

Belle Fourche River Watershed 319 Project  
Available Funding for Best Management Practices

**Criteria for Funding**

Deadline for first round of Applications: April 1, 2006

The Crook County Natural Resource District has approximately \$90,000 in cost-share available to landowners in the Belle Fourche River Watershed area of Crook County. These funds will use best management practices to address water quality concerns.

The purpose of this cost-share program is to demonstrate best management practices that will assist in reducing water quality impacts from non-point sources; such as surface and ground water protection, animal waste management, runoff control, water source development, septic systems, and wildlife concerns. In addition, the program is also aimed at assisting landowners in avoiding regulatory action by state and federal government agencies. (*Attached is an example list of Best Management Practices that could qualify for cost share.*)

FUNDING CRITERIA - The following items will be reviewed by the Advisory Committee and the CCNRD Board of Supervisors to rank the applicants:

1. Is the property within the Belle Fourche River Watershed? (*see attached map of watershed*)
2. Is there a potential water quality concern?
3. Will the project utilize cost effective Best Management Practices?
3. Is the total project cost matched at a 50% rate with non-federal cash or in-kind contributions?

*(This match can include, but not limited to cash contributed by the landowners, local Conservation District, etc. and/or in-kind contributions on behalf of the landowner such as labor, other individual's time, etc.)*

**Crook County Natural Resource District**  
**Cost-share requirements**  
**For Septic Systems**

1. Septic systems support a single family dwelling and must have been installed prior to July 1, 1973.
2. System must be located within a watershed listed by the State as threatened or impaired for fecal coliform, *E. coli* bacteria, or nutrients on the current Section 303(d) list
3. Existing system cannot currently be under formal written violation or order from the WDEQ or Crook County
4. The Crook County NRD certification of installations and all required documentation must be submitted to the CCNRD office prior to reimbursement.
  - a. The participants will submit a signed, itemized statement which will include:
    - Dates of work performed
    - Cost per hour charged
    - Type of equipment used
    - Charge for equipment
    - Type and value of materials used, including on-hand or used materials
    - Type and value of donated labor or materials
    - Other applicable information

In the event that the practice is not certified or approved, the CCNRD will make every effort to work with the landowner and to resolve any concerns so that cost-share can be provided.

**Crook County Natural Resource District**  
**Cost-share reimbursement policy**

Reimbursements through the Belle Fourche River 319 Grant Program will be provided on the following conditions:

1. Individual Best Management Practices must be installed as per the designs provided by the Natural Resources Conservation Service.
2. All practices must meet, or exceed, NRCS Standards and Specifications outlined in the NRCS Field Office Tech Guide.
3. The NRCS District Conservationist must certify the practice(s) and final as-builts prior to a reimbursement request being submitted by the landowner.
4. Cost share payments are to be made by the CCNRD after a practice or identifiable component of the practice has been completed and certified.
5. Available supporting documentation (bills, invoices, etc.) have been submitted to the CCNRD office.
  - b. The participants will submit a signed, itemized statement which will include:
    - Dates of work performed
    - Cost per hour charged
    - Type of equipment used
    - Charge for equipment
    - Type and value of materials used, including on-hand or used materials
    - Type and value of donated labor or materials
    - Other applicable information

In the case that the District Conservationist does not approve an individual practice, CCNRD will make every effort to work with the landowner and NRCS to resolve any concerns so that cost-share can be provided.

**Crook County Natural Resource District  
Belle Fourche River Watershed 319 Project  
Application for Funding – Best Management Practices**

**PROJECT APPLICATION DEADLINE: April 1, 2006**

**Conservation District:** CCNRD                      **County Located:** Crook  
**Contact Person/Project Coordinator:** Yarrow Wolfe, Watershed Coordinator  
**Address:** 117 S. 21<sup>st</sup> Street P.O. Box 1070 Sundance, WY 82729  
**Phone:** (307) 283-2501    **E-mail:** [yarrow.wolfe@wy.nacdnet.org](mailto:yarrow.wolfe@wy.nacdnet.org)

**Landowner Name, Address and Phone Number:**

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**Project Name (and brief description):**

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**General Location within Belle Fourche Watershed (please attach a simple sketch of operation's layout i.e. location of house, roads, water sources, streams, wells, etc.):**

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**Waterbodies Potentially Impacted:** \_\_\_\_\_

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*(Please note that all information included on this page will be for District Use Only. No part of this information will be available for public knowledge. The CCNRD maintains a strict privacy policy for all submitted applications for the grant funding. If the application is selected, the District enters in to a contract with the landowner and the information becomes part of the Belle Fourche 319 Grant and will be submitted to the Department of Environmental Quality (DEQ).)*

**Distance of Concern Area to Surface Water Body:**

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**Age of Septic System (if known):** \_\_\_\_\_

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**Groundwater Depth (if known):**

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**Summary of potential Water Quality concern:** Complete and include enclosed self-assessment with application along with any additional narratives, photographs, drawings, etc. if available. In addition, please include any water quality information supporting the need for the project, if available.

**Self Assessment Summary:**

**Level of Risk:**            **High** \_\_\_\_\_            **Low** \_\_\_\_\_

**Summary of potential water quality impact:** (Include any additional narratives, photographs, drawings, etc. if available. In addition, please include any water quality information supporting the need for the project.)

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**Type of structural and/or management practices possible to improve water quality:**

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**Planned date of Project Implementation:**

**Date initiated:** \_\_\_\_\_ **Date completed:** \_\_\_\_\_

**Amount of Cost Share Funds requested:** \_\_\_\_\_

**Estimated total project cost:** \_\_\_\_\_

**(Total project must be matched with 50% non-federal funds; either with cash or in-kind contributions)**

**Description of potential Information/Education efforts:**

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**Signature of Landowner:** \_\_\_\_\_

**Signature of Contact person/Project Coordinator:** \_\_\_\_\_

**Permission is given to the Crook County Natural Resource District to do a scheduled on-site visit to ensure criteria are met for the project. The District will notify the landowner in advance to set up a time & date of visit.**

\_\_\_\_\_ **Initial here**

**Return completed application and self-assessment to:**

**Crook County Natural Resource District**  
**117 South 21<sup>st</sup> Street P.O. Box 1070**  
**Sundance, WY 82729**  
**Phone: (307)283-2501**  
**E-mail: [yarrow.wolfe@wy.nacdnet.org](mailto:yarrow.wolfe@wy.nacdnet.org)**

**Application Deadline is April, 2006**

**Crook County Natural Resource District**  
**Belle Fourche River Watershed 319 Project**  
**Application for Funding – Best Management Practices**

**PROJECT APPLICATION DEADLINE: March 15, 2004**

**EXAMPLE**

**Conservation District:** CCNRD                      **County Located:** Crook  
**Contact Person/Project Coordinator:** Yarrow Wolfe, Watershed Coordinator  
**Address:** 117 S. 21<sup>st</sup> Street P.O. Box 1070 Sundance, WY 82729  
**Phone:** (307) 283-2501    **E-mail:** [yarrow.wolfe@wy.nacdnet.org](mailto:yarrow.wolfe@wy.nacdnet.org)

**Landowner Name, Address and Phone Number:**

Mr. and Mrs. John Q. Public  
P. O. Box 1000 Anytown, WY 82700  
Phone: 307-555-555

**Project Name -Type of Project (i.e.: agriculture, sewer, etc.):**

**Septic Relocation Project** – 35 year-old septic system has had a direct impact to the nearby Hunter Creek

**General Location within Belle Fourche Watershed (please attach a simple sketch of operation’s layout i.e. location of house, roads, water sources, streams, wells, etc.):**

The system is located on Hunter Creek approximately 20 miles east of Anytown, Wyoming. The septic system is between the house and the creek. (please see attached sketch)

**Waterbodies Impacted:**

Nearby Hunter Creek which flows directly into the Salmon River

*(Please note that all information included on this page will be for District Use Only. No part of this information will be available for public knowledge. The CCNRD maintains a strict privacy policy for all submitted applications for the grant funding. If the application is selected, the District enters in to a contract with the landowner and the information becomes part of the Belle Fourche 319 Grant and will be submitted to the Department of Environmental Quality (DEQ).)*

**Distance of Concern Area to Surface Water Body:** About 20 feet

**Age of Septic System (if known):** 35 years, approximately

**Groundwater Depth (if known):** Unknown

**Summary of potential Water Quality concern:** Complete and include enclosed self-assessment with application along with any additional narratives, photographs, drawings, etc. if available. In addition, please include any water quality information supporting the need for the project, if available.

**Self Assessment Summary:**

**Level of Risk:** High X Low \_\_\_\_\_

**Summary of potential water quality impact:** (Include any additional narratives, photographs, drawings, etc. if available. In addition, please include any water quality information supporting the need for the project.)

Since buying our home, we are concerned of the septic impact to the creek. The previous landowner installed the system around 1962. During high water usage in the house, we noticed an area near the bank that stays green and has grayish water flowing into the creek

**Type of structural and/or management practices possible to improve water quality:**

Permit will be applied for. The old system will then be evaluated and reworked to meet state permit specifications. The existing septic tank may be reworked to meet state permit specifications. The existing septic tank may be salvageable, but a new leach field will be required to stop contamination of the creek.

**Planned date of Project Implementation:**

**Date started:** July 15<sup>th</sup>, 2003

**Date completed:** (projected) September 15<sup>th</sup>, 2003

**Amount of Cost Share Funds requested:** \$2,500

**Estimated total project cost:** \$5,000

(Total project must be matched with 50% non-federal funds; either with cash or in-kind contributions)

**Description of potential Information/Education efforts:**

If anyone is interested in visiting to see the changes that were made to benefit the stream, we would be willing to allow visitors with prior permission from us.

**Signature of Landowner:**   X  

**Signature of Contact person/Project Coordinator:**   X  

Permission is given to the Crook County Natural Resource District to do a scheduled on-site visit to ensure criteria are met for the project. The District will notify the landowner in advance to set up a time & date of visit.

JQP Initial here

**Return completed application and self-assessment to:**

**Crook County Natural Resource District  
117 South 21<sup>st</sup> Street P.O. Box 1070  
Sundance, WY 82729  
Phone: (307)283-2501  
E-mail: [yarrow.wolfe@wy.nacdnet.org](mailto:yarrow.wolfe@wy.nacdnet.org)**

**Application Deadline is March 15<sup>th</sup>, 2004**

## Evaluating Your Septic System Homeowner Self Assessment

Septic System Features	Higher Risk (H)	Lower Risk (L)	Self Assessment Indicate with H or L
Can you locate your septic tank?	No	Yes	
Is there a clean out between the house and the septic tank?	No	Yes	
Can you locate your leach field?	No	Yes	
What is the distance from the septic system to surface waters? (canals, streams, rivers, etc.)	Less than 100 feet away	More than 500 feet away	
Does terrain slope towards or away from surface water?	Toward	Away	
What is the slope of the terrain?	Steep to Moderate	Flat	
What are the soil types?	Gravelly or rocky soils that water runs easily through or very tight, clayey soils that water cannot penetrate	Medium textured soils that allow water infiltration	
What is the distance to any water wells?	Less than 100 feet away	More than 500 feet away	
Is the groundwater from any such well used for human drinking water?	Yes	No	
Determine the relationship between your septic tank size and the size of your house hold. Septic tanks commonly are 1000, 1250 or 1500 gallon tanks. To determine this relationship take the septic tank size (in gallons) and divide that number by the number of bedrooms in your home. For example, if you have a 1000 gallons septic tank and 2 bedrooms in the house, the capacity would be 500 gallons per bedroom.	Less than 250 gallons per bedroom	250 gallons or more per bedroom	

Is an impermeable surface such as concrete, asphalt or brick located over the leach field?	Yes	No	
Are there one or more of the following signs of system malfunction present? <input type="checkbox"/> Septic Odors <input type="checkbox"/> Ponding or wastewater breakout <input type="checkbox"/> Burnt out grass or ground staining over the leach field <input type="checkbox"/> Patches of lush green grass over the leach field <input type="checkbox"/> Pipes exposed at or near the ground surface <input type="checkbox"/> Cracks or signs of leakage in risers and lids	Yes	No	
Trees, large shrubs or other plants with extensive root systems were observed in the vicinity (10 feet) of the leach field?	Yes	No	
Heavy objects (e.g. cars); or evidence from such objects (e.g. tracks and impressions) are in the vicinity (i.e. directly over) the leach field?	Yes	No	
Stormwater, sump pumps, foundation drains or roof runoff is diverted to flow into the septic system?	Yes	No	
An apparent cave-in or exposed component was identified?	Yes	No	
Last time the septic system was pumped?	More than 5 year ago	Less than 3 years ago	

If the response to a specific question falls in between the Higher Risk and Lower Risk categories, please leave the corresponding self-assessment block blank. If after completing the self-assessment you discover the majority of your responses fall into a high risk category, it is recommended that you seek further assistance by contacting the Crook County Conservation District. Even if you have marked only a few in the high-risk category, it is recommended that you explore options to address the potential risk.

## Examples of Best Management Practices

### **AGRICULTURE**

#### Surface and Groundwater Protection

Critical Area Planting  
Fencing  
Filter Strips  
Heavy Use Areas  
Livestock Grazing Management  
Mulching

#### Animal Waste Management

Nutrient Management  
Waste Management  
Waste Storage Structure  
Waste Utilization

#### Runoff Control

Dike  
Diversion  
Flood Water Diversion  
Grassed Waterway  
Hillside Ditch  
Land Smoothing  
Lined Waterway or Outlet  
Open Channel  
Roof Runoff Management  
Sediment Control Basin  
Structure for Water Control  
Surface Drainage (main, lateral, or field ditch)  
Terrace  
Waterspreading  
Water and Sediment Control Basin

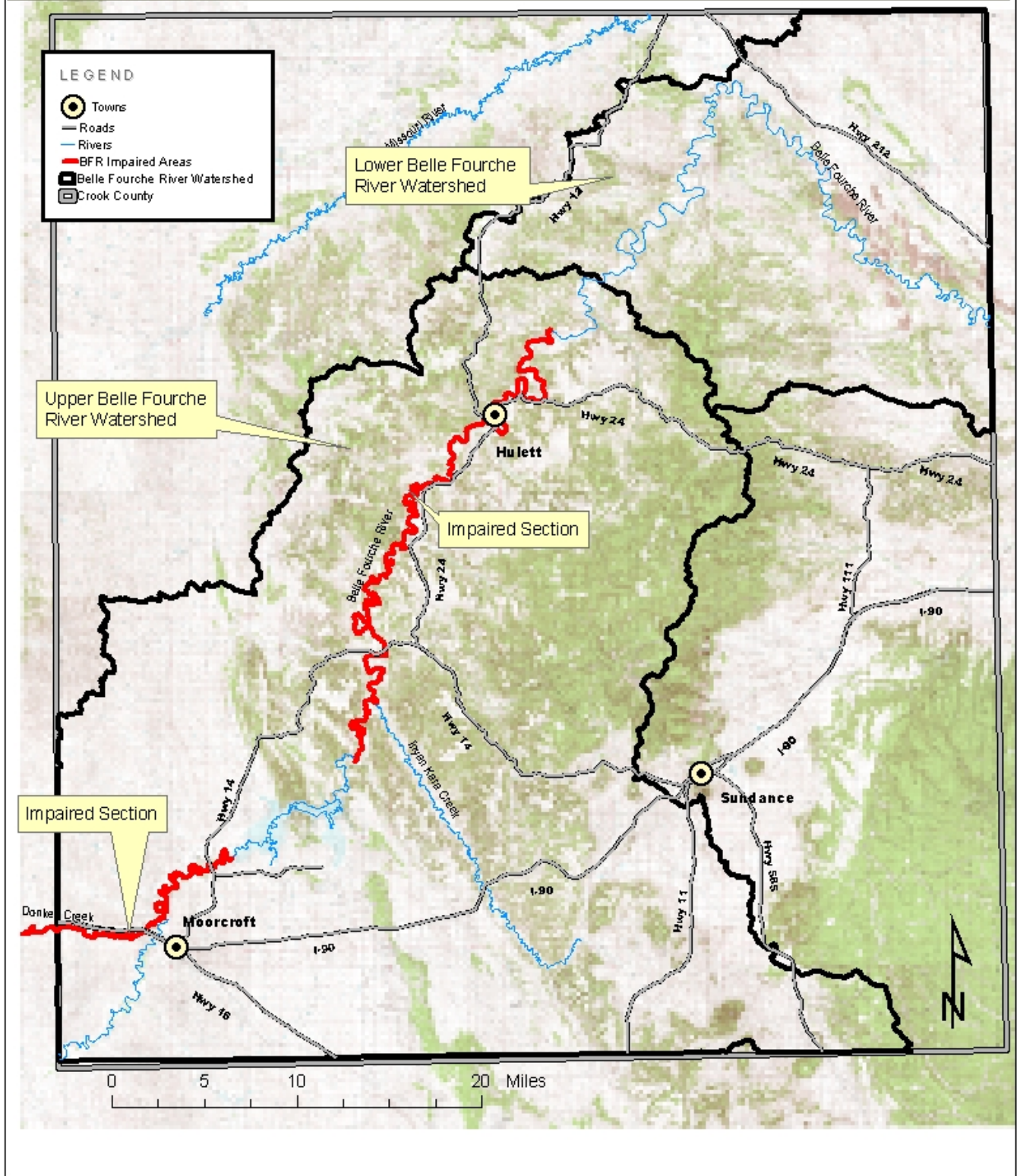
#### Water Source/Supplemental Development

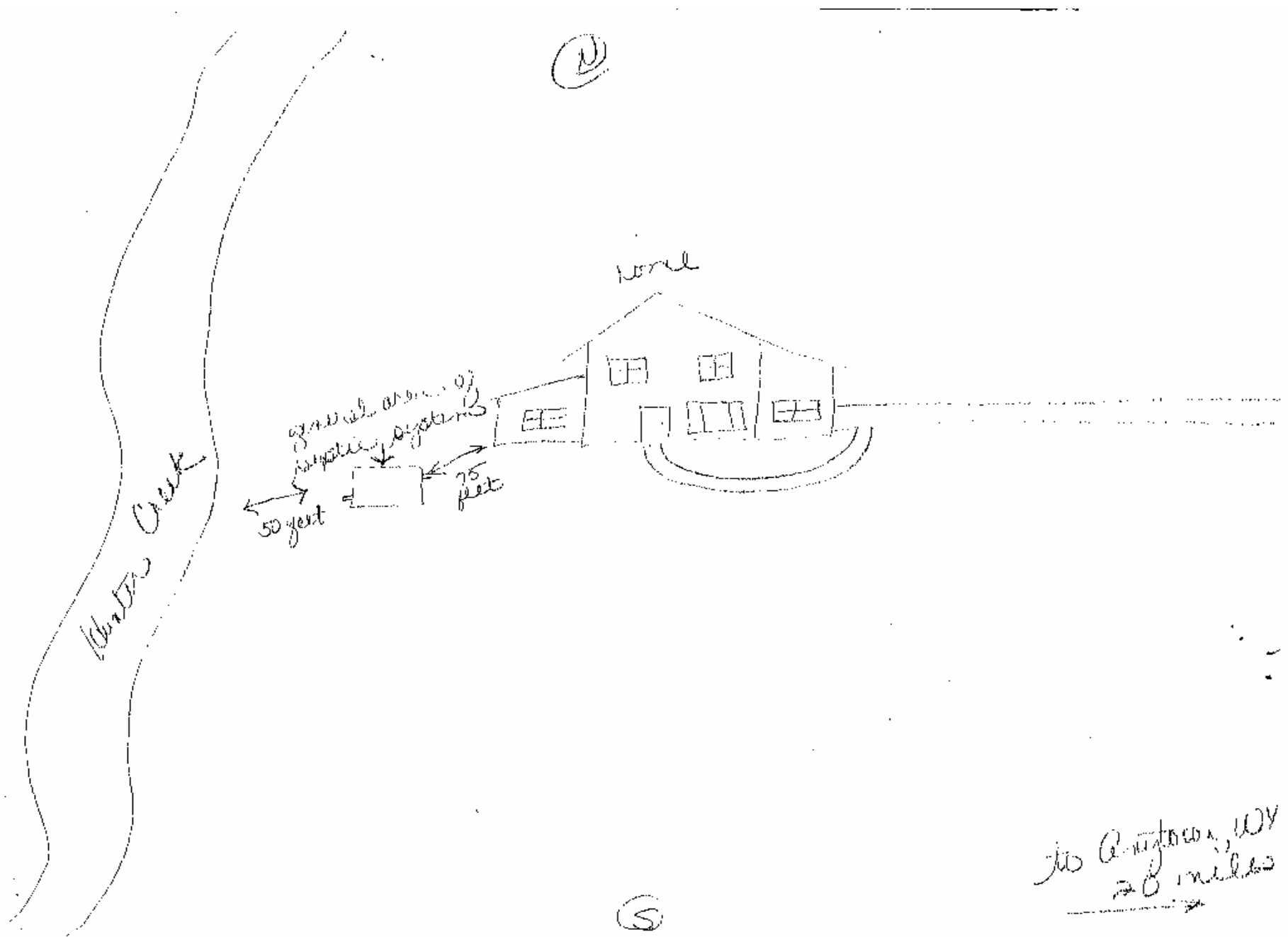
Trough or Tank  
Wells

### **URBAN**

Restoration of Septic Systems  
Retain surface runoff to prevent off-site flow  
Treatment of surface runoff

# Crook County Belle Fourche River Watershed & Impaired River Sections





to Antero, WY  
20 miles



