

**BILLINGS**

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February 27, 2012

Montana Environmental Quality Council  
P.O. Box 201704  
Helena, MT 59620-1704

**RE: Water System Improvements  
Musselshell, Montana**

Dear Reviewer:

The Musselshell Community-County Water and Sewer District is in the process of evaluating and improving their water system. In order to determine needed improvements, the District completed a Preliminary Engineering Report (PER) for the water system. After evaluating possible alternatives, the PER recommended improvements to the water supply and distribution system as well as some other general system upgrades. A brief summary of each of the improvements is provided below.

Water Supply – Construct a new supplemental/backup water well and wellhouse; Replace pump in Well #1.

Distribution System – Replace all remaining black plastic pipe; Add shut-off valves; Provide looping.

Meters – Install new radio read water meters in outdoor water meter pits.

Existing Wellhouse – Install insulation, heating, and ventilation; Replace pressure tank; Install new generator.

Enclosed please find a map indicating the locations of the proposed water system improvements. The improvements are primarily located in the NW of Section 28 and the NE of Section 29 in Township 9 North, Range 29 East. Most improvements are located within areas or immediately adjacent to areas that have been disturbed previously as part of the original water system installation.

Please review the proposed improvements and return to us any comments you may have regarding the potential environmental impacts of the project, if any, within 30 days. A written response from your program is required by the funding agencies that will be utilized on this project. If you have no comment on this project, please check the box below and countersign the end of this letter and return to us at the address listed above.

If you need further information or have any questions regarding the project, please feel free to contact me at (406) 652-5000 or [cbennett@greatwesteng.com](mailto:cbennett@greatwesteng.com). Thank you.

**HELENA**

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Sincerely,

**Great West Engineering, Inc.**

*Crystal Bennett*

Crystal Bennett, PE  
Project Engineer

[ ] Montana Environmental Quality Council has reviewed the enclosed proposed project and has no comments.

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**OTHER IMPROVEMENTS:**

1. OUTDOOR RADIO READ METERS TO BE INSTALLED AT ALL ACTIVE SERVICE CONNECTIONS.
2. EXISTING WELL HOUSE IMPROVEMENTS INCLUDE: INSULATION, HEATING/VENTILATION, REPLACE PRESSURE TANK AND PROVIDE NEW GENERATOR.



1/4 MILE

ALTERNATE NEW WELL/  
WELLHOUSE SITE

WELL #1 & #2

WELLHOUSE

EXISTING WELL  
HOUSE IMPROVEMENTS

PREFERRED NEW WELL/  
WELLHOUSE SITE

**LEGEND-EXISTING**

- 1 1/2" WATER LINE
- 2" WATER LINE
- 3" WATER LINE
- OUTSIDE TOWNSITE BOUNDARY
- PLATTED TOWNSITE BOUNDARY
- PROPOSED WATER & SEWER DISTRICT BOUNDARY

**LEGEND-IMPROVEMENTS**

- PRIORITY 1**
- REPLACE BLACK PLASTIC PIPE WITH 3" PVC
- ADD CRITICAL GATE VALVES
- PRIORITY 2**
- ADD LOOP (3" PVC)
- ADD GATE VALVES
- PRIORITY 3**
- LOOP REMAINING DEAD ENDS (3" PVC)

**Exhibit A:**

**Proposed Improvements**

MUSSELSHELL COMMUNITY WATER & SEWER DISTRICT  
2012 WATER SYSTEM PER

