

**MISSOURI-MADISON RIVER FUND RECREATION PROJECT
FY2023 GRANT APPLICATION FORM**

Project Name: Trapper Springs Well Replacement

Reservoir or River Segment: Lower Madison County(ies) Madison

Site Name (or project location): Trapper Springs Campground

Applicant Name: Erik Lundin

Position and Agency: River Ranger/ Outdoor Recreation Planner (Acting)

Telephone: 406-490-9044

Email: elundin@blm.gov

Project Sponsor Name: Same as above

Position and Agency: _____

Telephone: _____

Email: _____

Project Cost Breakdown and Financial Request:

Complete the financial section below by providing total project cost (to the nearest dollar), contributions by applicant and cooperators, request for NorthWestern Energy match of agency funds (see detailed instruction), and River Fund Grant request. Document in-kind contributions by public agencies for determination of NorthWestern Energy match request. A description of funding sources and in-kind contributions should be included in the Project Description.

Total project cost:	<u>\$40,000</u>	
Applicant Contributions – cash	<u>\$20,000</u>	
Applicant Contributions – value of in-kind:	<u> </u>	
Other Contributions – Please list by source:		
	<u>\$</u>	Percentage of Total Project Cost:
Total Applicant and Other Contributions:	<u>\$20,000</u>	<u>50%</u>
NorthWestern Energy Match Request:	<u>\$5,000</u>	<u>12.5%</u>
River Fund Grant Request:	<u>\$15,000</u>	<u>37.5%</u>
Proposed Project Implementation Period:	<u>Winter/Spring 2022/2023</u>	

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1. Has this project been previously submitted for funding consideration by the River Fund Board, either as a separate project or part of another project? Yes No

If yes, please identify which years the application was submitted and, if the project was previously funded, list the amount funded by year.

2. **Project Description:** Provide a description of the proposed project. Be sure to include specific project elements that are planned, and any associated cost detail.



Trapper Springs Campground is located on the Madison River between California Corner across from Red Mountain Campground.

The existing well has been in operation seasonally for a number of years. The water system is a seasonal public water system generally turned on for public use in the spring and turned off for the winter to reduce the risk of frozen pipes. During the winter the campground gets little visitation and during the spring, summer and early fall months it is a highly trafficked campground right next to an extremely busy and popular fishing and floating section of the Madison River. In the spring of 2022 staff from the BLM attempted to initiate start up procedures of the well but were unsuccessful.

Consulting local well experts and BLM engineering staff determined the current well is inadequate to produce water. The proposed project is to replace the existing nonfunctional well at Trapper Springs Campground in order to provide drinking water to the recreating public. Drilling a new well is estimated to cost \$30,000 with \$10,000 in additional expenses: Abandon existing well \$2,500; Waterline reconfiguration with new 2 inch HDPE pipe \$1,500; Replace 3 existing hydrants \$3,000; Excavation and installation and reroute of underground electrical wiring from New well to pump house electrical panel \$1,500; Removal and disposal of existing waterline features \$1,500.

3. **Project Phasing:** Briefly discuss whether the project could be phased over more than one year or construction season.

▶ It would be most cost effective to complete the project at one time. Due to the nature of the project it does not make sense to draw the project out as exposed waterlines may be affected by adverse weather conditions during the winter months.

4. **Cultural Resource Management:** Cultural Resource Management (CRM) requirements for any activity related to this Project must be completed and documented to NorthWestern Energy as a condition of awarded River Fund grant funds or NorthWestern Energy matching funds. Grant and matching funds may not be used for any land-disturbing activity, or the modification, renovation, or removal of any buildings or structures until the CRM consultation process has been completed. Agency applicants must submit a copy of the proposed project to a designated Cultural Resource Specialist for their agency. Private parties or non-governmental organizations are encouraged to submit a copy of their proposed project to a CRM consultant they may have employed. Private parties and non-governmental organizations may also contact the NorthWestern Energy representative for further information or assistance. Applications submitted without this section completed will be held without any action until the information has been submitted.

Summarize how you will complete requirements for Cultural Resource Management.

▶ BLM is required to analyze all projects to ensure protections for cultural resource management. BLM completes this either with in house archeology staff or through a contractor.

5. **Scoring Criteria.** Respond to the following Scoring Criteria. Put answers in the cell after ▶.

5.1 Does the project occur at a 2188 license site?

▶ No

- 5.2 Project is for operation and maintenance of an existing recreation site. Describe if the project will meet operation and maintenance needs. Higher points awarded to projects that are higher priority and are not a recurring expense. Lower points awarded to projects that are low priority and/or have been previously funded. It is unlikely that the timeframe of River Fund would address emergency operation and maintenance needs but could support non-emergency operation and maintenance needs.
- ▶ Replacing the well and getting this drinking system back online is non-emergency operation and maintenance of an existing recreation site, and the project costs are beyond the scope of agency budgets. Project is for replacement of an existing element of the recreation site. The project will meet the needs of a public water system.
- 5.3 Project involves collaboration with other agencies or organizations. Identify project partners other than NorthWestern Energy or River Fund, if any, and describe their participation. Document all funding sources and all in-kind support and services to a project, because all are sources of partnerships and in-kind contributions from public agencies qualify for calculation of NorthWestern Energy matching funds. If there are no project partners, explain why.
- ▶ BLM will provide a cash deposit of \$20,000 in funds. Which is supported by thousands of fee-paying visitors. No other partners are included.
- 5.4 Project provides a benefit to public recreation in the Project Area and addresses specific issues and goals of the Missouri-Madison Comprehensive Recreation Plan (CRP). Identify how the project provides a benefit to public recreation and describe how the project specifically addresses issues and goals in Chapter 2-1 of the CRP.
- ▶ By improving the water systems at this site, we would be providing safe and well-managed recreation site that provide enjoyable user experiences which is the first goal listed in the CRP. This, in turn will improve user experience and reduce future costs.
- 5.5 Project responds to a clearly identified need. Describe and document the need for this project and how the project would address that need. Cite specific sources, as possible, to establish need and support the project. Discuss consequences if the funding request is unsuccessful. For a new construction or acquisition project, identify how post-project, long-term costs (such as site maintenance and management) will be provided.
- ▶ The project is located along a very popular section of the Madison River. Recreational visitors have come to expect safe and reliable drinking water at Trapper Springs Campground and people camping along Bear Trap Road nearby use the water at Trapper Springs. The BLM did not provide water at Trapper springs in 2022 due to the inoperability of the existing well. There is another water source at nearby Red Mountain Campground however many users consider this inconvenient and problematic with crossing a busy highway to get water. The project will respond to the need of public availability of drinking water for a busy recreation site.
- 5.6 Project design options have been considered, estimated, and a preferred design selected. Well-designed projects reduce occurrences of budgetary overages, design changes, and additional complications. Discuss the current design phase for this project, demonstrate that the project has been well vetted, and include cost estimates.
- ▶ Alternative designs have been considered such as repairing the existing well and a well drawdown test was administered. Functionality of the existing well was deemed inadequate. Project designs have been considered in great details. Engineering drawing and estimates are attached. We have consulted with the companies that could be drilling the wells as well as with DEQ about this project. Everyone has agreed this is the best approach and it is needed.
- 5.7 Project supports or protects other resources and is consistent with or supports resource plans in the Project Area. Describe how this project will protect resource values (such as public access, water quality, fisheries, wildlife, habitats, and cultural resources) and support other resource and agency plans, including Project 2188 License plans and land use and land management plans in place in the Corridor. Management plans should provide justification for the project.
- 5.8
- ▶ The project will increase access to public potable water increasing availability of the resource.
6. Insert map(s) showing the location of the proposed project, drawings and design work related to the project, and a reasonable number of photos (as available) here.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CONTRACT ESTIMATE SUMMARY

Contract/Project Name Trapper Springs Well	Estimator G. Anderson	Date 9/9/2022
Project Location Dillon Field Office	Contract Number	
Project Description Trapper Springs Campground requires a new well for it's public drinking water supply		

<u>Item</u>	<u>Pay Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Cost Amount</u>
<u>1</u>	1	Trapper Springs Well	EA	1	\$30,000.00	\$ 30,000.00
<u>2</u>	2	Waterline Reconfiguration and New 2" HDPE	LF	100	\$15.00	\$ 1,500.00
<u>3</u>	3	Replace Hydrants	EA	3	\$1,000.00	\$ 3,000.00
<u>4</u>	4	Abandon Existing Well	EA	1	\$2,500.00	\$ 2,500.00
<u>5</u>	5	Excavation and Installation of Underground Electrical	FT	100	\$15.00	\$ 1,500.00
<u>6</u>	6	Removal and Disposal of Existing Waterline Features	LS	1	\$1,500.00	\$ 1,500.00
Total Estimated Cost =						\$ 40,000.00

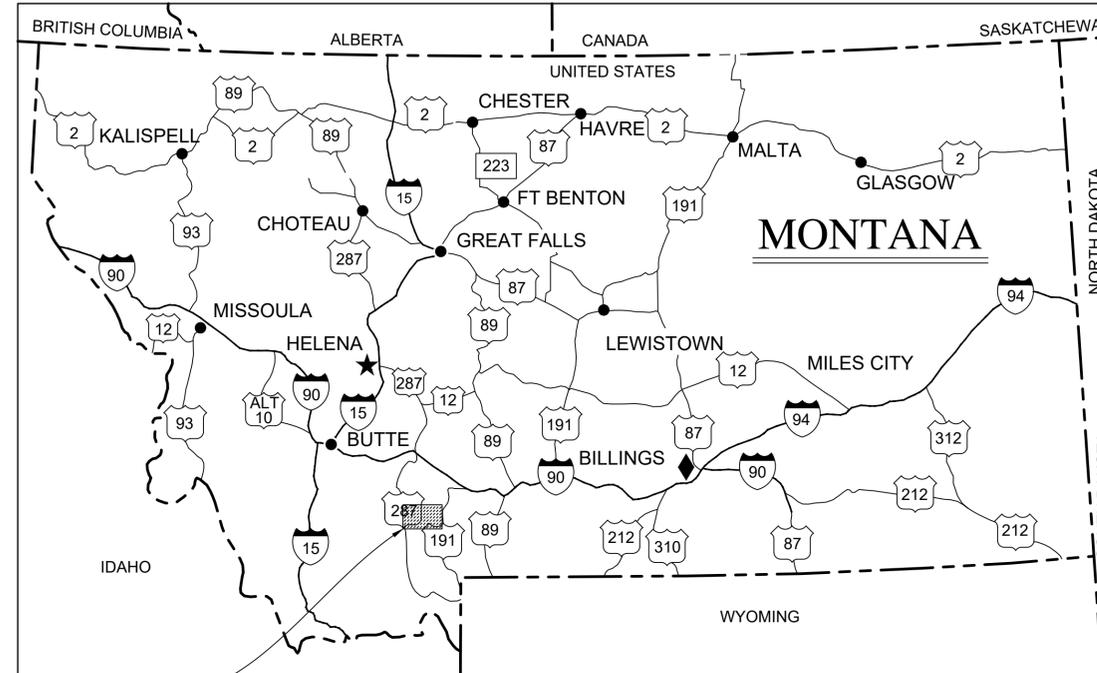


UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

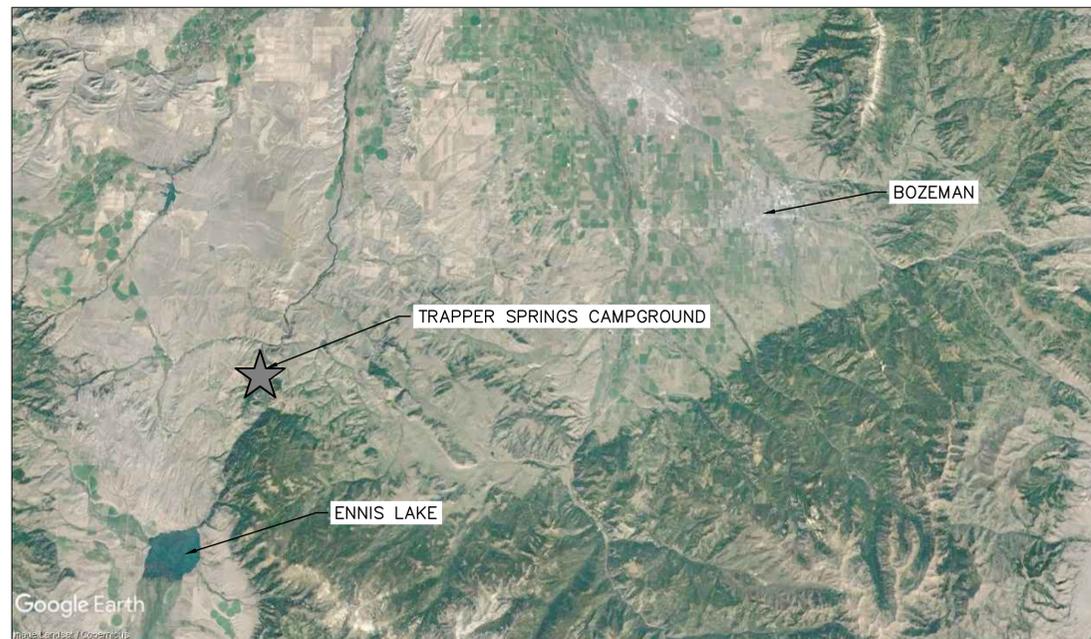
TRAPPER SPRINGS BAY WELL IMPROVEMENT MADISON COUNTY DILLON FIELD OFFICE

GENERAL ENGINEER'S NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING, AND SAFETY CONCERNS ASSOCIATED WITH THIS PROJECT DURING CONSTRUCTION, UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THIS PLAN OR ELSEWHERE IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THIS PLAN.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THIS PLAN.
4. THE QUANTITIES AND SITE CONDITIONS DEPICTED IN THIS PLAN ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE SUBJECT TO ERROR AND OMISSION. CONTRACTOR SHALL SATISFY THEMSELVES AS TO ACTUAL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
5. A REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATIONS OF EXISTING PUBLIC OR PRIVATE UNDERGROUND FACILITIES AND UTILITIES IN THE CONSTRUCTION AREA. THE CONTRACT IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND/OR FACILITIES CAUSED DURING THEIR CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL CALL 48 HOURS IN ADVANCE FOR BLUE STAKE (1-800-STAE-IT) PRIOR TO ANY EXCAVATION.
6. THE CONTRACTOR IS TO VERIFY THE LOCATION AND THE ELEVATIONS OF ALL EXISTING UTILITIES AT POINTS OF TIE-IN PRIOR TO COMMENCING ANY NEW CONSTRUCTION. SHOULD ANY LOCATION OR ELEVATION DIFFER FROM THAT SHOWN ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER WITH DISCREPANCY.
7. THE CONTRACTOR IS TO VERIFY AND COORDINATE ALL DIMENSIONS AND SITE LAYOUT WITH THE FINAL SITE PLAN PRIOR TO CONSTRUCTION AND CONTACT ENGINEER WITH ANY DISCREPANCIES.
8. COORDINATION BETWEEN ALL PARTIES INVOLVED IS ESSENTIAL TO THE CONTRACT.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROJECT AND SITE CONDITIONS, AND TO WORK WITH WEATHER CONDITIONS, AS THE SITE MAY BE LOCATED IN AN AREA WITH EXTREME WEATHER CONDITIONS OR WITHIN A FLOOD PRONE AREA.



PROJECT LOCATION STATE REFERENCE MAP (N.T.S.)



VICINITY MAP (N.T.S.)

DRAWING INDEX	
C1	COVER SHEET
C2	TRAPPER SPRINGS WELL

ESTIMATED QUANTITIES		
ITEM	QUANTITY	UNIT
TRAPPER SPRINGS WELL	1	EA
2" WATERLINE	100	FT
UNDERGROUND ELECTRICAL	100	FT
ABANDON EXISTING WELLS	1	EA
REMOVAL AND DISPOSAL OF EXISTING WATERLINE FEATURES	1	LS

⁽¹⁾ EARTHWORK QUANTITIES ARE "IN PLACE" ESTIMATES. NO SHRINK OR SWELL IS ASSUMED. NO GROUND LOSS IS INCLUDED.
⁽²⁾ THE QUANTITIES ARE AN ESTIMATE OF THE ENGINEER. THE CONTRACTOR SHALL MAKE THEIR OWN INDEPENDENT ESTIMATE OF QUANTITIES AND BID THEREON.

DIRECTIONS TO TRAPPER SPRINGS CAMPGROUND:

FROM BOZEMAN, HEAD WEST ON US-191 S FOR 7.6 MILES. CONTINUE ONTO MT-84 WINORRIS RD FOR 20.6 MILES. TRAPPER SPRINGS CAMPGROUND IS LOCATED ON THE LEFT HAND SIDE OF THE ROAD.



Know what's below.
Call before you dig.



TRAPPER SPRINGS WELL

CONCEPTUAL PLAN
COVER SHEET

APPROVED	DATE	REVISION	MARK

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
DISTRICT: WESTERN MONTANA DISTRICT
DESIGN OFFICE: WESTERN MONTANA DISTRICT
ISSUED FOR: BUTTE FIELD OFFICE ISSUE DATE: 09/09/2022

SHEET
01 OF 02



CONSTRUCTION NOTES

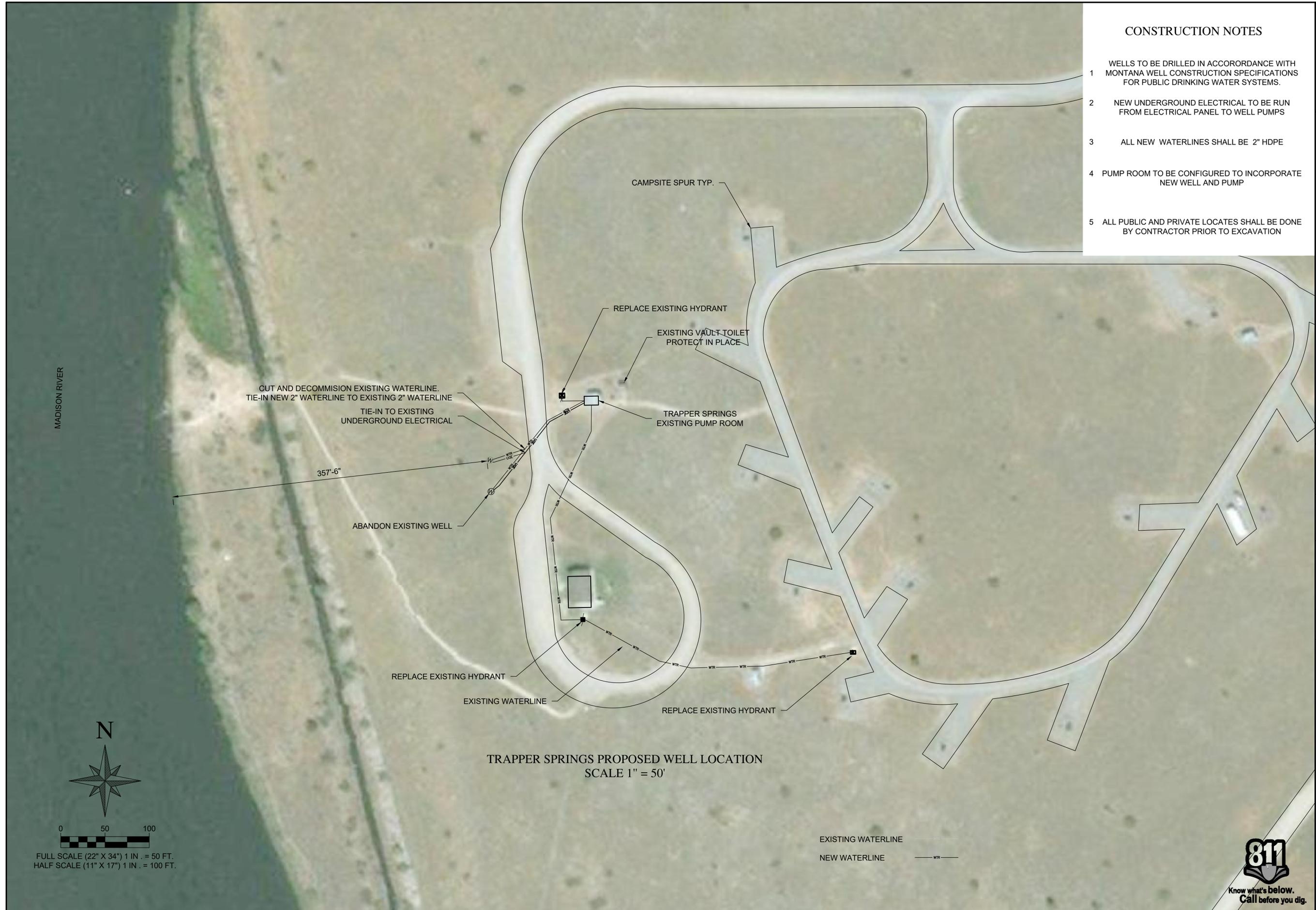
- 1 WELLS TO BE DRILLED IN ACCORDANCE WITH MONTANA WELL CONSTRUCTION SPECIFICATIONS FOR PUBLIC DRINKING WATER SYSTEMS.
- 2 NEW UNDERGROUND ELECTRICAL TO BE RUN FROM ELECTRICAL PANEL TO WELL PUMPS
- 3 ALL NEW WATERLINES SHALL BE 2" HDPE
- 4 PUMP ROOM TO BE CONFIGURED TO INCORPORATE NEW WELL AND PUMP
- 5 ALL PUBLIC AND PRIVATE LOCATES SHALL BE DONE BY CONTRACTOR PRIOR TO EXCAVATION

TRAPPER SPRINGS WELL

CONCEPTUAL PLAN
SITE PLAN

MARK	REVISION	DATE	APPROVED

SHEET **02 OF 02**



TRAPPER SPRINGS PROPOSED WELL LOCATION
SCALE 1" = 50'

FULL SCALE (22" X 34") 1 IN. = 50 FT.
HALF SCALE (11" X 17") 1 IN. = 100 FT.

