draft Preliminary Determination within 60 days, or by July 27, 2026.

Sincerely,



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov

[Website](#) | [Facebook \[facebook.com\]](https://facebook.com) | [X \(Twitter \[twitter.com\]\)](https://twitter.com) | [Instagram \[instagram.com\]](https://instagram.com)

How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](https://forms.office.com)



Missoula Water Resources Regional Office
PO Box 5004
2705 Spurgin Road, Bldg. C
Missoula, MT 59806-5004
(406) 721-4284

August 17, 2026

Town of Alberton
PO Box 115
Alberton MT 59820-0115

Subject: Request for extension of time to submit additional information for Beneficial Water Use Permit Application No. 76M 30165209

Dear Applicant,

The Department of Natural Resources and Conservation (Department or DNRC) has granted your request for an extension of time for the purpose of submitting additional information for the consideration of Beneficial Water Use Permit Application No. 76M 30165209.

You have 14 days to submit additional information to the Missoula Regional Office. Please note that additional information submitted may be considered an amendment to your application, which may reset application timelines pursuant to ARM 36.12.1401. Should the Department consider additional information submitted to be an amendment to the application, the applicant will be required to submit an Application Amendment Form (Form 655).



Pursuant to §85-2-307(3)(b), MCA, the Department shall issue an updated Draft Preliminary Determination (PD) within 60 days of the earliest date of either the extension deadline set, or the Department's receipt of written notice from Applicant attesting that all information to be considered has been submitted to the Department.

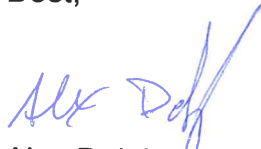
If the Department's updated Draft PD is to deny the application, you will be notified, and your application will be forwarded to the DNRC Hearings Unit to schedule a hearing to show cause why your application should not be denied, per §85-2-310(1), MCA.

If the Department's updated Draft PD is to grant the application or to grant the application in modified form, you will be notified, and the Department will then prepare a notice of opportunity to provide public comment on the updated Draft PD to Grant or Grant in Modified Form, per §85-2-307(4), MCA.

If you determine you do not intend to further pursue this application, you can request the application to be withdrawn at any time during this process.

Please let me know if you have any questions.

Best,



Alex Dalglish
Water Resource Specialist
Missoula Regional Office
(406)-542-5886
Alexander.dalglish@mt.gov

CC:

Water & Environmental Technologies
c/o Christina Eggensperger via email (ceggensperger@waterenvtech.com)



**BEFORE THE DEPARTMENT OF
NATURAL RESOURCES AND CONSERVATION
OF THE STATE OF MONTANA**

* * * * *

APPLICATION FOR BENEFICIAL WATER USE PERMIT NO. 76M 30165209 BY TOWN OF ALBERTON	}	DRAFT PRELIMINARY DETERMINATION TO GRANT PERMIT IN MODIFIED FORM
---	---	---

* * * * *

On January 21, 2026, the Town of Alberton submitted Application for Beneficial Water Use Permit No. 76M 30165209 to the Missoula Regional Office of the Department of Natural Resources and Conservation (Department or DNRC) for 20 GPM for municipal purposes. The Department published receipt of the application on its website on January 30, 2026. The Department sent the Applicant a deficiency letter under § 85-2-302, Montana Code Annotated (MCA), dated January 30, 2026. The Applicant responded with information on May 8, 2026. Department employees Alex Dalgleish, Benjamin Thomas and Jim Nave met with the Applicant's consultants Christina Eggensperger and Pat Thompson from Water and Environmental Technologies (WET) and conducted a preapplication meeting on January 21, 2025. At this meeting, the Applicant's consultants designated that the technical analyses for this application would be completed by the Department. The Applicant's consultant submitted the Preapplication Meeting Form on May 29, 2025. The Department returned the Preapplication Meeting Form to the consultant on May 30, 2025, because it was inadequately completed. The Applicant's consultant resubmitted the Preapplication Meeting Form on June 10, 2025, but the follow up signature page was incomplete. The Department received the completed signature page on July 16, 2026, and the preapplication materials were determined to be adequately completed on July 17, 2025. The Department delivered the Department-completed technical analyses on August 29, 2025. The application was determined to be correct and complete as of May 28, 2026. An Environmental Assessment for this application was completed on June 1, 2026.

INFORMATION

The Department considered the following information submitted by the Applicant, which is contained in the administrative record.

Application as filed:

- Application for Beneficial Water Use Permit, Form 600
- Attachments:
 - Ultra Mag Flow Meter Specification Sheets
- Maps:
 - Spring Location Map, dated December 22, 2025
 - Spring Location Map, dated June 2, 2025
 - Maps showing conveyance infrastructure, undated
- Department-completed Technical Analyses Report based on information provided in the Preapplication Meeting Form, dated August 29, 2025
- 2024 developed spring flow measurement data (Excel document) from Applicant, undated, received May 29, 2025

Information Received after Application Filed

- Department Deficiency letter, dated January 30, 2026
- Deficiency response, dated May 5, 2026, received by the Department May 8, 2026
- Email correspondence between consultants (Christina Eggensperger and Pat Thompson) and Department (Alex Dalgleish) RE: RE: Deficiency letter for Beneficial Water Use Permit Application No. 76M 30165209, dated May 13, 2026

Information within the Department's Possession/Knowledge

- Email correspondence between consultant and Department, dated May 29, 2025
- Department Phone Memorandum, dated June 30, 2025
- Spring Schematic diagram and email correspondence, dated June 30, 2025
- Department Technical Analysis Deadline email correspondence, dated July 31, 2025
- Email correspondence between the Department and Christina Eggensperger RE: Alberton, dated July 16, 2025

- The Department also routinely considers the following information. The following information is not included in the administrative file for this application but is available upon request. Please contact the Missoula Regional Office at 406-721-4284 to request copies of the following documents.
 - Department Permit Application Manual, dated February 14, 2025

The Department has fully reviewed and considered the evidence and argument submitted in this application and preliminarily determines the following pursuant to the Montana Water Use Act (Title 85, chapter 2, part 3, MCA).

For the purposes of this document, Department or DNRC means the Department of Natural Resources & Conservation; CFS means cubic feet per second; GPM means gallons per minute; AF means acre-feet; POU means place of use, POD means point of diversion, AF/YR means acre-feet per year, and Govt. means Government.

PROPOSED APPROPRIATION

FINDINGS OF FACT

1. The Applicant proposes to divert groundwater up to 20 gallons per minute (GPM) for municipal purposes, by means of a developed spring. No volume is proposed under this permit. The period of diversion and period of use are year-round from January 1 through December 31. The developed spring point of diversion (POD) is in Government (Govt.) Lot 1 in the NWNENE of Sec. 3, T14N, R23W, Mineral County. The POD is in the Clark Fork, between Blackfoot and Flathead Rivers, sub-basin (76M), in an area that is not subject to water right basin closures or controlled ground water area restrictions. The proposed municipal place of use (POU) is in Govt. Lot 6 in the S2NENE Sec. 3, Govt. Lot 5 in the S2NWNW, Govt. Lot 12 in the N2SWNW, Govt. Lot 11 in the SENW, Govt. Lot 10 in the S2SWNE, Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE Sec. 2, all in T14N, R23W, Mineral County. Table 1 below provides a summary of the proposed use.

Table 1: Summary of Proposed Use

Flow Rate	Volume	Purpose	Period Of Use	Place Of Use	Point Of Diversion	Priority Date
20 GPM	0 AF	Municipal	1/1 – 12-31	Govt. Lot 6 in the S2NENE Sec. 3, Govt. Lot 5 in the S2NWNW, Govt. Lot 12 in the N2SWNW, Govt. Lot 11 in the SENW, Govt. Lot 10 in the S2SWNE, Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE Sec. 2, all in T14N, R23W, Mineral County	Govt. Lot 1 in the NWNENE Section 3, Township 14N, Range 23W, Mineral County	1/21/2026

2. The developed spring POD is located approximately 0.40 miles (2,112 feet) northeast from the Clark Fork River.

3. The developed spring is an existing diversion that currently provides water to the Town of Alberton for municipal purposes under Statement of Claim 76M 45355-00 (priority 01/30/1923), authorizing 50 GPM and 80.86 AF/YR. Municipal water is also provided to the Town of Alberton by Provisional Permit 76M 13904-00 (priority 7/8/1977), which authorizes 120 GPM and 161.0 AF from a single groundwater well in the NWNENE of Sec. 3, T14N, R23W. The Applicant's proposed permit will provide supplemental flow rate to Statement of Claim 76M 45355-00 via the shared point of diversion, and is considered supplemental by purpose and place of use to Provisional Permit 76M 13904-00. Under this proposal, additional flow rate will be diverted from the developed spring and distributed across the same POU using the existing infrastructure. The proposed POU will be identical to that listed and authorized by the Applicant's existing municipal rights 76M 45355-00 and 76M 13904-00.

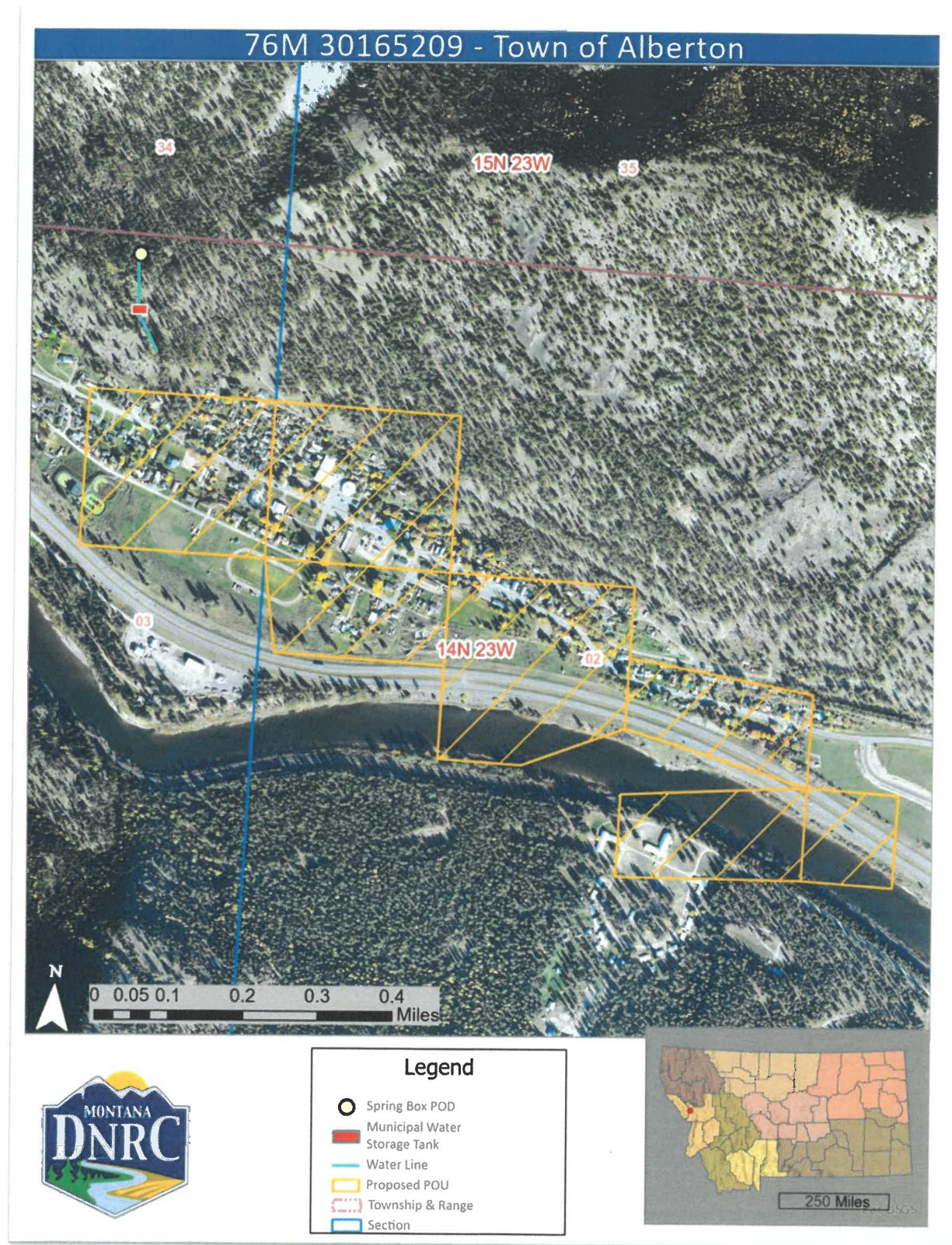


Figure 1. Map of Proposed Appropriation Under Permit 76M 30165209

BENEFICIAL WATER USE PERMIT CRITERIA (§ 85-2-311, MCA)

GENERAL CONCLUSIONS OF LAW

4. The Montana Constitution expressly recognizes in relevant part that:
- (1) All existing rights to the use of any waters for any useful or beneficial purpose are hereby recognized and confirmed.
 - (2) The use of all water that is now or may hereafter be appropriated for sale, rent, distribution, or other beneficial use . . . shall be held to be a public use.
 - (3) All surface, underground, flood, and atmospheric waters within the boundaries of the state are the property of the state for the use of its people and are subject to appropriation for beneficial uses as provided by law.

Mont. Const. Art. IX, § 3. While the Montana Constitution recognizes the need to protect senior appropriators, it also recognizes a policy to promote the development and use of the waters of the state by the public. This policy is further expressly recognized in the water policy adopted by the Legislature codified at § 85-2-102, MCA, which states in relevant part:

- (1) Pursuant to Article IX of the Montana constitution, the legislature declares that any use of water is a public use and that the waters within the state are the property of the state for the use of its people and are subject to appropriation for beneficial uses as provided in this chapter. . . .
- (3) It is the policy of this state and a purpose of this chapter to encourage the wise use of the state's water resources by making them available for appropriation consistent with this chapter and to provide for the wise utilization, development, and conservation of the waters of the state for the maximum benefit of its people with the least possible degradation of the natural aquatic ecosystems. In pursuit of this policy, the state encourages the development of facilities that store and conserve waters for beneficial use, for the maximization of the use of those waters in Montana . . .

5. Pursuant to § 85-2-302(1), MCA, except as provided in §§ 85-2-306 and 85-2-369, MCA, a person may not appropriate water or commence construction of diversion, impoundment, withdrawal, or related distribution works except by applying for and receiving a permit from the Department. *See* § 85-2-102(1), MCA. An Applicant in a beneficial water use permit proceeding must affirmatively prove all of the applicable criteria in § 85-2-311, MCA. Section § 85-2-311(1) states in relevant part:

- ... the department shall issue a permit if the Applicant proves by a preponderance of evidence that the following criteria are met:
- (a) (I) there is water physically available at the proposed point of diversion in the amount that the Applicant seeks to appropriate; and

- (ii) water can reasonably be considered legally available during the period in which the Applicant seeks to appropriate, in the amount requested, based on the records of the department and other evidence provided to the department. Legal availability is determined using an analysis involving the following factors:
- (A) identification of physical water availability;
 - (B) identification of existing legal demands on the source of supply throughout the area of potential impact by the proposed use; and
 - (C) analysis of the evidence on physical water availability and the existing legal demands, including but not limited to a comparison of the physical water supply at the proposed point of diversion with the existing legal demands on the supply of water.
- (b) the water rights of a prior appropriator under an existing water right, a certificate, a permit, or a state water reservation will not be adversely affected. In this subsection (1)(b), adverse effect must be determined based on a consideration of an Applicant's plan for the exercise of the permit that demonstrates that the Applicant's use of the water will be controlled so the water right of a prior appropriator will be satisfied;
- (c) the proposed means of diversion, construction, and operation of the appropriation works are adequate;
- (d) the proposed use of water is a beneficial use;
- (e) the Applicant has a possessory interest or the written consent of the person with the possessory interest in the property where the water is to be put to beneficial use, or if the proposed use has a point of diversion, conveyance, or place of use on national forest system lands, the Applicant has any written special use authorization required by federal law to occupy, use, or traverse national forest system lands for the purpose of diversion, impoundment, storage, transportation, withdrawal, use, or distribution of water under the permit;
- (f) the water quality of a prior appropriator will not be adversely affected;
- (g) the proposed use will be substantially in accordance with the classification of water set for the source of supply pursuant to 75-5-301(1); and
- (h) the ability of a discharge permit holder to satisfy effluent limitations of a permit issued in accordance with Title 75, chapter 5, part 4, will not be adversely affected.
- (2) The Applicant is required to prove that the criteria in subsections (1)(f) through (1)(h) have been met only if a valid objection is filed. A valid objection must contain substantial credible information establishing to the satisfaction of the department that the criteria in subsection (1)(f), (1)(g), or (1)(h), as applicable, may not be met. For the criteria set forth in subsection (1)(g), only the department of environmental quality or a local water quality district established under Title 7, chapter 13, part 45, may file a valid objection.

To meet the preponderance of evidence standard, "the Applicant, in addition to other evidence demonstrating that the criteria of subsection (1) have been met, shall submit hydrologic or other evidence, including but not limited to water supply data, field reports, and other information developed by the Applicant, the department, the U.S. geological survey, or

the U.S. natural resources conservation service and other specific field studies.” Section 85-2-311(5), MCA (emphasis added). The determination of whether an application has satisfied the § 85-2-311, MCA criteria is committed to the discretion of the Department. *Bostwick Properties, Inc. v. Montana Dept. of Natural Resources and Conservation*, 2009 MT 181, ¶ 21. The Department is required grant a permit only if the § 85-2-311, MCA, criteria are proven by the Applicant by a preponderance of the evidence. *Id.* A preponderance of evidence is “more probably than not.” *Hohenlohe v. DNRC*, 2010 MT 203, ¶¶ 33, 35, 357 Mont. 438, 240 P.3d 628.

6. Pursuant to § 85-2-312, MCA, the Department may condition permits as it deems necessary to meet the statutory criteria:

(1) (a) The department may issue a permit for less than the amount of water requested, but may not issue a permit for more water than is requested or than can be beneficially used without waste for the purpose stated in the application. The department may require modification of plans and specifications for the appropriation or related diversion or construction. The department may issue a permit subject to terms, conditions, restrictions, and limitations it considers necessary to satisfy the criteria listed in 85-2-311 and subject to subsection (1)(b), and it may issue temporary or seasonal permits. A permit must be issued subject to existing rights and any final determination of those rights made under this chapter.

E.g., Montana Power Co. v. Carey (1984), 211 Mont. 91, 96, 685 P.2d 336, 339 (requirement to grant applications as applied for, would result in, “uncontrolled development of a valuable natural resource” which “contradicts the spirit and purpose underlying the Water Use Act.”); *see also, In the Matter of Application for Beneficial Water Use Permit No. 65779-76M by Barbara L. Sowers* (DNRC Final Order 1988)(conditions in stipulations may be included if it further compliance with statutory criteria); *In the Matter of Application for Beneficial Water Use Permit No. 42M-80600 and Application for Change of Appropriation Water Right No. 42M-036242 by Donald H. Wyrick* (DNRC Final Order 1994); Admin. R. Mont. (ARM) 36.12.207.

7. The Montana Supreme Court further recognized in *Matter of Beneficial Water Use Permit Numbers 66459-76L, Ciotti: 64988-G76L, Starnier*, 278 Mont. 50, 60-61, 923 P.2d 1073, 1079, 1080 (1996), *superseded by legislation on another issue*:

Nothing in that section [85-2-313], however, relieves an Applicant of his burden to meet the statutory requirements of § 85-2-311, MCA, before DNRC may issue that provisional permit. Instead of resolving doubts in favor of appropriation, the Montana Water Use Act requires an Applicant to make explicit statutory showings that there are unappropriated waters in the source of supply, that the water rights of a prior appropriator will not be adversely affected, and that the proposed use will not unreasonably interfere with a planned use for which water has been reserved.

See also, Wesmont Developers v. DNRC, CDV-2009-823, First Judicial District Court,

Memorandum and Order (2011). The Supreme Court likewise explained that:

.... unambiguous language of the legislature promotes the understanding that the Water Use Act was designed to protect senior water rights holders from encroachment by junior appropriators adversely affecting those senior rights.

Montana Power Co., 211 Mont. at 97-98, 685 P.2d at 340; *see also* Mont. Const. art. IX § 3(1).

8. An appropriation, diversion, impoundment, use, restraint, or attempted appropriation, diversion, impoundment, use, or restraint contrary to the provisions of § 85-2-311, MCA is invalid. An officer, agent, agency, or employee of the state may not knowingly permit, aid, or assist in any manner an unauthorized appropriation, diversion, impoundment, use, or other restraint. A person or corporation may not, directly or indirectly, personally or through an agent, officer, or employee, attempt to appropriate, divert, impound, use, or otherwise restrain or control waters within the boundaries of this state except in accordance with this § 85-2-311, MCA. Section 85-2-311(6), MCA.

9. The Department may take notice of judicially cognizable facts and generally recognized technical or scientific facts within the Department's specialized knowledge, as specifically identified in this document. ARM 36.12.221(4).

PHYSICAL AVAILABILITY

FINDINGS OF FACT

10. The source of water is a developed spring and the Applicant requests to divert up to 20 GPM annually from January 1 through December 31 for municipal purposes. Per ARM 36.12.1703(1), Permit Application Criteria- Physical Groundwater Availability, Applications for

groundwater from a developed spring are required to collect monthly flow measurements during the proposed period of diversion. To satisfy this requirement, the Applicant's consultant submitted flow measurement data collected over 12 months during 2024. The data was recorded and collected daily at five-minute intervals with an Ultra Mag in-line flow meter, which is located on the water line below the spring source. As submitted, the Applicant's raw data contained over 100,000 measurements ranging from negative figures, up to a high of 154.8 GPM.

11. From the 2024 data, the Applicant's consultant explained that high values above 67 GPM and low values below 1 GPM were not representative of the developed spring's flow rate and further clarified that the diverse range of measurement data was the result of head pressure in the system. On the pipeline conveying water from the developed spring, an altitude valve is situated near the Ultra Mag flow meter in a chlorination shed. The valve opens and closes as water is needed. When the altitude valve closes, the flow meter records very low values (i.e. below 1 GPM), and when it opens, the built-up pressure results in high recorded values that are not representative of the flow rate. Once the pressure stabilizes, the valve remains open and water flows through the line at a steady rate of approximately 67 GPM. Based on the Applicant's description of the system and the flow data, this value is representative of the true flow rate of the developed spring.

12. The Applicant's consultant stated that the maximum value (within the open-flow period of the altitude valve when flow rate was steady) was taken for each day of the month and used to demonstrate physical availability. Of those values, the two highest values below 67 GPM were considered by the Applicant's consultant to be representative of the maximum flow rate for each month. These values are shown in Table 2 below.

Table 2. Two highest montly values below 67 GPM

Month	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Flow Rate	66.91	66.65	66.93	66.68	66.98	65.88	63.45	64.06	60.89	65.94	65.16	65.75
(GPM)	66.89	66.58	66.93	66.44	66.91	64.93	62.51	61	60.35	65.67	65.06	65.43

13. The Department finds groundwater to be physically available at the requested flow rate of 20 GPM.

LEGAL AVAILABILITY

FINDINGS OF FACT

14. The Applicant owns existing municipal Statement of Claim 76M 45355-00, which authorizes a flow rate of 50 GPM and a total diverted volume of 80.86 AF/YR from the developed spring proposed for use by this application. Using the monthly flow data represented in Table 2 of Finding of Fact No. 12, the Department evaluated the flow of water that is legally available for this proposed appropriation.

15. Per ARM 36.12.1704, the Department compared the physical water supply with the legal demands of the developed spring. This is represented in Table 3 below, and indicates that water is not legally available for the proposed appropriation of 20 GPM during any month of the year.

Table 3: Town of Alberton Developed Spring Legal Availability

Month	Maximum Measured Flow Rate (GPM)	Existing Legal Demands (GPM)	Legally Available Flow Rate (GPM)
January	66.91	50	16.91
February	66.65	50	16.65
March	66.93	50	16.93
April	66.68	50	16.68
May	66.98	50	16.98
June	65.88	50	15.88
July	63.45	50	13.45
August	64.06	50	14.06
September	60.89	50	10.89
October	65.94	50	15.94
November	65.16	50	15.16
December	65.75	50	15.75

16. The existing legal flow rate demands of the developed spring are 50 GPM while the maximum representative (below 67 GPM) flow rate of the spring was 66.98 GPM in May. The Department finds that the amount of groundwater the Applicant seeks to appropriate, 20 GPM,

is not legally available from the developed spring source due to a deficit (of legally available flow) in all 12 months of the proposed period of appropriation.

17. This application was filed to come into compliance with the Montana Water Use Act. The Applicant has historically diverted the entire flow of the developed spring into their municipal water supply system. Past water measurements taken by the Applicant show that they are exceeding the 50 GPM limitation of statement of claim 76M 45355-00. The Applicant has shown water is legally available in each month of the year, although in amounts less than requested. The Department finds the legal availability criterion for this application to be met with the modification of the maximum flow rate to 16.98 GPM for the municipal purpose and a variable monthly diversion rate based on the legally available flow rate values in Table 3 in Finding of Fact No. 15 above.

ADVERSE EFFECT

FINDINGS OF FACT

18. This proposed appropriation requests additional flow from the developed spring (no extra volume). This spring is used by existing Claim 76M 45355-00 (priority 1/30/1923) for municipal purposes. The Applicant owns this right for a flow rate up to 50 GPM and 80.86 AF.

19. The Applicant stated that if a call for water is made, they would close the altitude valve and the entirety of the flow from the spring would move down the drainage. Additionally, closure or adjustment of the valve could limit the flow rate to an average of 50 GPM to align with the maximum use under senior Claim 76M 45355-00.

20. The Applicant is the only water user on the source of supply (developed spring). Any impacts under the proposed permit would occur to the Applicant's own right. It is reasonable that the Applicant will operate their water system in a manner to optimize their municipal water needs.

21. The Department finds that the Applicant's plan to control their water use to not create adverse effect to prior appropriations meets the adverse effect criteria by a preponderance of evidence.

ADEQUATE MEANS OF DIVERSION

FINDINGS OF FACT

22. The developed spring has existed since at least 1923 when the Applicant's first water right (76M 45355-00) was used on this source for 50 GPM and 80.86 AF/YR. The Applicant proposes to use the existing means of diversion and conveyance under Claim No. 76M 45355-00. The Applicant intends to obtain a new water to align their recorded water rights with their current water practices.

23. Groundwater from the developed spring is captured in three individual structures that are interconnected with a single waterline. From the most downgradient structure, water is conveyed to a chlorine shed where an Ultra Mag flow meter and altitude valve are situated on the water line. From the shed, the waterline flows into a large 300,000-gallon above ground storage tank.

24. From the storage tank, water is conveyed throughout the Applicant's underground distribution system. In their deficiency response, the Applicant's consultant discussed the system, stating *"The Town's current distribution system is fed by a new 12-inch PVC water main from the storage tank. At Railroad Avenue and Meadow View Lane the 12-inch transmission main connects to a new 10-inch PVC main that extends east to 3rd Street. West of Meadowview, the new PVC watermain in Railroad Ave is 8". The 10" and 8" mains then connect to a network of 6, 4", 2", 1¼" and ¾" lines. The older 4 and 6'inch pipes are cast iron while the newer 4 and 6'inch pipes are PVC, all pipes 2-inch and smaller are galvanized steel. New 8" PVC mains in Meadowview, Rockledge, Apple, Orchard and 2nd St. extend north from their connections to the new watermain in Railroad Ave and are looped at their north ends in order to minimize water stagnation and to enhance fire flow delivery. There are 21 fire hydrants in Alberton – 12 of which are new in 2025. The laterals north of Railroad Avenue, at the east end of Adams Street and the west end of Parkway Drive are generally 2'inch dead-end lines with no looping."*

25. The developed spring serves as a Public Water Supply (PWS), and the system is permitted with DEQ under file number EQ No. 24-1150. It is also associated with PWS ID No. MT 0000015.

26. The Town of Alberton operates a three-cell aerated lagoon wastewater system. According to the Applicant's consultant, the system has a design flow of 0.054 million gallons per day without effluent disinfection. The Town is authorized to discharge into the Clark Fork River (with effluent limitations) under DEQ permit No. MT 0021555.

27. At present, the Applicant's municipal system includes the developed spring and a supplemental groundwater well (Provisional Permit 76M 13904-00). The Applicant provided evidence that the system is capable of diverting a flow rate in excess of the 50 GPM under right 76M 45355-00, so it is reasonable that the diversionary and conveyance infrastructure can accommodate additional flow rate. { }

28. The application described a portion of the proposed place of use as being located in the Clark Fork River in Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE and across the river in Govt. Lot 15 in the N2NWSE, all in Section 2, T14N, R 23W. The application did not provide substantial and credible evidence of how the system would convey water to the aforementioned portions of the proposed place of use; as such, the Department proposes to modify the place of use to exclude Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE, both in Section 2, T14N, R23W.

29. Due to the physical availability of water from the spring, the maximum flow rate available each month will be limited to the highest amount legally available (see Table 3 in Finding of Fact No. 15).

30. The Department finds that the proposed means of diversion and conveyance can divert the modified maximum flow rate that is legally available each month (FOF 15) to the modified place of use.

BENEFICIAL USE

FINDINGS OF FACT

31. The Applicant proposes to divert groundwater from a developed spring from January 1 to December 31 annually at a maximum rate of 20 GPM for municipal purposes. The Applicant is requesting additional flow to match their present-day water use from the spring. Due to the legally available water from the developed spring, the Applicant can divert a

maximum flow rate of 16.98 GPM. Since the Application is not requesting additional volume, and to ensure the flow rate is not exceeded, the Applicant will be required to adhere to the following condition:

IMPORTANT INFORMATION

THIS WATER RIGHT CANNOT BE OPERATED WITHOUT THE USE OF DEVELOPED SPRING CLAIM 76M 45355-00.

32. Due to the legally appropriated water (50 GPM) under existing right 76M 45355-00 from the developed spring, the available flow rate each month is based on the measurement data provided by the Applicant's consultant. Table 4 represents the maximum available monthly flow rate.

Table 4. Maximum flow rate available each month

Month	Maximum Monthly Flow Rate Available (GPM)
January	16.91
February	16.65
March	16.93
April	16.68
May	16.98
June	15.88
July	13.45
August	14.06
September	10.89
October	15.94
November	15.16
December	15.75

33. The Department recognizes the 80.86 AF of municipal purpose under Claim No. 76M 45355-00 as a beneficial use of water. The year-round period of use and diversion from January 1 to December 31 are consistent with the use under the municipal purpose.

34. The Department finds that the amount of groundwater the Applicant seeks to appropriate, 20 GPM, is not legally available from the developed spring source in all 12 months of the proposed period of appropriation. The Applicant can only beneficially use the flow rate that is available based on the physical flow from the source and the existing legal demands.

35. The application described a portion of the proposed place of use as being located in the Clark Fork River in Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE and across the river in Govt. Lot 15 in the N2NWSE, all in Section 2, T14N, R 23W. The application did not provide substantial and credible evidence of how the applicant intended to beneficially use water on the aforementioned portions of the proposed place of use; as such, the Department proposes to modify the place of use to exclude Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE, both in Section 2, T14N, R23W.

36. The Department finds the beneficial use criterion for this application to be met with the modification (exclusion) of a portion of the place of use and the maximum flow rate of 16.98 GPM and 0 AF for municipal purpose. The beneficial use criterion can also be met with the limitation of the maximum available flow rate each month during the proposed period of diversion and use, as represented by Table 4 in FOF No. 32.

POSSESSORY INTEREST

FINDINGS OF FACT

37. This application is for municipal use in which water is supplied to another. The proposed POU is identical with the Applicant's existing municipal water rights (spring water right 76M 45355-00 from the developed spring and 76M 13904-00 from a groundwater well).

38. The application described a portion of the proposed place of use as being located outside of the municipal service area in Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE, both in Section 2, T14N, R23W. The application did not provide substantial and credible evidence of possessory interest in the aforementioned portions of the proposed place of use; as such, the Department proposes to modify the place of use to exclude Govt. Lot 15 in the N2NWSE and Govt. Lot 16 in the NWNESE, both in Section 2, T14N, R23W.

39. The Applicant has possessory interest in the modified place of use as it is located within the existing municipal service area. The Department finds the possessory interest criterion to be met with modifications.

CONCLUSIONS OF LAW

PHYSICAL AVAILABILITY

40. Pursuant to § 85-2-311(1)(a)(i), MCA, an Applicant must prove by a preponderance of the evidence that “there is water physically available at the proposed point of diversion in the amount that the Applicant seeks to appropriate.”

41. It is the Applicant’s burden to produce the required evidence. *In the Matter of Application for Beneficial Water Use Permit No. 27665-41I by Anson* (DNRC Final Order 1987) (Applicant produced no flow measurements or any other information to show the availability of water; permit denied); *In the Matter of Application to Change Water Right No. 41H 1223599 by MGRR #1, LLC.*, (DNRC Final Order 2005).

42. An Applicant must prove that at least in some years there is water physically available at the point of diversion in the amount the Applicant seeks to appropriate. *In the Matter of Application for Beneficial Water Use Permit No. 72662s76G by John Fee and Don Carlson* (DNRC Final Order 1990); *In the Matter of Application for Beneficial Water Use Permit No. 85184s76F by Wills Cattle Co. and Ed McLean* (DNRC Final Order 1994).

43. The Applicant has proven that water is physically available at the proposed point of diversion in the amount the Applicant seeks to appropriate. Section 85-2-311(1)(a)(i), MCA. (FOF 10-13).

LEGAL AVAILABILITY

44. Pursuant to § 85-2-311(1)(a), MCA, an Applicant must prove by a preponderance of the evidence that:

- (ii) water can reasonably be considered legally available during the period in which the Applicant seeks to appropriate, in the amount requested, based on the records of the department and other evidence provided to the department. Legal availability is determined using an analysis involving the following factors:
 - (A) identification of physical water availability;

(B) identification of existing legal demands on the source of supply throughout the area of potential impact by the proposed use; and
(C) analysis of the evidence on physical water availability and the existing legal demands, including but not limited to a comparison of the physical water supply at the proposed point of diversion with the existing legal demands on the supply of water.

E.g., ARM 36.12.101 and 36.12.120; *Montana Power Co.*, 211 Mont. 91, 685 P.2d 336 (Permit granted to include only early irrigation season because no water legally available in late irrigation season); *In the Matter of Application for Beneficial Water Use Permit No. 81705-g76F by Hanson* (DNRC Final Order 1992).

45. It is the Applicant's burden to present evidence to prove water can be reasonably considered legally available. *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, (2011) Pg. 7 (the legislature set out the criteria (§ 85-2-311, MCA) and placed the burden of proof squarely on the Applicant. The Supreme Court has instructed that those burdens are exacting.); *see also Matter of Application for Change of Appropriation Water Rights Nos. 101960-41S and 101967-41S by Royston* (1991), 249 Mont. 425, 816 P.2d 1054 (burden of proof on Applicant in a change proceeding to prove required criteria); *In the Matter of Application to Change Water Right No. 41H 1223599 by MGRR #1, LLC.*, (DNRC Final Order 2005) (it is the Applicant's burden to produce the required evidence.); *In the Matter of Application for Beneficial Water Use Permit No. 41H 30023457 by Utility Solutions, LLC* (DNRC Final Order 2007) (permit denied for failure to prove legal availability); *see also* ARM 36.12.1705.

46. Pursuant to *Montana Trout Unlimited v. DNRC*, 2006 MT 72, 331 Mont. 483, 133 P.3d 224, the Department recognizes the connectivity between surface water and ground water and the effect of pre-stream capture on surface water. *E.g.*, *Wesmont Developers v. DNRC*, CDV-2009-823, Montana First Judicial District Court, *Memorandum and Order*, (2011) Pgs. 7-8; *In the Matter of Beneficial Water Use Permit Nos. 41H 30012025 and 41H 30013629 by Utility Solutions LLC* (DNRC Final Order 2006) (mitigation of depletion required), *affirmed*, *Faust v. DNRC et al.*, Cause No. CDV-2006-886, Montana First Judicial District (2008); *see also Robert and Marlene Takle v. DNRC et al.*, Cause No. DV-92-323, Montana Fourth Judicial District for Ravalli County, *Opinion and Order* (June 23, 1994) (affirming DNRC denial of

Applications for Beneficial Water Use Permit Nos. 76691-76H, 72842-76H, 76692-76H and 76070-76H; underground tributary flow cannot be taken to the detriment of other appropriators including surface appropriators and ground water appropriators must prove unappropriated surface water, *citing Smith v. Duff*, 39 Mont. 382, 102 P. 984 (1909), and *Perkins v. Kramer*, 148 Mont. 355, 423 P.2d 587 (1966)); *In the Matter of Beneficial Water Use Permit No. 80175-s76H by Tintzman* (DNRC Final Order 1993)(prior appropriators on a stream gain right to natural flows of all tributaries in so far as may be necessary to afford the amount of water to which they are entitled, *citing Loyning v. Rankin* (1946), 118 Mont. 235, 165 P.2d 1006; *Granite Ditch Co. v. Anderson* (1983), 204 Mont. 10, 662 P.2d 1312; *Beaverhead Canal Co. v. Dillon Electric Light & Power Co.* (1906), 34 Mont. 135, 85 P. 880); *In the Matter of Beneficial Water Use Permit No. 63997-42M by Joseph F. Crisafulli* (DNRC Final Order 1990) (since there is a relationship between surface flows and the ground water source proposed for appropriation, and since diversion by Applicant's well appears to influence surface flows, the ranking of the proposed appropriation in priority must be as against all rights to surface water as well as against all groundwater rights in the drainage).

47. Because the Applicant bears the burden of proof as to legal availability, the Applicant must prove that the proposed appropriation will not result in prestream capture or induced infiltration and cannot limit its analysis to ground water. Section 85-2-311(a)(ii), MCA. Absent such proof, the Applicant must analyze the legal availability of surface water in light of the proposed ground water appropriation. *In the Matter of Application for Beneficial Water Use Permit No. 41H 30023457 By Utility Solutions LLC* (DNRC Final Order 2007) (permit denied); *In the Matter of Application for Beneficial Water Use Permit No. 76H-30028713 by Patricia Skergan and Jim Helmer* (DNRC Final Order 2009); *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, (2011) Pg. 5 ; *Wesmont Developers v. DNRC*, CDV-2009-823, First Judicial District Court, *Memorandum and Order*, (2011) Pgs. 11-12.

48. Where a proposed ground water appropriation depletes surface water, Applicant must prove legal availability of amount of depletion of surface water throughout the period of diversion either through a mitigation /aquifer recharge plan to offset depletions or by analysis of the legal demands on, and availability of, water in the surface water source. *Robert and*

Marlene Takle v. DNRC, Cause No. DV-92-323, Montana Fourth Judicial District for Ravalli County, *Opinion and Order* (June 23, 1994); *In the Matter of Beneficial Water Use Permit Nos. 41H 30012025 and 41H 30013629 by Utility Solutions LLC* (DNRC Final Order 2006) (permits granted), *affirmed*, *Faust v. DNRC et al.*, Cause No. CDV-2006-886, Montana First Judicial District (2008); *In the Matter of Application for Beneficial Water Use Permit 41H 30019215 by Utility Solutions LLC* (DNRC Final Order 2007)(permit granted), *affirmed*, *Montana River Action Network et al. v. DNRC*, Cause No. CDV-2007-602, Montana First Judicial District (2008); *In the Matter of Application for Beneficial Water Use Permit No. 41H 30023457 by Utility Solutions LLC* (DNRC Final Order 2007) (permit denied for failure to analyze legal availability outside of irrigation season (where mitigation applied)); *In the Matter of Application for Beneficial Water Use Permit No. 41H 30026244 by Utility Solutions LLC* (DNRC Final Order 2008); *In the Matter of Application for Beneficial Water Use Permit No. 76H-30028713 by Patricia Skergan and Jim Helmer* (DNRC Final Order 2009)(permit denied in part for failure to analyze legal availability for surface water depletion); *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, (2011) Pg. 5 (Court affirmed denial of permit in part for failure to prove legal availability of stream depletion to slough and Beaverhead River); *Wesmont Developers v. DNRC*, CDV-2009-823, First Judicial District Court, *Memorandum and Order*, (2011) Pgs. 11-12 (“DNRC properly determined that Wesmont cannot be authorized to divert, either directly or indirectly, 205.09 acre-feet from the Bitterroot River without establishing that the water does not belong to a senior appropriator”; Applicant failed to analyze legal availability of surface water where projected surface water depletion resulted from groundwater pumping); *In the Matter of Application for Beneficial Water Use Permit No. 76D-30045578 by GBCI Other Real Estate, LLC* (DNRC Final Order 2011) (in an open basin, Applicant for a new water right can show legal availability by using a mitigation/aquifer recharge plan or by showing that any depletion to surface water by groundwater pumping will not take water already appropriated; development next to Lake Koocanusa will not take previously appropriated water). Applicant may use water right claims of potentially affected appropriators as a substitute for “historic beneficial use” in analyzing legal availability of surface water Under § 85-2-360(5), MCA. *Royston, supra*.

49. Applicant has proven by a preponderance of the evidence that water can reasonably be considered legally available during the period in which the Applicant seeks to appropriate, in the maximum amount of 16.89 GPM, based on the records of the Department and other evidence provided to the Department. Section 85-2-311(1)(a)(ii), MCA. (FOF 14-17).

ADVERSE EFFECT

50. Pursuant to § 85-2-311(1)(b), MCA, the Applicant bears the affirmative burden of proving by a preponderance of the evidence that the water rights of a prior appropriator under an existing water right, a certificate, a permit, or a state water reservation will not be adversely affected. Analysis of adverse effect must be determined based on a consideration of an Applicant's plan for the exercise of the permit that demonstrates that the Applicant's use of the water will be controlled so the water right of a prior appropriator will be satisfied. *See Montana Power Co.*, 211 Mont. 91, 685 P.2d 336 (1984) (purpose of the Water Use Act is to protect senior appropriators from encroachment by junior users); *Bostwick Properties, Inc.*, ¶ 21.

51. An Applicant must analyze the full area of potential impact under the § 85-2-311, MCA criteria. *In the Matter of Beneficial Water Use Permit No. 76N-30010429 by Thompson River Lumber Company* (DNRC Final Order 2006). While § 85-2-361, MCA, limits the boundaries expressly required for compliance with the hydrogeologic assessment requirement, an Applicant is required to analyze the full area of potential impact for adverse effect in addition to the requirement of a hydrogeologic assessment. *Id.* ARM 36.12.120(5).

52. Applicant must prove that no prior appropriator will be adversely affected, not just the objectors. *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, 4 (2011).

53. In analyzing adverse effect to other appropriators, an Applicant may use the water rights claims of potentially affected appropriators as evidence of their "historic beneficial use." *See Matter of Application for Change of Appropriation Water Rights Nos. 101960-41S and 101967-41S by Royston*, 249 Mont. 425, 816 P.2d 1054 (1991).

54. It is the Applicant's burden to produce the required evidence. *E.g., Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, 7 (2011) (legislature

has placed the burden of proof squarely on the Applicant); *In the Matter of Application to Change Water Right No. 41H 1223599 by MGRR #1, LLC.*, (DNRC Final Order 2005). The Department is required to grant a permit only if the § 85-2-311, MCA, criteria are proven by the Applicant by a preponderance of the evidence. *Bostwick Properties, Inc.*, ¶ 21.

55. Section 85-2-311 (1)(b) of the Water Use Act does not contemplate a de minimis level of adverse effect on prior appropriators. *Wesmont Developers v. DNRC*, CDV-2009-823, First Judicial District Court, *Memorandum and Order*, 8 (2011).

56. The Applicant has proven by a preponderance of the evidence that the water rights of a prior appropriator under an existing water right, a certificate, a permit, or a state water reservation will not be adversely affected. Section 85-2-311(1)(b), MCA. (FOF 18-21).

ADEQUATE DIVERSION

57. Pursuant to § 85-2-311(1)(c), MCA, an Applicant must demonstrate that the proposed means of diversion, construction, and operation of the appropriation works are adequate.

58. The adequate means of diversion statutory test merely codifies and encapsulates the case law notion of appropriation to the effect that the means of diversion must be reasonably effective, i.e., must not result in a waste of the resource. *In the Matter of Application for Beneficial Water Use Permit No. 33983s41Q by Hoyt* (DNRC Final Order 1981); § 85-2-312(1)(a), MCA.

59. Applicant has proven by a preponderance of the evidence that the proposed means of diversion, construction, and operation of the appropriation works are adequate for the proposed beneficial use. Section 85-2-311(1)(c), MCA (FOF 22-30).

BENEFICIAL USE

60. Under § 85-2-311(1)(d), MCA, an Applicant must prove by a preponderance of the evidence the proposed use is a beneficial use.

61. An appropriator may appropriate water only for a beneficial use. See also, § 85-2-301 MCA. It is a fundamental premise of Montana water law that beneficial use is the basis, measure, and limit of the use. *E.g., McDonald; Toohey v. Campbell* (1900), 24 Mont. 13, 60 P.

396. The amount of water under a water right is limited to the amount of water necessary to sustain the beneficial use. *E.g., Bitterroot River Protective Association v. Siebel, Order on Petition for Judicial Review*, Cause No. BDV-2002-519, Montana First Judicial District Court, Lewis and Clark County (2003), *affirmed on other grounds*, 2005 MT 60, 326 Mont. 241, 108 P.3d 518; *In The Matter Of Application For Beneficial Water Use Permit No. 43C 30007297 by Dee Deaterly* (DNRC Final Order), *affirmed other grounds, Dee Deaterly v. DNRC*, Cause No. 2007-186, Montana First Judicial District, *Order Nunc Pro Tunc on Petition for Judicial Review* (2009); *Worden v. Alexander* (1939), 108 Mont. 208, 90 P.2d 160; *Allen v. Petrick* (1924), 69 Mont. 373, 222 P. 451; *In the Matter of Application for Beneficial Water Use Permit No. 41S-105823 by French* (DNRC Final Order 2000).

62. Amount of water to be diverted must be shown precisely. *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, 3 (2011) (citing *BRPA v. Siebel*, 2005 MT 60, and rejecting Applicant's argument that it be allowed to appropriate 800 acre-feet when a typical year would require 200-300 acre-feet).

63. It is the Applicant's burden to produce the required evidence. *Bostwick Properties, Inc. v. DNRC*, 2013 MT 48, ¶ 22, 369 Mont. 150, 296 P.3d 1154 ("issuance of the water permit itself does not become a clear, legal duty until [the applicant] proves, by a preponderance of the evidence, that the required criteria have been satisfied"); *Sitz Ranch v. DNRC*, DV-10-13390, Fifth Judicial District Court, *Order Affirming DNRC Decision*, (2011) Pg. 7; *In the Matter of Application to Change Water Right No. 41H 1223599 by MGRR #1, LLC.*, (DNRC Final Order 2005); *see also Royston; Ciotti*.

64. Applicant proposes to use water for a municipal purpose which is a recognized beneficial use. Section 85-2-102(5), MCA. Applicant has proven by a preponderance of the evidence municipal is a beneficial use and with modifications, 16.98 GPM is the amount available to sustain the beneficial use. Section 85-2-311(1)(d), MCA. (FOF 31-36).

POSSESSORY INTEREST

65. Pursuant to § 85-2-311(1)(e), MCA, an Applicant must prove by a preponderance of the evidence that it has a possessory interest or the written consent of the person with the

possessory interest in the property where the water is to be put to beneficial use, or if the proposed use has a point of diversion, conveyance, or place of use on national forest system lands, the Applicant has any written special use authorization required by federal law to occupy, use, or traverse national forest system lands for the purpose of diversion, impoundment, storage, transportation, withdrawal, use, or distribution of water under the permit.

66. Pursuant to ARM 36.12.1802:

- (1) An Applicant or a representative shall sign the application affidavit to affirm the following:
 - (a) the statements on the application and all information submitted with the application are true and correct and
 - (b) except in cases of an instream flow application, or where the application is for sale, rental, distribution, or is a municipal use, or in any other context in which water is being supplied to another and it is clear that the ultimate user will not accept the supply without consenting to the use of water on the user's place of use, the Applicant has possessory interest in the property where the water is to be put to beneficial use or has the written consent of the person having the possessory interest.
- (2) If a representative of the Applicant signs the application form affidavit, the representative shall state the relationship of the representative to the Applicant on the form, such as president of the corporation, and provide documentation that establishes the authority of the representative to sign the application, such as a copy of a power of attorney.
- (3) The department may require a copy of the written consent of the person having the possessory interest.

67. The Applicant has proven by a preponderance of the evidence that it has a possessory interest, or the written consent of the person with the possessory interest, in the property where the water is to be put to beneficial use. Section 85-2-311(1)(e), MCA. (FOF 37-39).

PRELIMINARY DETERMINATION

Subject to the terms, analysis, and conditions in this Order, the Department preliminarily determines that this Application for Beneficial Water Use Permit No. 76M 30165209 should be GRANTED IN MODIFIED FORM.

The Department determines the Applicant may divert water from the developed spring, from January 1 to December 31, at a maximum overall flow rate of 16.98 GPM, from a point in Govt. Lot 1, in the NWNENE of Section 3, T14N, R23W, Mineral County for municipal use from January 1 to December 31. The monthly diverted flow rate authorized for each month is as follows: 16.91 GPM in January; 16.65 GPM in February; 16.93 GPM in March; 16.68 GPM in April; 16.98 GPM in May; 15.88 GPM in June; 13.45 GPM in July; 14.06 GPM in August; 10.89 GPM in September; 15.94 GPM in October; 15.16 GPM in November; and up to 15.75 GPM in December. The authorized place of use is located in Govt. Lot 6 in the S2NENE of Section 3, Govt. Lot 5 in the S2NWNW of Section 2, Govt. Lot 10 in the S2SWNE of Section 2, Govt. Lot 11 in the SENW of Section 2 and Govt. Lot 12 in the N2SWNW of Section 2, all in T14N, R23W, Mineral County.

This authorization is subject to the following condition to meet the beneficial use criterion:

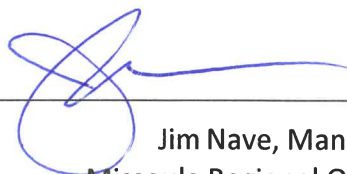
IMPORTANT INFORMATION

THIS WATER RIGHT CANNOT BE OPERATED WITHOUT THE USE OF DEVELOPED SPRING CLAIM 76M 45355-00.

NOTICE

The Department will provide a notice of opportunity for public comment on this application and the Department's Draft Preliminary Determination to Grant in Modified Form pursuant to § 85-2-307, MCA. The Department will set a deadline for public comments to this application pursuant to §§ 85-2-307, and -308, MCA. If this application receives public comment pursuant to § 85-2-307(4), the Department shall consider the public comments, respond to the public comments, and issue a preliminary determination to grant the application, grant the application in modified form, or deny the application. If no public comments are received pursuant to § 85-2-307(4), MCA, the Department's preliminary determination will be adopted as the final determination.

Dated this 24th day of July 2026



Jim Nave, Manager
Missoula Regional Office

Montana Department of Natural Resources and Conservation

CERTIFICATE OF SERVICE

This certifies that a true and correct copy of the Draft Preliminary Determination to Grant in Modified Form was served upon all parties listed below on this 24th day of July, 2026 by first class United States mail.

TOWN OF ALBERTON

PO BOX 115

ALBERTON, MT 59820-0115

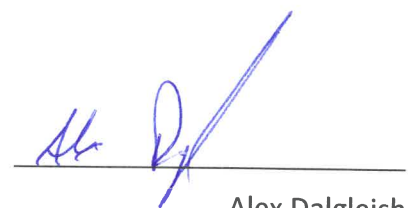
AND

WATER AND ENVIRONMENTAL TECHNOLOGIES

C/O CHRISTINA EGGENSBERGER

480 E PARK ST

BUTTE, MT 59701-1923



Alex Dagleish

Water Conservation Specialist

Missoula Regional Office

Alexander.dagleish@mt.gov | (406) 542-5886

Processing Materials

- Work copies of applicant-submitted information
- Deficiency letter
- Deficiency response
- Correct & complete determination
- Any correspondence with the applicant after application receipt and prior to sending the Draft PD

Processing Materials

THE MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

GOVERNOR GREG GIANFORTE



DNRC DIRECTOR AMANDA KASTER

Missoula Water Resources Regional Office
PO Box 5004
2705 Spurgin Road, Bldg. C
Missoula, MT 59806-5004
(406) 721-4284

May 28, 2026

Town of Alberton
PO Box 115
Alberton, MT 59820-0115

Subject: Correct and Complete Application for Beneficial Water Use Permit No. 76M
30165209

Dear Applicant,

The Department of Natural Resources and Conservation (Department) has determined that your application is correct and complete pursuant to ARM 36.12.1601. Please remember that correct and complete **does not mean that your application will be granted.** The purpose of this letter is to indicate that the Department has enough information to analyze your water right application.

The Department will issue a Draft Preliminary Determination within 60 days of the date of this letter per §85-2-307(2)(b), MCA.



DNRC.MT.GOV

Following issuance of the Draft Preliminary Determination, you (Applicant) will have 15 business days to request an extension of time to submit additional information, if desired pursuant to §85-2-307(3)(a), MCA.

If no extension of time is requested and the Draft Preliminary Determination decision is to grant your application or grant your application in modified form, the Department will prepare a notice of opportunity to provide public comment, per §85-2-307(4)(a), MCA.

If no extension of time is requested and the Draft Preliminary Determination decision is to deny your application, the Department will adopt the Draft Preliminary Determination as the final determination per §85-2-307(3)(d)(ii), MCA.

If you have any questions or concerns about the application process, please contact me.

Best,



Alex Dalglish
Water Resource Specialist II
Missoula Regional Office
(406)-542-5886
Alexander.dalglish@mt.gov

CC:

Water and Environmental Technologies
c/o Christina Eggensperger
480 E Park St
Butte, MT 59701-1923



From: [Dagleish, Alex](#)
To: ["Christina Eggensperger"](#)
Cc: [Pat Thomson](#)
Subject: RE: RE: Deficiency letter for Beneficial Water Use Permit Application No. 76M 30165209
Date: Wednesday, May 13, 2026 11:12:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)

Yes, I can access and save it. Thank you.



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C
DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov
[Website](#) | [Facebook](#) | [X \(Twitter\)](#) | [Instagram](#)
How did we do? Let us know here: [Feedback Survey](#)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>
Sent: Wednesday, May 13, 2026 10:51 AM
To: Dagleish, Alex <Alexander.Dagleish@mt.gov>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: [EXTERNAL] RE: RE: Deficiency letter for Beneficial Water Use Permit Application No. 76M 30165209

Hi Alex,

I just shared the document via OneDrive. Please let me know that you are able to open/view/etc. Thank you!!

Christina Eggensperger, P.E., MS
ceggensperger@waterenvtech.com
406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dagleish, Alex <Alexander.Dagleish@mt.gov>
Sent: Tuesday, May 12, 2026 2:59 PM
To: Christina Eggensperger <ceggensperger@waterenvtech.com>
Cc: Pat Thomson <pthomson@waterenvtech.com>

Subject: RE: RE: Deficiency letter for Beneficial Water Use Permit Application No. 76M 30165209

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Christina,

Thanks for sending these over. I cannot save the reduced Application document. If you could send a OneDrive link, that would be great.

Sincerely,



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov

[Website](#) | [Facebook \[facebook.com\]](https://facebook.com) | [X \(Twitter \[twitter.com\]\)](https://twitter.com) | [Instagram \[instagram.com\]](https://instagram.com)

How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](https://forms.office.com)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>

Sent: Friday, May 8, 2026 3:17 PM

To: Dagleish, Alex <Alexander.Dagleish@mt.gov>

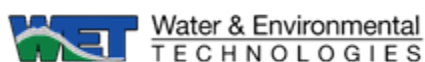
Cc: Pat Thomson <pthomson@waterenvtech.com>

Subject: [EXTERNAL] RE: Deficiency letter for Beneficial Water Use Permit Application No. 76M 30165209

Hi Alex,

Attached please find the updated Form 600 and a letter with some corresponding narrative responses. I had to reduce the file size to send via email but I could also share as a OneDrive link if that works better. Thank you so much and have a great weekend!

Christina



Christina Eggensperger, P.E., MS

Project Engineer / Grant Administrator
C: (406) 531-9486
waterenvtech.com

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

[Book time with Christina Eggensperger \[outlook.office.com\]](#)



[\[facebook.com\]](https://facebook.com)



[\[instagram.com\]](https://instagram.com)



[\[twitter.com\]](https://twitter.com)



[\[youtube.com\]](https://youtube.com)



[\[linkedin.com\]](https://linkedin.com)

May 5, 2026

Alex Dalglish
Montana DNRC
Missoula Regional Office

Subject: RE: Deficiency letter for Beneficial Water Use Permit Application No. 76M 30165209

Dear Alex,

The following letter and attachments are provided in response to the Montana Department of Natural Resources and Conservation (DNRC) information request regarding Montana Water Right Form 600 submitted on behalf of the Town of Alberton. For ease of cross-reference, the bold, italicized, underlined text below is taken directly from the email.

- **Question 18:** The volume of 80.86 Ac-ft has been removed from the table.
- **Question 20:** (1) has been added to POD#1, column “Lot”
- **Question 22:** The table below describes Place of Use as depicted on Figure 1, attached to Form 600. Additionally, DEQ approval is also attached to Form 600.

Acres	Gov. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County
17.62516	10	NE	S2SWNE		2	14N	23W	MINERAL
10.00369	16	SE	NWNESE		2	14N	23W	MINERAL
33.64017	5	NW	S2NWNW		2	14N	23W	MINERAL
33.81043	6	NE	S2NENE		3	14N	23W	MINERAL
19.15819	12	NW	N2SWNW		2	14N	23W	MINERAL
37.41884	11	NW	SENW		2	14N	23W	MINERAL
18.87593	15	SE	N2NWSE		2	14N	23W	MINERAL

- **Question 23.a:** answered on Form 600.
- **Question 24:** answered on Form 600.
- **Question 30:** Answer has been amended to “Yes”.
- **Question 30.a:** answered on Form 600.
- **Question 31:** Answer has been amended to “Yes”.
- **Question 31.a:** answered on Form 600.
- **Question 34: (From Section 3.3.8 of the Town’s Wastewater PER)** The Town’s current distribution system is fed by a new 12-inch PVC water main from the storage tank. At Railroad Avenue and Meadow View Lane the 12-inch transmission main connects to a new 10-inch PVC main that extends east to 3rd Street. West of Meadowview, the new PVC watermain in Railroad Ave is 8". The 10" and 8" mains then connect to a network of 6, 4", 2", 1¼" and ¾" lines. The older 4 and 6-inch pipes are cast iron while the newer 4 and 6-inch pipes are PVC, all pipes 2-inch and smaller are galvanized steel. New 8" PVC mains in Meadowview, Rockledge, Apple, Orchard and 2nd St. extend north from their connections to the new watermain in Railroad Ave. and are looped at their north ends in order to minimize water stagnation and to enhance fire flow delivery. There are 21 fire hydrants in Alberton -

12 of which are new in 2025. The laterals north of Railroad Avenue, at the east end of Adams Street and the west end of Parkway Drive are generally 2-inch dead-end lines with no looping. The water storage tank capacity is 300,000 gallons.

- **Question 35:** Answer has been amended on Form 600.
- **Question 36:** Answer has been amended on Form 600.
- **Question 39:** Answer has been amended to “Yes”.
- **Question 39.a:** answered on Form 600.

If you require any additional information to finalize your review, I may be reached at (406) 531-9486 or ceggensperger@waterenvtech.com.

Sincerely,



Christina Eggensperger, PE
Permitting Technical Service Lead



Pat Thomson, PG
Geosciences Group

Attachments

Attachment 1 – Conveyance Infrastructure Information



**APPLICATION FOR
BENEFICIAL WATER USE
PERMIT**

§ 85-2-302, MCA

Form No. 600 (10/2025)

FILING FEE

\$2900/\$1600 – Inside a Basin Closure Area, Controlled Groundwater Area or Compact Closure; without/with filing fee reduction.

\$2500/\$1200 – Outside a Basin Closure Area; Controlled Groundwater Area or Compact Closure; without/with filing fee reduction.

INFORMATION

An application will be eligible for a filing fee reduction and expedited timelines if the applicant completes a preapplication meeting with the Department (ARM 36.12.1302(1)), which includes submitting any follow-up information identified by the Department (ARM 36.12.1302(3)(c)) and receiving either Department-completed technical analyses or Department review of applicant-submitted technical analyses (ARM 36.12.1302(4) and (5)). An application for the proposed project also must be submitted within 180 days of delivery of Department technical analyses or scientific credibility review and no element on the submitted application can be changed from the completed preapplication meeting form (ARM 36.12.1302(6)). If application is eligible for a filing fee reduction, \$500 paid for Form 600P-B will be credited toward filing fees shown above.

For Department Use Only

Application # _____ Basin _____
Priority Date _____ Time _____ AM/PM
Rec'd By _____
Fee Rec'd \$ _____ Check # _____
Deposit Receipt # _____
Payor _____
Refund \$ _____ Date _____

Applicant Information: *Add more as necessary.*

Applicant Name Town of Alberton
Mailing Address PO Box 115 City Alberton State MT Zip 59820
Phone Numbers: Home _____ Work 406-722-3404 Cell _____
Email Address albertoncouncild2@gmail.com

Applicant Name _____
Mailing Address _____ City _____ State _____ Zip _____
Phone Numbers: Home _____ Work _____ Cell _____
Email Address _____

Applicant Name _____
Mailing Address _____ City _____ State _____ Zip _____
Phone Numbers: Home _____ Work _____ Cell _____
Email Address _____

Contact/Representative Information: *Add more as necessary.*

Contact/Representative is: ☐ Applicant ☒ Consultant ☐ Attorney ☐ Other

Contact/Representative Name Christina Eggensperger, Pat Thomson

Mailing Address 480 East Park St City Butte State MT Zip 59701
Phone Numbers: Home _____ Work 406-782-5220 Cell 406-531-9486
Email Address ceggensperger@waterenvtech.com

NOTE: If a contact person is identified as an attorney, all communication will be sent only to the attorney unless the attorney provides written instruction to the contrary (ARM 36.12.122(2)). If a contact person is identified as a consultant, employee, or lessee, the individual filing the water right form or objection form will receive all correspondences, and a copy may be sent to the contact person (ARM 36.12.122(3)).



Answer every question and applicable follow-up questions. Use the checkboxes to denote yes ("Y"), no ("N"), or not applicable ("NA"). Questions that require items to be submitted to the Department have a submitted ("S") checkbox, which is marked when the required item is attached to the Application. Label all submitted items with the question number for which they were submitted. Narrative responses that are larger than the space provided can be answered in an attachment. If an attachment is used, specify "see attachment" on this form, and label the attachment with the question number. Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Responses in the form of a table may be entered into the table provided on this form or in an attachment. If an attachment is used, the table must have the exact headings found on this form, and "see attachment" must be entered as a response to the relevant question. Clearly label all units in tables and narrative responses.

PREAPPLICATION AND TECHNICAL ANALYSES INFORMATION

1. ☒ **Y** ☐ **N** Do you elect for Department technical analyses to be used for criteria assessment?

2. ☒ **Y** ☐ **N** Did you have a preapplication meeting AND complete a Permit Preapplication Meeting Form Part A and Part B (Form 600P-A and 600P-B)?

IF QUESTION 2 IS NO, answer 2.a and 2.b:

2.a. ☐ **S** Submit the Technical Analyses Addendum (Form 600-TAA).

2.b. ☐ **S** ☐ **NA** Submit the technical analyses, if you elected in question 1 for Applicant technical analyses to be used for criteria assessment. Select "NA" if you elected for Departmental technical analyses.

IF QUESTION 2 IS YES, answer 2.c, 2.d, and 2.e:

2.c. ☐ **Y** ☒ **N** Has any element of the project described in this application changed from the mandatory elements of the project described in the completed form 600P? **If yes:**

2.c.i. Please explain.

2.c.ii. ☐ **S** Submit the Technical Analyses Addendum (Form 600-TAA).

2.d. ☒ **Y** ☐ **N** Are the technical analyses to be used for criteria assessment exactly the same as those completed during the preapplication process? **If no:**

2.d.i. Please explain.

2.d.ii. ☐ **S** Submit the Technical Analyses Addendum (Form 600-TAA).

2.e. ☒ **Y** ☐ **N** Did you elect in Question 1 for Department technical analyses to be used for criteria assessment? **If no:**

2.e.i. ☐ **S** Submit the technical analyses.



APPLICATION ADDENDA AND REVIEW

3. ☐ **S** ☒ **NA** If your application is for groundwater, not surface water, and one or more of your points of diversion are in a Basin Closure Area, then submit the Basin Closure Area Addendum (Form 600-BCA).
4. ☐ **S** ☒ **NA** If your application is for groundwater and one or more points of diversion are in a Basin Closure Area, then your project must have a Hydrogeologic Report that conforms with MCA 85-2-361 to comply with the requirements of § 85-2-360, MCA. A Hydrogeologic Report Addendum (Form 600-HRA) or Department Technical Analyses may be used to meet these requirements. Please mark the box below that best applies, then select "S" if submitting a Hydrogeologic Report or "NA" if one is not required. This question does not apply to surface water points of diversion in a Basin Closure Area.
- ☐ If you elected to conduct Technical Analyses, you must submit the Hydrogeologic Report Addendum (Form 600-HRA).
 - ☐ If you elected for DNRC to conduct Technical Analyses but did not have a preapplication meeting AND complete a Form 600P Permit Preapplication Meeting Form (or changes have occurred since the completed Form 600P), you must submit the Hydrogeologic Report Addendum (Form 600-HRA).
 - ☐ If you elected for DNRC to conduct Technical Analyses, had a preapplication meeting, completed a Form 600P, and the Technical Analyses remain unchanged since the preapplication meeting, you do not need to submit Form 600-HRA because the Department's Technical Analyses meet the report requirements of § 85-2-360 and § 85-2-361, MCA.
5. ☐ **S** ☒ **NA** If the project is for one or more groundwater points of diversion located in a Controlled Groundwater Area, then submit the Controlled Groundwater Area Addendum (Form 600-CGWA).
6. ☐ **S** ☒ **NA** If the project involves an appropriation that is greater than 5.5 CFS and 4,000 acre-feet, then submit a Criteria Addendum Application for Beneficial Water Use Permit for Appropriations Greater than 5.5 CFS and 4,000 AC-FT (Form 600-B).
7. ☐ **S** ☒ **NA** If the project involves out-of-state water use, then submit the Out-of-State Use Addendum (Form 600/606-OSA).
8. ☐ **S** ☒ **NA** If you require mitigation water to meet the criteria of issuance, then submit a Mitigation Purpose Addendum (Form 600/606-MIT).
9. ☐ **S** ☒ **NA** If the proposed purposes include marketing or selling water, (not marketing for mitigation/aquifer recharge), then submit the Marketing Purpose Addendum (Form 600/606-WMA).
10. ☐ **S** ☒ **NA** If the project involves one or more places of storage, then submit a Permit Storage Addendum (Form 600-SA). This does not include reservoirs, pits, pit-dams, or ponds with a capacity less than 0.1 AF; water tanks; or cisterns (ARM 36.12.113(6)).
11. ☐ **S** ☒ **NA** If the project is in designated sage grouse habitat, then submit a review letter from the Montana Sage Grouse Habitat Conservation Program.
12. ☐ **S** ☒ **NA** If the project includes a point of diversion and/or place of use on State of Montana Trust Land, submit documentation of consent from the DNRC Trust Lands Management Division.
13. ☐ **S** ☒ **NA** You must provide a written notice of the application to each owner of an appropriation right sharing a point of diversion or means of conveyance (e.g., canal, ditch, flume, pipeline, or constructed waterway) pursuant to §85-2-302(4)(c), MCA. Submit a copy of this notice and the recipient list.

PURPOSE AND DIVERSION INFORMATION

14. ☐ Y ☒ N Is the proposed use temporary?

14.a. If yes, when will the appropriation cease? _____

15. Is the proposed source surface water or groundwater? groundwater

16. What is the source name? Spring, unnamed tributary of the Clark Fork River

17. ☒ S Attach a map utilizing an aerial photograph or topographic map that shows the following: section corners; township and range; north arrow; scale bar; all proposed points of diversion labeled with a unique Point of Diversion (POD) ID number and, if applicable, GWIC number; all proposed places of use; all proposed conveyance facilities and or routes; all proposed places of storage labeled with a unique Storage ID number; and places of use (POU) for all overlapping water rights. More than one map may be submitted, if necessary to clearly convey all required information.

18. Fill out the table below. Means of diversion for surface water includes headgate, pump, dam, and others. Means of diversion for groundwater includes well, developed spring, pit pond, and others.

Purpose	Means of Diversion	Acres Irrigated (if appl.)	Period of Diversion (Month/Day - Month/Day)	Period of Use (Month/Day - Month/Day)	Flow Rate		Volume (Acre-Feet)
					☒ GPM	☐ CFS	
Municipal	Developed Spring		01/01-12/31	01/01-12/31	20		
Total Flow Rate and Volume Required					20		

19. ☐ Y ☒ N Does the proposed use include on or more of the following purposes: domestic, multiple domestic, stock, or irrigation? If yes, fill out the table below, where applicable.

Purpose	Requested Information	Response
Domestic or multiple domestic	Number of households and bedrooms served per household	
Stock	Number of animal units	
Irrigation	Method of irrigation type (sprinkler or flood) and subtype (if flood: level border, graded border, furrow, contour ditch, or other; if sprinkler: center pivot, wheel line, or other)	
Irrigation (flood only)	Design slope	

POINT(S) OF DIVERSION

20. Describe the proposed location of the point(s) diversion to the nearest $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ Section. Label each POD with the POD ID number used for the project map (question 17).

POD #	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	Sec.	Twp.	Rge.	County	Lot	Block	Tract	Subdivision	Gov. Lot
1	NW	NE	NE	3	14N	23W	Mineral					1

PLACE OF USE

21. What are the geocodes of the place of use?

	See Figure 1_Water Use	
	attached for Question 17.	

22. Describe the legal land description for the proposed place of use and, if applying for an irrigation or lawn and garden purpose, list the number of irrigated acres.

Acres	Gov. Lot	Block	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	Sec.	Twp.	Rge.	County

SUPPLEMENTAL AND OVERLAPPING WATER RIGHTS

23. ☒ Y ☐ N Will other water rights supplement or overlap the place of use to contribute to the purpose(s)?

23.a. If yes, summarize how the supplemental and proposed water rights will be operated as a whole to serve the purpose(s).

Proposed WR 76M 30165209 combined with WR 76M 45355-0 justifies the full historically diverted flow rate from the developed spring source that provides the base supply for municipal use throughout the year. Existing groundwater well (WR 76M 13904-00) operates as a supplemental source and is used during high demand summer irrigation season. The supplemental well is operated in conjunction with the spring WR to provide Alberton adequate and reliable municipal supply during periods of peak demand.

24. For each supplemental or overlapping water right, please list the water right number, typical period of diversion and use (MM/DD-MM/DD), flow rate (GPM or CFS), and the volume of water (AF) contributed to the shared place of use.

Water Right #	Average Period of Diversion	Average Period of Use	Flow Rate	Volume Contributed
76M 13904-00	01/01-12/31	06/01-09/30	120 gpm	161 Ac-ft.
76M 45355-00	01/01-12/31	01/01-12/31	50 gpm	80.86 Ac-ft.

25. ☐ Y ☒ N Will this application supplement contract water from a Federal Project, ditch company, or other source?

25.a. If yes, explain.

ADVERSE EFFECT

26. Explain how you can control your diversion in response to a call being made.

The technical analysis did not identify any adverse effect as this application is not requesting any additional volume for consumption. If a call is made, the city may close the altitude valve and the entirety of flow from the spring would move down the drainage. A scheduled closure of this valve could limit the flow rate to an average of 50 gpm.

27. Describe any plans you have for ensuring existing water rights will be satisfied during times of water shortage.

The requested increase in flow rate more accurately represents the actual flow diverted.

~~During times of water shortage, the town will continue to operate within the limits of the authorized flow rate, volume and period of use, and will comply with all administrative calls and priority enforcement made. If a call is made by a senior water right holder, diversions will be curtailed as described in Question 26.~~

28. ☐ Y ☒ N Are you aware of any calls that have been made on the source of supply or, if groundwater, on nearby surface water sources?

28.a. If yes, explain.

29. ☐ Y ☒ N Does a water commissioner distribute water or oversee water distribution on your proposed source?

29.a. If yes, list the source(s).

30. ☒ Y ☐ N Do other water rights share any of the proposed points of diversion?

30.a. If yes, describe how the proposed project will not adversely affect these water rights.

The proposed water right and the existing 76M 45355 have the same source and point of diversion. The proposed water right combined with 76M 45355 represents and justifies the total historically diverted flow. As the sum of the proposed water right and 76M 45355 have always been diverted and utilized, there will not be any adverse affect to these or any other water rights.

31. ☒ Y ☐ N Do other water rights share any conveyance infrastructure associated with the proposed project?

31.a. If yes, describe how the proposed project will not adversely affect these water rights.

The proposed water right and the existing 76M 45355 have the same source and point of diversion. The proposed water right combined with 76M 45355 represents and justifies the total historically diverted flow. As the sum of the proposed water right and 76M 45355 have always been diverted and utilized, there will not be any adverse affect to these or any other water rights.

ADEQUATE MEANS OF DIVERSION AND OPERATION

32. ☒ **S** Submit a diagram of how you will operate your system from all proposed points of diversion to all proposed places of use.

33. Describe specific information about the capacity of all proposed diversionary structures. This may include, where applicable: pump curves and total dynamic head calculations, headgate design specifications, and dike or dam height and length.
See Attached Flowmeter information.

See Attached.

34. Describe the size, materials, capacity, and configuration of infrastructure to convey water from all proposed points of diversion to all proposed places of use. This may include but is not limited to, pipelines and ditches. Include a description of any losses related to the proposed conveyance. Ditch conveyance losses may be estimated numerous ways, which include a ditch loss rate or Department standard methods.

Water is conveyed through a municipal distribution system. Maps depicting the system components, and tables presenting flows and pressures are attached. The distribution system has historically utilized the combined appropriations of the proposed water right and the existing water rights. Replacement of aged and undersized lines took place in 2024 and 2025.

See Attached Pipe
Distribution Sizes.

35. Describe how the proposed diversion and conveyance infrastructure can provide the required flow and volume, for the purposes plus any conveyance losses and storage, throughout the proposed period of diversion.

The increase in flow rate is being requested to align with the flow historically used and not an increase in diverted flow. As such, the system usage, such as the flow rates from the water storage tank to city, is remaining unchanged from the cumulative diverted flow historically managed. In addition, recent upgrades to the City distribution system were designed for future growth and have capacity exceeding the combined appropriations (see response to Question 34).

36. Provide a plan of operations, which includes specific information about how water is delivered within the place of use. This may include, where applicable, the range of flow rates needed for a pivot.
Please see response to Question 34 providing information related to the water distribution system attached to this response.

37. ☐ Y ☒ N Does the proposed conveyance require easements?
37.a. If yes, explain.

38. ☒ Y ☐ N Do you own the land where all proposed points of diversion are located?

38.a. ☐ S If no, submit documentation to show you have the right to use all points of diversion located on each property you do not own. This may include, but is not limited to, a well agreement, an easement, or permission of the party that owns the property where the proposed point(s) of diversion are located.

39. ☒ Y ☐ N Will your system be designed to discharge water from the project?

IF YES,

39.a. Explain the wastewater disposal method.

The Town of Alberton operates a three-cell aerated lagoon cell system with a design flow of 0.054 million gallons per day, without effluent disinfection. The Town is authorized to discharge into the Clark Fork River (with effluent limitations) via permit #MT0021555.

39.b. ☐ Y ☐ N ☒ NA Have the necessary permits been obtained to comply with §§ 75-5-410 and 85-2-364, MCA?

40. ☒ Y ☐ N Do you have any plans to measure your diversion and use?

40.a. If yes, describe the plan and the type of measurements you will take.

Flow is measured every five minutes through an Ultra Mag flow meter. Steady flow rates are recorded when the altitude valve on the tank is open.

41. ☐ Y ☒ N Is the means of diversion for any proposed point of diversion a well?

IF YES,

41.a. ☐ Y ☐ N Have all wells been drilled?

41.b. For all wells that have been drilled, what is the name of the well driller and, if available, what is their license number?

41.c. ☐ Y ☐ N For all wells yet to be drilled, will a licensed well driller construct the wells?

41.d. ☐ S ☐ NA Submit any well logs not yet submitted to the Department.

BENEFICIAL USE

42. ☐ Y ☒ N Does the Department have a volume, period of diversion, or period of use standard for the purposes for which water is proposed? Department standards can be found in the DNRC Water Calculation Guide, ARM 36.12.112, and ARM 36.12.115.

42.a. ☐ Y ☒ N If yes, do all proposed beneficial uses fall within Department standards?

42.b. If no Department standard exists, or if any proposed beneficial use falls outside of Department standards, explain how the requested flow rate and volume are reasonable for the purpose.

The requested flow rate of the proposed appropriation is justifying historical use and represents the difference between the total flow historically diverted versus that claimed by 76M 45355 and which the City of Alberton has utilized within its distribution system. The distribution system was upgraded in 2024 and 2025 with new piping and was sized for future growth. Given the number of residential and commercial users and the requirement of the system to provide fire flows, and the historic use of the cumulative flows, the appropriation is considered reasonable for the purpose.

43. ☒ Y ☐ N Will your proposed project be subject to DEQ requirements for a public water supply (PWS) system or Certificate of Subdivision Approval (COSA)?

44. ☐ Y ☒ N Are you proposing to use surface water for in-house domestic use?

44.a. ☐ Y ☐ N If yes, does a COSA exist for the proposed place of use?

44.a.i. ☐ S ☐ NA If yes, please submit the COSA.

44.a.ii. ☐ Y ☐ N If no, have you researched or consulted with DEQ regarding their requirements?



POSSESSORY INTEREST

45. ☒ Y ☐ N Do you meet one of the exceptions to possessory interest requirements, pursuant to ARM 36.12.1802? Exceptions include cases where the application is for sale, rental, distribution, or is a municipal use, or in any other context in which water is being supplied to another and it is clear that the ultimate user will not accept the supply without consenting to the use of water on the user's place of use.

45.a. If yes, explain.

46. ☐ Y ☐ N ☒ NA Do you own all proposed places of use? Mark "NA" if you meet one of the exceptions to the possessory interest requirement.

IF NO,

- 46.a. ☐ S Explain and submit documentation that shows you either have possessory interest or written permission of the parties with possessory interest of the place of use.

S

- 46.b. ☐ Y ☒ N Would you like the water right to be appurtenant to the land? Please note that if your water right is not appurtenant to land it will not transfer by default with the conveyance of the property, pursuant to § 85-2-403, MCA.

46.b.i. If no, explain.

PROPOSED COMPLETION PERIOD

47. How much time will be needed to complete this project and to submit to the DNRC a Project Completion Notice (Form 617)? 60 days

48. Please describe why this amount of time is needed to complete this project.
This amount of time will allow for correspondence between the City Engineer and other contracted professionals.



AFFIDAVIT & CERTIFICATION

Read carefully before you sign and review with legal counsel if you have any questions. All owners (or trustees) must sign the form. ***If the owner is a business or trust, include the title of the representative(s) signing the form (i.e., president, trustee, managing partner, etc.) and provide documentation that establishes the authority of the representative to sign the application.*

I affirm the information provided for this application is to the best of my knowledge true and correct. If a preapplication meeting form was submitted, I am aware that my application for this project will not qualify for a discounted filing fee and expedited timelines if upon submittal of the application to the Department, I changed any element of the proposed application from the preapplication meeting form and follow-up materials (ARM 36.12.1302(6)(a)).

I affirm I have possessory interest, or the written consent of the person with the possessory interest, in the property where the water is to be put to beneficial use, unless this application meets an exception to the possessory interest requirements in ARM 36.12.1802(1)(b).

I understand that making a false statement under oath or affirmation in this application and official proceedings throughout the examination of my application may subject me to prosecution under § 45-7-202, MCA, a misdemeanor punishable by a jail term not to exceed 6 months or a fine not to exceed \$500, or both. I have read this Affidavit and understand the terms and conditions.

I declare under penalty of perjury and under the laws of the state of Montana that the foregoing is true and correct.

Printed Name Loreen M. Felstet, Mayor

Applicant Signature Loreen M. Felstet Date: 1-6-2026

Printed Name Timothy K. Fox, Councilor

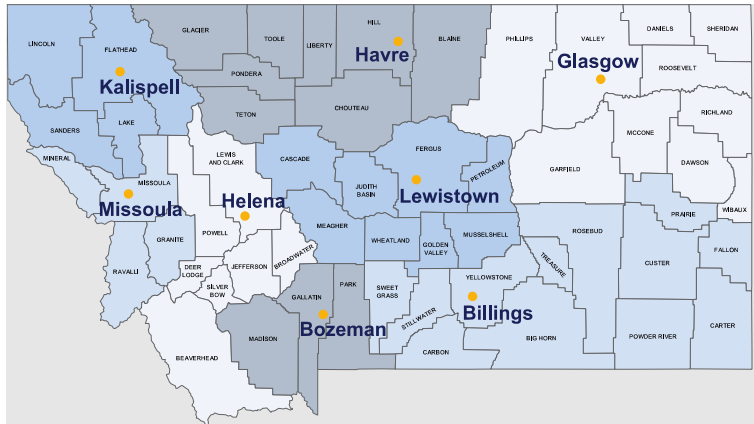
Applicant Signature Tim Fox Date: 1-6-2026

Printed Name Marvin J. Garding

Applicant Signature Marvin J. Garding Date: 1/6/26



WATER RESOURCES REGIONAL OFFICES



BILLINGS

Airport Industrial Park, 1371 Rimtop Dr
Billings, MT 59105-9702

PHONE 406-247-4415 FAX 406-247-4416

EMAIL DNRCBillingsWater@mt.gov

Big Horn, Carbon, Carter, Custer, Fallon, Powder River, Prairie, Rosebud, Stillwater, Sweet Grass, Treasure, and Yellowstone Counties



BOZEMAN

2273 Boot Hill Court, Suite 110
Bozeman, MT 59715-7249

PHONE 406-586-3136 FAX 406-587-9726

EMAIL DNRCBozemanWater@mt.gov

Gallatin, Madison, and Park Counties



GLASGOW

222 6th Street South, PO Box 1269
Glasgow, MT 59230-1269

PHONE 406-228-2561

EMAIL DNRCGlasgowWater@mt.gov

Daniels, Dawson, Garfield, McCone, Phillips, Richland, Roosevelt, Sheridan, Valley, and Wibaux Counties



HAVRE

210 6th Ave., PO Box 1828
Havre, MT 59501-1828

PHONE 406-265-5516

EMAIL DNRCHavreWater@mt.gov

Blaine, Chouteau, Glacier, Hill, Liberty, Pondera, Teton, and Toole Counties



HELENA

1424 9th Ave., PO Box 201601,
Helena, MT 59620-1601

PHONE 406-444-6999 FAX 406-444-9317

EMAIL DNRCHelenaWater@mt.gov

Beaverhead, Broadwater, Deer Lodge, Jefferson, Lewis and Clark, Powell, and Silver Bow Counties



KALISPELL

655 Timberwolf Parkway, Suite 4
Kalispell, MT 59901-1215

PHONE 406-752-2288

EMAIL DNRCKalispellWater@mt.gov

Flathead, Lake, Lincoln, and Sanders Counties



LEWISTOWN

613 Northeast Main St., Suite E
Lewistown, MT 59457-2020

PHONE 406-538-7459

EMAIL DNRCLewistownWater@mt.gov

Cascade, Fergus, Golden Valley, Judith Basin, Meagher, Musselshell, Petroleum, and Wheatland Counties



MISSOULA

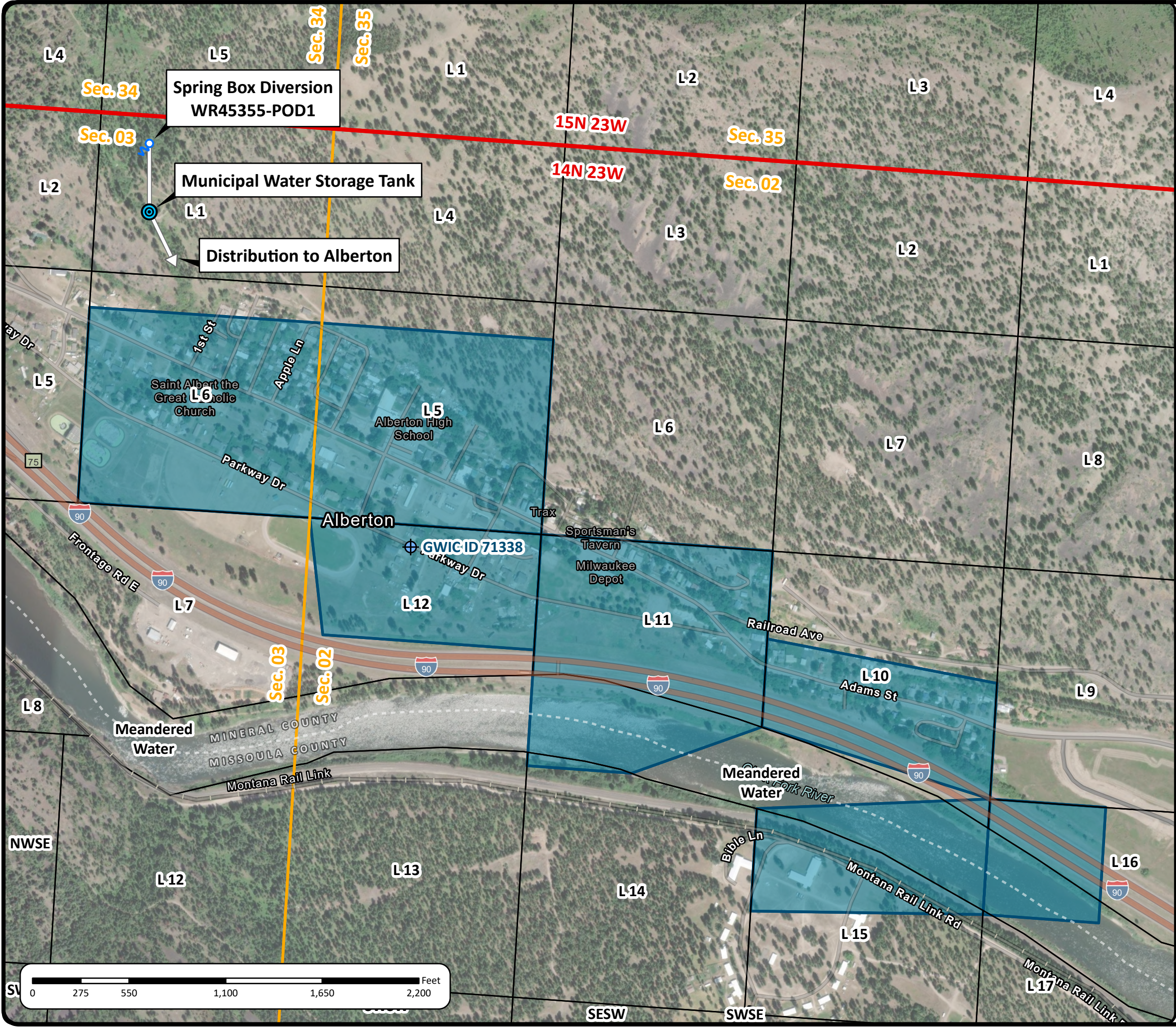
2705 Spurgin Rd. Bldg. C, PO Box 5004
Missoula, MT 59806-5004

PHONE 406-721-4284 FAX 406-542-5899

EMAIL DNRCMissoulaWater@mt.gov

Granite, Mineral, Missoula, and Ravalli Counties

Question 17



NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	4/28/25	LG	CE
2	ADD TANK AND WATER LINE	5/8/25	LG	CE
3	ADD WATER RIGHTS	6/2/25	EL	CE
4				
5				

NOTES

SPRING LOCATION
ALBERTON, MINERAL COUNTY, MT
JOB#: AMCEM01
DATE: 12/22/2025
Path: M:\AMCEM01\GIS\WaterRight\WaterRight.aprx, Author: jgeorge

FIGURE 1



- Spring
- Water Storage Tank
- GWIC Well
- Water Line (Approximate Location)
- 76M 45355 00 and 76M 13904 00 Places of Use
- PLSS Township & Range
- PLSS First Division
- PLSS Second Division

Question 22



February 15, 2024

Paul Montgomery, PE
Anderson-Montgomery Consulting Engineers
1064 N. Warren Street
Helena, MT 59601

**RE: E.Q. 24-1150: Town of Alberton Water System Improvements Phase II
(PWSID No. MT0000015)**

Dear Mr. Montgomery:

Construction documents and project manuals were received February 8, 2024, for the above-referenced project and have been reviewed for the SRF program. Approval is hereby given based on documents received under the seal of you, **Paul W. Montgomery (No. 9265 PE)**. One set of documents bearing the approval stamp of the Department of Environmental Quality (DEQ) is enclosed. DEQ will retain the second set and the third set will be sent to the county sanitarians.

This project has three bid schedules. Base Bid A includes significant upgrades to the distribution system. The base bid will include approximately 1,420 LF of 12-inch C900 PVC water main; 1,725 LF of 10-inch C900 PVC water main; 1,110 LF of 8-inch C900 PVC water main; and 3,275 LF of 6-inch C900 PVC water main. The project will also include 50 LF of 12-inch HDPE water main; 51 LF of 8-inch HDPE water main, and 213 LF of 6-inch HDPE water main. All of the HDPE pipe will be installed using trenchless methods. The base bid project will include all associated valves, hydrants, fittings, and surface restoration as shown on the plans and indicated in the specifications. All of the project work will occur within existing Town rights-of-way.

Additive alternative B includes the replacement and installation of water meters and associated meter reading and billing capability. The meter sizing and installation shall be completed as shown on the plans and indicated in the specifications and will include any necessary surface restoration, seeding, and fertilization.

Additive Alternative C consists of spring source improvements. The project will include installation of a 60-inch concrete spring structure, fencing, surface

restoration, seeding, and fertilization, as shown in the plans and indicated in the specifications.

Four deviation requests were submitted for this project:

1. DEQ-1, 7.0.1.a & b. Finished Water Storage Sizing. The deviation was approved.
2. DEQ-1, 8.4.4.4.c-Hydrant Drain. The deviation was approved.
3. DEQ-1, 8.8.2-Parallel Installation. The deviation was approved.
4. DEQ-1, 8.8.3-Crossings. The deviation was approved.

Approval is given with the understanding that any deviation from the approved plans and specifications, other than any deviations previously approved, will be submitted to the Department for reappraisal and approval. Prior to operation of the water system components affected by the project, certification must be submitted to the Department that the work was completed in substantial accordance with the approved plans and specifications. This certification must state there are no deviations from the design standards other than those previously approved by the Department. Within 90 days following completion of the project, a complete set of "as-built" record drawings must be signed, stamped, and certified to be constructed in accordance with approved plans and specifications and submitted to the department by the project engineer.

The applicant is responsible for compliance with all applicable federal, state, local, and tribal law, regulations, and ordinances, including but not limited to, the Montana Water Use Act, Mont. Code Ann. Title 85, Chapter 2. Approval in this document is limited solely to the matters therein specifically contained and does not constitute approval, implied or otherwise, for the purposes of any other law, regulation, or ordinance.

It is further understood that construction will be completed within three years of this date. If more than three years elapse before construction is complete, it shall be necessary to resubmit the plans and specifications before construction may continue.

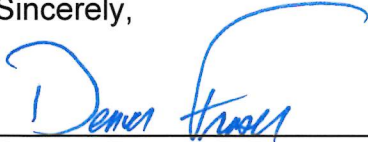
This project may now be advertised, and bids opened. As soon as possible, please notify us of the date on which bids will be opened.

At this time, the Department has received an application for financing of the project through the Drinking Water State Revolving Fund (DWSRF). In order to assure continued eligibility for the full amount of the loan, the recipient must have DEQ authorization to award the contract. **DWSRF Policy Statement No.1 (enclosed) itemizes documentation that must be submitted to the Department after bids have been received.** Please note that a loan recipient must assure implementation and documentation of affirmative steps taken to solicit participation by Minority Business Enterprises (MBE) and Women Business Enterprises (WBE). The MBE/WBE requirements must be met before DEQ authorizes an award to any bidder.

Also, enclosed is a list of project performance standards that the recipient must satisfy by construction and operation of the project. The engineer and the recipient must certify, one year after completion of the project, that the project performance standards have been met.

I look forward to working with you and wish you good luck with this project. If you have any questions, please don't hesitate to call.

Sincerely,



Denver Fraser, P.E.
Drinking Water SRF Loan Program
Engineering Bureau
dfraser@mt.gov
406.444.5118

Cc: Anna LeDuc, Town of Alberton Mayor (email)
Anna Miller, DNRC (email)
Cid Sivils, DNRC (email)
Samantha Treu, DNRC (email)
Lindsey Siebrasse, DOC (email)

Encls: Policy Statement No. 1
Project Performance Standards

**One-Year Project Performance Standards for the
Town of Alberton Water System Improvements
PWSID No. MT0000015 (EQ No. 24-1150)**

This project consists of three bid schedules. The base bid schedule consists of water main installation and replacement and looping installation. Bid alternative B consists of the installation of meters and associated meter reading capability. Bid alternative C consists of improving the Town's spring source and providing fencing for security at the spring site.

Water Distribution System

1. All improvements shall be constructed according to the approved plans and specifications and, where applicable, in accordance with Circular DEQ 1, Standards for Water Works.
2. The water distribution system improvements shall operate as specified. Backfill shall conform to the specifications and there shall be no evidence of excessive settling due to improper construction, bedding, or compaction.
3. All water distribution system appurtenances, including valves, shall be installed and operate as specified.
4. The water distribution system improvements, including appurtenances, shall consist of the materials specified, unless subsequently approved otherwise, and be constructed and operated in accordance with the approved design and in accordance with DEQ-1 Standards for Water Works Chapter 8. This shall include bedding, cover, blocking, pressures, and flows. There shall be no evidence of excessive leakage.
5. There shall be no unprotected cross-connections created by the distribution system improvements.

Water Meters

6. The water meter installations, water meter pits, and meter reading equipment shall be constructed, installed, and operating as designed.
7. All surface restoration will be completed in accordance with the plans and specifications.

Spring Source Improvements

8. The new 60" concrete spring structure shall be constructed and operating in accordance with the approved plans and specifications in accordance with DEQ-10 requirements.
9. All surface restoration will be completed in accordance with the plans and specifications.

The above performance standards are minimum criteria that do not address all of the features of this project that will be inspected at the end of one year of operation. It is expected that the contractor(s) will construct the project in accordance with the plans and specifications. Defects in materials or workmanship shall be corrected to the full satisfaction of the owner.

One-Year Project Performance Standards for the
Town of Alberton Water System Improvements
PWSID No. MT0000015 (EQ No. 24-1150)

This project consists of three bid schedules. The base bid schedule consists of water main installation and replacement and looping installation. Bid alternative B consists of the installation of meters and associated meter reading capability. Bid alternative C consists of improving the Town's spring source and providing fencing for security at the spring site.

Water Distribution System

1. All improvements shall be constructed according to the approved plans and specifications and, where applicable, in accordance with Circular DEQ 1, Standards for Water Works.
2. The water distribution system improvements shall operate as specified. Backfill shall conform to the specifications and there shall be no evidence of excessive settling due to improper construction, bedding, or compaction.
3. All water distribution system appurtenances, including valves, shall be installed and operate as specified.
4. The water distribution system improvements, including appurtenances, shall consist of the materials specified, unless subsequently approved otherwise, and be constructed and operated in accordance with the approved design and in accordance with DEQ-1 Standards for Water Works Chapter 8. This shall include bedding, cover, blocking, pressures, and flows. There shall be no evidence of excessive leakage.
5. There shall be no unprotected cross-connections created by the distribution system improvements.

Water Meters

6. The water meter installations, water meter pits, and meter reading equipment shall be constructed, installed, and operating as designed.
7. All surface restoration will be completed in accordance with the plans and specifications.

Spring Source Improvements

8. The new 60" concrete spring structure shall be constructed and operating in accordance with the approved plans and specifications in accordance with DEQ-10 requirements.
9. All surface restoration will be completed in accordance with the plans and specifications.

The above performance standards are minimum criteria that do not address all of the features of this project that will be inspected at the end of one year of operation. It is expected that the contractor(s) will construct the project in accordance with the plans and specifications. Defects in materials or workmanship shall be corrected to the full satisfaction of the owner.

DWSRF POLICY STATEMENT NO. 1

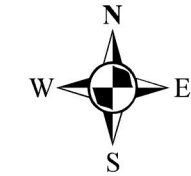
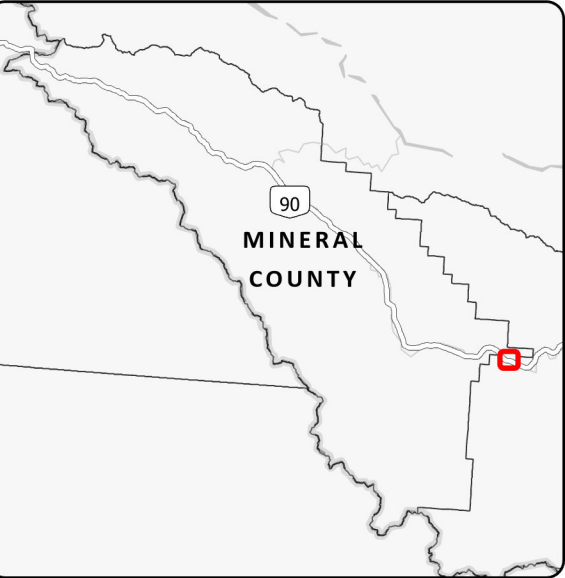
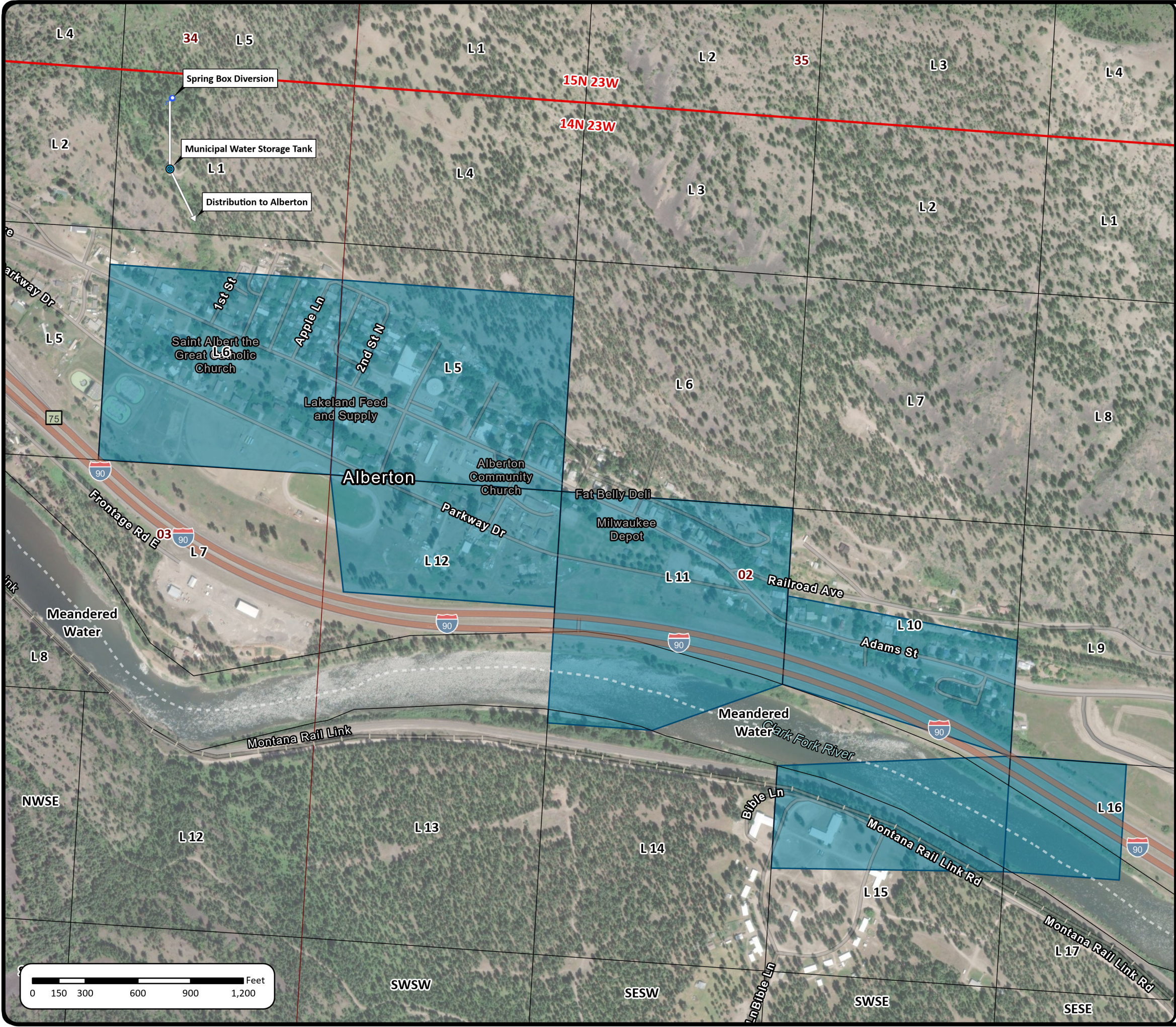
DATE: February 15, 2024
TO: Town of Alberton (PWSID No. MT0000015)
FROM: Drinking Water SRF Program
SUBJECT: Bidding Documents (E.Q. 24-1150)

This policy statement lists documentation that must be provided to the Drinking Water State Revolving Fund (DWSRF) Program prior to award of construction contracts. The DWSRF program will review bids, bidding procedures and related documentation to assess compliance with applicable regulations and program requirements. Ensuring that contracts are awarded to the lowest responsive and responsible bidder is an important part of this review. Contracts are not to be awarded until authorized by the DWSRF Program.

The following documents must be submitted to the DWSRF program for review prior to award of construction contracts:

1. ☐ Site Title Opinion (if not previously obtained).
2. ☐ Certified tabulation of all bids received.
3. ☐ Proposal/bid form, bid bond and debarment form from the selected bidder.
4. ☐ A copy of each addendum issued during the bidding period and acknowledgment of receipt of each addendum by all bidders.
5. ☐ Proof of bid advertising indicating circulation dates and time for receipt of bids.
6. ☐ Demonstration of compliance with MBE/WBE requirements as contained in the Project Specifications Section 00900 Funding Agency Special Provisions for Montana Public Facility Projects.
7. ☐ A statement from the authorized representative giving names of the bidders to whom the loan recipient wishes to award contracts and the amount of each contract.
8. ☐ If an award is proposed to be made to other than the low bidder, a justification from the applicant as to why the lower bidders are not responsive or responsible.
9. ☐ If a loan increase is needed because bids are greater than the original cost estimate, a revised project budget.

Question 32



NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	4/28/25	LG	CE
2	ADD TANK AND WATER LINE	5/8/25	LG	CE
3	ADD WATER RIGHTS	6/2/25	EL	CE
4				
5				

NOTES

SPRING LOCATION
ALBERTON, MINERAL COUNTY, MT
JOB#: AMCEM01
DATE: 6/2/2025
Path: M:\AMCEM01\GIS\WaterRight\WaterRight.aprx, Author: elahay

FIGURE 1



- Spring
- Water Storage Tank
- Water Line (Approximate Location)
- PLSS Township & Range
- PLSS First Division
- PLSS Second Division
- 76M 45355 00 and 76M 13904 00 Place of Use

Question 33

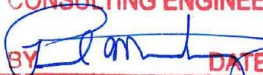
MJD Contracting, LLC.

12 Ponderosa Rd Clancy, MT 59634

Letter of Transmittal

To:

Anderson-Montgomery Consulting En
Attn: Paul Montgomery
1064 N. Warren St.
Helena, MT 59601

REVIEWED	☒
REVIEWED & NOTED	☐
If checked below, fabrication MAY NOT BE UNDERTAKEN	
REVISED & RESUBMIT	☐
Checking is only for conformance with the design concept and compliance with the information given in the Contract Documents. Contractor is responsible for dimensions and quantities, for information that pertains solely to the fabrication and /or construction process, and for coordination of the work of all trades.	
ANDERSON - MONTGOMERY CONSULTING ENGINEERS	
BY 	DATE 7-3-20

Date:

July 2, 2020

Project

Job Name:

Alberton Water System Improvements

Address:

City/State/Zip:

Alberton, MT

We are sending you:

☒ Attached

☐ Under Separate Cover

Via: E-mail

The following items:

☐ Shop Drawings

☐ Plans

☐ Samples

☐ Specifications

☒ Product/Technical Data

Copies	Item Dated	Item No.	Spec Section	Description
1		6	40 71 13	Mag Flowmeter
1		7	40 71 13	Insertion Flowmeter

The above items are transmitted to you:

☒ For approval

☐ Approved as submitted

☐ Resubmitted for approval

☐ For your use

Remarks:

Copy To: _____

Signed:  _____

By signing, I certify that I have reviewed and check submittals for general conformance to the project specifications and methods to be performed.



Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Ultra Mag® Sensor



ProComm Converter



Ultra Mag models UM06 and UM08 flanged tube flow meters are manufactured to the highest standard available for mag meters.

The flanged end tube design permits use in a wide range of applications with up to 300 PSI working pressure.

The fabricated tube is stainless steel with steel or stainless steel flanges and is lined with UltraLiner™, an NSF approved, fusion bonded epoxy material.

INSTALLATION

Ultra Mag flow meter installation is similar to placing a short length of flanged end pipe in the line. The meter can be installed vertically, horizontally, or inclined on suction or discharge lines. The meter must have a full pipe of liquid for proper operation. Fluid must be grounded to the downstream flange of the sensor either via internal grounding electrodes (4 - 12") or using McCrometer 316 SS grounding rings.

For best performance, grounding rings are recommended for all sizes. Any 90 or 45 degree elbows, valves, partially opened valves, etc. should not be placed closer than one pipe diameters upstream and zero pipe diameters downstream.

All blending and chemical injection should be done early enough so the flow media is thoroughly mixed prior to entering the measurement area.

PROCOMM CONVERTER

The signal converter is the reporting, input and output control device for the sensor. The converter allows the measurements, functional programming, control of the sensor and data recording to be communicated through the display and inputs/outputs.

The microprocessor-based signal converter has a curve-fitting algorithm to improve accuracy, dual 4-20mA analog outputs, an optional RS485 communication port, an 8 line graphical backlit LCD display with 6-key touch programming, and a rugged enclosure that meets IP67.

In addition to a menu-driven self-diagnostic test mode, the converter continually monitors the microprocessor's functionality. The converter will output rate of flow and total volume. The converter also comes standard with password protection and many more features.

AVAILABLE ULTRA MAG FLANGED MODELS

UM06

Steel AWWA Class "D" flat face flanges
(150 PSI)

UM08 2", 3", AND ≥14"

Steel AWWA Class "F" raised face flanges
(300 PSI)

UM08 4" TO 12"

Steel ANSI 300 lb. Raised Face Flanges

PERFORMANCE ADVANTAGES

- Needs only 1 pipe diameter upstream of most flow disturbers
- No obstruction to the flow
- No moving parts to wear or break
- Maintenance free
- Worry-free accurate measurement
- Debris or solids will not clog the meter
- No head loss
- Bi-directional flow
- Empty pipe detection
- Unaffected by changes in density and viscosity
- No risk of liner delamination or separation
- Wide flow range
- Separated power and signal cables

TYPICAL APPLICATIONS

Industrial

Raw Water	Process Control
Chilled Water	Effluent Wastewater
Cooling Water	

Clean Water

Well Water	Rate-of-Flow Control
Potable Water	Raw Water Transmission
Pump Stations	

Wastewater

Influent	Waste Activated
Effluent	Sludge
Reclaimed	Return Activated
Lift Stations	Sludge

Ultra Mag Part Number Matrix

[illegible]

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

ISOLATED POWER AND SIGNAL

The power and signal between the converter and sensor are isolated and placed in separate cables giving superior resistance to electrical signal noise compared to single cable designs. An added benefit from the dual cable design is a maximum cable length of up to 500ft.

FLOW METER SPECIFICATIONS

Pipe Sizes	
2", 3", 4", 6", 8", 10", 12", 14", 16", 18", 20", 24", 30", 36", 42", 48"	
Flow Direction Measurement	
Forward and reverse flow indication and forward, reverse, net totalization are standard with all meters	
Accuracy	
Plus or minus 0.5% of actual flow (battery powered is $\pm 1\%$ of flow) IMPORTANT NOTICE ON FLOW METER ACCURACY: The flow meter, the cable and the electronics are factory calibrated for accuracy as a single unit. Changing the cable length with the Splice Kit changes the accuracy of the meter and invalidates the calibration certificate.	
Accuracy Tests	
5-point wet flow calibration of every complete flow tube with its signal converter. If desired, the tests can be witnessed by the customer. The McCrometer test facilities are traceable to the National Institute of Standards & Technology. Uncertainty relative to flow is $\pm 0.15\%$	
Repeatability	
$\pm 0.05\%$ or $\pm 0.0008\text{ft/s}$ ($\pm 0.25\text{mm/s}$), whichever is greater	
Conductivity	
5 $\mu\text{s/cm}$	
Liner	
UltraLiner NSF approved, fusion bonded epoxy	
Electrodes	
Type 316 stainless steel, others optional	
Electrical Connections	
• Compression gland seals • Quick-Connect	
IP Rating	
Standard model	• Quick Connect (NEMA 6P/IP68 with remote converter) • Compression gland seals (NEMA 6P/IP68 with remote converter)
HL model	• Quick Connect (IP67) • Compression gland seals (IP67)
Sensor Submersibility Depth	
With standard strain relief cable	9 m (30 ft.)
With optional quick connect cable	1.8 m (6 ft.)

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Head Loss		
	None. No obstruction in line and no moving parts	
Warranty		
Meter	2 year warranty	
Liner	Lifetime guarantee	
Pressure Range		
	150 PSI maximum working pressure (UM06); 300 PSI maximum working pressure (UM08)	
Velocity Range		
	.2 to 32 FPS	
Temperature Range		
	Sensor Operating: -10 to 60°C (14 to 140°F) Sensor Storage: -15 to 60°C (5 to 140° F)	
Certifications and Approvals		
Standard Model	• ISO 9001:2015 certified quality management system • Certified by MET to UL 61010-1	
HL Model	• ISO 9001:2015 certified quality management system • Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04 • Class I, Division 2, Groups A-D, T5 • Class I, Zone 2, IIC T5	
System Options		
	• Hastelloy® electrodes • Additional sensor cable up to 475' • Annual verification / calibration • Stainless steel ID tag	
Meter Options		
	• DC powered converter (10-35 VDC, 21 W) • Meter mounted converter • Extended warranty • Hastelloy® electrodes • ANSI or DIN flanges • Quick Connect cable fittings • Special lay lengths, including ISO standard lay lengths	• Converter sun shield • HART® Converter • Smart Output™ (Sensus or Itron compatible) • Battery or battery-solar powered converter (Not MET approved, ±1% accuracy)

Specification Sheet

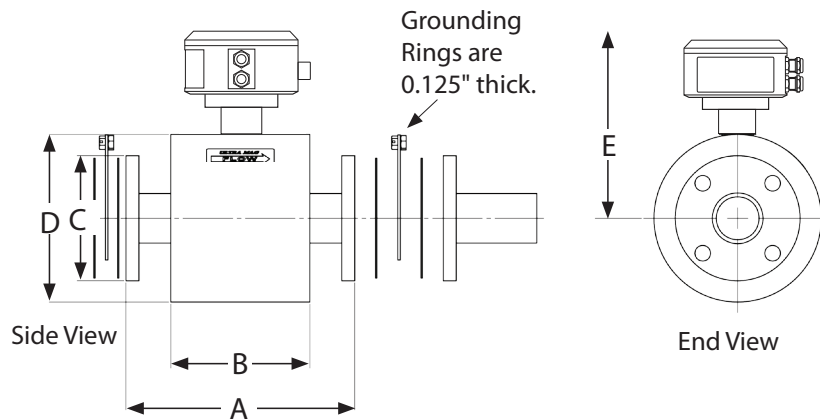
Ultra Mag Flow Meter with ProComm Converter

FLOW METER PIPE SIZES AND FLOW RANGES

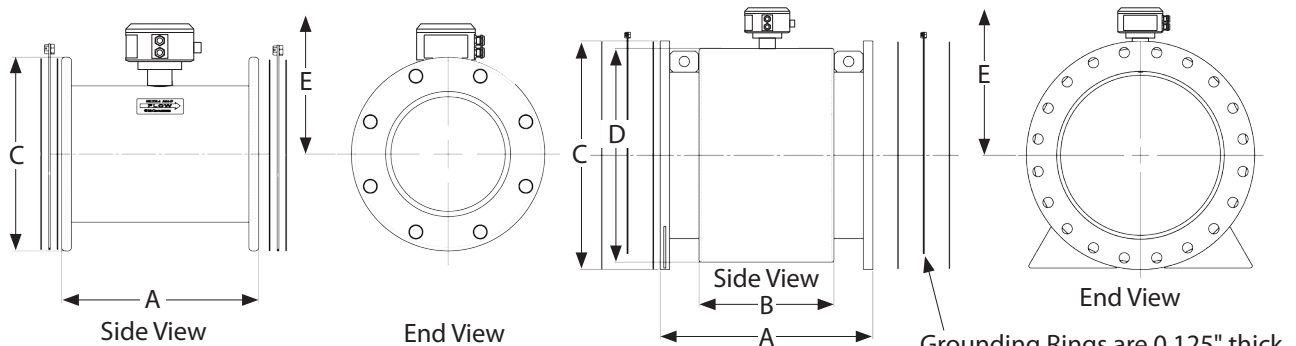
Pipe Size (Nominal)	Meter Pipe ID	Flow Ranges GPM Standard .2 to 32 FPS Min - Max	DIMENSIONS (Lay Lengths)							Estimated Shipping Weight (lbs.)	
			A*		B	C		D	E	UM06	UM08
			UM06	UM08		UM06	UM08				
2"	2.117	2 - 340	11.00	11.00	6.70	6.00	6.50	7.90	9.26	93	107
3"	3.220	5 - 730	13.40	13.40	6.70	7.50	8.25	9.40	10.01	97	111
4"	3.720	8 - 1,140	13.40	13.40	n/a	9.00	10.00	n/a	8.06	78	108
6"	5.692	19 - 2,660	14.60	14.60	n/a	11.00	12.50	n/a	9.06	82	138
8"	7.692	33 - 4,870	16.10	17.25	n/a	13.50	15.00	n/a	10.06	115	195
10"	9.682	52 - 7,670	18.50	18.50	n/a	16.00	17.50	n/a	10.46	144	247
12"	11.682	74 - 11,180	19.70	19.70	n/a	19.00	20.50	n/a	12.31	193	342
14"	13.440	90 - 16,070	21.70	22.75	12.00	21.00	23.00	20.30	15.46	321	476
16"	15.440	118 - 20,900	23.60	25.25	14.20	23.50	25.50	21.10	16.21	390	645
18"	17.440	150 - 26,480	23.60	25.25	14.20	25.00	28.00	21.10	17.21	446	750
20"	19.440	185 - 32,720	25.60	28.25	16.20	27.50	30.50	24.80	18.26	588	874
24"	23.440	270 - 47,180	30.70	35.75	21.70	32.00	36.00	29.60	20.11	769	1,568
30"	29.190	420 - 73,620	35.80	41.75	26.50	38.75	43.00	35.90	23.26	1,261	2,317
36"	35.190	610 - 105,930	46.10	46.10	28.20	46.00	50.00	42.70	26.66	1,696	2,915
42"	41.190	830 - 144,370	48.05	**	32.10	52.75	**	48.35	29.99	**	**
48"	47.190	1,080 - 188,430	50.00	**	36.00	59.50	**	54.00	33.31	**	**

* Laying lengths for meters with ANSI Class 150 Flanges are equal to UM08 laying lengths

** Consult factory



2" and 3" Models Body Style



4" to 12" Models Body Style

14+ inch Models Body Style

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER PART NUMBER MATRIX

PC	-				
CONVERTER MOUNTING OPTIONS					
Remote Mount	R				
Meter Mount	M				
CONVERTER POWER OPTIONS					
AC Power	A				
DC Power	D				
Battery Power [25ft remote cable max]	B				
CONVERTER OUTPUT OPTIONS					
Dual 4-20mA Analog, Dual Digital (Standard)		1			
Modbus + STD (Two 4-20, two Dig)		2			
Hart + STD (Two 4-20, two Dig)		3			
Datalogger/BIV + STD (Two 4-20, two Dig)		4			
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)		5			
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)		6			
AMI Smart Output + STD (Two 4-20, two Dig)		7*			
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)		8*			
AMI Smart Output + Dig Out + Datalogger (Battery power only)		9*			
Digital Out + Datalogger (Standard Battery Power only)		0			
SMART OUTPUT PROTOCOL OPTIONS (*7, 8, OR 9 OUTPUT OPTION REQUIRED)					
No AMI Outputs				-	
Sensus Protocol (6ft cable, Nicor Connector hardwired only)				SEN	
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)				ITR6	
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)				ITR9	

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER SPECIFICATIONS

Power Source

AC	100-240 VAC / 45-66 Hz (10 W) *	* AC or DC must be specified at time of ordering.
DC	10-35 VDC (10 W) *	

Standard Outputs

Dual 4-20mA Outputs: Galvanically isolated and fully programmable for zero and full scale (0-21mA rangeability)		
Two separate digital programmable outputs: open collector transistor usable for pulse, frequency, or alarm settings.		
- Volumetric Pulse - Flow Rate (Frequency) - Hardware Alarm - High/Low Flow Alarms - Empty Pipe - Directional Indication	- Range Indication - Maximum switching voltage: 40 VDC - Maximum switching current: 100mA	- Maximum switching frequency: 1250 Hz - Insulation from other secondary circuits: 500V

Optional Outputs

- Modbus - HART	Smart Output™ (Sensus, Itron 6, Itron 9)	- Datalogger - Built-in verification
--	--	---

Galvanic Isolation

All inputs / outputs are galvanically isolated from power supply up to 500 V

Engineering Units

- Cubic Meter - Cubic Centimeter - Milliliter - Liter - Cubic Decimeter - Decaliter - Hectoliter - Cubic Inches	- US Gallons - Imperial Gallons - Cubic Feet - Kilo Cubic Feet - Standard Barrel - Oil Barrel - US Kilogallon - Ten Thousands of Gallons	- Imperial Kilogallon - Acre Feet - Megagallon - Imperial Megagallon - Hundred Cubic Feet - Megaliters
--	---	---

Conductivity

Minimum conductivity of 5µS/cm

Electrical Connections

Connection options	- Compression gland seals for 0.24" to 0.47" diameter round cable - Conduit option: 1/2" NPT threaded connections
---------------------------	--

Sensor Cable Lengths

Standard	25' McCrometer supplied submersible cable with each remote mount unit.
Optional	Up to 500 feet, or 25 feet max for battery powered.
Quick Connect	Available in standard cable lengths: 25', 50', 75', 100', 125', 150', 175', 200', and 500'. Custom cable lengths at additional cost.

IP Rating

IP67 Die cast aluminum converter (only when connected using compression gland seals)

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model	• ISO 9001:2015 certified quality management system • CE • Certified by MET to UL 61010-1
HL Model	• ISO 9001:2015 certified quality management system • CE • Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04 • Class I, Division 2, Groups A-D, T5 • Class I, Zone 2 IIC T5



System Options

- | | |
|---|---|
| <ul style="list-style-type: none"> • Hastelloy® electrodes • DC power • Additional sensor cable up to 475' (500' max for model 395 and 200' max for model 394) | <ul style="list-style-type: none"> • Extension to hardware clearance • Annual verification / calibration • Sensor insertion tool • Stainless steel ID tag |
|---|---|

Temperature Range

Operating and storage	-20° to 60° C (-4° to 140° F)
------------------------------	-------------------------------

Converter Dimensions

Remote mount	• Height: 7.3" (18.5 cm) • Width: 8.5" (21.6 cm) • Depth: 4.3" (10.9 cm)
Meter mount	• Height: 6.9" (17.5 cm) • Width: 7.2" (18.25 cm) • Depth: 6.2" (15.7 cm)

Keypad and Display

Can be used to access and change set-up parameters using six membrane keys and an LCD display

Note regarding cable length: McCrometer recommends minimizing cable length. Electromagnetic flow meters may have unfavorable signal strength to noise ratio in electrically noisy environments. Longer lengths of cable increase the likelihood of interference. In those cases where the meter's signal must be transmitted a long distance, or where the environment may be particularly noisy, we suggest using the converter's analog output(s). That allows locating the converter as close as possible to the metering location.

Specification Sheet

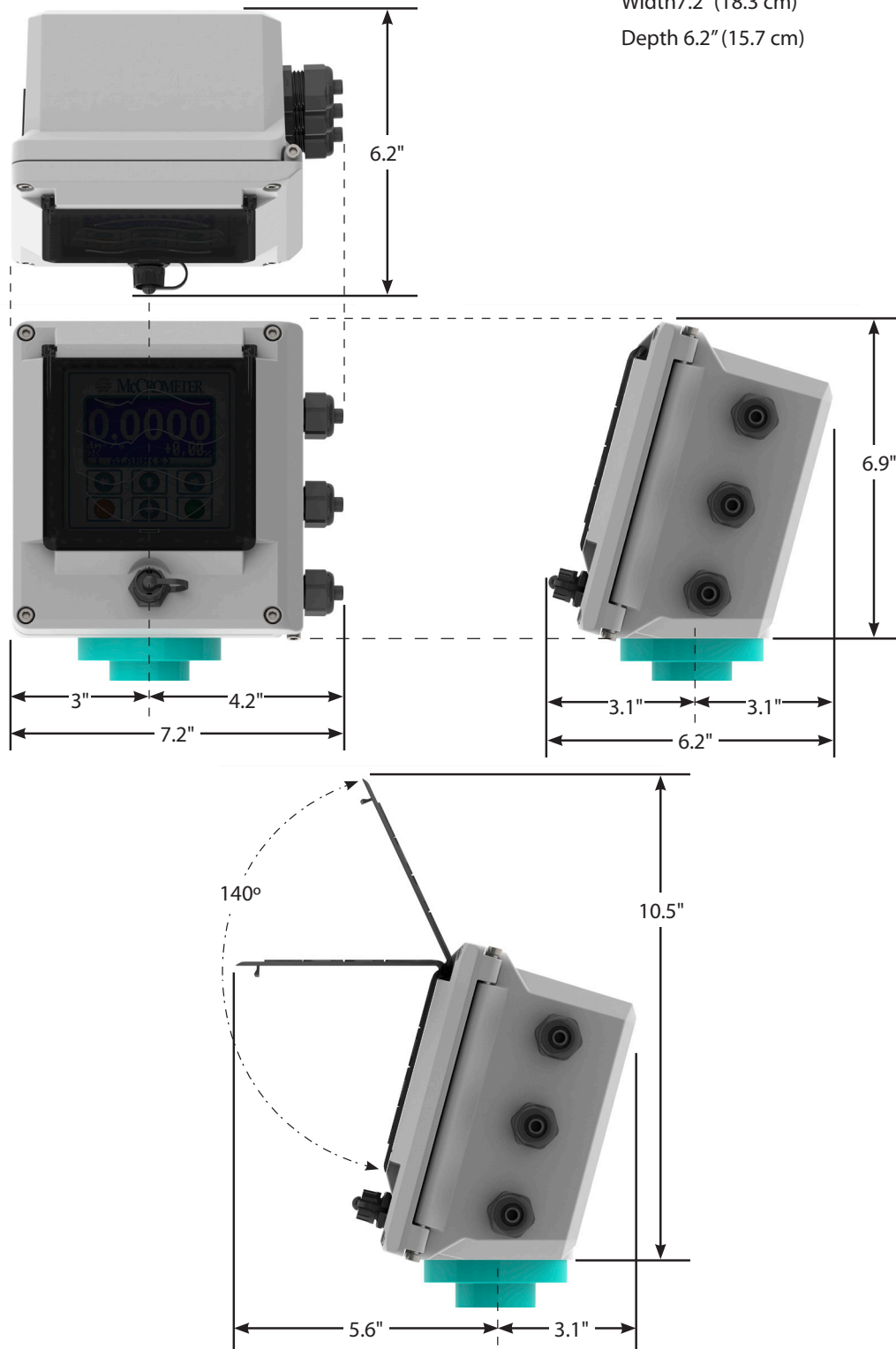
Ultra Mag Flow Meter with ProComm Converter

METER MOUNT CONVERTER DIMENSIONS

Height 6.9" (20.1 cm)

Width 7.2" (18.3 cm)

Depth 6.2" (15.7 cm)



Copyright © 2001-2019 McCrometer, Inc. All printed material should not be changed or altered without permission of McCrometer. Any published pricing, technical data, and instructions are subject to change without notice. Contact your McCrometer representative for current pricing, technical data, and instructions.

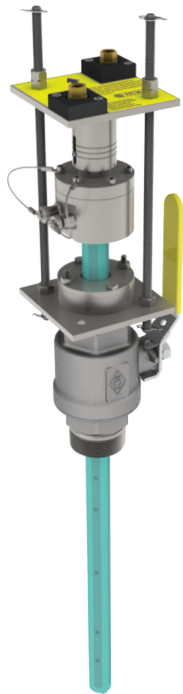
3255 WEST STETSON AVENUE • HEMET, CALIFORNIA 92545 USA
TEL: 951-652-6811 • 800-220-2279 • FAX: 951-652-3078
www.mccrometer.com





FPI Mag Flow Meter with ProComm Converter

FPI Mag® Sensor



ProComm® Converter



The FPI Mag® (Full Profile Insertion) electromagnetic flow meter is the only hot tap full profile insertion flow meter available on the market. The FPI Mag installs without service interruption making it ideal for retrofits, upgrades and maintenance projects and sites never metered before. The hot tap installation significantly reduces installation time eliminating the need to de-water lines or cut pipe.

The multi-electrode sensor delivers an accurate measurement of the full pipe profile rivaling the performance of a full-bore mag meter. The repeatable, stable measurement across the entire flow profile compensates for variable flow profiles, including swirl and turbulent conditions.

The FPI Mag is the industry's most economical flow metering solution offering unbeatable value in the cost of installation and ownership reducing installed costs by more than 45 percent in medium and large line sizes. The compact insertion design fits in confined spaces and offers complete accessibility. The flow meter can be removed in pipes under pressure for easy inspection, cleaning, calibrating, or verification. Installation costs are reduced by eliminating the need for heavy equipment and extensive manpower.

The innovative flow meter comes pre-calibrated from McCrometer's NIST traceable calibration labs and requires no recalibration in the field. With no moving parts and a single-piece design, the FPI Mag's sensor contains nothing to wear or break and is generally immune to clogging by sand, grit, or other debris. The electrodes are encased in a heavy-duty 316 stainless steel sensor body for maximum structural integrity and coated with a NSF certified 3M™ fusion-bonded epoxy coating for operational longevity.

MUNICIPAL WATER AND WASTEWATER

The FPI Mag Full Profile Insertion mag meter supports the following water and wastewater treatment applications:

Water

- Distribution
- Effluent
- Filter balancing and backwash
- Pumping stations
- UV dosing
- Wells and booster stations

Wastewater

- Effluent
- Recycle / reclaim

The FPI Mag is ideal for chilled water in campus style facilities, hospitals, airports, hotels, casinos, etc.

INDUSTRIAL FACILITIES

The FPI Mag is also suitable for a variety of industrial facilities: power plants (including cogeneration), paper mills, chemical & petrochemical plants, metals & mining, and food & beverage.

Applications Include

- Cooling water
- Fire water
- Feed water
- Raw water
- Inlet to surge basin
- Effluent wastewater

Benefits:

- **Hot Tap Installation** - No service interruption
- **Accurate** – Measures the full flow profile
- **Lower Cost** – Installed savings more than 45%
- **Robust** – No moving parts to wear or break
- **Versatile** – Great for plant maintenance, upgrades and retrofits
- **Accessible** – Insertion design provides easy access
- **Virtually No Maintenance** – No field calibration required

FPI MAG PART NUMBER MATRIX

39											
SINGLE DIRECTION /BIDIRECTIONAL											
→ 394 - Bidirectional	4										
→ 395 - Single Direction	5										
STOCK BODY OR CUSTOM LENGTH											
→ Stock Body Length (4-24")	S										
Custom Body Length	C										
NOMINAL LINE SIZE											
	4 in	004									
	6 in	006									
→	8 in	008									
	10 in	010									
	12 in	012									
	14 in	014									
	16 in	016									
	18 in	018									
	20 in	020									
	22 in	022									
	24 in	024									
	30 in	030									
	36 in	036									
	42 in	042									
	48 in	048									
	54 in	054									
	60 in	060									
	66 in	066									
	72 in	072									
Contact Factory for Larger Line Sized		Larger									
ELECTRODE MATERIAL OPTIONS											
→	S316 Stainless Steel (Standard)	S									
	Hastelloy	H									
CABLE CONNECTOR OPTIONS											
→	Quick Connect (Standard)	Q									
	Strain Relief	R									
REMOTE CABLE LENGTH OPTIONS											
→	25 feet (Standard) *	025									
	50 feet	050									
	75 feet	075									
	100 feet	100									
	125 feet	125									
	150 feet	150									
	175 feet	175									
	200 feet *	200									
	500 feet *	500									
Custom Length Cable [User Specified]		CST									

* Maximum cable lengths:
Battery powered converter cable: 25 feet
Model 394: 200 feet
Model 395: 500 feet

continued next page



FPI Mag Flow Meter with ProComm Converter

CONVERTER POWER OPTIONS		
AC Power	A	
DC Power	D	
Battery Power [25ft remote cable max]	B	
Solar Power, Battery Backup [25ft remote cable max]	S	
CONVERTER OUTPUT OPTIONS		
Dual 4-20mA Analog, Dual Digital (Standard)	1	
Modbus + STD (Two 4-20, two Dig)	2	
Hart + STD (Two 4-20, two Dig)	3	
Datalogger/BIV + STD (Two 4-20, two Dig)	4	
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)	5	
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)	6	
AMI Smart Output + STD (Two 4-20, two Dig)	7	
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)	8	
AMI Smart Output + Dig Out + Datalogger (Battery power only)	9	
Digital Out + Datalogger (Standard Battery Power only)	0	
BALL VALVE OPTIONS		
2" NPT SS Ball Valve	N	
2" BSP Brass Ball Valve	B	
No Valve, NPT Hardware	X	
No Valve, BSP Hardware	Y	
SMART OUTPUT PROTOCOL OPTIONS *		
No AMI Outputs	-	
Sensus Protocol (6ft cable, Nicor Connector hardwired only)	SEN	
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR6	
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR9	
HAZARDOUS LOCATION		
Class I, Division 2, Groups A-D, T5	HL	

* Smart Output protocol options require selection of converter output option 7, 8, or 9.



FPI Mag Flow Meter with ProComm Converter

FLOW METER SPECIFICATIONS

The full pipe averaging flow meter comes complete with Mounting Hardware, AC Converter with Dual 4-20mA output, 25 Feet of Dual Submersible Cables with quick connects at sensor, Stainless Steel Body, 316 Stainless Steel Electrodes, NSF Approved Fusion Bonded Epoxy Coating, 2" Stainless Steel Ball Valve (minimum of 1-7/8" port I.D.), 2" x Close Stainless Steel Nipple, 2-Year Warranty.

Measurement

Volumetric flow in filled flow conduits 4" (100 mm) to 138" (3,500 mm) utilizing insertable electromagnetic averaging sensor. Flow indication in English Standard or Metric units.

Flow Measurement

Method	Electromagnetic
Calibrated accuracy for forward and bidirectional sensors	• $\pm 0.5\%$ from 1 f/s to max velocity (on next page), up to $\pm 1\%$ for 0.3 to 1 f/s • $\pm 1\%$ for reverse flow
Linearity	0.3% of Range
Repeatability	0.2% of Reading
Direction measurement	• 395 sensor - Forward flow measurement and reverse flow indication • 394 sensor - bidirectional flow measurement

Materials

Coating	Fusion bonded epoxy (NSF 61 approved) coated 316 stainless steel
Insertion hardware	316 Stainless Steel
Compression seal	Silicone Rubber
Sensor electrodes	316 Stainless Steel

Temperature Range

Operation	-10 to 60°C (14 to 140°F) up to 250 PSI
Storage	-15 to 60°C (5 to 140°F)
	Note regarding storage: During freezing conditions and when meter is not in use, sensor must be removed from pipe and stored in dry conditions.
	NOTE: Damage to the sensor caused by allowing the sensor freeze in the pipe is not covered by the warranty.

Electrical Connections

- Quick Connect
- Compression gland seals

IP Rating

Standard model	• Quick Connect (IP68) • Compression gland seals (IP68)
HL model	• Quick Connect (IP67) • Compression gland seals (IP67)

Sensor Submersibility Depth

With standard quick connect	1.8 m (6 ft.)
With optional strain relief cable	9 m (30 ft.)



FPI Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model

- ISO 9001:2015 certified quality management system
- NSF/ANSI/CAN 61 & NSF/ANSI 372
- Certified by MET to UL 61010-1

HL Model

- ISO 9001:2015 certified quality management system
- NSF/ANSI/CAN 61 & NSF/ANSI 372
- Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04
 - Class I, Division 2, Groups A-D, T5
 - Class I, Zone 2, IIC T5



System Options

- Hastelloy® electrodes
- Additional sensor cable up to 475' (500' max for model 395 and 200' max for model 394)
- Extension to hardware clearance
- Annual verification / calibration
- Sensor insertion tool
- Stainless steel ID tag

Preliminary



FLOW METER PIPE SIZES AND FLOW RANGES

Pipe Size (Nominal)	Pipe ID Range		Flow Ranges (GPM Standard)		Standard Program Defaults ¹	Minimum Clearance Required During Installation ²	Velocity Range ³ (f/s)
	Min Pipe ID	Max Pipe ID	Min (GPM) ¹	Max (GPM) ¹	20mA		
S = Standard (Available in 395 models Pipe Sizes 4" - 24" as shown in table below) C = Custom (Available in all 394 and 395L models Pipe Sizes 4" - 138") Standard Length Hardware and Installation Clearance Dimensions are based on a 4" Maximum Height Coupling and Pipe Schedule Standard							
4"	3.63	4.99	12	1280	600 GPM	51"	0.3 - 32
6"	5.00	6.99	26	2800	1300 GPM	51"	0.3 - 32
8"	7.00	8.99	47	5000	2350 GPM	55"	0.3 - 32
10"	9.00	10.99	80	8000	4000 GPM	55"	0.3 - 32
12"	11.00	12.99	110	11000	5500 GPM	59"	0.3 - 32
14"	13.00	14.99	150	15000	7500 GPM	59"	0.3 - 32
16"	15.00	16.75	190	20000	9500 GPM	59"	0.3 - 32
18"	16.76	18.80	240	26000	12000 GPM	63"	0.3 - 32
20"	18.81	20.99	300	28000	15000 GPM	63"	0.3 - 28
22"	21.00	22.49	400	30000	20000 GPM	67"	0.3 - 25
24"	22.50	25.99	410	33000	20500 GPM	67"	0.3 - 23
30"	26.00	31.99	600	44000	30000 GPM	71.25"	0.3 - 20
36"	32.00	37.99	1000	48000	50 KGPM	77.25"	0.3 - 15
42"	38.00	43.99	1300	56000	65 KGPM	83.25"	0.3 - 13
48"	44.00	49.99	1700	62000	85 KGPM	89.25"	0.3 - 11
54"	50.00	55.99	2200	79000	110 KGPM	95.25"	0.3 - 11
60"	56.00	61.99	2600	97000	130 KGPM	101.25"	0.3 - 11
66"	62.00	67.99	3200	106000	160 KGPM	107.25"	0.3 - 10
72"	68.00	73.99	3800	127000	190 KGPM	113.25"	0.3 - 10
78"-138"	74.00	138.00	Available - Call Factory at 1-800-220-2279				

¹ Default totalizer units measured as KGAL.² Hardware clearance after installation for all sizes is 28".³ Flow temperature range -10° to 60° C (14° to 140° F) up to 250 PSI, max pressure is 250 psi.**! Required Information**

At the time of ordering, please be prepared to provide the following information:

1. Pipe ID and Pipe OD
2. Unit of Measure (US Gallons is Default)
3. Maximum pressure
4. FPI Specification Data Sheet for custom length sensors

Consult factory if any chemicals are in use.



FPI Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER PART NUMBER MATRIX

PC -		-	-	-	-	-
CONVERTER MOUNTING OPTIONS						
Meter Mount	M					
Remote Mount	R					
CONVERTER POWER OPTIONS						
AC Power	A					
DC Power	D					
Battery Power [25ft remote cable max]	B					
Solar Power, Battery Backup [25ft remote cable max]	S					
CONVERTER OUTPUT OPTIONS						
Dual 4-20mA Analog, Dual Digital (Standard)	1					
Modbus + STD (Two 4-20, two Dig)	2					
Hart + STD (Two 4-20, two Dig)	3					
Datalogger/BIV + STD (Two 4-20, two Dig)	4					
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)	5					
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)	6					
AMI Smart Output + STD (Two 4-20, two Dig)	7					
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)	8					
AMI Smart Output + Dig Out + Datalogger (Battery power only)	9					
Digital Out + Datalogger (Standard Battery Power only)	0					
SMART OUTPUT PROTOCOL OPTIONS *						
No AMI Outputs	-					
Sensus Protocol (6ft cable, Nicor Connector hardwired only)	SEN					
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR6					
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR9					
HAZARDOUS LOCATION						
Class I, Division 2, Groups A-D, T5	HL					

* Smart Output protocol options require selection of converter output option 7, 8, or 9.



PROCOMM CONVERTER SPECIFICATIONS

Power Source

AC	100-240 VAC / 45-66 Hz (10 W)	Note: AC or DC must be specified at time of ordering.
DC	10-35 VDC (10 W)	

Standard Outputs

Dual 4-20mA Outputs: Galvanically isolated and fully programmable for zero and full scale (0-21mA rangeability)

Two separate digital programmable outputs: open collector transistor usable for pulse, frequency, or alarm settings.

- | | | |
|--------------------------|-------------------------------------|--|
| • Volumetric Pulse | • Range Indication | • Maximum switching frequency: 1250 Hz |
| • Flow Rate (Frequency) | • Maximum switching voltage: 40 VDC | • Insulation from other secondary circuits: 500V |
| • Hardware Alarm | • Maximum switching current: 100mA | |
| • High/Low Flow Alarms | | |
| • Empty Pipe | | |
| • Directional Indication | | |

Optional Outputs

- | | | |
|----------|--------------------------------|-------------------------|
| • Modbus | • Smart Output™ (Sensus, Itron | • Datalogger |
| • HART | 6, Itron 9) | • Built-in verification |

Galvanic Isolation

All inputs / outputs are galvanically isolated from power supply up to 500 V

Engineering Units

- | | | |
|--------------------|----------------------------|-----------------------|
| • Cubic Meter | • US Gallons | • Imperial Kilogallon |
| • Cubic Centimeter | • Imperial Gallons | • Acre Feet |
| • Milliliter | • Cubic Feet | • Megagallon |
| • Liter | • Kilo Cubic Feet | • Imperial Megagallon |
| • Cubic Decimeter | • Standard Barrel | • Hundred Cubic Feet |
| • Decaliter | • Oil Barrel | • Megaliters |
| • Hectoliter | • US Kilogallon | |
| • Cubic Inches | • Ten Thousands of Gallons | |

Conductivity

Minimum conductivity of 5µS/cm

Electrical Connections

- Connection options**
- Compression gland seals for 0.24" to 0.47" diameter round cable
 - Conduit option: 1/2" NPT threaded connections

Sensor Cable Lengths

Standard	25' McCrometer supplied submersible cable with each remote mount unit.
Optional	Up to 500 feet, or 25 feet max for battery powered.
Quick Connect *	Available in standard cable lengths: 25', 50', 75', 100', 125', 150', 175', 200', and 500'. Custom cable lengths at additional cost.

IP Rating

IP67 Die cast aluminum converter (only when connected using compression gland seals)

* Not available with SPI Mag



FPI Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model

- ISO 9001:2015 certified quality management system
- CE
- Certified by MET to UL 61010-1

HL Model

- ISO 9001:2015 certified quality management system
- CE
- Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04
 - Class I, Division 2, Groups A-D, T5
 - Class I, Zone 2 IIC T5

**IMPORTANT:**

Electrical safety certifications above do not apply to model 282L Single Point Insertion (SPI Mag) Electromagnetic Flow Meter.

System Options

- Hastelloy® electrodes*
- DC power
- Additional sensor cable up to 475' (500' max for FPI Mag)
- Extension to hardware clearance
- Annual verification / calibration
- Sensor insertion tool*
- Stainless steel ID tag

Temperature Range

Operating and storage

-20° to 60° C (-4° to 140° F)

Converter Dimensions

Remote mount*

- Height: 7.3" (18.5 cm)
- Width: 8.5" (21.6 cm)
- Depth: 4.3" (10.9 cm)

Meter mount

- Height: 6.9" (17.5 cm)
- Width: 7.2" (18.25 cm)
- Depth: 6.2" (15.7 cm)

Keypad and Display

Can be used to access and change set-up parameters using six membrane keys and an LCD display

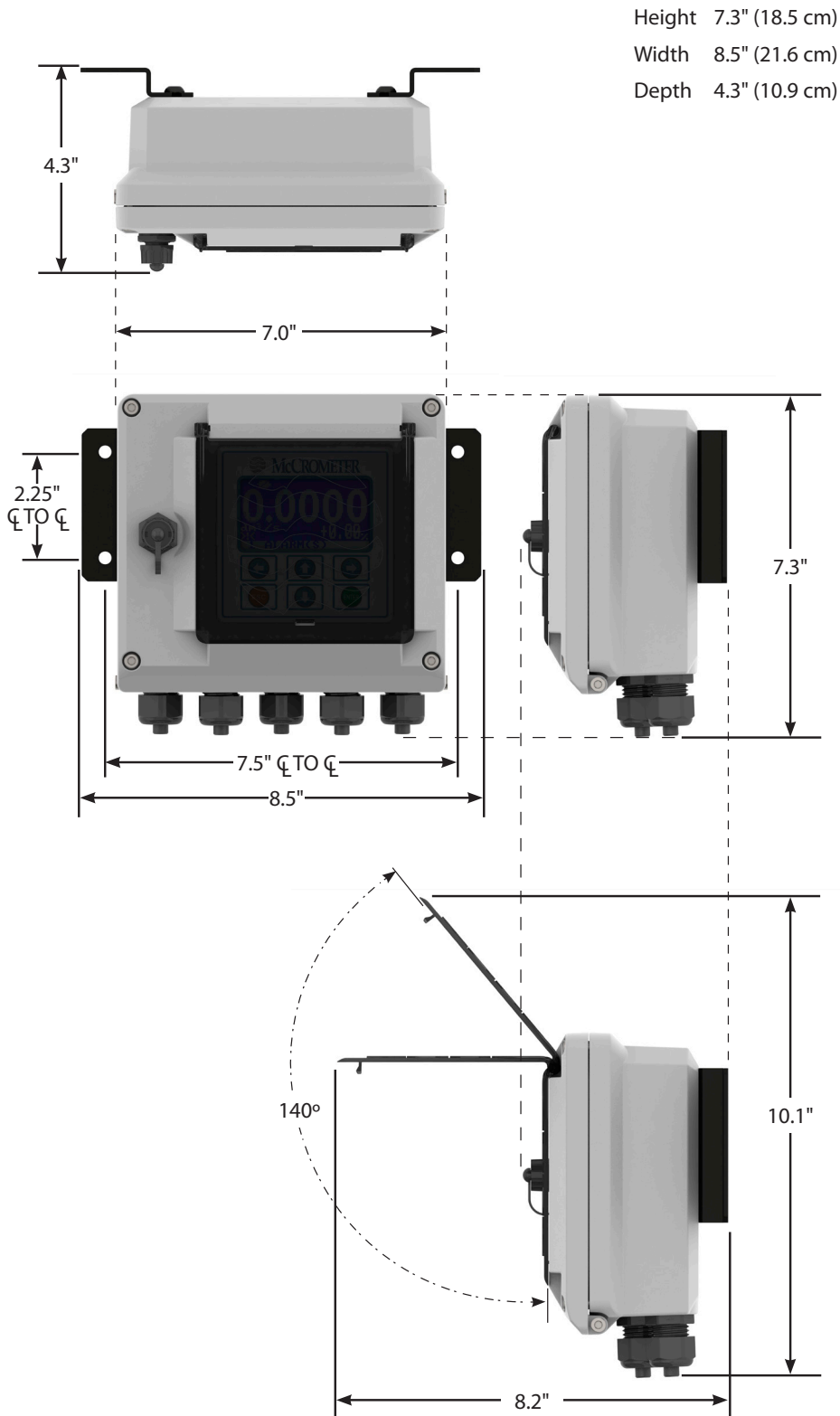
* Not available with SPI Mag

Note regarding cable length: McCrometer recommends minimizing cable length. Electromagnetic flow meters may have unfavorable signal strength to noise ratio in electrically noisy environments. Longer lengths of cable increase the likelihood of interference. In those cases where the meter's signal must be transmitted a long distance, or where the environment may be particularly noisy, we suggest using the converter's analog output(s). That allows locating the converter as close as possible to the metering location.

Specification Sheet

FPI Mag Flow Meter with ProComm Converter

CONVERTER DIMENSIONS



Copyright © 2001-2019 McCrometer, Inc. All printed material should not be changed or altered without permission of McCrometer. Any published pricing, technical data, and instructions are subject to change without notice. Contact your McCrometer representative for current pricing, technical data, and instructions.

3255 WEST STETSON AVENUE • HEMET, CALIFORNIA 92545 USA
TEL: 951-652-6811 • 800-220-2279 • FAX: 951-652-3078
www.mccrometer.com



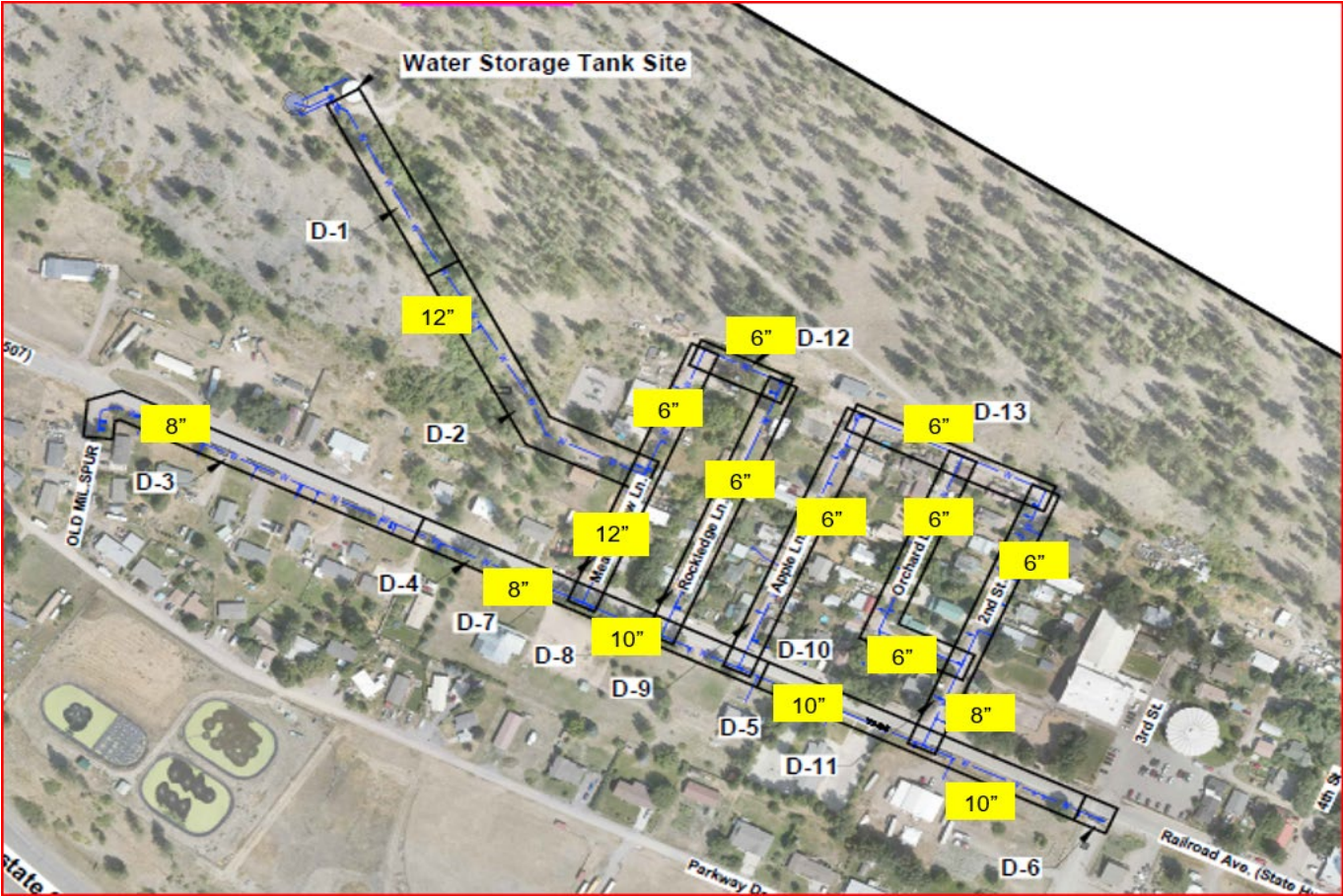
Question 34

Alberton, MT
Water Model
7/26/2024

Label	MAX DAY DEMAND					
	Pump 1 and 2 Running		Pump 1 Running, Pump 2 Off		Both Pumps Off, System Pressure Based on Tank Full Level	
	Fire Flow (Available) (gpm)	Pressure (Calculated Residual) (psi)	Fire Flow (Available) (gpm)	Pressure (Calculated Residual) (psi)	Fire Flow (Available) (gpm)	Pressure (Calculated Residual) (psi)
H-1	1,725	42	1,518	43	1,463	43
H-2	2,773	47	2,271	47	2,148	47
H-3	3,812	39	2,762	45	2,582	46
H-4	5,000	62	4,353	50	4,127	50
H-5	2,474	20	2,232	20	2,184	20
H-6	2,417	20	2,248	20	2,168	20
H-7	2,246	20	2,157	20	2,046	20
H-8	1,907	20	1,897	20	1,769	20
H-9	2,343	20	2,338	20	2,123	20
H-10	1,237	43	1,126	43	1,095	44
H-11	1,044	42	955	43	930	43
H-12	1,026	20	919	20	907	20
H-13	1,127	30	1,021	32	994	33
H-14	1,127	21	1,021	27	994	29
H-15	1,122	32	1,017	33	990	34
H-16	4,831	33	3,350	42	3,156	43
H-17	5,000	50	4,651	35	4,414	36
H-18	1,127	26	1,021	31	994	32
H-19	3,809	20	3,202	20	3,144	20
H-20	3,434	20	2,822	20	2,768	20
H-21	3,353	20	2,709	20	2,637	20
H-22	3,430	20	2,873	20	2,788	20
H-23	3,149	20	2,659	20	2,587	20
H-24	4,062	21	3,046	21	2,958	21
H-25	2,096	20	1,889	20	1,838	20
H-26	1,814	20	1,668	20	1,629	20
H-27	2,831	27	2,409	29	2,322	29
H-28	4,127	43	2,884	48	2,700	49
H-29	1,120	20	1,017	23	990	24

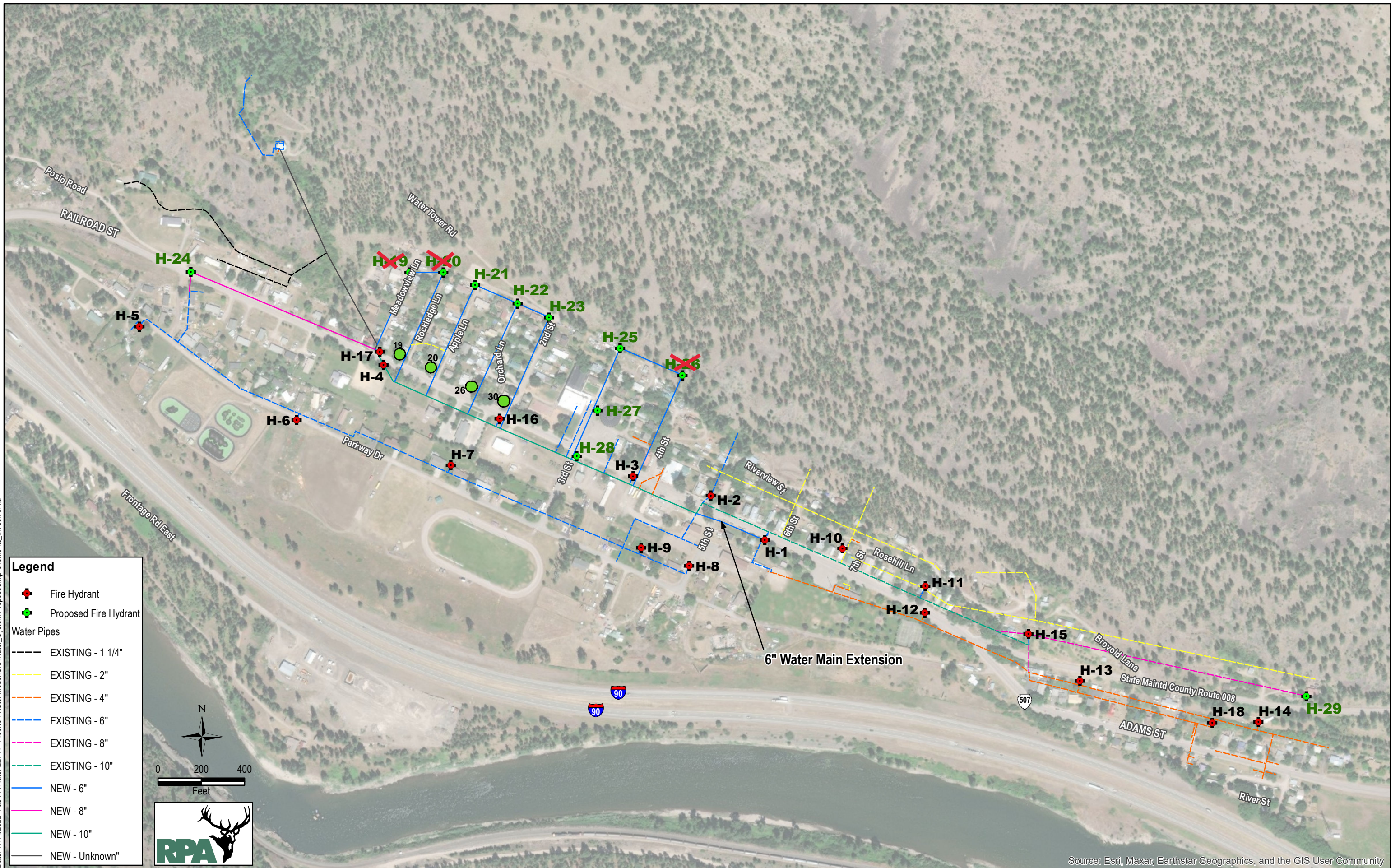
The following pipe sizes and types were used for modeling fire flow.

Nominal pipe size (inches)	Interior Diameter (inches)	
	C900 PVC	DR13.5 HDPE
6	6.08	5.584
8	7.97	7.27
10	9.78	9.062
12	11.63	10.749



Hydrant Label	Available Fire Flow (gpm)
H-1	1,736
H-2	2,714
H-3	3,703
H-4	5,000
H-5	2,469
H-6	2,410
H-7	2,238
H-8	1,899
H-9	2,330
H-10	1,258
H-11	1,072
H-12	962
H-13	1,154
H-14	1,148
H-15	1,148
H-16	4,728
H-17	5,000
H-18	1,154
H-19	3,794
H-20	3,420
H-21	3,517
H-22	3,826
H-23	3,526
H-24	4,045
H-25	2,083
H-26	1,805
H-27	2,803
H-28	4,018
H-29	1,148

existing hydrant
new hydrant



From: [Dalglish, Alex](#)
To: [Pat Thomson](#); [Christina Eggensperger](#)
Subject: RE: Alberton
Date: Friday, March 27, 2026 4:44:00 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)

Pat,

Sounds good, thank you for clarifying.



Alex Dalglish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C
DESK: 406-542-5886 **EMAIL:** alexander.dalglish@mt.gov
[Website](#) | [Facebook](#) | [X \(Twitter\)](#) | [Instagram](#)
How did we do? Let us know here: [Feedback Survey](#)

From: Pat Thomson <pthomson@waterenvtech.com>
Sent: Friday, March 27, 2026 2:30 PM
To: Dalglish, Alex <Alexander.Dalglish@mt.gov>; Christina Eggensperger <ceggensperger@waterenvtech.com>
Subject: [EXTERNAL] RE: Alberton

Alex,

Yes, the permit is for municipal use and irrigation is not being requested. I apologize for the inquiry, as it originated from a review note, as opposed to the specifics of Question 22.

Thanks for your response and we'll be sure to include the PWS approval.

Pat

From: Dalglish, Alex <Alexander.Dalglish@mt.gov>
Sent: Friday, March 27, 2026 2:17 PM
To: Christina Eggensperger <ceggensperger@waterenvtech.com>

Cc: Pat Thomson <pthomson@waterenvtech.com>

Subject: RE: Alberton

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Hi Christina,

This proposed permit if for municipal use and for Question 22, I was seeking to have the Government Lots included in the place of use legal land description.

I am confused since this permit does not propose to use any water for lawn and garden irrigation. Does the spring provide water for lawn and garden/irrigation purposes?

Also, Application question 43 asks if the proposed project is subject to DEQ requirements for a public water supply (PWS) system or Certificate of Subdivision Approval (COSA). I did not address this in the deficiency letter, but because this is a PWS, can you please provide a copy of the existing (PWS) approval from DEQ?

Thanks,



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov

[Website](#) | [Facebook \[facebook.com\]](https://facebook.com) | [X \(Twitter \[twitter.com\]\)](https://twitter.com) | [Instagram \[instagram.com\]](https://instagram.com)

How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](https://forms.office.com)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>

Sent: Friday, March 27, 2026 1:42 PM

To: Dagleish, Alex <Alexander.Dagleish@mt.gov>

Cc: Pat Thomson <pthomson@waterenvtech.com>

Subject: [EXTERNAL] Alberton

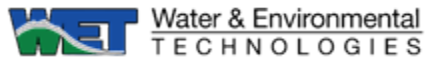
Hi Alex,

We are close to submittal of the amended Form 600 but want to clarify on Question 22. Would you like irrigated acres added for Question 22? This is not specified in the original

water right but we could do a rough estimate on GIS.

Thank you!

Christina



Christina Eggensperger, P.E., MS

Project Engineer / Grant Administrator

C: (406) 531-9486

waterenvtech.com

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

[Book time with Christina Eggensperger \[outlook.office.com\]](#)



[\[facebook.com\]](#)



[\[instagram.com\]](#)



[\[twitter.com\]](#)



[\[youtube.com\]](#)



[\[linkedin.com\]](#)



Missoula Water Resources Regional Office
PO Box 5004
2705 Spurgin Road, Bldg. C
Missoula, MT 59806-5004
(406) 721-4284

January 30, 2026

Town of Alberton
PO Box 115
Alberton, MT 59820

Subject: Deficiency letter for Beneficial Water Use Permit Application No. 76M 30165209

Dear Applicant,

The Department of Natural Resources and Conservation (DNRC or Department) has begun reviewing your application. This letter is to notify you of the deficiencies in your application as required in ARM 36.12.1501(1) and §85-2-302(5)(b), MCA. An Applicant is required to submit substantial and credible information addressing the rules and statutes that are relative to your application. You must provide the information specified below for your application to be considered correct and complete. "Correct and complete" means all of the information provided is substantial and credible and provides all of the information as required by applicable rules and statutes. The application as submitted contains deficiencies in the following section(s):

- ☐ **Question 18: Fill out the table below. Means of diversion for surface water includes headgate, pump, dam and others. Means of diversion for groundwater includes well, developed spring, pit pond, and others.**

The Permit Application lists a requested a volume of 80.86 AF. This contradicts the preapplication materials, where only an additional flow rate of 20 GPM was proposed.



Specifically, Question 9 on Form No. 600P stated that *“this proposed permit will be utilized to increase flow rate diverted from the spring. No additional volume will be required. Volume under 76M 45355 00 is sufficient for the town’s needs”*. Please confirm that this Application is not requesting any additional volume (as later stated in Question 26 on the Application Form).

- ☐ **Question 20: Describe the proposed location of the point(s) of diversion to the nearest ¼ ¼ ¼ Section.**

The developed spring point of diversion is in Government Lot 1. Please include this information in the Table for Question 20.

- ☐ **Question 22: Describe the legal land description for the proposed place of use and , if applying for irrigation or lawn and garden, list the number of irrigated acres.**

While the map included with the Application shows the proposed place of use, please fill out the table provided on the Application Form. Take note that the place of use legal land descriptions include Government Lots, and that these lot numbers are not described on existing Statement of Claim 76M 45355 00.

- ☐ **Question 23.a: If yes, summarize how the supplemental and proposed water rights will be operated as a whole to serve the purpose(s).**

In the preapplication Form 600P, you identify water rights 76M 45355 00 and 76M 13904 00 as supplemental or overlapping with the proposed place of use. Please describe all overlapping/supplemental water rights and elaborate how the proposed use under this Application will be used in conjunction with the right(s).

- ☐ **Question 24: For each supplemental or overlapping water right, please list the water right number, typical period of diversion and use (MM/DD-MM/DD), flow rate (GPM or CFS), and volume of water (AF) contributed to the shared place of use.**

In addition to right 76M 13904 00 listed on the Application, the Town of Alberton also owns overlapping water right 76M 45355 00 from the developed spring. Please list all overlapping water rights in the table.

- ☐ **Questions 30/30.a: Do other water rights share any of the proposed points of diversion/ If yes, describe how the proposed project will not adversely affect these water rights.**

The answer to Question 30 was “no”, but water right 76M 45355 00 also lists the same point of diversion legal land description (Govt. Lot 1, NWNENE Sec. 3, Twp. 14N, Rge. 23W) and the same spring source as the Application. The answer to Question 30 is inconsistent with information provided on Form 600P. It appears the answer to Question 30 is believed to be “yes”. Please complete Question 30.a and describe how the proposed project will not adversely affect the water rights sharing the spring diversion.



- ☐ ***Questions 31/31.a: Do other water rights share any conveyance infrastructure associated with the proposed project/ If yes, describe how the proposed project will not adversely affect these water rights.***

The answer to Question 31 was marked “no”. However, this is contradictory to Question 9 in the preapplication materials (Form 600P) where it was stated that existing Statement of Claim 76M 45355 00 is supplemental or overlapping to the proposed use. Additionally, Question 9 on the Preapplication Form 600P stated the proposed Application will use the same water distribution and wastewater treatment as Statement of Claim 76M 45355 00. The answer to Question 31 is inconsistent with the information provided on Form 600P. Since the answer to Question 31 appears to be “yes”, please complete Question 31.a and describe how the proposed project will not adversely affect the water rights sharing the conveyance infrastructure.

- ☐ ***Question 34: Describe the size, material, capacity, and configuration of infrastructure to convey water from all proposed points of diversion to all proposed places of use. This may include but is not limited to, pipelines and ditches. Include a description of any losses related to the proposed conveyance. Ditch conveyance losses may be estimated numerous ways, which include a ditch loss rate or Department standard methods.***

Please provide/explain the capacity of the municipal water storage tank as well as the capacity of the Towns water conveyance infrastructure.

- ☐ ***Question 35: Describe how the proposed diversion and conveyance infrastructure can provide the required flow and volume, for the purposes plus any conveyance losses and storage, throughout the proposed period of diversion.***

The Department needs to understand if the infrastructure can convey the additional water requested under this Application. Please explain how the municipal water distribution lines, hydrants, etc. can convey and accommodate the proposed flow rate.

- ☐ ***Question 36: Provide a plan of operations, which includes specific information about how water is delivered within the place of use. This may include, where applicable, the range of flow rates needed for a pivot.***

Further information is needed as to how water is delivered within the place of use. Please explain how water conveyed throughout the place of use, including mainlines, lateral lines, fire hydrants, etc.

- ☐ ***Questions 39/39a: Will your system be designed to discharge water from the project?***

The answer to Question 39 was “no”. However, it is understood that municipal uses generate wastewater. Therefore, the answer to Question 39 is believed to be “yes”. For Question 39.a., please explain the municipal wastewater disposal method (i.e. individual drain fields, a central treatment facility, etc.).



- ❑ ***Questions 42/42.a/42.b: Does the Department have a volume, period of diversion, or period of use standard for the purposes for which water is proposed? Department standards can be found in the DNRC Water Calculation Guide, ARM 36.12.112, and ARM 36.12.115/ If yes, do all proposed beneficial uses fall within Department standards?/ if no, Department standard exists, of if any proposed beneficial use falls outside of Department standards, explain how the requested flow rate and volume are reasonable for the purpose.***

The answer to Question 42 was “yes”. However, the Department does not have a standard for municipal use listed on the Water Calculation Guide, ARM 36.12.112 or ARM 36.12.115.. Therefore, the answer to Question 42.a is believed to be “no”. For Question 42.a., the proposed beneficial use for municipal purposes does not fall within Department standards and the answer is also understood to be “no”. For Question 42.b., please explain how the requested flow rate and volume are reasonable for the purpose.

As stated above, the information submitted to address the rules and statutes listed in this deficiency letter must be substantial credible information to be acceptable at the correct and complete determination. §§85-2-102 (9) and (26), MCA.

Please submit the information specified above to the Missoula Regional Office by May 30, 2026. This is the only deficiency letter that will be sent. An application not corrected or completed within 120 days from the date of this letter is terminated per ARM 36.12.1501(2) and §85-2-302(6)(a), MCA.

Please let me know if you have any questions.

Best,



Alex Dalglish

Water Resource Specialist II

Missoula Regional Office

(406)-542-5886

Alexander.dalglish@mt.gov

CC:

Water and Environmental Technologies



c/o Christina Eggensperger
480 E Park St.
Butte, MT 59701-1923

IMPORTANT NOTICE: This will be the final opportunity for you to provide the required information to the Department. If all of the requested information in this letter is not postmarked or submitted within 120 days of this letter, the application will be terminated within 30 days and the application fee will not be refunded.



Application Materials

- Application
- Any information submitted with Application including maps

Application Materials

Effective October 1, the transaction fee will be changing from 1.5% with a \$20 maximum to 5% with a \$.50 minimum and a \$10 maximum.

Montana Department of Natural Resources and Conservation



Receipt

01/21/26 12:42 PM MST

WR# : 76M 30165209

Payment Type : Credit/Debit Card

Transaction Id : 11615002581

Description	Price	Quantity	Amount
Water-Filing Fees (All Forms)	\$700.00	1	\$700.00
Surcharge *			\$27.50
TOTAL			\$727.50

Billing Information

Nancy Tome
PO Box 115
Alberton , MT 59820
406-722-3404
townofalberton@blackfoot.net

* When making a payment, please be aware of the following fees:

1. **Online Payment Fee** – A 5% fee is applied to all online payments (credit card or ACH). This fee helps cover the cost of maintaining the state's online payment system.
 - Minimum charge: \$0.50
 - Maximum charge: \$10.00
2. **Credit Card Processing Fee** – An additional 2.5% fee applies only to credit card payments. This covers fees charged by credit card networks.

💡 Tip: To avoid the extra 2.5% fee, we recommend paying by ACH (bank transfer) when possible.

Thank you for your payment!

Montana Department of Natural Resources and Conservation

From: [Dagleish, Alex](#)
To: townofalberton@blackfoot.net
Cc: [Christina Eggersperger](#); ["Pat Thomson"](#)
Subject: RE: Virtual Payment
Date: Wednesday, January 21, 2026 1:13:00 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)
[Application 76M 30165209 Fee Receipt.pdf](#)

Nancy,

Attached is the Town of Alberton's receipt for Application No. 76M 30165209.

Thank you,



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C
DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov
[Website](#) | [Facebook](#) | [X \(Twitter\)](#) | [Instagram](#)
How did we do? Let us know here: [Feedback Survey](#)

From: Dagleish, Alex
Sent: Wednesday, January 21, 2026 11:52 AM
To: 'Christina Eggersperger' <ceggersperger@waterenvtech.com>
Cc: Nancy Tome <townofalberton@blackfoot.net>; Pat Thomson <pthomson@waterenvtech.com>
Subject: RE: Virtual Payment

Christina,

Currently, we do not have an online portal where applicants can pay fees. Nancy can call me (406-542-5886) and I can process they payment.



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C
DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov
[Website](#) | [Facebook](#) | [X \(Twitter\)](#) | [Instagram](#)
How did we do? Let us know here: [Feedback Survey](#)

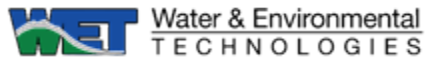
From: Christina Eggensperger <ceggensperger@waterenvtech.com>
Sent: Tuesday, January 20, 2026 2:13 PM
To: Dalglish, Alex <Alexander.Dalglish@mt.gov>
Cc: Nancy Tome <townofalberton@blackfoot.net>; Pat Thomson <pthomson@waterenvtech.com>
Subject: [EXTERNAL] Virtual Payment

Hi Alex,

Is it still possible to pay online or over the phone? Nancy (from Town of Alberton) is interested in paying the submittal fee online – would you be able to point her in the direction of the payment portal?

I have CC'd her on this email. Thank you!!

Christina



Christina Eggensperger, P.E., MS

Project Engineer / Grant Administrator

C: (406) 531-9486

waterenvtech.com

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

[Book time with Christina Eggensperger \[outlook.office.com\]](#)



[\[facebook.com\]](https://www.facebook.com)



[\[instagram.com\]](https://www.instagram.com)



[\[twitter.com\]](https://www.twitter.com)



[\[youtube.com\]](https://www.youtube.com)



[\[linkedin.com\]](https://www.linkedin.com)



**APPLICATION FOR
BENEFICIAL WATER USE
PERMIT**

§ 85-2-302, MCA

Form No. 600 (10/2025)

For Department Use Only

RECEIVED

JAN 21 2023

MONTANA D.N.R.C
MISSOULA REGIONAL OFFICE

FILING FEE

**\$2900/\$1600 – Inside a Basin Closure Area, Controlled
Groundwater Area or Compact Closure; without/with
filing fee reduction.**

**\$2500/\$1200 – Outside a Basin Closure Area; Controlled
Groundwater Area or Compact Closure; without/with
filing fee reduction.**

INFORMATION

An application will be eligible for a filing fee reduction and expedited timelines if the applicant completes a preapplication meeting with the Department (ARM 36.12.1302(1)), which includes submitting any follow-up information identified by the Department (ARM 36.12.1302(3)(c)) and receiving either Department-completed technical analyses or Department review of applicant-submitted technical analyses (ARM 36.12.1302(4) and (5)). An application for the proposed project also must be submitted within 180 days of delivery of Department technical analyses or scientific credibility review and no element on the submitted application can be changed from the completed preapplication meeting form (ARM 36.12.1302(6)). If application is eligible for a filing fee reduction, \$500 paid for Form 600P-B will be credited toward filing fees shown above.

Application # 30165209 Basin 76M
Priority Date _____ Time _____ AM/PM
Rec'd By AD
Fee Rec'd \$ 700.00 Check # TRAN 11615002581
Deposit Receipt # 11615002581 (Transaction ID)
Payor Town of Alberton
Refund \$ _____ Date _____

Applicant Information: Add more as necessary.

Applicant Name Town of Alberton

Mailing Address PO Box 115 City Alberton State MT Zip 59820

Phone Numbers: Home _____ Work 406-722-3404 Cell _____

Email Address albertoncouncild2@gmail.com

Applicant Name _____

Mailing Address _____ City _____ State _____ Zip _____

Phone Numbers: Home _____ Work _____ Cell _____

Email Address _____

Applicant Name _____

Mailing Address _____ City _____ State _____ Zip _____

Phone Numbers: Home _____ Work _____ Cell _____

Email Address _____

Contact/Representative Information: Add more as necessary.

Contact/Representative is: ☐ Applicant ☒ Consultant ☐ Attorney ☐ Other

Contact/Representative Name Christina Eggensperger, Pat Thomson

Mailing Address 480 East Park St City Butte State MT Zip 59701

Phone Numbers: Home _____ Work 406-782-5220 Cell 406-531-9486

Email Address ceggensperger@waterenvtech.com

NOTE: If a contact person is identified as an attorney, all communication will be sent only to the attorney unless the attorney provides written instruction to the contrary (ARM 36.12.122(2)). If a contact person is identified as a consultant, employee, or lessee, the individual filing the water right form or objection form will receive all correspondences, and a copy may be sent to the contact person (ARM 36.12.122(3)).



Answer every question and applicable follow-up questions. Use the checkboxes to denote yes ("Y"), no ("N"), or not applicable ("NA"). Questions that require items to be submitted to the Department have a submitted ("S") checkbox, which is marked when the required item is attached to the Application. Label all submitted items with the question number for which they were submitted. Narrative responses that are larger than the space provided can be answered in an attachment. If an attachment is used, specify "see attachment" on this form, and label the attachment with the question number. Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Responses in the form of a table may be entered into the table provided on this form or in an attachment. If an attachment is used, the table must have the exact headings found on this form, and "see attachment" must be entered as a response to the relevant question. Clearly label all units in tables and narrative responses.

PREAPPLICATION AND TECHNICAL ANALYSES INFORMATION

1. ☒ **Y** ☐ **N** Do you elect for Department technical analyses to be used for criteria assessment?

2. ☒ **Y** ☐ **N** Did you have a preapplication meeting AND complete a Permit Preapplication Meeting Form Part A and Part B (Form 600P-A and 600P-B)?

IF QUESTION 2 IS NO, answer 2.a and 2.b:

2.a. ☐ **S** Submit the Technical Analyses Addendum (Form 600-TAA).

2.b. ☐ **S** ☐ **NA** Submit the technical analyses, if you elected in question 1 for Applicant technical analyses to be used for criteria assessment. Select "NA" if you elected for Departmental technical analyses.

IF QUESTION 2 IS YES, answer 2.c, 2.d, and 2.e:

2.c. ☐ **Y** ☒ **N** Has any element of the project described in this application changed from the mandatory elements of the project described in the completed form 600P? **If yes:**

2.c.i. Please explain.

2.c.ii. ☐ **S** Submit the Technical Analyses Addendum (Form 600-TAA).

2.d. ☒ **Y** ☐ **N** Are the technical analyses to be used for criteria assessment exactly the same as those completed during the preapplication process? **If no:**

2.d.i. Please explain.

2.d.ii. ☐ **S** Submit the Technical Analyses Addendum (Form 600-TAA).

2.e. ☒ **Y** ☐ **N** Did you elect in Question 1 for Department technical analyses to be used for criteria assessment? **If no:**

2.e.i. ☐ **S** Submit the technical analyses.



APPLICATION ADDENDA AND REVIEW

3. ☐ **S** ☒ **NA** If your application is for groundwater, not surface water, and one or more of your points of diversion are in a Basin Closure Area, then submit the Basin Closure Area Addendum (Form 600-BCA).
4. ☐ **S** ☒ **NA** If your application is for groundwater and one or more points of diversion are in a Basin Closure Area, then your project must have a Hydrogeologic Report that conforms with MCA 85-2-361 to comply with the requirements of § 85-2-360, MCA. A Hydrogeologic Report Addendum (Form 600-HRA) or Department Technical Analyses may be used to meet these requirements. Please mark the box below that best applies, then select "S" if submitting a Hydrogeologic Report or "NA" if one is not required. This question does not apply to surface water points of diversion in a Basin Closure Area.
- ☐ If you elected to conduct Technical Analyses, you must submit the Hydrogeologic Report Addendum (Form 600-HRA).
 - ☐ If you elected for DNRC to conduct Technical Analyses but did not have a preapplication meeting AND complete a Form 600P Permit Preapplication Meeting Form (or changes have occurred since the completed Form 600P), you must submit the Hydrogeologic Report Addendum (Form 600-HRA).
 - ☐ If you elected for DNRC to conduct Technical Analyses, had a preapplication meeting, completed a Form 600P, and the Technical Analyses remain unchanged since the preapplication meeting, you do not need to submit Form 600-HRA because the Department's Technical Analyses meet the report requirements of § 85-2-360 and § 85-2-361, MCA.
5. ☐ **S** ☒ **NA** If the project is for one or more groundwater points of diversion located in a Controlled Groundwater Area, then submit the Controlled Groundwater Area Addendum (Form 600-CGWA).
6. ☐ **S** ☒ **NA** If the project involves an appropriation that is greater than 5.5 CFS and 4,000 acre-feet, then submit a Criteria Addendum Application for Beneficial Water Use Permit for Appropriations Greater than 5.5 CFS and 4,000 AC-FT (Form 600-B).
7. ☐ **S** ☒ **NA** If the project involves out-of-state water use, then submit the Out-of-State Use Addendum (Form 600/606-OSA).
8. ☐ **S** ☒ **NA** If you require mitigation water to meet the criteria of issuance, then submit a Mitigation Purpose Addendum (Form 600/606-MIT).
9. ☐ **S** ☒ **NA** If the proposed purposes include marketing or selling water, (not marketing for mitigation/aquifer recharge), then submit the Marketing Purpose Addendum (Form 600/606-WMA).
10. ☐ **S** ☒ **NA** If the project involves one or more places of storage, then submit a Permit Storage Addendum (Form 600-SA). This does not include reservoirs, pits, pit-dams, or ponds with a capacity less than 0.1 AF; water tanks; or cisterns (ARM 36.12.113(6)).
11. ☐ **S** ☒ **NA** If the project is in designated sage grouse habitat, then submit a review letter from the Montana Sage Grouse Habitat Conservation Program.
12. ☐ **S** ☒ **NA** If the project includes a point of diversion and/or place of use on State of Montana Trust Land, submit documentation of consent from the DNRC Trust Lands Management Division.
13. ☐ **S** ☒ **NA** You must provide a written notice of the application to each owner of an appropriation right sharing a point of diversion or means of conveyance (e.g., canal, ditch, flume, pipeline, or constructed waterway) pursuant to §85-2-302(4)(c), MCA. Submit a copy of this notice and the recipient list.

PURPOSE AND DIVERSION INFORMATION

14. ☐ Y ☒ N Is the proposed use temporary?

14.a. If yes, when will the appropriation cease? _____

15. Is the proposed source surface water or groundwater? groundwater

16. What is the source name? Spring, unnamed tributary of the Clark Fork River

17. ☒ S Attach a map utilizing an aerial photograph or topographic map that shows the following: section corners; township and range; north arrow; scale bar; all proposed points of diversion labeled with a unique Point of Diversion (POD) ID number and, if applicable, GWIC number; all proposed places of use; all proposed conveyance facilities and or routes; all proposed places of storage labeled with a unique Storage ID number; and places of use (POU) for all overlapping water rights. More than one map may be submitted, if necessary to clearly convey all required information.

18. Fill out the table below. Means of diversion for surface water includes headgate, pump, dam, and others. Means of diversion for groundwater includes well, developed spring, pit pond, and others.

Purpose	Means of Diversion	Acres Irrigated (if appl.)	Period of Diversion (Month/Day - Month/Day)	Period of Use (Month/Day - Month/Day)	Flow Rate ☒ GPM ☐ CFS	Volume (Acre-Feet)
Municipal	Developed Spring		01/01-12/31	01/01-12/31	20	80.86
Total Flow Rate and Volume Required					20	80.86

19. ☐ Y ☒ N Does the proposed use include on or more of the following purposes: domestic, multiple domestic, stock, or irrigation? If yes, fill out the table below, where applicable.

Purpose	Requested Information	Response
Domestic or multiple domestic	Number of households and bedrooms served per household	
Stock	Number of animal units	
Irrigation	Method of irrigation type (sprinkler or flood) and subtype (if flood: level border, graded border, furrow, contour ditch, or other; if sprinkler: center pivot, wheel line, or other)	
Irrigation (flood only)	Design slope	

POINT(S) OF DIVERSION

20. Describe the proposed location of the point(s) diversion to the nearest $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ Section. Label each POD with the POD ID number used for the project map (question 17).

POD #	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	Sec.	Twp.	Rge.	County	Lot	Block	Tract	Subdivision	Gov. Lot
1	NW	NE	NE	3	14N	23W	Mineral					1

PLACE OF USE

21. What are the geocodes of the place of use?

	See Figure 1_Water Use	
	attached for Question 17.	

22. Describe the legal land description for the proposed place of use and, if applying for an irrigation or lawn and garden purpose, list the number of irrigated acres.

Acres	Gov. Lot	Block	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	Sec.	Twp.	Rge.	County

SUPPLEMENTAL AND OVERLAPPING WATER RIGHTS

23. ☒ Y ☐ N Will other water rights supplement or overlap the place of use to contribute to the purpose(s)?

23.a. If yes, summarize how the supplemental and proposed water rights will be operated as a whole to serve the purpose(s).

Proposed WR 76M 30165209 combined with WR 76M 45355-0 justifies the full historically diverted flow rate from the developed spring source that provides the base supply for municipal use throughout the year. Existing groundwater well (WR 76M 13904-00) operates as a supplemental source and is used during high demand summer irrigation season. The supplemental well is operated in conjunction with the spring WR to provide Alberton adequate and reliable municipal supply during periods of peak demand.

24. For each supplemental or overlapping water right, please list the water right number, typical period of diversion and use (MM/DD-MM/DD), flow rate (GPM or CFS), and the volume of water (AF) contributed to the shared place of use.

Water Right #	Average Period of Diversion	Average Period of Use	Flow Rate	Volume Contributed
76M 13904-00	01/01-12/31	06/01-09/30	120 gpm	161 Ac-ft.
76M 45355-00	01/01-12/31	01/01-12/31	50 gpm	80.86 Ac-ft.

25. ☐ Y ☒ N Will this application supplement contract water from a Federal Project, ditch company, or other source?

25.a. If yes, explain.

ADVERSE EFFECT

26. Explain how you can control your diversion in response to a call being made.

The technical analysis did not identify any adverse effect as this application is not requesting any additional volume for consumption. If a call is made, the city may close the altitude valve and the entirety of flow from the spring would move down the drainage. A scheduled closure of this valve could limit the flow rate to an average of 50 gpm.

27. Describe any plans you have for ensuring existing water rights will be satisfied during times of water shortage.

The requested increase in flow rate more accurately represents the actual flow diverted.

During times of water shortage, the town will continue to operate within the limits of the authorized flow rate, volume and period of use, and will comply with all administrative calls and priority enforcement made. If a call is made by a senior water right holder, diversions will be curtailed as described in Question 26.

28. ☐ Y ☒ N Are you aware of any calls that have been made on the source of supply or, if groundwater, on nearby surface water sources?

28.a. If yes, explain.

29. ☐ Y ☒ N Does a water commissioner distribute water or oversee water distribution on your proposed source?

29.a. If yes, list the source(s).

30. ☒ Y ☐ N Do other water rights share any of the proposed points of diversion?

30.a. If yes, describe how the proposed project will not adversely affect these water rights.

The proposed water right and the existing 76M 45355 have the same source and point of diversion. The proposed water right combined with 76M 45355 represents and justifies the total historically diverted flow. As the sum of the proposed water right and 76M 45355 have always been diverted and utilized, there will not be any adverse affect to these or any other water rights.

31. ☒ Y ☐ N Do other water rights share any conveyance infrastructure associated with the proposed project?

31.a. If yes, describe how the proposed project will not adversely affect these water rights.

The proposed water right and the existing 76M 45355 have the same source and point of diversion. The proposed water right combined with 76M 45355 represents and justifies the total historically diverted flow. As the sum of the proposed water right and 76M 45355 have always been diverted and utilized, there will not be any adverse affect to these or any other water rights.

ADEQUATE MEANS OF DIVERSION AND OPERATION

32. ☒ **S** Submit a diagram of how you will operate your system from all proposed points of diversion to all proposed places of use.

33. Describe specific information about the capacity of all proposed diversionary structures. This may include, where applicable: pump curves and total dynamic head calculations, headgate design specifications, and dike or dam height and length.

See Attached Flowmeter information.

34. Describe the size, materials, capacity, and configuration of infrastructure to convey water from all proposed points of diversion to all proposed places of use. This may include but is not limited to, pipelines and ditches. Include a description of any losses related to the proposed conveyance. Ditch conveyance losses may be estimated numerous ways, which include a ditch loss rate or Department standard methods.

Water is conveyed through a municipal distribution system. Maps depicting the system components, and tables presenting flows and pressures are attached. The distribution system has historically utilized the combined appropriations of the proposed water right and the existing water rights. Replacement of aged and undersized lines took place in 2024 and 2025.

See Attached.

35. Describe how the proposed diversion and conveyance infrastructure can provide the required flow and volume, for the purposes plus any conveyance losses and storage, throughout the proposed period of diversion.

The increase in flow rate is being requested to align with the flow historically used and not an increase in diverted flow. As such, the system usage, such as the flow rates from the water storage tank to city, is remaining unchanged from the cumulative diverted flow historically managed. In addition, recent upgrades to the City distribution system were designed for future growth and have capacity exceeding the combined appropriations (see response to Question 34).

36. Provide a plan of operations, which includes specific information about how water is delivered within the place of use. This may include, where applicable, the range of flow rates needed for a pivot.
Please see response to Question 34 providing information related to the water distribution system attached to this response.

37. ☐ Y ☒ N Does the proposed conveyance require easements?
37.a. If yes, explain.

38. ☒ Y ☐ N Do you own the land where all proposed points of diversion are located?

38.a. ☐ S If no, submit documentation to show you have the right to use all points of diversion located on each property you do not own. This may include, but is not limited to, a well agreement, an easement, or permission of the party that owns the property where the proposed point(s) of diversion are located.

39. ☒ Y ☐ N Will your system be designed to discharge water from the project?

IF YES,

39.a. Explain the wastewater disposal method.

The Town of Alberton operates a three-cell aerated lagoon cell system with a design flow of 0.054 million gallons per day, without effluent disinfection. The Town is authorized to discharge into the Clark Fork River (with effluent limitations) via permit #MT0021555.

39.b. ☐ Y ☐ N ☒ NA Have the necessary permits been obtained to comply with §§ 75-5-410 and 85-2-364, MCA?

40. ☒ Y ☐ N Do you have any plans to measure your diversion and use?

40.a. If yes, describe the plan and the type of measurements you will take.

Flow is measured every five minutes through an Ultra Mag flow meter. Steady flow rates are recorded when the altitude valve on the tank is open.

41. ☐ Y ☒ N Is the means of diversion for any proposed point of diversion a well?

IF YES,

41.a. ☐ Y ☐ N Have all wells been drilled?

41.b. For all wells that have been drilled, what is the name of the well driller and, if available, what is their license number?

41.c. ☐ Y ☐ N For all wells yet to be drilled, will a licensed well driller construct the wells?

41.d. ☐ S ☐ NA Submit any well logs not yet submitted to the Department.

BENEFICIAL USE

42. ☐ Y ☒ N Does the Department have a volume, period of diversion, or period of use standard for the purposes for which water is proposed? Department standards can be found in the DNRC Water Calculation Guide, ARM 36.12.112, and ARM 36.12.115.

42.a. ☐ Y ☒ N If yes, do all proposed beneficial uses fall within Department standards?

42.b. If no Department standard exists, or if any proposed beneficial use falls outside of Department standards, explain how the requested flow rate and volume are reasonable for the purpose.
The requested flow rate of the proposed appropriation is justifying historical use and represents the difference between the total flow historically diverted versus that claimed by 76M 45355 and which the City of Alberton has utilized within its distribution system. The distribution system was upgraded in 2024 and 2025 with new piping and was sized for future growth. Given the number of residential and commercial users and the requirement of the system to provide fire flows, and the historic use of the cumulative flows, the appropriation is considered reasonable for the purpose.

43. ☒ Y ☐ N Will your proposed project be subject to DEQ requirements for a public water supply (PWS) system or Certificate of Subdivision Approval (COSA)?

44. ☐ Y ☒ N Are you proposing to use surface water for in-house domestic use?

44.a. ☐ Y ☐ N If yes, does a COSA exist for the proposed place of use?

44.a.i. ☐ S ☐ NA If yes, please submit the COSA.

44.a.ii. ☐ Y ☐ N If no, have you researched or consulted with DEQ regarding their requirements?



POSSESSORY INTEREST

- 45.** ☒ **Y** ☐ **N** Do you meet one of the exceptions to possessory interest requirements, pursuant to ARM 36.12.1802? Exceptions include cases where the application is for sale, rental, distribution, or is a municipal use, or in any other context in which water is being supplied to another and it is clear that the ultimate user will not accept the supply without consenting to the use of water on the user's place of use.

45.a. If yes, explain.

- 46.** ☐ **Y** ☐ **N** ☒ **NA** Do you own all proposed places of use? Mark "NA" if you meet one of the exceptions to the possessory interest requirement.

IF NO,

- 46.a.** ☐ **S** Explain and submit documentation that shows you either have possessory interest or written permission of the parties with possessory interest of the place of use.

S

- 46.b.** ☐ **Y** ☒ **N** Would you like the water right to be appurtenant to the land? Please note that if your water right is not appurtenant to land it will not transfer by default with the conveyance of the property, pursuant to § 85-2-403, MCA.

46.b.i. If no, explain.

PROPOSED COMPLETION PERIOD

- 47.** How much time will be needed to complete this project and to submit to the DNRC a Project Completion Notice (Form 617)? 60 days

- 48.** Please describe why this amount of time is needed to complete this project.

This amount of time will allow for correspondence between the City Engineer and other contracted professionals.



AFFIDAVIT & CERTIFICATION

Read carefully before you sign and review with legal counsel if you have any questions. All owners (or trustees) must sign the form. ***If the owner is a business or trust, include the title of the representative(s) signing the form (i.e., president, trustee, managing partner, etc.) and provide documentation that establishes the authority of the representative to sign the application.*

I affirm the information provided for this application is to the best of my knowledge true and correct. If a preapplication meeting form was submitted, I am aware that my application for this project will not qualify for a discounted filing fee and expedited timelines if upon submittal of the application to the Department, I changed any element of the proposed application from the preapplication meeting form and follow-up materials (ARM 36.12.1302(6)(a)).

I affirm I have possessory interest, or the written consent of the person with the possessory interest, in the property where the water is to be put to beneficial use, unless this application meets an exception to the possessory interest requirements in ARM 36.12.1802(1)(b).

I understand that making a false statement under oath or affirmation in this application and official proceedings throughout the examination of my application may subject me to prosecution under § 45-7-202, MCA, a misdemeanor punishable by a jail term not to exceed 6 months or a fine not to exceed \$500, or both. I have read this Affidavit and understand the terms and conditions.

I declare under penalty of perjury and under the laws of the state of Montana that the foregoing is true and correct.

Printed Name Loreen M. Felstet, Mayor

Applicant Signature Loreen M. Felstet Date: 1-6-2026

Printed Name Timothy K. Fox, Councilor

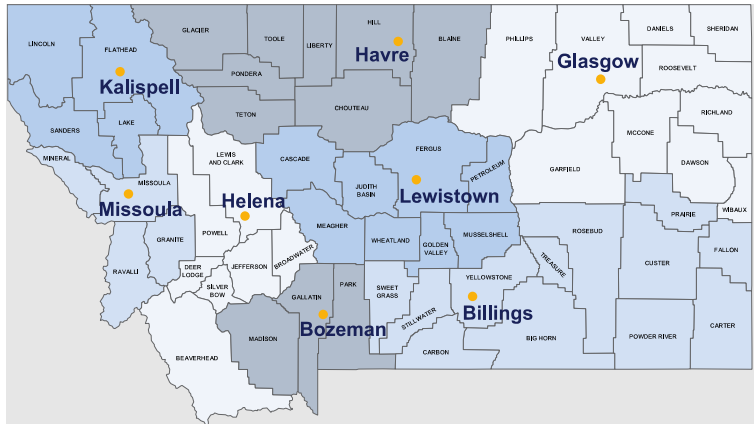
Applicant Signature Tim Fox Date: 1-6-2026

Printed Name Marvin J. Garding

Applicant Signature Marvin J. Garding Date: 1/6/26



WATER RESOURCES REGIONAL OFFICES



BILLINGS

Airport Industrial Park, 1371 Rimtop Dr
Billings, MT 59105-9702

PHONE 406-247-4415 FAX 406-247-4416

EMAIL DNRCBillingsWater@mt.gov

Big Horn, Carbon, Carter, Custer, Fallon, Powder River, Prairie, Rosebud, Stillwater, Sweet Grass, Treasure, and Yellowstone Counties



BOZEMAN

2273 Boot Hill Court, Suite 110
Bozeman, MT 59715-7249

PHONE 406-586-3136 FAX 406-587-9726

EMAIL DNRCBozemanWater@mt.gov

Gallatin, Madison, and Park Counties



GLASGOW

222 6th Street South, PO Box 1269
Glasgow, MT 59230-1269

PHONE 406-228-2561

EMAIL DNRCGlasgowWater@mt.gov

Daniels, Dawson, Garfield, McCone, Phillips, Richland, Roosevelt, Sheridan, Valley, and Wibaux Counties



HAVRE

210 6th Ave., PO Box 1828
Havre, MT 59501-1828

PHONE 406-265-5516

EMAIL DNRCHavreWater@mt.gov

Blaine, Chouteau, Glacier, Hill, Liberty, Pondera, Teton, and Toole Counties



HELENA

1424 9th Ave., PO Box 201601,
Helena, MT 59620-1601

PHONE 406-444-6999 FAX 406-444-9317

EMAIL DNRCHelenaWater@mt.gov

Beaverhead, Broadwater, Deer Lodge, Jefferson, Lewis and Clark, Powell, and Silver Bow Counties



KALISPELL

655 Timberwolf Parkway, Suite 4
Kalispell, MT 59901-1215

PHONE 406-752-2288

EMAIL DNRCKalispellWater@mt.gov

Flathead, Lake, Lincoln, and Sanders Counties



LEWISTOWN

613 Northeast Main St., Suite E
Lewistown, MT 59457-2020

PHONE 406-538-7459

EMAIL DNRCLewistownWater@mt.gov

Cascade, Fergus, Golden Valley, Judith Basin, Meagher, Musselshell, Petroleum, and Wheatland Counties



MISSOULA

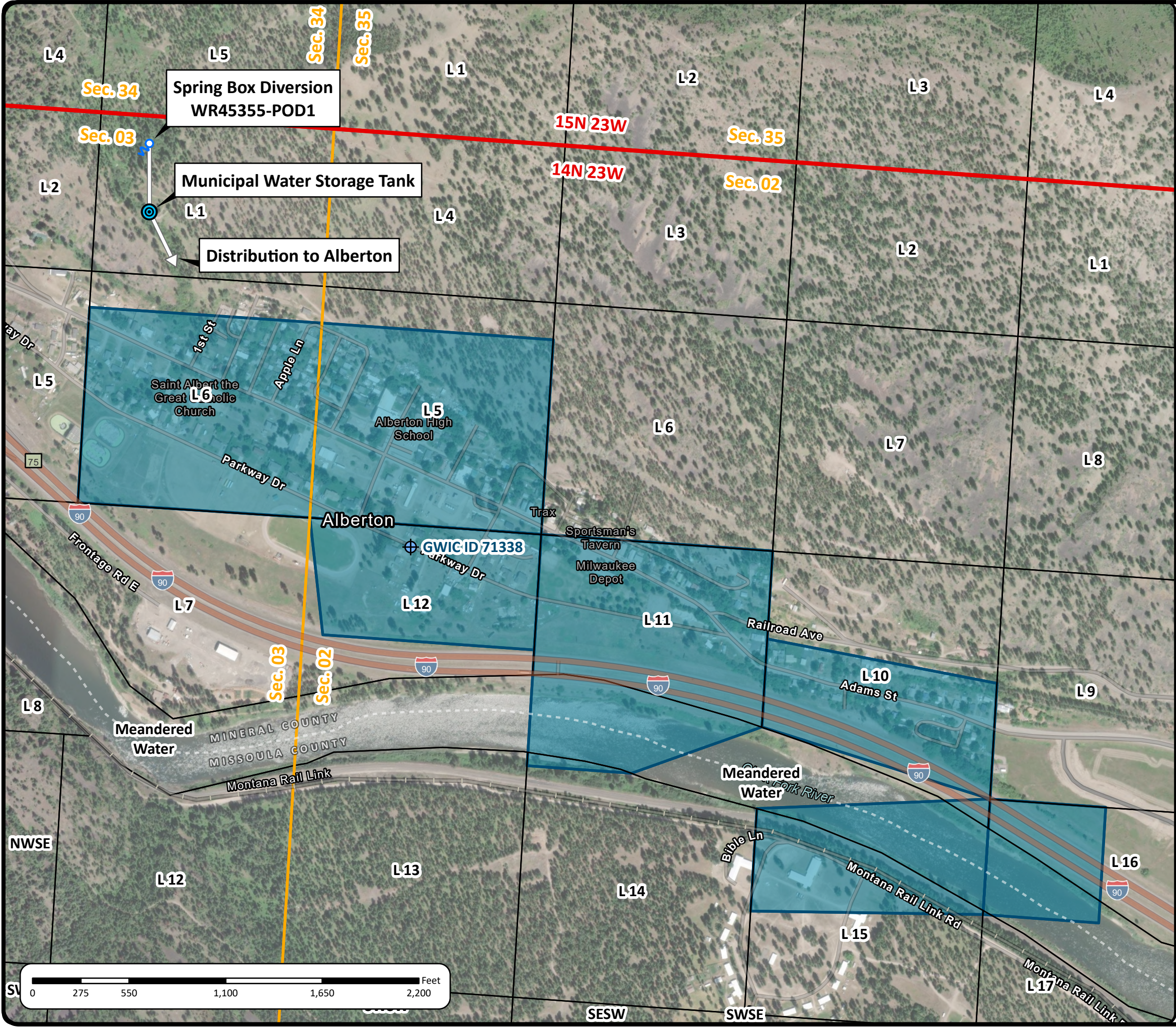
2705 Spurgin Rd. Bldg. C, PO Box 5004
Missoula, MT 59806-5004

PHONE 406-721-4284 FAX 406-542-5899

EMAIL DNRCMissoulaWater@mt.gov

Granite, Mineral, Missoula, and Ravalli Counties

Question 17



NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	4/28/25	LG	CE
2	ADD TANK AND WATER LINE	5/8/25	LG	CE
3	ADD WATER RIGHTS	6/2/25	EL	CE
4				
5				

NOTES

SPRING LOCATION

ALBERTON, MINERAL COUNTY, MT

JOB#: AMCEM01

DATE: 12/22/2025

FIGURE 1

Path: M:\AMCEM01\GIS\WaterRight\WaterRight.aprx, Author: jgeorge



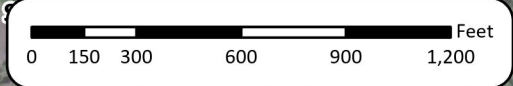
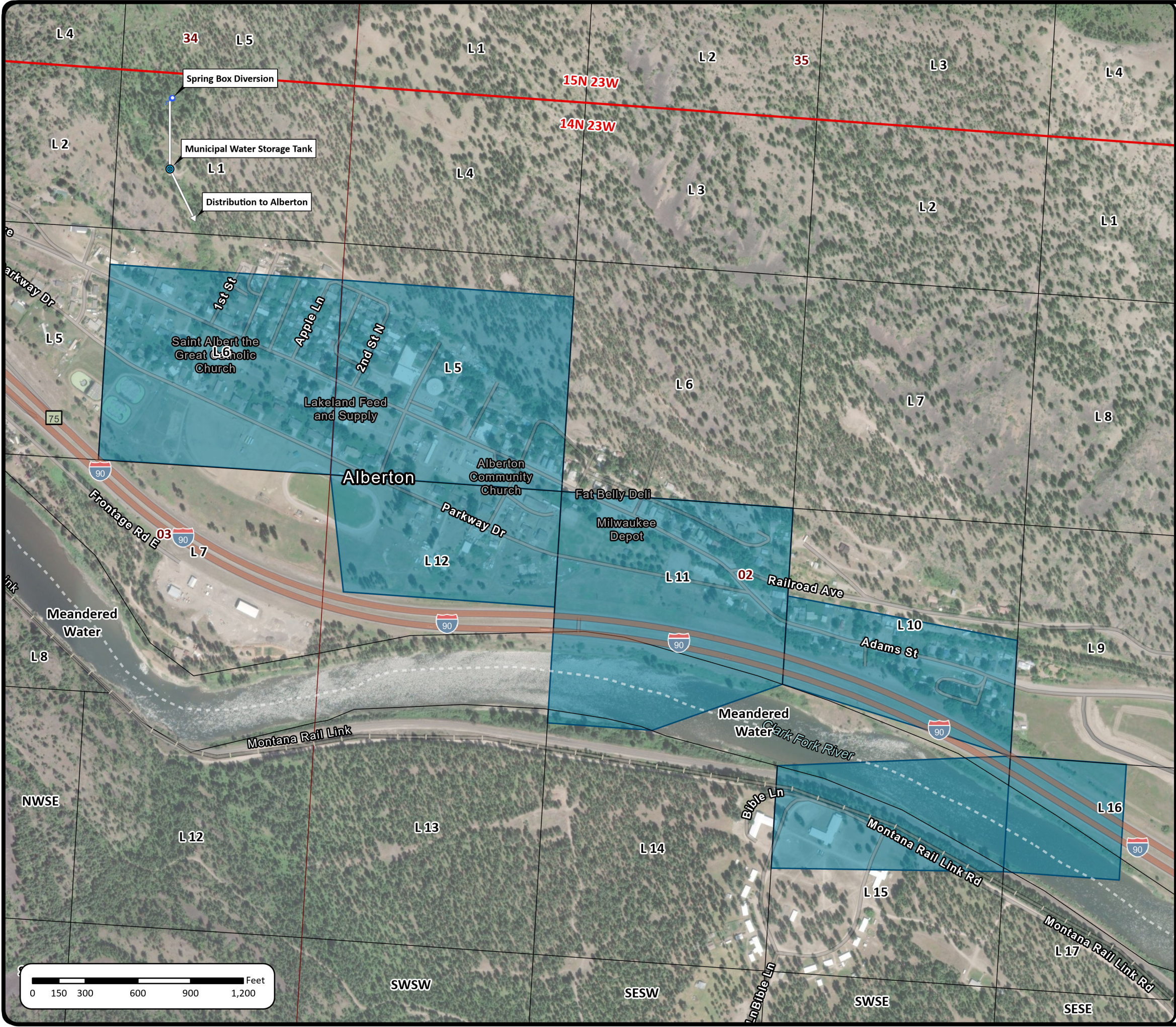
- Spring
- Water Storage Tank
- GWIC Well
- Water Line (Approximate Location)
- 76M 45355 00 and 76M 13904 00 Places of Use
- PLSS Township & Range
- PLSS First Division
- PLSS Second Division

Question 22

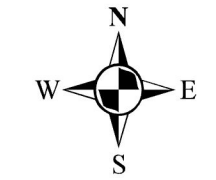
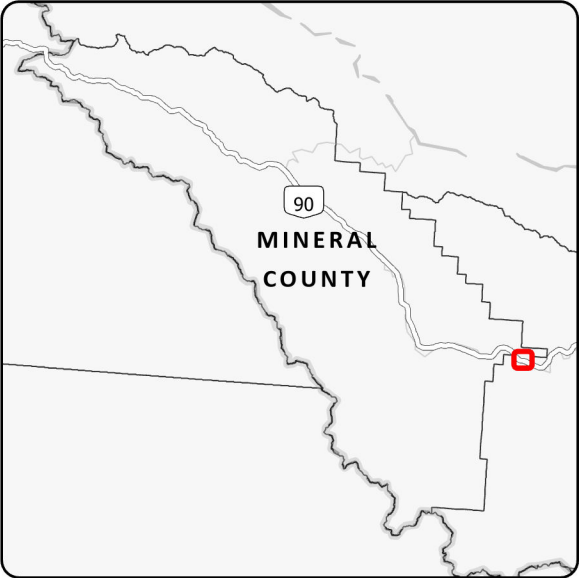
PLACE OF USE**22.****Place of Use:**

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			S2NENE	3	14N	23W	MINERAL
2			S2NWNW	2	14N	23W	MINERAL
3			N2SWNW	2	14N	23W	MINERAL
4			SEnw	2	14N	23W	MINERAL
5			S2SWNE	2	14N	23W	MINERAL
6			N2NWSE	2	14N	23W	MINERAL
7			NWNESE	2	14N	23W	MINERAL

Question 32



- Spring
- Water Storage Tank
- Water Line (Approximate Location)
- PLSS Township & Range
- PLSS First Division
- PLSS Second Division
- 76M 45355 00 and 76M 13904 00 Place of Use



NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	4/28/25	LG	CE
2	ADD TANK AND WATER LINE	5/8/25	LG	CE
3	ADD WATER RIGHTS	6/2/25	EL	CE
4				
5				

NOTES

SPRING LOCATION

ALBERTON, MINERAL COUNTY, MT

FIGURE 1

JOB#: AMCEM01

DATE: 6/2/2025

Path: M:\AMCEM01\GIS\WaterRight\WaterRight.aprx, Author: elahay



Question 33

MJD Contracting, LLC.

12 Ponderosa Rd Clancy, MT 59634

Letter of Transmittal

To:

Anderson-Montgomery Consulting En
Attn: Paul Montgomery
1064 N. Warren St.
Helena, MT 59601

REVIEWED	☒
REVIEWED & NOTED	☐
If checked below, fabrication MAY NOT BE UNDERTAKEN	
REVISED & RESUBMIT	☐
Checking is only for conformance with the design concept and compliance with the information given in the Contract Documents. Contractor is responsible for dimensions and quantities, for information that pertains solely to the fabrication and /or construction process, and for coordination of the work of all trades.	
ANDERSON - MONTGOMERY CONSULTING ENGINEERS	
BY 	DATE 7-3-20

Date:

July 2, 2020

Project

Job Name:

Alberton Water System Improvements

Address:

City/State/Zip:

Alberton, MT

We are sending you:

☒ Attached

☐ Under Separate Cover

Via: E-mail

The following items:

☐ Shop Drawings

☐ Plans

☐ Samples

☐ Specifications

☒ Product/Technical Data

Copies	Item Dated	Item No.	Spec Section	Description
1		6	40 71 13	Mag Flowmeter
1		7	40 71 13	Insertion Flowmeter

The above items are transmitted to you:

☒ For approval

☐ Approved as submitted

☐ Resubmitted for approval

☐ For your use

Remarks:

Copy To: _____

Signed:  _____

By signing, I certify that I have reviewed and check submittals for general conformance to the project specifications and methods to be performed.



Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Ultra Mag® Sensor



ProComm Converter



Ultra Mag models UM06 and UM08 flanged tube flow meters are manufactured to the highest standard available for mag meters.

The flanged end tube design permits use in a wide range of applications with up to 300 PSI working pressure.

The fabricated tube is stainless steel with steel or stainless steel flanges and is lined with UltraLiner™, an NSF approved, fusion bonded epoxy material.

INSTALLATION

Ultra Mag flow meter installation is similar to placing a short length of flanged end pipe in the line. The meter can be installed vertically, horizontally, or inclined on suction or discharge lines. The meter must have a full pipe of liquid for proper operation. Fluid must be grounded to the downstream flange of the sensor either via internal grounding electrodes (4 - 12") or using McCrometer 316 SS grounding rings.

For best performance, grounding rings are recommended for all sizes. Any 90 or 45 degree elbows, valves, partially opened valves, etc. should not be placed closer than one pipe diameters upstream and zero pipe diameters downstream.

All blending and chemical injection should be done early enough so the flow media is thoroughly mixed prior to entering the measurement area.

PROCOMM CONVERTER

The signal converter is the reporting, input and output control device for the sensor. The converter allows the measurements, functional programming, control of the sensor and data recording to be communicated through the display and inputs/outputs.

The microprocessor-based signal converter has a curve-fitting algorithm to improve accuracy, dual 4-20mA analog outputs, an optional RS485 communication port, an 8 line graphical backlit LCD display with 6-key touch programming, and a rugged enclosure that meets IP67.

In addition to a menu-driven self-diagnostic test mode, the converter continually monitors the microprocessor's functionality. The converter will output rate of flow and total volume. The converter also comes standard with password protection and many more features.

AVAILABLE ULTRA MAG FLANGED MODELS

UM06

Steel AWWA Class "D" flat face flanges
(150 PSI)

UM08 2", 3", AND ≥14"

Steel AWWA Class "F" raised face flanges
(300 PSI)

UM08 4" TO 12"

Steel ANSI 300 lb. Raised Face Flanges

PERFORMANCE ADVANTAGES

- Needs only 1 pipe diameter upstream of most flow disturbers
- No obstruction to the flow
- No moving parts to wear or break
- Maintenance free
- Worry-free accurate measurement
- Debris or solids will not clog the meter
- No head loss
- Bi-directional flow
- Empty pipe detection
- Unaffected by changes in density and viscosity
- No risk of liner delamination or separation
- Wide flow range
- Separated power and signal cables

TYPICAL APPLICATIONS

Industrial

Raw Water	Process Control
Chilled Water	Effluent Wastewater
Cooling Water	

Clean Water

Well Water	Rate-of-Flow Control
Potable Water	Raw Water Transmission
Pump Stations	

Wastewater

Influent	Waste Activated
Effluent	Sludge
Reclaimed	Return Activated
Lift Stations	Sludge

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Ultra Mag Part Number Matrix

UM		-	-	-	-	-	-	-	-	-	-	-	-	-	-
SINGLE DIRECTION/DIRECTIONAL		06													
150 PSI Service Pressure		08													
300 PSI Service Pressure															
NOMINAL LINE SIZE															
2 in		02													
3 in		03													
4 in		04													
6 in		06													
8 in		08													
10 in		10													
12 in		12													
14 in		14													
16 in		16													
18 in		18													
20 in		20													
24 in		24													
30 in		30													
36 in		36													
42 in		42													
48 in		48													
END CONNECTION OPTIONS															
AWWA Flat Face Flanges (Class D or F)															W
ANSI Raised Face Flanges (150# or 300#)															A
ELECTRODE MATERIAL OPTIONS															
S316 Stainless Steel (Standard)															S
Hastelloy															H
CONVERTER MOUNTING AND CABLE CONNECTOR OPTIONS															
Strain Relief [Remote Mount (Standard)]															R
Quick Connect [Remote Mount]															Q
Meter Mount Converter															M
REMOTE CABLE LENGTH OPTIONS															
25 feet (Standard)															025
50 feet															050
75 feet															075
100 feet															100
125 feet															125
150 feet															150
175 feet															175
200 feet															200
500 feet															500
Custom Length Cable [User Specified]															CST
Meter Mount Converter [No Remote Cable]															000
CONVERTER POWER OPTIONS															
AC Power															A
DC Power															D
Battery Power [25ft remote cable max]															B
CONVERTER OUTPUT OPTIONS															
Dual 4-20mA Analog, Dual Digital (Standard)															1
Modbus + STD (Two 4-20, two Dig)															2
Hart + STD (Two 4-20, two Dig)															3
Datalogger/BIV + STD (Two 4-20, two Dig)															4
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)															5
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)															6
AMI Smart Output + STD (Two 4-20, two Dig)															7*
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)															8*
AMI Smart Output + Dig Out + Datalogger (Battery power only)															9*
Digital Out + Datalogger (Standard Battery Power only)															0
SMART OUTPUT PROTOCOL OPTIONS (*7 OR 8 OUTPUT OPTION REQUIRED)															
No AMI Outputs															-
Sensus Protocol (6ft cable, Nicor Connector hardwired only)															SEN
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)															ITR6
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)															ITR9
NON STANDARD LENGTH OPTIONS															
McCrometer Length (Standard)															S
Competitor Meter Replacement Length															\$
Special Length [Customer Specified]															XL

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

ISOLATED POWER AND SIGNAL

The power and signal between the converter and sensor are isolated and placed in separate cables giving superior resistance to electrical signal noise compared to single cable designs. An added benefit from the dual cable design is a maximum cable length of up to 500ft.

FLOW METER SPECIFICATIONS

Pipe Sizes	
2", 3", 4", 6", 8", 10", 12", 14", 16", 18", 20", 24", 30", 36", 42", 48"	
Flow Direction Measurement	
Forward and reverse flow indication and forward, reverse, net totalization are standard with all meters	
Accuracy	
Plus or minus 0.5% of actual flow (battery powered is $\pm 1\%$ of flow) IMPORTANT NOTICE ON FLOW METER ACCURACY: The flow meter, the cable and the electronics are factory calibrated for accuracy as a single unit. Changing the cable length with the Splice Kit changes the accuracy of the meter and invalidates the calibration certificate.	
Accuracy Tests	
5-point wet flow calibration of every complete flow tube with its signal converter. If desired, the tests can be witnessed by the customer. The McCrometer test facilities are traceable to the National Institute of Standards & Technology. Uncertainty relative to flow is $\pm 0.15\%$	
Repeatability	
$\pm 0.05\%$ or $\pm 0.0008\text{ft/s}$ ($\pm 0.25\text{mm/s}$), whichever is greater	
Conductivity	
5 $\mu\text{s/cm}$	
Liner	
UltraLiner NSF approved, fusion bonded epoxy	
Electrodes	
Type 316 stainless steel, others optional	
Electrical Connections	
• Compression gland seals • Quick-Connect	
IP Rating	
Standard model	• Quick Connect (NEMA 6P/IP68 with remote converter) • Compression gland seals (NEMA 6P/IP68 with remote converter)
HL model	• Quick Connect (IP67) • Compression gland seals (IP67)
Sensor Submersibility Depth	
With standard strain relief cable	9 m (30 ft.)
With optional quick connect cable	1.8 m (6 ft.)

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Head Loss		
	None. No obstruction in line and no moving parts	
Warranty		
Meter	2 year warranty	
Liner	Lifetime guarantee	
Pressure Range		
	150 PSI maximum working pressure (UM06); 300 PSI maximum working pressure (UM08)	
Velocity Range		
	.2 to 32 FPS	
Temperature Range		
	Sensor Operating: -10 to 60°C (14 to 140°F) Sensor Storage: -15 to 60°C (5 to 140° F)	
Certifications and Approvals		
Standard Model	• ISO 9001:2015 certified quality management system • Certified by MET to UL 61010-1	
HL Model	• ISO 9001:2015 certified quality management system • Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04 • Class I, Division 2, Groups A-D, T5 • Class I, Zone 2, IIC T5	
System Options		
	• Hastelloy® electrodes • Additional sensor cable up to 475' • Annual verification / calibration • Stainless steel ID tag	
Meter Options		
	• DC powered converter (10-35 VDC, 21 W) • Meter mounted converter • Extended warranty • Hastelloy® electrodes • ANSI or DIN flanges • Quick Connect cable fittings • Special lay lengths, including ISO standard lay lengths	• Converter sun shield • HART® Converter • Smart Output™ (Sensus or Itron compatible) • Battery or battery-solar powered converter (Not MET approved, ±1% accuracy)

Specification Sheet

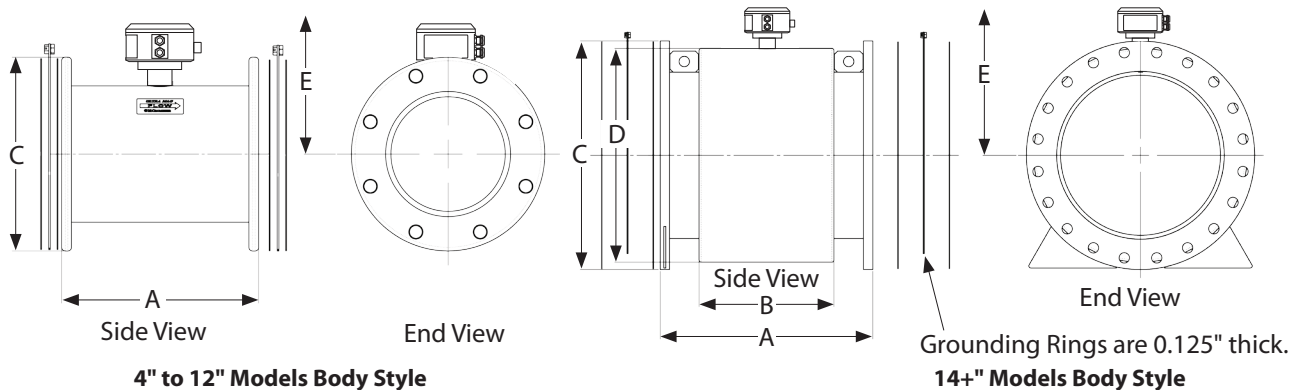
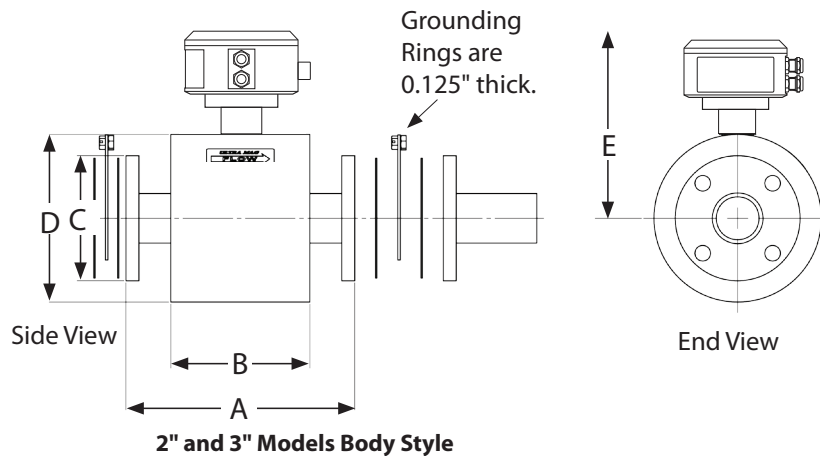
Ultra Mag Flow Meter with ProComm Converter

FLOW METER PIPE SIZES AND FLOW RANGES

Pipe Size (Nominal)	Meter Pipe ID	Flow Ranges GPM Standard .2 to 32 FPS Min - Max	DIMENSIONS (Lay Lengths)							Estimated Shipping Weight (lbs.)	
			A*		B	C		D	E	UM06	UM08
			UM06	UM08		UM06	UM08				
2"	2.117	2 - 340	11.00	11.00	6.70	6.00	6.50	7.90	9.26	93	107
3"	3.220	5 - 730	13.40	13.40	6.70	7.50	8.25	9.40	10.01	97	111
4"	3.720	8 - 1,140	13.40	13.40	n/a	9.00	10.00	n/a	8.06	78	108
6"	5.692	19 - 2,660	14.60	14.60	n/a	11.00	12.50	n/a	9.06	82	138
8"	7.692	33 - 4,870	16.10	17.25	n/a	13.50	15.00	n/a	10.06	115	195
10"	9.682	52 - 7,670	18.50	18.50	n/a	16.00	17.50	n/a	10.46	144	247
12"	11.682	74 - 11,180	19.70	19.70	n/a	19.00	20.50	n/a	12.31	193	342
14"	13.440	90 - 16,070	21.70	22.75	12.00	21.00	23.00	20.30	15.46	321	476
16"	15.440	118 - 20,900	23.60	25.25	14.20	23.50	25.50	21.10	16.21	390	645
18"	17.440	150 - 26,480	23.60	25.25	14.20	25.00	28.00	21.10	17.21	446	750
20"	19.440	185 - 32,720	25.60	28.25	16.20	27.50	30.50	24.80	18.26	588	874
24"	23.440	270 - 47,180	30.70	35.75	21.70	32.00	36.00	29.60	20.11	769	1,568
30"	29.190	420 - 73,620	35.80	41.75	26.50	38.75	43.00	35.90	23.26	1,261	2,317
36"	35.190	610 - 105,930	46.10	46.10	28.20	46.00	50.00	42.70	26.66	1,696	2,915
42"	41.190	830 - 144,370	48.05	**	32.10	52.75	**	48.35	29.99	**	**
48"	47.190	1,080 - 188,430	50.00	**	36.00	59.50	**	54.00	33.31	**	**

* Laying lengths for meters with ANSI Class 150 Flanges are equal to UM08 laying lengths

** Consult factory



Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER PART NUMBER MATRIX

PC -				
CONVERTER MOUNTING OPTIONS				
Remote Mount	R			
Meter Mount	M			
CONVERTER POWER OPTIONS				
AC Power	A			
DC Power	D			
Battery Power [25ft remote cable max]	B			
CONVERTER OUTPUT OPTIONS				
Dual 4-20mA Analog, Dual Digital (Standard)		1		
Modbus + STD (Two 4-20, two Dig)		2		
Hart + STD (Two 4-20, two Dig)		3		
Datalogger/BIV + STD (Two 4-20, two Dig)		4		
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)		5		
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)		6		
AMI Smart Output + STD (Two 4-20, two Dig)		7*		
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)		8*		
AMI Smart Output + Dig Out + Datalogger (Battery power only)		9*		
Digital Out + Datalogger (Standard Battery Power only)		0		
SMART OUTPUT PROTOCOL OPTIONS (*7, 8, OR 9 OUTPUT OPTION REQUIRED)				
No AMI Outputs				-
Sensus Protocol (6ft cable, Nicor Connector hardwired only)				SEN
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)				ITR6
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)				ITR9

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER SPECIFICATIONS

Power Source

AC	100-240 VAC / 45-66 Hz (10 W) *	* AC or DC must be specified at time of ordering.
DC	10-35 VDC (10 W) *	

Standard Outputs

Dual 4-20mA Outputs: Galvanically isolated and fully programmable for zero and full scale (0-21mA rangeability)		
Two separate digital programmable outputs: open collector transistor usable for pulse, frequency, or alarm settings.		
- Volumetric Pulse - Flow Rate (Frequency) - Hardware Alarm - High/Low Flow Alarms - Empty Pipe - Directional Indication	- Range Indication - Maximum switching voltage: 40 VDC - Maximum switching current: 100mA	- Maximum switching frequency: 1250 Hz - Insulation from other secondary circuits: 500V

Optional Outputs

- Modbus - HART	Smart Output™ (Sensus, Itron 6, Itron 9)	- Datalogger - Built-in verification
--	--	---

Galvanic Isolation

All inputs / outputs are galvanically isolated from power supply up to 500 V

Engineering Units

- Cubic Meter - Cubic Centimeter - Milliliter - Liter - Cubic Decimeter - Decaliter - Hectoliter - Cubic Inches	- US Gallons - Imperial Gallons - Cubic Feet - Kilo Cubic Feet - Standard Barrel - Oil Barrel - US Kilogallon - Ten Thousands of Gallons	- Imperial Kilogallon - Acre Feet - Megagallon - Imperial Megagallon - Hundred Cubic Feet - Megaliters
--	---	---

Conductivity

Minimum conductivity of 5µS/cm

Electrical Connections

Connection options	- Compression gland seals for 0.24" to 0.47" diameter round cable - Conduit option: 1/2" NPT threaded connections
---------------------------	--

Sensor Cable Lengths

Standard	25' McCrometer supplied submersible cable with each remote mount unit.
Optional	Up to 500 feet, or 25 feet max for battery powered.
Quick Connect	Available in standard cable lengths: 25', 50', 75', 100', 125', 150', 175', 200', and 500'. Custom cable lengths at additional cost.

IP Rating

IP67 Die cast aluminum converter (only when connected using compression gland seals)

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model	• ISO 9001:2015 certified quality management system • CE • Certified by MET to UL 61010-1
HL Model	• ISO 9001:2015 certified quality management system • CE • Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04 • Class I, Division 2, Groups A-D, T5 • Class I, Zone 2 IIC T5



System Options

- | | |
|---|---|
| <ul style="list-style-type: none"> • Hastelloy® electrodes • DC power • Additional sensor cable up to 475' (500' max for model 395 and 200' max for model 394) | <ul style="list-style-type: none"> • Extension to hardware clearance • Annual verification / calibration • Sensor insertion tool • Stainless steel ID tag |
|---|---|

Temperature Range

Operating and storage	-20° to 60° C (-4° to 140° F)
------------------------------	-------------------------------

Converter Dimensions

Remote mount	• Height: 7.3" (18.5 cm) • Width: 8.5" (21.6 cm) • Depth: 4.3" (10.9 cm)
Meter mount	• Height: 6.9" (17.5 cm) • Width: 7.2" (18.25 cm) • Depth: 6.2" (15.7 cm)

Keypad and Display

Can be used to access and change set-up parameters using six membrane keys and an LCD display

Note regarding cable length: McCrometer recommends minimizing cable length. Electromagnetic flow meters may have unfavorable signal strength to noise ratio in electrically noisy environments. Longer lengths of cable increase the likelihood of interference. In those cases where the meter's signal must be transmitted a long distance, or where the environment may be particularly noisy, we suggest using the converter's analog output(s). That allows locating the converter as close as possible to the metering location.

Specification Sheet

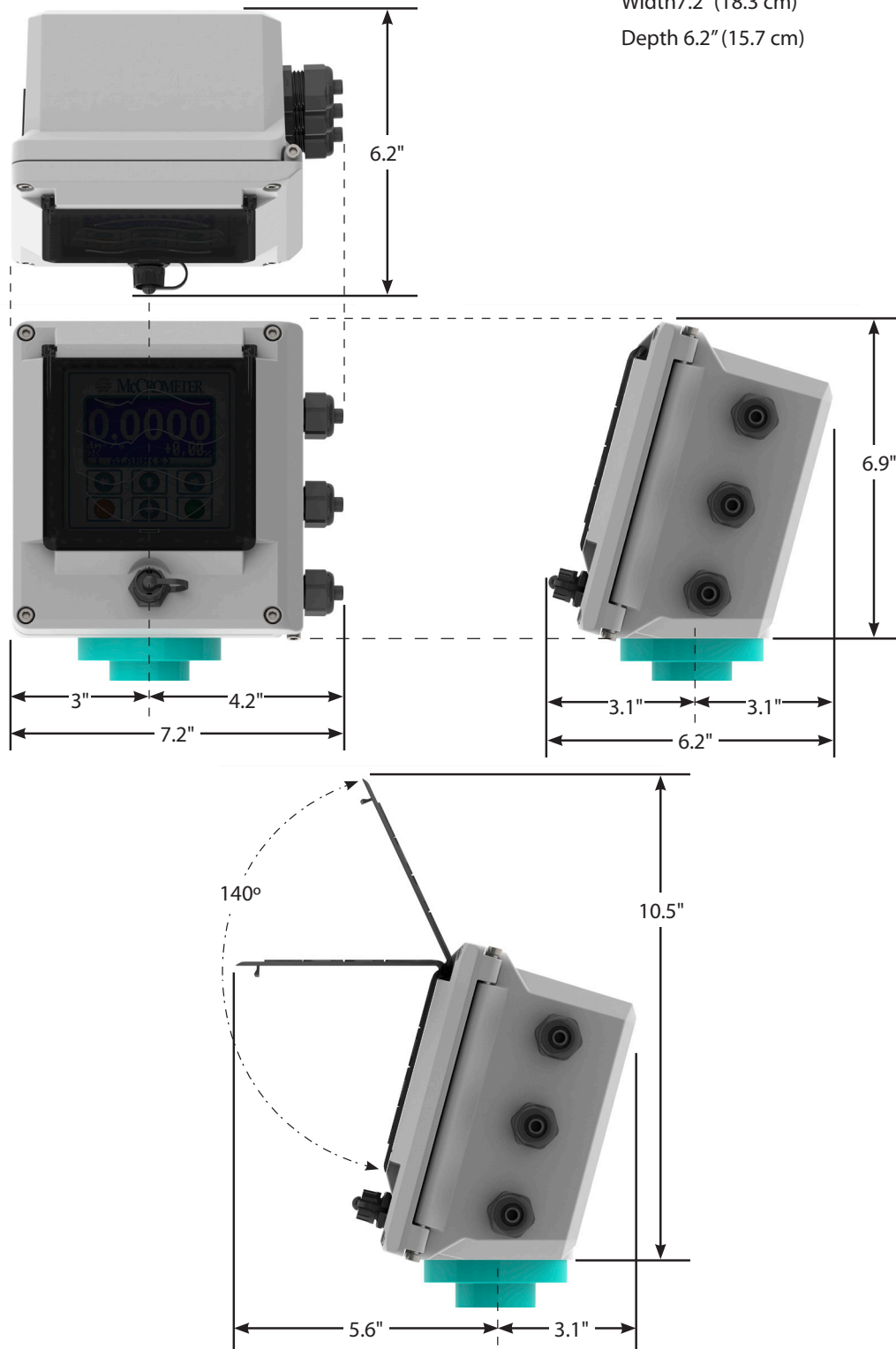
Ultra Mag Flow Meter with ProComm Converter

METER MOUNT CONVERTER DIMENSIONS

Height 6.9" (20.1 cm)

Width 7.2" (18.3 cm)

Depth 6.2" (15.7 cm)



Copyright © 2001-2019 McCrometer, Inc. All printed material should not be changed or altered without permission of McCrometer. Any published pricing, technical data, and instructions are subject to change without notice. Contact your McCrometer representative for current pricing, technical data, and instructions.

3255 WEST STETSON AVENUE • HEMET, CALIFORNIA 92545 USA

TEL: 951-652-6811 • 800-220-2279 • FAX: 951-652-3078

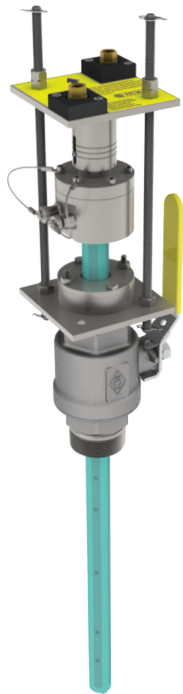
www.mccrometer.com





FPI Mag Flow Meter with ProComm Converter

FPI Mag® Sensor



ProComm® Converter



The FPI Mag® (Full Profile Insertion) electromagnetic flow meter is the only hot tap full profile insertion flow meter available on the market. The FPI Mag installs without service interruption making it ideal for retrofits, upgrades and maintenance projects and sites never metered before. The hot tap installation significantly reduces installation time eliminating the need to de-water lines or cut pipe.

The multi-electrode sensor delivers an accurate measurement of the full pipe profile rivaling the performance of a full-bore mag meter. The repeatable, stable measurement across the entire flow profile compensates for variable flow profiles, including swirl and turbulent conditions.

The FPI Mag is the industry's most economical flow metering solution offering unbeatable value in the cost of installation and ownership reducing installed costs by more than 45 percent in medium and large line sizes. The compact insertion design fits in confined spaces and offers complete accessibility. The flow meter can be removed in pipes under pressure for easy inspection, cleaning, calibrating, or verification. Installation costs are reduced by eliminating the need for heavy equipment and extensive manpower.

The innovative flow meter comes pre-calibrated from McCrometer's NIST traceable calibration labs and requires no recalibration in the field. With no moving parts and a single-piece design, the FPI Mag's sensor contains nothing to wear or break and is generally immune to clogging by sand, grit, or other debris. The electrodes are encased in a heavy-duty 316 stainless steel sensor body for maximum structural integrity and coated with a NSF certified 3M™ fusion-bonded epoxy coating for operational longevity.

MUNICIPAL WATER AND WASTEWATER

The FPI Mag Full Profile Insertion mag meter supports the following water and wastewater treatment applications:

Water

- Distribution
- Effluent
- Filter balancing and backwash
- Pumping stations
- UV dosing
- Wells and booster stations

Wastewater

- Effluent
- Recycle / reclaim

The FPI Mag is ideal for chilled water in campus style facilities, hospitals, airports, hotels, casinos, etc.

INDUSTRIAL FACILITIES

The FPI Mag is also suitable for a variety of industrial facilities: power plants (including cogeneration), paper mills, chemical & petrochemical plants, metals & mining, and food & beverage.

Applications Include

- Cooling water
- Fire water
- Feed water
- Raw water
- Inlet to surge basin
- Effluent wastewater

Benefits:

- **Hot Tap Installation** - No service interruption
- **Accurate** – Measures the full flow profile
- **Lower Cost** – Installed savings more than 45%
- **Robust** – No moving parts to wear or break
- **Versatile** – Great for plant maintenance, upgrades and retrofits
- **Accessible** – Insertion design provides easy access
- **Virtually No Maintenance** – No field calibration required

FPI MAG PART NUMBER MATRIX

39											
SINGLE DIRECTION /BIDIRECTIONAL											
→ 394 - Bidirectional	4										
→ 395 - Single Direction	5										
STOCK BODY OR CUSTOM LENGTH											
→ Stock Body Length (4-24")	S										
Custom Body Length	C										
NOMINAL LINE SIZE											
	4 in	004									
	6 in	006									
→	8 in	008									
	10 in	010									
	12 in	012									
	14 in	014									
	16 in	016									
	18 in	018									
	20 in	020									
	22 in	022									
	24 in	024									
	30 in	030									
	36 in	036									
	42 in	042									
	48 in	048									
	54 in	054									
	60 in	060									
	66 in	066									
	72 in	072									
Contact Factory for Larger Line Sized		Larger									
ELECTRODE MATERIAL OPTIONS											
→	S316 Stainless Steel (Standard)	S									
	Hastelloy	H									
CABLE CONNECTOR OPTIONS											
→	Quick Connect (Standard)	Q									
	Strain Relief	R									
REMOTE CABLE LENGTH OPTIONS											
→	25 feet (Standard) *	025									
	50 feet	050									
	75 feet	075									
	100 feet	100									
	125 feet	125									
	150 feet	150									
	175 feet	175									
	200 feet *	200									
	500 feet *	500									
Custom Length Cable [User Specified]		CST									

* Maximum cable lengths:
Battery powered converter cable: 25 feet
Model 394: 200 feet
Model 395: 500 feet

continued next page



FPI Mag Flow Meter with ProComm Converter

CONVERTER POWER OPTIONS		
AC Power	A	
DC Power	D	
Battery Power [25ft remote cable max]	B	
Solar Power, Battery Backup [25ft remote cable max]	S	
CONVERTER OUTPUT OPTIONS		
Dual 4-20mA Analog, Dual Digital (Standard)	1	
Modbus + STD (Two 4-20, two Dig)	2	
Hart + STD (Two 4-20, two Dig)	3	
Datalogger/BIV + STD (Two 4-20, two Dig)	4	
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)	5	
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)	6	
AMI Smart Output + STD (Two 4-20, two Dig)	7	
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)	8	
AMI Smart Output + Dig Out + Datalogger (Battery power only)	9	
Digital Out + Datalogger (Standard Battery Power only)	0	
BALL VALVE OPTIONS		
2" NPT SS Ball Valve	N	
2" BSP Brass Ball Valve	B	
No Valve, NPT Hardware	X	
No Valve, BSP Hardware	Y	
SMART OUTPUT PROTOCOL OPTIONS *		
No AMI Outputs	-	
Sensus Protocol (6ft cable, Nicor Connector hardwired only)	SEN	
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR6	
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR9	
HAZARDOUS LOCATION		
Class I, Division 2, Groups A-D, T5	HL	

* Smart Output protocol options require selection of converter output option 7, 8, or 9.



FPI Mag Flow Meter with ProComm Converter

FLOW METER SPECIFICATIONS

The full pipe averaging flow meter comes complete with Mounting Hardware, AC Converter with Dual 4-20mA output, 25 Feet of Dual Submersible Cables with quick connects at sensor, Stainless Steel Body, 316 Stainless Steel Electrodes, NSF Approved Fusion Bonded Epoxy Coating, 2" Stainless Steel Ball Valve (minimum of 1-7/8" port I.D.), 2" x Close Stainless Steel Nipple, 2-Year Warranty.

Measurement

Volumetric flow in filled flow conduits 4" (100 mm) to 138" (3,500 mm) utilizing insertable electromagnetic averaging sensor. Flow indication in English Standard or Metric units.

Flow Measurement

Method	Electromagnetic
Calibrated accuracy for forward and bidirectional sensors	• $\pm 0.5\%$ from 1 f/s to max velocity (on next page), up to $\pm 1\%$ for 0.3 to 1 f/s • $\pm 1\%$ for reverse flow
Linearity	0.3% of Range
Repeatability	0.2% of Reading
Direction measurement	• 395 sensor - Forward flow measurement and reverse flow indication • 394 sensor - bidirectional flow measurement

Materials

Coating	Fusion bonded epoxy (NSF 61 approved) coated 316 stainless steel
Insertion hardware	316 Stainless Steel
Compression seal	Silicone Rubber
Sensor electrodes	316 Stainless Steel

Temperature Range

Operation	-10 to 60°C (14 to 140°F) up to 250 PSI
Storage	-15 to 60°C (5 to 140°F)
	Note regarding storage: During freezing conditions and when meter is not in use, sensor must be removed from pipe and stored in dry conditions.
	NOTE: Damage to the sensor caused by allowing the sensor freeze in the pipe is not covered by the warranty.

Electrical Connections

- Quick Connect
- Compression gland seals

IP Rating

Standard model	• Quick Connect (IP68) • Compression gland seals (IP68)
HL model	• Quick Connect (IP67) • Compression gland seals (IP67)

Sensor Submersibility Depth

With standard quick connect	1.8 m (6 ft.)
With optional strain relief cable	9 m (30 ft.)



FPI Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model

- ISO 9001:2015 certified quality management system
- NSF/ANSI/CAN 61 & NSF/ANSI 372
- Certified by MET to UL 61010-1

HL Model

- ISO 9001:2015 certified quality management system
- NSF/ANSI/CAN 61 & NSF/ANSI 372
- Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04
 - Class I, Division 2, Groups A-D, T5
 - Class I, Zone 2, IIC T5



System Options

- Hastelloy® electrodes
- Additional sensor cable up to 475' (500' max for model 395 and 200' max for model 394)
- Extension to hardware clearance
- Annual verification / calibration
- Sensor insertion tool
- Stainless steel ID tag

Preliminary



FLOW METER PIPE SIZES AND FLOW RANGES

Pipe Size (Nominal)	Pipe ID Range		Flow Ranges (GPM Standard)		Standard Program Defaults ¹	Minimum Clearance Required During Installation ²	Velocity Range ³ (f/s)
	Min Pipe ID	Max Pipe ID	Min (GPM) ¹	Max (GPM) ¹	20mA		
S = Standard (Available in 395 models Pipe Sizes 4" - 24" as shown in table below) C = Custom (Available in all 394 and 395L models Pipe Sizes 4" - 138") Standard Length Hardware and Installation Clearance Dimensions are based on a 4" Maximum Height Coupling and Pipe Schedule Standard							
4"	3.63	4.99	12	1280	600 GPM	51"	0.3 - 32
6"	5.00	6.99	26	2800	1300 GPM	51"	0.3 - 32
8"	7.00	8.99	47	5000	2350 GPM	55"	0.3 - 32
10"	9.00	10.99	80	8000	4000 GPM	55"	0.3 - 32
12"	11.00	12.99	110	11000	5500 GPM	59"	0.3 - 32
14"	13.00	14.99	150	15000	7500 GPM	59"	0.3 - 32
16"	15.00	16.75	190	20000	9500 GPM	59"	0.3 - 32
18"	16.76	18.80	240	26000	12000 GPM	63"	0.3 - 32
20"	18.81	20.99	300	28000	15000 GPM	63"	0.3 - 28
22"	21.00	22.49	400	30000	20000 GPM	67"	0.3 - 25
24"	22.50	25.99	410	33000	20500 GPM	67"	0.3 - 23
30"	26.00	31.99	600	44000	30000 GPM	71.25"	0.3 - 20
36"	32.00	37.99	1000	48000	50 KGPM	77.25"	0.3 - 15
42"	38.00	43.99	1300	56000	65 KGPM	83.25"	0.3 - 13
48"	44.00	49.99	1700	62000	85 KGPM	89.25"	0.3 - 11
54"	50.00	55.99	2200	79000	110 KGPM	95.25"	0.3 - 11
60"	56.00	61.99	2600	97000	130 KGPM	101.25"	0.3 - 11
66"	62.00	67.99	3200	106000	160 KGPM	107.25"	0.3 - 10
72"	68.00	73.99	3800	127000	190 KGPM	113.25"	0.3 - 10
78"-138"	74.00	138.00	Available - Call Factory at 1-800-220-2279				

¹ Default totalizer units measured as KGAL.² Hardware clearance after installation for all sizes is 28".³ Flow temperature range -10° to 60° C (14° to 140° F) up to 250 PSI, max pressure is 250 psi.**! Required Information**

At the time of ordering, please be prepared to provide the following information:

1. Pipe ID and Pipe OD
2. Unit of Measure (US Gallons is Default)
3. Maximum pressure
4. FPI Specification Data Sheet for custom length sensors

Consult factory if any chemicals are in use.



FPI Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER PART NUMBER MATRIX

PC -		-	-	-	-	-
CONVERTER MOUNTING OPTIONS						
Meter Mount	M					
Remote Mount	R					
CONVERTER POWER OPTIONS						
AC Power	A					
DC Power	D					
Battery Power [25ft remote cable max]	B					
Solar Power, Battery Backup [25ft remote cable max]	S					
CONVERTER OUTPUT OPTIONS						
Dual 4-20mA Analog, Dual Digital (Standard)	1					
Modbus + STD (Two 4-20, two Dig)	2					
Hart + STD (Two 4-20, two Dig)	3					
Datalogger/BIV + STD (Two 4-20, two Dig)	4					
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)	5					
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)	6					
AMI Smart Output + STD (Two 4-20, two Dig)	7					
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)	8					
AMI Smart Output + Dig Out + Datalogger (Battery power only)	9					
Digital Out + Datalogger (Standard Battery Power only)	0					
SMART OUTPUT PROTOCOL OPTIONS *						
No AMI Outputs	-					
Sensus Protocol (6ft cable, Nicor Connector hardwired only)	SEN					
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR6					
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR9					
HAZARDOUS LOCATION						
Class I, Division 2, Groups A-D, T5	HL					

* Smart Output protocol options require selection of converter output option 7, 8, or 9.



PROCOMM CONVERTER SPECIFICATIONS

Power Source

AC	100-240 VAC / 45-66 Hz (10 W)	Note: AC or DC must be specified at time of ordering.
DC	10-35 VDC (10 W)	

Standard Outputs

Dual 4-20mA Outputs: Galvanically isolated and fully programmable for zero and full scale (0-21mA rangeability)

Two separate digital programmable outputs: open collector transistor usable for pulse, frequency, or alarm settings.

- Volumetric Pulse
- Flow Rate (Frequency)
- Hardware Alarm
- High/Low Flow Alarms
- Empty Pipe
- Directional Indication
- Range Indication
- Maximum switching voltage: 40 VDC
- Maximum switching current: 100mA
- Maximum switching frequency: 1250 Hz
- Insulation from other secondary circuits: 500V

Optional Outputs

- Modbus
- HART
- Smart Output™ (Sensus, Itron 6, Itron 9)
- Datalogger
- Built-in verification

Galvanic Isolation

All inputs / outputs are galvanically isolated from power supply up to 500 V

Engineering Units

- Cubic Meter
- Cubic Centimeter
- Milliliter
- Liter
- Cubic Decimeter
- Decaliter
- Hectoliter
- Cubic Inches
- US Gallons
- Imperial Gallons
- Cubic Feet
- Kilo Cubic Feet
- Standard Barrel
- Oil Barrel
- US Kilogallon
- Ten Thousands of Gallons
- Imperial Kilogallon
- Acre Feet
- Megagallon
- Imperial Megagallon
- Hundred Cubic Feet
- Megaliters

Conductivity

Minimum conductivity of 5µS/cm

Electrical Connections

Connection options

- Compression gland seals for 0.24" to 0.47" diameter round cable
- Conduit option: 1/2" NPT threaded connections

Sensor Cable Lengths

Standard	25' McCrometer supplied submersible cable with each remote mount unit.
Optional	Up to 500 feet, or 25 feet max for battery powered.
Quick Connect *	Available in standard cable lengths: 25', 50', 75', 100', 125', 150', 175', 200', and 500'. Custom cable lengths at additional cost.

IP Rating

IP67 Die cast aluminum converter (only when connected using compression gland seals)

* Not available with SPI Mag



FPI Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model

- ISO 9001:2015 certified quality management system
- CE
- Certified by MET to UL 61010-1

HL Model

- ISO 9001:2015 certified quality management system
- CE
- Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04
 - Class I, Division 2, Groups A-D, T5
 - Class I, Zone 2 IIC T5

**IMPORTANT:**

Electrical safety certifications above do not apply to model 282L Single Point Insertion (SPI Mag) Electromagnetic Flow Meter.

System Options

- Hastelloy® electrodes*
- DC power
- Additional sensor cable up to 475' (500' max for FPI Mag)
- Extension to hardware clearance
- Annual verification / calibration
- Sensor insertion tool*
- Stainless steel ID tag

Temperature Range

Operating and storage

-20° to 60° C (-4° to 140° F)

Converter Dimensions

Remote mount*

- Height: 7.3" (18.5 cm)
- Width: 8.5" (21.6 cm)
- Depth: 4.3" (10.9 cm)

Meter mount

- Height: 6.9" (17.5 cm)
- Width: 7.2" (18.25 cm)
- Depth: 6.2" (15.7 cm)

Keypad and Display

Can be used to access and change set-up parameters using six membrane keys and an LCD display

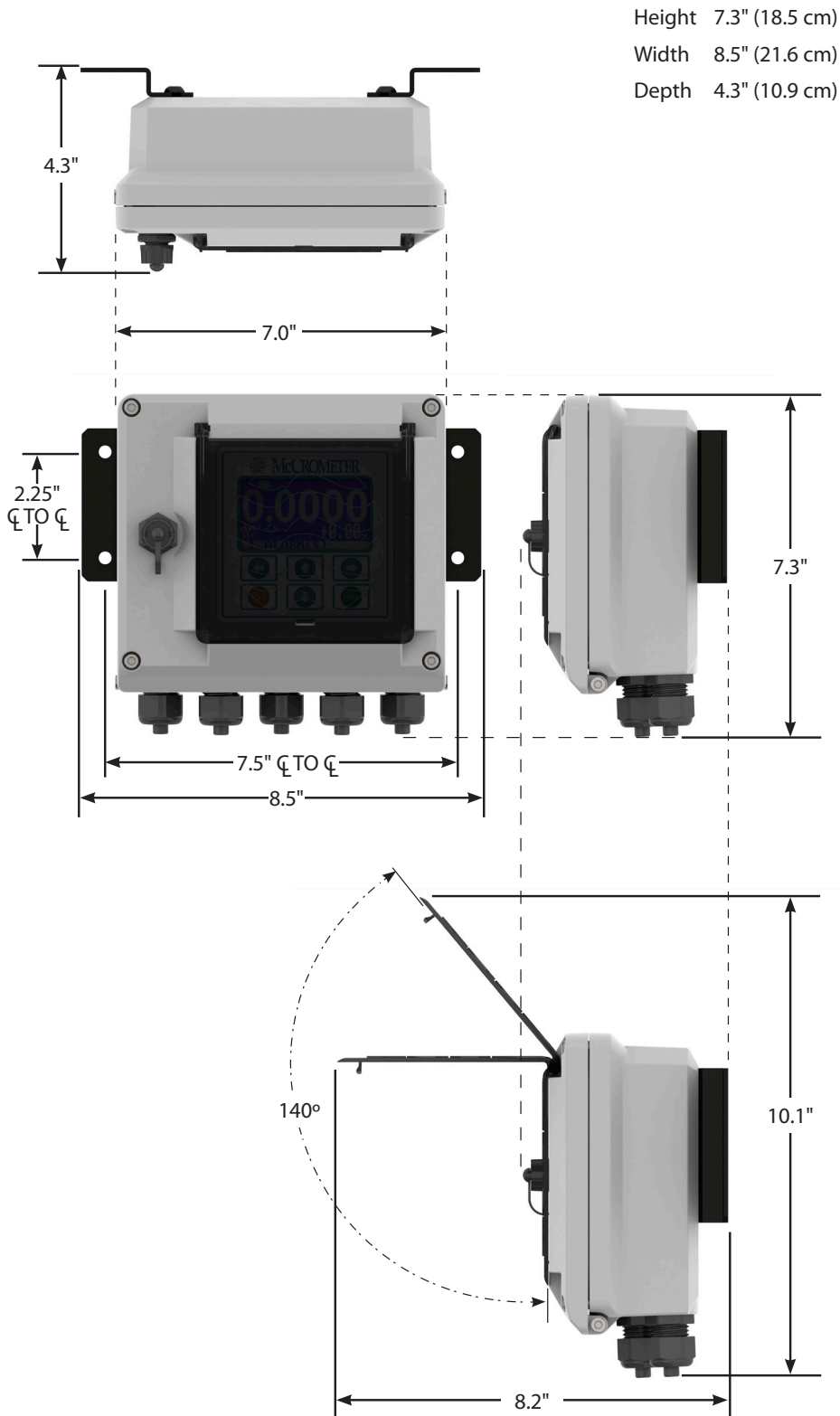
* Not available with SPI Mag

Note regarding cable length: McCrometer recommends minimizing cable length. Electromagnetic flow meters may have unfavorable signal strength to noise ratio in electrically noisy environments. Longer lengths of cable increase the likelihood of interference. In those cases where the meter's signal must be transmitted a long distance, or where the environment may be particularly noisy, we suggest using the converter's analog output(s). That allows locating the converter as close as possible to the metering location.

Specification Sheet

FPI Mag Flow Meter with ProComm Converter

CONVERTER DIMENSIONS

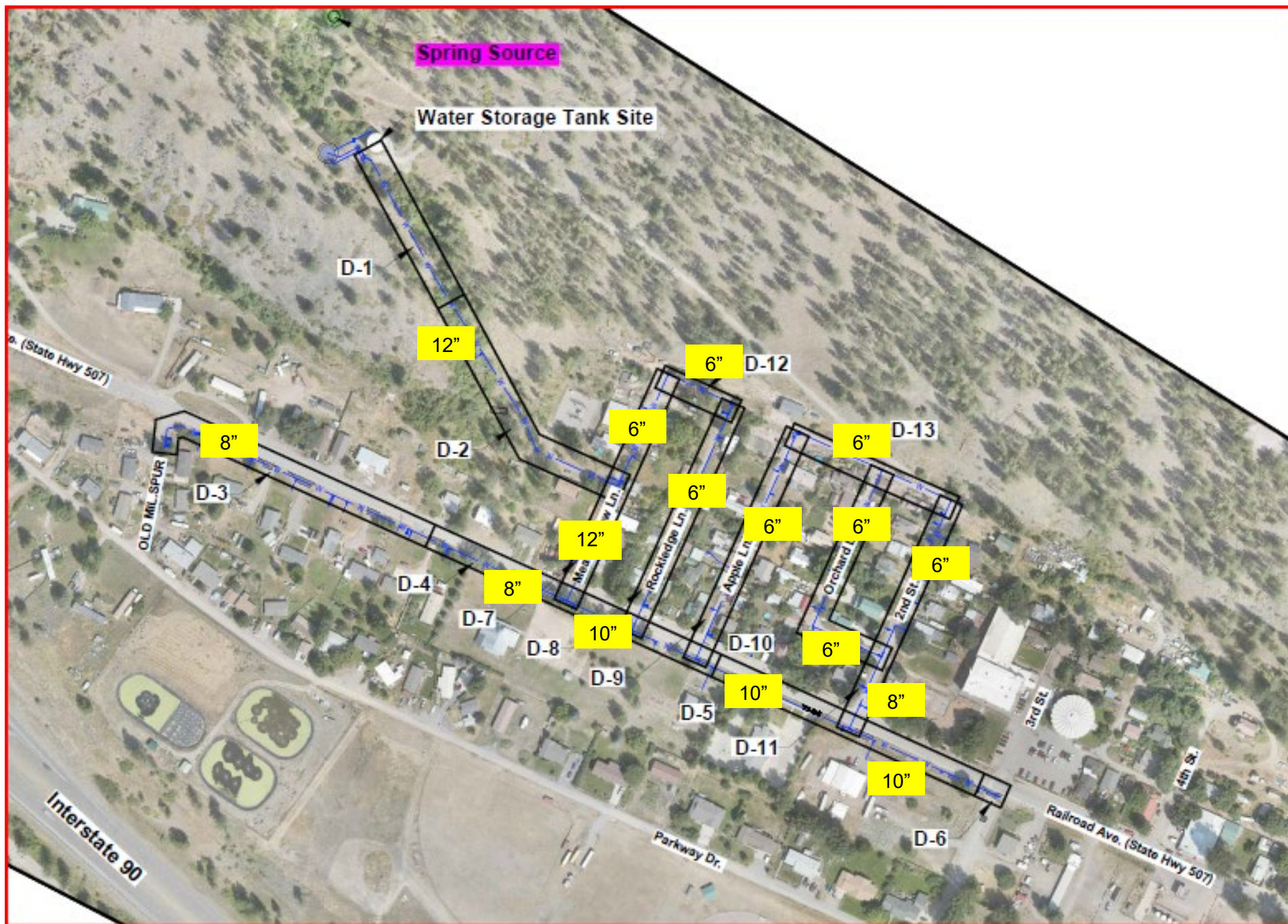


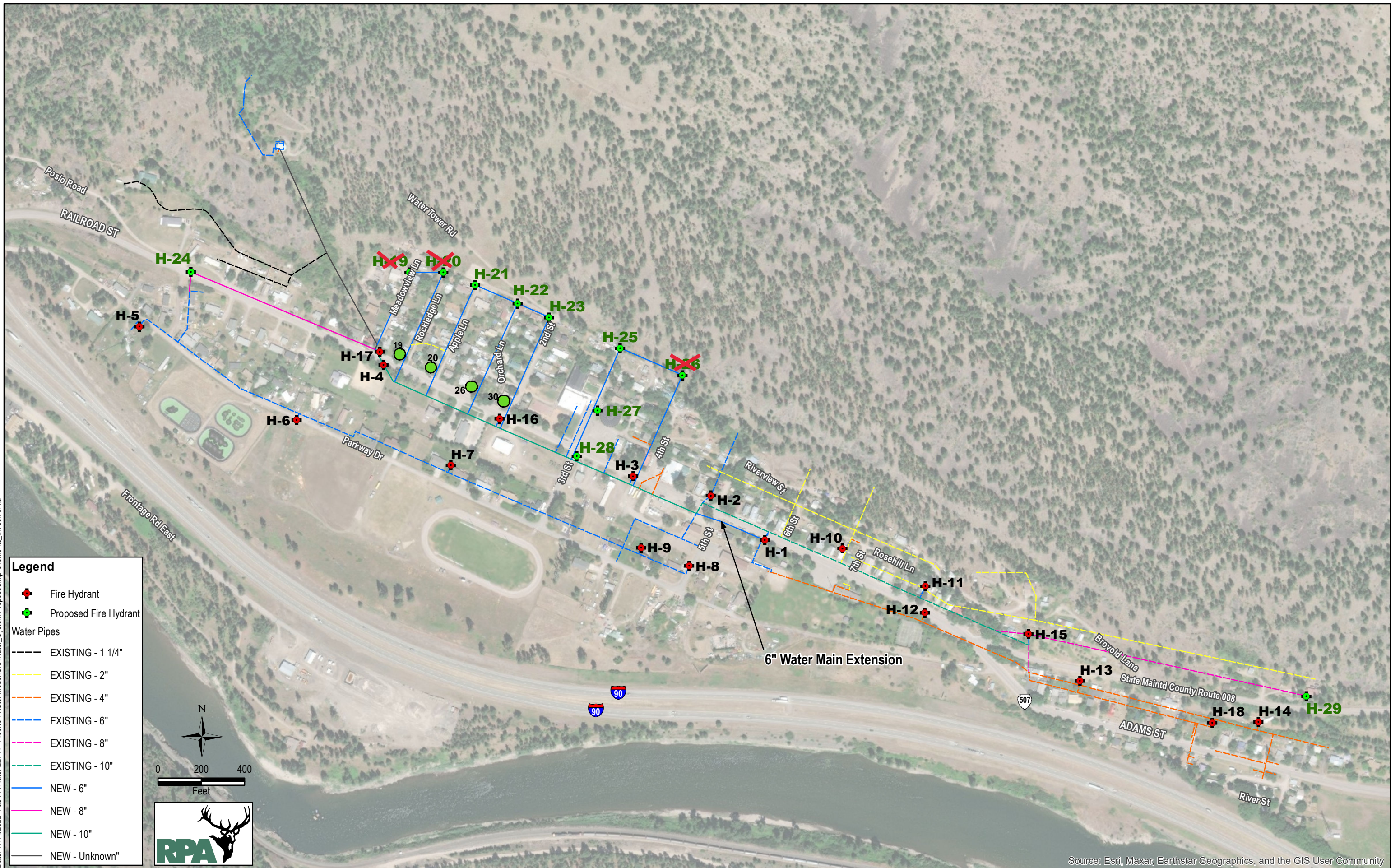
Copyright © 2001-2019 McCrometer, Inc. All printed material should not be changed or altered without permission of McCrometer. Any published pricing, technical data, and instructions are subject to change without notice. Contact your McCrometer representative for current pricing, technical data, and instructions.

3255 WEST STETSON AVENUE • HEMET, CALIFORNIA 92545 USA
TEL: 951-652-6811 • 800-220-2279 • FAX: 951-652-3078
www.mccrometer.com



Question 34





From: [Dalglish, Alex](#)
To: [Christina Eggensperger](#)
Cc: [Pat Thomson](#)
Subject: RE: Alberton
Date: Thursday, January 15, 2026 1:48:00 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)

Hey Christina,

No, we have not received the \$700 payment for the Application fee.



Alex Dalglish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C
DESK: 406-542-5886 **EMAIL:** alexander.dalglish@mt.gov
[Website](#) | [Facebook](#) | [X \(Twitter\)](#) | [Instagram](#)
How did we do? Let us know here: [Feedback Survey](#)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>
Sent: Thursday, January 15, 2026 8:54 AM
To: Dalglish, Alex <Alexander.Dalglish@mt.gov>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: [EXTERNAL] RE: Alberton

Hi Alex,

Attached is the Form 600 with the signature page completed by the Town of Alberton. The Town said they would be paying over the phone – have you received payment from them.

Christina Eggensperger, P.E., MS
ceggensperger@waterenvtech.com
406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dalglish, Alex <Alexander.Dalglish@mt.gov>

Sent: Tuesday, December 23, 2025 8:38 AM

To: Christina Eggensperger <ceggensperger@waterenvtech.com>

Cc: Pat Thomson <pthomson@waterenvtech.com>

Subject: RE: Alberton

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Hey Christina,

Thanks for sending the Permit. After a quick look over, the form is not signed. The Department cannot accept an unsigned permit. It can be electronically signed by the Applicant as long as the signature is e-verified. Otherwise, we will need the original inked signature page.

Also, we cannot accept the Permit without the filing fee. Since we had a preapplication meeting and this proposal is outside of a Basin Closure Area, the Applicant qualifies for a discounted filing fee of \$1200. Please let me know if someone paid over the phone with a credit card.

Aside from the signature and filing fee issues, you do not need to submit a physical copy of the permit to our office. An emailed copy is sufficient.

Please reach out with any other questions.

Best,



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov

[Website](#) | [Facebook \[facebook.com\]](#) | [X \(Twitter \[twitter.com\]\)](#) | [Instagram \[instagram.com\]](#)

How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](https://forms.office.com)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>

Sent: Monday, December 22, 2025 3:47 PM

To: Dagleish, Alex <Alexander.Dagleish@mt.gov>

Cc: Pat Thomson <pthomson@waterenvtech.com>

Subject: [EXTERNAL] RE: Alberton

Hi Alex,

Attached, please find the updated form 600. Do we need to submit onto any other platform?

Christina Eggensperger, P.E., MS

ceggensperger@waterenvtech.com

406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dalglish, Alex <Alexander.Dalglish@mt.gov>

Sent: Monday, November 10, 2025 4:32 PM

To: Christina Eggensperger <ceggensperger@waterenvtech.com>

Subject: RE: Alberton

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

There is an Adequate Means of Diversion and Operation section of the Application Form (questions 32-36). The Department needs to understand how the system is operated, the infrastructure involved, and if it can deliver the requested flow rate. If you don't provide enough detail, we will request additional information through a deficiency letter.



Alex Dalglish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dalglish@mt.gov

Website | **Facebook** [facebook.com] | **X (Twitter)** [twitter.com] | **Instagram** [instagram.com]

How did we do? Let us know here: [Feedback Survey](https://forms.office.com) [forms.office.com]

From: Christina Eggensperger <ceggensperger@waterenvtech.com>

Sent: Monday, November 10, 2025 4:13 PM

To: Dalglish, Alex <Alexander.Dalglish@mt.gov>

Subject: [EXTERNAL] RE: Alberton

Hi Alex,

Thank you. We are also wondering about the depth of detail regarding the distribution system that needs to be included in the application?

Christina Eggensperger, P.E., MS

ceggensperger@waterenvtech.com

406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dalglish, Alex <Alexander.Dalglish@mt.gov>

Sent: Monday, November 10, 2025 4:10 PM

To: Christina Eggensperger <ceggensperger@waterenvtech.com>

Subject: RE: Alberton

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Hey Christina,

The Application submittal deadline is February 25, 2026. To pay the fee, you can call our office with the card information, and we enter it into they payment portal.



Alex Dalglish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dalglish@mt.gov

Website | **Facebook** [facebook.com] | **X (Twitter)** [twitter.com] | **Instagram** [instagram.com]

How did we do? Let us know here: [Feedback Survey](https://forms.office.com) [forms.office.com]

From: Christina Eggensperger <ceggensperger@waterenvtech.com>

Sent: Monday, November 10, 2025 11:37 AM

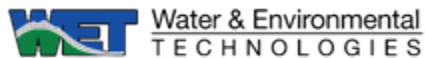
To: Dalglish, Alex <Alexander.Dalglish@mt.gov>

Subject: [EXTERNAL] Alberton

Hi Alex,

We are close to the final submittal but wanted to check in about paying the rest of the fee. Is Alberton able to log on to Okta and pay online like they did the last time?
Hope the fall is treating you well!

Christina



Christina Eggensperger, P.E., MS

Project Engineer / Grant Administrator

P: (406) 565-4358

C: (406) 531-9486

waterenvtech.com

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

[Book time with Christina Eggensperger \[outlook.office.com\]](mailto:Christina.Eggensperger@outlook.office.com)



[\[facebook.com\]](https://www.facebook.com)



[\[instagram.com\]](https://www.instagram.com)



[\[twitter.com\]](https://www.twitter.com)



[\[youtube.com\]](https://www.youtube.com)



[\[linkedin.com\]](https://www.linkedin.com)

Technical Analyses Report/ Scientific Credibility Review

- Departmental Technical Analyses Report/ Scientific Credibility Review
- Any correspondence relating to the Technical Analyses Report

Technical Analyses
Report /
Scientific Credibility
Review

GOVERNOR GREG GIANFORTE



DNRC DIRECTOR AMANDA KASTER

Missoula Water Resources Regional Office
PO Box 5004
2705 Spurgin Road, Bldg. C
Missoula, MT 59806-5004
(406) 721-4284

August 29, 2025

Town of Alberton
PO Box 115
Alberton, MT 59820-0115

Subject: Completed Technical Analyses Report for Beneficial Water Use Permit/ Preapplication
No. 76M 30165209

Dear Applicant,

As designated on the submitted Preapplication Meeting Form per §85-2-302(3)(b), MCA, the Department of Natural Resources and Conservation (DNRC or Department) has completed the technical analyses for Beneficial Water Use Permit Preapplication No. 76M 30165209 based on the information provided in your Preapplication Meeting Form accepted by the Department on 7/17/2025. The technical analyses can be found in the attached report.

This Technical Analyses Report **IS**: A collection of facts that the DNRC has gathered, including content provided in the Preapplication Meeting Form materials. The Department will use these data to analyze the criteria in §85-2-311, MCA if you submit an application for the project described in the completed Preapplication Meeting Form.

This Technical Analyses Report **IS NOT**: An analysis or discussion of whether the Preapplication Meeting Form as filed meets the criteria (§85-2-311, MCA).



You have 180 days to submit the Beneficial Water Use Permit Application Form 600 considering the information provided in the technical analyses and Preapplication Meeting Form. If the Application Form is not submitted to the Missoula Regional Office by February 25, 2026, a new preapplication meeting will be required to process the Application with expedited timelines (ARM 36.12.1302(6)(b)). If any details described in the submitted Application are changed from that of the submitted Preapplication Meeting Form, the discounted filing fee and expedited timelines will not apply (ARM 36.12.1302(6)(a)). Please note that the technical analyses will expire one year from the date of this letter (ARM 36.12.1302(8)).

Please let me know if you have any questions.

Sincerely,



Alex Dagleish
Water Resource Specialist
Missoula Regional Office
(406)-542-5886
Alexander.dagleish@mt.gov

CC:

Water & Environmental Technologies
c/o Christina Eggersperger
480 E Park St
Butte, MT 59701-1923





Groundwater Permit Technical Analyses Report- Developed Spring

Department of Natural Resources and Conservation (DNRC or Department)

Water Resources Division

Alex Dalglish, Water Conservation Specialist, Missoula Regional Office

Application No.	76M 30165209	Proposed Point of Diversion	Govt. Lot 1 (NWNENE) Sec. 3, T14N, R23W, Mineral County
Applicant	Town of Alberton		

Overview

This report analyzes data submitted by the Applicant in support of the above-mentioned water right application. This report provides technical analyses as required under the Administrative Rules of Montana (ARM) 36.12.1303 in support of the water rights criteria assessment as required in §85-2-311, Montana Code Annotated (MCA).

This Groundwater Permit Technical Analyses Report contains the following sections:

Groundwater Permit Technical Analyses Report- Developed Spring	1
Overview	1
1.0 Application Details	2
2.0 Physical Availability of the Developed Spring	3
2.1 Source Description	3
2.2 Method of Estimation	3
2.3 Monthly Flow Rate and Volume	3
3.0 Area of Potential Impact	5
Review	5
References	5



1.0 Application Details

The Town of Alberton (Applicant) proposes to divert water from January 1 to December 31 from a developed spring for municipal purposes, at a rate of 20 gallons per minute. The Applicant is not requesting any volume under this permit proposal, only additional flow rate to supplement Statement of Claim 76M 45355-00, which authorizes 50 gallons per minute (GPM) and 80.86 acre-feet (AF) for municipal purposes from the same source.

The municipal place of use is generally located in the NE of Section 3 and the NW, NE and SE of Section 2, all in T14N, R23W, Mineral County. This proposed place of use coincides with the existing place of use under statement of claim 76M 45355-00. This new water right permit will provide supplemental flow rate to the existing place of use. It will use the same water distribution and wastewater treatment system.

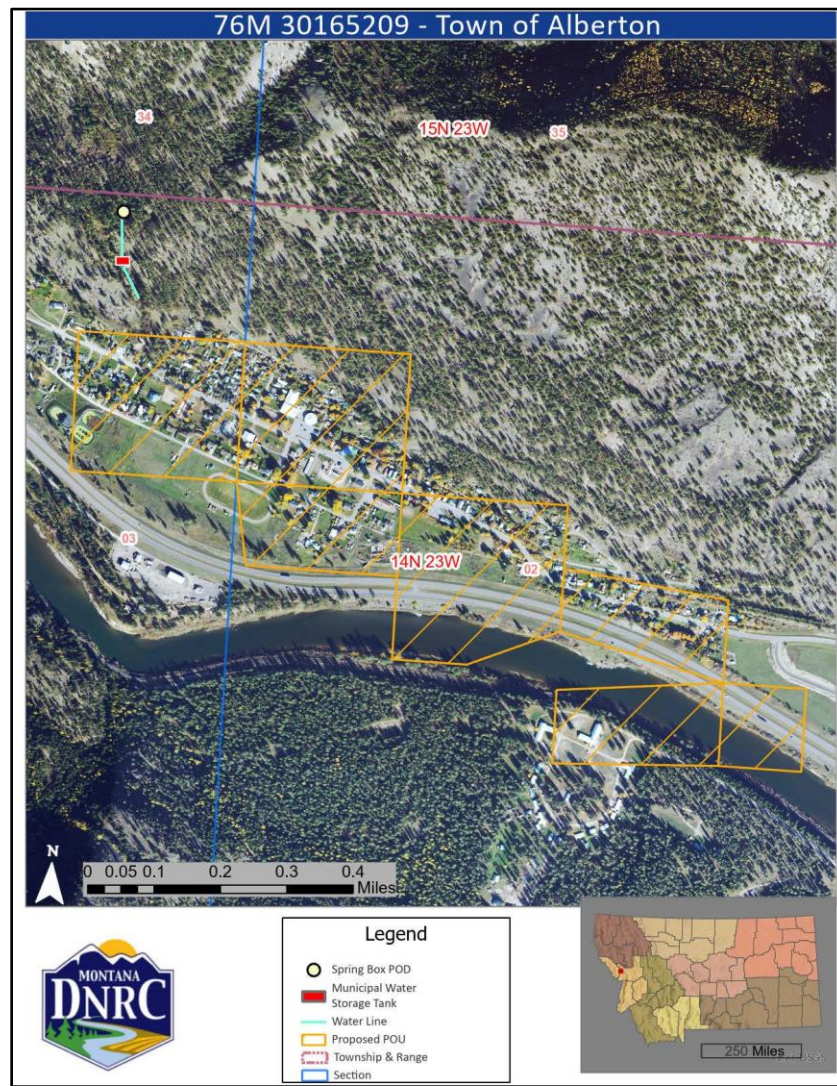


Figure 1: Map of the Applicant’s proposed POD on the source and proposed place of use.



2.0 Physical Availability of the Developed Spring

2.1 Source Description

Proposed Source of Water: Spring, unnamed tributary of the Clark Fork River

Proposed Source Type: Developed Spring

Proposed Point of Diversion: Govt. Lot 1 (referred to on preapplication form as NWNENE) Section 3, Township 14N, Range 23W, Mineral County, Montana.

2.2 Method of Estimation

Per ARM 36.12.1703(3), Physical availability of groundwater will be determined using the measurements in ARM 36.12.1703(1) for applications for groundwater from a developed spring. ARM 36.12.1703(1) states, “Applicants for groundwater from a developed spring must provide monthly flow measurements taken at regular intervals or at department approved intervals during the proposed period of diversion. Measurements must be submitted with all information and data necessary for department analysis. The department will determine the acceptability of measurements based on the information submitted. Electronically formatted records may be required. An applicant cannot receive a variance from the monthly measurement requirement for developed spring.”

Physical availability of the developed groundwater spring source was assessed using flow measurement data supplied by the Applicant. Data was collected every five minutes throughout the entire 2024 year using an Ultra Mag in-line flow meter. The flow measurements submitted included over 100,000 values within the dataset.

2.3 Monthly Flow Rate and Volume

Methodology: Due to the configuration of the water system and the location of the Ultra Mag flowmeter, some measurement values were not representative of the spring’s physical availability. This included values below 1 GPM and values above 67 GPM. To explain why, it is necessary to describe how the water system is configured. Based on a spring schematic diagram from the Applicant, groundwater is captured in three separate but interconnected collection structures. From the lowest structure, water is conveyed through a single pipeline to a shed where the Ultra Mag flow meter and altitude valve are located. Water then continues to a nearby above ground storage tank. When this tank is full, the altitude valve closes, resulting in low recorded measurements (i.e. below 1 GPM). Conversely, when the system is full and water is drawn out of the storage tank, the altitude valve opens, resulting in high recorded measurement data (i.e. above 67 GPM) due to considerable head pressure. After the pressure stabilizes, the altitude valve remains open and the Ultra Mag meter records steady flow rates. The Department determined that the Applicant’s measurements are acceptable for estimating physical availability on the source.



Those respective low and high values were not considered as part of the Department's physical availability analysis. From the submitted flow measurement data, two maximum measurements below 67 GPM from each month were identified as representing the physical availability of the spring (Table 1). Based on the highest values below 67 GPM that were recorded when the altitude valve was open, the spring physically supplies a maximum flow rate of 67.0 GPM. The Applicant is only requesting an additional flow rate under the proposed permit (no volume).

Table 1: Two maximum monthly values below 67 GPM from Applicant-submitted measurement data on the developed spring

Month	Flow Rate (GPM)
January	66.9
	66.9
February	66.7
	66.6
March	66.9
	66.9
April	66.7
	66.4
May	67.0
	66.9
June	65.9
	64.9
July	63.5
	62.5
August	64.1
	61.0
September	60.9
	60.4
October	65.9
	65.7
November	65.2
	65.1
December	65.8
	65.4



3.0 Area of Potential Impact

The spring point of diversion is approximately 0.4 miles from the Clark Fork River. Due to the nature of the source, the aquifer characteristics of the groundwater spring could not be determined. This spring is not considered to impact the Clark Fork River or its surface water rights due to the proposed appropriation consisting of additional flow rate only. There will be no new consumed volume associated with the proposed appropriation that would result in depletions to the Clark Fork River.

The area of potential impact extends to the developed spring source itself. The water right listed in Table 2 will be considered for potential impact since it also uses the developed spring as its point of diversion.

Table 2: Water rights considered for potential impact

Water Right	Priority	Flow Rate (GPM)	Volume (AF)
76M 45355 00	1/30/1923	50.0	80.86

Review

This document has been reviewed by the Department on August 11, 2025

References

DNRC Permit Application Manual dated February 25, 2025

Preapplication Materials

- Preapplication Meeting Request
- Preapplication Meeting Form
- All attachments
- All correspondence prior to application receipt

Preapplication Materials

From: [Christina Eggensperger](#)
To: [Dagleish, Alex](#)
Cc: [Pat Thomson](#)
Subject: [EXTERNAL] RE: Department Technical Analyses Deadline
Date: Thursday, July 31, 2025 11:36:58 AM
Attachments: [image001.png](#)

Hey Alex,

Thank you for the heads up! We look forward to hearing from you and the team. Have a great Thursday!

Christina Eggensperger
ceggensperger@waterenvtech.com
406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dagleish, Alex <Alexander.Dagleish@mt.gov>
Sent: Thursday, July 31, 2025 11:09 AM
To: Christina Eggensperger <ceggensperger@waterenvtech.com>
Cc: Pat Thomson <pthomson@waterenvtech.com>
Subject: Department Technical Analyses Deadline

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Hey Christina,

On July 17, the Department sent the Town of Alberton a letter (and CC'd you) stating that the preapplication materials were considered complete, and that the Department will now produce the technical analyses. I noticed a typo and wanted to bring it to your attention. The letter states that the Department will produce the technical analysis within 45 days of **6/16/2025**. This is incorrect. The Department has 45 days from the date of the letter (7/17/2025) which creates a deadline of 8/31/2025.

I wanted to bring this to your attention since 45 days from 6/16/2025 is today, 7/31/2025. The Department will send the technical analyses to the Town of Alberton and you by 8/31/2025.

Please let me know if you have any questions.

Thank you,



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov

[Website](#) | [Facebook](#) [facebook.com] | [X \(Twitter\)](#) [twitter.com] | [Instagram](#) [instagram.com]

How did we do? Let us know here: [Feedback Survey](https://forms.office.com) [forms.office.com]

GOVERNOR GREG GIANFORTE



DNRC DIRECTOR AMANDA KASTER

Missoula Water Resources Regional Office
PO Box 5004
2705 Spurgin Road, Bldg. C
Missoula, MT 59806-5004
(406) 721-4284

7/17/2025

Town of Alberton
PO Box 115
Alberton, MT 59820-0115

Subject: Complete Preapplication Form for Beneficial Water Use Permit Application No. 76M
30165209

Dear Applicant,

The Missoula Regional Office of the Department of Natural Resources and Conservation (DNRC or Department) received all the completed Preapplication Meeting materials (adequate follow up information, completed form and associated fee) on 7/16/2025, and the Department deemed the submitted Preapplication Meeting Form to be successfully completed per ARM 36.12.1302 on 7/17/2025.

As designated on the submitted Preapplication Meeting Form per § 85-2-302(3)(b), MCA, the Department will produce the technical analyses based on the parameters included in the Preapplication Meeting Form (ARM 36.12.1302(4)) within 45 days of 6/16/2025.

Please let me know if you have any questions.

Best,

A handwritten signature in black ink, appearing to read "Amanda Kaster", is written over a light blue circular background.



Alex Dagleish
Water Resource Specialist
Missoula Regional Office
(406)-542-5886
Alexander.dagleish@mt.gov

CC:

Water & Environmental Technologies
c/o Christina Eggensperger
480 E Park St
Butte, MT 59701-1923



From: [Christina Eggensperger](#)
To: [Dagleish, Alex](#); [Pat Thomson](#)
Subject: [EXTERNAL] RE: Alberton
Date: Wednesday, July 16, 2025 4:00:42 PM
Attachments: [image001.png](#)

Oh wonderful!! Thank you for letting us know Alex!

Christina Eggensperger
ceggensperger@waterenvtech.com
406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dagleish, Alex <Alexander.Dagleish@mt.gov>
Sent: Wednesday, July 16, 2025 3:41 PM
To: Christina Eggensperger <ceggensperger@waterenvtech.com>; Pat Thomson <pthomson@waterenvtech.com>
Subject: RE: Alberton

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Hey,

A woman from the Town of Alberton just dropped the follow up signature page at our office. I believe her name was Nancy.

We will send out a letter tomorrow notifying you and the town that the follow up information was accepted and we will now begin our 45 day period for completing the technical analysis.



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov

[Website](#) | [Facebook](#) [facebook.com] | [X \(Twitter\)](#) [twitter.com] | [Instagram](#) [instagram.com]

How did we do? Let us know here: [Feedback Survey](#) [forms.office.com]

From: Christina Eggensperger <ceggensperger@waterenvtech.com>
Sent: Wednesday, July 16, 2025 3:20 PM
To: Dalgleish, Alex <Alexander.Dalgleish@mt.gov>; Pat Thomson <pthomson@waterenvtech.com>
Subject: [EXTERNAL] RE: Alberton

Hi Alex,

The town should be getting the signed certificate to me in the next day or two, we will definitely have it to you by Friday! Thank you for the reminders!

Christina Eggensperger
ceggensperger@waterenvtech.com
406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dalgleish, Alex <Alexander.Dalgleish@mt.gov>
Sent: Monday, July 14, 2025 3:54 PM
To: Christina Eggensperger <ceggensperger@waterenvtech.com>; Pat Thomson <pthomson@waterenvtech.com>
Subject: RE: Alberton

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Hey Christina and Pat,

When we last spoke on June 30 about the flow data that you submitted for the Town of Alberton permit application, I also mentioned that the Department was still waiting on the follow up signature page from the Applicant. This is the last follow up document needed and as of this morning, our office has still not received it. I know you've been trying to work with them to get the signature page to us.

We held the preapplication meeting on 1/21/2025 and the 180-day deadline for all follow up information is this Sunday 7/20. The Department must receive the signature page by the deadline. Because the deadline falls on Sunday, we need to receive the signature page by the end of day this Friday the 18th.

Thank you,



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov

[Website](#) | [Facebook \[facebook.com\]](#) | [X \(Twitter \[twitter.com\]\)](#) | [Instagram \[instagram.com\]](#)

How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](#)

From: Dagleish, Alex

Sent: Wednesday, June 25, 2025 9:12 AM

To: Christina Eggensperger <ceggensperger@waterenvtech.com>

Subject: RE: Alberton

Ok sounds good.



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov

[Website](#) | [Facebook \[facebook.com\]](#) | [X \(Twitter \[twitter.com\]\)](#) | [Instagram \[instagram.com\]](#)

How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](#)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>

Sent: Wednesday, June 25, 2025 8:54 AM

To: Dagleish, Alex <Alexander.Dagleish@mt.gov>

Subject: [EXTERNAL] RE: Alberton

Hi Alex,

After sending that I am thinking we should get Pat on the phone as well in case there is anything we need him to answer. It looks like he is out at the moment, let me check his schedule and see when he will be back.

Christina Eggensperger

ceggensperger@waterenvtech.com

406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dalgleish, Alex <Alexander.Dalgleish@mt.gov>

Sent: Wednesday, June 25, 2025 8:34 AM

To: Christina Eggensperger <ceggensperger@waterenvtech.com>

Subject: RE: Alberton

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Yes, please feel free to call me anytime this morning.



Alex Dalgleish | Water Conservation Specialist II

Water Resources Division, Missoula Regional Office

Montana Department of Natural Resources and Conservation

2705 Spurgin Road, Bldg C

DESK: 406-542-5886 **EMAIL:** alexander.dalgleish@mt.gov

[Website](#) | [Facebook \[facebook.com\]](#) | [X \(Twitter \[twitter.com\]\)](#) | [Instagram \[instagram.com\]](#)

How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](#)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>

Sent: Tuesday, June 24, 2025 6:40 PM

To: Dalgleish, Alex <Alexander.Dalgleish@mt.gov>

Subject: [EXTERNAL] Alberton

Hi Alex,

Sorry just responding to you now! I was in the field and then off last Friday. Would you have time for a phone call tomorrow (Wednesday) morning? Thank you!

Christina Eggensperger, MS, EIT

Project Engineer

406-531-9486

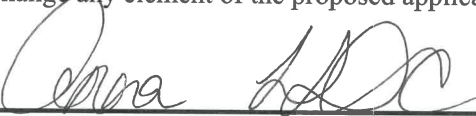
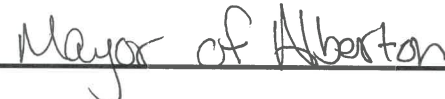
RECEIVED

JUL 16 2025

FOLLOW-UP PAGE AFFIDAVIT & CERTIFICATION

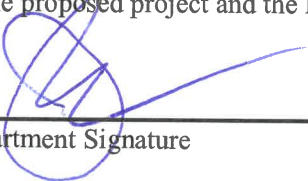
MONTANA D.N.R.C
MISSOULA REGIONAL OFFICE

"I/we attest that this preapplication meeting form, follow-up page, and amended responses page accurately portray my proposed project. I am aware that my application for this project will not qualify for a discounted filing fee and expedited timelines if upon submittal of the application to the department, I change any element of the proposed application from the preapplication meeting form and follow-up materials (ARM 36.12.1302(6)(a))."

  7/16/25
Applicant Signature Date

Applicant Signature Date

"We confirm that the preapplication form and follow-up information are adequate for the Department to proceed with technical analyses in ARM 36.12.1303. Or, if the applicant has elected to complete technical analyses, we confirm they have submitted each piece of technical analysis required based on the proposed project and the Department is able to proceed with the scientific credibility review (ARM 36.12.1303(8))."

 7/16/25
Department Signature Date

Department Signature Date





**PREAPPLICATION MEETING FORM
PERMIT**
§ 85-2-302
Form No. 600P (Revised 4/2024)

For Department Use Only

Application # 30165209 Basin 76M
Meeting Date 1/21/2025 Time 2:45 ☒ AM ☐ PM
Completed Form Deadline 07/20/2025

PREAPPLICATION MEETING FEE
\$ 500

FILING FEE REDUCTION & EXPEDITED TIMELINE

An application will be eligible for a filing fee reduction and expedited timelines if the applicant completes a preapplication meeting with the Department (ARM 36.12.1302(1)), which includes submitting any follow-up information identified by the Department (ARM 36.12.1302(3)(c)) and receiving either Department-completed technical analyses or Department review of applicant-submitted technical analyses (ARM 36.12.1302(4) and (5)). An application for the proposed project also must be submitted within 180 days of delivery of Department technical analyses or scientific credibility review and no element on the submitted application can be changed from the completed preapplication meeting form (ARM 36.12.1302(6)).

RECEIVED**JAN 21 2025**

**MONTANA D.N.R.C
MISSOULA REGIONAL OFFICE**

Completed Form Received 7/16/2025
Fee Rec'd \$ \$500.00 Check # 10937
Deposit Receipt # MSS2600914
Payor Anderson-Montgomery Consulting Engineers Inc.
Refund \$ _____ Date _____

The Department will fill out Form No. 600P and will identify follow-up during the preapplication meeting. The Department and Applicant will sign the Preapplication Meeting Affidavit and Certification within five business days. Within 180 days of the preapplication meeting, the Applicant will complete identified follow-up on a separate document with the question numbers clearly labeled.

Applicant Information: Add more as necessary.

Applicant Name Town of Alberton
Mailing Address PO Box 115 City Alberton State MT Zip 59820
Phone Numbers: Home _____ Work _____ Cell _____
Email Address _____

Applicant Name _____
Mailing Address _____ City _____ State _____ Zip _____
Phone Numbers: Home _____ Work _____ Cell _____
Email Address _____

Contact/Representative Information: Add more as necessary.

Contact/Representative is: ☐ Applicant ☒ Consultant ☐ Attorney ☐ Other (describe) _____
Contact/Representative Name Pat Thomson, Christina Eggensperger
Mailing Address 480 East Park Street City Butte State MT Zip 59701
Phone Numbers: Home _____ Work _____ Cell 406-782-5220
Email Address ceggensperger@waterenvtech.com

NOTE: If a contact person is identified as an attorney, all communication will be sent only to the attorney unless the attorney provides written instruction to the contrary. If a contact person is identified as a consultant, employee, or lessee, the individual filing the water right form or objection form will receive all correspondence and a copy may be sent to the contact person.

Meeting Attendees: Add more as necessary.

Name	Organization	Position
Pat Thompson	WET	Senior Hydrogeologist
Christina Eggensperger	WET	Project Manager
Jim Nave	DNRC	Regional Manager
Alex Dalgleish	DNRC	Water Resources Specialist
Benjamin Thomas	DNRC	Water Resources Specialist

Table of Contents

Application Details	3
Surface Water.....	6
Surface Water: Physical Availability	6
Surface Water: Physical Availability: Perennial or Intermittent.....	6
Surface Water: Physical Availability: Ephemeral.....	10
Surface Water: Physical Availability: Lakes	11
Surface Water: Physical Availability: Other	11
Surface Water: Identification of Legal Demands in Area of Potential Impact	12
Surface Water: Basin Closure Area	12
Groundwater	13
Groundwater: Physical Availability.....	13
Groundwater: Physical Availability: Well/Pit.....	13
Groundwater: Physical Availability: Developed Spring	14
Groundwater: Physical Availability: Ponds	15
Groundwater: Identification of Groundwater Legal Demands	15
Groundwater: Adverse Effect to Existing Groundwater Rights.....	15
Groundwater: Physical Availability of Depleted Surface Water Source(s).....	15
Groundwater: Legal Availability of Depleted Surface Water Source(s)	19
Groundwater: Adequacy of Diversion	19
Groundwater: Basin Closure Area	20
Project-Specific Questions.....	21
Project-Specific Questions: Controlled Groundwater Areas and Basin Closures.....	21
Project-Specific Questions: Place of Storage.....	23
Project-Specific Questions: Ditch-Specific Questions.....	23
Project-Specific Questions: Water Marketing	25
Non-Mandatory Questions for Criteria Analysis	26
Adverse Effect	26
Adequate Diversion Means and Operation	26
Beneficial Use.....	28
Possessory Interest.....	29
PREAPPLICATION MEETING AFFIDAVIT & CERTIFICATION.....	30
FOLLOW-UP PAGE	31
AMENDED RESPONSES PAGE	32
FOLLOW-UP PAGE AFFIDAVIT & CERTIFICATION.....	33

Application Details

The following questions are mandatory and must be filled out before the Preapplication Meeting Form is determined to be complete. Narrative responses that are larger than the space provided can be answered in an attachment. If an attachment is used, mark the see attachment ("A") checkbox on this form and label the attachment with the question number. Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Label units in narrative responses. Responses in the form of a table may be entered into the table provided on this form or in an attachment. Responses in the form of a table that are larger than the table provided on this form should be placed in an attachment. If an attachment is used, the table must have the exact headings found on this form, and the see attachment ("A") checkbox must be marked. For tables in this form, circle correct unit at header of column when faced with a choice of units. For tables in attachments, label all units. Questions that require Applicant to submit items to the Department have a submitted ("S") checkbox, which is marked when the required item is attached to the Preapplication Meeting Form. Label all submitted items with the question number for which they were submitted. For all questions where follow-up is necessary, mark the "F" checkbox in the "Follow-Up" column and write the question number on the "Follow-Up Page".

Questions, Narrative Responses, and Tables					<u>Check-boxes</u>	<u>Follow-Up</u>
1. Do you elect to have DNRC conduct Technical Analyses?					☒ Y ☐ N	☐ F
2. Provide a map created on an aerial photograph or topographic map that shows the following: section corners, township and range, a north arrow, all proposed points of diversion labeled with a unique POD ID number, all proposed places of use, all proposed conveyance structures, all proposed places of storage, and places of use for all overlapping water rights.					☐ S	☒ F
3. Is the project located in a Controlled Groundwater Area or Basin Closure Area? If yes, immediately go to Project-Specific Questions 47 to 52 because Form 600 may be the incorrect form, or this project may not meet the requirements for the Department to accept a Form 600.					☐ Y ☒ N	☐ F
4. Is the proposed use temporary?					☐ Y ☒ N	☐ F
a. If yes, when will the appropriation cease? _____					☐ A	☐ F
5. Describe the proposed purpose information, including period of diversion (MM/DD-MM/DD), period of use (MM/DD-MM/DD), flow rate (GPM or CFS) and volume (AF).					☐ A	☐ F

Purpose	Period of Diversion	Period of Use	Flow Rate			Volume
	(MM/DD-MM/DD)	(MM/DD-MM/DD)	Flow Rate	GPM	CFS	
Municipal	01/01-12-31	01/01-12/31	20	☒	☐	
				☐	☐	
				☐	☐	
				☐	☐	
Total			20	☒	☐	



6. Describe the proposed location of the point(s) diversion to the nearest 10 acres, if source is groundwater (GW) or surface water (SW), source name, and means of diversion (e.g., pump, headgate, well). Label each POD with the POD ID number used for the project map (question 2).	☐ A	☐ F
--	----------------------------	----------------------------

POD #	¼	¼	¼	Sec	Twp	Rge	County	Lot	Block	Tract	Subdivision	Gov Lot	SW or GW	Source Name	Means
1	NW	NE	NE	3	14N	23W	Mineral					1	GW	Spring, Unnamed Tributary of Clark Fork Riv	Headgate

7. What are the geocodes of the place of use?	☐ A	☐ F
---	----------------------------	----------------------------

8. Describe the legal land description for the proposed place of use and, if an irrigation or lawn and garden purpose, list the number of irrigated acres.	☒ A	☐ F
--	---------------------------------------	----------------------------

Acres	Gov't Lot	Block	¼	¼	¼	Sec	Twps	Rge	County
			S2	NE	NE	3	14N	23W	Mineral
			S2	NW	NW	2	14N	23W	Mineral
			N2	SW	NW	2	14N	23W	Mineral
				SE	NW	2	14N	23W	Mineral
			S2	SW	NE	2	14N	23W	Mineral
			N2	NW	SE	2	14N	23W	Mineral
			NW	NE	SE	2	14N	23W	Mineral
	Total								

9. Will other water right(s) supplement or overlap the place of use to contribute to the purpose(s)?	☒ Y ☐ N	☐ F
a. If yes, summarize how the water rights will be operated as a whole to serve the purpose(s). Existing statement of claim 76M 45355 00. Using the same water distribution and wastewater treatment as Statement of claim Domestic water use and irrigation. This proposed permit will be utilized to increase flow rate diverted from the spring. No additional volume will be required. Volume under 76M 45355 00 is sufficient for the town's needs.	☐ A	☐ F



10. For each supplemental or overlapping water right, please list the water right number, purpose, typical period of diversion and use (MM/DD-MM/DD), flow rate (GPM or CFS), and the volume of water (AF) contributed.					☐ A	☐ F
Water Right No.	Avg. Period of Diversion (MM/DD-MM/DD)	Avg. Period of Use (MM/DD-MM/DD)	Flow Rate (GPM or CFS)	Volume Contributed (AF)		
76M 45355-00	01/01-12/31	01/01-12/31		80.86		
76M 13904-00	01/01-12/31	06/01-09/30		161.00		

11. Will this application supplement contract water from a Federal Project, ditch company, or other source?	☐ Y ☒ N	☐ F
a. If yes, explain. 	☐ A	☐ F
12. Does the project involve one or more place(s) of storage with a capacity of greater than 0.1 acre-feet? This does not include storage tanks and cisterns. If yes, answer questions 53 to 61 for place of storage.	☐ Y ☒ N	☐ F
13. Does the project involve one or more conveyance ditches? If yes, answer questions 62 to 64 for ditch-specific questions.	☐ Y ☒ N	☐ F
14. Does the project involve an appropriation that is greater than 5.5 CFS and 4,000 AF? If yes, you must submit a Criteria Addendum Application for Beneficial Water Use Permit for Appropriations Greater than 5.5 CFS and 4,000 AC-FT (Form 600-B) with application submittal. The criteria are found in §85-2-311(3), MCA.	☐ Y ☒ N	☐ F
15. Will you be transporting water for use outside of Montana? If yes, you will need submit an Out-of-State Use Addendum (Form 600/606-OSA) with the application. The out-of-state use criteria are outlined in §85-2-402(6), MCA.	☐ Y ☒ N	☐ F
16. Does the project include the water marketing purpose? If yes, answer questions 65 to 71 for water marketing. A Water Marketing Purpose Addendum (Form 600/606-WMA) will be required with application submittal.	☐ Y ☒ N	☐ F
17. Is the project located in designated sage grouse habitat? If yes, you must have a consultation with and review of your project by the Montana Sage Grouse Habitat Conservation Program. The review letter will be required at application submittal.	☐ Y ☒ N	☐ F



Surface Water

☐ **Applicable**, move on to question 18. ☒ **Not Applicable**, skip to question 29.

The following questions are mandatory for surface water permit applications and must be filled out before the Preapplication Meeting Form is determined to be complete.

Surface Water: Physical Availability

Questions, Narrative Responses, and Tables						<u>Check-boxes</u>	<u>Follow-Up</u>
18. What is the flow rate (GPM or CFS), volume (AF), period of diversion start date and end date (MM/DD-MM/DD), and source type (e.g., perennial, ephemeral) at each point of diversion? Use the same POD # as the project map (question 2) to label each point of diversion.						☐ A	☐ F
POD #	Flow Rate (GPM or CFS)	Volume (AF)	Period Start (MM/DD)	Period End (MM/DD)	Source Type		
1	20 GPM	0	01/01	12/31	Groundwater		

19. What is the source type of the surface water diversion? <u>perennial groundwater developed spring</u>						☐ A	☐ F
Perennial or intermittent	Answer question 20	Ephemeral	Answer questions 22 to 24	Lakes	Answer question 25	Other	Answer question 26
		☐		☐		☐	

Surface Water: Physical Availability: Perennial or Intermittent

☐ Applicable ☐ Not Applicable

20. Is stream gage data available?	☐ Y ☒ N	☐ F
a. If yes, answer the following questions related to the number of stream gages that are available.		
i. One stream gage is available		
1. What is the gage name?		☐ F



2. Who operates and maintains the gage? _____		☐ F
3. Is the stream gage upstream or downstream of point(s) of diversion? _____		☐ F
4. Is there a limiting or controlling factor that would make the Drainage Area Method not practical? This includes dams that control the flow and streams with large gaining and/or losing reaches. If you have questions about this, please contact the Regional Hydro-Specialist or the Water Sciences Bureau.	☐ Y ☐ N	☐ F
5. Is the period of record greater than or equal to 10 years?	☐ Y ☐ N	☐ F
6. How frequently is stage data recorded? _____		☐ F
7. If data gaps were to occur, are they identified and left unfilled or estimated using interpolation, ice correction, or indirect discharge measurements methods?	☐ Y ☐ N	☐ F
8. Was the rating curve established and maintained throughout the duration of the period of record using measurements taken near the reference gage and stage recorder according to USGS protocols?	☐ Y ☐ N	☐ F
9. Were there requirements for maintaining a permanent gage datum and meeting specified accuracy limits?	☐ Y ☐ N	☐ F
10. Does the gage data meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion?	☐ Y ☐ N	☐ F
a. If yes, this section is complete. Skip to question 27.		
b. If no, answer question 20.b.		
ii. More than one stream gage is available		
1. List the gage names. _____		☐ F
2. Who operates and maintains the gages? _____		☐ F
3. Is one stream gage upstream and one downstream of point(s) of diversion?	☐ Y ☐ N	☐ F
4. Do the stream gages have similar periods of record?	☐ Y ☐ N	☐ F
5. Are the periods of record each greater than or equal to 10 years?	☐ Y ☐ N	☐ F



6. How frequently is stage data recorded at each gage? _____		☐ F
7. For each gage, if data gaps were to occur, are they identified and left unfilled or estimated using interpolation, ice correction, or indirect discharge measurements methods?	☐ Y ☐ N	☐ F
8. Were the rating curves established and maintained throughout the duration of the period of record using measurements taken near the reference gages and stage recorders according to USGS protocols?	☐ Y ☐ N	☐ F
9. For each gage, were there requirements for maintaining a permanent gage datum and meeting specified accuracy limits?	☐ Y ☐ N	☐ F
10. Does the gage data meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion?	☐ Y ☐ N	☐ F
a. If yes, this section is complete. Skip to question 27.		
b. If no, answer question 20.b.		
b. If no gage data is available or if available gage data does not meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion, is the source otherwise measured?	☒ Y ☐ N	☐ F
i. If yes,		
1. Submit available measurements to the Department. submit with Pre app form	☐ S	☒ F
2. Who collected the measurements? City of Alberton _____	☐ A	☐ F
3. With what method was the data collected? In line flow meter with valve to tank. _____ _____	☐ A	☐ F
4. What is the period of record? three years from 2020 _____		☐ F
5. What is the frequency of measurement? every 5 minutes _____		☐ F
6. Are there gaps in the data?	☒ Y ☐ N	☐ F



a. If yes, what is the nature of the gaps and how are gaps handled to ensure data quality? The flow meter was malfunctioning causing gaps, but there is an abundance of collected data. The period of record is sufficient to cover gaps.	☐ A	☐ F
7. Is there a process for maintaining the data and meeting specified accuracy limits?	☐ Y ☐ N	☒ F
a. If yes, explain. City of Alberton has database. Specs, calibrations and or maintenance records for the meter will be obtained and provided	☐ A	☐ F
8. Does available measurement data meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion?	☒ Y ☐ N	☐ F
a. If yes, this section is complete. Skip to question 27.		
b. If no, answer question 21.		
21. Does the available measurement data, gage and/or otherwise measured, meet the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a department-accepted estimation technique?	☐ Y ☐ N	☐ F
a. If yes, describe the estimation technique.	☐ A	☐ F
b. If no,		
i. Will measurements be collected prior to submission of a completed Form No. 600P that meet the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a department-accepted estimation technique?	☐ Y ☐ N	☐ F
1. If yes,		
a. With what method will the data be collected?	☐ A	☐ F



b. What will be the interval of measurement? _____		☐ F
c. Describe the proposed estimation technique. _____ _____ _____ _____	☐ A	☐ F
2. If no,		
a. Describe your plan to comply with the requirements of ARM 36.12.1702(1). _____ _____ _____	☐ A	☐ F
b. Do you plan on requesting a variance from measurement requirements pursuant to ARM 36.12.1702(1)(b)?	☐ Y ☐ N	☐ F

Surface Water: Physical Availability: Ephemeral

☐ Applicable ☒ Not Applicable

22. If you will conduct Technical Analyses, what is your plan to calculate mean annual runoff? If DNRC will conduct Technical Analyses, write N/A. _____ _____	☐ A	☐ F
23. Where do you plan to obtain climate and drainage area data? _____ _____	☐ A	☐ F
24. Where is the downstream point of diversion, which will be used to delineate the drainage basin? _____	☐ A	☐ F



Surface Water: Physical Availability: Lakes☐ Applicable ☒ Not Applicable

25. Do you have a design plan?	☐ Y ☐ N	☐ F
a. If yes, provide the design plans to DNRC	☐ S	☐ F
b. If no, has the lake volume been quantified by a qualified entity based on bathymetric data?	☐ Y ☐ N	☐ F
i. If yes, provide this information to DNRC.	☐ S	☐ F
ii. If no, answer the following questions,		
1. When do you plan to collect this information? _____		☐ F
2. With what method will it be collected? _____ _____	☐ A	☐ F

Surface Water: Physical Availability: Other☐ Applicable ☒ Not Applicable

26. Have you measured the source?	☐ Y ☐ N	☐ F
a. If yes, answer the following questions,		
i. With what method was the data collected? _____ _____	☐ A	☐ F
ii. What is the measurement interval? _____		☐ F
1. Does the interval meet the requirements of 36.12.1702(4)?	☐ Y ☐ N	☐ F
b. If no or if the measurement interval does not meet the requirements of 36.12.1702(4)		
i. When do you plan to measure? _____		☐ F
ii. With what method will the measurements be collected? _____ _____ _____	☐ A	☐ F



Surface Water: Identification of Legal Demands in Area of Potential Impact

27. If you are conducting Technical Analysis, how will the Area of Potential Impact be defined? If Department is conducting Technical Analyses, write N/A. N/A	☐ A	☐ F
--	----------------------------	----------------------------

Surface Water: Basin Closure Area

28. Is the project located in a Basin Closure Area? If yes, explain how the project meets a closure exception. More information about basin closures online at: https://dnrc.mt.gov/Water-Resources/Water-Rights/Basin-Closures-Stream-Depletion-Controlled-Ground-Water-Areas. Answer the follow-up questions for specific Basin Closure Areas in the “Project-Specific Questions: Controlled Groundwater Areas and Basin Closures” section (questions 51 to 52).	☐ Y ☒ N	☐ F
--	--	----------------------------



Groundwater

☒ **Applicable**, move on to question 29. ☐ **Not Applicable**, skip to question 47.

The following questions are mandatory for groundwater permit applications and must be filled out before the Preapplication Meeting Form is determined to be complete.

<u>Questions, Narrative Responses, and Tables</u>	<u>Check-boxes</u>	<u>Follow-Up</u>
--	---------------------------	-------------------------

Groundwater: Physical Availability

29. What is the type of groundwater diversion? <u>groundwater (spring) - headgate</u>					☐ A	☐ F
Well/Pit ☐	Answer questions 30 to 32	Developed Spring ☒	Answer question 33	Pond ☐	Answer questions 34 to 38	

Groundwater: Physical Availability: Well/Pit

☐ Applicable ☒ Not Applicable

30. Provide the Aquifer Testing Addendum (Form 600-ATA). This form will be required before the Preapplication Meeting Form is deemed complete.	☐ S	☐ F
31. Have you submitted a completed Form 633 to DNRC for review?	☐ Y ☐ N	☐ F
a. If no, submit Form 633 to DNRC for review. Form 633 is required by the time the Preapplication Meeting Form is deemed complete.	☐ S	☐ F
b. If yes, did the Department identify deficiencies?	☐ Y ☐ N	☐ F
i. If yes, are variances from ARM 36.12.121 needed?	☐ Y ☐ N	☐ F
1. If yes,		
a. Do you have data for aquifer characteristics?	☐ Y ☐ N	☐ F
i. If yes, provide the data to the Department.	☐ S	☐ F
b. Have you submitted Form 653 to the Department?	☐ Y ☐ N	☐ F
i. If yes, was the variance granted?	☐ Y ☐ N	☐ F
32. Do you have a map with the location of each well/pit labeled and, if available, with the GWIC ID?	☐ Y ☐ N	☐ F
a. If no, have all the wells/pits been constructed?	☐ Y ☐ N	☐ F



i. If yes, provide a map with the wells/pits labeled and, if available, with the GWIC ID. Create map on an aerial photograph or topographic map that also includes the following: section corners, township and range, and a north arrow.	☐ S	☐ F
ii. If no, answer the following questions,		
1. When will the wells/pits be constructed? _____		☐ F
2. Do you have an initial map with the proposed location of wells/pits?	☐ Y ☐ N	☐ F
a. If yes, provide an initial map to the Department. Create map on an aerial photograph or topographic map that also includes the following: section corners, township and range, and a north arrow.	☐ S	☐ F
3. Is the requested volume for each new well/pit known?	☐ Y ☐ N	☐ F
a. If no, what is the total requested volume (AF) and the number of new PODs? _____		☐ F

Groundwater: Physical Availability: Developed Spring

☒ Applicable ☐ Not Applicable

33. Have you measured the source?	☒ Y ☐ N	☐ F
a. If yes, answer the following questions,		
i. Do you have flow rate (GPM or CFS) and volume measurements?	☒ Y ☐ N	☐ F
ii. With what method were measurements collected? Flow meter _____ _____	☐ A	☐ F
iii. What is the interval of measurements? <u>every 5 minutes</u>		☐ F
iv. Is the interval of measurements sufficient to comply with ARM 36.12.1703(1)?	☒ Y ☐ N	☐ F
b. If no, or if measurements do not comply with ARM 36.12.1703(1),		
i. When do you plan to measure? _____		☐ F



ii. With what method and at what interval will measurements be collected? _____ _____	☐ A	☐ F
---	----------------------------	----------------------------

Groundwater: Physical Availability: Ponds

☐ Applicable ☒ Not Applicable

34. Have you submitted Form 653 to apply for a variance from ARM 36.12.121 for the Aquifer Test?	☐ Y ☐ N	☐ F
a. If yes, did the Department approve the variance request?	☐ Y ☐ N	☐ F
35. Have you submitted measurements to the Department? If yes, describe. _____	☐ Y ☐ N	☐ F
36. Submit pond bathymetry data, survey, or engineering plans to the Department.	☐ S	☐ F
37. Please submit a map identifying the location of the proposed pond to the Department. Create map on an aerial photograph or topographic map that also includes the following: section corners, township and range, and a north arrow.	☐ S	☐ F
38. If you are conducting Technical Analyses, what is your plan to determine depth, surface area, and net evaporation of the pond? If DNRC is conducting Technical Analyses, write N/A. _____ _____ _____	☐ A	☐ F

Groundwater: Identification of Groundwater Legal Demands

All information to calculated Zone of Influence was collected in previous questions.

Groundwater: Adverse Effect to Existing Groundwater Rights

All information to calculate One-Foot Drawdown Contour was collected in previous questions.

Groundwater: Physical Availability of Depleted Surface Water Source(s)

39. What are the hydraulically connected surface water source(s)? Clark Fork River _____		☐ F
40. For each hydraulically connected surface water source, is gage data available?	☒ Y ☐ N	☐ F
a. If yes, answer the following questions for the number of stream gages that are available.		



i. One stream gage is available		
1. What is the gage name? _____		☐ F
2. Who operates and maintains the gage? _____		☐ F
3. Is the stream gage upstream or downstream of point(s) of diversion? _____		☐ F
4. Is there a limiting or controlling factor that would make the Drainage Area Method not practical? This includes dams that control the flow and streams with large gaining and/or losing reaches. If you have questions about this, please contact the Regional Hydro-Specialist or the Water Sciences Bureau.	☐ Y ☐ N	☐ F
5. Is the period of record greater than or equal to 10 years?	☐ Y ☐ N	☐ F
6. How frequently is stage data recorded? _____		☐ F
7. If data gaps were to occur, are they identified and left unfilled or estimated using interpolation, ice correction, or indirect discharge measurements methods?	☐ Y ☐ N	☐ F
8. Was the rating curve established and maintained throughout the duration of the period of record using measurements taken near the reference gage and stage recorder according to USGS protocols?	☐ Y ☐ N	☐ F
9. Were there requirements for maintaining a permanent gage datum and meeting specified accuracy limits?	☐ Y ☐ N	☐ F
10. Does the gage data meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion?	☐ Y ☐ N	☐ F
a. If yes, this section is complete. Skip to question 42.		
b. If no, answer question 40.b.		
ii. More than one stream gage is available		
1. List the gage names. Clark Fork Below Missoula-12353000, Clark Fork River below Noxon Rapids Dam-12391400 _____		☐ F
2. Who operates and maintains the gages? USGS _____		☐ F
3. Is one stream gage upstream and one downstream of point(s) of diversion?	☒ Y ☐ N	☐ F



4. Do the stream gages have similar periods of record?	☒ Y ☐ N	☐ F
5. Are the periods of record each greater than or equal to 10 years?	☒ Y ☐ N	☐ F
6. How frequently is stage data recorded at each gage? Every 15 minutes		☐ F
7. For each gage, if data gaps were to occur, are they identified and left unfilled or estimated using interpolation, ice correction, or indirect discharge measurements methods?	☒ Y ☐ N	☐ F
8. Were the rating curves established and maintained throughout the duration of the period of record using measurements taken near the reference gages and stage recorders according to USGS protocols?	☒ Y ☐ N	☐ F
9. For each gage, were there requirements for maintaining a permanent gage datum and meeting specified accuracy limits?	☒ Y ☐ N	☐ F
10. Does the gage data meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion?	☒ Y ☐ N	☐ F
a. If yes, this section is complete. Skip to question 42.		
b. If no, answer question 40.b.		
b. If no gage data is available or if available gage data does not meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion, is the source otherwise measured?	☐ Y ☐ N	☐ F
i. If yes,		
1. Submit measurements to the Department.	☐ S	☐ F
2. Who collected the measurements? _____	☐ A	☐ F
3. With what method was the data collected? _____ _____	☐ A	☐ F
4. What is the period of record? _____		☐ F
5. What is the frequency of measurement? _____		☐ F
6. Are there gaps in the data?	☐ Y ☐ N	☐ F



a. If yes, what is the nature of the gaps and how are gaps handled to ensure data quality _____ _____ _____ _____	☐ A	☐ F
7. Is there a process for maintaining the data and meeting specified accuracy limits?	☐ Y ☐ N	☐ F
a. If yes, explain. _____ _____ _____ _____	☐ A	☐ F
8. Does available measurement data meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion?	☐ Y ☐ N	☐ F
a. If yes, this section is complete. Skip to question 42.		
b. If no, answer question 41.		
41. For each hydraulically connected surface water source, does the available measurement data, gage and/or otherwise measured, meet the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a department-accepted estimation technique?	☐ Y ☐ N	☐ F
a. If yes, describe the estimation technique. _____ _____ _____	☐ A	☐ F
b. If no,		
i. Will measurements be collected prior to submission of a completed Form No. 600P that meet the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a department-accepted estimation technique?	☐ Y ☐ N	☐ F
1. If yes,		
a. With what method will the data be collected? _____ _____ _____	☐ A	☐ F



b. What will be the interval of measurement? 		☐ F
c. Describe the proposed estimation technique. 	☐ A	☐ F
2. If no, describe your plan to comply with the measurement requirements for hydraulically connected surface water sources. 	☐ A	☐ F

Groundwater: Legal Availability of Depleted Surface Water Source(s)

All information to determine legal demands for depleted surface water source(s) was collected in previous questions.

Groundwater: Adequacy of Diversion

<u>Questions, Narrative Responses, and Tables</u>						<u>Check-boxes</u>	<u>Follow-Up</u>
42. What is the flow rate (GPM or CFS), volume (AF), and period of diversion required (MM/DD-MM/DD) at each groundwater point of diversion? If the POD is a well, provide the well depth (FT), if available, or estimated well depth (FT). Please use the same POD # as the project map (question 2) to match this information with the location information.						☐ A	☐ F
POD #	Flow Rate (GPM or CFS)	Volume (AF)	Period of Diversion (MM/DD-MM/DD)	Well Depth (FT)	Measured or Estimated		
1	20 GPM	0	01/01-12/31	N/A	N/A		
43. Will the monthly pumping schedule differ from an allocation of diverted volume by the number of days in the month for year-round uses or the IWR 80% net irrigation requirements for irrigation/lawn & garden uses (IWR, NRCS 2003)?						☐ Y ☒ N	☐ F



a. If yes, provide the alternative pumping schedule in the table below. Use the same POD # as the project map (question 2).						☐ A	☐ F
Month	POD #	Volume (AF)	Month	POD #	Volume (AF)		
January			July				
February			August				
March			September				
April			October				
May			November				
June			December				

Groundwater: Basin Closure Area

44. Are the point(s) of diversion located in a basin closure area? If yes, fill out questions 45 to 46.	☐ Y ☒ N	☐ F
45. Did you elect in question 1 for the Department to conduct Technical Analysis?	☐ Y ☐ N	☐ F
a. If yes, the Basin Closure Area Addendum (Form 600-BCA), Hydrogeologic Report Addendum (Form 600-HRA), and Hydrogeologic Report are not required at this time. The Department's Technical Analyses will meet requirements of §85-2-360 for Form 600-HRA. Form 600-BCA will be required with application submittal.		
b. If no, submit the Basin Closure Area Addendum (Form 600-BCA), Hydrogeologic Report Addendum (600-HRA), and Hydrogeologic Report with your Technical Analysis.	☐ S	☐ F
46. If the Hydrogeologic Report indicates that the proposed groundwater use will impact a surface water source, which of the following three options best describe your plan to mitigate depletions of hydraulically connected surface water? A separate Preapplication Meeting will be required for each application to change a water right to a mitigation or aquifer recharge purpose to maintain expedited timelines and reduced filing fees for the project.		
a. Application to Change a Water Right to mitigate the adverse effects created.	☐ Y ☐ N	☐ F
b. Alternative mitigation plan.	☐ Y ☐ N	☐ F
c. Documentation to show a mitigation plan is not required.	☐ Y ☐ N	☐ F



Project-Specific Questions

The following questions are mandatory when applicable and must be filled out before the Preapplication Meeting Form is determined to be complete.

<u>Questions, Narrative Responses, and Tables</u>	<u>Check-boxes</u>	<u>Follow-Up</u>
---	--------------------	------------------

Project-Specific Questions: Controlled Groundwater Areas and Basin Closures

47. Is the project located in the East Valley Controlled Groundwater Area?	☐ Y ☒ N	☐ F
a. If yes,		
i. Do you have written approval from (1) Lewis and Clark County Board of Health, (2) Lewis and Clark County Water Quality Protection Bureau, (3) the U.S. Environmental Protection Agency, (4) the Montana State Dept. of Environmental Quality and (5) the Montana State Dept. of Natural Resources and Conservation? If the agencies have established a Technical Advisory Group, prior approval by the Technical Advisory Group satisfies this requirement.	☐ Y ☐ N	☐ F
ii. Is the project in Zone 2?	☐ Y ☐ N	☐ F
i. If yes, provide in the written approval the following recommendations which will also be included as conditions on the appropriation.	☐ S	☐ F
a. Well design and construction requirements necessary to measure the water level and water quality for any well;		
b. Water level measurement and water quality sample reporting requirements for any new well;		
c. Any other requirements necessary to ensure new wells can be operated in a manner consistent with purpose of the EVCWA.		
iii. Is the project in Zone 1? If yes, a Form 600 cannot be accepted by the Department.	☐ Y ☐ N	☐ F
48. Is the project located in the South Pine Controlled Groundwater Area?	☐ Y ☒ N	☐ F
a. If yes, have you completed an Application for Beneficial Water Use Permit South Pine Controlled Groundwater Area Addendum? The addendum needs to be completed by application submittal.	☐ Y ☐ N	☐ F
49. Is the project located in the Yellowstone Controlled Groundwater Area?	☐ Y ☒ N	☐ F
a. If yes, is the use over 35 GPM or 10 AF per year?	☐ Y ☐ N	☐ F
i. If no, this is the incorrect form. Use instead the Yellowstone Controlled Groundwater Area Permit Application (600-YCGA).		
ii. If yes, answer the remaining parts of question 49. A Yellowstone Controlled Groundwater Area Addendum (600 Y over35) will be required with application submittal.		
1. Does the proposed use require a point of diversion with water temperature of 60 degrees Fahrenheit or more?	☐ Y ☐ N	☐ F
2. What is the ground elevation at the point of diversion? _____		☐ F



3. What is the specific conductance at the point of diversion? _____		☐ F
4. If an application is in a basin tributary to a category 3 or 4 stream (generally in or upstream of YNP), provide a report prepared by a professional qualified in the science of groundwater hydrology, verifying that the appropriation is not hydrologically connected to surface flow that is tributary to the reserved portion of category 3 or 4 streams.	☐ S	☐ F
50. Is the project located in one of the Controlled Groundwater Areas listed on the Department's website (https://dnrc.mt.gov/Water-Resources/Water-Rights/Basin-Closures-Stream-Depletion-Controlled-Ground-Water-Areas)?	☐ Y ☒ N	☐ F
a. If yes, list which one and describe how the proposed project meets the requirements of the Controlled Groundwater Area. An application must meet the specific requirements of the Controlled Groundwater Area to be accepted by the Department. _____ _____ _____ _____ _____	☐ A	☐ F
51. Is the project located in one of the administrative, Department ordered, or legislative closures listed on the Department's website (https://dnrc.mt.gov/Water-Resources/Water-Rights/Basin-Closures-Stream-Depletion-Controlled-Ground-Water-Areas)?	☐ Y ☒ N	☐ F
a. If yes, list which one and describe how the proposed project meet the requirements of the closure. An application must meet the specific requirements of the closure to be accepted by the Department. _____ _____ _____ _____ _____	☐ A	☐ F
52. Is the project located in one of the compact closures listed on the Department's website (https://dnrc.mt.gov/Water-Resources/Water-Rights/Basin-Closures-Stream-Depletion-Controlled-Ground-Water-Areas)?	☐ Y ☒ N	☐ F
a. If yes, list which one and describe how the proposed project meet the requirements of the compact closure. An application must meet the specific requirements of the compact closure to be accepted by the Department. _____ _____ _____ _____ _____	☐ A	☐ F



Project-Specific Questions: Place of Storage

53. Does the proposal include at least one place of storage? If yes, answer questions 54 to 61 for each individual place of storage (use Additional Place of Storage Sheet for additional places of storage). If no, this section is complete, and you can skip to question 62.	☐ Y ☒ N	☐ F
54. Provide a map showing the location of the place of storage. Create map on an aerial photograph or topographic map that also includes the following: section corners, township and range, and a north arrow.	☐ S	☐ F
55. Is this application to enlarge an existing reservoir?	☐ Y ☐ N	☐ F
a. If yes, what is the water right number for the existing reservoir? _____		☐ F
56. Is the place of storage located on-stream?	☐ Y ☐ N	☐ F
a. If no, explain the conveyance means to and from the off-stream place of storage and any losses that may occur with that conveyance. _____ _____ _____	☐ A	☐ F
57. What is the capacity of the proposed place of storage or the existing place of storage after it is enlarged? Use bathymetry data, survey, or engineering plans for capacity. Submit the data source used with this form. In lieu of these data sources, use the following equation: <i>Surface Acres x Maximum Depth (FT) x 0.5 (0.4-0.6 depending on side slope) = Capacity (AF)</i> _____	☐ A	☐ F
58. Will the place of storage include primary and/or emergency spillways? Preliminary design specifications for primary and emergency spillways must be included with application submittal (ARM 36.12.113).	☐ Y ☐ N	☐ F
59. Will the place of storage be lined?	☐ Y ☐ N	☐ F
60. What is the annual net evaporation of water from the place of storage using the standards in ARM 36.12.116(1)? Gridded net evaporation layer is available from DNRC upon request. _____		☐ F
61. Is the place of storage capacity calculated to be greater than 50 acre-feet?	☐ Y ☐ N	☐ F
a. If yes, have you made an application to the DNRC Water Operations Bureau for a determination of whether the dam or reservoir is a high-hazard dam?	☐ Y ☐ N	☐ F

Project-Specific Questions: Ditch-Specific Questions

62. Does the proposal include at least one conveyance ditch? If yes, answer question 63 and, for each ditch, answer question 64. If no, this section is complete, and you can skip to question 65.	☐ Y ☒ N	☐ F
--	--	----------------------------



63. Submit a Ditch Map that shows every ditch conveying water for the proposed project. Label the ditch name(s), POD(s), the POU(s), and the ditch measurement locations (requested in question 64.c). The map should be created on an aerial photograph or topographic map with the following: section corners, township and range, and a north arrow.	☐ S	☐ F
64. For each conveyance ditch, answer the following. If there is more than one conveyance ditch, use an Additional Ditch Sheet for each additional conveyance ditch.		
a. What is the ditch name? _____		☐ F
b. What is the distance water will be carried by the conveyance ditch? Only include segments between the POD and start of the POU; do not include segments within the POU. _____ _____	☐ A	☐ F
c. Provide at least one set of ditch measurements, which include width (FT), depth (FT), and slope (%). Discuss ditch characteristics with DNRC to determine the minimum number of ditch measurements. Include the location of each measurement, labeled with the 2-digit measurement ID number, used on the map submitted for question 63.	☐ S	☐ F

ID #	Width (FT)	Depth (FT)	Slope (%)	Date of Measurement

d. What is a reasonable Manning's n value? List the factors used for estimation. If you do not know this value, please work through estimation with the Department. _____ _____	☐ A	☐ F
e. What type of soils compose the proposed conveyance ditch? For lined ditches, write "lined" instead. _____ _____	☐ A	☐ F
f. Are other water rights conveyed by the conveyance ditch?	☐ Y ☐ N	☐ F
i. If yes,		
1. What are the water right numbers? _____ _____	☐ A	☐ F



2. What is the sum of the flow rates (GPM or CFS) for water rights conveyed? _____ _____ _____	☐ A	☐ F
3. Provide a map with your best estimate of where the existing POUs begin for the other water rights conveyed by the conveyance ditch for all POUs between the proposed POD and your proposed POU. Create map on an aerial photograph or topographic map that also includes the following: section corners, township and range, and a north arrow.	☐ S	☐ F

Project-Specific Questions: Water Marketing

65. Does the proposal include water marketing? If yes, please answer the questions in this section (questions 66 to 71). If no, this section is complete, and you can skip to question 72.	☐ Y ☒ N	☐ F
66. Identify the flow rate (GPM or CFS) and volume (AF) of water that will be marketed. _____		☐ F
67. Will the marketed water return to the source?	☐ Y ☐ N	☐ F
a. Explain how this determination was made. _____ _____ _____	☐ A	☐ F
68. For what purpose(s) will the marketed water be used? _____ _____	☐ A	☐ F
69. How will you control or limit access to the water? _____ _____	☐ A	☐ F
70. Do you have contracts for the entire volume and flow rate sought?	☐ Y ☐ N	☐ F
71. Provide a service area map. Create map on an aerial photograph or topographic map and shows the following: general service area boundary, section corners, township and range, and a north arrow.	☐ S	☐ F



Non-Mandatory Questions for Criteria Analysis

The following questions are not mandatory. They should be discussed in the Preapplication Meeting, but do not need to be filled out before the Preapplication Meeting Form is determined to be complete.

Adverse Effect

<u>Questions, Narrative Responses, and Tables</u>	<u>Check-boxes</u>
72. Do you have evidence that water is legally available in the proper flow rate, volume, and timing?	☒ Y ☐ N
73. If water is not found to be legally available for part or all the proposed period of diversion, what is the plan to address this with the permitting process? Period of diversion and period of use could be modified to account for months when water may not be legally available. _____ _____	☐ A
74. Describe your plan to ensure that existing water rights will be satisfied during times of water shortage. The system could be manipulated to cease diverting the 20 GPM requested by this permit. _____ _____	☐ A
75. Explain how you can control your diversion in response to call being made. Consultants will gather more info as to how diversion can be controlled. _____ _____	☐ A
76. Are you aware of any calls that have been made on the source of supply or depleted surface water source? a. If yes, explain. _____ _____	☐ Y ☒ N ☐ A
77. Does a water commissioner distribute water or oversee water distribution on your proposed source or depleted surface water source?	☐ Y ☒ N

Adequate Diversion Means and Operation

78. Provide a diagram of how you will operate your system from the point of diversion to the place of use.	☐ S
79. Describe specific information about the capacity of the diversionary structure(s). This may include, where applicable: pump curves and total dynamic head calculations, headgate design specifications, and dike or dam height and length. Consultants will collect information and provide at later date. _____ _____	☐ A



80. Is the diversion capable of providing the full amount requested through the period of diversion?	☒ Y ☐ N
81. Describe the size and configuration of infrastructure to convey water from point of diversion to place of use. This may include, where applicable: ditch capacity and/or pipeline size and configuration. Consultants will follow up with information _____ _____ _____	☐ A
82. Describe any losses related to conveyance. _____ _____	☐ A
83. Is the conveyance infrastructure capable of providing the required flow and volume and any losses?	☐ Y ☐ N
84. Does the proposed conveyance require easements?	☐ Y ☒ N
a. If yes, explain. _____	☐ A
85. Describe any places of storage, including whether drainage devices will be installed, and provide preliminary designs, if available. Preliminary designs will be required at application submittal. _____ _____ _____	☐ A
86. Describe specific information about how water is delivered within the place of use. This may include, where applicable, the range of flow rates needed for a pivot and output and configuration of sprinkler heads. _____ _____ _____	☐ A
87. Is the water delivery system capable of providing the requested beneficial use?	☒ Y ☐ N
88. Will your system be designed to discharge water from the project?	☐ Y ☐ N
a. If yes, explain the way water will be discharged and the wastewater disposal method. Wastewater is fed to a lagoon _____ _____	☐ A



89. Provide a plan of operations. Will be provided with application _____ _____ _____	☐ A
90. Can the plan of operations deliver the flow rate and volume for the beneficial use being requested?	☒ Y ☐ N
91. Do you have any plans to measure your diversion and use?	☒ Y ☐ N
a. If yes, describe the plan and the type of measurements you will take. Ongoing measurements will continue to be obtained _____ _____	☐ A

Beneficial Use

92. Why is the requested flow rate and volume the amount needed for the purpose? _____ _____	☐ A
93. Does the Department have a standard for the purposes for which water is used? Department standards can be found in ARM 36.12.112.	☐ Y ☒ N
a. If yes, does the proposed beneficial use fall within Department standards?	☐ Y ☐ N
94. If no standard, or if proposed beneficial use falls outside of Department standards, explain how the use is reasonable for the purpose. _____ _____ _____ _____	☐ A
95. Will your proposed project be subject to DEQ requirements for a public water supply (PWS) system or Certificate of Subdivision Approval (COSA)?	☐ Y ☐ N
a. If yes,	
i. Have you researched or consulted with DEQ regarding those requirements?	☐ Y ☐ N
96. Are you proposing to use surface water for in-house domestic use?	☐ Y ☒ N
a. If yes, does a COSA exist for the proposed place of use?	☐ Y ☐ N
i. If yes, please submit the COSA.	☐ S
ii. If no, have you researched or consulted with DEQ regarding their requirements?	☐ Y ☐ N



Possessory Interest

97. Do you have possessory interest, or the permission of the party with possessory interest, of the proposed place of use? Proof of possessory interest or permission of the party with possessory interest is required at application submittal.	☐ Y ☒ N
a. If no, explain. Municipal purpose from a municipality 	☐ A



RECEIVED**FEB - 3 2025****PREAPPLICATION MEETING AFFIDAVIT & CERTIFICATION**

"We attest that the information on this form accurately describes the proposed project discussed during the preapplication meeting and that the items marked for follow-up will require the applicant to provide additional information before the form is deemed complete."

MONTANA D.N.R.C
MISSOULA REGIONAL OFFICE

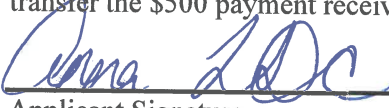
"Applicant acknowledges that any information provided by the Department during the preapplication is preliminary and subject to change."

"Applicant acknowledges that if the follow-up information provided to the Department substantially changes the proposed project, for example in a way that alters which sections of the form are applicable or which technical analyses are required, or who is to complete the technical analyses, the applicant will need to schedule a new preapplication meeting so that the department can identify any additional information necessary for completion of the technical analyses (ARM 36.12.1302(3)(c))."

Upon Department receipt of the completed form (within 180 days following the meeting), the Department reserves the first five days of the 45-day period in ARM 36.12.1302(4) or (5) to return the form to the applicant if:

- 1 – the completed form does not include all necessary follow-up information identified in the meeting, OR
- 2 – the completed form is not adequate for the Department to proceed with technical analyses, OR
- 3 – the applicant has elected to complete technical analyses and has not submitted each piece of technical analysis required, OR
- 4 – the applicant has substantially changed the details of the proposed project, such as in a way that alters which sections of the form are applicable, which technical analyses are required, or who is to complete the technical analyses.

If the Department returns the form to the Applicant within these five days due to reasons 1-3 above, the Applicant can use the balance of their 180-day period in ARM 36.12.1302(4) or (5) to gather the remaining follow-up information needed. If there is no time remaining in the 180-day period, the Applicant can submit a written request for a new preapplication meeting, pursuant to ARM 36.12.1302(2). Even if there is still time remaining, the Applicant can choose to schedule a new preapplication meeting. The Department shall transfer the \$500 payment received to the new preapplication meeting, or refund the payment to the Applicant if the Applicant desires. If the Department returns the form to the Applicant within these five days due to reason (4) above, the Applicant must submit a written request for a new preapplication meeting, pursuant to ARM 36.12.1302(2). The Department shall transfer the \$500 payment received to the new preapplication meeting, or refund the payment to the Applicant if the Applicant desires.


Applicant Signature


Date

Applicant Signature

Date


1/21/2025

Department Signature

Date



FOLLOW-UP PAGE

Applicant will provide all responses to questions marked for follow-up on a separate document entitled “Follow-up Responses” with the question number labeled. Answer questions in the same format as the form. For responses in the form of checkboxes, write “Y”, “N”, or “S”. Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Label units in narrative responses and tables. Tables must have the exact headings found on the form. Questions that require items to be submitted to the Department may be marked “S” when the required item is attached to the Preapplication Meeting Form. Label all submitted items with the question number for which they were submitted. The Applicant may not alter the Preapplication Meeting Form signed at the Preapplication Meeting. Instead, the Applicant must use the Amended Responses procedure defined below. Do not include additional information for questions not marked for follow-up here; instead include any additional information pursuant to the process for amending responses defined below.

Questions marked for follow-up

2- Map required	
20.b.i - submit measurements with preapp form	
20.b.7 - provide information on meter type/ specs/ info	



PHONE CALL MEMORANDUM

TO: Permit Application File 76M 30165209
CC:
FROM: Alex Dalglish, Missoula Regional Office
DATE: June 30, 2025
SUBJECT: Permit Application 76M 30165209

As submitted in the follow up information, the flow data included measurements taken every 5 minutes throughout the entire 2024 year. This correlates to a substantial amount of data.

The follow up information stated that data values above 67 GPM and values below 1 GPM were removed from the data set. Additionally, within those parameters (above 67 GPM and below 1GPM), the two highest values were pulled for each month.

On June 30, 2025, I spoke with the Applicant's consultants (Christina Eggensperger and Patrick Thompson of WET) as I wanted to understand the following:

- 1) Why were values above 67 GPM and those below 1 GPM not considered.
- 2) If the flow data submitted to the Department included the flow rate (50 GPM) for existing Statement of Claim 76M 45355 00.
- 3) Determine where the flow meter is in relation to the spring source.
- 4) Inquire about the follow up signature page from the Town of Alberton. The Department has not received it yet.

1) Values above 67 GPM were removed from the dataset because the system has head pressure. So when the inline flow meter valve opens, there is an abnormally high value recorded in the data. These higher values are not representative of the spring's flow rate. Additionally, those datasets below 1 GPM were also removed as they did not represent the water available from the spring.

2) The flow data does include the 50 GPM under Statement of Claim 76M 45355 00. I informed Pat and Christina that with the data representing a maximum flow of 67 GPM physically available from the spring, the requested flow rate of 20 GPM would not be attainable under this permit ($50 \text{ CFS} + 20 \text{ CFS} = 70 \text{ CFS}$ and the spring only produces 67 GPM). Rather, a flow rate of approximately 17 GPM would be authorized under the new permit if approved.

3) In a follow up email on the same day as our call, Pat provided a spring schematic/diagram. Based on this drawing, from the spring, a water line runs downgradient to a chlorine shed and then to an adjacent storage tank. An altitude valve and flow meter are in the chlorine shed. When the storage tank is full, the altitude valve closes, and water backs up to the lowest spring box and drains out. Water drains out when the system and storage tank are full.

4) Christina has been trying to contact Applicant to inform them that they still need to submit the signature follow up page. I informed her the Department needs the signature page by 7/20/2025 (180 days from 1/21/2025 preapplication meeting date).

From: [Dagleish, Alex](#)
To: [Pat Thomson](#)
Cc: [Christina Eggensperger](#)
Subject: RE: Spring Schematic
Date: Monday, June 30, 2025 4:12:00 PM
Attachments: [image002.png](#)
[image003.png](#)

Hey Pat,

No problem. I appreciate you promptly sending this diagram to me.

Best,



Alex Dagleish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C
DESK: 406-542-5886 **EMAIL:** alexander.dagleish@mt.gov
[Website](#) | [Facebook](#) | [X \(Twitter\)](#) | [Instagram](#)
How did we do? Let us know here: [Feedback Survey](#)

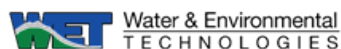
From: Pat Thomson <pthomson@waterenvtech.com>
Sent: Monday, June 30, 2025 4:03 PM
To: Dagleish, Alex <Alexander.Dagleish@mt.gov>
Cc: Christina Eggensperger <ceggensperger@waterenvtech.com>
Subject: [EXTERNAL] Spring Schematic

Hey Alex,

Thanks for the help on the permitting. As discussed, the city's files are a bit thin, however, the attached was provided as a flow chart for the spring source to the holding tank.

Let us know if you need any additional info.

Thanks,
Pat

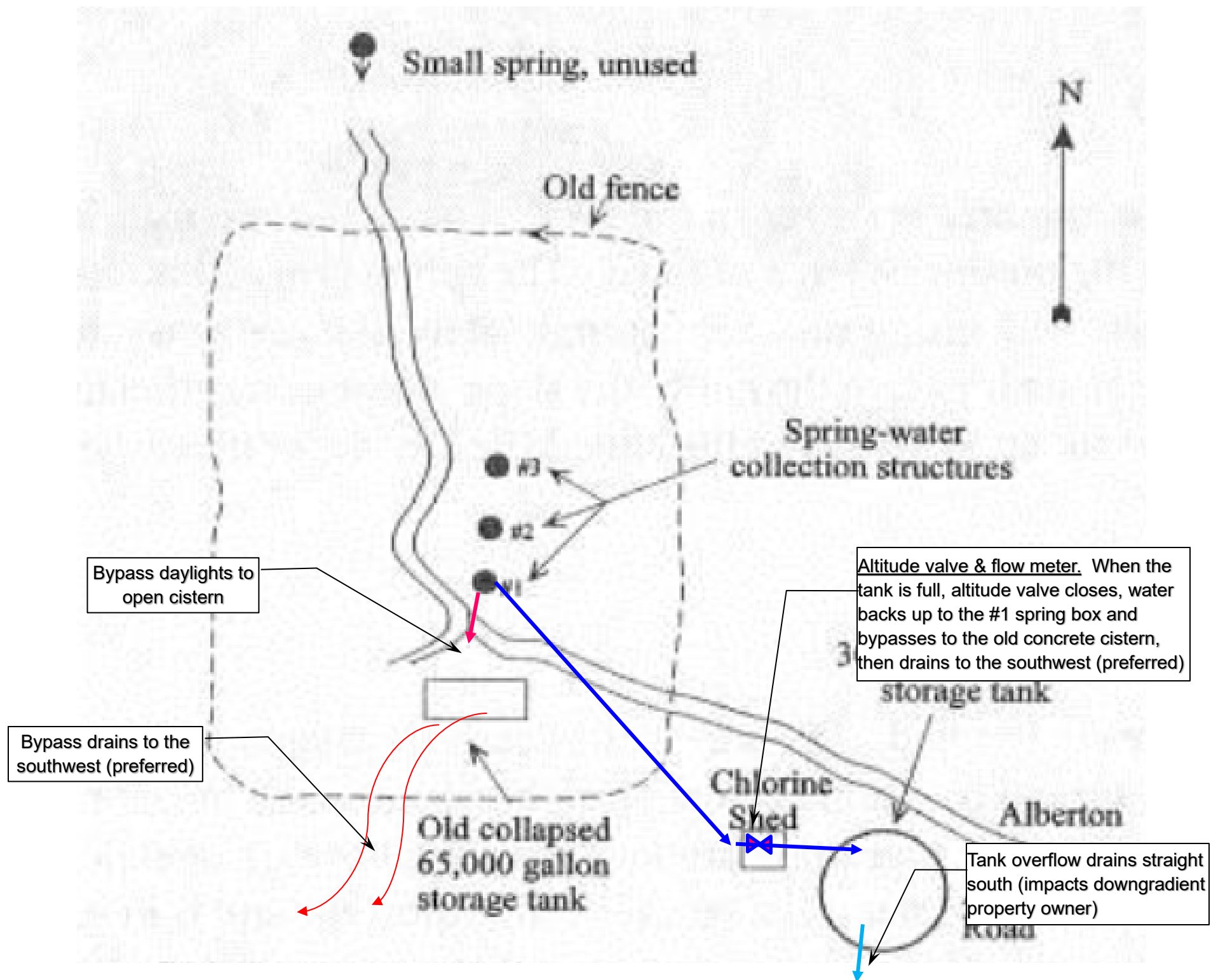


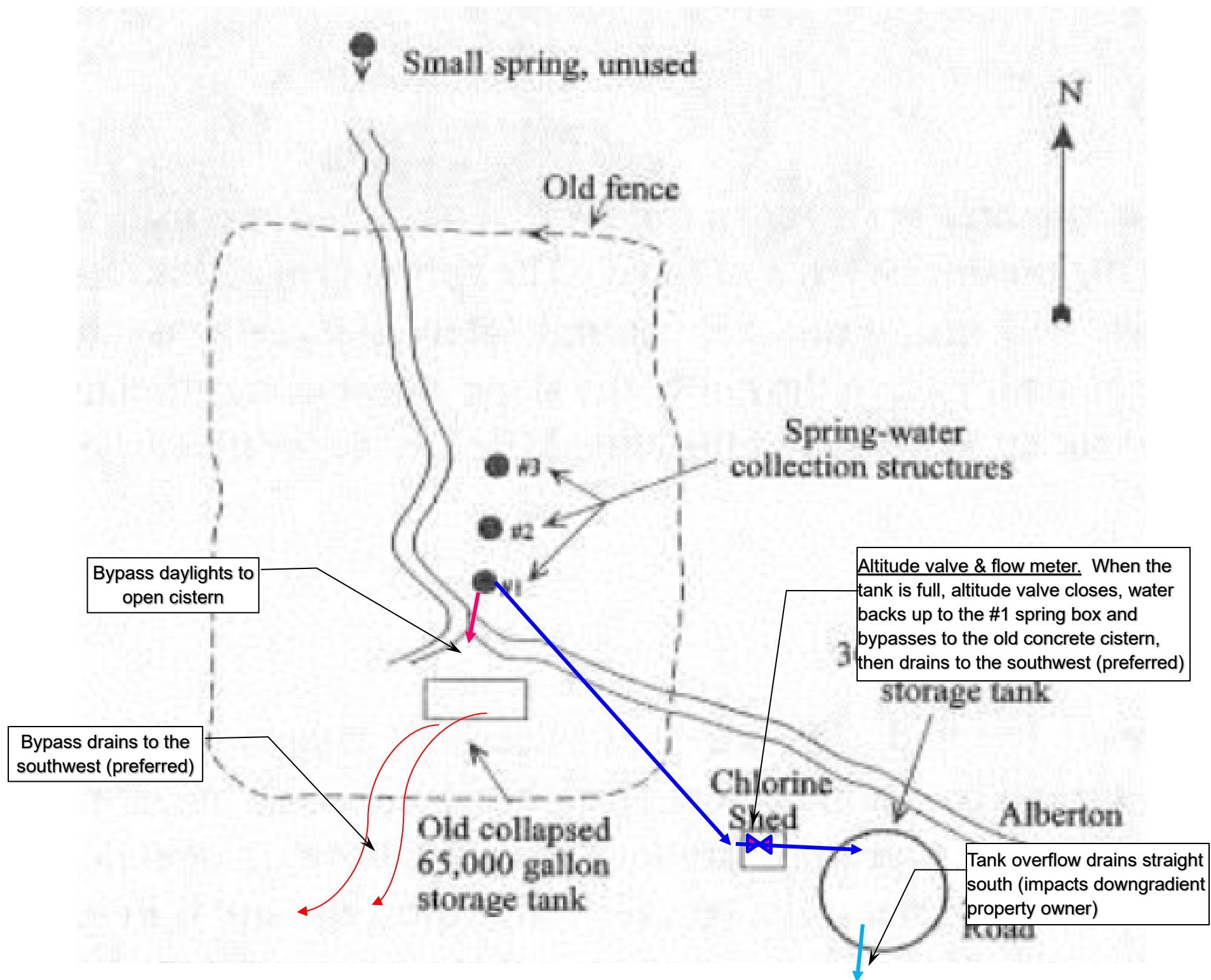
Patrick J. Thomson, PG
Senior Hydrogeologist

P: (406) 723-1532

C: (406) 490-0329

waterenvtech.com [waterenvtech.com]







June 10, 2025

DNRC
Water Resources Division
Attn: Alex Dalglish
2705 Spurgin Road, Bldg. C
PO Box 5004
Missoula, MT 59806-5004

Subject: Follow-up Responses for Beneficial Water Use
Permit Application No. 30165209

Alex,

The attached information is provided as amendment of Preapplication Form 600P in response to the preapplication meeting held January 31, 2025. This information includes a figure depicting site features, flow measurements, and flowmeter specifications.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Patrick Thomson'.

Patrick Thomson, PG

A handwritten signature in black ink, appearing to read 'Christina Eggensperger'.

Christina Eggensperger, MS, EIT

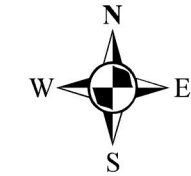
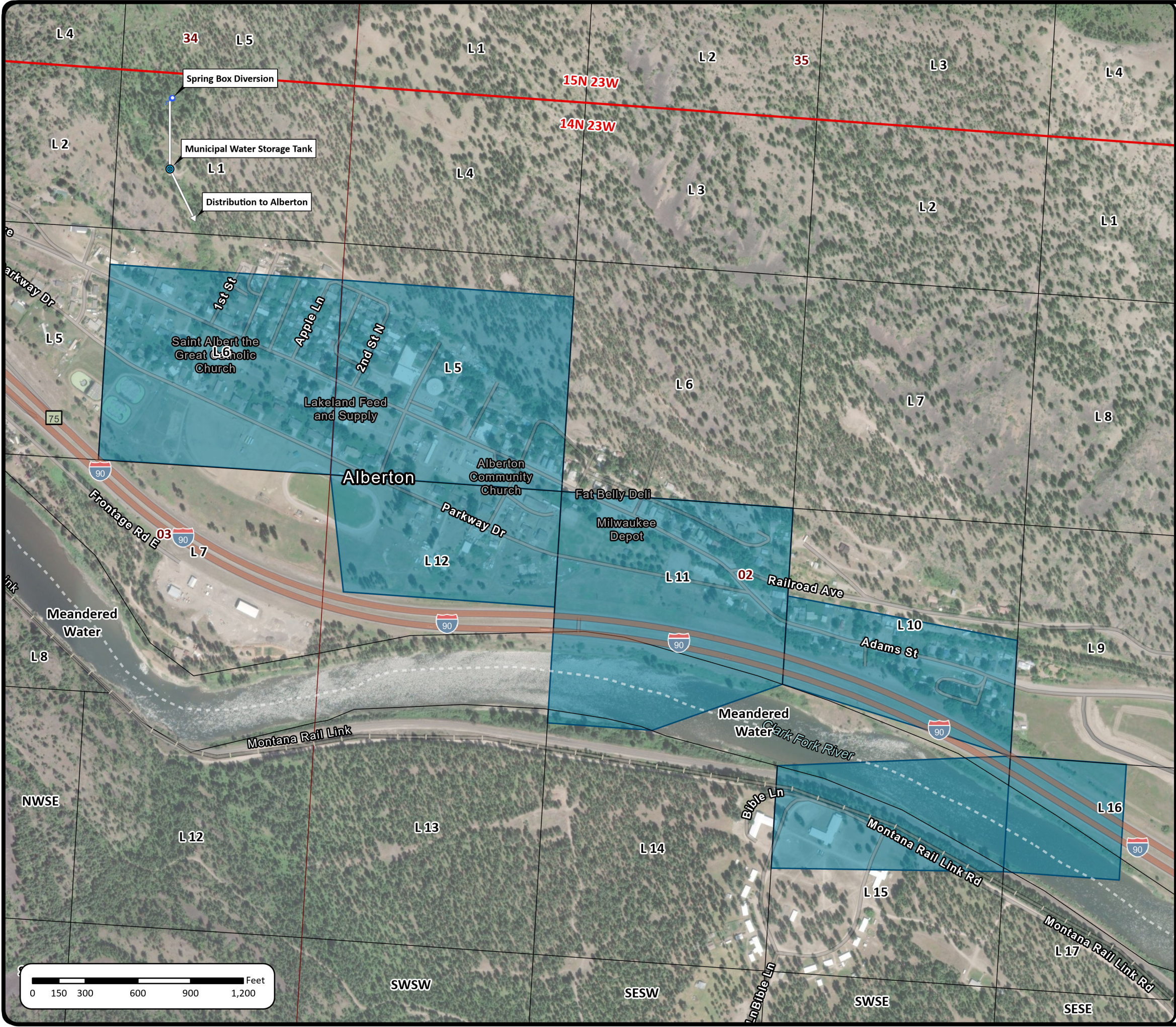
Enclosures

Form 600-P - Follow-Up Items

Questions Marked for Follow-Up:

<u>Questions, Narrative, Responses, and Tables</u>	<u>Response</u>
2. Provide a map created on an aerial photograph or topographic map that shows the following: section corners, township and range, a north arrow, all proposed points of diversion labeled with a unique POD ID number, all proposed places of use, all proposed conveyance structures, all proposed places of storage, and places of use for all overlapping water rights.	Attached
20.b.i. If no gage data is available or if available gage data does not meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion, is the source otherwise measured? If yes, Submit available measurements to the Department. Submit with Pre app form.	Attached
20.b.7. Is there a process for maintaining the data and meeting specified accuracy limits? If yes, explain.	Attached

Site Map



NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	4/28/25	LG	CE
2	ADD TANK AND WATER LINE	5/8/25	LG	CE
3	ADD WATER RIGHTS	6/2/25	EL	CE
4				
5				

NOTES

SPRING LOCATION

ALBERTON, MINERAL COUNTY, MT

FIGURE 1

JOB#: AMCEM01

DATE: 6/2/2025

Path: M:\AMCEM01\GIS\WaterRight\WaterRight.aprx, Author: elahay



- Spring
- Water Storage Tank
- Water Line (Approximate Location)
- PLSS Township & Range
- PLSS First Division
- PLSS Second Division
- 76M 45355 00 and 76M 13904 00 Place of Use

Flow Measurements

The following depicts the method used to arrive with the two monthly flow measurements.

1. High (above 67 gpm) and low (below 1 gpm) outliers were removed from the dataset.
2. The maximum value (selected within the open-flow period of the altitude valve) was pulled for each day.
3. The two highest values were pulled for each month.

Month	Flow Rates
January	66.91000366
	66.88999939
February	66.65000153
	66.58000183
March	66.93000031
	66.93000031
April	66.68000031
	66.44000244
May	66.98000336
	66.91000366
June	65.87999725
	64.93000031
July	63.45000076
	62.50999832
August	64.05999756
	61
September	60.88999939
	60.34999847
October	65.94000244
	65.66999817
November	65.16000366
	65.05999756
December	65.75
	65.43000031

Flowmeter Specifications

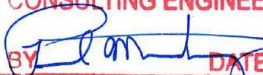
MJD Contracting, LLC.

12 Ponderosa Rd Clancy, MT 59634

Letter of Transmittal

To:

Anderson-Montgomery Consulting En
Attn: Paul Montgomery
1064 N. Warren St.
Helena, MT 59601

REVIEWED	☒
REVIEWED & NOTED	☐
If checked below, fabrication MAY NOT BE UNDERTAKEN	
REVISED & RESUBMIT	☐
Checking is only for conformance with the design concept and compliance with the information given in the Contract Documents. Contractor is responsible for dimensions and quantities, for information that pertains solely to the fabrication and /or construction process, and for coordination of the work of all trades.	
ANDERSON - MONTGOMERY CONSULTING ENGINEERS	
BY 	DATE 7-3-20

Date:

July 2, 2020

Project

Job Name:

Alberton Water System Improvements

Address:

City/State/Zip:

Alberton, MT

We are sending you:

☒ Attached

☐ Under Separate Cover

Via: E-mail

The following items:

☐ Shop Drawings

☐ Plans

☐ Samples

☐ Specifications

☒ Product/Technical Data

Copies	Item Dated	Item No.	Spec Section	Description
1		6	40 71 13	Mag Flowmeter
1		7	40 71 13	Insertion Flowmeter

The above items are transmitted to you:

☒ For approval

☐ Approved as submitted

☐ Resubmitted for approval

☐ For your use

Remarks:

Copy To: _____

Signed:  _____

By signing, I certify that I have reviewed and check submittals for general conformance to the project specifications and methods to be performed.



Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Ultra Mag® Sensor



ProComm Converter



Ultra Mag models UM06 and UM08 flanged tube flow meters are manufactured to the highest standard available for mag meters.

The flanged end tube design permits use in a wide range of applications with up to 300 PSI working pressure.

The fabricated tube is stainless steel with steel or stainless steel flanges and is lined with UltraLiner™, an NSF approved, fusion bonded epoxy material.

INSTALLATION

Ultra Mag flow meter installation is similar to placing a short length of flanged end pipe in the line. The meter can be installed vertically, horizontally, or inclined on suction or discharge lines. The meter must have a full pipe of liquid for proper operation. Fluid must be grounded to the downstream flange of the sensor either via internal grounding electrodes (4 - 12") or using McCrometer 316 SS grounding rings.

For best performance, grounding rings are recommended for all sizes. Any 90 or 45 degree elbows, valves, partially opened valves, etc. should not be placed closer than one pipe diameters upstream and zero pipe diameters downstream.

All blending and chemical injection should be done early enough so the flow media is thoroughly mixed prior to entering the measurement area.

PROCOMM CONVERTER

The signal converter is the reporting, input and output control device for the sensor. The converter allows the measurements, functional programming, control of the sensor and data recording to be communicated through the display and inputs/outputs.

The microprocessor-based signal converter has a curve-fitting algorithm to improve accuracy, dual 4-20mA analog outputs, an optional RS485 communication port, an 8 line graphical backlit LCD display with 6-key touch programming, and a rugged enclosure that meets IP67.

In addition to a menu-driven self-diagnostic test mode, the converter continually monitors the microprocessor's functionality. The converter will output rate of flow and total volume. The converter also comes standard with password protection and many more features.

AVAILABLE ULTRA MAG FLANGED MODELS

UM06

Steel AWWA Class "D" flat face flanges
(150 PSI)

UM08 2", 3", AND ≥14"

Steel AWWA Class "F" raised face flanges
(300 PSI)

UM08 4" TO 12"

Steel ANSI 300 lb. Raised Face Flanges

PERFORMANCE ADVANTAGES

- Needs only 1 pipe diameter upstream of most flow disturbers
- No obstruction to the flow
- No moving parts to wear or break
- Maintenance free
- Worry-free accurate measurement
- Debris or solids will not clog the meter
- No head loss
- Bi-directional flow
- Empty pipe detection
- Unaffected by changes in density and viscosity
- No risk of liner delamination or separation
- Wide flow range
- Separated power and signal cables

TYPICAL APPLICATIONS

Industrial

Raw Water	Process Control
Chilled Water	Effluent Wastewater
Cooling Water	

Clean Water

Well Water	Rate-of-Flow Control
Potable Water	Raw Water Transmission
Pump Stations	

Wastewater

Influent	Waste Activated
Effluent	Sludge
Reclaimed	Return Activated
Lift Stations	Sludge

Ultra Mag Part Number Matrix

UM					
SINGLE DIRECTION/DIRECTIONAL		-	-	-	-
→	150 PSI Service Pressure	06			
	300 PSI Service Pressure	08			
NOMINAL LINE SIZE					
	2 in	02			
	3 in	03			
→	4 in	04			
	6 in	06			
	8 in	08			
	10 in	10			
	12 in	12			
	14 in	14			
	16 in	16			
	18 in	18			
	20 in	20			
	24 in	24			
	30 in	30			
	36 in	36			
	42 in	42			
	48 in	48			
END CONNECTION OPTIONS					
→	AWWA Flat Face Flanges (Class D or F)	W			
	ANSI Raised Face Flanges (150# or 300#)	A			
ELECTRODE MATERIAL OPTIONS					
→	S316 Stainless Steel (Standard)	S			
	Hastelloy	H			
CONVERTER MOUNTING AND CABLE CONNECTOR OPTIONS					
→	Strain Relief [Remote Mount (Standard)]	R			
	Quick Connect [Remote Mount]	Q			
	Meter Mount Converter	M			
REMOTE CABLE LENGTH OPTIONS					
	25 feet (Standard)	025			
	50 feet	050			
	75 feet	075			
	100 feet	100			
	125 feet	125			
	150 feet	150			
	175 feet	175			
	200 feet	200			
	500 feet	500			
	Custom Length Cable [User Specified]	CST			
	Meter Mount Converter [No Remote Cable]	000			
CONVERTER POWER OPTIONS					
	AC Power	A			
	DC Power	D			
	Battery Power [25ft remote cable max]	B			
CONVERTER OUTPUT OPTIONS					
	Dual 4-20mA Analog, Dual Digital (Standard)	1			
→	Modbus + STD (Two 4-20, two Dig)	2			
	Hart + STD (Two 4-20, two Dig)	3			
	Datalogger/BIV + STD (Two 4-20, two Dig)	4			
	Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)	5			
	Datalogger/BIV + Hart + STD (Two 4-20, two Dig)	6			
	AMI Smart Output + STD (Two 4-20, two Dig)	7*			
	Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)	8*			
	AMI Smart Output + Dig Out + Datalogger (Battery power only)	9*			
	Digital Out + Datalogger (Standard Battery Power only)	0			
SMART OUTPUT PROTOCOL OPTIONS (*7 OR 8 OUTPUT OPTION REQUIRED)					
	No AMI Outputs	-			
	Sensus Protocol (6ft cable, Nicor Connector hardwired only)	SEN			
	Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR6			
	Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR9			
NON STANDARD LENGTH OPTIONS					
	McCrometer Length (Standard)	-			
	Competitor Meter Replacement Length	-			
	Special Length [Customer Specified]	-			

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

ISOLATED POWER AND SIGNAL

The power and signal between the converter and sensor are isolated and placed in separate cables giving superior resistance to electrical signal noise compared to single cable designs. An added benefit from the dual cable design is a maximum cable length of up to 500ft.

FLOW METER SPECIFICATIONS

Pipe Sizes	
2", 3", 4", 6", 8", 10", 12", 14", 16", 18", 20", 24", 30", 36", 42", 48"	
Flow Direction Measurement	
Forward and reverse flow indication and forward, reverse, net totalization are standard with all meters	
Accuracy	
Plus or minus 0.5% of actual flow (battery powered is $\pm 1\%$ of flow) IMPORTANT NOTICE ON FLOW METER ACCURACY: The flow meter, the cable and the electronics are factory calibrated for accuracy as a single unit. Changing the cable length with the Splice Kit changes the accuracy of the meter and invalidates the calibration certificate.	
Accuracy Tests	
5-point wet flow calibration of every complete flow tube with its signal converter. If desired, the tests can be witnessed by the customer. The McCrometer test facilities are traceable to the National Institute of Standards & Technology. Uncertainty relative to flow is $\pm 0.15\%$	
Repeatability	
$\pm 0.05\%$ or $\pm 0.0008\text{ft/s}$ ($\pm 0.25\text{mm/s}$), whichever is greater	
Conductivity	
5 $\mu\text{s/cm}$	
Liner	
UltraLiner NSF approved, fusion bonded epoxy	
Electrodes	
Type 316 stainless steel, others optional	
Electrical Connections	
• Compression gland seals • Quick-Connect	
IP Rating	
Standard model	• Quick Connect (NEMA 6P/IP68 with remote converter) • Compression gland seals (NEMA 6P/IP68 with remote converter)
HL model	• Quick Connect (IP67) • Compression gland seals (IP67)
Sensor Submersibility Depth	
With standard strain relief cable	9 m (30 ft.)
With optional quick connect cable	1.8 m (6 ft.)

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Head Loss		
	None. No obstruction in line and no moving parts	
Warranty		
Meter	2 year warranty	
Liner	Lifetime guarantee	
Pressure Range		
	150 PSI maximum working pressure (UM06); 300 PSI maximum working pressure (UM08)	
Velocity Range		
	.2 to 32 FPS	
Temperature Range		
	Sensor Operating: -10 to 60°C (14 to 140°F) Sensor Storage: -15 to 60°C (5 to 140° F)	
Certifications and Approvals		
Standard Model	• ISO 9001:2015 certified quality management system • Certified by MET to UL 61010-1	
HL Model	• ISO 9001:2015 certified quality management system • Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04 • Class I, Division 2, Groups A-D, T5 • Class I, Zone 2, IIC T5	
System Options		
	• Hastelloy® electrodes • Additional sensor cable up to 475' • Annual verification / calibration • Stainless steel ID tag	
Meter Options		
	• DC powered converter (10-35 VDC, 21 W) • Meter mounted converter • Extended warranty • Hastelloy® electrodes • ANSI or DIN flanges • Quick Connect cable fittings • Special lay lengths, including ISO standard lay lengths	• Converter sun shield • HART® Converter • Smart Output™ (Sensus or Itron compatible) • Battery or battery-solar powered converter (Not MET approved, ±1% accuracy)

Specification Sheet

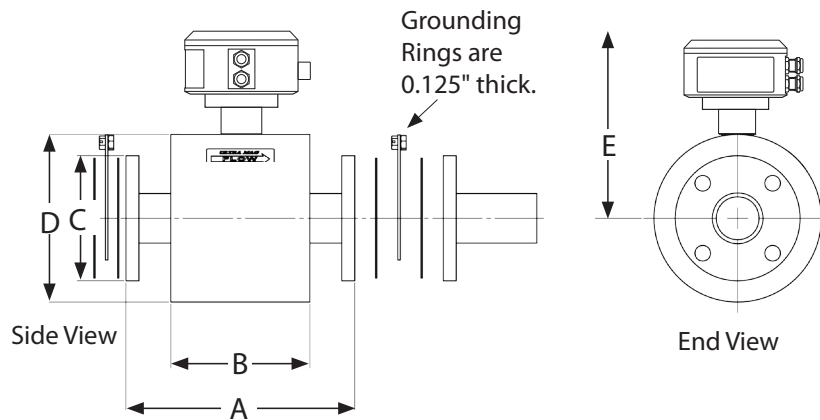
Ultra Mag Flow Meter with ProComm Converter

FLOW METER PIPE SIZES AND FLOW RANGES

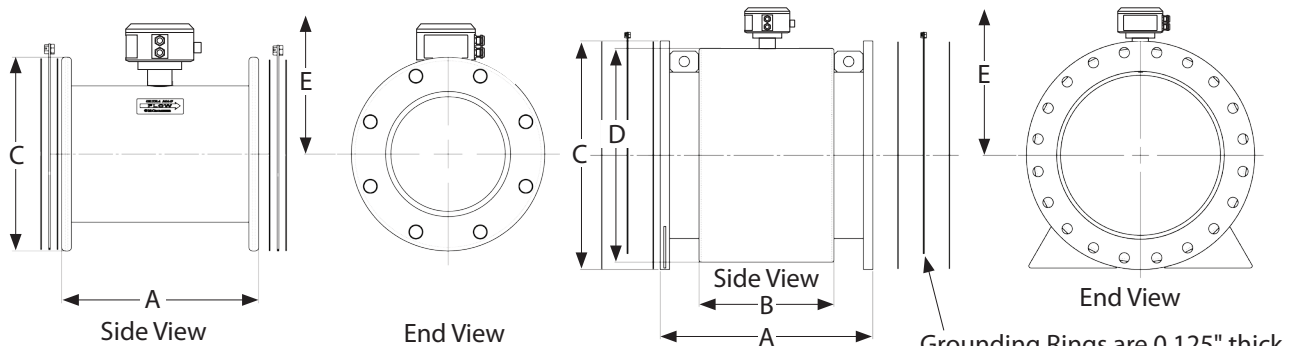
Pipe Size (Nominal)	Meter Pipe ID	Flow Ranges GPM Standard .2 to 32 FPS Min - Max	DIMENSIONS (Lay Lengths)							Estimated Shipping Weight (lbs.)	
			A*		B	C		D	E	UM06	UM08
			UM06	UM08		UM06	UM08				
2"	2.117	2 - 340	11.00	11.00	6.70	6.00	6.50	7.90	9.26	93	107
3"	3.220	5 - 730	13.40	13.40	6.70	7.50	8.25	9.40	10.01	97	111
4"	3.720	8 - 1,140	13.40	13.40	n/a	9.00	10.00	n/a	8.06	78	108
6"	5.692	19 - 2,660	14.60	14.60	n/a	11.00	12.50	n/a	9.06	82	138
8"	7.692	33 - 4,870	16.10	17.25	n/a	13.50	15.00	n/a	10.06	115	195
10"	9.682	52 - 7,670	18.50	18.50	n/a	16.00	17.50	n/a	10.46	144	247
12"	11.682	74 - 11,180	19.70	19.70	n/a	19.00	20.50	n/a	12.31	193	342
14"	13.440	90 - 16,070	21.70	22.75	12.00	21.00	23.00	20.30	15.46	321	476
16"	15.440	118 - 20,900	23.60	25.25	14.20	23.50	25.50	21.10	16.21	390	645
18"	17.440	150 - 26,480	23.60	25.25	14.20	25.00	28.00	21.10	17.21	446	750
20"	19.440	185 - 32,720	25.60	28.25	16.20	27.50	30.50	24.80	18.26	588	874
24"	23.440	270 - 47,180	30.70	35.75	21.70	32.00	36.00	29.60	20.11	769	1,568
30"	29.190	420 - 73,620	35.80	41.75	26.50	38.75	43.00	35.90	23.26	1,261	2,317
36"	35.190	610 - 105,930	46.10	46.10	28.20	46.00	50.00	42.70	26.66	1,696	2,915
42"	41.190	830 - 144,370	48.05	**	32.10	52.75	**	48.35	29.99	**	**
48"	47.190	1,080 - 188,430	50.00	**	36.00	59.50	**	54.00	33.31	**	**

* Laying lengths for meters with ANSI Class 150 Flanges are equal to UM08 laying lengths

** Consult factory



2" and 3" Models Body Style



4" to 12" Models Body Style

14+" Models Body Style

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER PART NUMBER MATRIX

PC	-				
CONVERTER MOUNTING OPTIONS					
Remote Mount	R				
Meter Mount	M				
CONVERTER POWER OPTIONS					
AC Power	A				
DC Power	D				
Battery Power [25ft remote cable max]	B				
CONVERTER OUTPUT OPTIONS					
Dual 4-20mA Analog, Dual Digital (Standard)		1			
Modbus + STD (Two 4-20, two Dig)		2			
Hart + STD (Two 4-20, two Dig)		3			
Datalogger/BIV + STD (Two 4-20, two Dig)		4			
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)		5			
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)		6			
AMI Smart Output + STD (Two 4-20, two Dig)		7*			
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)		8*			
AMI Smart Output + Dig Out + Datalogger (Battery power only)		9*			
Digital Out + Datalogger (Standard Battery Power only)		0			
SMART OUTPUT PROTOCOL OPTIONS (*7, 8, OR 9 OUTPUT OPTION REQUIRED)					
No AMI Outputs				-	
Sensus Protocol (6ft cable, Nicor Connector hardwired only)				SEN	
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)				ITR6	
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)				ITR9	

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER SPECIFICATIONS

Power Source

AC	100-240 VAC / 45-66 Hz (10 W) *	* AC or DC must be specified at time of ordering.
DC	10-35 VDC (10 W) *	

Standard Outputs

Dual 4-20mA Outputs: Galvanically isolated and fully programmable for zero and full scale (0-21mA rangeability)		
Two separate digital programmable outputs: open collector transistor usable for pulse, frequency, or alarm settings.		
- Volumetric Pulse - Flow Rate (Frequency) - Hardware Alarm - High/Low Flow Alarms - Empty Pipe - Directional Indication	- Range Indication - Maximum switching voltage: 40 VDC - Maximum switching current: 100mA	- Maximum switching frequency: 1250 Hz - Insulation from other secondary circuits: 500V

Optional Outputs

- Modbus - HART	Smart Output™ (Sensus, Itron 6, Itron 9)	- Datalogger - Built-in verification
--	--	---

Galvanic Isolation

All inputs / outputs are galvanically isolated from power supply up to 500 V

Engineering Units

- Cubic Meter - Cubic Centimeter - Milliliter - Liter - Cubic Decimeter - Decaliter - Hectoliter - Cubic Inches	- US Gallons - Imperial Gallons - Cubic Feet - Kilo Cubic Feet - Standard Barrel - Oil Barrel - US Kilogallon - Ten Thousands of Gallons	- Imperial Kilogallon - Acre Feet - Megagallon - Imperial Megagallon - Hundred Cubic Feet - Megaliters
--	---	---

Conductivity

Minimum conductivity of 5µS/cm

Electrical Connections

Connection options	- Compression gland seals for 0.24" to 0.47" diameter round cable - Conduit option: 1/2" NPT threaded connections
---------------------------	--

Sensor Cable Lengths

Standard	25' McCrometer supplied submersible cable with each remote mount unit.
Optional	Up to 500 feet, or 25 feet max for battery powered.
Quick Connect	Available in standard cable lengths: 25', 50', 75', 100', 125', 150', 175', 200', and 500'. Custom cable lengths at additional cost.

IP Rating

IP67 Die cast aluminum converter (only when connected using compression gland seals)

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model	• ISO 9001:2015 certified quality management system • CE • Certified by MET to UL 61010-1
HL Model	• ISO 9001:2015 certified quality management system • CE • Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04 • Class I, Division 2, Groups A-D, T5 • Class I, Zone 2 IIC T5



System Options

- | | |
|---|---|
| <ul style="list-style-type: none"> • Hastelloy® electrodes • DC power • Additional sensor cable up to 475' (500' max for model 395 and 200' max for model 394) | <ul style="list-style-type: none"> • Extension to hardware clearance • Annual verification / calibration • Sensor insertion tool • Stainless steel ID tag |
|---|---|

Temperature Range

Operating and storage	-20° to 60° C (-4° to 140° F)
------------------------------	-------------------------------

Converter Dimensions

Remote mount	• Height: 7.3" (18.5 cm) • Width: 8.5" (21.6 cm) • Depth: 4.3" (10.9 cm)
Meter mount	• Height: 6.9" (17.5 cm) • Width: 7.2" (18.25 cm) • Depth: 6.2" (15.7 cm)

Keypad and Display

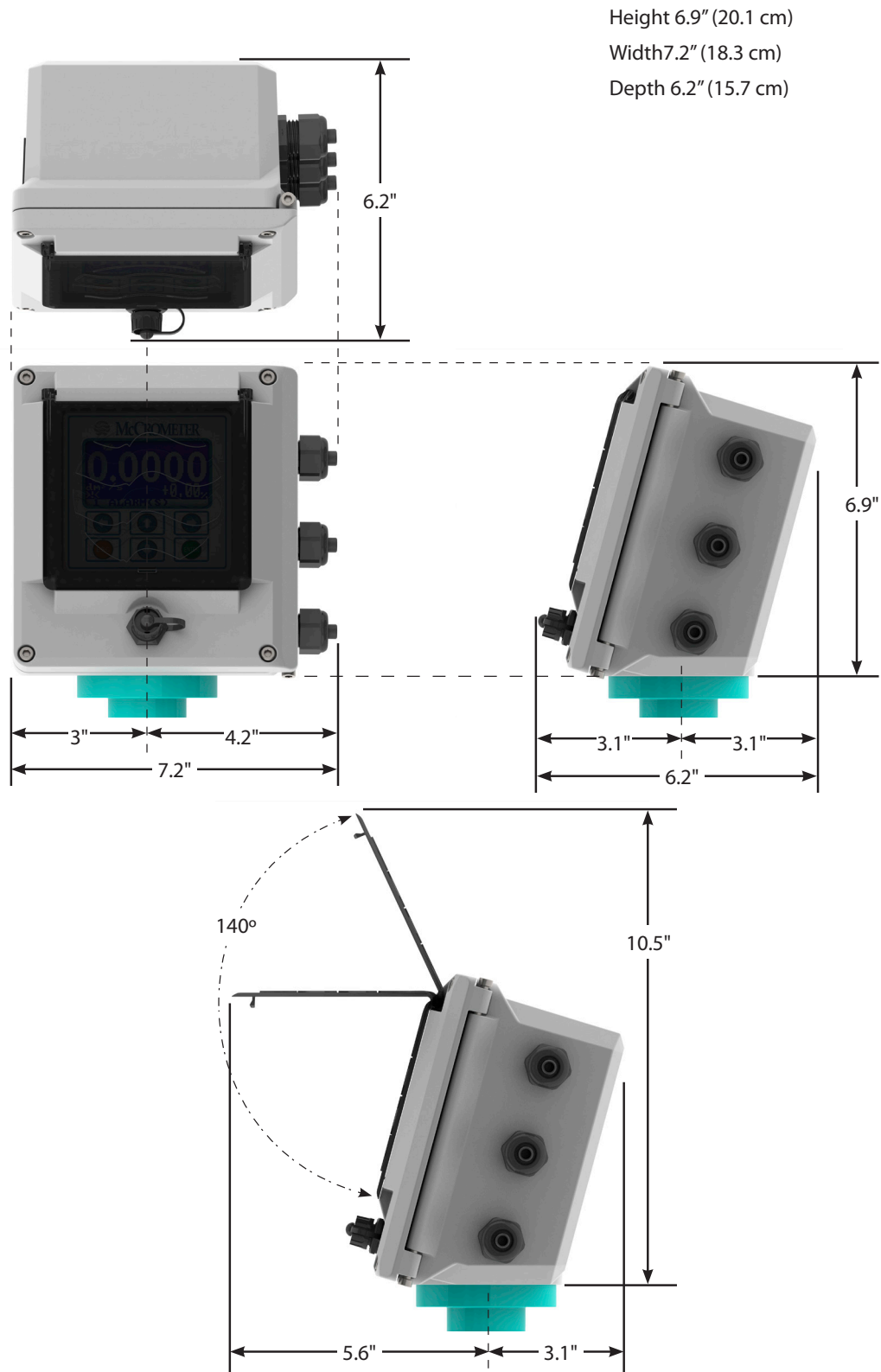
Can be used to access and change set-up parameters using six membrane keys and an LCD display

Note regarding cable length: McCrometer recommends minimizing cable length. Electromagnetic flow meters may have unfavorable signal strength to noise ratio in electrically noisy environments. Longer lengths of cable increase the likelihood of interference. In those cases where the meter's signal must be transmitted a long distance, or where the environment may be particularly noisy, we suggest using the converter's analog output(s). That allows locating the converter as close as possible to the metering location.

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

METER MOUNT CONVERTER DIMENSIONS



Copyright © 2001-2019 McCrometer, Inc. All printed material should not be changed or altered without permission of McCrometer. Any published pricing, technical data, and instructions are subject to change without notice. Contact your McCrometer representative for current pricing, technical data, and instructions.

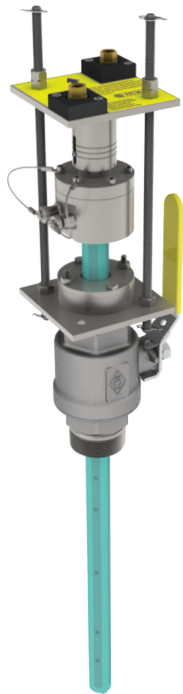
3255 WEST STETSON AVENUE • HEMET, CALIFORNIA 92545 USA
TEL: 951-652-6811 • 800-220-2279 • FAX: 951-652-3078
www.mccrometer.com





FPI Mag Flow Meter with ProComm Converter

FPI Mag® Sensor



ProComm® Converter



The FPI Mag® (Full Profile Insertion) electromagnetic flow meter is the only hot tap full profile insertion flow meter available on the market. The FPI Mag installs without service interruption making it ideal for retrofits, upgrades and maintenance projects and sites never metered before. The hot tap installation significantly reduces installation time eliminating the need to de-water lines or cut pipe.

The multi-electrode sensor delivers an accurate measurement of the full pipe profile rivaling the performance of a full-bore mag meter. The repeatable, stable measurement across the entire flow profile compensates for variable flow profiles, including swirl and turbulent conditions.

The FPI Mag is the industry's most economical flow metering solution offering unbeatable value in the cost of installation and ownership reducing installed costs by more than 45 percent in medium and large line sizes. The compact insertion design fits in confined spaces and offers complete accessibility. The flow meter can be removed in pipes under pressure for easy inspection, cleaning, calibrating, or verification. Installation costs are reduced by eliminating the need for heavy equipment and extensive manpower.

The innovative flow meter comes pre-calibrated from McCrometer's NIST traceable calibration labs and requires no recalibration in the field. With no moving parts and a single-piece design, the FPI Mag's sensor contains nothing to wear or break and is generally immune to clogging by sand, grit, or other debris. The electrodes are encased in a heavy-duty 316 stainless steel sensor body for maximum structural integrity and coated with a NSF certified 3M™ fusion-bonded epoxy coating for operational longevity.

MUNICIPAL WATER AND WASTEWATER

The FPI Mag Full Profile Insertion mag meter supports the following water and wastewater treatment applications:

Water

- Distribution
- Effluent
- Filter balancing and backwash
- Pumping stations
- UV dosing
- Wells and booster stations

Wastewater

- Effluent
- Recycle / reclaim

The FPI Mag is ideal for chilled water in campus style facilities, hospitals, airports, hotels, casinos, etc.

INDUSTRIAL FACILITIES

The FPI Mag is also suitable for a variety of industrial facilities: power plants (including cogeneration), paper mills, chemical & petrochemical plants, metals & mining, and food & beverage.

Applications Include

- Cooling water
- Fire water
- Feed water
- Raw water
- Inlet to surge basin
- Effluent wastewater

Benefits:

- **Hot Tap Installation** - No service interruption
- **Accurate** – Measures the full flow profile
- **Lower Cost** – Installed savings more than 45%
- **Robust** – No moving parts to wear or break
- **Versatile** – Great for plant maintenance, upgrades and retrofits
- **Accessible** – Insertion design provides easy access
- **Virtually No Maintenance** – No field calibration required

FPI MAG PART NUMBER MATRIX

39											
SINGLE DIRECTION /BIDIRECTIONAL											
→ 394 - Bidirectional	4										
→ 395 - Single Direction	5										
STOCK BODY OR CUSTOM LENGTH											
→ Stock Body Length (4-24")	S										
Custom Body Length	C										
NOMINAL LINE SIZE											
	4 in	004									
	6 in	006									
→	8 in	008									
	10 in	010									
	12 in	012									
	14 in	014									
	16 in	016									
	18 in	018									
	20 in	020									
	22 in	022									
	24 in	024									
	30 in	030									
	36 in	036									
	42 in	042									
	48 in	048									
	54 in	054									
	60 in	060									
	66 in	066									
	72 in	072									
Contact Factory for Larger Line Sized		Larger									
ELECTRODE MATERIAL OPTIONS											
→	S316 Stainless Steel (Standard)	S									
	Hastelloy	H									
CABLE CONNECTOR OPTIONS											
→	Quick Connect (Standard)	Q									
	Strain Relief	R									
REMOTE CABLE LENGTH OPTIONS											
→	25 feet (Standard) *	025									
	50 feet	050									
	75 feet	075									
	100 feet	100									
	125 feet	125									
	150 feet	150									
	175 feet	175									
	200 feet *	200									
	500 feet *	500									
Custom Length Cable [User Specified]		CST									

* Maximum cable lengths:
Battery powered converter cable: 25 feet
Model 394: 200 feet
Model 395: 500 feet

continued next page



FPI Mag Flow Meter with ProComm Converter

CONVERTER POWER OPTIONS		
AC Power	A	
DC Power	D	
Battery Power [25ft remote cable max]	B	
Solar Power, Battery Backup [25ft remote cable max]	S	
CONVERTER OUTPUT OPTIONS		
Dual 4-20mA Analog, Dual Digital (Standard)	1	
Modbus + STD (Two 4-20, two Dig)	2	
Hart + STD (Two 4-20, two Dig)	3	
Datalogger/BIV + STD (Two 4-20, two Dig)	4	
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)	5	
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)	6	
AMI Smart Output + STD (Two 4-20, two Dig)	7	
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)	8	
AMI Smart Output + Dig Out + Datalogger (Battery power only)	9	
Digital Out + Datalogger (Standard Battery Power only)	0	
BALL VALVE OPTIONS		
2" NPT SS Ball Valve	N	
2" BSP Brass Ball Valve	B	
No Valve, NPT Hardware	X	
No Valve, BSP Hardware	Y	
SMART OUTPUT PROTOCOL OPTIONS *		
No AMI Outputs	-	
Sensus Protocol (6ft cable, Nicor Connector hardwired only)	SEN	
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR6	
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR9	
HAZARDOUS LOCATION		
Class I, Division 2, Groups A-D, T5	HL	

* Smart Output protocol options require selection of converter output option 7, 8, or 9.



FPI Mag Flow Meter with ProComm Converter

FLOW METER SPECIFICATIONS

The full pipe averaging flow meter comes complete with Mounting Hardware, AC Converter with Dual 4-20mA output, 25 Feet of Dual Submersible Cables with quick connects at sensor, Stainless Steel Body, 316 Stainless Steel Electrodes, NSF Approved Fusion Bonded Epoxy Coating, 2" Stainless Steel Ball Valve (minimum of 1-7/8" port I.D.), 2" x Close Stainless Steel Nipple, 2-Year Warranty.

Measurement

Volumetric flow in filled flow conduits 4" (100 mm) to 138" (3,500 mm) utilizing insertable electromagnetic averaging sensor. Flow indication in English Standard or Metric units.

Flow Measurement

Method	Electromagnetic
Calibrated accuracy for forward and bidirectional sensors	• $\pm 0.5\%$ from 1 f/s to max velocity (on next page), up to $\pm 1\%$ for 0.3 to 1 f/s • $\pm 1\%$ for reverse flow
Linearity	0.3% of Range
Repeatability	0.2% of Reading
Direction measurement	• 395 sensor - Forward flow measurement and reverse flow indication • 394 sensor - bidirectional flow measurement

Materials

Coating	Fusion bonded epoxy (NSF 61 approved) coated 316 stainless steel
Insertion hardware	316 Stainless Steel
Compression seal	Silicone Rubber
Sensor electrodes	316 Stainless Steel

Temperature Range

Operation	-10 to 60°C (14 to 140°F) up to 250 PSI
Storage	-15 to 60°C (5 to 140°F)
	Note regarding storage: During freezing conditions and when meter is not in use, sensor must be removed from pipe and stored in dry conditions.
	NOTE: Damage to the sensor caused by allowing the sensor freeze in the pipe is not covered by the warranty.

Electrical Connections

- Quick Connect
- Compression gland seals

IP Rating

Standard model	• Quick Connect (IP68) • Compression gland seals (IP68)
HL model	• Quick Connect (IP67) • Compression gland seals (IP67)

Sensor Submersibility Depth

With standard quick connect	1.8 m (6 ft.)
With optional strain relief cable	9 m (30 ft.)



FPI Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model

- ISO 9001:2015 certified quality management system
- NSF/ANSI/CAN 61 & NSF/ANSI 372
- Certified by MET to UL 61010-1

HL Model

- ISO 9001:2015 certified quality management system
- NSF/ANSI/CAN 61 & NSF/ANSI 372
- Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04
 - Class I, Division 2, Groups A-D, T5
 - Class I, Zone 2, IIC T5



System Options

- Hastelloy® electrodes
- Additional sensor cable up to 475' (500' max for model 395 and 200' max for model 394)
- Extension to hardware clearance
- Annual verification / calibration
- Sensor insertion tool
- Stainless steel ID tag

Preliminary



FLOW METER PIPE SIZES AND FLOW RANGES

Pipe Size (Nominal)	Pipe ID Range		Flow Ranges (GPM Standard)		Standard Program Defaults ¹	Minimum Clearance Required During Installation ²	Velocity Range ³ (f/s)
	Min Pipe ID	Max Pipe ID	Min (GPM) ¹	Max (GPM) ¹	20mA		
S = Standard (Available in 395 models Pipe Sizes 4" - 24" as shown in table below) C = Custom (Available in all 394 and 395L models Pipe Sizes 4" - 138") Standard Length Hardware and Installation Clearance Dimensions are based on a 4" Maximum Height Coupling and Pipe Schedule Standard							
4"	3.63	4.99	12	1280	600 GPM	51"	0.3 - 32
6"	5.00	6.99	26	2800	1300 GPM	51"	0.3 - 32
8"	7.00	8.99	47	5000	2350 GPM	55"	0.3 - 32
10"	9.00	10.99	80	8000	4000 GPM	55"	0.3 - 32
12"	11.00	12.99	110	11000	5500 GPM	59"	0.3 - 32
14"	13.00	14.99	150	15000	7500 GPM	59"	0.3 - 32
16"	15.00	16.75	190	20000	9500 GPM	59"	0.3 - 32
18"	16.76	18.80	240	26000	12000 GPM	63"	0.3 - 32
20"	18.81	20.99	300	28000	15000 GPM	63"	0.3 - 28
22"	21.00	22.49	400	30000	20000 GPM	67"	0.3 - 25
24"	22.50	25.99	410	33000	20500 GPM	67"	0.3 - 23
30"	26.00	31.99	600	44000	30000 GPM	71.25"	0.3 - 20
36"	32.00	37.99	1000	48000	50 KGPM	77.25"	0.3 - 15
42"	38.00	43.99	1300	56000	65 KGPM	83.25"	0.3 - 13
48"	44.00	49.99	1700	62000	85 KGPM	89.25"	0.3 - 11
54"	50.00	55.99	2200	79000	110 KGPM	95.25"	0.3 - 11
60"	56.00	61.99	2600	97000	130 KGPM	101.25"	0.3 - 11
66"	62.00	67.99	3200	106000	160 KGPM	107.25"	0.3 - 10
72"	68.00	73.99	3800	127000	190 KGPM	113.25"	0.3 - 10
78"-138"	74.00	138.00	Available - Call Factory at 1-800-220-2279				

¹ Default totalizer units measured as KGAL.² Hardware clearance after installation for all sizes is 28".³ Flow temperature range -10° to 60° C (14° to 140° F) up to 250 PSI, max pressure is 250 psi.**! Required Information**

At the time of ordering, please be prepared to provide the following information:

1. Pipe ID and Pipe OD
2. Unit of Measure (US Gallons is Default)
3. Maximum pressure
4. FPI Specification Data Sheet for custom length sensors

Consult factory if any chemicals are in use.



FPI Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER PART NUMBER MATRIX

PC -		-	-	-	-	-
CONVERTER MOUNTING OPTIONS						
Meter Mount	M					
Remote Mount	R					
CONVERTER POWER OPTIONS						
AC Power	A					
DC Power	D					
Battery Power [25ft remote cable max]	B					
Solar Power, Battery Backup [25ft remote cable max]	S					
CONVERTER OUTPUT OPTIONS						
Dual 4-20mA Analog, Dual Digital (Standard)	1					
Modbus + STD (Two 4-20, two Dig)	2					
Hart + STD (Two 4-20, two Dig)	3					
Datalogger/BIV + STD (Two 4-20, two Dig)	4					
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)	5					
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)	6					
AMI Smart Output + STD (Two 4-20, two Dig)	7					
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)	8					
AMI Smart Output + Dig Out + Datalogger (Battery power only)	9					
Digital Out + Datalogger (Standard Battery Power only)	0					
SMART OUTPUT PROTOCOL OPTIONS *						
No AMI Outputs	-					
Sensus Protocol (6ft cable, Nicor Connector hardwired only)	SEN					
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR6					
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR9					
HAZARDOUS LOCATION						
Class I, Division 2, Groups A-D, T5	HL					

* Smart Output protocol options require selection of converter output option 7, 8, or 9.



PROCOMM CONVERTER SPECIFICATIONS

Power Source

AC	100-240 VAC / 45-66 Hz (10 W)	Note: AC or DC must be specified at time of ordering.
DC	10-35 VDC (10 W)	

Standard Outputs

Dual 4-20mA Outputs: Galvanically isolated and fully programmable for zero and full scale (0-21mA rangeability)

Two separate digital programmable outputs: open collector transistor usable for pulse, frequency, or alarm settings.

- Volumetric Pulse
- Flow Rate (Frequency)
- Hardware Alarm
- High/Low Flow Alarms
- Empty Pipe
- Directional Indication
- Range Indication
- Maximum switching voltage: 40 VDC
- Maximum switching current: 100mA
- Maximum switching frequency: 1250 Hz
- Insulation from other secondary circuits: 500V

Optional Outputs

- Modbus
- HART
- Smart Output™ (Sensus, Itron 6, Itron 9)
- Datalogger
- Built-in verification

Galvanic Isolation

All inputs / outputs are galvanically isolated from power supply up to 500 V

Engineering Units

- Cubic Meter
- Cubic Centimeter
- Milliliter
- Liter
- Cubic Decimeter
- Decaliter
- Hectoliter
- Cubic Inches
- US Gallons
- Imperial Gallons
- Cubic Feet
- Kilo Cubic Feet
- Standard Barrel
- Oil Barrel
- US Kilogallon
- Ten Thousands of Gallons
- Imperial Kilogallon
- Acre Feet
- Megagallon
- Imperial Megagallon
- Hundred Cubic Feet
- Megaliters

Conductivity

Minimum conductivity of 5µS/cm

Electrical Connections

- Connection options**
- Compression gland seals for 0.24" to 0.47" diameter round cable
 - Conduit option: 1/2" NPT threaded connections

Sensor Cable Lengths

Standard	25' McCrometer supplied submersible cable with each remote mount unit.
Optional	Up to 500 feet, or 25 feet max for battery powered.
Quick Connect *	Available in standard cable lengths: 25', 50', 75', 100', 125', 150', 175', 200', and 500'. Custom cable lengths at additional cost.

IP Rating

IP67 Die cast aluminum converter (only when connected using compression gland seals)

* Not available with SPI Mag



FPI Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model

- ISO 9001:2015 certified quality management system
- CE
- Certified by MET to UL 61010-1

HL Model

- ISO 9001:2015 certified quality management system
- CE
- Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04
 - Class I, Division 2, Groups A-D, T5
 - Class I, Zone 2 IIC T5

**IMPORTANT:**

Electrical safety certifications above do not apply to model 282L Single Point Insertion (SPI Mag) Electromagnetic Flow Meter.

System Options

- Hastelloy® electrodes*
- DC power
- Additional sensor cable up to 475' (500' max for FPI Mag)
- Extension to hardware clearance
- Annual verification / calibration
- Sensor insertion tool*
- Stainless steel ID tag

Temperature Range

Operating and storage

-20° to 60° C (-4° to 140° F)

Converter Dimensions

Remote mount*

- Height: 7.3" (18.5 cm)
- Width: 8.5" (21.6 cm)
- Depth: 4.3" (10.9 cm)

Meter mount

- Height: 6.9" (17.5 cm)
- Width: 7.2" (18.25 cm)
- Depth: 6.2" (15.7 cm)

Keypad and Display

Can be used to access and change set-up parameters using six membrane keys and an LCD display

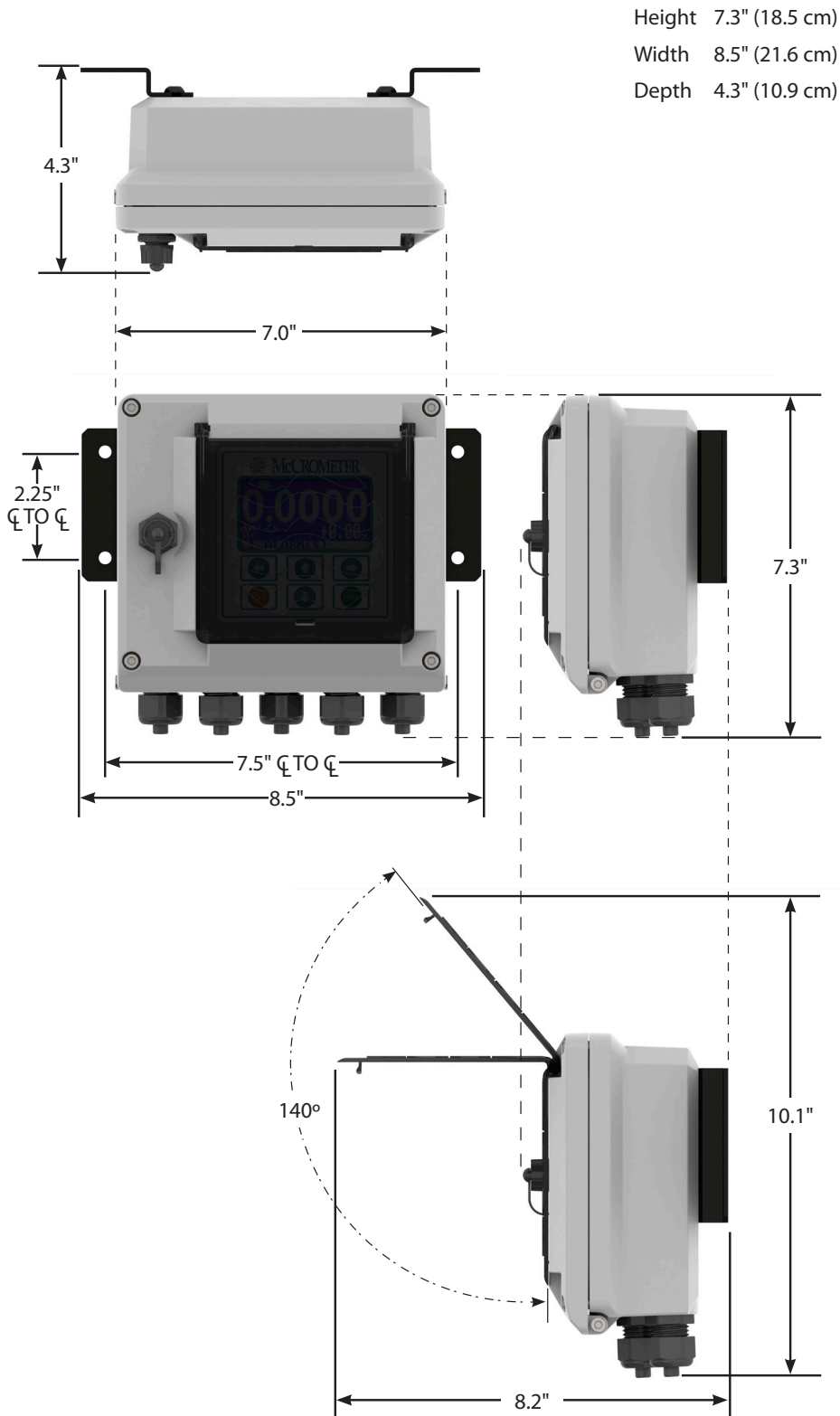
* Not available with SPI Mag

Note regarding cable length: McCrometer recommends minimizing cable length. Electromagnetic flow meters may have unfavorable signal strength to noise ratio in electrically noisy environments. Longer lengths of cable increase the likelihood of interference. In those cases where the meter's signal must be transmitted a long distance, or where the environment may be particularly noisy, we suggest using the converter's analog output(s). That allows locating the converter as close as possible to the metering location.

Specification Sheet

FPI Mag Flow Meter with ProComm Converter

CONVERTER DIMENSIONS



Copyright © 2001-2019 McCrometer, Inc. All printed material should not be changed or altered without permission of McCrometer. Any published pricing, technical data, and instructions are subject to change without notice. Contact your McCrometer representative for current pricing, technical data, and instructions.

3255 WEST STETSON AVENUE • HEMET, CALIFORNIA 92545 USA
TEL: 951-652-6811 • 800-220-2279 • FAX: 951-652-3078
www.mccrometer.com



From: Christina Eggersperger <ceggensperger@waterenvtech.com>
Sent: Monday, June 2, 2025 10:37 AM
To: Dalglish, Alex <Alexander.Dalglish@mt.gov>
Cc: Nave, Jim <jnave@mt.gov>; Pat Thomson <pthomson@waterenvtech.com>
Subject: [EXTERNAL] RE: Form 600P Follow Up

Hi Alex,

Thank you for the feedback! I will work with the Town to get the payment submitted electronically.

We will get the additional items requested in a new narrative that will include the updated map and the data analysis narrative. Yes, everything is in GPM.

Thanks so much!

Christina Eggersperger
ceggensperger@waterenvtech.com
406-531-9486

Have a great day!

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*

From: Dalglish, Alex <Alexander.Dalglish@mt.gov>
Sent: Friday, May 30, 2025 4:22 PM
To: Christina Eggersperger <ceggensperger@waterenvtech.com>
Cc: Nave, Jim <jnave@mt.gov>; Pat Thomson <pthomson@waterenvtech.com>
Subject: RE: Form 600P Follow Up

WARNING - This email originated from an EXTERNAL SOURCE. Do not reply, click any link or open attachments unless you can confirm the sender. *Please report suspicious emails to itsupport*

Hey Christina,

Thanks for sending us the follow up information. There are a few items that I'd like clarify.

First, we still need the \$500.00 fee. The preapplication form is considered incomplete without the fee.

Next, the map needs to show the places of use for overlapping water rights 76M 45355 00 and 76M 13904 00. Can you please also include the Township, Range, Section and quarter-quarter lines?

Finally, page 5 of the PDF follow-up document lists a table with monthly flow measurements. When I reviewed the raw data in the Excel sheet, I could not replicate those flow rate figures in the table. Can you explain how that flow data listed in the PDF was calculated from the raw data, and where each of the two monthly values came from? Also, I presume that both the data table in the PDF and the raw Excel sheet data are in GPM?

Thank you,



Alex Dalglish | Water Conservation Specialist II
Water Resources Division, Missoula Regional Office
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Bldg C

DESK: 406-542-5886 EMAIL: alexander.dalglish@mt.gov

Website | [Facebook \[facebook.com\]](https://www.facebook.com) | [\[facebook.com\]](https://www.facebook.com) | [\[twitter.com\]](https://twitter.com)X [\[twitter.com\]](https://twitter.com)(T
[\[twitter.com\]](https://twitter.com)witter [\[twitter.com\]](https://twitter.com)) | [Instagram \[instagram.com\]](https://www.instagram.com)

How did we do? Let us know here: [Feedback Survey \[forms.office.com\]](https://forms.office.com)

From: Christina Eggensperger <ceggensperger@waterenvtech.com>

Sent: Thursday, May 29, 2025 3:04 PM

To: Dalglish, Alex <Alexander.Dalglish@mt.gov>

Cc: Nave, Jim <jnave@mt.gov>; Thomas, Benjamin <Benjamin.Thomas@mt.gov>; Pat Thomson
<pthomson@waterenvtech.com>

Subject: [EXTERNAL] Form 600P Follow Up

Hi Alex & Jim & Benjamin,

We have attached the follow-up items along with the raw flow data for 2024. In our response we included a table with two flow values for each month of 2024. For the Excel table, the spring flow is Column FT2210. Please let me know if there is anything else that we can provide. Thank you so much!

Christina



Christina Eggensperger, MS, EIT

Project Engineer / Grant Administrator

P: (406) 565-4358

C: (406) 531-9486

waterenvtech.com

**I understand that my working hours/time zone may not be your working hours. Please do not feel obligated to reply outside of your normal work schedule.*



May 29, 2025

DNRC
Water Resources Division
Attn: Alex Dalglish
2705 Spurgin Road, Bldg. C
PO Box 5004
Missoula, MT 59806-5004

Subject: Follow-up Responses for Beneficial Water Use
Permit Application No. 30165209

Alex,

The attached information is provided as amendment of Preapplication Form 600P in response to the preapplication meeting held January 31, 2025. This information includes a figure depicting site features, flow measurements, and flowmeter specifications.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Patrick Thomson'.

Patrick Thomson, PG

A handwritten signature in black ink, appearing to read 'Christina Eggensperger'.

Christina Eggensperger, MS, EIT

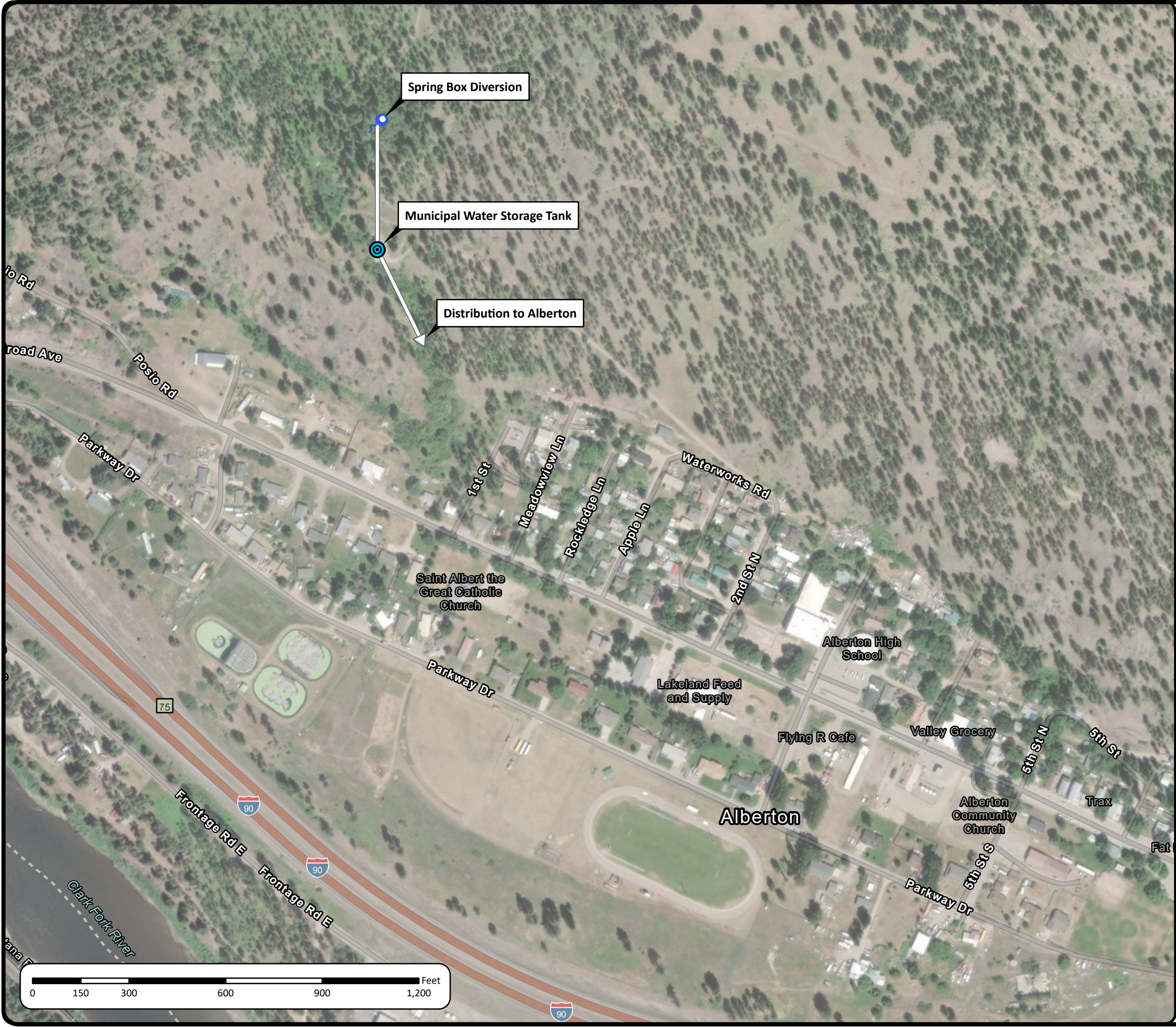
Enclosures

Form 600-P - Follow-Up Items

Questions Marked for Follow-Up:

<u>Questions, Narrative, Responses, and Tables</u>	<u>Response</u>
2. Provide a map created on an aerial photograph or topographic map that shows the following: section corners, township and range, a north arrow, all proposed points of diversion labeled with a unique POD ID number, all proposed places of use, all proposed conveyance structures, all proposed places of storage, and places of use for all overlapping water rights.	Attached
20.b.i. If no gage data is available or if available gage data does not meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the proposed months of diversion, is the source otherwise measured? If yes, Submit available measurements to the Department. Submit with Pre app form.	Attached
20.b.7. Is there a process for maintaining the data and meeting specified accuracy limits? If yes, explain.	Attached

Site Map



-  Spring
-  Water Storage Tank
-  Water Line (Approximate Location)



NO.	DESCRIPTION	DATE	DRAFT	REVIEW
1	MAP CREATION	4/28/25	LG	CE
2	ADD TANK AND WATER LINE	5/8/25	LG	CE
3				
4				
5				

NOTES

SPRING LOCATION

ALBERTON, MINERAL COUNTY, MT

FIGURE 1

JOB#: AMCEM01
DATE: 5/8/2025
Path: M:\AMCEM01\GIS\WaterRight\WaterRight.aprx, Author: JGeorge



Flow Measurements

Month	Flow Rates
January	66.91000366
	66.88999939
February	66.65000153
	66.58000183
March	66.93000031
	66.93000031
April	66.68000031
	66.44000244
May	66.98000336
	66.91000366
June	65.87999725
	64.93000031
July	63.45000076
	62.50999832
August	64.05999756
	61
September	60.88999939
	60.34999847
October	65.94000244
	65.66999817
November	65.16000366
	65.05999756
December	65.75
	65.43000031

Flowmeter Specifications

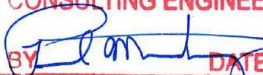
MJD Contracting, LLC.

12 Ponderosa Rd Clancy, MT 59634

Letter of Transmittal

To:

Anderson-Montgomery Consulting En
Attn: Paul Montgomery
1064 N. Warren St.
Helena, MT 59601

REVIEWED	☒
REVIEWED & NOTED	☐
If checked below, fabrication MAY NOT BE UNDERTAKEN	
REVISED & RESUBMIT	☐
Checking is only for conformance with the design concept and compliance with the information given in the Contract Documents. Contractor is responsible for dimensions and quantities, for information that pertains solely to the fabrication and /or construction process, and for coordination of the work of all trades.	
ANDERSON - MONTGOMERY CONSULTING ENGINEERS	
BY 	DATE 7-3-20

Date:

July 2, 2020

Project

Job Name:

Alberton Water System Improvements

Address:

City/State/Zip:

Alberton, MT

We are sending you:

☒ Attached

☐ Under Separate Cover

Via: E-mail

The following items:

☐ Shop Drawings

☐ Plans

☐ Samples

☐ Specifications

☒ Product/Technical Data

Copies	Item Dated	Item No.	Spec Section	Description
1		6	40 71 13	Mag Flowmeter
1		7	40 71 13	Insertion Flowmeter

The above items are transmitted to you:

☒ For approval

☐ Approved as submitted

☐ Resubmitted for approval

☐ For your use

Remarks:

Copy To: _____

Signed:  _____

By signing, I certify that I have reviewed and check submittals for general conformance to the project specifications and methods to be performed.



Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Ultra Mag® Sensor



ProComm Converter



Ultra Mag models UM06 and UM08 flanged tube flow meters are manufactured to the highest standard available for mag meters.

The flanged end tube design permits use in a wide range of applications with up to 300 PSI working pressure.

The fabricated tube is stainless steel with steel or stainless steel flanges and is lined with UltraLiner™, an NSF approved, fusion bonded epoxy material.

INSTALLATION

Ultra Mag flow meter installation is similar to placing a short length of flanged end pipe in the line. The meter can be installed vertically, horizontally, or inclined on suction or discharge lines. The meter must have a full pipe of liquid for proper operation. Fluid must be grounded to the downstream flange of the sensor either via internal grounding electrodes (4 - 12") or using McCrometer 316 SS grounding rings.

For best performance, grounding rings are recommended for all sizes. Any 90 or 45 degree elbows, valves, partially opened valves, etc. should not be placed closer than one pipe diameters upstream and zero pipe diameters downstream.

All blending and chemical injection should be done early enough so the flow media is thoroughly mixed prior to entering the measurement area.

PROCOMM CONVERTER

The signal converter is the reporting, input and output control device for the sensor. The converter allows the measurements, functional programming, control of the sensor and data recording to be communicated through the display and inputs/outputs.

The microprocessor-based signal converter has a curve-fitting algorithm to improve accuracy, dual 4-20mA analog outputs, an optional RS485 communication port, an 8 line graphical backlit LCD display with 6-key touch programming, and a rugged enclosure that meets IP67.

In addition to a menu-driven self-diagnostic test mode, the converter continually monitors the microprocessor's functionality. The converter will output rate of flow and total volume. The converter also comes standard with password protection and many more features.

AVAILABLE ULTRA MAG FLANGED MODELS

UM06

Steel AWWA Class "D" flat face flanges
(150 PSI)

UM08 2", 3", AND ≥14"

Steel AWWA Class "F" raised face flanges
(300 PSI)

UM08 4" TO 12"

Steel ANSI 300 lb. Raised Face Flanges

PERFORMANCE ADVANTAGES

- Needs only 1 pipe diameter upstream of most flow disturbers
- No obstruction to the flow
- No moving parts to wear or break
- Maintenance free
- Worry-free accurate measurement
- Debris or solids will not clog the meter
- No head loss
- Bi-directional flow
- Empty pipe detection
- Unaffected by changes in density and viscosity
- No risk of liner delamination or separation
- Wide flow range
- Separated power and signal cables

TYPICAL APPLICATIONS

Industrial

Raw Water	Process Control
Chilled Water	Effluent Wastewater
Cooling Water	

Clean Water

Well Water	Rate-of-Flow Control
Potable Water	Raw Water Transmission
Pump Stations	

Wastewater

Influent	Waste Activated
Effluent	Sludge
Reclaimed	Return Activated
Lift Stations	Sludge

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Ultra Mag Part Number Matrix

UM		-	-	-	-	-	-	-	-	-	-	-	-	-	-
SINGLE DIRECTION/DIRECTIONAL		06													
150 PSI Service Pressure		08													
300 PSI Service Pressure															
NOMINAL LINE SIZE															
2 in		02													
3 in		03													
4 in		04													
6 in		06													
8 in		08													
10 in		10													
12 in		12													
14 in		14													
16 in		16													
18 in		18													
20 in		20													
24 in		24													
30 in		30													
36 in		36													
42 in		42													
48 in		48													
END CONNECTION OPTIONS															
AWWA Flat Face Flanges (Class D or F)															W
ANSI Raised Face Flanges (150# or 300#)															A
ELECTRODE MATERIAL OPTIONS															
S316 Stainless Steel (Standard)															S
Hastelloy															H
CONVERTER MOUNTING AND CABLE CONNECTOR OPTIONS															
Strain Relief [Remote Mount (Standard)]															R
Quick Connect [Remote Mount]															Q
Meter Mount Converter															M
REMOTE CABLE LENGTH OPTIONS															
25 feet (Standard)															025
50 feet															050
75 feet															075
100 feet															100
125 feet															125
150 feet															150
175 feet															175
200 feet															200
500 feet															500
Custom Length Cable [User Specified]															CST
Meter Mount Converter [No Remote Cable]															000
CONVERTER POWER OPTIONS															
AC Power															A
DC Power															D
Battery Power [25ft remote cable max]															B
CONVERTER OUTPUT OPTIONS															
Dual 4-20mA Analog, Dual Digital (Standard)															1
Modbus + STD (Two 4-20, two Dig)															2
Hart + STD (Two 4-20, two Dig)															3
Datalogger/BIV + STD (Two 4-20, two Dig)															4
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)															5
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)															6
AMI Smart Output + STD (Two 4-20, two Dig)															7*
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)															8*
AMI Smart Output + Dig Out + Datalogger (Battery power only)															9*
Digital Out + Datalogger (Standard Battery Power only)															0
SMART OUTPUT PROTOCOL OPTIONS (*7 OR 8 OUTPUT OPTION REQUIRED)															
No AMI Outputs															-
Sensus Protocol (6ft cable, Nicor Connector hardwired only)															SEN
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)															ITR6
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)															ITR9
NON STANDARD LENGTH OPTIONS															
McCrometer Length (Standard)															S
Competitor Meter Replacement Length															\$
Special Length [Customer Specified]															XL

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

ISOLATED POWER AND SIGNAL

The power and signal between the converter and sensor are isolated and placed in separate cables giving superior resistance to electrical signal noise compared to single cable designs. An added benefit from the dual cable design is a maximum cable length of up to 500ft.

FLOW METER SPECIFICATIONS

Pipe Sizes	
2", 3", 4", 6", 8", 10", 12", 14", 16", 18", 20", 24", 30", 36", 42", 48"	
Flow Direction Measurement	
Forward and reverse flow indication and forward, reverse, net totalization are standard with all meters	
Accuracy	
Plus or minus 0.5% of actual flow (battery powered is $\pm 1\%$ of flow) IMPORTANT NOTICE ON FLOW METER ACCURACY: The flow meter, the cable and the electronics are factory calibrated for accuracy as a single unit. Changing the cable length with the Splice Kit changes the accuracy of the meter and invalidates the calibration certificate.	
Accuracy Tests	
5-point wet flow calibration of every complete flow tube with its signal converter. If desired, the tests can be witnessed by the customer. The McCrometer test facilities are traceable to the National Institute of Standards & Technology. Uncertainty relative to flow is $\pm 0.15\%$	
Repeatability	
$\pm 0.05\%$ or $\pm 0.0008\text{ft/s}$ ($\pm 0.25\text{mm/s}$), whichever is greater	
Conductivity	
5 $\mu\text{s/cm}$	
Liner	
UltraLiner NSF approved, fusion bonded epoxy	
Electrodes	
Type 316 stainless steel, others optional	
Electrical Connections	
• Compression gland seals • Quick-Connect	
IP Rating	
Standard model	• Quick Connect (NEMA 6P/IP68 with remote converter) • Compression gland seals (NEMA 6P/IP68 with remote converter)
HL model	• Quick Connect (IP67) • Compression gland seals (IP67)
Sensor Submersibility Depth	
With standard strain relief cable	9 m (30 ft.)
With optional quick connect cable	1.8 m (6 ft.)

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Head Loss		
	None. No obstruction in line and no moving parts	
Warranty		
Meter	2 year warranty	
Liner	Lifetime guarantee	
Pressure Range		
	150 PSI maximum working pressure (UM06); 300 PSI maximum working pressure (UM08)	
Velocity Range		
	.2 to 32 FPS	
Temperature Range		
	Sensor Operating: -10 to 60°C (14 to 140°F) Sensor Storage: -15 to 60°C (5 to 140° F)	
Certifications and Approvals		
Standard Model	• ISO 9001:2015 certified quality management system • Certified by MET to UL 61010-1	
HL Model	• ISO 9001:2015 certified quality management system • Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04 • Class I, Division 2, Groups A-D, T5 • Class I, Zone 2, IIC T5	
System Options		
	• Hastelloy® electrodes • Additional sensor cable up to 475' • Annual verification / calibration • Stainless steel ID tag	
Meter Options		
	• DC powered converter (10-35 VDC, 21 W) • Meter mounted converter • Extended warranty • Hastelloy® electrodes • ANSI or DIN flanges • Quick Connect cable fittings • Special lay lengths, including ISO standard lay lengths	• Converter sun shield • HART® Converter • Smart Output™ (Sensus or Itron compatible) • Battery or battery-solar powered converter (Not MET approved, ±1% accuracy)

Specification Sheet

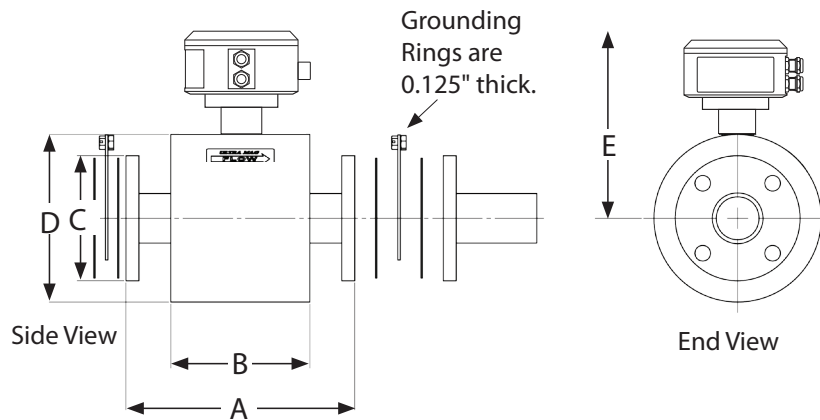
Ultra Mag Flow Meter with ProComm Converter

FLOW METER PIPE SIZES AND FLOW RANGES

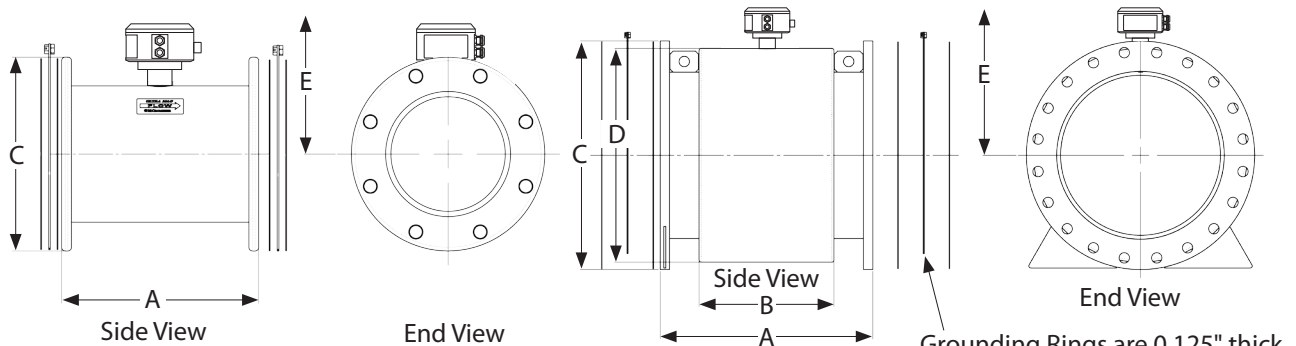
Pipe Size (Nominal)	Meter Pipe ID	Flow Ranges GPM Standard .2 to 32 FPS Min - Max	DIMENSIONS (Lay Lengths)							Estimated Shipping Weight (lbs.)	
			A*		B	C		D	E	UM06	UM08
			UM06	UM08		UM06	UM08				
2"	2.117	2 - 340	11.00	11.00	6.70	6.00	6.50	7.90	9.26	93	107
3"	3.220	5 - 730	13.40	13.40	6.70	7.50	8.25	9.40	10.01	97	111
4"	3.720	8 - 1,140	13.40	13.40	n/a	9.00	10.00	n/a	8.06	78	108
6"	5.692	19 - 2,660	14.60	14.60	n/a	11.00	12.50	n/a	9.06	82	138
8"	7.692	33 - 4,870	16.10	17.25	n/a	13.50	15.00	n/a	10.06	115	195
10"	9.682	52 - 7,670	18.50	18.50	n/a	16.00	17.50	n/a	10.46	144	247
12"	11.682	74 - 11,180	19.70	19.70	n/a	19.00	20.50	n/a	12.31	193	342
14"	13.440	90 - 16,070	21.70	22.75	12.00	21.00	23.00	20.30	15.46	321	476
16"	15.440	118 - 20,900	23.60	25.25	14.20	23.50	25.50	21.10	16.21	390	645
18"	17.440	150 - 26,480	23.60	25.25	14.20	25.00	28.00	21.10	17.21	446	750
20"	19.440	185 - 32,720	25.60	28.25	16.20	27.50	30.50	24.80	18.26	588	874
24"	23.440	270 - 47,180	30.70	35.75	21.70	32.00	36.00	29.60	20.11	769	1,568
30"	29.190	420 - 73,620	35.80	41.75	26.50	38.75	43.00	35.90	23.26	1,261	2,317
36"	35.190	610 - 105,930	46.10	46.10	28.20	46.00	50.00	42.70	26.66	1,696	2,915
42"	41.190	830 - 144,370	48.05	**	32.10	52.75	**	48.35	29.99	**	**
48"	47.190	1,080 - 188,430	50.00	**	36.00	59.50	**	54.00	33.31	**	**

* Laying lengths for meters with ANSI Class 150 Flanges are equal to UM08 laying lengths

** Consult factory



2" and 3" Models Body Style



4" to 12" Models Body Style

14+ inch Models Body Style

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER PART NUMBER MATRIX

PC	-				
CONVERTER MOUNTING OPTIONS					
Remote Mount	R				
Meter Mount	M				
CONVERTER POWER OPTIONS					
AC Power	A				
DC Power	D				
Battery Power [25ft remote cable max]	B				
CONVERTER OUTPUT OPTIONS					
Dual 4-20mA Analog, Dual Digital (Standard)		1			
Modbus + STD (Two 4-20, two Dig)		2			
Hart + STD (Two 4-20, two Dig)		3			
Datalogger/BIV + STD (Two 4-20, two Dig)		4			
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)		5			
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)		6			
AMI Smart Output + STD (Two 4-20, two Dig)		7*			
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)		8*			
AMI Smart Output + Dig Out + Datalogger (Battery power only)		9*			
Digital Out + Datalogger (Standard Battery Power only)		0			
SMART OUTPUT PROTOCOL OPTIONS (*7, 8, OR 9 OUTPUT OPTION REQUIRED)					
No AMI Outputs				-	
Sensus Protocol (6ft cable, Nicor Connector hardwired only)				SEN	
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)				ITR6	
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)				ITR9	

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER SPECIFICATIONS

Power Source

AC	100-240 VAC / 45-66 Hz (10 W) *	* AC or DC must be specified at time of ordering.
DC	10-35 VDC (10 W) *	

Standard Outputs

Dual 4-20mA Outputs: Galvanically isolated and fully programmable for zero and full scale (0-21mA rangeability)		
Two separate digital programmable outputs: open collector transistor usable for pulse, frequency, or alarm settings.		
- Volumetric Pulse - Flow Rate (Frequency) - Hardware Alarm - High/Low Flow Alarms - Empty Pipe - Directional Indication	- Range Indication - Maximum switching voltage: 40 VDC - Maximum switching current: 100mA	- Maximum switching frequency: 1250 Hz - Insulation from other secondary circuits: 500V

Optional Outputs

- Modbus - HART	Smart Output™ (Sensus, Itron 6, Itron 9)	- Datalogger - Built-in verification
--	--	---

Galvanic Isolation

All inputs / outputs are galvanically isolated from power supply up to 500 V

Engineering Units

- Cubic Meter - Cubic Centimeter - Milliliter - Liter - Cubic Decimeter - Decaliter - Hectoliter - Cubic Inches	- US Gallons - Imperial Gallons - Cubic Feet - Kilo Cubic Feet - Standard Barrel - Oil Barrel - US Kilogallon - Ten Thousands of Gallons	- Imperial Kilogallon - Acre Feet - Megagallon - Imperial Megagallon - Hundred Cubic Feet - Megaliters
--	---	---

Conductivity

Minimum conductivity of 5µS/cm

Electrical Connections

Connection options	- Compression gland seals for 0.24" to 0.47" diameter round cable - Conduit option: 1/2" NPT threaded connections
---------------------------	--

Sensor Cable Lengths

Standard	25' McCrometer supplied submersible cable with each remote mount unit.
Optional	Up to 500 feet, or 25 feet max for battery powered.
Quick Connect	Available in standard cable lengths: 25', 50', 75', 100', 125', 150', 175', 200', and 500'. Custom cable lengths at additional cost.

IP Rating

IP67 Die cast aluminum converter (only when connected using compression gland seals)

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model	• ISO 9001:2015 certified quality management system • CE • Certified by MET to UL 61010-1
HL Model	• ISO 9001:2015 certified quality management system • CE • Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04 • Class I, Division 2, Groups A-D, T5 • Class I, Zone 2 IIC T5



System Options

- | | |
|---|---|
| <ul style="list-style-type: none"> • Hastelloy® electrodes • DC power • Additional sensor cable up to 475' (500' max for model 395 and 200' max for model 394) | <ul style="list-style-type: none"> • Extension to hardware clearance • Annual verification / calibration • Sensor insertion tool • Stainless steel ID tag |
|---|---|

Temperature Range

Operating and storage	-20° to 60° C (-4° to 140° F)
------------------------------	-------------------------------

Converter Dimensions

Remote mount	• Height: 7.3" (18.5 cm) • Width: 8.5" (21.6 cm) • Depth: 4.3" (10.9 cm)
Meter mount	• Height: 6.9" (17.5 cm) • Width: 7.2" (18.25 cm) • Depth: 6.2" (15.7 cm)

Keypad and Display

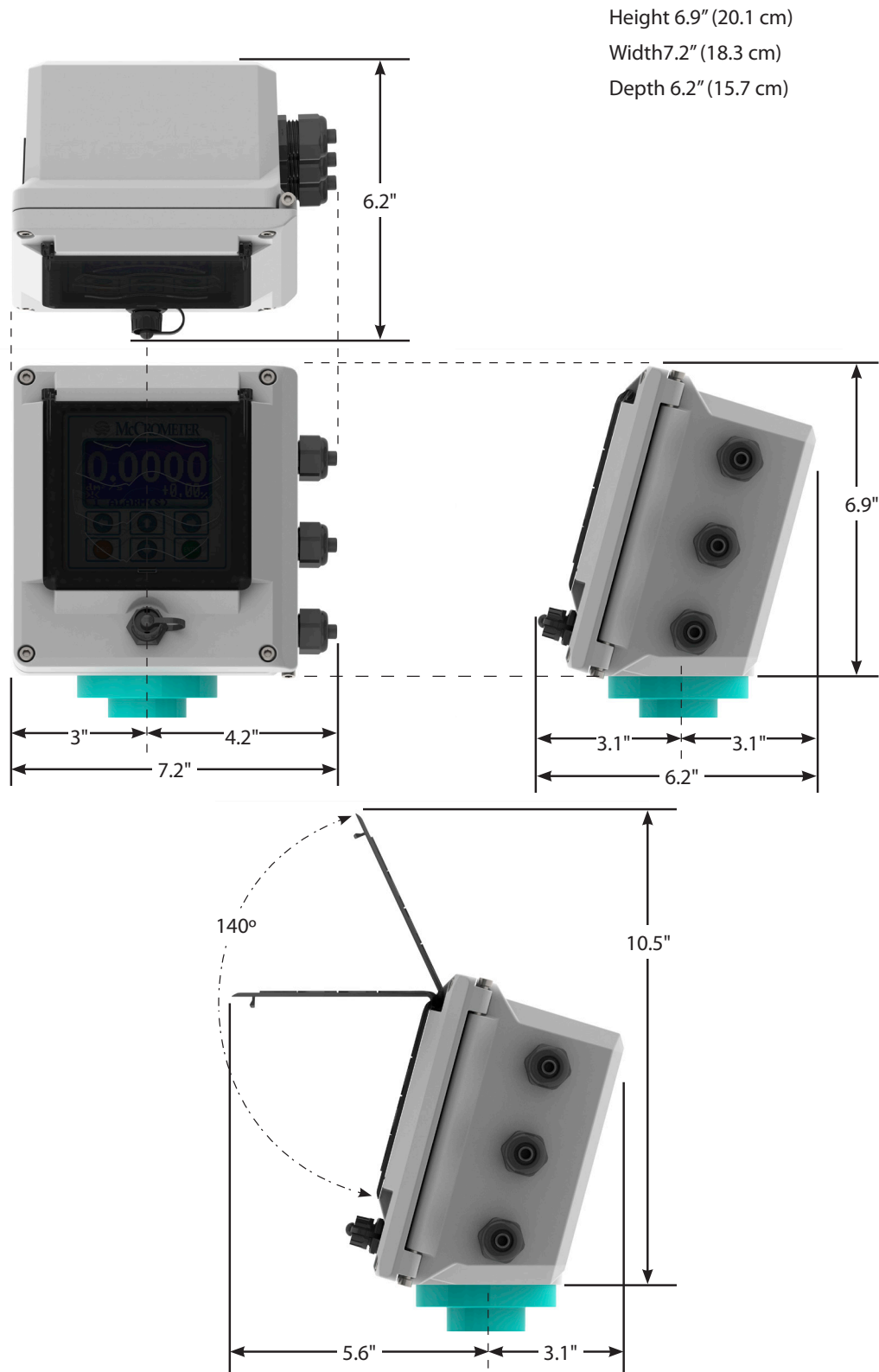
Can be used to access and change set-up parameters using six membrane keys and an LCD display

Note regarding cable length: McCrometer recommends minimizing cable length. Electromagnetic flow meters may have unfavorable signal strength to noise ratio in electrically noisy environments. Longer lengths of cable increase the likelihood of interference. In those cases where the meter's signal must be transmitted a long distance, or where the environment may be particularly noisy, we suggest using the converter's analog output(s). That allows locating the converter as close as possible to the metering location.

Specification Sheet

Ultra Mag Flow Meter with ProComm Converter

METER MOUNT CONVERTER DIMENSIONS



Copyright © 2001-2019 McCrometer, Inc. All printed material should not be changed or altered without permission of McCrometer. Any published pricing, technical data, and instructions are subject to change without notice. Contact your McCrometer representative for current pricing, technical data, and instructions.

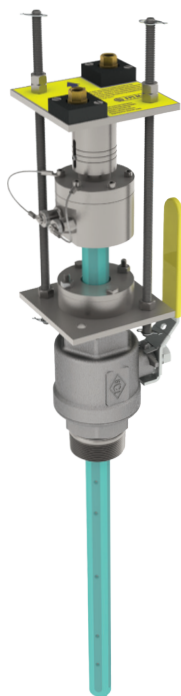
3255 WEST STETSON AVENUE • HEMET, CALIFORNIA 92545 USA
TEL: 951-652-6811 • 800-220-2279 • FAX: 951-652-3078
www.mccrometer.com





FPI Mag® Sensor

ProComm® Converter



The FPI Mag® (Full Profile Insertion) electromagnetic flow meter is the only hot tap full profile insertion flow meter available on the market. The FPI Mag installs without service interruption making it ideal for retrofits, upgrades and maintenance projects and sites never metered before. The hot tap installation significantly reduces installation time eliminating the need to de-water lines or cut pipe.

The multi-electrode sensor delivers an accurate measurement of the full pipe profile rivaling the performance of a full-bore mag meter. The repeatable, stable measurement across the entire flow profile compensates for variable flow profiles, including swirl and turbulent conditions.

The FPI Mag is the industry's most economical flow metering solution offering unbeatable value in the cost of installation and ownership reducing installed costs by more than 45 percent in medium and large line sizes. The compact insertion design fits in confined spaces and offers complete accessibility. The flow meter can be removed in pipes under pressure for easy inspection, cleaning, calibrating, or verification. Installation costs are reduced by eliminating the need for heavy equipment and extensive manpower.

The innovative flow meter comes pre-calibrated from McCrometer's NIST traceable calibration labs and requires no recalibration in the field. With no moving parts and a single-piece design, the FPI Mag's sensor contains nothing to wear or break and is generally immune to clogging by sand, grit, or other debris. The electrodes are encased in a heavy-duty 316 stainless steel sensor body for maximum structural integrity and coated with a NSF certified 3M™ fusion-bonded epoxy coating for operational longevity.

MUNICIPAL WATER AND WASTEWATER

The FPI Mag Full Profile Insertion mag meter supports the following water and wastewater treatment applications:

Water

- Distribution
- Effluent
- Filter balancing and backwash
- Pumping stations
- UV dosing
- Wells and booster stations

Wastewater

- Effluent
- Recycle / reclaim

The FPI Mag is ideal for chilled water in campus style facilities, hospitals, airports, hotels, casinos, etc.

INDUSTRIAL FACILITIES

The FPI Mag is also suitable for a variety of industrial facilities: power plants (including cogeneration), paper mills, chemical & petrochemical plants, metals & mining, and food & beverage.

Applications Include

- Cooling water
- Fire water
- Feed water
- Raw water
- Inlet to surge basin
- Effluent wastewater

Benefits:

- **Hot Tap Installation** - No service interruption
- **Accurate** - Measures the full flow profile
- **Lower Cost** - Installed savings more than 45%
- **Robust** - No moving parts to wear or break
- **Versatile** - Great for plant maintenance, upgrades and retrofits
- **Accessible** - Insertion design provides easy access
- **Virtually No Maintenance** - No field calibration required

FPI MAG PART NUMBER MATRIX

[illegible]

* Maximum cable lengths:
Battery powered converter cable: 25 feet
Model 394: 200 feet
Model 395: 500 feet

continued next page



FPI Mag Flow Meter with ProComm Converter

CONVERTER POWER OPTIONS		
AC Power	A	
DC Power	D	
Battery Power [25ft remote cable max]	B	
Solar Power, Battery Backup [25ft remote cable max]	S	
CONVERTER OUTPUT OPTIONS		
Dual 4-20mA Analog, Dual Digital (Standard)	1	
Modbus + STD (Two 4-20, two Dig)	2	
Hart + STD (Two 4-20, two Dig)	3	
Datalogger/BIV + STD (Two 4-20, two Dig)	4	
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)	5	
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)	6	
AMI Smart Output + STD (Two 4-20, two Dig)	7	
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)	8	
AMI Smart Output + Dig Out + Datalogger (Battery power only)	9	
Digital Out + Datalogger (Standard Battery Power only)	0	
BALL VALVE OPTIONS		
2" NPT SS Ball Valve	N	
2" BSP Brass Ball Valve	B	
No Valve, NPT Hardware	X	
No Valve, BSP Hardware	Y	
SMART OUTPUT PROTOCOL OPTIONS *		
No AMI Outputs	-	
Sensus Protocol (6ft cable, Nicor Connector hardwired only)	SEN	
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR6	
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR9	
HAZARDOUS LOCATION		
Class I, Division 2, Groups A-D, T5	HL	

* Smart Output protocol options require selection of converter output option 7, 8, or 9.



FPI Mag Flow Meter with ProComm Converter

FLOW METER SPECIFICATIONS

The full pipe averaging flow meter comes complete with Mounting Hardware, AC Converter with Dual 4-20mA output, 25 Feet of Dual Submersible Cables with quick connects at sensor, Stainless Steel Body, 316 Stainless Steel Electrodes, NSF Approved Fusion Bonded Epoxy Coating, 2" Stainless Steel Ball Valve (minimum of 1-7/8" port I.D.), 2" x Close Stainless Steel Nipple, 2-Year Warranty.

Measurement

Volumetric flow in filled flow conduits 4" (100 mm) to 138" (3,500 mm) utilizing insertable electromagnetic averaging sensor. Flow indication in English Standard or Metric units.

Flow Measurement

Method	Electromagnetic
Calibrated accuracy for forward and bidirectional sensors	• $\pm 0.5\%$ from 1 f/s to max velocity (on next page), up to $\pm 1\%$ for 0.3 to 1 f/s • $\pm 1\%$ for reverse flow
Linearity	0.3% of Range
Repeatability	0.2% of Reading
Direction measurement	• 395 sensor - Forward flow measurement and reverse flow indication • 394 sensor - bidirectional flow measurement

Materials

Coating	Fusion bonded epoxy (NSF 61 approved) coated 316 stainless steel
Insertion hardware	316 Stainless Steel
Compression seal	Silicone Rubber
Sensor electrodes	316 Stainless Steel

Temperature Range

Operation	-10 to 60°C (14 to 140°F) up to 250 PSI
Storage	-15 to 60°C (5 to 140°F)
	Note regarding storage: During freezing conditions and when meter is not in use, sensor must be removed from pipe and stored in dry conditions.
	NOTE: Damage to the sensor caused by allowing the sensor freeze in the pipe is not covered by the warranty.

Electrical Connections

- Quick Connect
- Compression gland seals

IP Rating

Standard model	• Quick Connect (IP68) • Compression gland seals (IP68)
HL model	• Quick Connect (IP67) • Compression gland seals (IP67)

Sensor Submersibility Depth

With standard quick connect	1.8 m (6 ft.)
With optional strain relief cable	9 m (30 ft.)



FPI Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model

- ISO 9001:2015 certified quality management system
- NSF/ANSI/CAN 61 & NSF/ANSI 372
- Certified by MET to UL 61010-1

HL Model

- ISO 9001:2015 certified quality management system
- NSF/ANSI/CAN 61 & NSF/ANSI 372
- Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04
 - Class I, Division 2, Groups A-D, T5
 - Class I, Zone 2, IIC T5



System Options

- Hastelloy® electrodes
- Additional sensor cable up to 475' (500' max for model 395 and 200' max for model 394)
- Extension to hardware clearance
- Annual verification / calibration
- Sensor insertion tool
- Stainless steel ID tag

Preliminary



FLOW METER PIPE SIZES AND FLOW RANGES

Pipe Size (Nominal)	Pipe ID Range		Flow Ranges (GPM Standard)		Standard Program Defaults ¹	Minimum Clearance Required During Installation ²	Velocity Range ³ (f/s)
	Min Pipe ID	Max Pipe ID	Min (GPM) ¹	Max (GPM) ¹	20mA		
S = Standard (Available in 395 models Pipe Sizes 4" - 24" as shown in table below) C = Custom (Available in all 394 and 395L models Pipe Sizes 4" - 138") Standard Length Hardware and Installation Clearance Dimensions are based on a 4" Maximum Height Coupling and Pipe Schedule Standard							
4"	3.63	4.99	12	1280	600 GPM	51"	0.3 - 32
6"	5.00	6.99	26	2800	1300 GPM	51"	0.3 - 32
8"	7.00	8.99	47	5000	2350 GPM	55"	0.3 - 32
10"	9.00	10.99	80	8000	4000 GPM	55"	0.3 - 32
12"	11.00	12.99	110	11000	5500 GPM	59"	0.3 - 32
14"	13.00	14.99	150	15000	7500 GPM	59"	0.3 - 32
16"	15.00	16.75	190	20000	9500 GPM	59"	0.3 - 32
18"	16.76	18.80	240	26000	12000 GPM	63"	0.3 - 32
20"	18.81	20.99	300	28000	15000 GPM	63"	0.3 - 28
22"	21.00	22.49	400	30000	20000 GPM	67"	0.3 - 25
24"	22.50	25.99	410	33000	20500 GPM	67"	0.3 - 23
30"	26.00	31.99	600	44000	30000 GPM	71.25"	0.3 - 20
36"	32.00	37.99	1000	48000	50 KGPM	77.25"	0.3 - 15
42"	38.00	43.99	1300	56000	65 KGPM	83.25"	0.3 - 13
48"	44.00	49.99	1700	62000	85 KGPM	89.25"	0.3 - 11
54"	50.00	55.99	2200	79000	110 KGPM	95.25"	0.3 - 11
60"	56.00	61.99	2600	97000	130 KGPM	101.25"	0.3 - 11
66"	62.00	67.99	3200	106000	160 KGPM	107.25"	0.3 - 10
72"	68.00	73.99	3800	127000	190 KGPM	113.25"	0.3 - 10
78"-138"	74.00	138.00	Available - Call Factory at 1-800-220-2279				

¹ Default totalizer units measured as KGAL.² Hardware clearance after installation for all sizes is 28".³ Flow temperature range -10° to 60° C (14° to 140° F) up to 250 PSI, max pressure is 250 psi.**! Required Information**

At the time of ordering, please be prepared to provide the following information:

1. Pipe ID and Pipe OD
2. Unit of Measure (US Gallons is Default)
3. Maximum pressure
4. FPI Specification Data Sheet for custom length sensors

Consult factory if any chemicals are in use.



FPI Mag Flow Meter with ProComm Converter

PROCOMM CONVERTER PART NUMBER MATRIX

PC -		-	-	-	-
CONVERTER MOUNTING OPTIONS					
Meter Mount	M				
Remote Mount	R				
CONVERTER POWER OPTIONS					
AC Power	A				
DC Power	D				
Battery Power [25ft remote cable max]	B				
Solar Power, Battery Backup [25ft remote cable max]	S				
CONVERTER OUTPUT OPTIONS					
Dual 4-20mA Analog, Dual Digital (Standard)	1				
Modbus + STD (Two 4-20, two Dig)	2				
Hart + STD (Two 4-20, two Dig)	3				
Datalogger/BIV + STD (Two 4-20, two Dig)	4				
Datalogger/BIV + Modbus + STD (Two 4-20, two Dig)	5				
Datalogger/BIV + Hart + STD (Two 4-20, two Dig)	6				
AMI Smart Output + STD (Two 4-20, two Dig)	7				
Datalogger/BIV + AMI Smart Output + STD (Two 4-20, two Dig)	8				
AMI Smart Output + Dig Out + Datalogger (Battery power only)	9				
Digital Out + Datalogger (Standard Battery Power only)	0				
SMART OUTPUT PROTOCOL OPTIONS *					
No AMI Outputs	-				
Sensus Protocol (6ft cable, Nicor Connector hardwired only)	SEN				
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR6				
Itron 9 digit Protocol (6ft cable, Nicor Connector hardwired only)	ITR9				
HAZARDOUS LOCATION					
Class I, Division 2, Groups A-D, T5	HL				

* Smart Output protocol options require selection of converter output option 7, 8, or 9.



PROCOMM CONVERTER SPECIFICATIONS

Power Source

AC	100-240 VAC / 45-66 Hz (10 W)	Note: AC or DC must be specified at time of ordering.
DC	10-35 VDC (10 W)	

Standard Outputs

Dual 4-20mA Outputs: Galvanically isolated and fully programmable for zero and full scale (0-21mA rangeability)

Two separate digital programmable outputs: open collector transistor usable for pulse, frequency, or alarm settings.

- Volumetric Pulse
- Flow Rate (Frequency)
- Hardware Alarm
- High/Low Flow Alarms
- Empty Pipe
- Directional Indication
- Range Indication
- Maximum switching voltage: 40 VDC
- Maximum switching current: 100mA
- Maximum switching frequency: 1250 Hz
- Insulation from other secondary circuits: 500V

Optional Outputs

- Modbus
- HART
- Smart Output™ (Sensus, Itron 6, Itron 9)
- Datalogger
- Built-in verification

Galvanic Isolation

All inputs / outputs are galvanically isolated from power supply up to 500 V

Engineering Units

- Cubic Meter
- Cubic Centimeter
- Milliliter
- Liter
- Cubic Decimeter
- Decaliter
- Hectoliter
- Cubic Inches
- US Gallons
- Imperial Gallons
- Cubic Feet
- Kilo Cubic Feet
- Standard Barrel
- Oil Barrel
- US Kilogallon
- Ten Thousands of Gallons
- Imperial Kilogallon
- Acre Feet
- Megagallon
- Imperial Megagallon
- Hundred Cubic Feet
- Megaliters

Conductivity

Minimum conductivity of 5µS/cm

Electrical Connections

- Connection options**
- Compression gland seals for 0.24" to 0.47" diameter round cable
 - Conduit option: 1/2" NPT threaded connections

Sensor Cable Lengths

Standard	25' McCrometer supplied submersible cable with each remote mount unit.
Optional	Up to 500 feet, or 25 feet max for battery powered.
Quick Connect *	Available in standard cable lengths: 25', 50', 75', 100', 125', 150', 175', 200', and 500'. Custom cable lengths at additional cost.

IP Rating

IP67 Die cast aluminum converter (only when connected using compression gland seals)

* Not available with SPI Mag



FPI Mag Flow Meter with ProComm Converter

Certifications and Approvals

Standard Model

- ISO 9001:2015 certified quality management system
- CE
- Certified by MET to UL 61010-1

HL Model

- ISO 9001:2015 certified quality management system
- CE
- Certified by MET to UL 61010-1 and MET C22.2 No. 61010-1-04
 - Class I, Division 2, Groups A-D, T5
 - Class I, Zone 2 IIC T5

**IMPORTANT:**

Electrical safety certifications above do not apply to model 282L Single Point Insertion (SPI Mag) Electromagnetic Flow Meter.

System Options

- Hastelloy® electrodes*
- DC power
- Additional sensor cable up to 475' (500' max for FPI Mag)
- Extension to hardware clearance
- Annual verification / calibration
- Sensor insertion tool*
- Stainless steel ID tag

Temperature Range

Operating and storage

-20° to 60° C (-4° to 140° F)

Converter Dimensions

Remote mount*

- Height: 7.3" (18.5 cm)
- Width: 8.5" (21.6 cm)
- Depth: 4.3" (10.9 cm)

Meter mount

- Height: 6.9" (17.5 cm)
- Width: 7.2" (18.25 cm)
- Depth: 6.2" (15.7 cm)

Keypad and Display

Can be used to access and change set-up parameters using six membrane keys and an LCD display

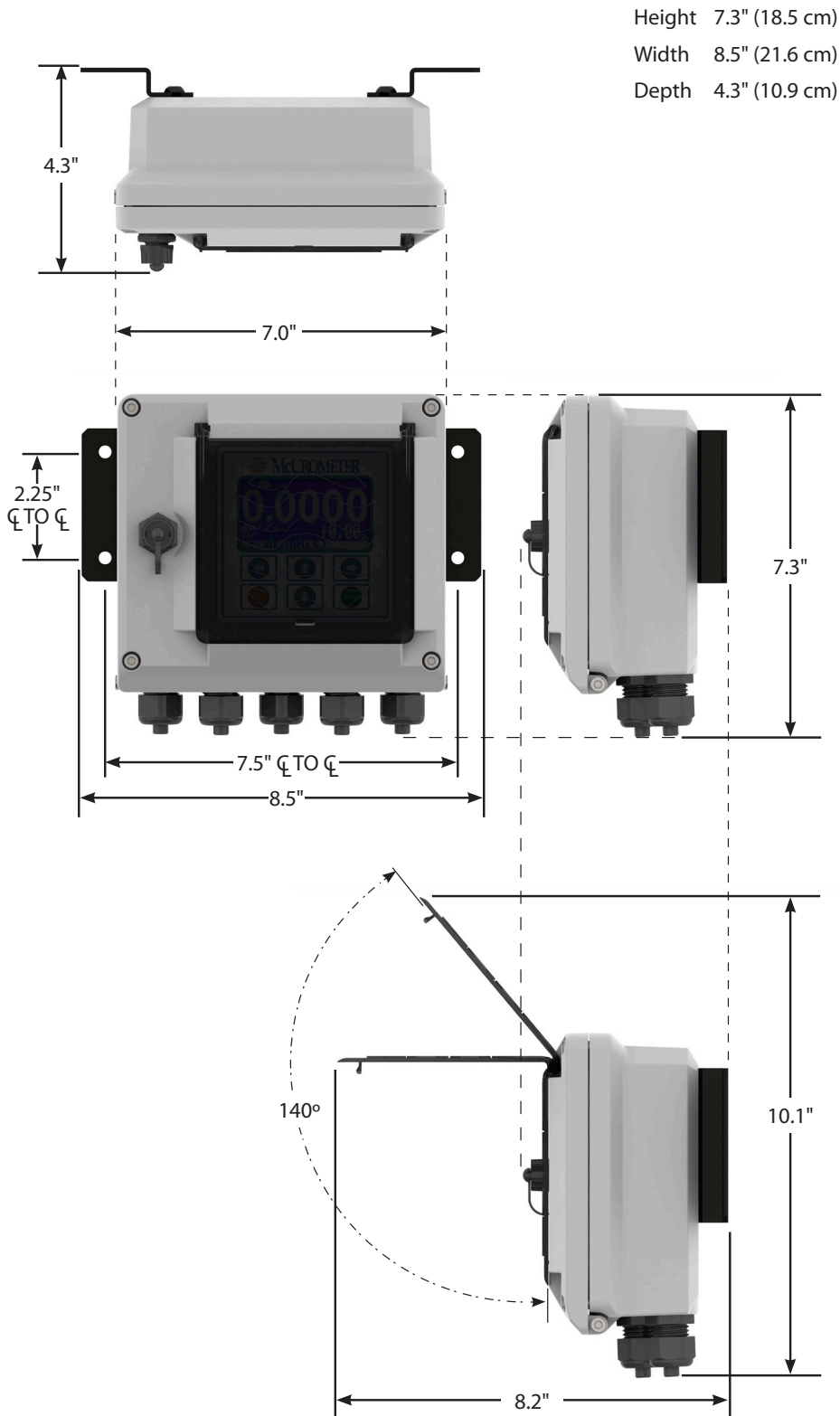
* Not available with SPI Mag

Note regarding cable length: McCrometer recommends minimizing cable length. Electromagnetic flow meters may have unfavorable signal strength to noise ratio in electrically noisy environments. Longer lengths of cable increase the likelihood of interference. In those cases where the meter's signal must be transmitted a long distance, or where the environment may be particularly noisy, we suggest using the converter's analog output(s). That allows locating the converter as close as possible to the metering location.

Specification Sheet

FPI Mag Flow Meter with ProComm Converter

CONVERTER DIMENSIONS



Copyright © 2001-2019 McCrometer, Inc. All printed material should not be changed or altered without permission of McCrometer. Any published pricing, technical data, and instructions are subject to change without notice. Contact your McCrometer representative for current pricing, technical data, and instructions.

3255 WEST STETSON AVENUE • HEMET, CALIFORNIA 92545 USA
TEL: 951-652-6811 • 800-220-2279 • FAX: 951-652-3078
www.mccrometer.com



Excel File Placeholder

The Town of Alberton Follow Up Information – 2024 Raw Flow Data spreadsheet is available outside of the application file.

For pending applications, excel files available upon request from the regional office.

For scanned applications, excel files available in a separate FileNet link.

*Please contact the regional office for
more information.*



REQUEST FOR PREAPPLICATION MEETING

ARM 36.12.1302(2)
(Revised 01/2024)

For Department Use Only

Instructions

Use this optional form to submit a written request for a preapplication meeting, as required in ARM 36.12.1302(2) for applicants electing to complete a preapplication meeting with the department prior to submitting an application for a beneficial water use permit or change in appropriation right pursuant to §85-2-302, MCA. Use additional sheets as necessary.

Submit this form to the appropriate regional office; see contact information on the last page of this form.

Date Received _____

Received By _____

Scheduled Meeting Date _____

1. **Applicant Name** Town of Alberton

Mailing Address PO Box 115

City Alberton State MT Zip 59820

Home Phone _____ Other Phone _____

Email: _____

2. **Representative Name** (if other than Applicant) Pat Thomson, Christina Eggensperger

☒ Representative is Consultant ☐ Representative is Attorney ☐ Representative is Other

Mailing Address _____

City _____ State _____ Zip _____

Home Phone 406-782-5220 Other Phone _____

Email: ceggensperger@waterenvtech.com

3. **Are you requesting a preapplication meeting for a permit or change application?**

☐ Permit ☒ Change

4. **Identify the following elements of the proposed permit or change in appropriation.**

a) The flow rate and volume of water required:

Flow Rate 70 ☒ GPM ☐ CFS Volume 80.86 Acre-Feet

b) The point of diversion:

Point of Diversion #1 NW 1/4 NE 1/4 NE 1/4 Section 3, Township 14 ☒ N ☐ S, Range 23 ☐ E ☐ W
County Mineral

Lot/Tract 1 Block _____ Subdivision Name _____

Point of Diversion #2 _____ 1/4 _____ 1/4 _____ 1/4 Section _____, Township _____ ☐ N ☐ S, Range _____ ☐ E ☐ W
County _____

Lot/Tract _____ Block _____ Subdivision Name _____

c) The place of use:

_____ Acres _____ Lot _____ Block _____ 1/4 _____ 1/4 _____ 1/4 Sec _____, Twp _____ ☐ N ☐ S, Rge _____ ☐ E ☐ W

_____ Acres _____ Lot _____ Block _____ 1/4 _____ 1/4 _____ 1/4 Sec _____, Twp _____ ☐ N ☐ S, Rge _____ ☐ E ☐ W

_____ Acres _____ Lot _____ Block _____ 1/4 _____ 1/4 _____ 1/4 Sec _____, Twp _____ ☐ N ☐ S, Rge _____ ☐ E ☐ W

_____ Acres _____ Lot _____ Block _____ 1/4 _____ 1/4 _____ 1/4 Sec _____, Twp _____ ☐ N ☐ S, Rge _____ ☐ E ☐ W



_____ Acres _____ Lot _____ Block _____ 1/4 _____ 1/4 _____ 1/4 Sec _____, Twp _____ ☐ N ☐ S, Rge _____ ☐ E ☐ W

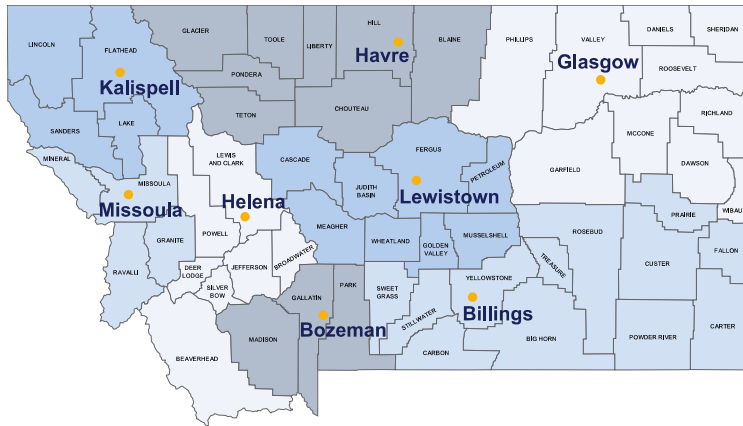
- d) The source of water: groundwater, developed spring
- e) The proposed purpose: domestic
- f) For a change in appropriation right, the water right(s) proposed for change:
- Type of water right Statement of Claim Basin _____ Water Right # 45355
- Type of water right _____ Basin _____ Water Right # _____
- Type of water right _____ Basin _____ Water Right # _____
- g) For a change in appropriation right, an explanation of historical use of the right(s) proposed for change:

The water right has historically been used for domestic use for the town of Alberton.

- h) Any proposed place of storage, if applicable (only if storage capacity is greater than 0.1 acre-feet):
- #1 Capacity: Surface Acres _____ x Max Depth (feet) _____ x (.4 for dams/.5 for pits) = _____ Acre-Feet
- Location: _____ 1/4 _____ 1/4 _____ 1/4 Section _____, Township _____ ☐ N ☐ S, Range _____ ☐ E ☐ W
- #2 Capacity: Surface Acres _____ x Max Depth (feet) _____ x (.4 for dams/.5 for pits) = _____ Acre-Feet
- Location: _____ 1/4 _____ 1/4 _____ 1/4 Section _____, Township _____ ☐ N ☐ S, Range _____ ☐ E ☐ W
- #3 Capacity: Surface Acres _____ x Max Depth (feet) _____ x (.4 for dams/.5 for pits) = _____ Acre-Feet
- Location: _____ 1/4 _____ 1/4 _____ 1/4 Section _____, Township _____ ☐ N ☐ S, Range _____ ☐ E ☐ W
- i) For applications proposing a new well or wells, the well depth(s) and location:
- New Well #1 _____ 1/4 _____ 1/4 _____ 1/4 Section _____, Township _____ ☐ N ☐ S, Range _____ ☐ E ☐ W
- County _____
- Lot/Tract _____ Block _____ Subdivision Name _____
- Estimated Well Depth _____ Feet
- New Well #2 _____ 1/4 _____ 1/4 _____ 1/4 Section _____, Township _____ ☐ N ☐ S, Range _____ ☐ E ☐ W
- County _____
- Lot/Tract _____ Block _____ Subdivision Name _____
- Estimated Well Depth _____ Feet



WATER RESOURCES REGIONAL OFFICES



BILLINGS

Airport Industrial Park, 1371 Rimtop Dr
Billings, MT 59105-9702

PHONE 406-247-4415 FAX 406-247-4416

EMAIL DNRCBillingsWater@mt.gov

Big Horn, Carbon, Carter, Custer, Fallon, Powder River, Prairie, Rosebud, Stillwater, Sweet Grass, Treasure, and Yellowstone Counties



BOZEMAN

2273 Boot Hill Court, Suite 110
Bozeman, MT 59715-7249

PHONE 406-586-3136 FAX 406-587-9726

EMAIL DNRCBozemanWater@mt.gov

Gallatin, Madison, and Park Counties



GLASGOW

222 6th Street South, PO Box 1269
Glasgow, MT 59230-1269

PHONE 406-228-2561

EMAIL DNRCGlasgowWater@mt.gov

Daniels, Dawson, Garfield, McCone, Phillips, Richland, Roosevelt, Sheridan, Valley, and Wibaux Counties



HAVRE

210 6th Ave., PO Box 1828
Havre, MT 59501-1828

PHONE 406-265-5516

EMAIL DNRCHavreWater@mt.gov

Blaine, Chouteau, Glacier, Hill, Liberty, Pondera, Teton, and Toole Counties



HELENA

1424 9th Ave., PO Box 201601,
Helena, MT 59620-1601

PHONE 406-444-6999 FAX 406-444-9317

EMAIL DNRCHelenaWater@mt.gov

Beaverhead, Broadwater, Deer Lodge, Jefferson, Lewis and Clark, Powell, and Silver Bow Counties



KALISPELL

655 Timberwolf Parkway, Suite 4
Kalispell, MT 59901-1215

PHONE 406-752-2288

EMAIL DNRCKalispellWater@mt.gov

Flathead, Lake, Lincoln, and Sanders Counties



LEWISTOWN

613 Northeast Main St., Suite E
Lewistown, MT 59457-2020

PHONE 406-538-7459

EMAIL DNRCLewistownWater@mt.gov

Cascade, Fergus, Golden Valley, Judith Basin, Meagher, Musselshell, Petroleum, and Wheatland Counties



MISSOULA

2705 Spurgin Rd. Bldg. C, PO Box 5004
Missoula, MT 59806-5004

PHONE 406-721-4284 FAX 406-542-5899

EMAIL DNRCMissoulaWater@mt.gov

Granite, Mineral, Missoula, and Ravalli Counties



MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
Water Resources Division – Water Rights Bureau
<https://dnrc.mt.gov/Water-Resources/Water-Rights/>

Existing Rights

- Abstracts of supplemental, associated, or otherwise related water rights

Existing Rights

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O. BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 76M 45355-00 STATEMENT OF CLAIM
Version: 2 -- REEXAMINED
Version Status: ACTIVE
Owners: ALBERTON, TOWN OF
PO BOX 115
ALBERTON, MT 59820-0115
Priority Date: JANUARY 30, 1923
Enforceable Priority Date: JANUARY 30, 1923
Type of Historical Right: USE
Purpose (Use): MUNICIPAL
Maximum Flow Rate: 50.00 GPM
Maximum Volume: 80.86 AC-FT
Source Name: SPRING, UNNAMED TRIBUTARY OF CLARK FORK RIVER
Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1	1	NWNENE	3	14N	23W	MINERAL

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: HEADGATE

Reservoir: OFF STREAM

<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
	NENE	3	14N	23W	MINERAL

Diversion to Reservoir: DIVERSION # 1

Reservoir: OFF STREAM

<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
	NENE	3	14N	23W	MINERAL

Diversion to Reservoir: DIVERSION # 1

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			S2NENE	3	14N	23W	MINERAL
2			S2NWNW	2	14N	23W	MINERAL
3			N2SWNW	2	14N	23W	MINERAL
4			SEnw	2	14N	23W	MINERAL
5			S2SWNE	2	14N	23W	MINERAL
6			N2NWSE	2	14N	23W	MINERAL
7			NWNESE	2	14N	23W	MINERAL

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE ASSOCIATED WHICH MEANS THE RIGHTS SHARE THE SAME PLACE OF USE

13904-00

45355-00

STARTING IN 2008, PERIOD OF DIVERSION WAS ADDED TO MOST CLAIM ABSTRACTS, INCLUDING THIS ONE.

EXISTENCE OF THE CLAIMED RESERVOIR CANNOT BE CONFIRMED WITH AVAILABLE DATA.

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O. BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 76M 13904-00 PROVISIONAL PERMIT

Version: 1 -- ORIGINAL RIGHT

Version Status: ACTIVE

Owners: ALBERTON, TOWN OF
PO BOX 115
ALBERTON, MT 59820-0115

Priority Date: JULY 8, 1977 at 08:05 A.M.

Enforceable Priority Date: JULY 8, 1977 at 08:05 A.M.

Purpose (Use): MUNICIPAL

Maximum Flow Rate: 120.00 GPM

Maximum Volume: 161.00 AC-FT

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		NWNENE	3	14N	23W	MINERAL

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Well Depth: 300.00 FEET

Static Water Level: 99.00 FEET

Casing Diameter: 8.00 INCHES

Purpose (Use): MUNICIPAL

Volume: 161.00 AC-FT

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			S2NENE	3	14N	23W	MINERAL
2			S2NWNW	2	14N	23W	MINERAL
3			N2SWNW	2	14N	23W	MINERAL
4			SENE	2	14N	23W	MINERAL
5			S2SWNE	2	14N	23W	MINERAL
6			N2NWSE	2	14N	23W	MINERAL
7			NWNESE	2	14N	23W	MINERAL

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE ASSOCIATED WHICH MEANS THE RIGHTS SHARE THE SAME PLACE OF USE

13904-00

45355-00

ASSOCIATED RIGHT

THIS CERTIFICATE IS ASSOCIATED WITH WATER RIGHT NO. 76M-W045355.