

Sanitary / Storm Sewer Facilities Applications September 2015



TITLE: Sanitary/Storm Sewer Facilities Funding Applications

EXPLANATION: The following applications have been received by DENR for funding consideration at this meeting. The projects are listed in priority point order as shown in the Intended Use Plan, and the points are listed in parentheses.

- a. Dimock (12)
- b. Lake Madison Sanitary District (7)

COMPLETE APPLICATIONS: Application cover sheets and WRAP summary sheets with financial analysis have been provided as part of the board packet. Complete applications are available online and can be accessed by typing the following address in your internet browser:

<http://denr.sd.gov/bwnrapps/BWNRappsssf0915.pdf>

If you would like hard copies of the applications, please contact Dave Ruhnke at (605) 773-4216.

WRAP REVIEW SHEET
SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF DIMOCK

Project Title: Wastewater Treatment Improvements

Funding Requested: \$528,000

Other Proposed Funding: \$40,000 - Local Cash

Total Project Cost: \$568,000

Project Description: The Town of Dimock is seeking to improve its wastewater treatment facilities and expand the wastewater collection system. The wastewater treatment facility has compliance issues regarding maintaining an adequate depth in the pond and freezing of the influent line in the winter.

Alternatives Evaluated: “Do Nothing Alternative” was evaluated but not recommended as this alternative would do nothing to improve the issues facing the wastewater treatment system.

“Replace existing stream crossing” alternative would replace the existing wooden beam and piling system that has twisted and sagged resulting in leaking wastewater entering the south fork of Twelve Mile Creek. This alternative will replace the line and support system with precast double tee beams supported on concrete piers which will act as insulation and a bridge over the creek to access the pond.

“Wastewater Treatment Upgrades” alternative would include the addition of 3,100 cubic yards of berm material to divide the bi-level pond to the size necessary for maintaining adequate depth and treatment of the waste water. This project also includes the installation of a geosynthetic liner in the new smaller cell. The permitted facility will remain a total retention facility and the additional area will become an artificial wetland.

“Sanitary Sewer Collection System Extension” alternative would extend sanitary sewer collection lines to a development on the southern part of town for future connection of anticipated residential lots. This would include approximately 1,800 feet of 4-inch to 8-inch PVC sewer line, five manholes, twelve 4-inch service connections and road surface restoration.

Implementation Schedule: The city of Dimock anticipates bidding the project in May of 2016 with a project completion date of September 2016.

Service Population: 125

Current Domestic Rate: \$25.00 flat rate

Interest Rate: 3.25% Term: 30 years Security: Wastewater Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount:	If all funding is provided as loan Dimock would have to enact a surcharge of approximately \$36.70. When added to current flat rate of \$25 residents would be paying \$61.70.
----------------------------------	--

25% Funding Subsidy:	\$132,000 subsidy with a loan of \$396,000
Coverage at 25% Subsidy:	Based on a 25% subsidy and a loan of \$426,000 Dimock would have to enact a surcharge of approximately \$27.53 thereby paying a flat rate \$52.53.

50% Funding Subsidy:	\$264,000 subsidy with a loan of \$264,000
Coverage at 50% Subsidy:	Based on a 50% subsidy and a loan of \$264,000 Dimock would have to enact a surcharge approximately \$18.35 thereby paying a flat rate \$43.35.

75% Funding Subsidy:	\$396,000 subsidy with a loan of \$132,000
Coverage at 75% Subsidy:	Based on a 75% subsidy and a loan of \$122,500 Dimock would have to enact a surcharge of approximately \$9.18 thereby paying a flat rate \$34.18.

ENGINEERING REVIEW COMPLETED BY: CLAIRE PESCHONG

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

Sanitary/Storm Sewer Facilities Funding Application

Clean Water State Revolving Fund Program (CWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Town of Dimock Address: PO Box 115 Dimock, SD 57331 Subapplicant: DUNS Number: 04-484-0653	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Proposed Funding Package</td> </tr> <tr> <td style="text-align: right;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$528,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">\$40,000</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-bottom: 3px double black;">\$568,000</td> </tr> </table>	Proposed Funding Package		Requested Funding	\$528,000	Local Cash	\$40,000	Other:		Other:		Other:		TOTAL	\$568,000
Proposed Funding Package															
Requested Funding	\$528,000														
Local Cash	\$40,000														
Other:															
Other:															
Other:															
TOTAL	\$568,000														

Project Title: Dimock Wastewater Improvements

Description:

The Town of Dimock is seeking to improve its wastewater treatment facilities and expand its water distribution and wastewater collection systems. The wastewater treatment facility has compliance issues regarding maintaining an adequate depth in the pond and freezing of the influent line in the winter. Correcting this deficiency includes replacement of the existing stream crossing segment of the influent line as well as the installation of an interior dike dividing the deeper section from the shallow section. Other improvements to the treatment facility include valves, manholes, inlet and transfer lines.

The Town is also planning to serve an area in the southern part of the community through the expansion of its water distribution and wastewater collection systems. The development area is planned to accommodate 20 lots. The project plan calls for 1,400 LF of 8" sewer main, 5 manholes, wyes, service lines, and bedding.

The Town charges \$25/\$30 (residential/commercial) for its sewer service.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Rick Herrold, Town Board President
Name & Title of Authorized Signatory
(Typed)



Signature

August 19, 2015
Date

Professional Consultants

Application Prepared By: Planning and Development District III

Contact Person: Eric Ambroson

Mailing Address: PO Box 687

City, State, and Zip: Yankton, SD 57078

Telephone Number: 605-665-4408 Fax: 605-665-0303

Email address: Eric.Ambroson@districtiii.org

Consulting Engineering Firm: Arens Engineering

Contact Person: Vernon Arens

Mailing Address: 230 Capitol

City, State, and Zip: Yankton, SD 57078

Telephone Number: 605-665-2002 Fax: 605-260-2140

Email address: arenseng@iw.net

Legal Counsel's Firm: Braley Law Office

Contact Person: Mike Braley

Mailing Address: 114 S. 1st St.

City, State, and Zip: Parkston, SD 57366

Telephone Number: 605-928-7958 Fax: 605-928-7950

Email address: mbraley@santel.net

Bond Counsel's Firm: Meierhenry Sargent

Contact Person: Todd Meierhenry

Mailing Address: 315 S. Phillips Ave.

City, State, and Zip: Sioux Falls, SD 57104

Telephone Number: 605-336-3075 Fax: 665-336-2593

Email address: todd@meierhenrylaw.com

Budget Sheet

Cost Classification	A CWSRF/ CWFCP	B	C	D	E	Total Funds
1. Administrative Expenses						
A. Personal Services						
B. Travel						
C. Legal & Bond Counsel	\$5,000					\$5,000
D. Other						
2. Land, Structure, Right-of-Way						
3. Engineering						
A. Bidding and Design Fees	\$21,000					\$21,000
B. Project Inspection Fees	\$38,900					\$38,900
C. Other						
4. Construction & Improvements	\$438,700					\$438,700
5. Equipment						
6. Contractual Services	\$20,000					\$20,000
7. Other						
8. Other						
9. Subtotal (Lines 1-8)	\$523,600					\$523,600
10. Contingencies	\$43,900					\$43,900
11. Total (Lines 9 and 10)	\$567,500					\$567,500
12. Total %	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Proposed Method of Financing

	Secured Funds	Unsecured Funds	Date Unsecured Funds Anticipated
Local Cash(Identify Source)Town of Dimock - reserves		\$40,000	October 13, 2015
Other (Explain) DENR CWSRF		\$528,000	September 25, 2015
Other (Explain)			
Other (Explain)			
Total		\$568,000	\$568,000

Other Funds to be Borrowed

	Amount	Rate	Term	Annual Debt Service	Security or Collateral Pledged
Other					
Other					
Other					

Please attach copies of commitment letters that contain specific terms and conditions for each source of financing.

General Information

The month and day your fiscal year begins: January 1st

Population Served Current: 167 2010 125 2000 151

Top three employers within 30 miles	Number of Employees	Type of Business
<u>Avera Queen of Peace Health Service</u>	<u>650</u>	<u>Health Care</u>
<u>Mitchell School District</u>	<u>430</u>	<u>Education</u>
<u>Trail King</u>	<u>340</u>	<u>Transportation Manufacturing</u>

Repayment Information

Interest rate you are applying for: 3.25% Term: 30

What security is being pledged toward the repayment of this loan?
(Political Subdivisions Only)

- 1. General Obligation Bond (Requires Bond Election)
- 2. Revenue Bond
- 3. Project Surcharge Revenue Bond
- 4. Sales Tax Revenue Bond

Documents That Must Be Submitted With The Application

Financial Documents

1. Most recent audited or unaudited financial statements to include specific accounting for the wastewater fund.
2. Current year's budget for the wastewater fund.
3. Amortization schedules for all existing debt secured by proposed revenue pledged.

Planning and Legal Documents

1. Current governing user charge ordinance or resolution and its effective date.
2. Resolution of authorized signatory for submission of the Sanitary/Storm Sewer Facilities Funding application and signing of payment requests. This resolution must also include the maximum amount requested and description of proposed project.
3. Documentation that the applicant has an active registration on the Federal System for Award Management (SAM) database.
(<https://www.sam.gov>)
4. Facilities Plan.
5. Cultural Resources Effects Assessment Summary.

Items 6-8 apply to Non-profit Entities only

- 6. By-laws.
- 7. Articles of Incorporation.
- 8. Certificate of Good Standing from Secretary of State.

Wastewater Fund Debt Information

Year	_____	_____	_____	_____	_____	_____
Purpose	_____	_____	_____	_____	_____	_____
Security Pledged	_____	_____	_____	_____	_____	_____
Amount	_____	_____	_____	_____	_____	_____
Maturity Date (mmm/yyyy)	_____	_____	_____	_____	_____	_____
Debt Holder	_____	_____	_____	_____	_____	_____
Debt Coverage Requirement	_____	_____	_____	_____	_____	_____
Avg. Annual Required Payment	_____	_____	_____	_____	_____	_____
Outstanding Balance	_____	_____	_____	_____	_____	_____

Comments:

Wastewater Fund Cash Flow Information

Negative cash should be in (Decrease) format Fiscal Year	Prior Year	Prior Year	Current Year	Future Year	Future Year	Future Year
	2013	2014	2015	2016	2017	2018
Operating Revenue						
Base Fees	\$16,377	\$16,552	\$19,326	\$22,100	\$4,260	\$4,260
Surcharge Fees					\$29,820	\$29,820
Other (Explain)			\$6,400			
Operating Expenses						
Personal Services	(\$50)	(\$50)	(\$8,410)	(\$50)	(\$50)	(\$50)
Chemical, Material & Supplies	(\$395)	(\$12,786)	(\$174)	(\$2,250)	(\$2,400)	(\$2,550)
Electric & Other Utilities	(\$89)			(\$110)	(\$115)	(\$120)
Other (Explain)	(\$30)	(\$46)	(\$467)	(\$64)	(\$80)	(\$96)
Operating Net Cash	\$15,812	\$3,670	\$16,676	\$19,626	\$31,435	\$31,264
Nonoperating Cash Flow						
Interest Revenue						
Transfers In (Explain)				\$528,000		
Fixed Asset Purchases		(\$2,170)		(\$567,500)		
Transfers Out (Explain)						
Principal Debt Payments					(\$10,571)	(\$10,920)
Interest Debt Payments					(\$17,003)	(\$16,655)
Other (Explain)						
Nonoperating Net Cash		(\$2,170)		(\$39,500)	(\$27,575)	(\$27,575)
Increase (Decrease) Cash	\$15,812	\$1,500	\$16,676	(\$19,874)	\$3,860	\$3,689
Beginning Cash Balance	\$98,359	\$114,171	\$115,672	\$132,347	\$112,473	\$116,334
Ending Cash Balance	\$114,171	\$115,672	\$132,347	\$112,473	\$116,334	\$120,023
Restricted Balance						
Unrestricted Balance						

Additional Comments (Explanations)

2014 Expenses: "Supplies" expenses include \$12,663.71 for concrete and \$122.50 for general supplies. Non-operating includes \$2,169.50 for a mower (fixed asset).
 2015 Revenue: "Other" includes Small Community Planning Grant, \$6,400. Old/new rates
 2015 Expenses: Through 6/15. "Personal Services" includes \$8,360 for engineering services. "Other" includes \$414 bill from Bender Sewer. No other expenses projected.
 2016 "Transfer In" include loan proceeds and asset purchase for proposed project.
 2016 includes one full year of revenue at the Town's current rate structure (effective 7/1/15).

2017-2018: Revenue assumptions include: \$5.15/user/month base fees (assume 69 users) and \$36/user/month surcharge fees to cover 110% of debt service.

Restricted Funds Breakdown:

<u>Amount</u>	<u>Anticipated Expense</u>	<u>Method Used to Encumber</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Wastewater Fees:

** Attach current and proposed rate ordinances or resolutions and rate schedules.

Municipal or Sanitary District - monthly rates at 5,000 gallons (670 cubic feet)

Other Community System - monthly rates at 7,000 gallons (935 cubic feet)

Check one: Incorporated Municipality or Sanitary District
 or
 Other Community System

Monthly	Current Rate	Proposed Rate	# of Accounts	Average use Gallons/Cubic Feet
Domestic	\$25.00	_____	62	3100 gal/month
Business	\$30.00	_____	5	_____
Other:Dimock Dairy	\$85.00	_____	1	_____
Other:SS Peter & Paul	\$57.00	_____	3	_____

Are fees based on usage or flat rate? Flat rate

When is proposed fee scheduled to take effect? 7/1/2015

When did the current fee take effect? 3/16/2015

What was the fee prior to the current rate? \$17 residential, \$20 commercial

Storm Sewer Projects Only: Does applicant have a separate storm water fee? _____

If yes, attach the current and proposed rate ordinances or resolutions and rate schedules.

Two Largest Customers	Type of Business	% of System Revenue
<u>Dimock Dairy</u>	<u>Food Product Manufacturing</u>	<u>4.7%</u>
<u>SS Peter & Paul</u>	<u>Church</u>	<u>4.4%</u>

Property Tax Information

(Complete section only if General Obligation bond is pledged to repay your loan.)

Three year valuation trend:

Year	_____	_____	_____
Assessed Valuation	_____	_____	_____

Three year levies and collection trend:

Year	_____	_____	_____
Amount Levied	_____	_____	_____
Collected	_____	_____	_____

Five Largest Taxpayers	Description	Assessed Valuation
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Comments:

General Fund Debt Information

Year						
Purpose						
Security Pledged						
Amount						
Maturity Date (mmm/yyyy)						
Debt Holder						
Debt Coverage Requirement						
Avg. Annual Required Payment						
Outstanding Balance						

Comments:

Sales Tax Debt Information

Year						
Purpose						
Security Pledged						
Amount						
Maturity Date (mmm/yyyy)						
Debt Holder						
Debt Coverage Requirement						
Avg. Annual Required Payment						
Outstanding Balance						

Comments:

Facilities Plan Checklist

Before submitting the application, please take a few moments to complete the following checklist. Addressing these items prior to submitting the application will expedite the review process.

Clean Water Facilities Plan document can be found at <http://denr.sd.gov/dfta/wwf/cwsrf/sanstsewerfunding.aspx>

Checklist of SRF Facilities Plan Requirements

Have the following items been addressed?

- ◆ Submission of a Facilities Plan to the department that addresses those items found in the Wastewater Facilities Plan document.
- ◆ A public hearing held discussing the project and the use of an SRF loan to finance the project.
- ◆ Minutes of the public hearing prepared and submitted to the department's engineer for inclusion into the final Facilities Plan.
- ◆ The affidavit of publication of the public hearing received and submitted to the department's engineer for inclusion into the final Facilities Plan.
- ◆ The four review agencies contacted and responses received for inclusion into the final Facilities Plan.
- ◆ The Cultural Resources Effects Assessment Summary and supporting documentation, such as an archaeological survey or Historic Register database search.

Certification of Point Source Needs Categories

Identify the loan amount associated with the needs categories described below. If the loan addresses needs in more than one category, please break down the total amount into estimated amounts for each category.

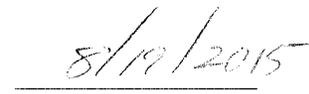
Category	Definition	Loan Amount
I	<p><u>Secondary Treatment and Best Practicable Wastewater Treatment Technology.</u> Costs for facilities to achieve secondary levels of treatment, regardless of the actual treatment levels required at the facility site. Incremental costs for treatment levels above secondary are to be reported in Category II. For purposes of the Survey, "best practicable wastewater treatment technology" and secondary treatment are considered synonymous. Identified alternative conveyance systems (e.g., small diameter gravity, pressure and vacuum sewers) are to be included in Category I.</p>	<hr/> \$394,900
II	<p><u>Advanced Treatment.</u> Incremental costs above secondary treatment for facilities which require advanced levels of treatment. This requirement generally exists where water quality standards require removal of such pollutants as phosphorus, ammonia, nitrates, or organic and other substances. In addition, this requirement exists where removal requirements for conventional pollutants exceed 85 percent.</p>	<hr/>
III A	<p><u>Infiltration/Inflow Correction.</u> Costs for correction of sewer system infiltration/inflow (I/I) problems. Costs should also be reported for the preparation of preliminary I/I analysis or for a detailed sewer system evaluation survey.</p>	<hr/>
III B	<p><u>Major Sewer System Rehabilitation.</u> Replacement and/or major rehabilitation of existing sewer systems. Costs are reported if the corrective actions are necessary to the total integrity of the system. Major rehabilitation is considered to be extensive repair of existing sewer beyond the scope of normal maintenance programs (i.e., where sewers are collapsing or structurally unsound).</p>	<hr/>

Category	Definition	Loan Amount
IV A	<u>New Collectors and Appurtenances.</u> Costs of construction of new collector sewer systems and appurtenances designed to correct violations caused by raw discharges or seepage to waters from septic tanks, or to comply with Federal, State, or local actions.	\$172,600
IV B	<u>New Interceptors and Appurtenances.</u> Costs for new interceptor sewers and pumping stations necessary for the bulk transmission of clean water.	
V	<u>Correction of Combined Sewer Overflows.</u> Costs for facilities, including conveyance, storage, and treatment, necessary to prevent and/or control periodic bypassing of untreated wastes from combined sewers to achieve water quality objectives and which are eligible for Federal funding. It does not include treatment and/or control of storm waters in separate storm and drainage systems.	
VI	<u>New Construction or Rehabilitation of Storm Sewer Systems and Appurtenances.</u> Costs of new construction or rehabilitation associated with the bulk transmission or detention of storm sewer flows. This category includes only runoff projects in communities with Phase I or Phase II storm water permits.	
TOTAL:		\$567,500

Rick Herrold, Town Board President

Name & Title of Authorized Representative


Signature of Authorized Representative


Date

Certification of Nonpoint Source Needs Categories

Identify the loan amount associated with the needs categories described below. If the loan addresses needs in more than one category, please break down the total amount into estimated amounts for each category.

Category	Definition	Loan Amount
VII A	<u>NPS pollution - agricultural activities.</u> Plowing, pesticide spraying, irrigation, fertilizing, planting, and harvesting. Example BMPs include conservation tillage, nutrient management, and irrigation water management.	_____
VII B	<u>NPS pollution - animal production.</u> Confined animal facilities and grazing. Example BMPs include animal waste storage, animal waste nutrient management, composting, and planned grazing.	_____
VII C	<u>NPS pollution - forestry.</u> Removal of streamside vegetation, road construction and use, timber harvesting, and mechanical preparation for the planting of trees. Example BMPs include pre-harvest planting, streamside buffers, road management, and revegetation of disturbed areas.	_____
VII D	<u>NPS pollution - new or existing development in urban or rural setting.</u> Erosion, sedimentation, and discharge of pollutants (e.g. inadequately treated wastewater, oil grease, road salts, and toxic chemicals) into water resources from construction sites, roads, bridges, parking lots, and buildings. Example BMPs include wet ponds, construction site erosion and sedimentation controls, sand filters, and detention basin retrofit. This category includes only runoff projects in communities without Phase I or Phase II storm water permits.	_____
VII E	<u>NPS pollution - ground water protection.</u> Wellhead and recharge protection areas. Activities attributed to specific causes are included in a later, more specific category.	_____
VII F	<u>NPS pollution - boating and marinas.</u> Poorly flushed waterways, boat maintenance activities, discharge of sewage from boats, and physical alteration of shoreline, wetlands, and aquatic habitat during operation or construction of a marina. Example BMPs include pump out systems and oil containment booms.	_____

Category	Definition	Loan Amount
VII G	<u>NPS pollution - mining and quarrying activities.</u> Example BMPs detention berms and seeding or revegetation.	
VII H	<u>NPS pollution - abandoned, idle, and under used industrial sites.</u> All pollution control activities at these sites regardless of activity. Example BMPs include ground water monitoring wells, in situ treatment of contaminated soils and ground water, capping to prevent storm water infiltration, and storage tank activities at brownfields.	
VII I	<u>NPS pollution - tanks designed to hold chemicals, gasoline, or petroleum products.</u> Tanks may be located either above or below ground. Example BMPs include spill containment, in situ treatment of contaminated soils and ground water, and upgrade, rehabilitation, or removal of petroleum/chemical storage tanks.	
VII J	<u>NPS pollution - sanitary landfills.</u> Example BMPs include leachate collection or on-site treatment, gas collections and control, and capping and closure.	
VII K	<u>NPS pollution - channel modification, dams, streambank and shoreline erosion, and wetland or riparian area protection or restoration.</u> Example BMPs include conservation easements, swales or filter strips, shore erosion control, wetland development and restoration, and bank and channel stabilization.	\$567,500
VII L	<u>NPS pollution - rehabilitation or replacement of individual or community sewerage disposal system.</u> Construction of collector sewers to transport wastes to a cluster septic tank or other decentralized facilities. Collection sewers and expansion of existing or construction of new centralized treatment facilities that replace individual or community sewerage disposal system are included on Point Source Category table.	
TOTAL:		\$567,500

Rick Herrold, Town Board President

Name & Title of Authorized Representative

Signature of Authorized Representative

8/19/2015

Date

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 U.S.C. § 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Rick Herrold, Town Board President

Name & Title of Authorized Representative



Signature of Authorized Representative



Date

I am unable to certify to the above statements. Attached is my explanation

**Town of Dimock
Wastewater Improvements**

DENR Clean Water SRF

Attachments

1. Financial Documents
 - 2014 Financial Statement
 - 2015 Sewer Budget
 - Amortization Schedule for Proposed Project
2. Planning / Legal Documents
 - Minutes of Meeting for Rates
 - Authorizing Resolution
 - SAM Registration
 - Facilities Plan
 - Cultural Resources Effects Assessment Summary /
Environmental Review

filed 3-31-15

Exhibit I

MUNICIPALITY OF D. mock
STATEMENT OF FUND CASH BALANCES
ALL FUNDS
December 31, 2014

	General Fund	Fund	Fund	Enterprise Funds				Total
				Water Fund	Sewer Fund	Fund	Fund	
Cash Assets:								
Cash in Checking Accounts	<u>34990.44</u>				<u>115669.46</u>			<u>150659.90</u>
Change and Petty Cash								
Passbook Savings								
Savings Certificates								
101 FUND CASH BALANCES (Note 1)	<u>34990.44</u>				<u>115669.46</u>			<u>150659.90</u>

Municipal funds are deposited or invested with the following depositories:

<u>Farmers State Bank</u>	<u>150659.90</u>

Note 1: These amounts must equal the amounts stated on the bottom line of Exhibit II, page 3.

MUNICIPALITY OF Amick
STATEMENT OF RECEIPTS, DISBURSEMENTS AND CHANGES IN FUND CASH BALANCES
ALL FUNDS
For the Year Ended December 31, 2014
(continued)

	General Fund	Fund	Fund	Enterprise Funds			Total
				Water Fund	Sewer Fund	Fund	
ENTERPRISE FUNDS							
380 Enterprise Operating Revenue					16,552.00		16,552.00
Surcharge as Security for Debt							
380.05 Lottery Revenues							
330 Operating Grants							
Total Receipts	78,195.55				16,552.00		94,747.55
Disbursements (Function):							
411-419 General Government (414)	76,725.52						76,725.52
421 Police							
422 Fire							
423-429 Other Public Safety (429)							
431 Highways and Streets (includes snow removal & street lights)	10,560.94						10,560.94
432 Sanitation (includes garbage & rubble sites)	1,114.96						1,114.96
437 Cemeteries							
433-439 Other Public Works (435)							
441-449 Health and Welfare (441)							
451-459 Culture-Recreation (451)	5,267.72						5,267.72
461-469 Conservation and Development (465)							
470 Debt Service							
480 Intergovernmental Expenditures							
490-492 Miscellaneous (492)							

MUNICIPALITY OF D. Mack
STATEMENT OF RECEIPTS, DISBURSEMENTS AND CHANGES IN FUND CASH BALANCES
ALL FUNDS
For the Year Ended December 31, 2014
(continued)

	General Fund	Enterprise Funds						Total
		Fund	Fund	Water Fund	Sewer Fund	Fund	Fund	
ENTERPRISE FUNDS								
410 Personal Services								
420 Other Expenses					15052.51			15052.51
426 Supplies and Materials								
Total Disbursements	103469.14				15052.51			118521.65
391.01 Transfers In								
51100 Transfers Out								
391.03 Sale of Municipal Property								
391.04 Compensation for Loss or Damage to Capital Assets								
391.2 Money Received From Borrowing								
391.07 Capital Contributions (Grants)								
Subtotal of Receipts, Disbursements and Transfers	(25473.59)				1499.49			(23974.10)
Fund Cash Balance, January 1, 20 <u>13</u>	60464.03				114169.97			174634.00
Adjustments:								
Restated Fund Cash Balance, January 1, 20__								
FUND CASH BALANCE, DECEMBER 31, 20 <u>14</u>	34990.44				115669.46			150659.90

TOWN OF DIMOCK PROCEEDINGS

Regular meeting of the Town Board of Trustees was held on 8-12-14 in the meeting room at the Dimock Parish Hall.

Meeting called to order by President Herrold at 7:00 P.M.

Roll call noted the following members present: Vilas Kurtenbach, Trustee; Tim Wermers, Treasurer; Debbie Neugebauer, Town Clerk; & Robert Schoenfelder. Dan Schoenfelder Absent.

Motion by Kurtenbach, seconded by Herrold to approve the minutes as published of the 7-15-14 regular meeting. Roll call: All present voted Yea. Motion carried.

Motion by Herrold, second by Kurtenbach to approve & pay the following claims. Roll call: All present voted Yea. Motion carried.

GENERAL FUND: Weber's Sanitation, Garbage Service, \$859.08; BY Water, Park Maintenance, \$44.75; NWPS, Park & Streets Lights, \$284.17; Parkston Advance, Printing, \$48.88; Rich Herrold, Trustee Salary, \$106.20; Vilas Kurtenbach, Trustee Salary, \$106.20; Dan Schoenfelder, Trustee Salary, \$106.20; Tim Wermers, Treasurer Salary, \$288.59; Debbie Neugebauer, Clerk Salary, \$323.22; Maxwell & Bowar, Insurance, \$59.00.

Motion by Herrold, seconded by Kurtenbach that an ordinance providing for the Annual Appropriation for 2015, for the General & Sewer Funds sufficient to run the Town of Dimock for 2015 and whereby a proposed Tax Levy of \$ 18,750.00 is provided be placed on its 1st reading. 2nd & final reading to be held at the September 2014 meeting. Roll call: All present voted Yea. Motion carried.

Robert Schoenfelder gave the board an update from Parkston Area Development Corporation.

Motion by Herrold, seconded by Kurtenbach that Supplement Appropriation Ordinance No. 109 be placed on its second & final reading and approved. This is to supplement the Park Lights & Maintenance Fund with \$2300.00 for the year 2014. Roll call: Herrold & Kurtenbach voting Yea. Motion carried.

All The board discussed the new development on the South end of Main Street. Lot prices & incentives based on size & location. Motion by Kurtenbach, seconded by Herrold. Roll call: All present voted Yea. Motion carried.

Motion by Herrold, seconded by Kurtenbach to authorize the purchase of Lots 1, 2, 3, 4, 5, & 6 including the West 9 feet of vacated alley lying, East & adjacent to Lots 1, 2, 3, 4, 5, & 6, Block 10 Town of Dimock, SD. Lots 1, 2, 4, & 5 Block 19 Town of Dimock, SD from Untereiner's Inc. for \$65,000.00 plus share of closing cost. Roll call: All present voted Yea. Motion carried.

TOWN OF DIMOCK PROCEEDINGS

Regular meeting of the Town Board of Trustees was held 9-12-14 at the Town Board new office.

Meeting called to order by President Herrold at 7:00 P.M.

Roll call noted the following members present: Vilas Kurtenbach & Dan Schoenfelder, Trustee; Tim Wermers, Treasurer; & Debbie Neugebauer, Town Clerk.

Motion by Kurtenbach seconded by Schoenfelder to approve the minutes as published of the 8-12-14 regular meeting. Roll call: All present voting Yea. Motion carried.

Motion by Schoenfelder, seconded by Kurtenbach to approve & pay the following claims. Roll call: All present voted Yea. Motion carried.

GENERAL FUND: Weber's Sanitation, Garbage Fee, \$859.08; BY Water, Park Maintenance, \$39.00; NWPS, Park & Street Lights, \$226.04; Parkston Advance, Printing, \$36.16; SD State Treasurer, Garbage Sales Tax, \$86.40; Agland Coop, Equipment Maintenance, \$104.33.

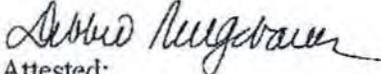
SEWER FUND: One Call, Sewer, \$3.15.

Motion by Herrold, seconded by Kurtenbach to advise the town Clerk to start a separate account for the purchase of property & to place Supplement Appropriation No. 111 to be put on 1st reading, in the amount of \$67,000.00 for the Building Lights & Maintenance Fund. Roll call: Herrold, Kurtenbach, & Schoenfelder voting yea. Motion carried.

Motion by Herrold, seconded by Kurtenbach, that Appropriation Ordinance No. 110 herein a TAX LEVY of \$18,750.00 is provided, which makes a REAL ESTATE TAX LEVY request of \$18,750.00 to run the Town of Dimock for 2015, be placed on its 2nd & final reading and approved. This to be spread among the taxpayers in Dimock. Roll call: Herrold, Kurtenbach, & Schoenfelder voting Yea. Opposed: None. Motion carried & passed. Ordinances No. 110 then have it signed by the President and Town Clerk and a copy of the Tax Levy to be sent to the County Auditor.

The city received an anonymous donation for \$10000.00 for Untereiner's city hall memorial.

There being no more business, motion by Herrold, seconded by Kurtenbach, to adjourn. Roll call: All present voted Yea. Motion carried and meeting adjourned at 8:35 P.M.


Attested:
Debbie Neugebauer, Town Clerk

Rick Herrold, President
Town Board of Trustees

Amortization Schedule:

Dimock Wastewater CWSRF Loan

Terms: \$490,000 Loan Amount Rate: 3.25% Term: 30 Years

Yearly Amortization Schedule[View Printable Version](#)

Payments	Yearly Total	Principal Paid	Interest Paid	Balance
Year 1 (1-12)	\$25,590.13	\$9,810.41	\$15,779.72	\$480,189.69
Year 2 (13-24)	\$25,590.13	\$10,134.04	\$15,456.09	\$470,055.65
Year 3 (25-36)	\$25,590.13	\$10,468.35	\$15,121.78	\$459,587.20
Year 4 (37-48)	\$25,590.13	\$10,813.68	\$14,776.45	\$448,773.52
Year 5 (49-60)	\$25,590.13	\$11,170.41	\$14,419.72	\$437,603.11
Year 6 (61-72)	\$25,590.13	\$11,538.90	\$14,051.23	\$426,064.21
Year 7 (73-84)	\$25,590.13	\$11,919.56	\$13,670.58	\$414,144.65
Year 8 (85-96)	\$25,590.13	\$12,312.76	\$13,277.37	\$401,831.89
Year 9 (97-108)	\$25,590.13	\$12,718.94	\$12,871.19	\$389,112.94
Year 10 (109-120)	\$25,590.13	\$13,138.52	\$12,451.61	\$375,974.42
Year 11 (121-132)	\$25,590.13	\$13,571.94	\$12,018.19	\$362,402.47
Year 12 (133-144)	\$25,590.13	\$14,019.66	\$11,570.47	\$348,382.81
Year 13 (145-156)	\$25,590.13	\$14,482.15	\$11,107.98	\$333,900.66
Year 14 (157-168)	\$25,590.13	\$14,959.89	\$10,630.24	\$318,940.77
Year 15 (169-180)	\$25,590.13	\$15,453.40	\$10,136.73	\$303,487.37
Year 16 (181-192)	\$25,590.13	\$15,963.18	\$9,626.95	\$287,524.19
Year 17 (193-204)	\$25,590.13	\$16,489.79	\$9,100.35	\$271,034.40
Year 18 (205-216)	\$25,590.13	\$17,033.76	\$8,556.37	\$254,000.64
Year 19 (217-228)	\$25,590.13	\$17,595.68	\$7,994.45	\$236,404.97
Year 20 (229-240)	\$25,590.13	\$18,176.13	\$7,414.00	\$218,228.83
Year 21 (241-252)	\$25,590.13	\$18,775.74	\$6,814.40	\$199,453.10
Year 22 (253-264)	\$25,590.13	\$19,395.12	\$6,195.01	\$180,057.98
Year 23 (265-276)	\$25,590.13	\$20,034.94	\$5,555.20	\$160,023.04
Year 24 (277-288)	\$25,590.13	\$20,695.86	\$4,894.27	\$139,327.18
Year 25 (289-300)	\$25,590.13	\$21,378.58	\$4,211.55	\$117,948.60
Year 26 (301-312)	\$25,590.13	\$22,083.83	\$3,506.30	\$95,864.77
Year 27 (313-324)	\$25,590.13	\$22,812.34	\$2,777.79	\$73,052.42
Year 28 (325-336)	\$25,590.13	\$23,564.89	\$2,025.24	\$49,487.54
Year 29 (337-348)	\$25,590.13	\$24,342.26	\$1,247.87	\$25,145.28
Year 30 (349-360)	\$25,590.13	\$25,145.28	\$444.86	\$0.00
Totals	\$767,703.95	\$490,000.00	\$277,703.95	

Bruels, Andrew

From: Eric Ambroson <Eric.Ambroson@districtiii.org>
Sent: Thursday, July 02, 2015 12:36 PM
To: Bruels, Andrew
Subject: Dimock
Attachments: Town Budget.pdf

Hi, Andy;

I received the attached PDF from the Town Clerk of Dimock this morning. It is meant to accompany the CWSRF application that was sent out yesterday. The attached PDF details the Town's budget for 2015. Being a small town, there's not much detail in the numbers. In fact, there's not really a budget set for the sewer fund. They know what comes in for revenue and then they stick within that parameter for their expenses.

Please put the attached budget from Dimock in with the application when you receive it in the mail. Thank you!

Eric Ambroson
Community Development Specialist
Planning and Development District III
PO Box 687
Yankton, SD 57078
605.665.4408 (phone)
605.665.0303 (fax)
800.952.3562

ORDINANCE NO. 110

Annual Appropriation of the Town of Dimock, South Dakota, for the year 2015 BE IT ORDAINED BY THE TOWN BOARD OF TRUSTEES OF THE TOWN OF DIMOCK, SOUTH DAKOTA.

Section 1. That for the purposes of defraying the necessary expenses and liabilities of the Town of Dimock, South Dakota, for the coming year commencing on January 1, 2015; there is hereby designated.

GENERAL FUND	APPOPRIATION	REVENUE	LEVY
Administration.....	\$ 1,800.00	\$ 800.00	\$ 1,000.00
Salaries.....	4,010.00	2,110.00	1,900.00
Printing.....	700.00	100.00	600.00
Insurance.....	6,500.00	4,900.00	1,600.00
Street Lights.....	2,700.00	1,400.00	1,300.00
Garbage.....	12,700.00	7,950.00	4,750.00
Snow Removal.....	3,000.00	2,000.00	1,000.00
Park Lights & Maintenance..	4,500.00	3,000.00	1,500.00
Equipment Maintenance.....	1,800.00	1,200.00	600.00
Street Maintenance.....	10,600.00	7,200.00	3,400.00
Zoning.....	400.00	100.00	300.00
Pest Control.....	1,000.00	450.00	550.00
Building.....	1,500.00	1,250.00	250.00
TOTALS.....	\$51,210.00	\$32,460.00	\$18,750.00
SEWER FUND			
Operation and Maintenance....	\$18,250.00	\$18,250.00	\$ 0.00
Estimated End of Year			
2015 Balance.....	\$33,000.00	\$33,000.00	Rentals

Section 2. That there is hereby levied upon all taxable property within the Town of Dimock, South Dakota, Hutchinson County, for the purpose of providing funds to meet the lawful expenses and liabilities of the said Town of Dimock, South Dakota, for the fiscal year 2015, a tax sufficient to raise \$18,750.00, which as these taxes are received by the Treasurer shall be credited to the General Fund.

Section 3. That all miscellaneous revenues from any and all sources except taxation shall be credited to the General Fund.

Section 4. That the Town Clerk of the Town of Dimock, South Dakota, be and is hereby directed to certify the said Levy to the County Auditor of Hutchinson County, South Dakota, so that the taxes may be spread and assessed as provided by law.

1st reading at regular meeting of the Board of Trustees on 8-12-14.

2nd reading and final passage at regular meeting on 9-12-14.

Adoption on 9-12-14

Published on ~~9-24-14~~
10-1-14

Debbie Neugebauer

Attested:

Debbie Neugebauer, Town Clerk

Rick Herrold, President
Town Board of Trustees

Dimock Rate Structure

58 Homes @ 17.00	\$ 986.00
4 apartments @ 17.00	\$ 68.00
Blasius'	\$ 17.00
Dimock Dairy	\$ 65.00
B. Neugebauer Shop	\$ 17.00
Hofer's	\$ 20.00
Neugebauer Truck	\$ 20.00
Post Office	\$ 20.00
SS' Peter & Paul (3 connections)	\$ 57.00
Estimated Monthly Revenue	\$ 1,270.00

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA
COUNTY OF HUTCHINSON

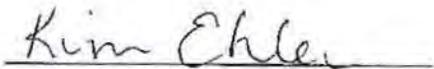
SCOTT E. EHLER, BEING DULY SHORN,
SAYS: THAT THE PARKSTON ADVANCE
IS, AND DURING ALL THE TIME HERE-
INAFTER MENTIONED WAS, A WEEKLY
LEGAL NEWSPAPER AS DEFINED IN SDCL
17-2-2.1 THROUGH 17-2-2.4 INCLUSIVE,
AS AMENDED, PUBLISHED AT
PARKSTON, HUTCHINSON COUNTY,
SOUTH DAKOTA BY THE PARKSTON
ADVANCE, INC.; THAT AFFIANT IS
AND DURING ALL OF SAID TIMES WAS,
AN EMPLOYEE OF THE PUBLISHER OF
SUCH NEWSPAPER AND HAS PERSONAL
KNOWLEDGE OF THE FACTS STATED IN
THIS AFFIDAVIT; THAT THE NOTICE,
ORDER OR ADVERTISEMENT, A PRINTED
COPY OF WHICH IS ATTACHED, WAS
PUBLISHED IN SAID NEWSPAPER FOR
1 SUCCESSIVE ISSUES, BEARING THE
FOLLOWING DATES:

APRIL 1, 2015

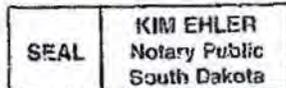
THAT THE FULL AMOUNT OF THE FEE
CHARGED FOR PUBLISHING THE SAME
TO WIT, THE SUM OF \$23.10,
INURES SOLELY TO THE BENEFIT OF
THE PUBLISHER OF SAID NEWSPAPER;
THAT NO AGREEMENT OR UNDERSTAND-
ING FOR THE DIVISION OF THE FEE
HAS BEEN MADE WITH ANY PERSON,
AND THAT NO PART OF THE FEE HAS
BEEN AGREED TO BE PAID TO ANY
OTHER PERSON.



SUBSCRIBED AND SWORN TO BEFORE
ME THIS 1ST DAY OF APRIL
A.D., 2015



NOTARY PUBLIC, COUNTY OF
HUTCHINSON, SOUTH DAKOTA



MY COMMISSION EXPIRES
JANUARY 12, 2016

Town of Dimock proceedings

Regular and equalization meeting
of Town Board of Trustees was held
on 3-16-15 in the meeting room at the
Dimock City Hall.

Meeting called to order by Presi-
dent Herrold at 6:00 p.m.

Roll call noted the following mem-
bers present: Vilas Kurtenbach and
Dan Schoenfelder, Trustees; Tim
Wermers, Treasurer; Debbie Neuge-
bauer, Town Clerk; and Vern Arens.

Motion by Kurtenbach, seconded by
Schoenfelder, to approve the minutes
as published of the 2-13-15 regular
meeting. Roll call: All present voted
yea.

Motion by Schoenfelder, seconded
by Kurtenbach, to approve and pay
the following claims. Roll call: All
present voted yea. Motion carried.

GENERAL FUND: Weber's sanitation,
Feb. service, \$859.08; BY Water,
park and building maintenance,
\$78.00; NWPS, street, park and
building lights, \$353.63; SD State
Treasurer, sales tax garbage, \$193.50;
Dan Schoenfelder, snow removal and
street maintenance, \$87.00.

SEWER FUND: Arens Engineer-
ing, sewer, \$4,000.00.

The board looked through the equal-
ization books.

The 2014 Annual Report of Income
and Expenditures as reported by
the Town Clerk was examined by
the Board of Trustees. After review,

motion by Kurtenbach, seconded by
Schoenfelder, to approve the report
and have it published by law, with
the original copy to be submitted to
the Department of Legislative Audit.
It should be noted these reports are
open to the public inspection. Roll
call: All present voted yea. Motion
carried.

As per the State of SD DENR the
minimum monthly wastewater rates
need to be increased. Motion by
Herrold, seconded by Kurtenbach,
to raise the sewer rates to \$25.00 for
residential and \$30.00 for commercial
per month. Roll call: All present voted
yea. Motion carried.

There being no more business,
motion by Herrold, seconded by
Kurtenbach, to adjourn. Roll call: All
present voted yea. Motion carried and
meeting adjourned at 7:59 p.m.

Rick Herrold, President
Town Board of Trustees

Attested
Debbie Neugebauer
Town Clerk
Published one time at an approxi-
mate cost of \$23.10.



You may be entitled to 22 cents to \$1 per Bushel Back!

In the past 24 months China rejected more than 5 million tons of U.S. Corn due to MIR-162 unapproved trait marketed by Syngenta.

The NAGFA estimates that damages to ALL corn farmers exceeds 5 billion dollars...that's between 22 cents to over \$1 per bushel in 2013 - 2014. (North American Grain & Feed Association)

NEW JUNE TOWN HALL MEETINGS!

Tues. June 9	CITY	LOCATION
8:30 AM	Yankton SD	Minerva's
11:00 AM	Elk Point SD	The Point Event Ctr.
2:00 PM	Jackson NE	Lariat
5:00 PM	Wayne	Cobblestone Hotel
Wed. June 10		
8:30 AM	Plainview	Community Ctr.
11:00 AM	O'Neill	Holiday Inn Exp
2:00 PM	Stuart	Comm. Ctr.
5:00 PM	Ainsworth	The Golden Steer
Thurs. June 11		
8:30 AM	Winner SD	Holiday Inn Exp
11:00 AM	Platte SD	Pizza Ranch
2:00 PM	Parkston SD	Pony Creek Steak House
5:00 PM	Tyndall SD	City Auditorium
Friday June 12		
8:30 AM	Freeman SD	Prairie House Rest.
11:00 AM	Canton SD	Pizza Ranch
2:00 PM	Centerville SD	Senior Center

Go To LostCornIncome.com
or Call Toll Free 855 - 567- 8267

James Law PC
Licensed in NE & SD
721 Douglas Ave #1
Yankton, SD 57078

Dan Homolka
Daniel M. Homolka, PA
Minneapolis Minnesota
Hutchinson Minnesota

Gellhaus & Gellhaus PC
Licensed in SD
120 S. Lincoln St.
Aberdeen, SD 57401

No Cost & No Risk to You!



2014 Champion Parkston Drug, Inc.

For more information or to register your team, please call Ember Dale at 605.928.4410

Avera 
St. Benedict Health Center

401 West Glynn Drive
Parkston, SD 57366

Parkston Advance; June 3, 2015

NOTICE OF PUBLIC HEARING FOR THE DIMOCK WATER AND WASTEWATER IMPROVEMENTS PROJECT

The Town of Dimock is proposing to upgrade the Town's water and wastewater infrastructure. The Town of Dimock is seeking to improve its wastewater treatment facilities and expand its water distribution and wastewater collection systems. The wastewater treatment facility has compliance issues regarding maintaining an adequate depth in the pond and freezing of the influent line in the winter. The Town is also planning to serve an area in the southern part of the community through the expansion of its water distribution and wastewater collection systems.

The Town of Dimock proposes to apply for up to \$50,000 of Small Water Facilities Funds to assist in financing the water portion. The Town of Dimock also proposes to apply for up to \$530,000 of Clean Water State Revolving Funds at 3.25% for 30 years. The Town plans to pledge surcharge revenues to repay the loans. The total cost of the project is estimated to be \$580,000. The purpose of the public hearing is to discuss the proposed project, the proposed financing, and the source of repayment for the loan. The public is invited to attend and comment on the project.

The public hearing will be held at Dimock Town Hall on Tuesday, June 16, 2015, at 6:00 p.m.

Do You Know What's

**UNDER
Your Yard?**

In SD - 1-800-781-7474

CALL BEFORE
YOU DIG!



For assistance with your advertising...

CALL The Parkston Advance

605-928-3111

or e-mail to advance@santel.net

NAME

REPRESENTING

Eric Ambrosion	District III
Bob Schoenfelder	Dimock
Rish Ireland	Dimock Resident
Debra Neugebauer	Dimock
Tim Wassman	Dimock
Dan Schoenfelder	Dimock
Vilas Kertenbach	Dimock
Daniel W. Kertenbach	Dimock
Greg P. White	Dimock
Bayon Neugebauer	Dimock - Neugebauer Trucking
Rick Harold	Dimock

TOWN OF DIMOCK PROCEEDING

Regular meeting of the Town Board of Trustees was held on 6-16-15 at the Dimock City Hall.

Meeting called to order by President Herrold 6:00 P.M.

Roll call noted the following members present: Vilas Schoenfelder & Dan Schoenfelder, Trustee; Tim Wermers, Treasurer; Debbie Neugebauer, Town Clerk. Also present was Eric Ambrosion from District III, Vern Arens from Arens Engineering, Robert Schoenfelder, Trish Freeland, Dan Kurtenbach, Gary Weber, & Bryan Neugebauer.

Motioned by Kurtenbach second by Schoenfelder, to approve the minutes as published of the 5-19-15 regular meeting. Roll call: All present voted Yea. Motion carried.

Motion by Schoenfelder seconded by Kurtenbach, to approve & pay the following claims. Roll call: All present voted Yea. Motion carried.

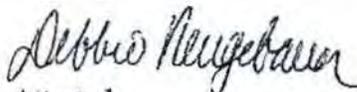
GENERAL FUND: Weber's Sanitation, May Service, \$859.08; BY Water, Park & Building Maintenance, \$78.00; NWSP, Street, Park, & Building Lights, \$260.93; Dan Kurtenbach, Pest Control, \$127.18; Anne Murtha, Park Maintenance, \$520.00; Dan Schoenfelder, Park Maintenance, \$10.39; Weidenbach, Street Maintenance, \$1128.75..

SEWER FUND: One Call, Sewer, \$1.05, Arens Engineering, Sewer, \$360.00, Fremar LLC, Spray, \$51.00; Vilas Kurtenbach, Supplies, \$47.50.

The residents had questions about the proposed sewer project. After lengthy discussion the board decided to go ahead with the water & wastewater improvement. Motion by Kurtenbach, seconded by Herrold to approve Resolution No. 2015-01. *See attached*

Vern presented the board with bids from Hydro Klean & Bender's for videoing, inspection & cleaning for all the sewer lines in the town. Motion by Herrold, seconded by Kurtenbach to accept the bid from Bender's. Roll call: All present voted Yea. Motion carried.

There being no more business, motion by Herrold, second by Kurtenbach to adjourn. Roll call: All present voted Yea. Motion carried and meeting adjourned at 8:56 P.M.



Attested:
Debbie Neugebauer

Rick Herrold, President
Town Board of Trustees

RESOLUTION NO. 2015-01

RESOLUTION AUTHORIZING AN APPLICATION FOR FINANCIAL ASSISTANCE, AUTHORIZING THE EXECUTION AND SUBMITTAL OF THE APPLICATION, AND DESIGNATING AN AUTHORIZED REPRESENTATIVE TO CERTIFY AND SIGN PAYMENT REQUESTS.

WHEREAS, the Town of Dimock (the "Town") has determined it is necessary to proceed with improvements to its Wastewater System, including but not limited to Wastewater Treatment and Collection System Improvements; and

WHEREAS, the Town has determined that financial assistance will be necessary to undertake the Project and an application for financial assistance to the South Dakota Board of Water and Natural Resources (the "Board") will be prepared; and

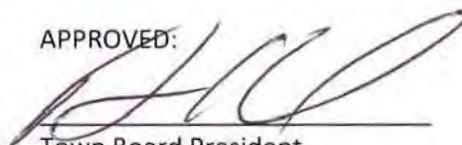
WHEREAS, it is necessary to designate an authorized representative to execute and submit the Application on behalf of the Town and to certify and sign payment requests in the event financial assistance is awarded for the Project,

NOW THEREFORE BE IT RESOLVED by the Town as follows:

1. The Town hereby approves the submission of an Application for financial assistance in an amount not to exceed \$490,000 to the South Dakota Board of Water and Natural Resources for the Project.
2. The Town intends to apply to the Clean Water State Revolving Fund program for consideration of loan funds for a term up of 30 years at a rate of 3.25 %. The Town also intends to request assistance in the form of principal forgiveness or grant funding to improve the financial feasibility of the project.
3. The Town Board President is hereby authorized to execute the Application and submit it to the South Dakota Board of Water and Natural Resources, and to execute and deliver such other documents and perform all acts necessary to effectuate the Application for financial assistance.
4. The Town Board President is hereby designated as the authorized representative of the Town to do all things on its behalf to certify and sign payment requests in the event financial assistance is awarded for the Project.

Adopted at Dimock, South Dakota, this 16 day of June 2015.

APPROVED:



Town Board President
Town of Dimock

(Seal)

Attest: Richard Neugebauer
Town Finance Officer

CULTURAL RESOURCES EFFECTS ASSESSMENT SUMMARY

Applicant Town of Dimock Project Contact Debbie Neugebauer, Finance Officer
Address PO Box 115, Town of Dimock, SD 57331-0115 Telephone Number 605-227-4621

Legal Location of Project The project will generally take place within Sections 7 and 18 of Cross Plains Township in Hutchinson County. The treatment pond improvements will take place specifically in the NW ¼ of the SE ¼ of Section 7 in Cross Plains Township. The development activities will take place specifically in the SW ¼ of the SE ¼ of Section 18 of Cross Plains Township (T100N R 60 W).

City Dimock County Hutchinson Project No. _____

Project Description

The project scope includes the following elements:

Wastewater Improvements: Correcting deficiencies includes replacement of the existing stream crossing segment of the influent line as well as the installation of an interior dike dividing the deeper section from the shallow section. Plans call for 1,500 cubic yards of interior dike construction, 250 linear feet of inlet line, a pond liner measuring approximately 14,500 square yards, plus valves, manholes, and appurtenances.

Water Improvements: The development area is planned to accommodate 20 lots. BY Rural Water District provides water service to the Town, but is not responsible for providing new water lines. Therefore, the Town must act as the responsible developer and install the lines. Improvements to the development area include 2 1/2" (300 LF) and 3" (750 LF) water mains, 8" sewer mains (1,400 LF), service lines, and appurtenances.

For projects that involve new construction on vacant land please include information as to what previously occupied the site and whether that site has any known historic or archaeological significance.

The project mainly involves replacement, repair, and upgrading of existing facilities. The new development area has been used as pasture and crop land.

Please describe below or attach information supporting the determination of effect.

See attached maps

A map showing the project location is required. Drawings or photographs may also be helpful.

Please indicate the effect the project will have on cultural resources based on the review performed:

No Historic Properties Affected: There are no historic properties present or the undertaking will not affect any properties eligible for or listed in the National Register of Historic Preservation.

No Adverse Effect: This property is listed in or eligible for the National Register of Historic Places. This project will have no adverse effect upon the historic significance of the property because the proposed undertaking meets the Secretary of the Interior's Standards for the Treatment of Historic Properties.

Adverse Effect: This property is listed in or eligible for eligible for the National Register of Historic Places. This project will have an adverse effect upon the historic significance of the property. (Attach proposed mitigation measures that may minimize the adverse effect.)

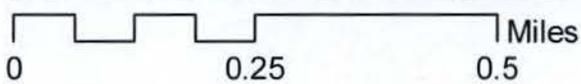
Prepared by: Eric Ambrosion, Planning and Development District III Date 6-29-15

DETERMINATION OF EFFECTS

I have reviewed the project description and the information provided concerning historical and cultural effects of this project. Based on that review, the Department of Environment and Natural Resources concurs with the applicant's determination of the effects that the construction of this project will have on historical or cultural resources. Additionally, if historical or cultural resources are discovered during project construction, the contractor is required to cease construction and notify the State Historical Preservation Officer.

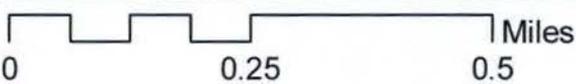
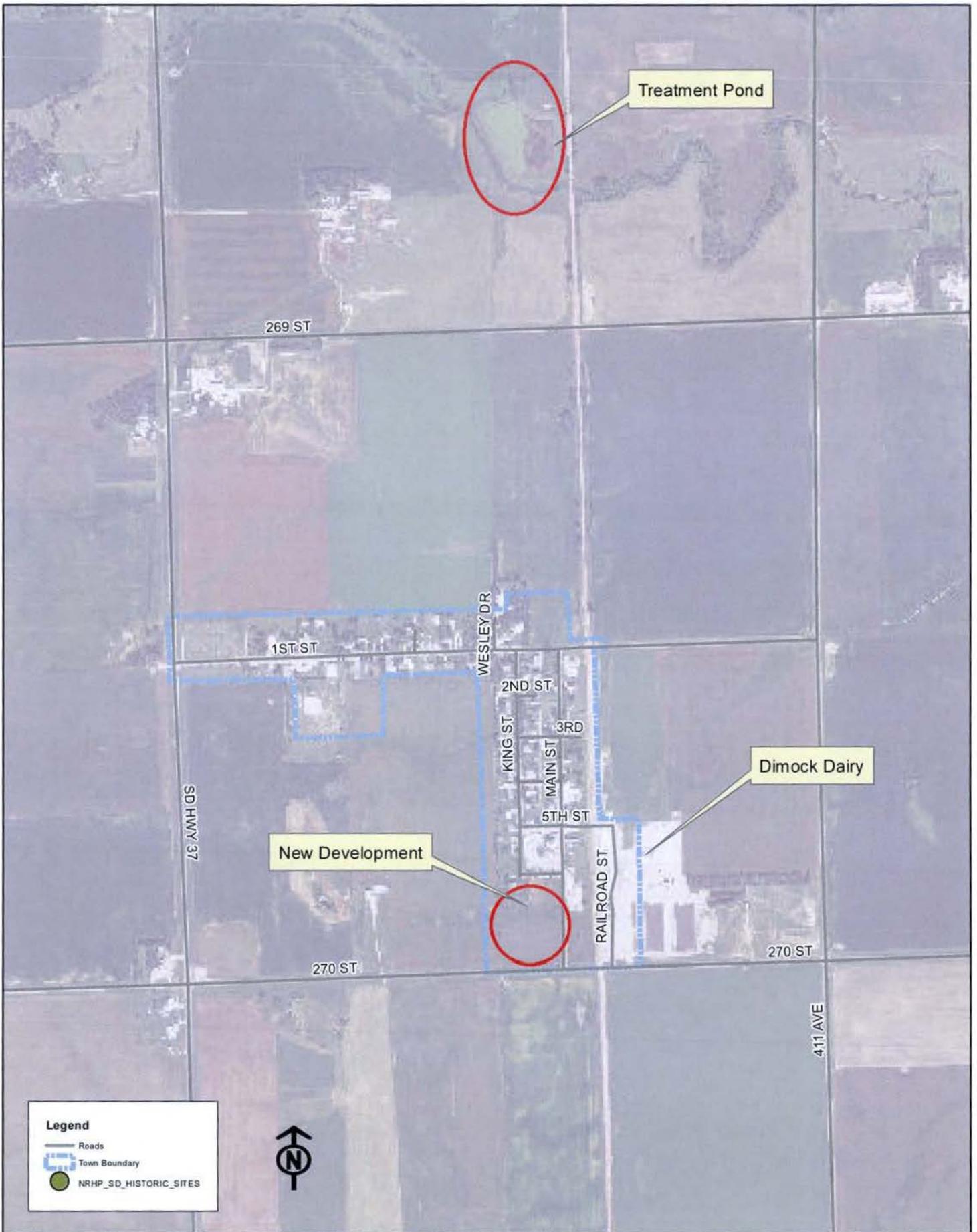
Approved by: _____ Date _____
SD Department of Environment and Natural Resources

Town of Dimock: Water and Wastewater Improvements



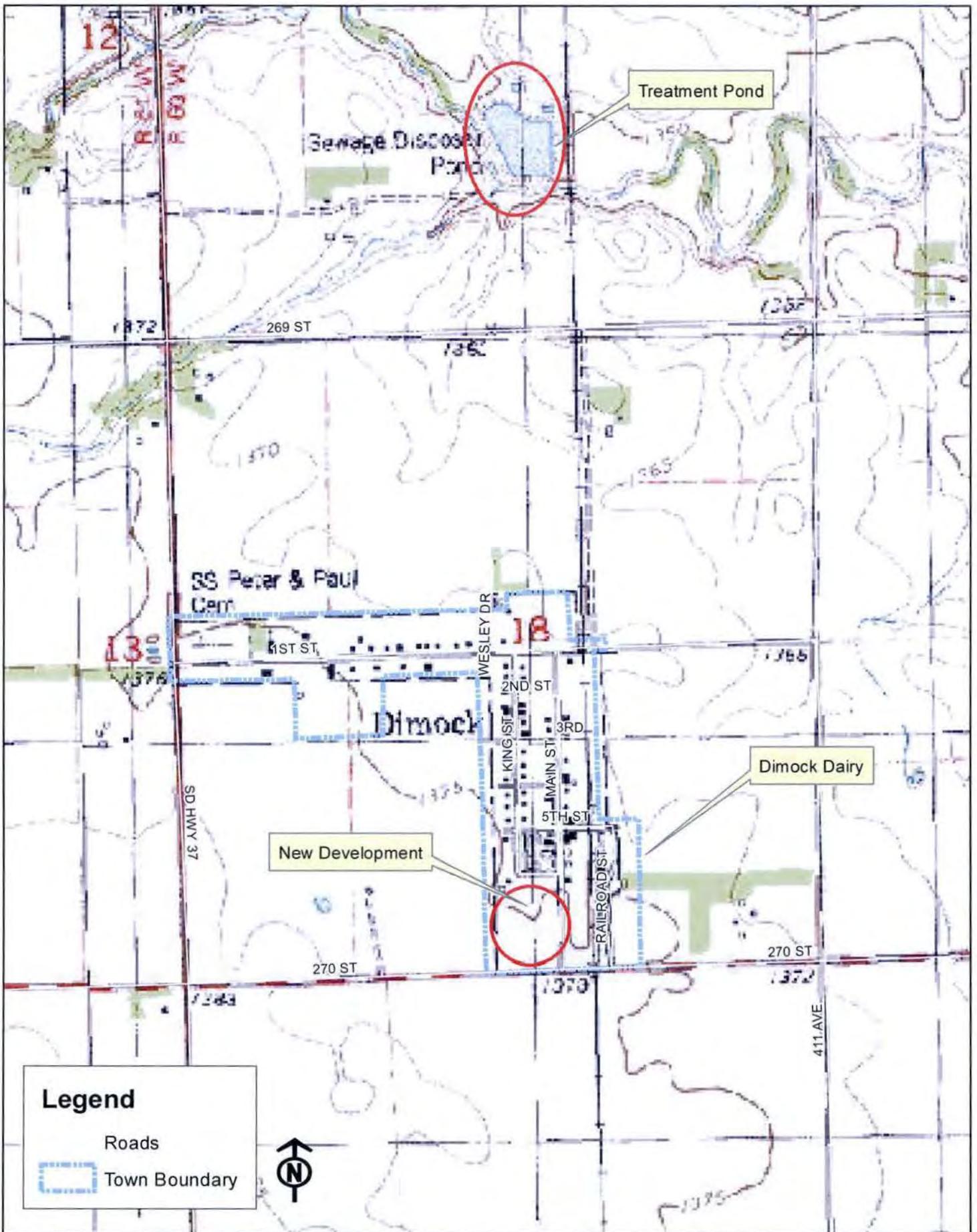
Project Location

Town of Dimock: Water and Wastewater Improvements

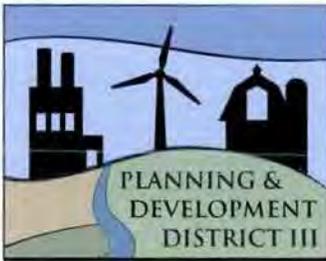


Project Location: Historic Sites

Town of Dimock: Water and Wastewater Improvements



Project Location: Topo Map



Planning & Development District III
1808 Summit St PO Box 687
Yankton, SD 57078
(605)665-4408 or 800-952-3562
Fax: (605)665-0303
districtiii@districtiii.org
www.districtiii.org

MEMORANDUM

Date: June 8, 2015
Subject: **Environmental Review – Water and Wastewater Improvements**
From: Eric Ambrosion, Community Development Specialist *EA*
To: *U.S. Department of Agriculture – NRCS*
U.S. Army Corps of Engineers, Omaha District
U.S. Fish & Wildlife Service
SD Department of Game Fish & Parks – Wildlife Division
SD DENR (Office of Waste Mgmt, Office of Drinking Water, Point Source Control Program, Ground Water Quality Program)

The Town of Dimock is eligible for funding from the South Dakota DENR for the following project and is seeking your comments:

Water and Wastewater Improvements

The Town of Dimock is seeking to improve its wastewater treatment facilities and expand its water distribution and wastewater collection systems. The wastewater treatment facility has compliance issues regarding maintaining an adequate depth in the pond and freezing of the influent line in the winter. Correcting this deficiency includes replacement of the existing stream crossing segment of the influent line as well as the installation of an interior dike dividing the deeper section from the shallow section. Plans call for 1,500 cubic yards of interior dike construction, 250 linear feet of inlet line, a pond liner measuring approximately 14,500 square yards, plus valves, manholes, and appurtenances.

The Town is also planning to serve an area in the southern part of the community through the expansion of its water distribution and wastewater collection systems. The development area is planned to accommodate 20 lots. BY Rural Water District provides water service to the Town, but is not responsible for providing new water lines. Therefore, the Town must act as the responsible developer and install the lines. Improvements to the development area include 2 1/2" (300 LF) and 3" (750 LF) watermains, 8" sewer mains (1,400 LF), service lines, and appurtenances. Please refer to the attached maps.

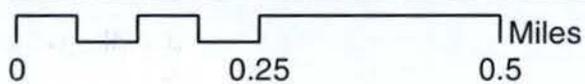
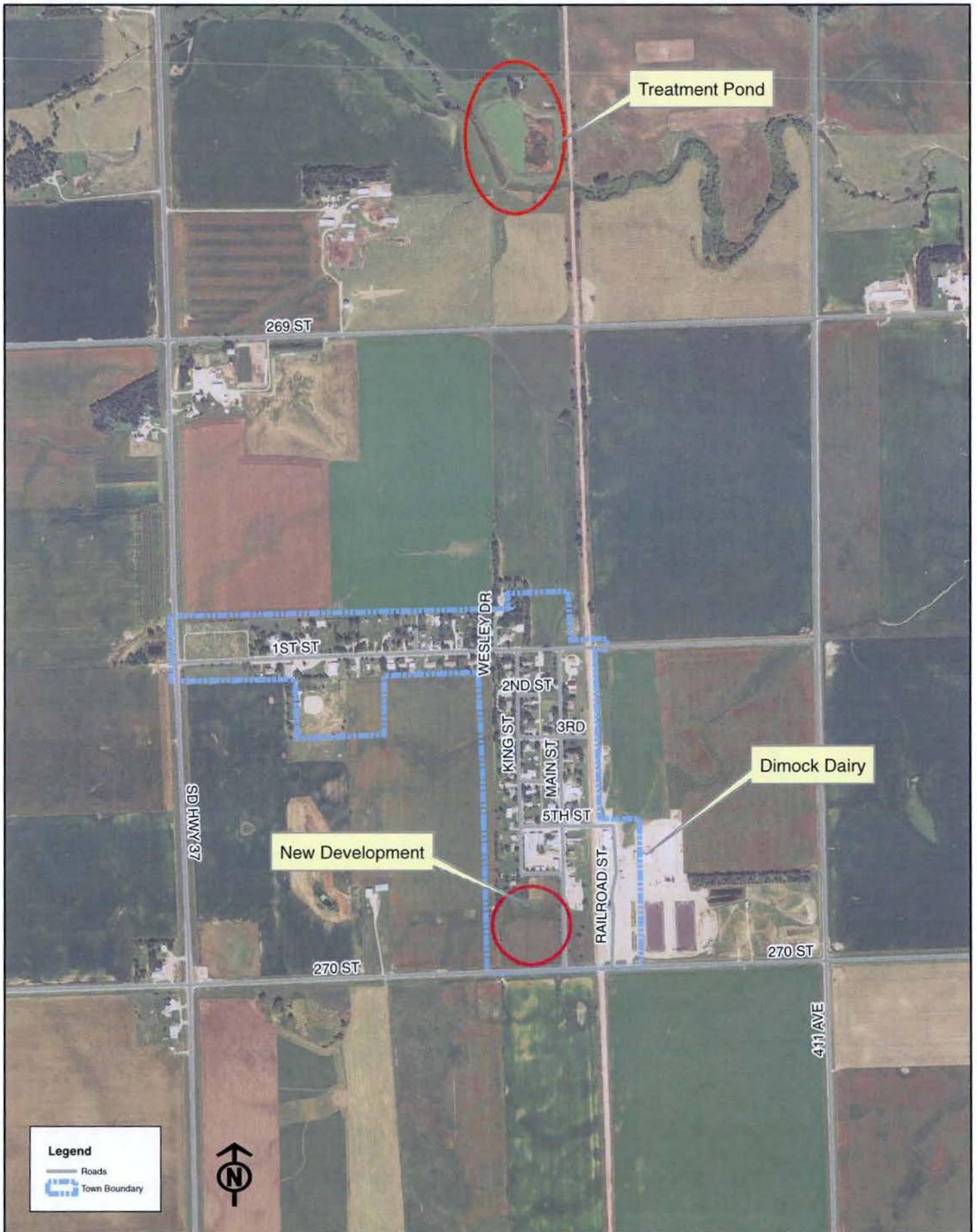
Unless you provide information to the contrary within thirty (30) days of the date of this letter the Town of Dimock will consider that your agency has no adverse comments regarding the project.

Your earliest response will be greatly appreciated. Thank you for your assistance.

Planning & Development District III Executive Board:

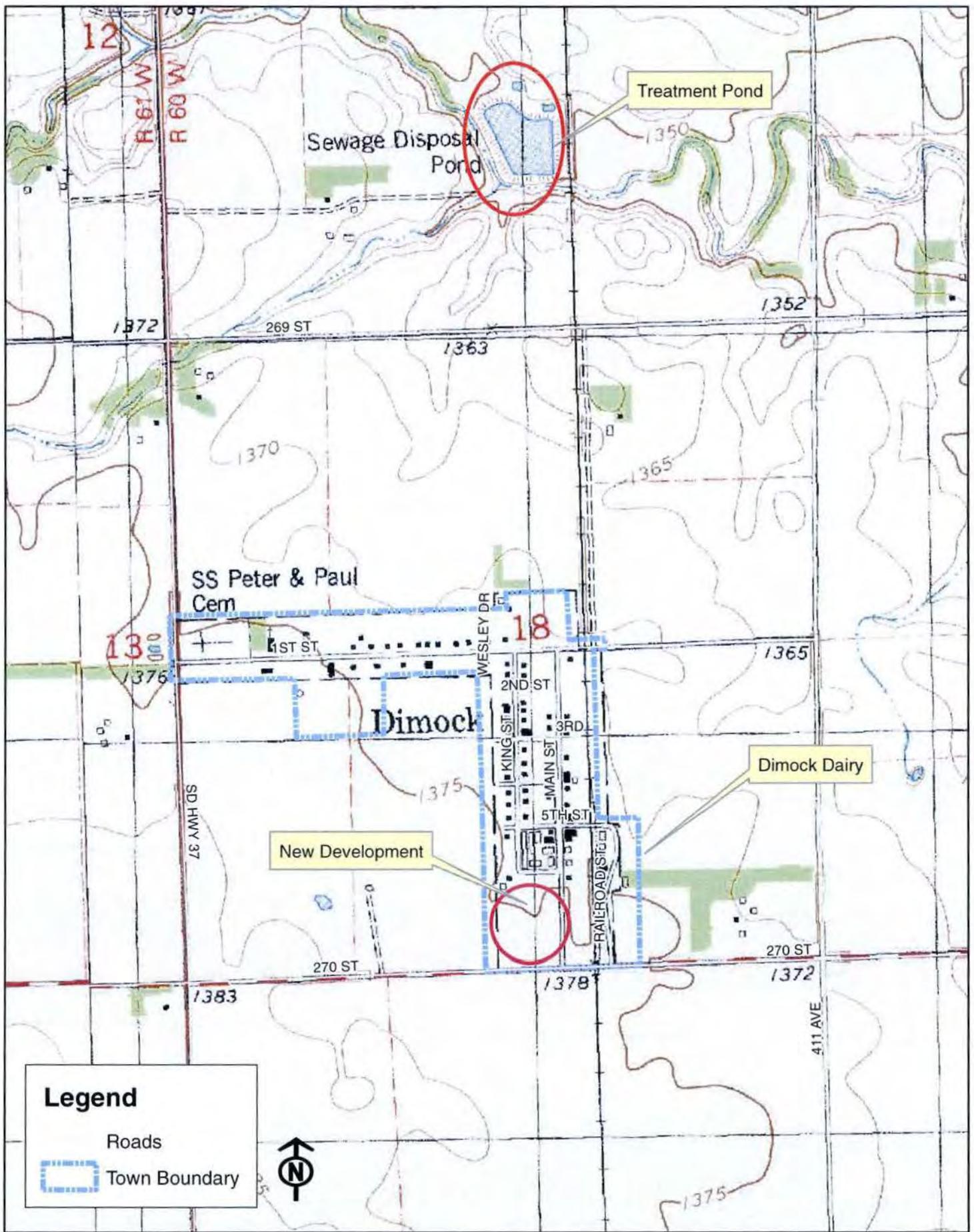
Donald Reinesch Brule County Chairman	John Claggett Bartson County Vice-Chairman	Larry McManus Tri County Landfill Secretary	Art Hertz Great Lakes Assn Treasurer	Don Hosek Wagner At Large	Delayne Persson Aurora County At Large	Donita Loudner Buffalo County At Large	Mike Sprenger Prideo At Large
---	--	---	--	---------------------------------	--	--	-------------------------------------

Town of Dimock: Water and Wastewater Improvements



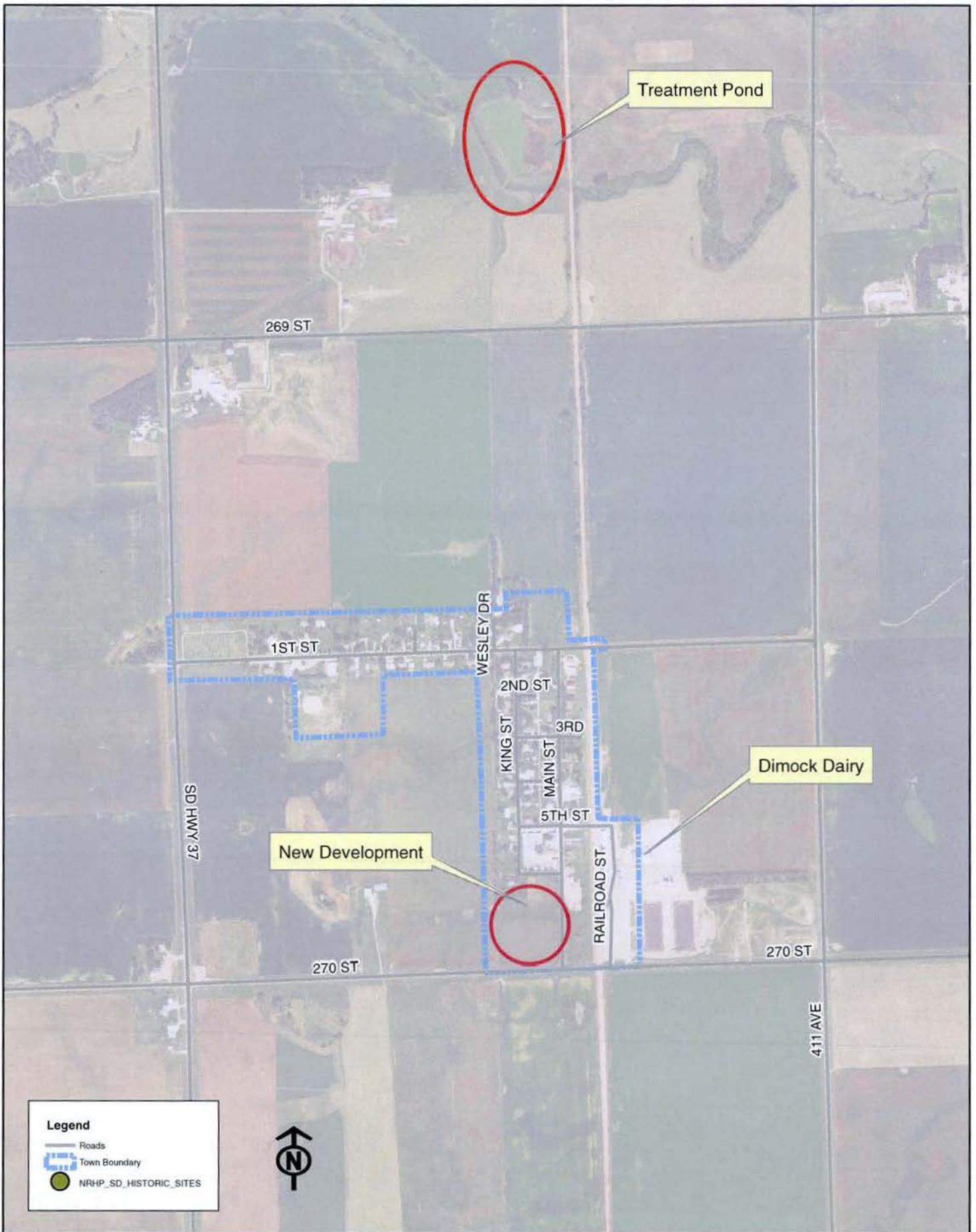
Project Location

Town of Dimock: Water and Wastewater Improvements

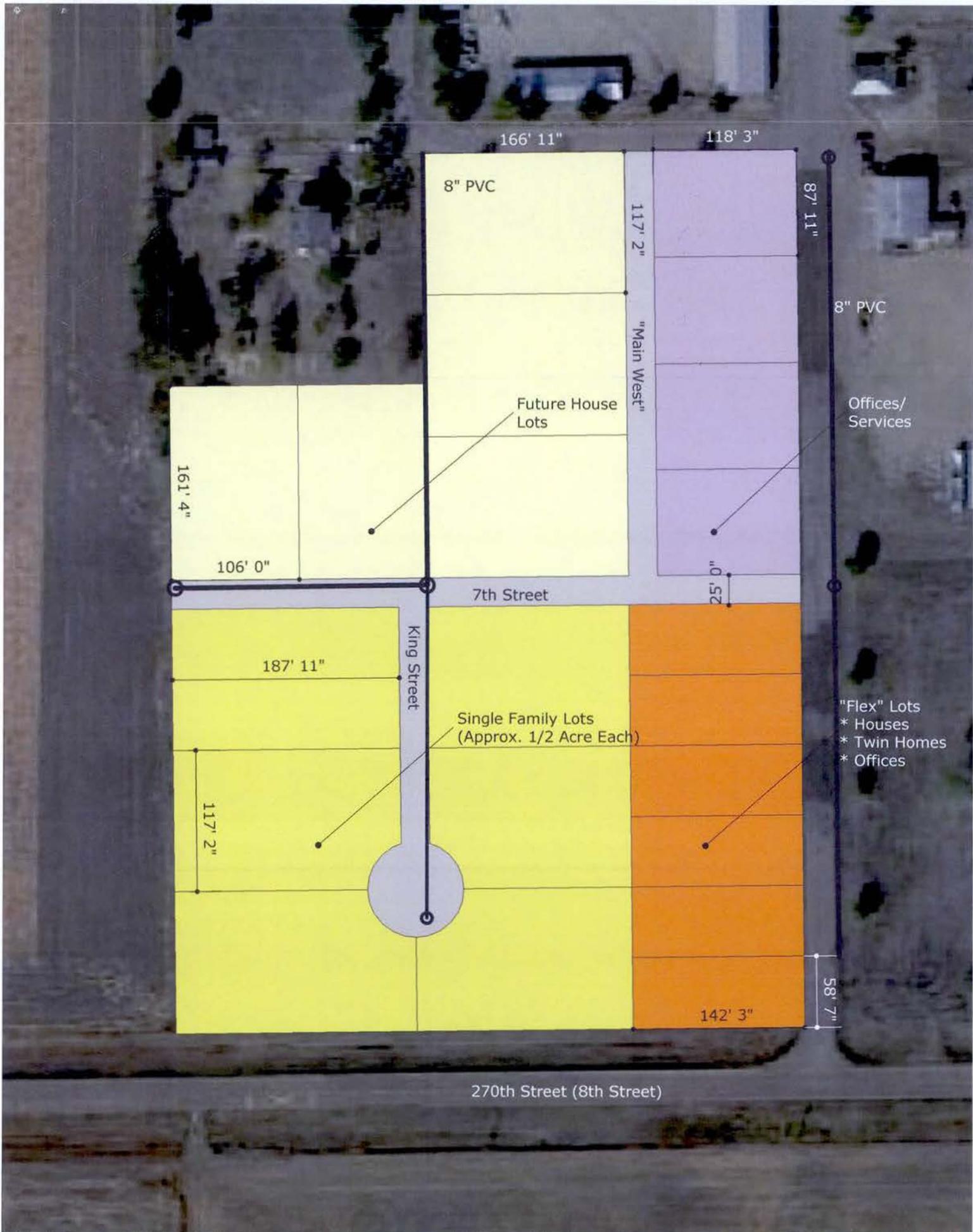


Project Location: Topo Map

Town of Dimock: Water and Wastewater Improvements



Project Location: Historic Sites





REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
1616 CAPITOL AVENUE
OMAHA NE 68102-4901

June 24, 2015

Planning, Programs, and Project Management Division

Mr. Eric Ambrosion
Planning & Development District III
1808 Summit Street
P.O. Box 687
Yankton, South Dakota 57078

Dear Mr. Ambrosion:

The U.S. Army Corps of Engineers, Omaha District (Corps) has reviewed your letter dated June 8, 2015 (received June 12, 2015) regarding the environmental review of the improvements proposed for the Town of Dimock's water distribution and wastewater treatment facilities in Hutchinson County, South Dakota. We offer the following comments for your consideration:

Your plans should be coordinated with the state water quality office that has jurisdiction within the area where the project is located to ensure compliance with federal and state water quality standards and regulations mandated by the Clean Water Act and administered by the U.S. Environmental Protection Agency. Please coordinate with the South Dakota Department of Environment & Natural Resources concerning state water quality programs.

If you have not already done so, it is recommended you consult with the U.S. Fish and Wildlife Service and the South Dakota Department of Game, Fish and Parks regarding fish and wildlife resources. In addition, the South Dakota State Historic Preservation Office should be contacted for information and recommendations on potential cultural resources in the project area.

If any waterline construction crosses the floodplains of small drainageways and streams, flood-related problems should not occur if the lines are buried far enough below the beds of drainageways and streams to prevent exposure due to streambed erosion during periods of high floodflows. Any aboveground construction subject to flood damage, such as pump houses, should either be placed above, or flood proofed to, a level above the one percent annual chance flood elevation.

Since the proposed project does not appear to be located within Corps owned or operated lands, your plans should be submitted to the local floodplain administrator for review and approval prior to construction. It should be ensured that the proposed project is in compliance with the floodplain management criteria of Hutchinson County and the State of South Dakota. In addition, please coordinate with the following floodplain management office:

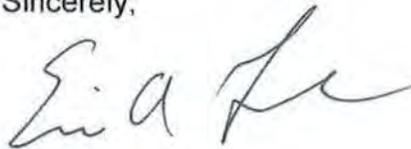
South Dakota Division of Emergency Management
Attention: Mr. Marc Macy
118 W. Capitol Avenue
Pierre, South Dakota 57501
Telephone: 605-773-3231
Fax: 605-773-3580
Email: marc.macy@state.sd.us

Any proposed placement of dredged or fill material into waters of the United States (including jurisdictional wetlands) requires Department of the Army authorization under Section 404 of the Clean Water Act. You can visit the Omaha District's Regulatory website for permit applications and related information. Please review the information on the provided website (<http://www.nwo.usace.army.mil/Missions/RegulatoryProgram.aspx>) to determine if this project requires a 404 permit. For a detailed review of the permit requirements, preliminary and final project plans should be sent to:

U.S. Army Corps of Engineers
Pierre Regulatory Office
Attention: Mr. Steve Naylor, CENWO-OD-R-SD
28563 Powerhouse Road, Room 120
Pierre, South Dakota 57501

If you have any questions, please contact Ms. Amanda Ciurej of my staff at (402) 995-2897 or amanda.k.ciurej@usace.army.mil and reference PD# 6680 in the subject line.

Sincerely,



Eric A. Laux
Chief, Environmental Resources and Missouri River
Recovery Program Plan Formulation Section



Planning & Development District III
1808 Summit St PO Box 687
Yankton, SD 57078
(605)665-4408 or 800-952-3562
Fax: (605)665-0303
districtiii@districtiii.org
www.districtiii.org

RECEIVED

JUN 11 2015

SURFACE WATER PROGRAM

MEMORANDUM

Date: June 8, 2015

Subject: **Environmental Review – Water and Wastewater Improvements**

From: Eric Ambrosion, Community Development Specialist

To: *U.S. Department of Agriculture – NRCS*
U.S. Army Corps of Engineers, Omaha District
U.S. Fish & Wildlife Service
SD Department of Game Fish & Parks – Wildlife Division
SD DENR (Office of Waste Mgmt, Office of Drinking Water, Point Source Control Program, Ground Water Quality Program)

AIR QUALITY DETERMINATION

EX If appears, based on the information, that the project will have little or no impact on the air quality in this area. This project is approved.

Approved By: *Brad Schultz*
Date: *6/23/2015*

(605) 773-6038 Fax: (605) 773-5286
South Dakota Department of Environment
And Natural Resources

The Town of Dimock is eligible for funding from the South Dakota DENR for the following project and is seeking your comments:

Water and Wastewater Improvements

The Town of Dimock is seeking to improve its wastewater treatment facilities and expand its water distribution and wastewater collection systems. The wastewater treatment facility has compliance issues regarding maintaining an adequate depth in the pond and freezing of the influent line in the winter. Correcting this deficiency includes replacement of the existing stream crossing segment of the influent line as well as the installation of an interior dike dividing the deeper section from the shallow section. Plans call for 1,500 cubic yards of interior dike construction, 250 linear feet of inlet line, a pond liner measuring approximately 14,500 square yards, plus valves, manholes, and appurtenances.

The Town is also planning to serve an area in the southern part of the community through the expansion of its water distribution and wastewater collection systems. The development area is planned to accommodate 20 lots. BY Rural Water District provides water service to the Town, but is not responsible for providing new water lines. Therefore, the Town must act as the responsible developer and install the lines. Improvements to the development area include 2 1/2" (300 LF) and 3" (750 LF) watermains, 8" sewer mains (1,400 LF), service lines, and appurtenances. Please refer to the attached maps.

Unless you provide information to the contrary within thirty (30) days of the date of this letter the Town of Dimock will consider that your agency has no adverse comments regarding the project.

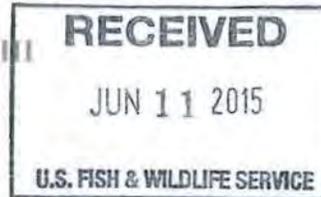
Your earliest response will be greatly appreciated. Thank you for your assistance.

Planning & Development District III Executive Board:

Donald Reinesch	John Claggett	Larry McManus	Art Hertz	Don Hesel	Delayne Persson	Donita Loudner	Mike Sprenger
Brule County	Davison County	Tri-County Landfill	Great Lakes Assn	Wagner	Aurora County	Buffalo County	Presho



Planning & Development District III
 1808 Summit St PO Box 687
 Yankton, SD 57078
 (605)665-4408 or 800-952-3562
 Fax: (605)665-0303
districtiii@districtiii.org
www.districtiii.org



This constitutes a report of the Department of the Interior prepared in accordance with the Fish and Wildlife Coordination Act (16 U.S.C. 661 et seq.). We have reviewed and have NO OBJECTION to this proposed project.

MEMORANDUM

6/18/15 *Scott Hanson*
 Date Field Supervisor

Date: June 8, 2015

Subject: **Environmental Review – Water and Wastewater Improvements**

From: Eric Ambrosion, Community Development Specialist *EA*

To: *U.S. Department of Agriculture – NRCS*
U.S. Army Corps of Engineers, Omaha District
U.S. Fish & Wildlife Service
SD Department of Game Fish & Parks – Wildlife Division
SD DENR (Office of Waste Mgmt, Office of Drinking Water, Point Source Control Program, Ground Water Quality Program)

The Town of Dimock is eligible for funding from the South Dakota DENR for the following project and is seeking your comments:

Water and Wastewater Improvements

The Town of Dimock is seeking to improve its wastewater treatment facilities and expand its water distribution and wastewater collection systems. The wastewater treatment facility has compliance issues regarding maintaining an adequate depth in the pond and freezing of the influent line in the winter. Correcting this deficiency includes replacement of the existing stream crossing segment of the influent line as well as the installation of an interior dike dividing the deeper section from the shallow section. Plans call for 1,500 cubic yards of interior dike construction, 250 linear feet of inlet line, a pond liner measuring approximately 14,500 square yards, plus valves, manholes, and appurtenances.

The Town is also planning to serve an area in the southern part of the community through the expansion of its water distribution and wastewater collection systems. The development area is planned to accommodate 20 lots. BY Rural Water District provides water service to the Town, but is not responsible for providing new water lines. Therefore, the Town must act as the responsible developer and install the lines. Improvements to the development area include 2 1/2" (300 LF) and 3" (750 LF) watermains, 8" sewer mains (1,400 LF), service lines, and appurtenances. Please refer to the attached maps.

Unless you provide information to the contrary within thirty (30) days of the date of this letter the Town of Dimock will consider that your agency has no adverse comments regarding the project.

Your earliest response will be greatly appreciated. Thank you for your assistance.

Planning & Development District III Executive Board:

Donald Reinesch	John Claggett	Larry McManus	Ari Hertz	Don Hosek	Delayne Persson	Donita Loudner	Mike Sprenger
Beale County	Davidson County	Tri-County Landfill	Great Lakes Assn	Wagon	Aurora County	Buffalo County	Preshu
Chairman	Vice Chairman	Secretary	Treasurer	At-Large	At-Large	At-Large	At-Large



Planning & Development District III
1808 Summit St PO Box 687
Yankton, SD 57078
(605)665-4408 or 800-952-3562
Fax: (605)665-0303
districtiii@districtiii.org
www.districtiii.org

RECEIVED

JUN 11 2015

Dept. of Environment and
Natural Resources
Waste Management

**Waste Management Determination
Hazardous Waste/Solid Waste/Asbestos**

It appears, based on the information provided, that this project will have little or no impact on the waste management in this area.

Approved By: Janni Kelleym
Date: 6-12-15

South Dakota Department of
Environment & Natural Resources
Phone: (605) 773-3153 Fax: (605) 773-6035

MEMORANDUM

Date: June 8, 2015
Subject: **Environmental Review – Water and Wastewater Improvements**
From: Eric Ambrosion, Community Development Specialist
To: *U.S. Department of Agriculture – NRCS
U.S. Army Corps of Engineers, Omaha District
U.S. Fish & Wildlife Service
SD Department of Game Fish & Parks – Wildlife Division
SD DENR (Office of Waste Mgmt, Office of Drinking Water, Point Source Control Program, Ground Water Quality Program)*

The Town of Dimock is eligible for funding from the South Dakota DENR for the following project and is seeking your comments:

Water and Wastewater Improvements

The Town of Dimock is seeking to improve its wastewater treatment facilities and expand its water distribution and wastewater collection systems. The wastewater treatment facility has compliance issues regarding maintaining an adequate depth in the pond and freezing of the influent line in the winter. Correcting this deficiency includes replacement of the existing stream crossing segment of the influent line as well as the installation of an interior dike dividing the deeper section from the shallow section. Plans call for 1,500 cubic yards of interior dike construction, 250 linear feet of inlet line, a pond liner measuring approximately 14,500 square yards, plus valves, manholes, and appurtenances.

The Town is also planning to serve an area in the southern part of the community through the expansion of its water distribution and wastewater collection systems. The development area is planned to accommodate 20 lots. BY Rural Water District provides water service to the Town, but is not responsible for providing new water lines. Therefore, the Town must act as the responsible developer and install the lines. Improvements to the development area include 2 1/2" (300 LF) and 3" (750 LF) watermains, 8" sewer mains (1,400 LF), service lines, and appurtenances. Please refer to the attached maps.

Unless you provide information to the contrary within thirty (30) days of the date of this letter the Town of Dimock will consider that your agency has no adverse comments regarding the project.

Your earliest response will be greatly appreciated. Thank you for your assistance.

Planning & Development District III Executive Board:

Donald Reinesch	John Claggett	Larry McManus	Ari Hertz	Don Hosek	Delayne Persson	Donita Loudner	Mike Sprenger
Brad Croney	DANIELSON	Tracy	Great Lakes Assn	Wagner	Autos	Buffalo County	Prushi



Planning & Development District III
 1808 Summit St PO Box 687
 Yankton, SD 57078
 (605)665-4408 or 800-952-3562
 Fax: (605)665-0303
districtiii@districtiii.org
www.districtiii.org

RECEIVED
 JUN 10 2015
 Drinking Water Program

MEMORANDUM

Date: June 8, 2015
 Subject: **Environmental Review – Water and Wastewater Improvements**
 From: Eric Ambrosion, Community Development Specialist *EA*
 To: *U.S. Department of Agriculture – NRCS*
U.S. Army Corps of Engineers, Omaha District
U.S. Fish & Wildlife Service
SD Department of Game Fish & Parks – Wildlife Division
SD DENR (Office of Waste Mgmt, Office of Drinking Water, Point Source Control Program, Ground Water Quality Program)

DRINKING WATER QUALITY DETERMINATION
 it appears, based on the information provided,
 that this project will not have adverse
 environmental effects to drinking water in
 this area. This project is approved.
 Approved by: *[Signature]*
 Date: *6-12-15* ID No.: *2015067*
 605-773-3754 Fax 605-773-5286
 SOUTH DAKOTA DEPARTMENT OF
 ENVIRONMENT & NATURAL RESOURCES

The Town of Dimock is eligible for funding from the South Dakota DENR for the following project and is seeking your comments:

Water and Wastewater Improvements

The Town of Dimock is seeking to improve its wastewater treatment facilities and expand its water distribution and wastewater collection systems. The wastewater treatment facility has compliance issues regarding maintaining an adequate depth in the pond and freezing of the influent line in the winter. Correcting this deficiency includes replacement of the existing stream crossing segment of the influent line as well as the installation of an interior dike dividing the deeper section from the shallow section. Plans call for 1,500 cubic yards of interior dike construction, 250 linear feet of inlet line, a pond liner measuring approximately 14,500 square yards, plus valves, manholes, and appurtenances.

The Town is also planning to serve an area in the southern part of the community through the expansion of its water distribution and wastewater collection systems. The development area is planned to accommodate 20 lots. BY Rural Water District provides water service to the Town, but is not responsible for providing new water lines. Therefore, the Town must act as the responsible developer and install the lines. Improvements to the development area include 2 1/2" (300 LF) and 3" (750 LF) watermains, 8" sewer mains (1,400 LF), service lines, and appurtenances. Please refer to the attached maps.

Unless you provide information to the contrary within thirty (30) days of the date of this letter the Town of Dimock will consider that your agency has no adverse comments regarding the project.

Your earliest response will be greatly appreciated. Thank you for your assistance.

Planning & Development District III Executive Board:

Donald Reinesch Beale County	John Claggett Crosby County	Larry McManus Hill County Landfill	Art Hertz Finnish Culture Assn	Doni Hosek Wagner	Delayne Persson Aurora County	Donita Loudner Buffalo County	Mike Sprenger Preston
---------------------------------	--------------------------------	---------------------------------------	-----------------------------------	----------------------	----------------------------------	----------------------------------	--------------------------



DEPARTMENT OF GAME, FISH, AND PARKS

Foss Building
523 East Capitol
Pierre, South Dakota 57501-3182

June 15, 2015

Mr. Eric Ambrosen
Planning & Development District III
1808 Summit Street
PO Box 687
Yankton, SD 57078

**RE: Water and Wastewater Improvements
Dimock, South Dakota**

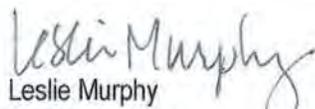
Dear Mr. Ambrosen:

The South Dakota Department of Game, Fish and Parks, Wildlife Division, has reviewed the above project involving improvements to the wastewater treatment facilities in the Town of Dimock, South Dakota. The water distribution system and wastewater collection systems will also be expanded.

At this time, the project described will have no impacts on fish and wildlife resources. However, if the project design changes or if new information becomes available, please submit the changes for review.

If you have any other questions, please feel free to contact me at 605.773.6208.

Sincerely,


Leslie Murphy
Senior Biologist



June 16, 2015

Eric Ambrosen
Planning & Development District III
P.O. Box 687
Yankton, SD 57078

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

Dear Mr. Ambrosen:

The South Dakota Department of Environment and Natural Resources (DENR) reviewed the proposed Dimock Water and Wastewater System Improvements Project dated June 8, 2015. The DENR finds that this construction should not cause violation of any regulations administered by the DENR based on the following comments:

1. At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site. Any construction activity that disturbs an area of one or more acres of land must have authorization under the General Permit for Storm Water Discharges Associated with Construction Activities. Contact the Department of Environment and Natural Resources for additional information or guidance at 1-800-SDSTORM (737-8676) or <http://denr.sd.gov/des/sw/stormwater.aspx>.
2. A Surface Water Discharge (SWD) permit may be required if any construction dewatering should occur as a result of this project. Please contact this office for more information.
3. Plans and specifications for the Wastewater System must be submitted to Al Spangler with the South Dakota Department of Environment and Natural Resources.
4. This segment of the South Fork Twelve Mile Creek that may be impacted is classified by the South Dakota Surface Water Quality Standards and Uses Assigned to Streams for the following beneficial uses:
 - (6) Warmwater marginal fish life propagation waters;
 - (8) Limited contact recreation waters;
 - (9) Fish and wildlife propagation, recreation, and stock watering waters; and
 - (10) Irrigation waters.

Because of these beneficial uses, special construction measures may have to be taken to ensure that the total suspended solids standard of 150 mg/L is not violated.

5. South Fork Twelve Mile Creek and wetlands may be impacted by this project. These water bodies are considered waters of the state and are protected under the South Dakota Surface Water Quality Standards. The discharge of pollutants from any source, including indiscriminate use of fill material, may not cause destruction or impairment except where authorized under Section 404 of the Federal Water Pollution Control Act. Please contact the U.S. Army Corps of Engineers concerning this permit.

If you have any questions concerning these comments, please contact me at (605) 773-3351.

Sincerely,

A handwritten signature in cursive script that reads "John Miller".

John Miller
Environmental Scientist
Surface Water Quality Program

DIMOCK WATER/WASTEWATER FEASIBILITY STUDY

TOWN OF DIMOCK

TOWN BOARD

RICHARD HERROLD	PRESIDENT
DEBBIE NEUGEBAUER	CLERK
TIM WERMERS	TREASURER
DAN SCHOENFELDER	TRUSTEE
VILAS KURTENBACH	TRUSTEE
MIKE BRALEY	ATTORNEY

PREPARED BY

ARENS ENGINEERING

230 CAPITOL

YANKTON, SOUTH DAKOTA

605-665-2002

MARCH, 2015

DIMOCK WATER/ WASTEWATER FEASIBILITY STUDY

TABLE OF CONTENTS

	PAGE
I. ENVIRONMENTAL REVIEW	
A. ENVIRONMENTAL INFORMATION AND BACKGROUND	1
B. HISTORICAL AND ARCHAEOLOGICAL SITES	1
C. FLOODPLAINS AND WETLANDS	1
D. AGRICULTURAL LANDS	1
E. WILD AND SCENIC RIVERS	3
F. FISH AND WILDLIFE PROTECTION	3
G. WATER QUALITY AND QUANTITY	3
H. DIRECT AND INDIRECT IMPACTS	3
I. MITIGATING ADVERSE IMPACTS	3
II. EXISTING AND FUTURE CONDITIONS	
A. PROJECT NEED AND PLANNING AREA IDENTIFICATION	4
B. EXISTING WASTEWATER COLLECTION SYSTEM	4
C. EXISTING WASTEWATR TREATMENT SYSTEM	4
D. EFFLUENT LIMITATIONS	8
E. INFILTRATION AND INFLOW (I/I)	8
F. FUTURE CONDITIONS	9
III. DEVELOPMENT AND SCREENING OF ALTERNATIVES	
A. DEVELOPMENT OF ALTERNATIVES	10
B. OPTIMUM OPERATION OF EXISTING FACILITIES	10
C. UNSEWERED AREAS	13
D. CONVENTIONAL COLLECTION SYSTEM	13
IV. EVALUATION OF PRINCIPAL ALTERNATIVES AND PLAN ADOPTION	
A. ALTERNATIVE EVALUATIONS	14
B. EVALUATION OF MONETARY COSTS	23
C. DEMONSTRATION OF MONETARY COSTS	24
D. CAPITOL FINANCING PLAN	25
E. ENVIRONMENTAL EVALUATION	26
F. COMPARISION OF ALTERNATIVES	27
G. VIEWS OF THE PUBLIC AND CONCERNED INTEREST GROUPS	27

Table of Contents

V.	SELECTED PLAN, DESCRIPTION AND IMPLEMENTATION ARRANGEMENTS	
A.	JUSTIFICATION AND DESCRIPTION OF SELECTED PLAN	28
B.	DESIGN OF SELECTED PLAN	29
C.	COST ESTIMATE OF SELECTED PLAN	29
D.	USER RATE IMPACTS	29
E.	ENVIRONMENTAL IMPACTS OF SELECTED PLAN	30
F.	ARRANGEMENTS FOR IMPLEMENTATION	31
G.	IMPLEMENTATION SCHEDULE	31
VI.	EVALUATION OF PRINCIPAL ALTERNATIVES AND PLAN ADOPTION WATER	
A.	ALTERNATIVE EVALUATIONS	32
B.	EVALUATION OF MONETARY COSTS	36
C.	CAPITOL FINANCING PLAN	36
D.	DESIGN OF SELECTED PLAN	37
E.	ARRANGEMENTS FOR IMPLEMENTATION	37
F.	IMPLEMENTATION SCHEDULE	37
	APPENDIX A: ENVIRONMENTAL REVIEW RESPONSE LETTERS	
	APPENDIX B: WASTEWATER POND SOIL BORINGS	
	APPENDIX C: PUBLIC MEETING MINUTES	

I. ENVIRONMENTAL REVIEW

A. ENVIRONMENTAL REVIEW AND BACKGROUND

The Town of Dimock is located in northwestern Hutchinson County in south eastern South Dakota, approximately 20 miles south of Mitchell, SD. The Town of Dimock is located approximately 70 miles west of Sioux Falls; SD. Dimock is located 5 miles north of the intersection of SD Highway 37 and Highway 44 in northwestern Hutchinson County. The Town of Dimock is the fifth largest community in Hutchinson County. The Town of Dimock has an active Main Street business district, Highway 37 business strip, and local agri-business sections in the community. See Exhibit A: Dimock Town Layout. The 1990 census population was 157 persons. The 2000 population was 151 persons. The 2010 population was 125 persons. The Town of Dimock is striving to maintain their population while many agricultural sectors in South Dakota are experiencing significant population loss. The Dimock Dairy is an active retail facility in Dimock Business District employing 10 to 15 employees. Dimock's quiet country atmospheres are attractions for working families to become residents in the community and work at Dimock Dairy, Farmer Grain, or in the surrounding communities.

B. HISTORICAL AND ARCHAEOLOGICAL SITES

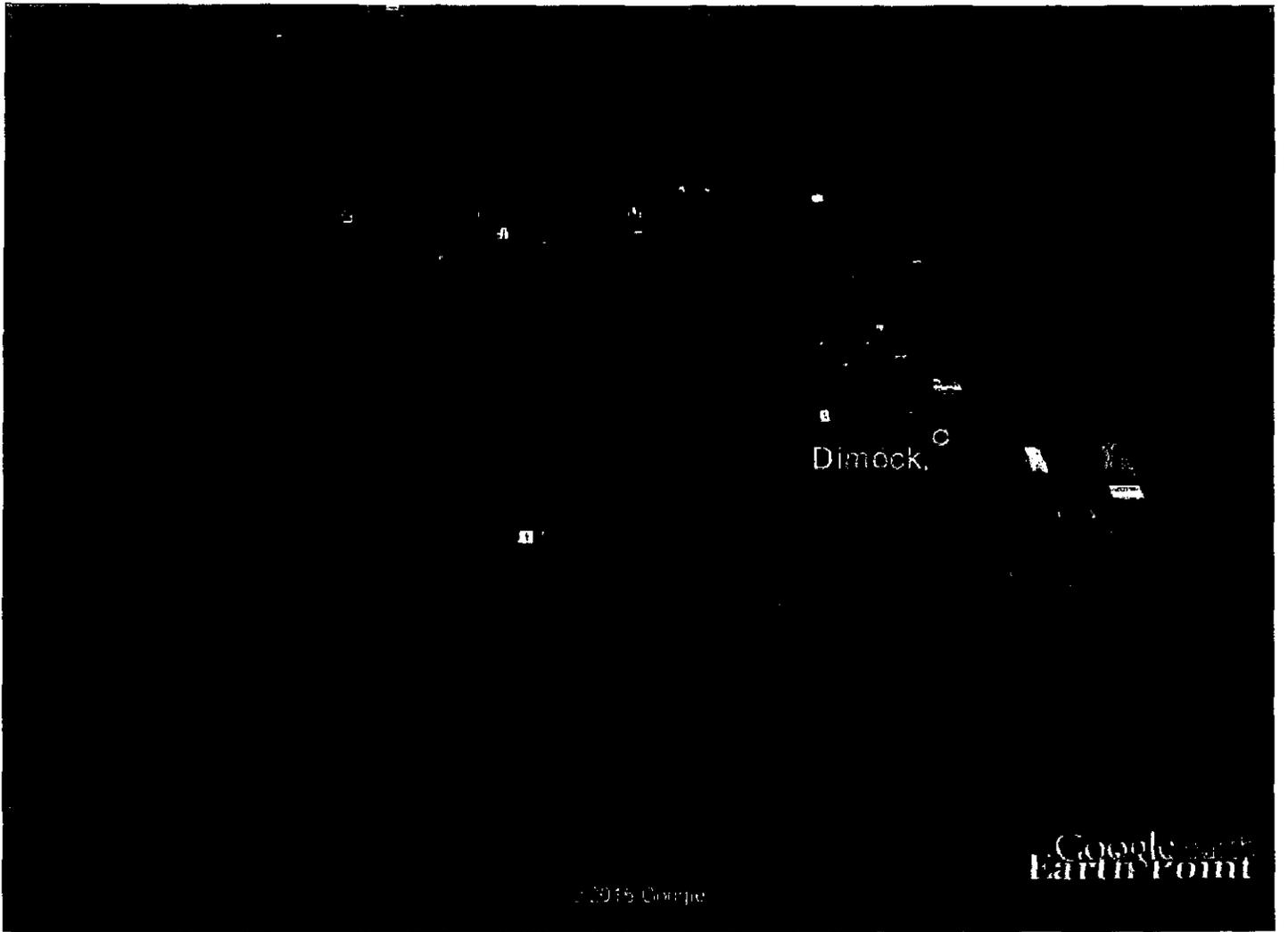
The Dimock water distribution and wastewater collection systems are within the Town of Dimock's street and alley right of way. The Town of Dimock wastewater treatment ponds built in 1968 does not require expansion. There will be no impact to historical and archaeological sites. See letter in Appendix A.

C. FLOODPLAINS AND WETLANDS

The Dimock water distribution and wastewater collection systems are within the Town of Dimock's street and alleys right of ways. The Town of Dimock wastewater treatment ponds built in 1968 does not require expansion. There will be no impact to floodplains and wetland sites. See letter in Appendix A.

D. AGRICULTURAL LANDS

The Dimock water and wastewater systems are within the Town of Dimock's street and alleys right of ways. The Town of Dimock wastewater treatment pond built in 1968 does not require expansion. There will be no impact to agricultural lands. See letter in Appendix A.



Google earth

feet
meters



E. WILD AND SCENIC RIVERS

The Dimock water distribution and wastewater collection systems are within the Town of Dimock's street and alleys right of ways. The Town of Dimock wastewater treatment ponds built in 1968 does not require expansion. The James River is the nearest river, approximately ten miles to the east. There will be no impact to wild and scenic rivers. See letter in Appendix A.

F. FISH AND WILDLIFE PROTECTION

The Dimock water distribution and wastewater collection systems are within the Town of Dimock's street and alleys right of ways. The Town of Dimock wastewater treatment ponds built in 1968 does not require expansion. There will be no impact to fish and wildlife protection. See letter in Appendix A.

G. WATER QUALITY AND QUANTITY

The Town of Dimock wastewater treatment ponds built in 1968 does not require expansion. The wastewater treatment facility is operating well within the project design parameters. As with most small communities in South Dakota, the Town of Dimock is slowly losing population. The wastewater treatment effluent quality is within the NPDES effluents limitations for total retention. The Town of Dimock per capita water usage is well within the design parameters. There are no foreseeable water quality or quantity issues.

H. DIRECT AND INDIRECT IMPACTS

The Dimock water distribution and wastewater collection system improvements direct impacts would be the excavation construction activities regarding the installation of new water and sewer PVC piping plus the recommended improvements to the wastewater treatment ponds. Direct impacts would include storm water runoff from the construction sites. Indirect impacts would include fuel consumption with regards to the excavation construction activities.

I. MITIGATING ADVERSE IMPACTS

A storm water pollution control plan would be incorporated with the water distribution and sanitary sewer expansion project to mitigate the adverse impacts from storm water runoff from the construction site. The street surfacing will be restored to existing conditions and grass areas will be reseeded. The storm water pollution plan will also be incorporated for the recommended improvements at the wastewater treatment pond facilities north of Dimock.

II. EXISTING AND FUTURE CONDITIONS

A. PROJECT NEED AND PLANNING AREA IDENTIFICATION

The Dimock water distribution and wastewater feasibility study planning area is the Dimock's City Limits. Additional areas include the municipal wastewater treatment pond facilities. The wastewater treatment pond facility located approximately three quarter mile north of the Town of Dimock.

B. EXISTING WASTEWATER SANITARY SEWER COLLECTION SYSTEM

The City's original wastewater collection system was installed in 1967 consisting of 8" to 10" vitrified clay pipe, VCP. The collection system within the Town residential and business districts consist of approximately 5,900 LF of 8" VCP installed at 0.28% grade. In 1968, the Town of Dimock constructed a single cell wastewater treatment pond at the present lagoon location, approximately three quarters of a mile north of the community. The sanitary sewer outfall line to the lagoon site consists of approximately 3,900 LF of 10" VCP installed at 0.28%. The topography in the Dimock area is very flat. The wastewater collection is shown in Exhibit B. The wastewater collection has required minimal maintenance. The Town is scheduling South Dakota Rural Water Association to smoke the lines this summer after the frost is out of the ground and potential of high groundwater has lessened. The Town has not cleaned the sewer lines except for emergencies. The study recommends that the sanitary sewer collection and outfall lines be televised and cleaned to assess the condition of the VCP lines. The lines are approximately 50 years old and installed at minimum recommended grade.

C. EXISTING WASTEWATER TREATMENT SYSTEM

The Town of Dimock existing wastewater treatment facility consists of a single bi-level wastewater treatment cell constructed in 1968. The wastewater treatment pond facility is located three quarters of a mile north of the community. See Exhibit C for the wastewater treatment pond layout in relationship to the Town of Dimock. The wastewater pond discharge line was sealed in 1997 making the wastewater pond facility a total retention treatment facility. The primary pond is 6.0 acres. Cell 1 has a maximum operating depth of 5 feet. The municipal wastewater influent enters Cell 1. See Exhibit D for the existing wastewater treatment facility layout.

NORTH TO WASTEWATER
TREATMENT FACILITY

1ST ST

5

270 ST

TOWN OF DIMOCK
WASTEWATER COLLECTION MAP

270 ST

1ST ST

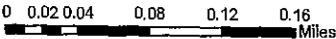
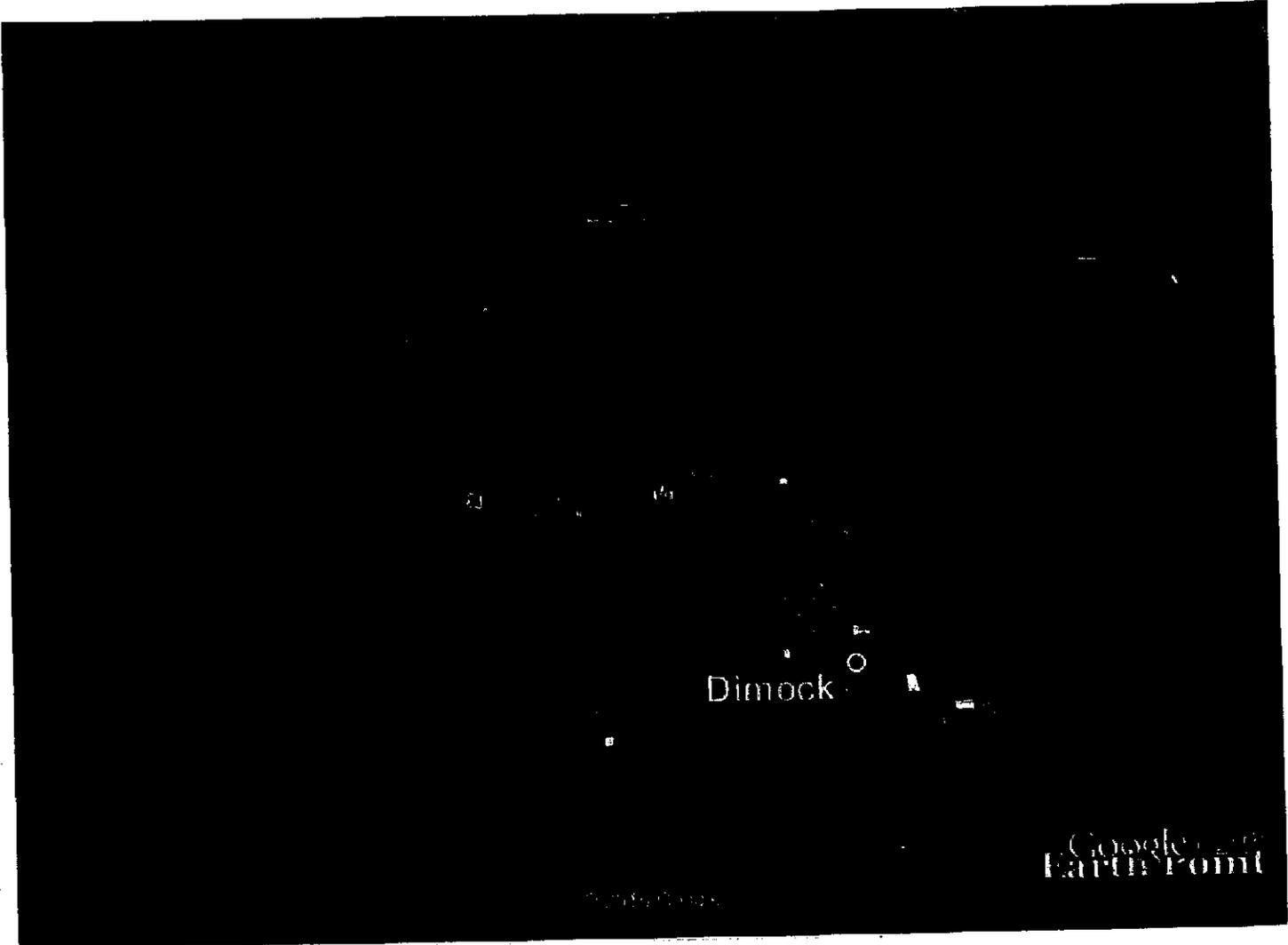


EXHIBIT B



In 1968, the wastewater treatment ^{facility} ~~factory~~ was designed for a population of approximately 600 persons. At a design flow of 100 gallons per person per day, the treatment facility wastewater design flow is 60,000 gallons per day. The Town of Dimock present population is approximately 125 persons. The daily wastewater design per capita flow rate would be 125 person time 100 gallons per person per day equally 12,500 gallons per day. This is approximately 21% of the facility design flow. Cell 1 effective operating depths are three feet from elevation 2 above the floor to maximum operating depth elevation 5 foot level. Cell 1 storage mid-point area would be 261,300 SF or 6.0 acres. Cell 1 effective 180 days storage would be 261,360 SF x 3.93 FT which equals 1,027,000 CF or 7,682,000 Gallons. The wastewater treatment facility design 180 storage requirement would be 12,500 GPD x 180 Days which equals 2,250,000 Gallons. The existing wastewater treatment facility has excessive storage capacity regarding the requirements for the Town of Dimock.

D. EFFLUENT LIMITATIONS

EFFLUENT CHARACTERISTIC:	EFFLUENT LIMIT		
	30 DAY AVERAGE	7 DAY AVERAGE	DAILY MAXIMUM
No discharge shall occur from Cell #1. Total Retention Facility			

The Town of Dimock wastewater treatment system does ^{not} have any noted compliance issue regarding wastewater treatment discharge. The facility has compliance issues regarding maintaining adequate depth in the pond and freezing of the influent line during the winter months. The frozen influent line has resulted in the unauthorized bypass of wastewater into the south fork of Twelve Mile Creek in northern Hutchinson County.

E. INFLOW AND INFILTRATION (I/I)

The Town of Dimock obtains their drinking water supply solely from B-Y Rural Water District. The water distribution system is maintained by B-Y Rural Water District. The Town does not have any responsibilities for the distribution system. The Rural Water District bills each water users in the Town individually and collect the water revenue. The Town does not have any records regarding water use except for their Town Hall and the Town Park, which are the responsibility of the Town.

South Dakota Rural Water Association will smoke test ~~the~~ the Dimock wastewater collection system early this summer. The smoke testing will determine if the wastewater collection system had a major infiltration problem. It is impractical to smoke test the system when there is frozen ground or the presence of high ground water level. The recommended sewer line televising and cleaning will assess if the collection lines have any major deficiency requiring correction.

F. FUTURE CONDITIONS

The 1990 census population was 157 persons. The 2000 population was 151 persons. The 2010 population was 125 persons. The Town of Dimock has a declining population as does many agricultural sectors in South Dakota are experiencing significant population loss. This project is planning for 20+ additional housing units for the southern edge of the Town of Dimock. The additional housing units would place the projected year 2035 population at 175 persons.

With adequate water supply, water distribution system and wastewater collection and treatment system, the Town of Dimock average daily water consumption is anticipated to remain stable at approximately 70 to 80 gallons per person per day. The Town's water consumption would remain low as the Town's is served by B-Y Rural Water District,

III. DEVELOPMENT AND SCREENING OF ALTERNATIVES

A. DEVELOPMENT OF ALTERNATIVES

The Town of Dimock has two wastewater alternatives available for considerations. The first of the two alternatives is 1) the No Action Alternative, which is taking no action as the result of the Dimock Wastewater Feasibility Study. The second alternative is the planning for the additional 20 + residential units for the Town of Dimock plus correcting the deficiencies at the existing wastewater treatment facility.

B. OPTIMUM OPERATION OF EXISTING FACILITIES

The smaller cities and towns with their limited financial budgets tend to concentrate on maintaining their infrastructure systems. Generally, the cities do not have the finances necessary to complete the larger construction improvements for the optimum operation of their existing facilities. This is the status of the Town of Dimock. The wastewater treatment facility has known deficiencies of low water levels and an influent line subject to freeze up during cold winter weather. The freezing of the influent line has resulted in the unauthorized wastewater by-pass to the South fork of Twelve Mile Creek. The present stream crossing consists of a series of treated support pilings and a laminated beam to support the insulated carrier pipe. The laminated beam has twisted, resulting in a sag in the carrier pipe subject to complete submergence within the sag segment. The pipe supporting cables have resulted in deterioration of the insulation jacket subjecting the carrier pipe for freezing during cold weather. See pictures of the existing stream crossing section in Exhibits E and F. The Town of Dimock requires financial assistance in order to place their wastewater treatment system in the optimal operating condition. The wastewater treatment facility requires major infrastructure improvements in the near future.

The wastewater treatment system was built in 1960's. The wastewater treatment system is in good operating condition, expecting an additional 40 to 60 years of operation. The 6.0 acre single cell pond is too large for the Town of Dimock population of 125 persons. The report recommendation is that an interior dike be installed dividing the single cell pond into a smaller primary treatment cell and final wetland basin. Also the facility's stream crossing line requires replacement. The final concern is the condition of the 50 year old clay liner to the primary cell area of the existing wastewater treatment facilities. These recommendations will be developed in the Evaluation of Principal Alternative Section.



Pond Stream Crossing South Half Showing Sag



Pond Stream Crossing North Half

Exhibit E



Pond Stream Crossing Twisted Laminated Beam Causing Sag



Pond Stream Crossing Twisted Laminated Beam

Exhibit F

C. UNSEWERED AREAS

The Town of Dimock has only one business that is not connected to the wastewater collection system. The business has a septic tank wastewater collection system. The business is the Dimock Farmers Elevator which is located on the east side of the railroad tracks which passes north-south through the Town of Dimock. The business is the only user which lies east of the railroad tracks. Due to the business low water consumption and the cost of installing a sewer line inside of a steel carrier pipe required for the railroad crossing. The Study's recommendation is that the Dimock Farmers Elevator remains on a septic tank system.

D. CONVENTIONAL COLLECTION SYSTEM.

The Town of Dimock has a conventional gravity wastewater collection system that was installed in 1967's with vitrified clay pipe. The wastewater collection system is shown in Exhibit B. The in town collection system consists 8" vitrified clay pipe installed at 0.28% grade. The collection system consists of three long segments, First Street from the Catholic Church on the west to Main Street on the east, King Street from First Street to Sixth Street and Main Street from First Street to Sixth Street. The long outfall line from First Street to the wastewater treatment pond is 10" vitrified clay pipe installed at 0.28% grade. The system was installed at minimum grade due to Dimock's nearly level topography. The collection system has work fairly well with minimal sewer line cleaning and maintenance. The useful life of vitrified clay pipe is 60 to 100 years. The Town of Dimock will be cleaning and televising the lines to assess their conditions. After this has been completed, a Study amendment would be prepared addressing the assessment of the existing vitrified clay pipe. The Town of Dimock does not have a need to look at alternative wastewater collection systems, vacuum sewer systems or pumped small diameter sewer collection systems.

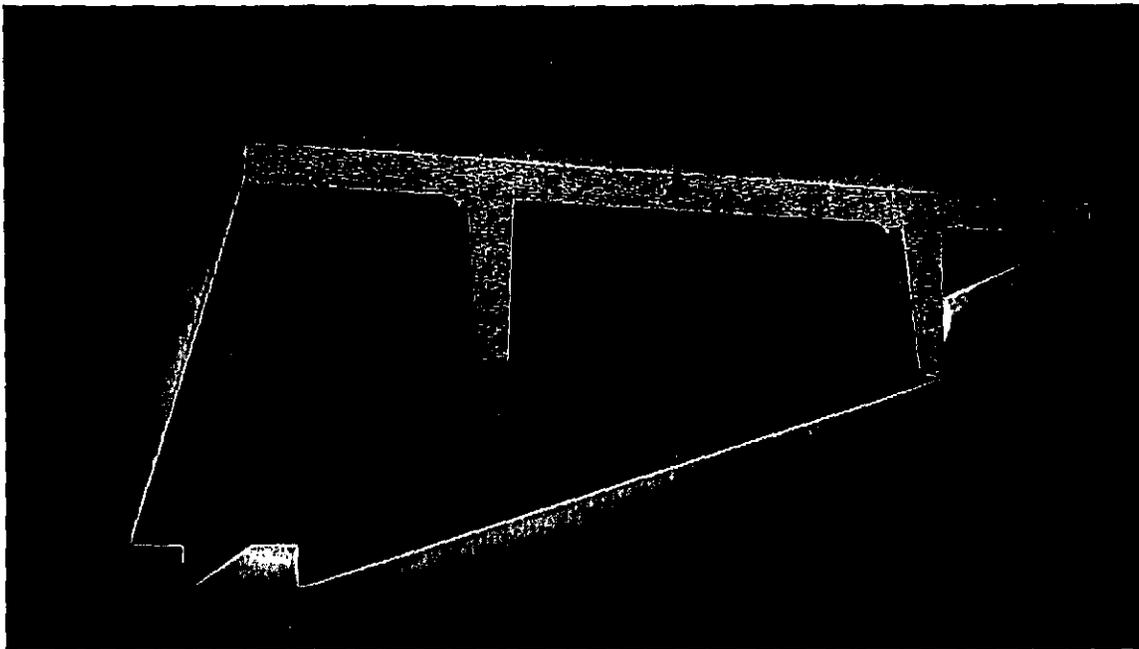
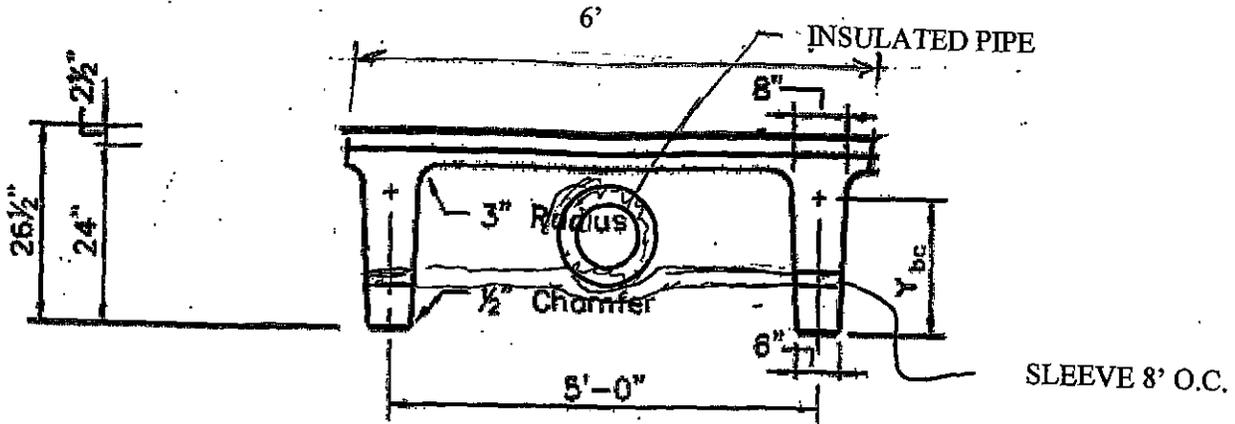
IV. EVALUATION OF PRINCIPAL ALTERNATIVES AND PLAN ADOPTION- WASTEWATER

ALTERNATIVE EVALUATION

1) The No Action alternative is not a viable option for the Town of Dimock wastewater treatment system. The No Action alternative does not address the deficiencies of the Town's wastewater treatment facility. The facility is oversized for the Town's present population of 125 persons and has a problem on maintaining a minimum of two feet of water in the primary pond section of the facility. Also the existing stream crossing segment of the influent line is in a poor condition, resulting in occasional freeze up of the line and the resulting unauthorized by-pass of wastewater to the South fork of Twelve Mile Creek.

2) The wastewater improvement recommendation is proposed as two separate improvements projects. The first improvements project is the wastewater treatment project to correct the deficiencies at the existing wastewater treatment pond. The first segment is the replacement of the existing stream crossing segment of the pond influent line. The existing crossing is in a deteriorated condition that is subject to freeze-up during the cold winter months. The recommendation is the replacement of the stream crossing segment. The study recommendation is the stream crossing is replaced with a precast concrete double tee beams supported on concrete piers. The stream crossing will require two fifty foot long beams supported on short concrete end walls at the south stream bank and at the south dike of the wastewater treatment pond. A taller concrete pier would be required at the midpoint of the stream crossing, north of the main stream channel. The beams would be installed on grade to allow the new insulated pipe section to be hung between the tee sections of the beam. See Exhibit G and Exhibit H regarding the double tee installation. Locating the insulated pipe between the tees would provide the insulated pipe protection from vandalism and severe weather conditions. Plus the beams would be installed with hand railing and chain link control access fencing at the ends in order to provide access to the wastewater treatment pond. The existing pond does not have a mean to reach the pond when there is major stream flow in the South Fork of Twelve Mile Creek.

The second phase of the wastewater treatment pond project would be the installation of an interior dike dividing the deeper section from the shallow section of the existing bi-level pond. The existing pond was designed for a population of 600 persons. This study projected design population is 175 persons. This is approximately 30% of the original design population. Thus the existing pond has difficulty in maintaining a minimum of two foot of water level in the deeper section of the bi-level pond.



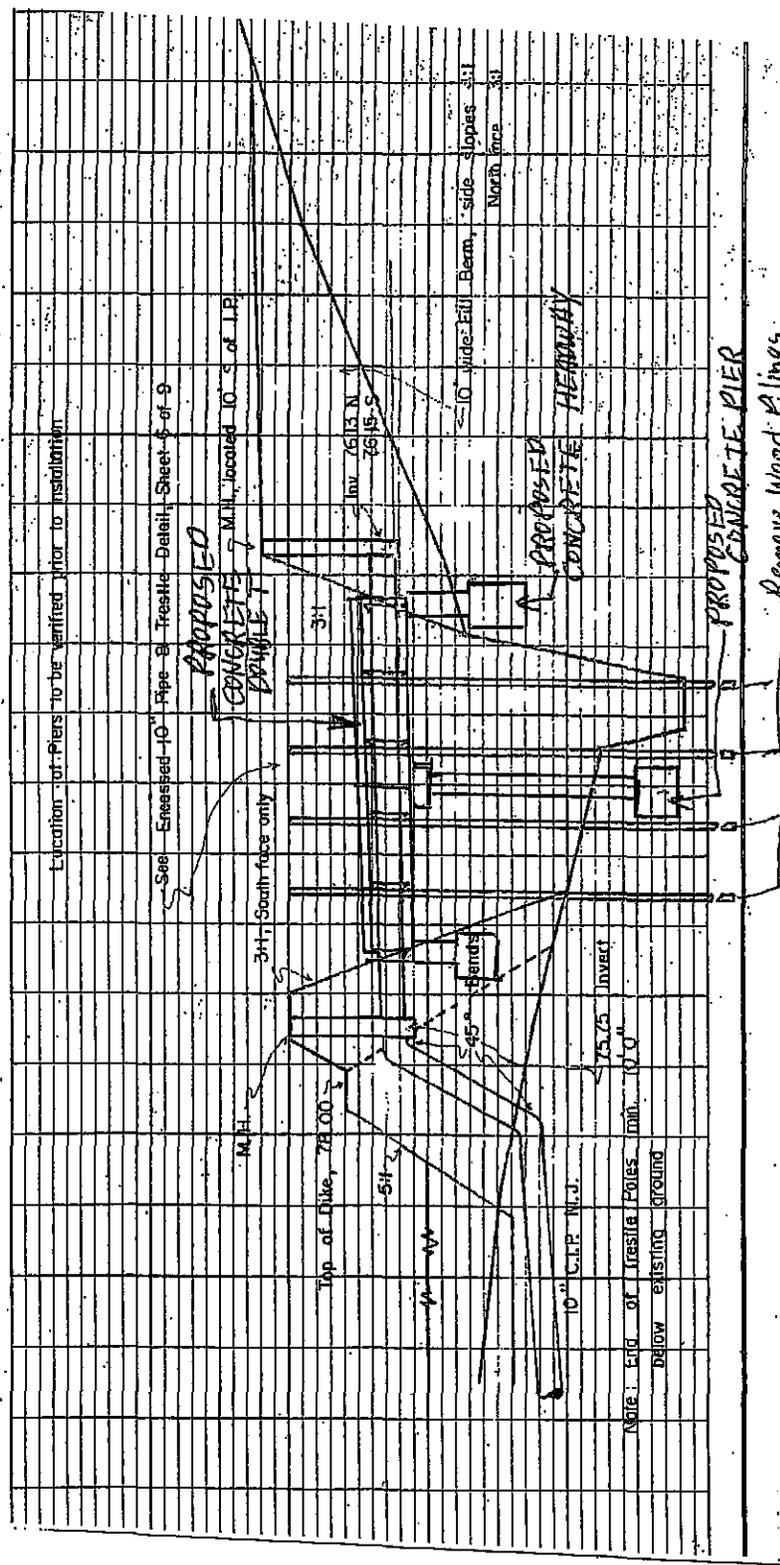
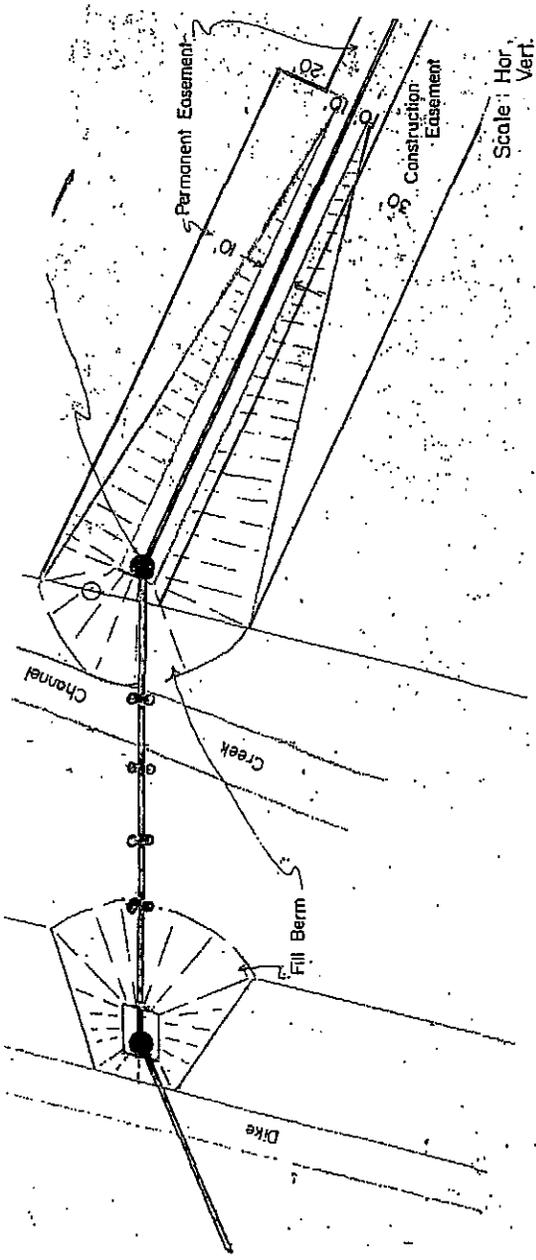


EXHIBIT H

The installation of the interior dike would allow the shallow section on the pond to become a wetland area. The primary cell would discharge into the wetlands as necessary to maintain adequate storage capacity in the primary cell during the winter months. See Exhibit I for the proposed wastewater treatment pond improvements. The construction schedule for the wastewater treatment pond improvements should be the Fall of 2015. This would allow the stream crossing segment to be replaced prior to the next winter season and the prospect of another stream crossing line freeze-up. Also, the Fall low to zero stream flow in the South Fork of Twelve Mile Creek would allow interior dike borrow excavation be obtained from the Town's owned property south of the creek. A temporary stream crossing would be utilized to transport the fill material required for the interior dike construction. The project includes installing a new inlet line into the new Primary Cell. The existing low inlet line is located under the proposed interior dike location. The existing line is approximately 50 years old and its condition is unknown. It is assume to be in average to poor condition. With construction equipment installing the interior dike above the existing pipe, the recommendation is that a new inlet line be installed for the proposed primary cell. The new line life would be another 50 years. The project would also include a by-pass inlet line to the wetland basin. The by-pass line would allow the wastewater to be temporally transferred to the wetland basin while maintenance work is being performed on the primary treatment basin.

A primary concern for the new primary treatment cell is the condition of the cell clay liner. The pond was constructed nearly 50 years ago. The pond construction plan included the soil borings conducted during the project design. The boring logs showed the presence of sand in the lower area for boring #3. The soil borings log is located in Appendix B. The construction plan cross sections do not indicate that a clay liner was installed at the time of the pond construction. The pond slopes do not have riprap installed. A probable improvement is drying out the primary pond and the installation of new clay liner. However, the study recommendation that is alternative would be impractical for construction equipment to excavate the bottom and the hauling in the borrow clay required for the liner. The pond bottom has been saturated for nearly 50 years. The study recommendation is the sludge deposits be removed and a geosynthetic membrane liner be installed. The liner can be installed over a soft soil condition.

The proposed primary cell criteria would be a design population of 175 persons and design flow of 100 gallons per day per capita. For 150 days, the design volume would be 175 persons x 100 gpdpc x 150 days = 2,625,000 gallons or 350,100 cubic feet.

BANK Top of Iron Pin
Elev. 78.51

BANK Top of Iron Pin
Elev. 73.90

PROPOSED BORROW EXCAVATION SITE

PROPOSED WETLAND BASIN

PROPOSED TRESTLE REPLACEMENT

PROPOSED TRANSFER LINE

PROPOSED DIKE 77.0

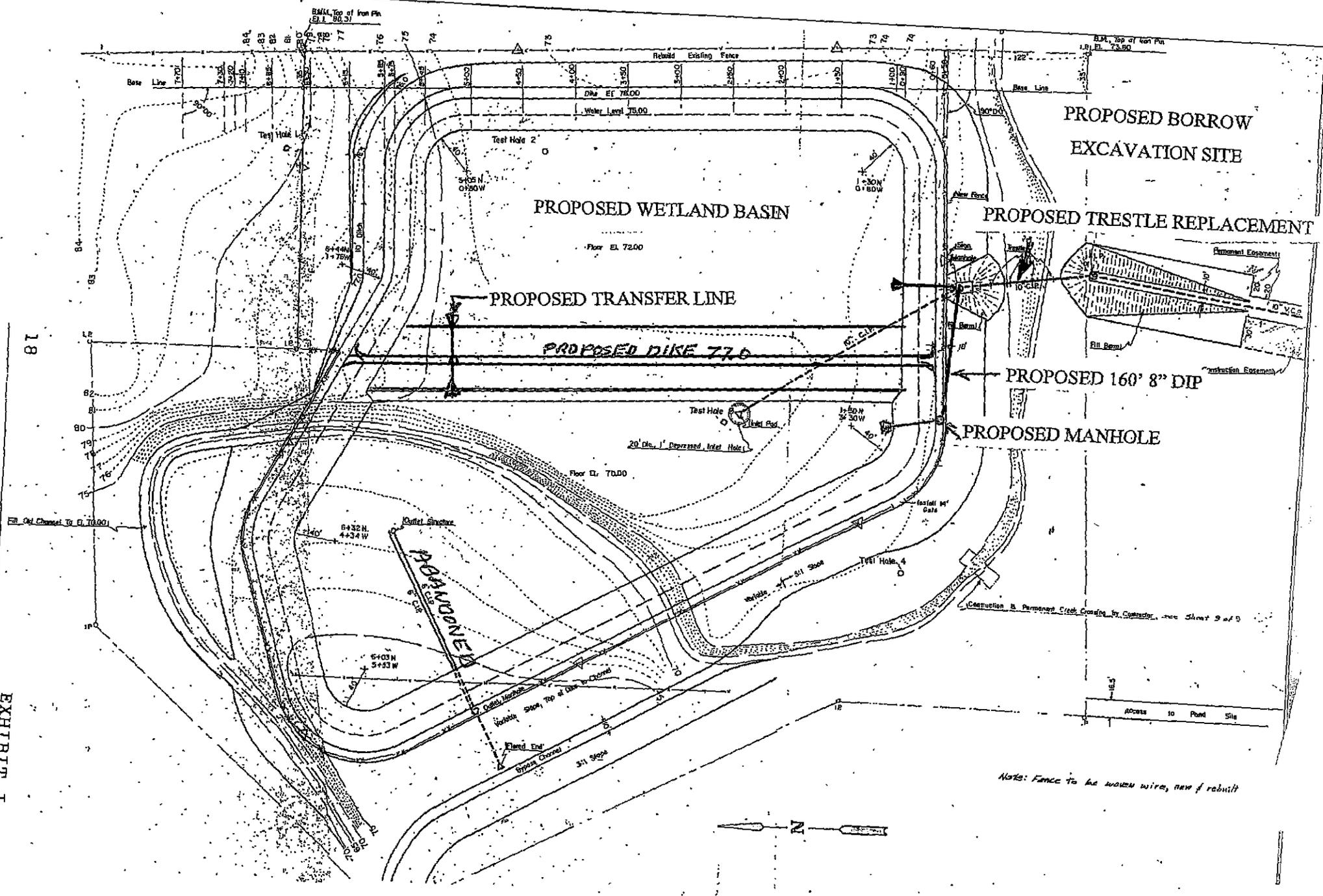
PROPOSED 160' 8" DIP

PROPOSED MANHOLE

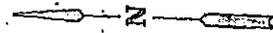
Old Channel to E. 70.80

18

EXHIBIT I



Note: Fence to be woven wire, new if rebuilt



Access to Pond Site

Construction & Permanent Creek Crossing by Contractor, see Sheet 9 of 9

Floor EL. 70.00

Water Level 75.00

Floor EL. 72.00

20' Dia. 1' Depressed Inlet Hole

ABRAMSON
ENGINEERS

Flow End

Drains Channel

5:1 Slope

84
83
82
81
80
79
78
77
76
75
74
73
72
71
70
69
68
67
66
65
64
63
62
61
60
59
58
57
56
55
54
53
52
51
50
49
48
47
46
45
44
43
42
41
40
39
38
37
36
35
34
33
32
31
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

Base Line

Base Line

Rebuild Existing Fence

Test Hole 1

Test Hole 2

Test Hole 3

Test Hole 4

New Fence

Sign

10' CL

Based on an allowable 0" per day percolation with an impermeable membrane liner, the primary cell effective depth is 3 feet plus 150 days x 0" per day = 3 feet + 0 feet = 3.0 feet. The primary pond required area = 350,100 CF divided by 3.0 feet = 117,000 SF or 2.68 acres. This is the approximate area of the lower section of the existing bi-level pond. This would be a recommended solution to the Town of Dimock oversized wastewater treatment pond. The project's opinion of probable construction costs is as listed in the following table.

Dimock Wastewater Pond Improvement Project Opinion of Probable Costs

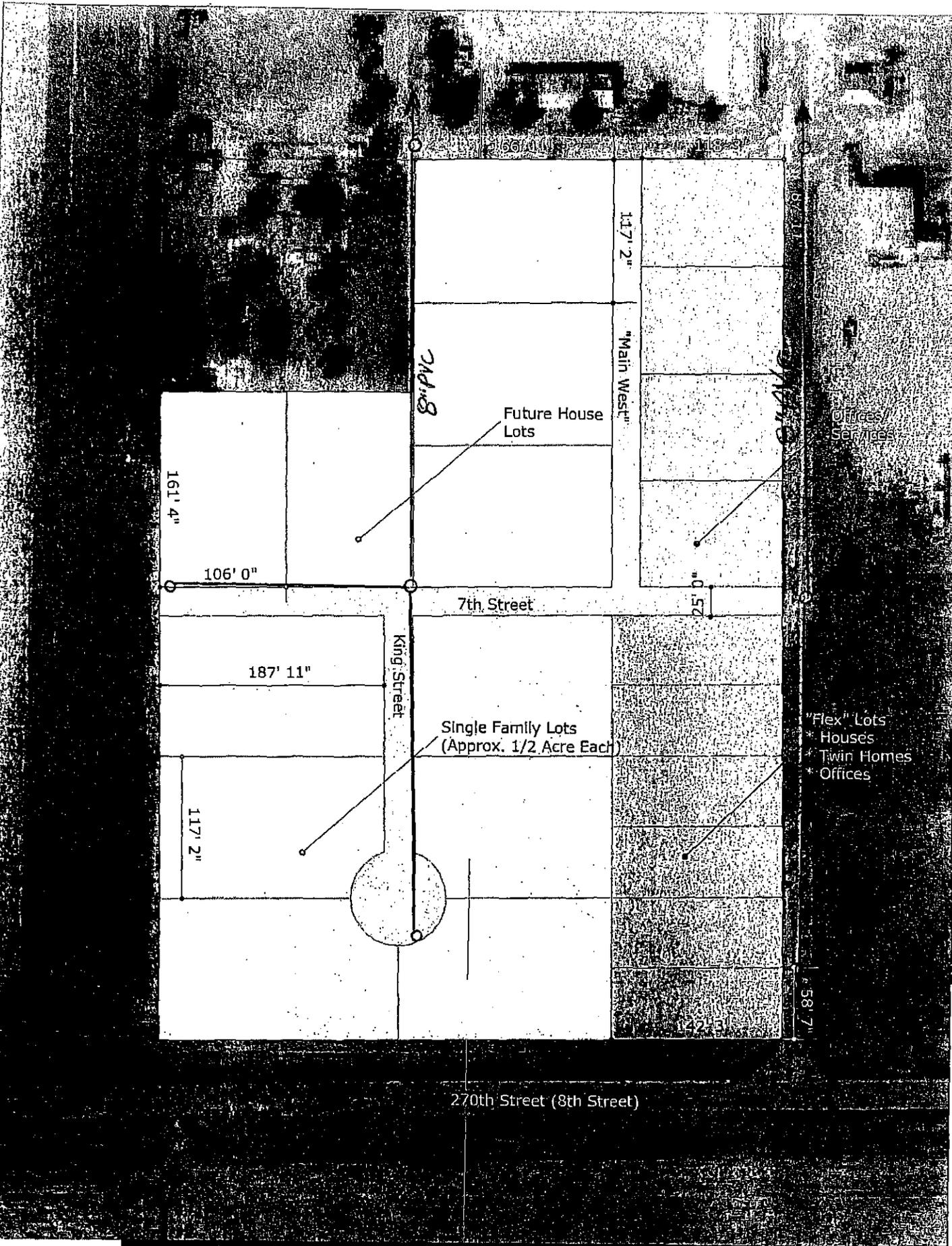
Wastewater Treatment Pond Improvements

NO.	ITEM	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL ESTI-MATED PRICE
1.	Interior Dike Construction	C.Y.	1,500	\$14/CY	\$21,000
2.	8" DIP Inlet Line	L.F.	250	\$48/LF	\$12,000
3.	6" DIP Transfer Line	L.F.	75	\$40/LF	\$3,000
4.	6" Control Valves	Each	1	\$800/Each	\$800
5.	Concrete Manholes	Each	3	\$3,500/Ea	\$10,500
6.	Concrete Control Structures	Each	4	\$1,500/Ea	\$6,000
7.	Concrete Depth Indicators	Each	2	\$1,100	\$2,200
8.	Existing Trestle Demolition	Lump Sum	1	\$1,500/LS	\$1,500
9.	Concrete Trestle Installation	Lump Sum	1	\$35,000/LS	\$35,000
10.	8" Insulated Piping	L.F.	120	\$150/LF	\$18,000
11.	Walkway Hand Railing and Fencing	Lump Sum	1	\$5,000/LS	\$5,000
12.	Primary Sludge Removal	L. S.	1	\$20,000/LS	\$20,000
13.	Geosynthetics Pond Liner	S.Y.	14,500	\$9/SY	\$130,500
14.	Grass Seeding	Acres	4	\$1000/Acre	\$4,000
15.	Contingencies 10%				\$26,950
Construction Sub-Total					\$296,450
1.	Preliminary Engineering, Sewer Line Cleaning and Televising				\$20,000
2.	Design Engineering				\$13,300
3.	Construction Engineering				\$23,500
4.	Project Administration				\$ 4,000
Services Sub-Total					\$60,800
Project Total					\$357,250

Cost Opinion does not include riprap for the smaller primary cell as the Geosynthetics Membrane liner deletes the requirement for the dikes slopes riprap.

3) The final recommendation is sanitary sewer collection extension for the Dimock South Development Project, at the southern edge of Dimock west of Main Street and south of Sixth Street. See Exhibit J for South Development layout. The proposed development will have approximately 20 lots for primary residential low income homes. Several lots west of Main Street could develop for start-up businesses. The Town Board is taking as pro-active action to attract families to the community. The Town proposal is to utilize low income Governor Homes for the lots, keeping the prices within the range for first time mortgages. The lots may also attract retire farmers moving off the farms for the next generation to take over. The King Street sanitary sewer extension would utilize back and side yard easements for the first segment. The second segment would be for King Street cul-de-sac. The King Street extension would not include any street surfacing replacement costs, as no existing street surfacing exists.

The east half of the proposed development would be served by the Main Street sanitary sewer extension. Main Street serves as a truck route to the Dimock Main Street business district, thus it has an asphalt surfacing mat. The proposed sanitary sewer extension project does include the replacement of the asphalt surfacing for Main Street from south of Sixth Street to 270th Street. The Main Street sanitary sewer extension would provide the opportunity of business start up for the east side of Main Street south of Neugebauer Trucking. The two sanitary sewer extensions are an essential component for the Dimock's south development project.



August, 2014

Dimock, SD | Development Project

The project's opinion of probable construction costs is as listed in the following table.

Dimock South Development Sewer Project Opinion of Probable Costs

Sanitary Sewer Improvement

No.	Item	Quantity	Unit Price	Cost
1.	8" PVC Sanitary Sewer	1,400 LF	\$ 26.00/LF	\$36,400
2.	48" RCP Manholes	5 Each	\$ 3,000/Each	\$15,000
3.	4" PVC Service Line	400 LF	\$ 20.00/LF	\$ 8,000
4.	8" x 4" Sewer Wye	12 Each	\$ 250/Each	\$ 3,000
5.	4" Service Connection	12 Each	\$ 250/Each	\$ 3,000
6.	Sewer Main Connections	2 Each	\$ 500/Each	\$ 1,000
7.	Granular Rock Bedding	1,400 LF	\$ 4.00/LF	\$ 5,600
8.	Asphalt Surfacing Removal	2,000 SY	\$ 2/ SY	\$ 4,000
9.	Roadway Preparation	2,000 SY	\$2.50/SY	\$ 5,000
10.	Aggregate Base Course	1,250Tons	\$ 14.00/Ton	\$17,500
11.	Asphalt Concrete Surfacing	450 Tons	\$ 90.00/Ton	\$ 40,500
12.	Contingencies	10%		\$ 13,900
	Construction Sub-Total			\$ 152,900
	Design Engineering			\$ 6,500
	Construction Engineering			\$ 12,200
	Admin. & Legal			\$ 1,000
	Services Sub-Total			\$ 19,700
	Construction Total			\$ 172,600

B. EVALUATION OF MONETARY COSTS

Alternative #2 Wastewater Pond Improvement Project

This alternative is the recommended for wastewater treatment pond project correcting deficiencies at the existing wastewater treatment pond constructed in 1968. The Dimock Wastewater Pond Improvement Project alternative opinion of probable costs is as follows:

<u>Item (Includes 10% Contingencies)</u>	<u>Cost</u>
Wastewater Treatment Pond Improvements	\$ 296,450
Preliminary Engineering	\$20,000
Design/Construction Engineering	\$ 36,800
<u>Administration and Legal</u>	<u>\$ 4,000</u>
Total Project Cost	\$357,250

Alternative #3 South Development Sewer Project

This alternative is recommended for a proposed development sanitary sewer project. The Dimock South Development Sewer Project alternative opinion of probable costs is as follows:

<u>Item (Includes 10% Contingencies)</u>	<u>Cost</u>
Sanitary Sewer Improvements	\$ 152,900
Engineering	\$ 18,700
<u>Administration and Legal</u>	<u>\$ 1,000</u>
Total Project Cost	\$ 172,600

Total Project Cost **\$529,850**

The Report recommends that both alternative be submitted as a single improvement project for the Town of Dimock

C. DEMONSTRATION OF FINANCIAL CAPABILITY

The Town of Dimock Waste Water Department operates on a self-supporting fund. The Town of Dimock monthly wastewater rates is as follows: minimum charge of \$17.00 flat rate for residential and small business. The Dimock Dairy is charged \$60.00 per month and the Saint Peter and Paul Catholic Church is charged \$45.00 per month. In order to obtain financial assistance, the Town of Dimock is increasing the residential minimum charge to \$25.00 per month, the commercial accounts to \$30.00 per month, and the Dimock Dairy minimum charge to \$85.00 per month. The resolution increasing the fees was adapted at the March 16, 2015 board meeting and effective July 1, 2015. The Town of Dimock Water Department 2009 budget is as follows:

Sanitary Sewer Department Self Supporting Fund – 2009

Residential	60 x \$25.00	\$ 1,500
Dimock Dairy		\$ 85
Catholic Church		\$ 45
<u>Commercial Accounts</u>	<u>5 X \$30.00</u>	<u>\$ 150</u>
Monthly Income		\$ 1,780
Means of Financing		
Annual Fees		\$ 21,360

The Wastewater Account Balance as of February 1, 2015 was \$110,000.00.

The Wastewater Department does not have an existing loan payment requirement. The Town of Dimock does not have a formal annual budget for the wastewater treatment department.

D. CAPITAL FINANCING PLAN

The Town of Dimock qualifies for the disadvantage State Revolving Fund rate of 3.25%. The report will assume that any loan amount will be financed through the Clean Water SRF Program, as the Rural Development Water and Waste Loan interest rate is 4.125%.

The first possible financing package for the recommended Dimock 2015 Wastewater Improvements Project is as follows:

Proposed Funding Package

Consolidated Grant	\$329,850
Clean Water SRF Loan	\$150,000
CDBG Grant	\$ 0
<u>Local Cash</u>	<u>\$ 50,000</u>
Total Project Cost	\$ 529,850

This financing package assumes that the Town of Dimock will be the recipient of favorable grant awards for the project. Based on a \$ 150,000 loan amount at a 3.25% over thirty years, the loan annual payment would be approximately \$8,300 per year. The Dimock 2015 Wastewater Project loan payment will be made through increased wastewater user rates as the wastewater department annual surplus is insignificant for a loan repayment. The project financial arrangements will require additional adjustments to the Town's wastewater user rate schedule. The financing package would require the Town of Dimock to increase the average monthly wastewater billing by approximately \$11.50 per month. The required residential billing would be \$36.50/month.

The second possible financing package for the recommended Dimock 2015 Wastewater Improvements Project is as follows:

Proposed Funding Package

Consolidated Grant	\$ 0
Clean Water SRF Loan	\$479,850
CDBG Grant	\$ 0
<u>Local Cash</u>	<u>\$ 50,000</u>
Total Project Cost	\$ 529,850

This financing package assumes that the Town of Dimock will not be the recipient of favorable grant awards for the project. Based on a \$ 479,300 loan amount at a 3.25% over thirty years, the loan annual payment would be approximately \$25,250 per year. The Dimock 2015 Wastewater Project loan payment will be made through increased wastewater user rates as the wastewater department annual surplus is insignificant for a loan repayment. The project

financial arrangements will require additional adjustments to the Town's wastewater user rate schedule. The financing package would require the Town of Dimock to increase the average monthly wastewater billing by approximately \$34.50 per month. The required residential billing would be \$59.50/month.

E. ENVIRONMENTAL EVALUATION

The Dimock 2015 Wastewater Improvements Project alternative would have a positive environmental impact to the Town of Dimock by the fact it would replace the aging wastewater treatment pond stream crossing influent line that is subject to freezing during the winter months. The freeze-up of this line has resulted in the unauthorized by-pass of wastewater to the South Fork of Twelve Mile Creek. The laminated wooden support beam has twisted, causing a sag in the stream crossing pipe. The sag is subject to freeze-up during extremely cold weather. This year the Town of Dimock had Bender Sewer of Mitchell to remove the ice plug and restore wastewater flow in the influent line. Secondly, the installation of an interior dike in the existing 6.0 acre wastewater treatment pond would restore the primary cell function of the pond. The existing has a design population of 600 persons, vastly oversized for the Town's present population of 125 persons. Presently, the bi-level pond has difficulty in maintaining two feet of water in the lower section of the pond. The upper section of the pond has essentially developed into a wetland. The interior dike would separate the lower primary treatment section from the wetland section of the pond. The project also includes installing a geosynthetic membrane liner for the new primary cell. The existing cell bottom liner is nearly 50 years old and in uncertain condition. The geosynthetic liner would provide new life to the existing wastewater treatment facility. Pond wastewater would be transferred into the wetland section as necessary to maintain the recommended water level in the primary cell. Finally, the sanitary sewer collection lines extension for the Dimock South Development project would provide the Town with additional residential users. As with many Towns in South Dakota, Dimock is trying to retain its population base. As stable population base is required for the Town has the stable revenues for maintaining the wastewater improvement budget. A declining population places larger economic requirements on the remaining residents. Thus the Town of Dimock is pro-active in attracting new families to the community. The Dimock 2015 Wastewater Improvements Project would provide substantial positive environmental impact for the Town of Dimock.

F. COMPARISON OF ALTERNATIVES

The No Action alternative is not recommended. The No Action alternative would result in the eventual failure of the wastewater pond influent stream crossing pipe segments. The No Action alternative retains the existing stream crossing line installed approximately 50 years ago. The influent will eventually fail due to continued winter freeze-up of the line during the cold winter months. Without any planned improvements, the stream crossing line failure would result from the continued twisting of the wood laminated support beam supporting the cables holding the insulated carrier pipe. The present set-up has already resulted in the unauthorized by-pass of wastewater to the South Fork of Twelve Mile Creek. Plus the oversized wastewater treatment pond will see further deterioration as the bi-level pond has difficulty in maintaining more than 2 feet of water in the pond lower section. Above 2 foot depth, the wastewater would spread out into the upper wetland vegetation area. An interior dike installation is required to maintain the wastewater in the primary cell section of the pond.

The Study's recommendation is the implementation of the Dimock's 2015 Wastewater Improvement project. Now is the time to correct the noted deficiencies at the existing wastewater treatment pond before the next winter season. The noted deficiencies can be corrected with the replacement of the stream crossing influent pipe segment and the installation of an interior dike in the bi-level pond separating the lower pond section from the upper pond section. These improvements can be readily completed by a general contractor. Also included in the recommendation is the sanitary sewer collection system extension to serve the proposed Dimock South Development site. The Town requires being pro-active in order to retain its population base.

G. VIEW OF THE PUBLIC AND CONCERNED INTEREST GROUPS

The Town of Dimock will schedule a public hearing regarding the Dimock 2015 Wastewater Improvements Project. The meeting minutes will be taken and submitted for inclusion with the Study. The meeting minutes will be located in Appendix C. The citizens of Dimock know that the Town's wastewater treatment pond is in need of repair and improvements. The cost for correcting the deficiencies would be costly. Postponing the correction of the deficiencies would be even costlier.

V. SELECTED PLAN, DESCRIPTION AND IMPLEMENTATION ARRANGEMENTS

A. JUSTIFICATION AND DESCRIPTION OF SELECTED PLAN

In order for the smaller cities to maintain their economic vitality, the Town must be progressive in maintaining a stable wastewater collection and treatment. The smaller cities progressive in maintaining an attractive community had a better chance in maintaining their population base. The wastewater treatment system is one of the critical elements of a community infrastructure system. Presently, the Town's wastewater treatment pond was constructed in 1968 for a design population of 600 persons. The treatment facility is over designed for the Town's present population of 125 persons. The bi-level pond has difficulty in maintaining two foot of water in just the lower level of the pond. Plus the stream crossing pipe segment at the pond site is in a deteriorated condition subject to freeze up during the cold winter months. The freeze up of the line has resulted in unauthorized by-pass of wastewater to the South Fork on Twelve Mile Creek. The Study's recommendations are for the complete replacement of the stream crossing pipe segment at the pond site plus the installation of an interior dike to separate the existing pond lower primary treatment section from the upper present wetland section of the pond. The low water level has resulted in the pond's upper section to be filled with wetland vegetation. The interior dike installation would create a formal primary treatment cell for the pond. These improvements will bring the treatment pond in compliance with the pond treatment requirements. Finally, a new geosynthetic membrane liner would be installed for the primary cell portion of the improved wastewater treatment pond.

The second phase of the wastewater improvement project is the extension of the Town's wastewater collection system to service a Dimock South Development area. The Town is pro-active in attracting new families and start-up businesses to the community. The development site is west of Main Street and between Sixth Street on the north and 270th Street on the south. The proposed development requires the extension of the Main Street and King Street sanitary sewer collection lines. Main Street is a truck route for the Dimock business district, thus this two block extension would require the replacement of the existing asphalt surfacing mat. The proposed development does not have any existing roadway, thus the King Street extension would not require any street surfacing replacement. The Town Board desire is to provide starter homes for young families and retirement home sites for retiring farmers turning over their operation to the younger generation. Without being pro-active, the Town of Dimock would continue to experience a population decline until it's eventually loss of the population base.

B. DESIGN OF SELECTED PLAN

The first step would be the Town of Dimock completing the application to be placed on the State Water Plan. The Town will then seek grant and loan funds for the project construction. The construction design plans and construction bid documents will be submitted for South Dakota Department of Environment and Natural Resources review by mid-summer. Ideally, the wastewater treatment pond improvements would be completed in the Fall, 2015. The existing stream crossing pipe segment will experience continued deterioration with time and like freeze-up again next winter. During the fall months, the South Fork of Twelve Mile Creek has zero to minimal stream flow. This would allow the replacement of the stream crossing piping and the installation of a temporary stream crossing for the interior dike installation. The Town of Dimock has borrow excavation site on the south side of Twelve Mile Creek. The Town would not need to obtain borrow excavation agreement with an adjacent landowner. Thus time is of essence for this construction schedule. The Town would also desire that the South Development sanitary sewer extension be constructed at the same time. This may save on mobilization costs if the same contractor performed both phases of the project. Presently, the low mortgage rates are ideal for the housing development to be initiated.

C. COST ESTIMATE OF SELECTED PLAN

The construction cost estimate for the Dimock 2015 Wastewater Improvements Project is located on pages 19 and 22 of this report.

D. USER RATE IMPACTS

The Dimock 2015 Wastewater Improvements Project will have significant impact on the user rates for the community. With only 125 persons, the Town has a limited number of residential users. The project without any grant funds and loan money only would result in more than doubling the present user rate of \$25.00 per month to \$59.50 per month. This option has the Town contributing \$50,000 cash to the project and remaining \$479,850 in loan money.

E. ENVIRONMENTAL IMPACTS OF SELECTED PLAN

The selected project would have a significant positive environmental impact to the Town of Dimock by the fact it would replace the pond influent stream crossing pipe that is subject to freeze-up during the cold winter months. The line freezing has resulted in the unauthorized by-pass of wastewater to the South Fork of Twelve Mile Creek. The existing crossing system is nearly 50 years old and in a deteriorated condition. The project would replace the stream crossing with a precast concrete double tee beams and new insulated pipe. The double tee beams would provide the insulated pipe with additional protection from the weather and vandalism. Plus the double tee beam would provide the Owner with stream crossing access to the pond site during period of high stream flow in the South Fork of Twelve Mile Creek. The new stream crossing alone would provide significant positive environmental impact.

Secondly, the installation of an interior dike in the existing 6.0 acre bi-level pond would restore the pond to its intended functions. The pond designed for 600 persons is vastly over designed for the Town's present population of 125 persons. The present pond has a difficult time in maintaining a minimum of two foot of water depth in the lower primary treatment section of the pond. The pond's upper section has become a wetland basin. The interior dike would separate the pond's primary cell function from the wetland function. With a 2.5 acre primary cell, the primary cell could maintain a minimum of two foot water depth from the 125 person community. The restoring the wastewater pond intended functions would be a positive environmental impact.

Finally, the Phase II construction would install a geosynthetic pond liner for the primary cell portion of the wastewater treatment pond. This phase is proposed for 2016 after the interior dike has been installed the previous year. The pond liner would address the concern for an effective pond liner plus address the lack of riprap on the primary pond dike slopes. The pond liner would extend the life of the existing wastewater treatment pond an additional 40 to 50 years.

The proposed project's negative environmental impacts would consist of construction activities during the wastewater treatment pond interior dike installation, the primary cell pond liner installation, and the installation of the South development sanitary sewer extension lines. The pond interior dike construction would require a temporary stream crossing of Twelve Mile Creek as the Town's borrow excavation site in on the south side of the creek. The dike construction is proposed for Fall construction schedule when there is zero to minimal stream flow in Twelve Mile Creek. The temporary stream crossing would be removed after the completion of the interior dike construction. To minimize the impact to the environment, the Prime Contractor

will be required to comply with a storm water mitigation plan minimize the effect of storm water runoff from the construction area. Following the sanitary sewer extension construction activity, the Main Street surfacing disturbances would be restored to better than the pre-construction conditions.

F. ARRANGEMENT FOR IMPLEMENTATION

The Town of Dimock had Planning and Development District III complete the application to place this project on the South Dakota State Water Plan. The Planning and Development District III is assisting the Town of Dimock in obtaining the grant and loan funds necessary for the construction of the Dimock 2015 Wastewater Improvement Project. It is anticipated that the project funding acquisition will be completed by September 2015. The project survey fieldwork and the project design phase will be completed prior the project funding assurance has been achieved. It is anticipated that the project construction bid opening will be held no later than October, 2015. This will allow the project’s stream crossing construction be completed by December, 2015 in order correct the noted deficiency at the wastewater treatment pond prior to next winter. The remainder of the wastewater treatment pond construction requirements would be completed in 2016.

G. IMPLEMENTATION SCHEDULE

The following Dimock 2015 Wastewater Improvements Project implementation schedule is contingent upon the receipt of construction grant funds and expeditious review process:

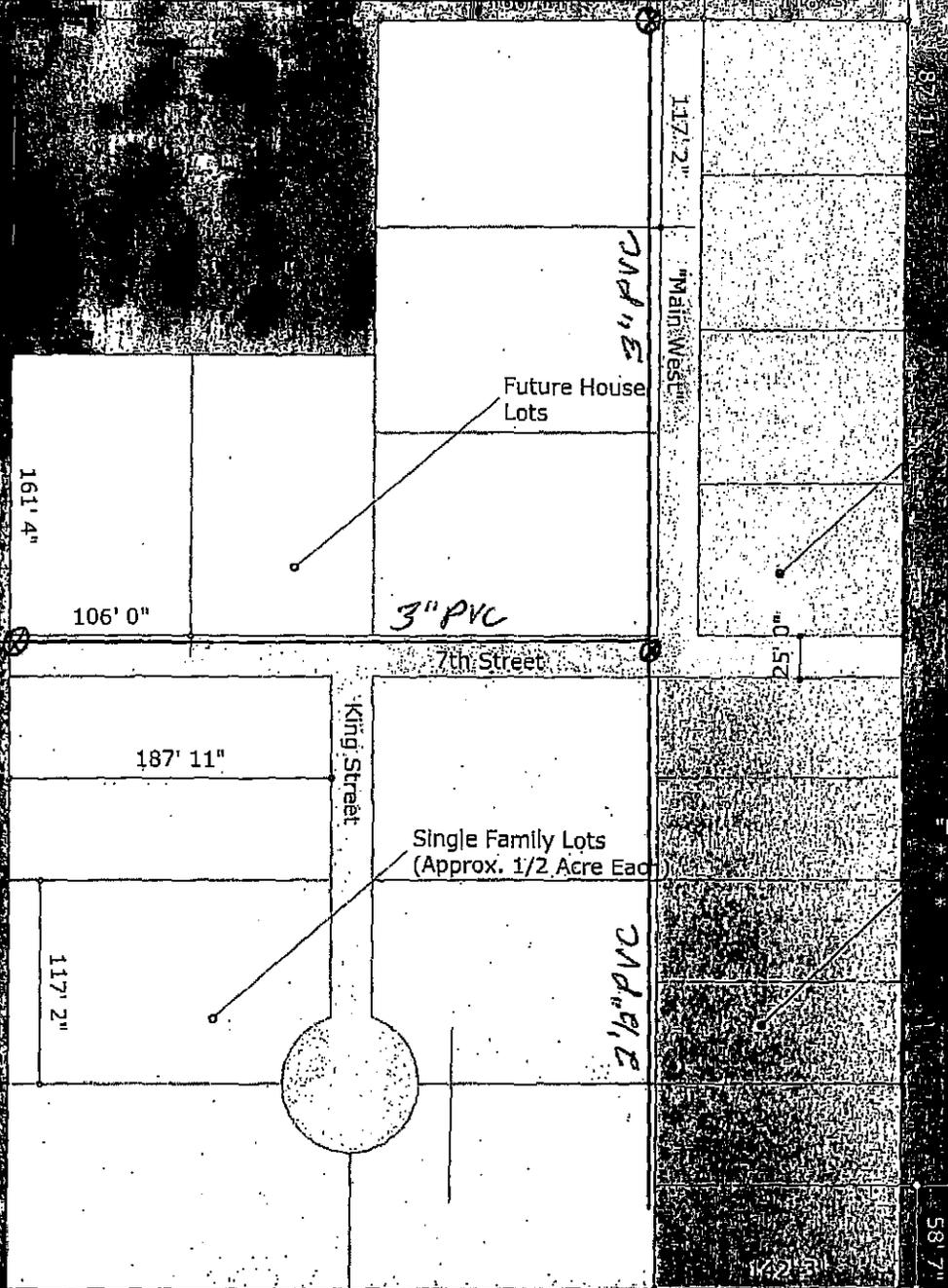
Project grant and loan funding	June, 2015
Complete Construction Documents/ Submit to DENR for Review	August, 2015
Open Construction Bids	October, 2015
Begin Phase I Construction	October, 2015
Complete Phase I Construction	December, 2015
Begin Phase II Construction	Summer, 2016
Complete Phase II Construction	Fall, 2016

VI. EVALUATION OF PRINCIPAL ALTERNATIVES AND PLAN ADOPTION- WATER

A. ALTERNATIVE EVALUATION

1) The No Action alternative is not a desirable option for the Town of Dimock water distribution system. The No Action alternative does not address the population loss experienced by the Town of Dimock. In the past decade, the Town population declined by 26 persons, which represented 17 per cent of its year 2000 population of 151 persons. The prior two decades the Town's population was relatively stable in the 150 to 160 persons range. The No Action alternative would result in the continued population decline for the Town. A shrinking population base increases the utilities costs for the remaining population. The Town of Dimock does not operate its own municipal water distribution system. The water distribution is provided by the B-Y Rural Water District located at Tabor, South Dakota. The District maintains the water piping system along with the water meters. The B-Y water distribution layout for the Town of Dimock is shown in Exhibit K. Each water users reads their meter monthly and submit the appropriate revenue to the District. Thus the Town of Dimock does not maintain a water department funding. The viable portion of the No Action alternative is that the B-Y Rural Water District would continue to be the water source and maintain the water distribution system within the Town of Dimock.

2) The second recommendation is water distribution system extension for the Dimock South Development Project, at the southern edge of Dimock west of Main Street and south of Sixth Street. See Exhibit L for South Development layout. The proposed development will have approximately 20 lots for primary residential low income homes. Several lots west of Main Street could develop for start-up businesses. The Town Board is taking as pro-active action to attract families to the community. The Town proposal is to utilize low income Governor Homes for the lots, keeping the prices within the range for first time mortgages. The lots may also attract retire farmers moving off the farms for the next generation to take over. The B-Y Rural Water District does not provide water lines for developments. The developer is responsible for installing their water distribution system. After the distribution system has been installed and tested, the B-Y Rural Water District then assume responsibility for the development water distribution piping. Before the Town of Dimock is proposing to have the water distribution lines installed for the South Development. B-Y Rural Water District will oversee the future water user water service line connection after the appropriate connections fees have paid.



The South Development water distribution extension would utilize the proposed street right of way plus back and side yard easements. The main water connection would be the existing 4" waterline on the western edge of the development. A proposed 3" PVC would install east on Seventh Street over to Main West Street and then north to Sixth Street. This would serve the northern portion of the proposed development. A proposed 2 ½" PVC water line would be installed using back yard easement south of the Main West and Seventh Street intersection. The 2 ½" line would service the lots between Main Street and King Street cul de sac. The lots west of the King Street cul de sac would be served by the existing 4" line on the western edge of the development. The proposed water project would not include street surfacing replacement as development streets are proposed, have not yet been constructed.

The project's opinion of probable construction costs is as listed in the following table.

**Dimock South Development Water Project
Opinion of Probable Costs**

1.	3" C900 PVC Watermain	L.F.	750	\$20/LF.	\$ 15,000
2.	2 1/2" C900 PVC Watermain	L.F.	300	\$18/LF.	\$ 5,400
3.	1" Water Service Line	L. F.	400	\$15/LF	\$ 6,000
4.	1" Corporation Stops	Each	12	\$250/Each	\$ 3,000
5.	1" Curb Stops	Each	12	\$300/Each	\$ 3,600
6.	3" Gate Valve	Each	3	\$ 400/Each	\$ 1,200
7.	Cut-In Tees	Each	2	\$ 450/Each	\$900
8.	Watermain Granular Bedding	L.F.	1,050	\$3/LF	\$ 3,150
9.	Misc. Contingencies	10%			\$ 3,825
				Construction Total	\$ 42,075
1.	Design Engineering				\$ 2,500
2.	Construction Engineering & Staking				\$ 4,000
3.	Project Administration				\$ 1,000
				Services Sub-Total	\$ 7,500
				Project Total	\$ 49,575

B. EVALUATION OF MONETARY COSTS

Alternative #2 Dimock South Development Water Distribution

This alternative is the recommended for water distribution project serving the proposed Dimock South Development project. The Project alternative opinion of probable costs is as follows:

<u>Item (Includes 10% Contingencies)</u>	<u>Cost</u>
Water Distribution Improvements	\$ 42,075
Engineering	\$ 6,500
<u>Administration and Legal</u>	<u>\$ 1,000</u>
Total Project Cost	\$ 49,575

C. CAPITAL FINANCING PLAN

The Town of Dimock qualifies for the disadvantage State Revolving Fund rate of 3.25%. The report will assume that any loan amount will be financed through the Drinking Water SRF Program, as the Rural Development Water and Waste Loan interest rate is 4.125%.

The first possible financing package for the recommended Dimock South Development Water Project is as follows:

Proposed Funding Package

Consolidated Grant	\$ 0
Clean Water SRF Loan	\$ 49,575
CDBG Grant	\$ 0
<u>Local Cash</u>	<u>\$ 0</u>
Total Project Cost	\$ 49,575

Based on a \$ 49,575 loan amount at a 3.25% over thirty years, the loan annual payment would be approximately \$2,700 per year. The Dimock South Development Water Project loan payment will tentatively be made from the Town of Dimock General funds. The Town does not have a water department funding since the Town's water source and water lines maintenance are furnished by B-Y Rural Water District.

D. DESIGN OF SELECTED PLAN

The first step would be the Town of Dimock completing the application to be placed on the State Water Plan. The Town will then seek grant and loan funds for the project construction. The construction design plans and construction bid documents will be submitted for South Dakota Department of Environment and Natural Resources review by mid-summer. Ideally, the water distribution improvements would be completed in the Fall, 2015. The Town desires that the water distribution project be constructed in conjunction with the sanitary sewer extension for the South Development project.

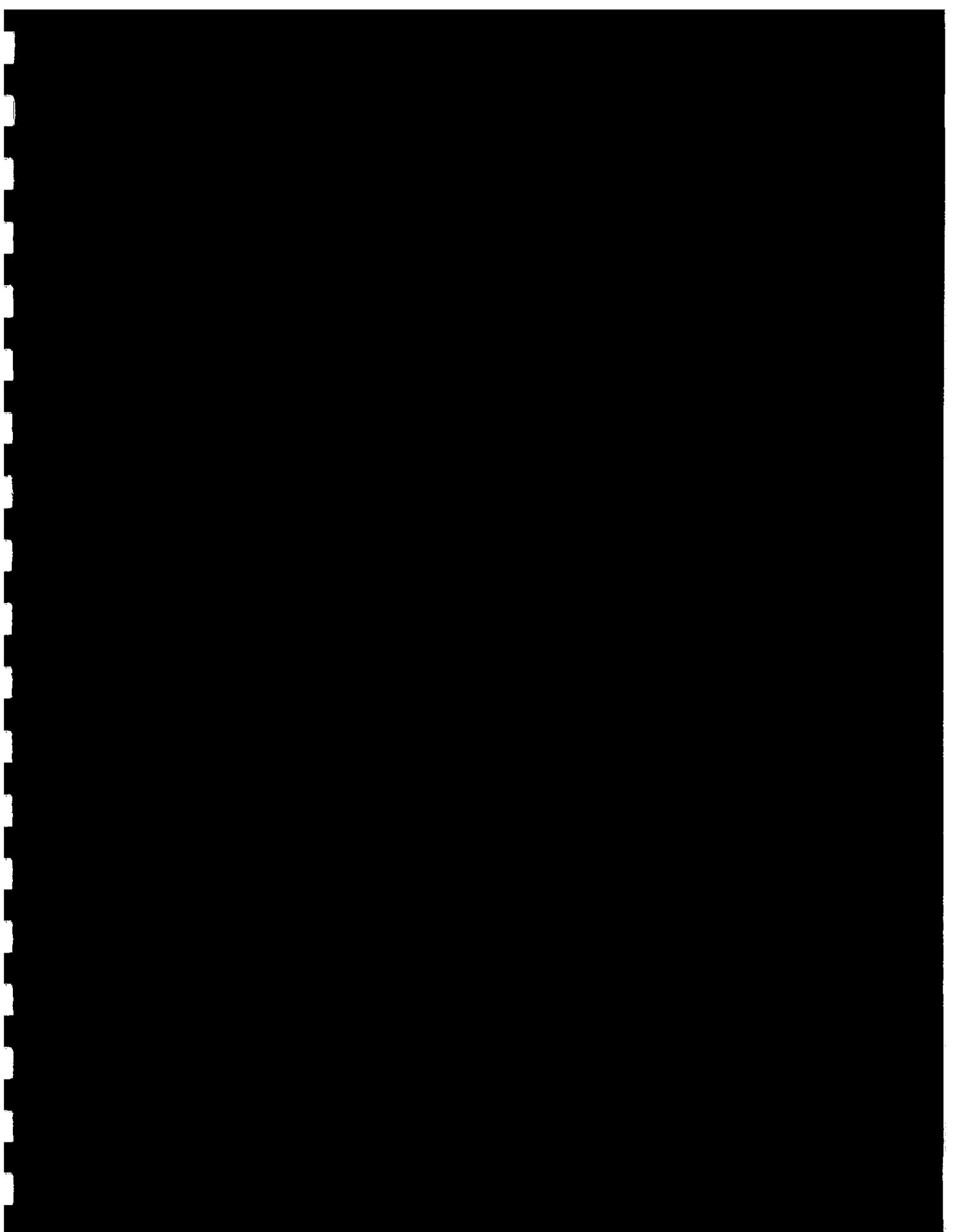
E. ARRANGEMENT FOR IMPLEMENTATION

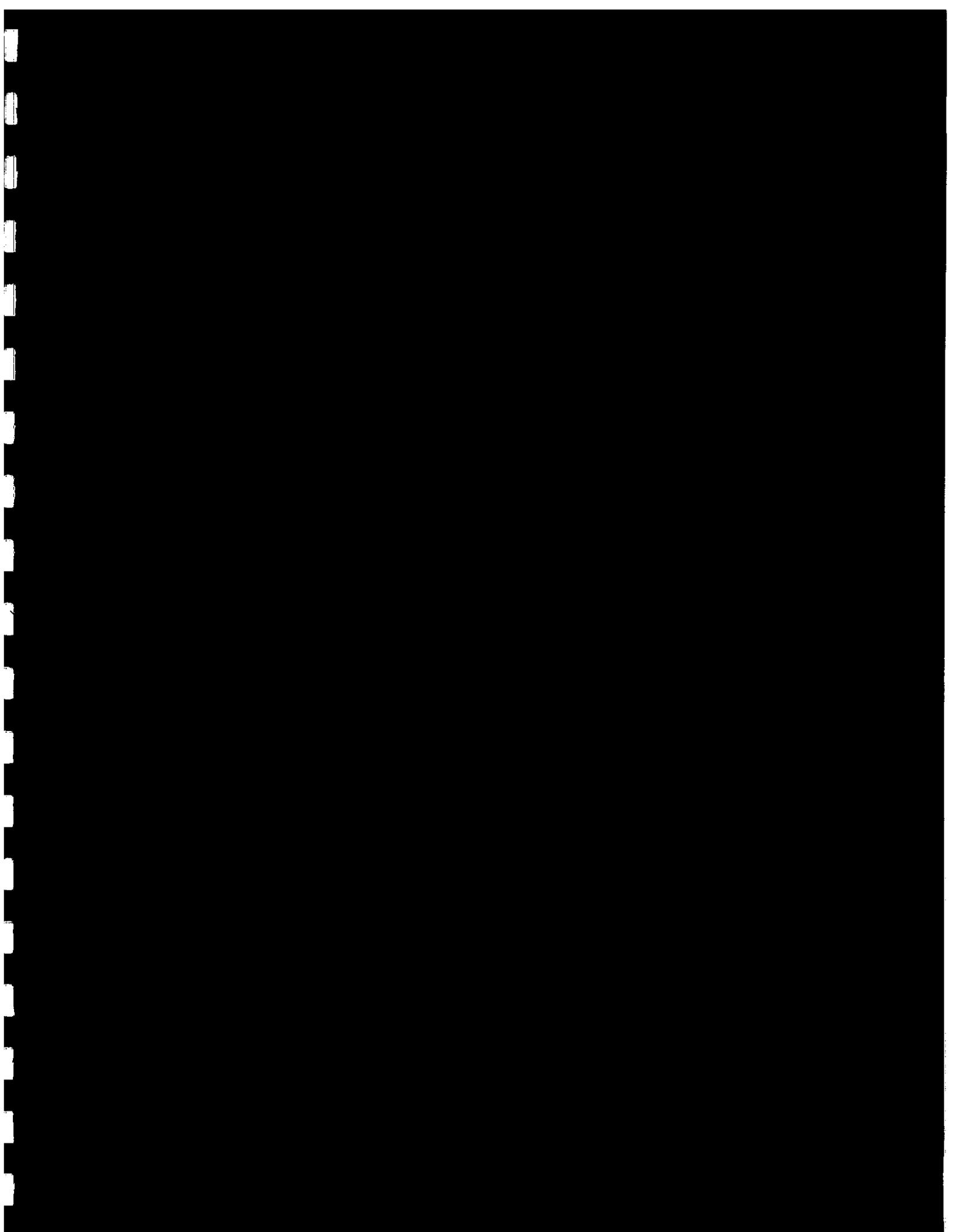
The Town of Dimock has Planning and Development District III complete the application to place this project on the South Dakota State Water Plan. The Planning and Development District III is assisting the Town of Dimock in obtaining the grant and loan funds necessary for the construction of the Dimock South Development Water Project. It is anticipated that the project funding acquisition will be completed by September 2015. The project survey fieldwork and the project design phase will be completed prior the project funding assurance has been achieved. It is anticipated that the project construction bid opening will be held no later than September, 2015. This will allow the project construction be completed by December, 2015.

F. IMPLEMENTATION SCHEDULE

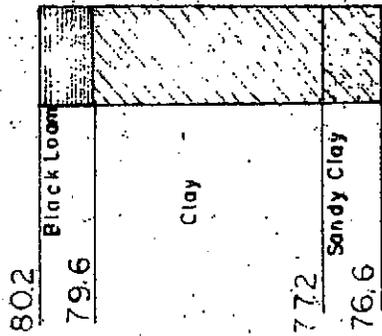
The following Dimock South Development Water Project implementation schedule is contingent upon the receipt of construction grant funds and expeditious review process:

Project grant and loan funding	June, 2015
Complete Construction Documents/ Submit to DENR for Review	August, 2015
Open Construction Bids	September 2015
Begin Construction	October, 2015
Complete Construction	December, 2015

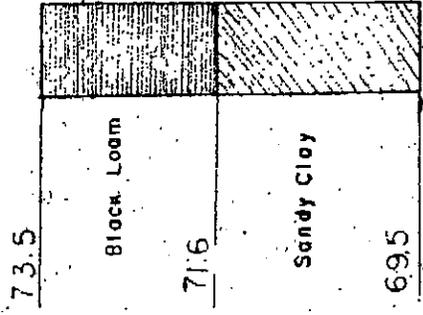




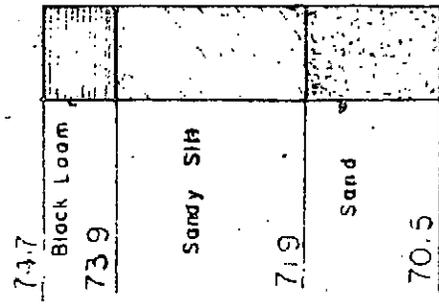
SOIL TEST LOG



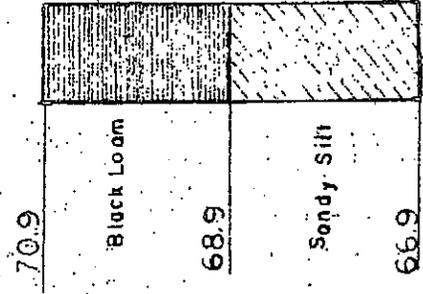
T.H.1



T.H.2



T.H.3



T.H.4

Based on an allowable 0" per day percolation with an impermeable membrane liner, the primary cell effective depth is 3 feet plus 150 days x 0" per day = 3 feet + 0 feet = 3.0 feet. The primary pond required area = 350,100 CF divided by 3.0 feet = 117,000 SF or 2.68 acres. This is the approximate area of the lower section of the existing bi-level pond. This would be a recommended solution to the Town of Dimock oversized wastewater treatment pond. The project's opinion of probable construction costs is as listed in the following table.

Dimock Wastewater Pond Improvement Project Opinion of Probable Costs

Wastewater Treatment Pond Improvements

NO.	ITEM	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL ESTI- MATED PRICE
1.	Interior 8' Dike Construction	C.Y.	3,100	\$14/CY	\$43,400
2.	8" DIP Inlet Line	L.F.	250	\$48/LF	\$12,000
3.	6" DIP Transfer Line	L.F.	75	\$40/LF	\$3,000
4.	6" Control Valves	Each	1	\$900/Each	\$900
5.	Concrete Manholes	Each	3	\$3,800/Ea	\$11,400
6.	Concrete Control Structures	Each	4	\$1,700/Ea	\$6,800
7.	Concrete Depth Indicators	Each	2	\$1,100	\$2,200
8.	Existing Trestle Demolition	Lump Sum	1	\$1,500/LS	\$1,500
9.	Concrete Trestle Installation	Lump Sum	1	\$38,000/LS	\$38,000
10.	8" Insulated Piping	L.F.	120	\$150/LF	\$18,000
11.	Walkway Hand Railing and Fencing	Lump Sum	1	\$5,000/LS	\$5,000
12.	Primary Sludge Removal	L. S.	1	\$23,000/LS	\$23,000
13.	Geosynthetics Pond Liner	S.Y.	14,500	\$9/SY	\$130,500
14.	Grass Seeding	Acres	4	\$1000/Acre	\$4,000
15.	Contingencies 10%				\$30,000
Construction Sub-Total					\$329,700
1.	Preliminary Engineering, Sewer Line Cleaning and Televising				\$20,000
2.	Design Engineering				\$14,500
3.	Construction Engineering				\$26,700
4.	Project Administration				\$4,000
Services Sub-Total					\$65,200
Project Total					\$394,900

Cost Opinion does not include riprap for the smaller primary cell as the Geosynthetics Membrane liner deletes the requirement for the dikes slopes riprap.

RECEIVED
JUL 30 2013
Division of Financial
& Technical Assistance

3) The final recommendation is sanitary sewer collection extension for the Dimock South Development Project, at the southern edge of Dimock west of Main Street and south of Sixth Street. See Exhibit J for South Development layout. The proposed development will have approximately 20 lots for primary residential low income homes. Several lots west of Main Street could develop for start-up businesses. The Town Board is taking as pro-active action to attract families to the community. The Town proposal is to utilize low income Governor Homes for the lots, keeping the prices within the range for first time mortgages. The lots may also attract retire farmers moving off the farms for the next generation to take over. The King Street sanitary sewer extension would utilize back and side yard easements for the first segment. The second segment would be for King Street cul-de-sac. The King Street extension would not include any street surfacing replacement costs, as no existing street surfacing exists.

The east half of the proposed development would be served by the Main Street sanitary sewer extension. Main Street serves as a truck route to the Dimock Main Street business district, thus it has an asphalt surfacing mat. The proposed sanitary sewer extension project does include the replacement of the asphalt surfacing for Main Street from south of Sixth Street to 270th Street. The Main Street sanitary sewer extension would provide the opportunity of business start up for the east side of Main Street south of Neugebauer Trucking. The two sanitary sewer extensions are an essential component for the Dimock's south development project.

The project's opinion of probable construction costs is as listed in the following table.

Dimock South Development Sewer Project Opinion of Probable Costs

Sanitary Sewer Improvement

No.	Item	Quantity	Unit Price	Cost
1.	8" PVC Sanitary Sewer	1,400 LF	\$ 26.00/LF	\$36,400
2.	48" RCP Manholes	5 Each	\$ 3,000/Each	\$15,000
3.	4" PVC Service Line	400 LF	\$ 20.00/LF	\$ 8,000
4.	8" x 4" Sewer Wye	12 Each	\$ 250/Each	\$ 3,000
5.	4" Service Connection	12 Each	\$ 250/Each	\$ 3,000
6.	Sewer Main Connections	2 Each	\$ 500/Each	\$ 1,000
7.	Granular Rock Bedding	1,400 LF	\$ 4.00/LF	\$ 5,600
8.	Asphalt Surfacing Removal	2,000 SY	\$ 2/ SY	\$ 4,000
9.	Roadway Preparation	2,000 SY	\$2.50/SY	\$ 5,000
10.	Aggregate Base Course	1,250Tons	\$ 14.00/Ton	\$17,500
11.	Asphalt Concrete Surfacing	450 Tons	\$ 90.00/Ton	\$ 40,500
12.	Contingencies	10%		\$ 13,900
	Construction Sub-Total			\$ 152,900
	Design Engineering			\$ 6,500
	Construction Engineering			\$ 12,200
	Admin. & Legal			\$ 1,000
	Services Sub-Total			\$ 19,700
	Construction Total			\$ 172,600

B. EVALUATION OF MONETARY COSTS

Alternative #2 Wastewater Pond Improvement Project

This alternative is the recommended for wastewater treatment pond project correcting deficiencies at the existing wastewater treatment pond constructed in 1968. The Dimock Wastewater Pond Improvement Project alternative opinion of probable costs is as follows:

<u>Item (Includes 10% Contingencies)</u>	<u>Cost</u>
Wastewater Treatment Pond Improvements	\$ 329,700
Preliminary Engineering	\$20,000
Design/Construction Engineering	\$ 41,200
<u>Administration and Legal</u>	<u>\$ 4,000</u>
Total Project Cost	\$394,900

Alternative #3 South Development Sewer Project

This alternative is recommended for a proposed development sanitary sewer project. The Dimock South Development Sewer Project alternative opinion of probable costs is as follows:

<u>Item (Includes 10% Contingencies)</u>	<u>Cost</u>
Sanitary Sewer Improvements	\$ 152,900
Engineering	\$ 18,700
<u>Administration and Legal</u>	<u>\$ 1,000</u>
Total Project Cost	\$ 172,600

Total Project Cost **\$567,500**

The Report recommends that both alternative be submitted as a single improvement project for the Town of Dimock

C. DEMONSTRATION OF FINANCIAL CAPABILITY

The Town of Dimock Waste Water Department operates on a self-supporting fund. The Town of Dimock monthly wastewater rates is as follows: minimum charge of \$17.00 flat rate for residential and small business. The Dimock Dairy is charged \$60.00 per month and the Saint Peter and Paul Catholic Church is charged \$45.00 per month. In order to obtain financial assistance, the Town of Dimock is increasing the residential minimum charge to \$25.00 per month, the commercial accounts to \$30.00 per month, and the Dimock Dairy minimum charge to \$85.00 per month. The resolution increasing the fees was adapted at the March 16, 2015 board meeting and effective July 1, 2015. The Town of Dimock Water Department 2009 budget is as follows:

Sanitary Sewer Department Self Supporting Fund – 2009

Residential	60 x \$25.00	\$ 1,500
Dimock Dairy		\$ 85
Catholic Church		\$ 45
<u>Commercial Accounts</u>	<u>5 X \$30.00</u>	<u>\$ 150</u>
Monthly Income		\$ 1,780
Means of Financing		
Annual Fees		\$ 21,360

The Wastewater Account Balance as of February 1, 2015 was \$110,000.00.

The Wastewater Department does not have an existing loan payment requirement. The Town of Dimock does not have a formal annual budget for the wastewater treatment department.

D. CAPITAL FINANCING PLAN

The Town of Dimock qualifies for the disadvantage State Revolving Fund rate of 3.25%. The report will assume that any loan amount will be financed through the Clean Water SRF Program, as the Rural Development Water and Waste Loan interest rate is 4.125%.

The first possible financing package for the recommended Dimock 2015 Wastewater Improvements Project is as follows:

Proposed Funding Package

Consolidated Grant	\$367,500
Clean Water SRF Loan	\$150,000
CDBG Grant	\$ 0
<u>Local Cash</u>	<u>\$ 50,000</u>
Total Project Cost	\$ 567,500

This financing package assumes that the Town of Dimock will be the recipient of favorable grant awards for the project. Based on a \$ 150,000 loan amount at a 3.25% over thirty years, the loan annual payment would be approximately \$8,300 per year. The Dimock 2015 Wastewater Project loan payment will be made through increased wastewater user rates as the wastewater department annual surplus is insignificant for a loan repayment. The project financial arrangements will require additional adjustments to the Town's wastewater user rate schedule. The financing package would require the Town of Dimock to increase the average monthly wastewater billing by approximately \$11.50 per month. The required residential billing would be \$36.50/month.

The second possible financing package for the recommended Dimock 2015 Wastewater Improvements Project is as follows:

Proposed Funding Package

Consolidated Grant	\$ 0
Clean Water SRF Loan	\$517,500
CDBG Grant	\$ 0
<u>Local Cash</u>	<u>\$ 50,000</u>
Total Project Cost	\$ 567,500

This financing package assumes that the Town of Dimock will not be the recipient of favorable grant awards for the project. Based on a \$ 517,500 loan amount at a 3.25% over thirty years, the loan annual payment would be approximately \$27,300 per year. The Dimock 2015 Wastewater Project loan payment will be made through increased wastewater user rates as the wastewater department annual surplus is insignificant for a loan repayment. The project

financial arrangements will require additional adjustments to the Town's wastewater user rate schedule. The financing package would require the Town of Dimock to increase the average monthly wastewater billing by approximately \$38.00 per month. The required residential billing would be \$63.00/month.

E. ENVIRONMENTAL EVALUATION

The Dimock 2015 Wastewater Improvements Project alternative would have a positive environmental impact to the Town of Dimock by the fact it would replace the aging wastewater treatment pond stream crossing influent line that is subject to freezing during the winter months. The freeze-up of this line has resulted in the unauthorized by-pass of wastewater to the South Fork of Twelve Mile Creek. The laminated wooden support beam has twisted, causing a sag in the stream crossing pipe. The sag is subject to freeze-up during extremely cold weather. This year the Town of Dimock had Bender Sewer of Mitchell to remove the ice plug and restore wastewater flow in the influent line. Secondly, the installation of an interior dike in the existing 6.0 acre wastewater treatment pond would restore the primary cell function of the pond. The existing has a design population of 600 persons, vastly oversized for the Town's present population of 125 persons. Presently, the bi-level pond has difficulty in maintaining two feet of water in the lower section of the pond. The upper section of the pond has essentially developed into a wetland. The interior dike would separate the lower primary treatment section from the wetland section of the pond. The project also includes installing a geosynthetic membrane liner for the new primary cell. The existing cell bottom liner is nearly 50 years old and in uncertain condition. The geosynthetic liner would provide new life to the existing wastewater treatment facility. Pond wastewater would be transferred into the wetland section as necessary to maintain the recommended water level in the primary cell. Finally, the sanitary sewer collection lines extension for the Dimock South Development project would provide the Town with additional residential users. As with many Towns in South Dakota, Dimock is trying to retain its population base. As stable population base is required for the Town has the stable revenues for maintaining the wastewater improvement budget. A declining population places larger economic requirements on the remaining residents. Thus the Town of Dimock is pro-active in attracting new families to the community. The Dimock 2016 Wastewater Improvements Project would provide substantial positive environmental impact for the Town of Dimock.

F. COMPARISON OF ALTERNATIVES

The No Action alternative is not recommended. The No Action alternative would result in the eventual failure of the wastewater pond influent stream crossing pipe segments. The No Action alternative retains the existing stream crossing line installed approximately 50 years ago. The influent will eventually fail due to continued winter freeze-up of the line during the cold winter months. Without any planned improvements, the stream crossing line failure would result from the continued twisting of the wood laminated support beam supporting the cables holding the insulated carrier pipe. The present set-up has already resulted in the unauthorized by-pass of wastewater to the South Fork of Twelve Mile Creek. Plus the oversized wastewater treatment pond will see further deterioration as the bi-level pond has difficulty in maintaining more than 2 feet of water in the pond lower section. Above 2 foot depth, the wastewater would spread out into the upper wetland vegetation area. An interior dike installation is required to maintain the wastewater in the primary cell section of the pond.

The Study's recommendation is the implementation of the Dimock's 2016 Wastewater Improvement project. Now is the time to correct the noted deficiencies at the existing wastewater treatment pond before the next winter season. The noted deficiencies can be corrected with the replacement of the stream crossing influent pipe segment and the installation of an interior dike in the bi-level pond separating the lower pond section from the upper pond section. These improvements can be readily completed by a general contractor. Also included in the recommendation is the sanitary sewer collection system extension to serve the proposed Dimock South Development site. The Town requires being pro-active in order to retain its population base.

G. VIEW OF THE PUBLIC AND CONCERNED INTEREST GROUPS

The Town of Dimock has held a public hearing regarding the Dimock 2016 Wastewater Improvements Project. The meeting minutes will be taken and submitted for inclusion with the Study. The meeting minutes will be located in Appendix C. The citizens of Dimock know that the Town's wastewater treatment pond is in need of repair and improvements. The cost for correcting the deficiencies would be costly. Postponing the correction of the deficiencies would be even costlier.

V. SELECTED PLAN, DESCRIPTION AND IMPLEMENTATION ARRANGEMENTS

A. JUSTIFICATION AND DESCRIPTION OF SELECTED PLAN

In order for the smaller cities to maintain their economic vitality, the Town must be progressive in maintaining a stable wastewater collection and treatment. The smaller cities progressive in maintaining an attractive community had a better chance in maintaining their population base. The wastewater treatment system is one of the critical elements of a community infrastructure system. Presently, the Town's wastewater treatment pond was constructed in 1968 for a design population of 600 persons. The treatment facility is over designed for the Town's present population of 125 persons. The bi-level pond has difficulty in maintaining two foot of water in just the lower level of the pond. Plus the stream crossing pipe segment at the pond site is in a deteriorated condition subject to freeze up during the cold winter months. The freeze up of the line has resulted in unauthorized by-pass of wastewater to the South Fork on Twelve Mile Creek. The Study's recommendations are for the complete replacement of the stream crossing pipe segment at the pond site plus the installation of an interior dike to separate the existing pond lower primary treatment section from the upper present wetland section of the pond. The low water level has resulted in the pond's upper section to be filled with wetland vegetation. The interior dike installation would create a formal primary treatment cell for the pond. These improvements will bring the treatment pond in compliance with the pond treatment requirements. Finally, a new geosynthetic membrane liner would be installed for the primary cell portion of the improved wastewater treatment pond.

The second phase of the wastewater improvement project is the extension of the Town's wastewater collection system to service a Dimock South Development area. The Town is pro-active in attracting new families and start-up businesses to the community. The development site is west of Main Street and between Sixth Street on the north and 270th Street on the south. The proposed development requires the extension of the Main Street and King Street sanitary sewer collection lines. Main Street is a truck route for the Dimock business district, thus this two block extension would require the replacement of the existing asphalt surfacing mat. The proposed development does not have any existing roadway, thus the King Street extension would not require any street surfacing replacement. The Town Board desire is to provide starter homes for young families and retirement home sites for retiring farmers turning over their operation to the younger generation. Without being pro-active, the Town of Dimock would continue to experience a population decline until it's eventually loss of the population base.

B. DESIGN OF SELECTED PLAN

The first step had the Town of Dimock completing the application to be placed on the State Water Plan. The Town will then seek grant and loan funds for the project construction. The construction design plans and construction bid documents will be submitted for South Dakota Department of Environment and Natural Resources review by mid-summer. Ideally, the wastewater treatment pond improvements would be completed in the Summer, 2016. The existing stream crossing pipe segment will experience continued deterioration with time and like freeze-up again next winter. During the summer months, the South Fork of Twelve Mile Creek has minimal stream flow. This would allow the replacement of the stream crossing piping and the installation of a temporary stream crossing for the interior dike installation. The Town of Dimock has a borrow excavation site on the south side of Twelve Mile Creek. The Town would not need to obtain borrow excavation agreement with an adjacent landowner. Thus time is of essence for this construction schedule. The Town would also desire that the South Development sanitary sewer extension be constructed at the same time. This may save on mobilization costs if the same contractor performed both phases of the project. Presently, the low mortgage rates are ideal for the housing development to be initiated.

C. COST ESTIMATE OF SELECTED PLAN

The construction cost estimate for the Dimock 2016 Wastewater Improvements Project is located on pages 19 and 22 of this report.

D. USER RATE IMPACTS

The Dimock 2016 Wastewater Improvements Project will have significant impact on the user rates for the community. With only 125 persons, the Town has a limited number of residential users. The project without any grant funds and loan money only would result in more than doubling the present user rate of \$25.00 per month to \$63.00 per month. This option has the Town contributing \$50,000 cash to the project and remaining \$517,500 in loan money.

E. ENVIRONMENTAL IMPACTS OF SELECTED PLAN

The selected project would have a significant positive environmental impact to the Town of Dimock by the fact it would replace the pond influent stream crossing pipe that is subject to freeze-up during the cold winter months. The line freezing has resulted in the unauthorized by-pass of wastewater to the South Fork of Twelve Mile Creek. The existing crossing system is nearly 50 years old and in a deteriorated condition. The project would replace the stream crossing with a precast concrete double tee beams and new insulated pipe. The double tee beams would provide the insulated pipe with additional protection from the weather and vandalism. Plus the double tee beam would provide the Owner with stream crossing access to the pond site during period of high stream flow in the South Fork of Twelve Mile Creek. The new stream crossing alone would provide significant positive environmental impact.

Secondly, the installation of an interior dike in the existing 6.0 acre bi-level pond would restore the pond to its intended functions. The pond designed for 600 persons is vastly over designed for the Town's present population of 125 persons. The present pond has a difficult time in maintaining a minimum of two foot of water depth in the lower primary treatment section of the pond. The pond's upper section has become a wetland basin. The interior dike would separate the pond's primary cell function from the wetland function. With a 2.5 acre primary cell, the primary cell could maintain a minimum of two foot water depth from the 125 person community. The restoring the wastewater pond intended functions would be a positive environmental impact.

Finally, the wastewater treatment improvement construction would install a geosynthetic pond liner for the primary cell portion of the wastewater treatment pond. This phase is proposed after the interior dike has been installed. The pond liner would address the concern for an effective pond liner plus address the lack of riprap on the primary pond dike slopes. The pond liner would extend the life of the existing wastewater treatment pond an additional 40 to 50 years.

The proposed project's negative environmental impacts would consist of construction activities during the wastewater treatment pond interior dike installation, the primary cell pond liner installation, and the installation of the South development sanitary sewer extension lines. The pond interior dike construction would require a temporary stream crossing of Twelve Mile Creek as the Town's borrow excavation site in on the south side of the creek. The dike construction is proposed for summer construction schedule when there is minimal stream low in Twelve Mile Creek. The temporary stream crossing would be removed after the completion of the interior dike construction. To minimize the impact to the environment, the Prime Contractor will

be required to comply with a storm water mitigation plan minimize the effect of storm water runoff from the construction area. Following the sanitary sewer extension construction activity, the Main Street surfacing disturbances would be restored to better than the pre-construction conditions.

F. ARRANGEMENT FOR IMPLEMENTATION

The Town of Dimock had Planning and Development District III complete the application to place this project on the South Dakota State Water Plan. The Planning and Development District III is assisting the Town of Dimock in obtaining the grant and loan funds necessary for the construction of the Dimock 2016 Wastewater Improvement Project. It is anticipated that the project funding acquisition will be completed by September 2015. The project survey fieldwork and the project design phase will be completed once the project funding assurance has been achieved. It is anticipated that the project construction bid opening will be held no later than February, 2016. . The wastewater treatment pond construction requirements would be completed in September, 2016.

G. IMPLEMENTATION SCHEDULE

The following Dimock 2016 Wastewater Improvements Project implementation schedule is contingent upon the receipt of construction grant funds and expeditious review process:

Project grant and loan funding	September 2015
Complete Construction Documents/ Submit to DENR for Review	December, 2015
Open Construction Bids	February 2016
Begin Construction	May 2016
Complete Construction	September 2016

VI. EVALUATION OF PRINCIPAL ALTERNATIVES AND PLAN ADOPTION- WATER

A. ALTERNATIVE EVALUATION

1) The No Action alternative is not a desirable option for the Town of Dimock water distribution system. The No Action alternative does not address the population loss experienced by the Town of Dimock. In the past decade, the Town population declined by 26 persons, which represented 17 per cent of its year 2000 population of 151 persons. The prior two decades the Town's population was relatively stable in the 150 to 160 persons range. The No Action alternative would result in the continued population decline for the Town. A shrinking population base increases the utilities costs for the remaining population. The Town of Dimock does not operate its own municipal water distribution system. The water distribution is provided by the B-Y Rural Water District located at Tabor, South Dakota. The District maintains the water piping system along with the water meters. The B-Y water distribution layout for the Town of Dimock is shown in Exhibit K. Each water user reads their meter monthly and submit the appropriate revenue to the District. Thus the Town of Dimock does not maintain a water department funding. The viable portion of the No Action alternative is that the B-Y Rural Water District would continue to be the water source and maintain the water distribution system within the Town of Dimock.

2) The second recommendation is water distribution system extension for the Dimock South Development Project, at the southern edge of Dimock west of Main Street and south of Sixth Street. See Exhibit L for South Development layout. The proposed development will have approximately 20 lots for primary residential low income homes. Several lots west of Main Street could develop for start-up businesses. The Town Board is taking a pro-active action to attract families to the community. The Town proposal is to utilize low income Governor Homes for the lots, keeping the prices within the range for first time mortgages. The lots may also attract retire farmers moving off the farms for the next generation to take over. The B-Y Rural Water District does not provide water lines for developments. The developer is responsible for installing their water distribution system. After the distribution system has been installed and tested, the B-Y Rural Water District then assume responsibility for the development water distribution piping. Before the Town of Dimock is proposing to have the water distribution lines installed for the South Development. B-Y Rural Water District will oversee the future water user water service line connection after the appropriate connections fees have paid.

The South Development water distribution extension would utilize the proposed street right of way plus back and side yard easements. The main water connection would be the existing 4" waterline on the western edge of the development. A proposed 3" PVC would install east on Seventh Street over to Main West Street and then north to Sixth Street. This would serve the northern portion of the proposed development. A proposed 2 1/2" PVC water line would be installed using back yard easement south of the Main West and Seventh Street intersection. The 2 1/2" line would service the lots between Main Street and King Street cul de sac. The lots west of the King Street cul de sac would be served by the existing 4" line on the western edge of the development. The proposed water project would not include street surfacing replacement as development streets are proposed, have not yet been constructed.

The project's opinion of probable construction costs is as listed in the following table.

Dimock South Development Water Project Opinion of Probable Costs

1.	3" C900 PVC Watermain	L.F.	750	\$20/LF.	\$ 15,000
2.	2 1/2" C900 PVC Watermain	L.F.	300	\$18/LF.	\$ 5,400
3.	1" Water Service Line	L. F.	400	\$15/LF	\$ 6,000
4.	1" Corporation Stops	Each	12	\$250/Each	\$ 3,000
5.	1" Curb Stops	Each	12	\$300/Each	\$ 3,600
6.	3" Gate Valve	Each	3	\$ 400/Each	\$ 1,200
7.	Cut-In Tees	Each	2	\$ 450/Each	\$900
8.	Watermain Granular Bedding	L.F.	1,050	\$3/LF	\$ 3,150
9.	Misc. Contingencies	10%			\$ 3,825
Construction Total					\$ 42,075
1.	Design Engineering				\$ 2,500
2.	Construction Engineering & Staking				\$ 4,000
3.	Project Administration				\$ 1,000
Services Sub-Total					\$ 7,500
Project Total					\$ 49,575

B. EVALUATION OF MONETARY COSTS

Alternative #2 Dimock South Development Water Distribution

This alternative is the recommended for water distribution project serving the proposed Dimock South Development project. The Project alternative opinion of probable costs is as follows:

<u>Item (Includes 10% Contingencies)</u>	<u>Cost</u>
Water Distribution Improvements	\$ 42,075
Engineering	\$ 6,500
<u>Administration and Legal</u>	<u>\$ 1,000</u>
Total Project Cost	\$ 49,575

C. CAPITAL FINANCING PLAN

The Town of Dimock qualifies for the disadvantage State Revolving Fund rate of 3.25%. The report will assume that any loan amount will be financed through the Drinking Water SRF Program, as the Rural Development Water and Waste Loan interest rate is 4.125%.

The first possible financing package for the recommended Dimock South Development Water Project is as follows:

Proposed Funding Package

Consolidated Grant	\$ 0
Clean Water SRF Loan	\$ 49,575
CDBG Grant	\$ 0
<u>Local Cash</u>	<u>\$ 0</u>
Total Project Cost	\$ 49,575

Based on a \$ 49,575 loan amount at a 3.25% over thirty years, the loan annual payment would be approximately \$2,700 per year. The Dimock South Development Water Project loan payment will tentatively be made from the Town of Dimock General funds. The Town does not have a water department funding since the Town's water source and water lines maintenance are furnished by B-Y Rural Water District.

D. DESIGN OF SELECTED PLAN

The first step would be the Town of Dimock completing the application to be placed on the State Water Plan. The Town will then seek grant and loan funds for the project construction. The construction design plans and construction bid documents will be submitted for South Dakota Department of Environment and Natural Resources review by March, 2016. Ideally, the water distribution improvements would be completed in the Summer 2016. The Town desires that the water distribution project be constructed in conjunction with the sanitary sewer extension for the South Development project.

E. ARRANGEMENT FOR IMPLEMENTATION

The Town of Dimock had Planning and Development District III completed the application to place this project on the South Dakota State Water Plan. The Planning and Development District III is assisting the Town of Dimock in obtaining the grant and loan funds necessary for the construction of the Dimock South Development Water Project. It is anticipated that the project funding acquisition will be completed by January, 2016. The project survey fieldwork and the project design phase will be completed once the project funding assurance has been achieved. It is anticipated that the project construction bid opening will be held no later than March, 2016. This will allow the project construction be completed by August, 2016.

F. IMPLEMENTATION SCHEDULE

The following Dimock South Development Water Project implementation schedule is contingent upon the receipt of construction grant funds and expeditious review process:

Project grant and loan funding	January 2016
Complete Construction Documents/ Submit to DENR for Review	March 2016
Open Construction Bids	April 2016
Begin Construction	May 2016
Complete Construction	August, 2016

**SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES**

**General Surface Water Discharge Permit
For Minor Non-Discharging Domestic Wastewater Treatment Facilities**

In compliance with the provisions of the South Dakota Water Pollution Control Act and the Administrative Rules of South Dakota (ARSD), Article 74:52,

Town of Dimock

is directed by the South Dakota Department of Environment and Natural Resources to have **no discharge** from its facility located in the South 1/2 of Section 7, Township 100 North, Range 60 West (Latitude 43.488975°, Longitude -97.986490°), in accordance with the requirements as contained in the provisions of this General Permit. The permittee shall comply with all conditions of this General Permit. Any permit noncompliance constitutes a violation of the South Dakota Water Pollution Control Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

This general permit shall become effective October 1, 2011.

General permit coverage for the Town of Dimock shall become effective October 1, 2011.

This general permit shall expire at midnight, September 30, 2016.

Signed this 24th day of August, 2011,



Authorized Permitting Official

Steven M. Pirner
Secretary
Department of Environment and Natural Resources

TABLE OF CONTENTS

COVER SHEET – Issuance and Expiration Dates

1.0	DEFINITIONS	4
2.0	PERMIT COVERAGE	7
2.1	REQUEST FOR COVERAGE UNDER GENERAL PERMIT	7
2.2	PERMIT TRANSFERS	7
2.3	REOPENER PROVISIONS	8
2.4	DUTY TO REAPPLY	8
2.5	CONTINUATION OF THE EXPIRED GENERAL PERMIT	9
2.6	REQUIRING AN INDIVIDUAL PERMIT	9
2.7	PROPERTY RIGHTS	9
2.8	PERMIT ACTIONS	10
2.9	SEVERABILITY	10
3.0	EFFLUENT LIMITS.....	11
3.1	EMERGENCY DISCHARGES.....	11
3.2	PROPER OPERATION AND MAINTENANCE	11
3.3	INSPECTION REQUIREMENTS.....	12
3.4	CAPACITY, MANAGEMENT, OPERATION, AND MAINTENANCE PROGRAM.....	13
4.0	MONITORING, RECORD KEEPING, & REPORTING REQUIREMENTS.....	14
4.1	SELF-MONITORING REQUIREMENTS	14
4.2	MONITORING PROCEDURES	15
4.3	ADDITIONAL MONITORING BY THE PERMITTEE	15
4.4	REPORTING OF MONITORING RESULTS	15
4.5	DISCHARGE REPORTING REQUIREMENTS.....	15
4.6	BYPASS REPORTING.....	17
4.7	RECORDS CONTENTS	17
4.8	SIGNATORY REQUIREMENTS.....	17
4.9	RETENTION OF RECORDS	18
4.10	AVAILABILITY OF REPORTS	19
4.11	DUTY TO PROVIDE INFORMATION.....	19
4.12	PLANNED CHANGES.....	19
5.0	COMPLIANCE REQUIREMENTS.....	20
5.1	DUTY TO COMPLY	20
5.2	DUTY TO MITIGATE	20
5.3	NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE	20
5.4	UPSET CONDITIONS	20
5.5	PENALTIES FOR VIOLATIONS OF PERMIT CONDITIONS	21
5.6	PENALTIES FOR TAMPERING	21
5.7	PENALTIES FOR FALSIFICATION	21
5.8	OIL AND HAZARDOUS SUBSTANCE LIABILITY	21

6.0 INDUSTRIAL WASTES (FOR PUBLICLY OWNED TREATMENT WORKS ONLY)..... 22

6.1 INDUSTRIAL USERS..... 22

6.2 PROHIBITED DISCHARGES..... 22

7.0 ADDITIONAL PERMIT CONDITIONS..... 24

7.1 INSPECTION AND ENTRY 24

7.2 REMOVED SUBSTANCES..... 24

APPENDICES

- A Notice Of Intent For Coverage Under The General Surface Water Discharge Permits For Minor Publicly-Owned Treatment Works
- B Discharge Monitoring Summary Form

1.0 DEFINITIONS

“**ARSD**” means the Administrative Rules of South Dakota.

“**BOD₅**” means Five-Day Biochemical Oxygen Demand. BOD is a measurement of the amount of oxygen utilized by the decomposition of organic material, over a specified time period (usually 5 days) in a sample.

A “**Bypass**” is the intentional diversion of waste streams from any portion of a treatment facility. Bypasses do not include releases from the sanitary sewer collection system (see “**Sanitary Sewer Overflow**) or emergency releases from the treatment facility (see “**Emergency Discharge**”).

“**Composite Samples**” shall be flow proportioned. The composite sample shall contain at least four samples collected over the compositing period. Unless otherwise specified, the time between the collection of the first sample and the last sample shall not be less than six hours nor more than 24 hours. Acceptable methods for preparation of composite samples are as follows:

1. Constant time interval between samples, sample volume proportional to flow rate at time of sampling;
2. Constant time interval between samples, sample volume proportional to total flow (volume) since last sample. For the first sample, the flow rate at the time the sample was collected may be used;
3. Constant sample volume, time interval between samples proportional to flow (i.e., sample taken every "X" gallons of flow); and,
4. Continuous collection of sample, with sample collection rate proportional to flow rate.

“**Daily Maximum (Daily Max.)**” is the maximum value allowable in any single sample or instantaneous measurement.

An “**Emergency Discharge**” is a discharge from the lower end of the treatment or containment system through a release structure or over or through retention dikes. An emergency discharge is distinguished from a sanitary sewer overflow in that a sanitary sewer overflow discharges wastewater prior to reaching the treatment or containment system.

“**EPA**” or “**US EPA**” means the United States Environmental Protection Agency.

A “**Grab Sample**,” for monitoring requirements, is a single “dip and take” sample collected at a representative point in the discharge stream.

An “**Industrial User**” is a non-domestic source of pollutants discharged into a publicly owned treatment works.

An “**Instantaneous Measurement**,” for monitoring requirements, is a single reading, observation, or measurement.

“pH” is the measure of the hydrogen ion concentration of water or wastewater; expressed as the negative log of the hydrogen ion concentration. A pH of 7 is neutral. A pH less than 7 is acidic, and a pH greater than 7 is basic.

A **“Publicly-Owned Treatment Works”** or **“POTW”** is any device or system used in the treatment, including recycling and reclamation, of municipal sewage or industrial waste of a liquid nature that is owned by the state or a municipality. This term includes sewers, pipes, or other conveyances only if they convey wastewater to a publicly owned treatment works providing treatment.

A **“Sanitary Sewer Overflow”** or **“SSO”** is the intentional or unintentional discharge of untreated sewage from the sanitary sewer collection system, including sewer lines, manholes, lifts stations, etc.

“SDDENR” means the South Dakota Department of Environment and Natural Resources.

“Secretary” means the Secretary of the South Dakota Department of Environment and Natural Resources, or authorized representative.

“Severe Property Damage” is substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

“Sewage Sludge” is any solid, semi-solid, or liquid residue removed during the treatment of municipal wastewater or domestic sewage. Sewage sludge includes but is not limited to solids removed during primary, secondary or advanced wastewater treatment, scum, septage, portable toilet pumpings, and sewage sludge products. Sewage sludge does not include grit, screenings, or ash generated during the incineration of sewage sludge.

A **“Significant Industrial User”** is defined as an industrial user discharging to a publicly-owned treatment works (POTW) that satisfies any of the following:

1. Is subject to Categorical Pretreatment Standards under ARSD Chapter 74:52:10 (a.b.r. 40 CFR 403.6 and 40 CFR chapter I, subchapter N);
2. Discharge an average of 25,000 gallons per day or more of process wastewater to the publicly owned treatment works (excluding sanitary, non-contact cooling water, and boiler blowdown wastewater);
3. Contributes a process wastewater that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the publicly owned treatment works; or,
4. Is designated as such by the Secretary on the basis that the Industrial User has a reasonable potential for adversely affecting the publicly owned treatment works or for violating any pretreatment standard or requirement.

“TSS” means Total Suspended Solids. TSS is a measure of the filterable solids present in a sample.

“Upset” means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limits because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

2.0 PERMIT COVERAGE

2.1 Request for Coverage under General Permit

1. This general permit is potentially applicable to any minor, non-discharging wastewater treatment facilities within South Dakota that are treating primarily domestic wastewater. In order for a facility to be eligible for coverage under this general permit, the owner, operator, and/or authorized agent of any facility wishing to obtain coverage under this general permit must complete and submit a Notice of Intent form, located in **Appendix A** of this general permit. Applications for individual Surface Water Discharge permits may also serve as a Notice of Intent form and be accepted by the Secretary, provided they contain the information and signatures required to properly grant or deny general permit coverage. The original form must be sent to the following address:

South Dakota Department of Environment and Natural Resources
Surface Water Quality Program
PMB 2020
523 East Capitol
Pierre, South Dakota 57501-3182

Telephone: (605) 773-3351 or 1-800-GET-DENR (1-800-438-3367)

2. Coverage provided under this general permit is limited to those activities specifically designated in the permittee's Notice of Intent and as approved in the letter from the Secretary granting general permit coverage. Knowingly discharging from an unauthorized location or failing to report an unauthorized discharge within a reasonable time from the permittee first learning of an unauthorized discharge could subject the permittee to penalties as provided under the South Dakota Water Pollution Control Act.

2.2 Permit Transfers

1. Coverage under this general permit may be transferred to a new permittee if:
 - a. The current permittee notifies the Secretary at least 30 days in advance of the proposed transfer date;
 - b. The notice includes a written agreement between the current and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
 - c. The new permittee submits as Certification of Applicant form certifying the new permittee is qualified to perform the obligations of a permit holder in accordance with South Dakota Codified Law 1-40-27.
2. The Secretary will notify the existing and new permittee of his or her intent to transfer, modify, or revoke and reissue the coverage under the general permit based on the information received and other permit information.

2.3 Reopener Provisions

This general permit may be reopened and modified (following proper administrative procedures) to include appropriate effluent limits (and compliance schedules, if necessary), or other appropriate requirements if one or more of the following events occurs:

1. **Water Quality Standards:** The water quality standards of the receiving waters applicable to this general permit or a specific permittee are modified in such a manner as to require different conditions than contained in this general permit;
2. **Water Quality Management Plan:** A revision to the current water quality management plan is approved and adopted that calls for different conditions than contained in this general permit;
3. **Effluent Guidelines:** Effluent limit guidelines are promulgated or revised for point sources covered by this general permit;
4. **Total Maximum Daily Load:** Additional controls in the permit are necessary to implement a total maximum daily load approved by the Secretary and/or EPA;
5. **Noncompliance:** The discharger is a significant contributor of pollution to waters of the state, presents a health hazard, or is in noncompliance with the conditions of the permit;
6. **Pretreatment Program:** The permittee is required to develop and implement a pretreatment program, regulating indirect discharges of wastewater into its publicly owned treatment works; or
7. **Other Changes:** Other conditions or standards change so that the permittee no longer qualifies for this permit, such as the permittee being designated as a major discharger, changes in necessary influent or effluent pollutant monitoring, additional industrial pretreatment requirements become applicable to the permittee, or other items.

2.4 Duty to Reapply

If the permittee wishes to continue an activity regulated by this general permit after its expiration date, the permittee must apply for and obtain coverage under a new general permit. The Notice of Intent must be submitted at least 180 days before the expiration date of this general permit. If the permittee wishes to apply for an individual permit, the application must also be submitted at least 180 days before the expiration date of this general permit. Periodically during the term of this general permit and at the time of reissuance, the permittee may be requested to reaffirm its eligibility for coverage under this general permit.

2.5 Continuation of the Expired General Permit

1. An expired general permit continues in full force and effect until a new general permit is issued. Any permittee with coverage under the general permit at the time of expiration will continue to have coverage until a new general permit is issued.
2. If the permittee wishes to continue an activity regulated by this general permit after its expiration date, the permittee must submit a Notice of Intent at least 180 days before the expiration date of the general permit.

2.6 Requiring an Individual Permit

1. The Secretary may require any permittee covered under this general permit to apply for and obtain an individual permit if any of the following occur:
 - a. Noncompliance: The discharger is a significant contributor of pollution to waters of the state, presents a health hazard, or is in noncompliance with the conditions of the general permit;
 - b. Compliance Schedule: The Secretary determines a compliance schedule is necessary to ensure compliance with the federal Clean Water Act, the Administrative Rules of South Dakota, or the South Dakota Surface Water Quality Standards; or
 - c. Other Changes: Other conditions or standards change so that the permittee no longer qualifies for this general permit, such as the permittee being designated as a major discharger, changes in necessary influent or effluent pollutant monitoring, additional industrial pretreatment requirements become applicable to the permittee, or other items that would necessitate an individual permit.
2. The Secretary will notify the permittee in writing that an application for an individual permit is required. When an individual permit is issued to a permittee otherwise covered under this general permit, the permittee's general permit coverage shall be automatically terminated upon the effective date of the individual permit.

2.7 Property Rights

1. The Secretary's issuance of this permit, adoption of design criteria, and approval of plans and specifications, does not convey any property rights of any sort, any exclusive privileges, any authorization to damage, injure or use any private property, any authority to invade personal rights, any authority to violate federal, state or local laws or regulations, or any taking, condemnation or use of eminent domain against any property owned by third parties.
2. The State does not warrant that the permittee's compliance with this permit, design criteria, approved plans and specifications, and operation under this permit, will not cause damage, injury or use of private property, an invasion of personal rights, or violation of federal, state or local laws or regulations. The permittee is solely and severably liable for all damage, injury or use of private

property, invasion of personal rights, infringement of federal, state or local laws and regulations, or taking or condemnation of property owned by third parties, that may result from actions taken under the permit.

2.8 Permit Actions

The Secretary may modify, revoke and reissue, or terminate coverage under this general permit for cause, including failure to comply with any provision of the general permit or any condition imposed by the Secretary upon granting coverage under the general permit. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

2.9 Severability

The provisions of this general permit are severable, and if any provision of this general permit, or the application of any provision of this general permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this general permit, shall not be affected thereby.

3.0 EFFLUENT LIMITS

3.1 Emergency Discharges

1. Discharges of wastewater are prohibited and the Secretary may take enforcement action against a permittee, unless the discharge or sanitary sewer overflow is an emergency and meets each of the following conditions:
 - a. The emergency discharge or sanitary sewer overflow was unavoidable to prevent loss of life, threat to public health, personal injury, or severe property damage;
 - b. There were no feasible alternatives to the emergency discharge or sanitary sewer overflow, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment or proper operation and maintenance to prevent an emergency release that occurred during normal periods of equipment downtime or preventive maintenance; and,
 - c. The permittee submitted notices as required under **Section 4.5 – Discharge Reporting Requirements**.
2. If an emergency discharge, sanitary sewer overflow, or other discharge occurs or is expected to occur, the permittee shall take the appropriate measures to minimize the discharge of pollutants. Such measures may include the closing of facilities that contribute wastewater to the sewer system until the discharge is terminated.
3. Any emergency discharge or sanitary sewer overflow that meets the conditions of paragraph 1 above shall be reported as soon as possible (but in no case less than 24 hours after becoming aware of the circumstances) in accordance with the provisions in **Section 4.5 – Discharge Reporting Requirements**. The report shall be made to the Secretary at (605) 773-3351 during regular business hours (8:00 a.m. – 5:00 p.m. Central Time) or to the South Dakota Emergency Management at (605) 773-3231 any other time.

3.2 Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and treatment and control systems that are installed or used by the permittee to achieve compliance with the conditions of this general permit or other conditions required by the Secretary upon granting coverage under this general permit.

1. This may include the maintenance of freeboard levels of lagoons or holding ponds.
2. Proper operation and maintenance may also include adequate laboratory controls and appropriate quality assurance procedures. This provision requires the

operation of back-up or auxiliary facilities or similar systems that are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the general permit.

3.3 Inspection Requirements

The permittee shall inspect its wastewater treatment facility, outfall structures, and lift stations regularly as outlined below. The inspections shall be conducted to determine if a discharge is occurring, has occurred since the previous inspection, and/or if a discharge is likely to occur before the next inspection. In addition, the inspection shall be performed to determine if proper operation and maintenance procedures are being undertaken at the wastewater treatment facility and lift stations. The permittee shall maintain a notebook recording information obtained during the inspection.

1. The permittee shall inspect the facility and discharge location on at least a **monthly** basis. During any emergency discharge, the facility and discharge location shall be inspected on a **daily** basis. At a minimum, the inspection notebook shall include the following items for the facility inspections:
 - a. Date and time of the inspection;
 - b. Name of the inspector(s);
 - c. The facility's discharge status;
 - d. The measured amount of freeboard or water depth in each pond and wetland;
 - e. Identification of operational problems and/or maintenance problems;
 - f. Recommendations, as appropriate, to remedy identified problems;
 - g. A brief description of any actions taken with regard to problems identified;
 - h. Other information, as appropriate.

2. The permittee shall inspect each lift station on at least a **weekly** basis. During any sanitary sewer overflow, the lift stations shall be inspected on a **daily** basis. At a minimum, the inspection notebook shall include the following for each lift station inspection:
 - a. Date and time of the inspection;
 - b. Name of the inspector(s);
 - c. Whether a sanitary sewer overflow is occurring or has occurred;
 - d. Identification of operational problems and/or maintenance problems;
 - e. Cleaning of screenings, if applicable;
 - f. Testing of alarms, if applicable;
 - g. Hour meter readings;
 - h. Recommendations, as appropriate, to remedy identified problems;
 - i. A brief description of any actions taken with regard to problems identified;

- j. Other information, as appropriate.
3. The permittee shall maintain the notebook(s) for the facility and each lift station in accordance with proper record-keeping procedures and shall make the notebook(s) available for inspection, upon request, by the Secretary or the U.S. EPA.

3.4 Capacity, Management, Operation, and Maintenance Program

In the event that the Secretary notifies the permittee of the need to develop a capacity, management, operation, and maintenance program in order to address, reduce, or eliminate the frequency of sanitary sewer overflows or emergency discharges, the permittee shall develop and submit the program to the Secretary. The program shall, at a minimum, address the following areas:

1. Sewer management program: This program includes personnel organizational structure, training, communication information systems, noncompliance notification program, and other appropriate items;
2. Collection system operation program: This program includes operational budgeting, monitoring, safety, emergency preparedness and response, pump stations, operational recordkeeping, and other appropriate items;
3. Collection system maintenance program: This program includes maintenance budgeting, planned and unplanned maintenance; sewer cleaning; maintenance recordkeeping, parts and equipment inventory, and other appropriate items; and
4. Sewer system capacity evaluation: The capacity evaluation includes the following:
 - a. System inventory (sewer locations, sizes, slopes, materials, age, condition, etc.);
 - b. Identification of problem areas (overflows, surcharged lines, basement backups, etc.);
 - c. Capacity evaluation of problem areas (utilizing flow and precipitation records, infiltration and inflow investigation, manhole and pipe inspections and televising, smoke and dye testing, and building inspections); and
 - d. Sewer rehabilitation recommendations.
5. Timelines: This program shall identify timelines and specific dates for completing any identified changes or improvements.
6. SDDENR Approval: The permittee shall submit the program to SDDENR for approval. Upon approval, the permittee shall implement the program.

4.0 MONITORING, RECORD KEEPING, & REPORTING REQUIREMENTS

4.1 Self-Monitoring Requirements

Promptly upon discovery of an emergency discharge, bypass, sanitary sewer overflow, or other discharge, the discharge shall be monitored as shown below. Knowingly discharging or failing to report a discharge within a reasonable time from the permittee first learning of a discharge could subject the permittee to penalties as provided under the South Dakota Water Pollution Control Act. The permittee shall report the monitoring results in accordance with **Section 4.4 – Reporting of Monitoring Results**.

Effluent Characteristic	Frequency	Reporting Value	Sample Type ¹
Total Flow, million gallons	Each Discharge ₂	Event Total	Calculated
Duration of Discharge, days	Each Discharge ₂	Event Total	Calculated
Flow Rate, million gallons per day	Daily ³	Actual Value	Instantaneous
pH, standard units	Daily ^{3,4}	Actual Value	Instantaneous ⁵
Total Residual Chlorine, mg/L (<i>only if chlorinating</i>)	Daily ³	Actual Value	Instantaneous
Water Temperature, °C	Daily ^{3,4}	Actual Value	Instantaneous ⁶
Total Suspended Solids (TSS), mg/L	Daily ³	Actual Value	Grab
Five-Day Biochemical Oxygen Demand (BOD ₅), mg/L	Daily ³	Actual Value	Grab
Ammonia as N, mg/L	Daily ^{3,4}	Actual Value	Grab
<i>Escherichia Coli</i> , no./100 mL	Daily ³	Actual Value	Grab
Total Coliform, no./100 mL	Daily ³	Actual Value	Grab

¹ See Definitions.

² The permittee shall report the date and time of the start and termination of each discharge, along with the total number of gallons discharged during the entire discharge event.

³ The permittee shall take a minimum of one sample per day during any emergency release, bypass, sanitary sewer overflow, or other discharge unless SDDENR authorizes an alternative sampling schedule.

⁴ The pH and temperature of the effluent shall be determined when ammonia samples are collected.

⁵ pH shall be taken within 15 minutes of sample collection with a pH meter. The pH meter must be capable of simultaneous calibration to two points on the pH scale that bracket the expected pH and are approximately three standard units apart. The pH meter must read to 0.01 standard units and be equipped with temperature compensation adjustment. Readings shall be reported to the nearest 0.1 standard units.

⁶ The water temperature of the effluent shall be taken as a field measurement. Measurement shall be made with a mercury-filled, or dial type thermometer, or a thermistor. Readings shall be reported to the nearest whole degree Celsius.

4.2 Monitoring Procedures

1. Effluent samples taken in compliance with the monitoring requirements established under this general permit shall be collected prior to discharge into the receiving waters. Samples and measurements shall be representative of the volume and nature of the monitored discharge.
2. Monitoring shall be conducted according to test procedures approved under ARSD §74:52:03:06, (a.b.r. 40 CFR, Part 136), unless other test procedures have been specified in this general permit or approved by the Secretary.

4.3 Additional Monitoring by the Permittee

If the permittee monitors any pollutant more frequently than required by this general permit, using test procedures approved under ARSD §74:52:03:06 (a.b.r. 40 CFR 136) or as specified in this general permit, the results of this monitoring shall be used in determining compliance with this general permit.

4.4 Reporting of Monitoring Results

1. Monitoring results shall be reported on a photocopy of the Discharge Monitoring Summary Form located in **Appendix B** of this general permit, postmarked no later than the 28th day of the month following the discharge. Legible copies of these, and all other reports required herein, shall be signed and certified in accordance with **Section 4.7 – Signatory Requirements** and submitted to the Secretary at the following address:

South Dakota Department of Environment and Natural Resources
Surface Water Quality Program
PMB 2020
523 East Capitol
Pierre, South Dakota 57501-3182

2. In accordance with SDCL 1-40-39, the Secretary is authorized to accept a document with an electronic signature. SDDENR shall provide for the authenticity of each electronic signature by adhering to any standards established by the South Dakota Bureau of Information and Telecommunications pursuant to SDCL 53-12-47 and 53-12-50 or any other standards established by rules promulgated pursuant to SDCL Chapter 1-26.

4.5 Discharge Reporting Requirements

1. The permittee shall report any emergency related to this general permit or permitted facility that may endanger health or the environment as soon as possible, but no later than 24 hours after becoming aware of the circumstances. The report shall be made to the Secretary at (605) 773-3351 during regular business hours (8:00 a.m. – 5:00 p.m. Central Time), or to South Dakota Emergency Management at (605) 773-3231 any other time.
2. Emergency discharges, sanitary sewer overflows, and other unauthorized releases that do not meet the conditions of Paragraph 1 above shall be reported to the

Secretary within 24 hours from the time the permittee becomes aware of the circumstances as follows:

- a. During regular business hours (8:00 a.m. - 5:00 p.m. Central Time), the report shall be made at (605) 773-3351.
 - b. Outside of normal business hours, the permittee shall leave a message at 1-800-GET-DENR (1-800-438-3367).
3. Anticipated overflows shall be reported to the Secretary in advance, if possible.
 4. The Secretary may require the permittee to notify the general public or downstream users that could be or will be impacted by the discharge.
 - a. In making the decision to require public notification, the Secretary will consider the potential impacts as a result of the discharge, the downstream beneficial uses (such as drinking water or recreation), and the potential for public contact.
 - b. If required by the Secretary, the permittee shall notify the public and/or downstream users as soon as possible, but in no case more than 24 hours after the discharge begins.
 5. In addition to verbal notification, the permittee shall submit to the Secretary a written report of the circumstances above.
 - a. Reports shall be submitted in accordance with **Section 4.4 – Reporting of Monitoring Results**.
 - b. The written submission shall contain:
 - i. A description of the event and its cause;
 - ii. The period of the event, including exact dates and times;
 - iii. Where the wastewater was discharged;
 - iv. The estimated time the event is expected to continue if it has not been corrected;
 - v. Any adverse effects, such as fish kills;
 - vi. If public notification was required, describe how the public was notified of the discharge; and
 - vii. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the event.
 - c. The written report shall be submitted on the Discharge Monitoring Summary Form in **Appendix B** by the 28th day of the following month. The Secretary may require a written report to be submitted sooner or may require additional information if the discharge has the potential to impact human health or the environment.

4.6 Bypass Reporting

1. The permittee may allow anticipated bypasses to occur that do not result in a discharge and will not result in a violation of the effluent limits, but only if for essential maintenance to ensure efficient operation.
2. The permittee shall submit notice of a bypass as follows:
 - a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, the permittee shall submit notice to the Secretary at least 10 days before the date of the bypass.
 - b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass to the Secretary at (605) 773-3351 by the first workday (8:00 a.m. - 5:00 p.m. Central Time) following the day the permittee became aware of the circumstances.

4.7 Records Contents

Records of monitoring information shall include:

1. The date, exact place, and time of sampling or measurements;
2. The initials or names of the individuals who performed the sampling or measurements;
3. The dates analyses were performed;
4. The time analyses were initiated;
5. The initials or names of individuals who performed the analyses;
6. References and written procedures, when available, for the analytical techniques or methods used; and,
7. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.

4.8 Signatory Requirements

1. All applications, reports or information submitted to the Secretary shall be signed and certified.
2. All Notice of Intent forms shall be signed by either a principal executive officer or ranking elected official.
3. All reports required by the general permit and other information requested by the Secretary shall be signed by a principal executive officer or ranking elected official, or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- a. The authorization is made in writing by a person described above and submitted to the Secretary; and,
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility, such as the position of superintendent or equivalent responsibility, or an individual or position having overall responsibility for environmental matters. (A duly authorized representative may be either a named individual or any individual occupying a named position.)
4. If an authorization under paragraph 3 above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization shall be submitted to the Secretary.
 5. Any person signing a document under this section shall make the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

4.9 Retention of Records

1. The permittee shall retain records of all monitoring information and other data required by the general permit. This includes:
 - a. Data collected on site;
 - b. Copies of all Discharge Monitoring Summary Forms;
 - c. A copy of the general permit and the letter granting coverage under this general permit;
 - d. All calibration and maintenance records;
 - e. All original strip chart recordings for continuous monitoring instrumentation;
 - f. Copies of all other reports required by this general permit; and
 - g. Records of all data used to complete the application for this general permit.
2. This information must be retained for a period of at least **three years** from the date of the sample, measurement, report, or application. This period may be extended by request of the Secretary at any time.

4.10 Availability of Reports

Except for data determined to be confidential under ARSD §74:52:02:17, all reports prepared in accordance with the terms of this general permit shall be available for public inspection at the office of SDDENR. The name and address of the permittee, permit applications, notices of intent, permits, and effluent data shall not be considered confidential.

4.11 Duty to Provide Information

1. The permittee shall furnish to the Secretary, within a reasonable time, any information the Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this general permit, or to determine compliance with this general permit. The permittee shall also furnish to the Secretary, upon request, copies of records required to be kept by this general permit.
2. If the permittee becomes aware that it failed to submit any relevant facts in a Notice of Intent form, or submitted incorrect information in a Notice of Intent form or any report to the Secretary, it shall promptly submit such facts or information.

4.12 Planned Changes

The permittee shall give notice to the Secretary as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when the alteration or addition could significantly change the nature or increase the quantity of pollutant discharged, or could result in noncompliance with permit conditions. This notification applies to pollutants that are not subject to effluent limits or other notification requirements in the general permit.

5.0 COMPLIANCE REQUIREMENTS

5.1 Duty to Comply

The permittee shall comply with all conditions of this general permit. Any permit noncompliance constitutes a violation of the South Dakota Water Pollution Control Act and the federal Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. A violation of a condition of the general permit is subject to SDCL § 34A-2-75.

5.2 Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use in violation of this general permit that has a reasonable likelihood of adversely affecting human health or the environment.

5.3 Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this general permit.

5.4 Upset Conditions

1. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limits if the requirements of Paragraph 3 below are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review (i.e., Permittees will have the opportunity for a judicial determination on any claim of upset only in an enforcement action brought for noncompliance with technology-based permit effluent limits).
2. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An upset occurred and that the permittee can identify the cause(s) of the upset;
 - b. The permitted facility was at the time being properly operated;
 - c. The permittee submitted notice of the upset in accordance with **Section 4.5 – Discharge Reporting Requirements**; and
 - d. The permittee complied with mitigation measures required under **Section 5.2 – Duty to Mitigate**.
3. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

5.5 Penalties for Violations of Permit Conditions

Any person who violates a permit condition is in violation of the provisions of SDCL 34A-2-36, and is subject to penalties under SDCL 34A-2-75. In addition to a jail sentence authorized by SDCL 22-6-2, such violators are subject to a criminal fine not to exceed ten thousand dollars per day of violation. The violator is also subject to a civil penalty not to exceed ten thousand dollars per day of violation, or for damages to the environment of this state. Except as provided in Section 5.4, nothing in this general permit shall be construed to relieve the permittee of the civil or criminal penalties for noncompliance.

5.6 Penalties for Tampering

Any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this general permit is in violation of the provisions of SDCL 34A-2-77, and is subject to penalties under SDCL 34A-2-75. In addition to a jail sentence authorized by SDCL 22-6-2, such violators are subject to a criminal fine not to exceed ten thousand dollars per day of violation. The violator is also subject to a civil penalty not to exceed ten thousand dollars per day of violation, or for damages to the environment of this state.

5.7 Penalties for Falsification

1. Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this general permit, including monitoring reports or reports of compliance or noncompliance, is in violation of the provisions of SDCL 34A-2-77, and is subject to penalties under SDCL 34A-2-75.
2. Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit is in violation of the provisions of SDCL 34A-2-77, and is subject to penalties under SDCL 34A-2-75.
3. In addition to a jail sentence authorized by SDCL 22-6-2, such violators are subject to a criminal fine not to exceed ten thousand dollars per day of violation. The violator is also subject to a civil penalty not to exceed ten thousand dollars per day of violation, or for damages to the environment of this state.

5.8 Oil and Hazardous Substance Liability

Nothing in this general permit shall be construed to preclude the Secretary from taking any legal action or relieve the permittee from any responsibilities, liabilities, or penalties the permittee is or may be subject under section 311 of the federal Clean Water Act.

6.0 INDUSTRIAL WASTES (for Publicly Owned Treatment Works Only)

6.1 Industrial Users

1. During the life of the permit, the permittee shall conduct an industrial waste survey to identify the character and volume of pollutants from each significant industrial user, as well as documenting production data.
2. The permittee shall notify the Secretary of any new introductions by new or existing industrial users or any substantial change in pollutants from any industrial user. Such notice must contain the information described in paragraph 1 above and be submitted to the Secretary no later than 60 days following the introduction or change.
3. The permittee shall provide adequate notice to the Secretary of any substantial change in the volume or character of pollutants being introduced into the POTW by any other industrial users. For the purposes of this section, adequate notice shall include information on:
 - a. The quality and quantity of effluent to be introduced into the POTW; and,
 - b. Any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

6.2 Prohibited Discharges

1. Under no circumstances shall the permittee allow the introduction of the following pollutants to the publicly owned treatment works from any source of nondomestic discharge:
 - a. Pollutants that create a fire or explosion hazard in the publicly owned treatment works, including but not limited to wastestreams with a closed cup flashpoint of less than 60 degrees Celsius (140 degrees Fahrenheit) using the test methods specified in ARSD §74:28:22:01 (a.b.r. 40 CFR 261.21);
 - b. Pollutants that will cause corrosive structural damage to the publicly owned treatment works, but in no case discharges with pH lower than 5.0 standard units nor greater than 12.5 standard units;
 - c. Solid or viscous pollutants in amounts that will cause obstruction to the flow in the POTW, or other interference with the operation of the POTW;
 - d. Any pollutant, including oxygen-demanding pollutants (e.g., BOD), released in a discharge at a flow rate and/or pollutant concentration that will cause interference with the POTW;
 - e. Heat in amounts that will inhibit biological activity in the POTW resulting in interference but in no case heat in such quantities that the temperature at the POTW treatment plant exceeds 40 degrees Celsius (104 degrees Fahrenheit);

- f. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;
 - g. Pollutants that result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
 - h. Any trucked or hauled pollutants, except at discharge points designated by the POTW;
 - i. Any pollutant that causes pass through or interference; and,
 - j. In addition to the general limits expressed above, more specific pretreatment limits have been promulgated for specific industrial categories under Section 307 of the federal Clean Water Act (see ARSD, Chapter 74:52:10, a.b.r. 40 CFR Subchapter N, Parts 405 through 471, for specific information).
2. The Secretary retains the right to take legal action against the industrial user and/or the permittee, in those cases where a permit violation has occurred because of the failure of an industrial user to discharge at an acceptable level.

7.0 ADDITIONAL PERMIT CONDITIONS

7.1 Inspection and Entry

The permittee shall allow the Secretary or EPA, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this general permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this general permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this general permit; and,
4. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the South Dakota Water Pollution Control Act, any substances or parameters at any location.

7.2 Removed Substances

1. Collected screenings, grit, solids, sludges, or other pollutants removed in the course of treatment shall be disposed of in such a manner so as to prevent any pollutant from entering any waters of the state or creating a health hazard in accordance with applicable requirements of SDCL 34A-2, -6, and -11.
2. If sludge disposal is necessary, the permittee shall submit to the Secretary a sludge disposal plan for review and approval prior to the removal and disposal of sludge. The permittee shall not dispose of sludge without the Secretary's approval.

APPENDIX A

**Notice of Intent to Receive Coverage Under the
General Surface Water Discharge Permit for
Minor Non-Discharging Publicly Owned Treatment Works**

APPENDIX B

Discharge Monitoring Summary Form

DISCHARGE MONITORING SUMMARY FORM

This form is to be used to summarize effluent monitoring information for discharges from facilities covered under the General Surface Water Discharge Permit for Minor Non-Discharging Domestic Wastewater Treatment Facilities.

Address:	
Facility Contact:	Phone:
Description of Event <i>(Attach additional sheets if necessary)</i>	
Date and Time the discharge began or was discovered:	
Date and Time the discharge was stopped:	
Describe the events resulting in the discharge and its cause(s):	
Where was the wastewater discharged:	
Describe the steps taken or planned to reduce, eliminate, and prevent reoccurrence:	
Time and Date 24-Hour Notice of Noncompliance given to SDDENR:	
Describe any adverse effects, such as fish kills, etc.:	
Duration of discharge (include dates and times):	
Total flow, million gallons:	

ANALYTICAL RESULTS

Parameter	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7
Date and time of sample							
Flow Rate, million gallons per day							
pH, standard units							
Water Temperature, °C							
Total Residual Chlorine, mg/L (if chlorinating)							
<i>Escherichia Coli</i> , no./100 mL							
Total Coliform, no./100 mL							
Ammonia as N, mg/L							
Total Suspended Solids (TSS), mg/L							
Five-Day Biochemical Oxygen Demand (BOD ₅), mg/L							

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (print): _____

Title: _____

Signature: _____

Date: _____



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

September 11, 2012

The Honorable Richard Herrold
President, Town of Dimock
P.O. Box 115
Dimock, SD 57331

RE: Surface Water Discharge Compliance Inspection (SWD Permit Number: SDG820141)

Dear President Herrold:

The South Dakota Department of Environment and Natural Resources conducted a Surface Water Discharge Compliance Inspection of the town's wastewater treatment facility on August 14, 2012. I appreciate Vilas Kurtenbach's time and cooperation in supplying the requested information.

I have attached an inspection summary and a copy of the inspection report. Please pay special attention to the Inspection Summary tables and implement the required corrective actions as soon as possible. All corrective actions taken will be reviewed during our next inspection at your facility. **Within 30 days of receipt of this report, please submit a summary of the corrective actions taken to the department at the address listed in the letterhead.**

Thank you for your continued efforts to protect the environment and natural resources of South Dakota. Please review this report for accuracy, and respond within thirty days with any needed corrections. If you have any questions about this letter or the inspection reports, please contact me at (605) 773-3351.

Sincerely,

Jonathan Hill
Engineer II
Surface Water Quality Program
Enclosures

cc: Vilas Kurtenbach, Trustee, Dimock
Seth Draper, EPA Region 8, 8ENF-W-NP
SWD File - Pierre

INSPECTION SUMMARY

Facility: Dimock WWTF

SWD Permit: SDG820141

Inspection Date: August 14, 2012

The following comments detail violations of the permit that were identified during the inspection. Corrective actions are **required** for the town to come into compliance with its surface water discharge permit.

COMMENTS	REQUIRED CORRECTIVE ACTIONS
<p>The operator is keeping an inspection notebook for the wastewater treatment facility; however, the pond depth is not being recorded.</p> <p>The town is not keeping the inspection notebooks for a minimum of three years.</p>	<p>All pond site inspections conducted by town personnel must be documented in a notebook to be reviewed by SDDENR personnel when an inspection occurs. At a minimum, the notebook shall include the following:</p> <ol style="list-style-type: none"> 1. Date and time of the inspection; 2. Name of the inspector(s); 3. The facility's discharge status; 4. The measured amount of freeboard or water depth in each pond and wetland; 5. Identification of operational problems and/or maintenance problems; 6. Recommendations, as appropriate, to remedy identified problems; 7. A brief description of any actions taken with regard to problems identified; and 8. Other information, as appropriate. <p>The inspection notebook is a condition of the SWD permit and must be kept for minimum of three years</p>

COMMENTS	REQUIRED CORRECTIVE ACTIONS
Burrowing animals have caused damage to part of the dikes.	<p>The town needs to repair the damage done to the dikes.</p> <p>Burrowing rodents can do extensive damage in just a short period of time resulting in both operation and maintenance problems, and a major expense to the city for repairs. Contact your local Game, Fish, and Parks conservation officer for information on how to remove rodents from the stabilization pond area.</p>
The finance officer was not available at the time of the inspection to provide wastewater expenses and revenue along with residential and commercial sewer use fees.	Please submit the wastewater expenses and revenue in the Corrective Actions Summary, along with the residential and commercial sewer use fee for the 2011 fiscal year.

The following comments and corrective actions are *recommended* and are items that will improve the operation of your facility.

COMMENTS	RECOMMENDED CORRECTIVE ACTIONS
We would like to encourage you to give Mr. Kurtenbach or another representative of Dimock the opportunity to attend the wastewater training courses sponsored by the state to upgrade skills and share knowledge concerning the operation and maintenance of municipal wastewater systems.	For more information as to dates and locations of upcoming courses in your area, contact South Dakota Association of Rural Water Systems, under contract with DENR, at 203 Center Street W., Madison, SD 57042. Phone: (605) 556-7219. Website: http://www.sdarws.com .
The dikes are showing signs of erosion.	The pond should be riprapped to stop the erosion caused by high water and wind/wave action. If not corrected, this erosion may cause operation and maintenance problems and result in major repair expenses. Please see enclosed sheet on riprapping.
The town has not tested the collection system to determine if there is damage or excessive inflow and infiltration (I/I).	The town should take steps to determine if the collection system has sustained any damage or is experiencing I/I.
Emergency procedures have not been established in the case of a major storm event, a sewer main break, or a chemical release into the sewer system.	The town may wish to consider establishing written emergency procedures to ensure city staff is prepared to address emergencies that may arise during the operation of the wastewater collection and treatment system.

COMMENTS	RECOMMENDED CORRECTIVE ACTIONS
Warning signs are not adequately posted at the wastewater treatment facility.	Some additional signs are required around the pond. The requirement for warning signs is one sign every 500 feet around the pond, starting at the gate, with at least one sign on each side.
The fence was in need of some repairs.	The fence should be repaired to prevent the entrance of unauthorized persons into the wastewater treatment facility.
The gate in the fence around the wastewater treatment facility was unlocked.	The gate should remain locked to prevent the entrance of unauthorized persons into the wastewater treatment facility.
The pond is not equipped with a depth indicator.	A pond depth indicator should be installed with readings recorded during each inspection. These records will be helpful in determining flow to the ponds and aid in maintaining the proper operating depths in the ponds at all times.
There is weed growth on the pond dikes.	This unwanted vegetation needs to be eliminated to prevent dike damage from erosion and the root systems of these plants. This vegetation also tends to inhibit the air action on the pond, which in turn inhibits the biological action necessary to treat the wastes and keep odors to a minimum. Once the weeds are eliminated, the pond site should be reseeded with an appropriate grass.
Cattails and reeds are growing in the shallow half of the treatment pond.	In order for your treatment pond to operate properly, the rush and cattail growth in the ponds should be eliminated by spraying and/or cutting to prevent erosion/seepage damage to the dikes and attracting rodents.

COMMENTS	RECOMMENDED CORRECTIVE ACTIONS
<p>The shallow half of the treatment pond is dry.</p>	<p>The minimum operating depth for the shallow half of the pond is 2 feet. This water level needs to be maintained in order to allow the appropriate biological action to take place to treat the wastewater, as well as protect the integrity of the cell liner.</p> <p>The department encourages the town to hire a licensed engineer to determine if the treatment system is sized properly, or if modifications are needed.</p>



NO DISCHARGE INSPECTION CHECKLIST

SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

I. GENERAL INFORMATION

Name Dimock WWTF
Location North of the town in S 1/2 of Section 7, T100N, R60W
SWD Permit No. SDG820141

Contact Person / Title Vilas Kurtenbach / Trustee **Phone Number** (605) 928-3769
Responsible Party/Title Richard Herrold / President **Phone Number** (605) 227-4621

Persons present during the inspection:

<u>Name</u>	<u>Title / Phone Number</u>	<u>Affiliation</u>
Dan Schoenfelder	Trustee / (605) 227-4621	Dimock
Vilas Kurtenbach	Trustee / (605) 928-3769	Dimock
Jonathan Hill	Engineer II / (605) 773-3351	SDDENR

Mailing Address P.O. Box 115, Dimock, SD 57331
Inspection Date August 14, 2012 **Last Inspection Date** February 3, 2011
Entrance Time 1:45 PM **Exit Time** 3:30 PM
Permit Effective Date October 1, 2011 **Permit Expiration Date** September 30, 2016

Type of "No Discharge" Facility:

Stabilization Ponds Only Other: _____

Design Population Equivalent about 600 **Average Design Flow** Unknown
Present Population Served 125
Date Facility Began Operation 1968 **Dates of Facility Upgrades** The overflow discharge structure was sealed in 1997
Industries Served by Facility (list names of industries) Dimock Dairy Products Company PO Box 26, Dimock SD 57331-0026
 Phone: 605-928-3833. NAICS Code: 311513
 Products: Cheese: Longhorn, Colby, Monterey Jack, Colby Jack, Cheddar

Facility Description:

The facility consists of a gravity flow collection system to a six-acre bi-level stabilization pond that was constructed in 1968. The pond has an overflow discharge structure that was sealed in 1997.

For office use only: **OMA** Yes No **OME** Yes No **SEV** Yes No **ENF** Yes No

II. PERMIT VERIFICATION

1. A current copy of the permit is on site.
2. Operator is aware of permit conditions (especially unauthorized release procedures).
3. O&M manuals for the treatment facility and the lift stations are available.
4. Facility is as described in permit. If no, what is different? _____
5. Facility, address and contact information is correct in the SWD Database?
6. Facility, address and contact information is correct in the ICIS Database?
5. Have there been any new, different, or increased loadings to the WWTF since the last inspection? If yes, describe. _____

Yes	No	N/A
X		
X		
	X	
X		
X		
X		
	X	

Comments: *No comments.*

III. RECORDKEEPING AND REPORTING EVALUATION

1. An inspection notebook is maintained for the treatment facility.
2. A notebook is maintained for lift station inspections, and/or hour meter readings?
3. Discharge Monitoring Reports have been submitted as required (for irrigation facilities only).
4. Information is maintained for the required 3-year period.

Yes	No	N/A
X		
		X
		X
	X	

If overflows occurred from this facility, the information from questions 5-7 should be entered in the SSO Database.

5. Facility has experienced an emergency release, such as overflows (pond or sanitary sewer) or bypasses (internal, collection system, total). If yes, describe the release, including dates, total volumes, and receiving waters: _____
6. DENR was notified of any emergency releases (treated and/or untreated). If no, why not? _____
7. Samples were collected for all emergency releases/bypasses. If yes, list sampling results in the following table. If no, why not? _____

Yes	No	N/A
	X	
		X
		X

Comments: *Only the current inspection notebook is kept. The depth in the pond is not being recorded because the pond is not equipped with a depth indicator.*

IV. FACILITY PROCEDURES REVIEW

1. A water balance has been done for the facility. Describe the results.
The shallow half of the pond was dry during the inspection and the operator said the shallow half is nearly always dry.
2. Written emergency procedures are established (in the event of a major storm event, a chemical release into the sewer system, a sewer main break, etc.)
3. A vulnerability assessment has been performed.
4. Modifications to the facility have been made since the last inspection. Describe the modifications: _____
5. Facility can be bypassed (internal, collection system, total). Describe bypass procedures: _____
6. Sludge has been disposed of at this facility. If yes, describe disposal procedures: _____
7. Hauled waste (septage) or industrial waste is accepted at this facility. If yes, list contact information: *The facility does not accept hauled in waste. The only non-domestic waste is from the Dimock Cheese factory.*
8. Chemicals or enzymes are added to the wastewater. If yes, list products: *Enzymes are added yearly to the collection system for smell.*
9. The facility has experienced problems with industrial or hauled wastes. If yes, explain: _____
- 10 Does the facility have sampling kits in case of a discharge or SSO?

Yes	No	N/A
	X	
	X	
	X	
	X	
	X	
X		
	X	
X		

Comments: *The town used to add enzymes several times a year, but has gone to once a year to see if it makes any difference. The town has not noticed any difference and is considering stopping the addition of enzymes completely. Written emergency procedures should be established.*

V. COMPLIANCE SCHEDULE STATUS REVIEW

1. Is the facility subject to a compliance schedule either in its permit or in an enforcement action? If yes, note date and type of enforcement action.

2. List milestones that remain in the schedule: _____
3. Facility has missed milestone dates, but will still meet the final compliance date.

Yes	No	N/A
	X	
		X

Comments: *No comments.*

VI. PERSONNEL AND BUDGET REVIEW

Number of Personnel: 3

Certification	Class I	Class II	Class III	Class IV
Treatment	0			
Collection	0			
State certification requirements (if required)	<i>Not required</i>			

Budget: 2011

Yearly expenditures for the facility. Unknown Residential Sewer Use Fee Unknown

Yearly revenue for the facility. Unknown Commercial Sewer Use Fee Unknown

Describe any wastewater projects planned during the next three years. Repairs to the fence around the treatment pond.

Describe measures taken to raise funds for the project(s). None

Comments: *The inspector spoke with the two onsite representatives about the dry half of the bi-level treatment pond. The town will look into hiring an engineer to determine what modifications could be made to allow the system to operate properly.*

The city must submit the wastewater expenditures and revenue for 2011 and the current sewer use fee for residential and commercial users.

VII. COLLECTION SYSTEM REVIEW

Piping and Manholes

Type of Collection System: Combined Separate Both
 Other (explain): Only sanitary

	Yes	No	N/A
1. A routine sewer-cleaning schedule is maintained. If yes, what is the schedule and what type of equipment is used? <u>Lines are flushed yearly.</u>	X		
2. Sewer backups into basements occur during high flows. If yes, explain:		X	
3. The community has a sump pump ordinance. If yes, how is it enforced? <u>A letter is sent in the spring asking residents to remove sump pumps from the system.</u>		X	
4. Testing for inflow/infiltration (I/I) sources has been conducted since the last inspection. If yes, describe testing and corrective actions taken to fix problems:		X	

Comments: *The town should test for I/I and damage to the collection system.*

VIII. TREATMENT PROCESS REVIEW

Stabilization Ponds

Item	Comments
Inspection frequency	<i>monthly</i>
Weeds and/or trees growing on the dikes	<i>weeds</i>
Vegetation growing in the ponds	<i>in the shallow half of the pond</i>
Pond dikes protected from erosion with riprap	<i>no</i>
Pond seepage surfacing reported	<i>no</i>
Dike structure failure (sloughing and/or sagging)	<i>some damage to the inner dike from burrowing animals</i>
If aerators are used, number per cell	<i>N/A</i>
Aerator information and comments	<i>N/A</i>
Condition of fencing	<i>needs to be repaired in some areas</i>
All access gates are kept locked	<i>no, but a new gate will be installed with the repairs to the fence</i>
Signs legible and properly located	<i>not enough signage</i>
Facility accessible in all weather conditions	<i>yes</i>
Evidence of burrowing animals	<i>yes</i>
Evidence of grazing animals	<i>no</i>
Odor problem (except seasonal turnover)	<i>no</i>
Inter-pond piping valves are working and used	<i>N/A</i>
Flow measurement (weir, flume, etc.)	<i>none</i>
Depth indicator(s)	<i>none</i>
Effluent destination	<i>South Fork of Twelve Mile Creek</i>
Discharge structure (valve control, overflow, etc.)	<i>none</i>
Latest discharge (date)	<i>Never discharged</i>
Duration of discharge	<i>N/A</i>
Cells operated in series or parallel	<i>N/A</i>

Cell information

	Cell #1a	Cell #1b
Maximum operation depth (feet)	<i>unknown</i>	<i>unknown</i>
Current operating depth (feet)	<i>unknown</i>	<i>unknown</i>
Minimum operating depth (feet)	<i>4</i>	<i>2</i>
Surface area at maximum depth (acres)	<i>6 acres</i>	

Comments: *The pond is not equipped with a depth indicator, so the pond depth is unknown. During the inspection the water was about 0.5 feet from going onto the shallow half of the pond. The town has been in contact with SDDENR about fence requirements and has plans to fix the fence and replace the gate this fall.*

Surface Water Discharge Compliance Inspection Report

Section A: National Data System Coding

Transaction Code N 5	Permit No. SDG820141	mm/dd/yy 08/14/2012	Insp. Type C	Inspector S	Fac. Type 1
--------------------------------	--------------------------------	-------------------------------	------------------------	-----------------------	-----------------------

Remarks:

Inspection Work Days 1	Facility Evaluation Rating 3	BI N	QA N	Reserved	Reserved
----------------------------------	--	----------------	----------------	-----------------	-----------------

Section B: Facility Data

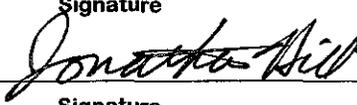
Name and Location of Facility (For Industrial Users include POTW name and SWD permit number) Dimock Wastewater Treatment Facility located in S 1/2 of Section 7, T100N, R60W, Hutchinson county		Entry Time: 1:45 PM	Permit Eff. Date: October 1, 2011
Name of On-Site Representative(s)/ Title/ Phone and Fax Number Vilas Kurtenbach / Trustee / (605) 928-3769 Dan Schoenfelder / Trustee / (605) 928-3769		Exit Time: 3:30 PM	Permit Exp. Date September 30, 2016
Name and Address of Responsible Official/Title/Phone and Fax Number Richard Herrold / P.O. Box 115, Dimock, SD 57331 / President / (605) 227-4621 Contacted? No		Other Facility Data	

Section C: Areas Evaluated During Inspection
(S=Satisfactory, M=Marginal, U=Unsatisfactory, N=Not Evaluated)

S	Permit	S	Flow Measurement	M	O & M	S	CSO/SSO
M	Records/Reports	S	Self-Monitoring	N	Sludge Disposal	N	PP
M	Facility Site Review	N	Compliance Schedule	S	Industrial Users	N	Multimedia
S	Effluent/Receiving Waters	N	Laboratory	N	Storm Water	N	Other

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

- Some damage to the dikes has occurred from burrowing animals.
- Funding information was unavailable during the inspection.
- Inspection notebooks are only kept for one year.
- Depth is not recorded in the inspection notebook.
- Emergency procedures have not been developed.
- There are not enough signs posted around the treatment pond.
- The gate is not kept locked.
- The fence is in need of repairs in some areas.
- The pond does not have a depth indicator.
- The shallow half of the pond is dry.
- There is weed growth on the pond dikes.
- The shallow half of the pond had extensive vegetation growth.
- The dikes are showing signs of erosion.
- The town should test for I/I and damage to test collection system.

Name of Inspector(s) Jonathan Hill	Signature 	Affiliation / Phone SDDENR / (605) 773-3351	Date 9-10-2012
Name of Reviewer Kelli D. Buscher, P.E.	Signature 	Affiliation / Phone SDDENR / (605) 773-3351	Date 9/10/2012

INSTRUCTIONS FOR SURFACE WATER DISCHARGE COMPLIANCE INSPECTION REPORT

SECTION A: NATIONAL DATA SYSTEM CODING

Transaction Code: Use N, C or D for New, Change or Delete. All inspections will be New (N) unless there is an error in the data entered.

Permit No.: SWD Permit Number.

Inspection Date: Use month/day/year format.

Inspection Type: Uses the following codes to describe the type of inspection:

A-Performance Audit	L-Enforcement Case Support	2 IU Sampling Inspection
B-Biomonitoring	M-Multimedia	3 IU Non-Sampling Insp
C-Compliance Evaluation	P-Pretreatment Compliance Inspection	4 IU Toxics Inspection
D-Diagnostic	R-Reconnaissance Inspection	5 IU Sampling Insp w/Prt
E-Corps of Engrs Inspection	S-Compliance Sampling	6 IU Non-Samp Insp w/Prt
F-Pretreatment Follow-up	U-IU Inspection with Pretreatment Audit	7 IU Toxics w/Prt
G-Pretreatment Audit	X-Toxics Inspection	%-SSO Sampling Insp
I-Industrial User (IU)	Z-Biosolids	& -SSO Non-Sampling Insp
		# -CSO Sampling Insp
		\$ - CSO Non-Sampling Insp

Inspector Code: Use following codes to describe the lead agency:

C-Contractor or Other (specify)	N-NEIC Inspectors
E-Corps of Engineers	R-EPA Regional inspector
J-Joint EPA/State - EPA Lead	S-State Inspector
	T-Joint State/EPA - State Lead

Facility Type: Use following codes to describe the facility:

- 1-Municipal - Publicly Owned Treatment Works (POTW) with SIC code 4952.
- 2-Industrial - Other than municipal, agricultural and Federal facilities.
- 3-Agricultural - Facilities with SIC 0111 to 0971.
- 4-Federal - Facilities identified as Federal by the EPA Regional Office.

Remarks: Columns for remarks at discretion of the Inspector.

Inspection Work Days: Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Facility Evaluation Rating: Evaluate the quality of the facility self monitoring program using scale of 1 to 5, with a 5 being a very reliable program, a 3 being satisfactory and a 1 being a very unreliable program.

Biomonitoring Information: Enter D for static testing; F for flow through testing; or N for no biomonitoring.

Quality Assurance Data Inspection: Enter Q if inspection was a follow-up on QA sample results. Enter N otherwise.

SECTION B: FACILITY DATA

This section is self-explanatory, except for *Other Facility Data*, which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, and other updates to the record).

SECTION C: AREAS EVALUATED DURING INSPECTION

Indicate findings (S, M, U or N) in the appropriate line. Use section D and additional sheets as need to explain findings in a brief narrative when appropriate. The heading marked *Multimedia* may indicate medias such as CAA, RCRA, and TSCA. The heading marked "Other" may be used to note any additional concerns, such as SPCC, BMPs, and concerns that are not covered elsewhere.

SECTION D: SUMMARY OF FINDINGS/COMMENTS

Briefly summarize the inspection findings along with referencing any attachments such as checklists from NPDES inspection manuals, pretreatment guidance documents and monitoring results.



**SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES**
Minor No Discharge General Permit Worksheet

I. FACILITY INFORMATION

Permittee Name:	Town of Dimock	Permit Number:	SDG820141
Responsible Official:	Tim Heisinger	Title	Board President
Facility Contact:	Vilas Kurtenbach (Trustee)		
Mailing Address:	PO Box 115 Dimock, SD 57331		
Phone Number:	605-928-3769 (Vilas Kurtenbach) 605-928-7446 (Tim Heisinger)	Email Address:	
Has the facility been classified as a Major?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

II. FACILITY DESCRIPTION

Detailed Treatment Facility Description:

The facility consists of a gravity flow collection system to a six-acre bi-level stabilization pond that was constructed in 1968. The pond has an overflow discharge structure that was sealed in 1997. The system treats domestic wastewater for a population of 163 and one major industry, a cheese factory.

County:	Hutchinson	Legal Description:	S 1/2 of Section 7, T100N, R60W	
Latitude:	43.488975	Longitude:	-97.986490	GPS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does the Permittee treat primarily domestic wastewater?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

List all Industries served by the treatment facility, along with a brief description, if known:

Cheese factory (0.6% of total flow)

III. RECEIVING STREAM

Receiving Stream:	South Fork of Twelve Mile Creek
Beneficial Uses:	<input type="checkbox"/> (1) Domestic Water Supply Waters <input type="checkbox"/> (2) Coldwater Permanent Fish Life Propagation Waters <input type="checkbox"/> (3) Coldwater Marginal Fish Life Propagation Waters <input type="checkbox"/> (4) Warmwater Permanent Fish Life Propagation Waters <input type="checkbox"/> (5) Warmwater Semipermanent Fish Life Propagation Waters <input checked="" type="checkbox"/> (6) Warmwater Marginal Fish Life Propagation Waters <input type="checkbox"/> (7) Immersion Recreation Waters; <input checked="" type="checkbox"/> (8) Limited-Contact Recreation Waters <input checked="" type="checkbox"/> (9) Fish and Wildlife Propagation, Recreation, & Stock Watering Waters <input checked="" type="checkbox"/> (10) Irrigation Waters <input type="checkbox"/> (11) Commerce & Industry Waters
Other Downstream Waterbodies/Uses/Distances:	Lake Dimock (5,7,8,9)

IV. PERMIT ISSUANCE INFORMATION

Has the Facility discharged in the last five years?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
If Yes, explain the circumstances and attach a summary of the monitoring data:			
Additional Comments:	Enzymes were added to the pond.		
Is the Permittee eligible for coverage?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Application Received Date:	1/18/2011	Date Coverage Granted:	10/01/2011
Reviewer's Name:	Elizabeth Schultz	Title:	Surface Water Quality Intern
Reviewer's Signature:		Date:	6/3/2011

WRAP REVIEW SHEET
SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: LAKE MADISON SANITARY DISTRICT

Project Title:	Lift Stations and Force Main Improvements
Funding Requested:	\$428,000
Other Proposed Funding:	None
Total Project Cost:	\$428,000
Project Description:	<p>The southeast corner of Lake Madison Sanitary District's (LMSD) sanitary sewer system is being overloaded due to high growth rates. LMSD is proposing to increase their capacity of the sanitary sewer system to meet the current and future design flows by replacing 7,800 feet of current 3-inch forcemain with 6-inch forcemain and upgrade three overloaded lift stations.</p>
Alternatives Evaluated:	<p>"South Side Force Main" alternative evaluated increasing capacity by replacing 7,800 feet of 3-inch forcemain with 6-inch forcemain and making necessary upgrades and replacement of three lift stations. This alternative was evaluated and selected as it was the most cost effective.</p> <p>"North Side Force Main" alternative would involve the addition of 19,500 feet of 6-inch forcemain to pump the current flow to a separate lift station. This alternative was evaluated but not selected as it was not cost effective.</p> <p>"Add Area Lift Station" alternative would add lift stations necessary to reduce head loss due to friction for current flows. This alternative was evaluated but not selected as it did not address issues with the undersized forcemain for future conditions.</p> <p>"Upgrade Area Lift Station 14-S" alternative would add a high head grinder pump to area lift station 14-S. This alternative was evaluated but not selected as it did not effectively address the issues with the sanitary sewer system</p>
Implementation Schedule:	<p>The Lake Madison Sanitary District anticipates bidding the project in February 2016 with a project completion date of July 2016.</p>
Service Population:	1,902

Current Domestic Rate: \$36.00 flat rate

Proposed Domestic rate at Project Completion \$36.00 flat rate

Interest Rate: 3.25% Term: 30 years Security: Wastewater Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount:	If all funding is provided as loan, Lake Madison Sanitary District would have 176% coverage based on the current flat rate of \$36.00.
----------------------------------	--

50% Funding Subsidy:	\$214,000 subsidy with a loan of \$214,000
Coverage at 50% Subsidy:	Based on a 50% subsidy and a loan of \$214,000 Lake Madison Sanitary District would have 351% coverage based on the current flat rate of \$36.00.

ENGINEERING REVIEW COMPLETED BY: NICK NELSON

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

Professional Consultants

Application Prepared By: First District

Contact Person: Gregory J. Maag

Mailing Address: PO Box 1207

City, State, and Zip: Watertown, SD 57201

Telephone Number: 605-882-5115

Fax: 605-882-5049

Email address: greg@1stdistrict.org

Consulting Engineering Firm: Schmitz, Kalda & Associates

Contact Person: Kim J. Buell

Mailing Address: 320 N. Main Avenue, Suite C

City, State, and Zip: Sioux Falls, SD 57104-6055

Telephone Number: 605-332-8241

Fax: 605-332-0116

Email address: kbuell@schmitzkalda.com

Legal Counsel's Firm: Lammers Kleibacker, LLP

Contact Person: Jerome Lammers

Mailing Address: PO Box 45, 108 N. Egan Avenue

City, State, and Zip: Madison, SD 57042

Telephone Number: 605-256-6677

Fax: 605-256-6679

Email address: jb87d@lammerskleibacker.com

Bond Counsel's Firm: Meierhenry Sargent, LLP

Contact Person: Todd Meierhenry

Mailing Address: 315 S. Phillips Avenue

City, State, and Zip: Sioux Falls, SD 57104

Telephone Number: 605-336-3075

Fax: 605-336-2593

Email address: todd@meierhenrylaw.com

Budget Sheet

Cost Classification	A CWSRF/ CWFCP	B	C	D	E	Total Funds
1. Administrative Expenses						
A. Personal Services						
B. Travel						
C. Legal & Bond Counsel	\$4,600					\$4,600
D. Other						
2. Land, Structure, Right-of-Way						
3. Engineering						
A. Bidding and Design Fees	\$33,600					\$33,600
B. Project Inspection Fees	\$20,200					\$20,200
C. Other						
4. Construction & Improvements	\$336,000					\$336,000
5. Equipment						
6. Contractual Services						
7. Other						
8. Other						
9. Subtotal (Lines 1-8)	\$394,400					\$394,400
10. Contingencies	\$33,600					\$33,600
11. Total (Lines 9 and 10)	\$428,000					\$428,000
12. Total %	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Proposed Method of Financing

	Secured Funds	Unsecured Funds	Date Unsecured Funds Anticipated
Local Cash(Identify Source)			
Other (Explain) CWSRF		\$428,000	September 24, 2015
Other (Explain)			
Other (Explain)			
Total		\$428,000	\$428,000

Other Funds to be Borrowed

	Amount	Rate	Term	Annual Debt Service	Security or Collateral Pledged
Other					
Other					
Other					

Please attach copies of commitment letters that contain specific terms and conditions for each source of financing.

General Information

The month and day your fiscal year begins: January 1

Population Served Current: 1,902 2010 1,840 2000 1,418

Top three employers within 30 miles	Number of Employees	Type of Business
<u>Manitou Group</u>	<u>305</u>	<u>Manufacturing</u>
<u>DSU</u>	<u>254</u>	<u>Education</u>
<u>Madison Community Hospital</u>	<u>171</u>	<u>Health Care</u>

Repayment Information

Interest rate you are applying for: 3.25% Term: 30

What security is being pledged toward the repayment of this loan?
(Political Subdivisions Only)

- 1. General Obligation Bond (Requires Bond Election)
- 2. Revenue Bond
- 3. Project Surcharge Revenue Bond
- 4. Sales Tax Revenue Bond

Documents That Must Be Submitted With The Application

Financial Documents

1. Most recent audited or unaudited financial statements to include specific accounting for the wastewater fund.
2. Current year's budget for the wastewater fund.
3. Amortization schedules for all existing debt secured by proposed revenue pledged.

Planning and Legal Documents

1. Current governing user charge ordinance or resolution and its effective date.
2. Resolution of authorized signatory for submission of the Sanitary/Storm Sewer Facilities Funding application and signing of payment requests. This resolution must also include the maximum amount requested and description of proposed project.
3. Documentation that the applicant has an active registration on the Federal System for Award Management (SAM) database.
(<https://www.sam.gov>)
4. Facilities Plan.
5. Cultural Resources Effects Assessment Summary.

Items 6-8 apply to Non-profit Entities only

- 6. By-laws.
- 7. Articles of Incorporation.
- 8. Certificate of Good Standing from Secretary of State.

Wastewater Fund Debt Information

Year	2005				
Purpose	Lagoon Improvements				
Security Pledged	System Revenues				
Amount	\$608,752				
Maturity Date (mmm/yyyy)	Jan/2025				
Debt Holder	BWNR				
Debt Coverage Requirement	110%				
Avg. Annual Required Payment	\$42,770				
Outstanding Balance	\$359,555				

Comments:

Wastewater Fund Cash Flow Information

Negative cash should be in (Decrease) format	Prior Year	Prior Year	Current Year	Future Year	Future Year	Future Year
Fiscal Year	2013	2014	2015	2016	2017	2018
Operating Revenue						
Base Fees	\$361,819	\$363,674	\$354,240	\$354,240	\$354,240	\$354,240
Surcharge Fees	0	0	0	\$9,840	\$39,360	\$39,360
Other (Explain)	\$74,852	\$42,453	\$53,640	\$414,440	\$20,040	\$20,040
Operating Expenses						
Personal Services	(\$198,554)	(\$208,847)	(\$175,180)	(\$180,000)	(\$185,400)	(\$190,000)
Chemical, Material & Supplies	(\$20,098)	(\$19,684)	(\$16,400)	(\$16,900)	(\$17,400)	(\$17,900)
Electric & Other Utilities	(\$46,292)	(\$49,812)	(\$46,000)	(\$47,400)	(\$48,800)	(\$50,250)
Other (Explain)	(\$37,519)	(\$33,235)	(\$43,700)	(\$45,010)	(\$46,350)	(\$47,700)
Operating Net Cash	\$134,206	\$94,548	\$126,600	\$489,210	\$115,690	\$107,790
Nonoperating Cash Flow						
Interest Revenue	\$1,446	\$972	\$1,500	\$1,500	\$1,500	\$1,500
Transfers In (Explain)						
Fixed Asset Purchases	(\$21,609)	(\$35,369)				
Transfers Out (Explain)						
Principal Debt Payments	(\$28,525)	(\$29,536)	(\$30,318)	(\$31,393)	(\$43,031)	(\$44,530)
Interest Debt Payments	(\$14,245)	(\$13,233)	(\$12,451)	(\$11,376)	(\$25,893)	(\$24,394)
Other (Explain)			(\$33,600)	(\$394,400)		
Nonoperating Net Cash	(\$62,932)	(\$77,166)	(\$74,870)	(\$435,670)	(\$67,424)	(\$67,424)
Increase (Decrease) Cash	\$71,274	\$17,382	\$51,730	\$53,540	\$48,266	\$40,366
Beginning Cash Balance	\$349,884	\$421,158	\$438,540	\$490,271	\$543,811	\$592,078
Ending Cash Balance	\$421,158	\$438,540	\$490,271	\$543,811	\$592,078	\$632,444
Restricted Balance	0	0	0	0	0	0
Unrestricted Balance	\$421,158	\$438,540	\$490,271	\$543,811	\$592,078	\$632,444

Additional Comments (Explanations)

Other Revenues-Sewer Inspection fees, Connection fees, Miscellaneous fees and 2015-2016 SRF Loan Funds
 Other Operating Expenses-Legal, Accounting, Engineering, Publishing, Rentals, Repair/Maintenance, Travel, Vehicles, License/Permits/Fees/Dues and Testing.
 Other Non-operating Net Cash-Project Costs

Restricted Funds Breakdown:

<u>Amount</u>	<u>Anticipated Expense</u>	<u>Method Used to Encumber</u>
	N/A	

Wastewater Fees:

** Attach current and proposed rate ordinances or resolutions and rate schedules.

Municipal or Sanitary District - monthly rates at 5,000 gallons (670 cubic feet)

Other Community System - monthly rates at 7,000 gallons (935 cubic feet)

Check one: Incorporated Municipality or Sanitary District
 or
 Other Community System

Monthly	Current Rate	Proposed Rate	# of Accounts	Average use Gallons/Cubic Feet
Domestic	\$36.00	\$40.00	806	not metered
Business	\$36.00	\$40.00	14	not metered
Other:				
Other:				

Are fees based on usage or flat rate? flat fee

When is proposed fee scheduled to take effect? September 2016

When did the current fee take effect? January 2012

What was the fee prior to the current rate? 30.00

Storm Sewer Projects Only: Does applicant have a separate storm water fee? N/A

If yes, attach the current and proposed rate ordinances or resolutions and rate schedules.

Two Largest Customers	Type of Business	% of System Revenue
<u>Lake Shore RV Resort</u>	<u>RV Resort</u>	<u>2.5%</u>
<u>Grandview Apartments</u>	<u>Housing</u>	<u>0.6%</u>

Facilities Plan Checklist

Before submitting the application, please take a few moments to complete the following checklist. Addressing these items prior to submitting the application will expedite the review process.

Clean Water Facilities Plan document can be found at <http://denr.sd.gov/dfta/wwf/cwsrf/sanstsewerfunding.aspx>

Checklist of SRF Facilities Plan Requirements

Have the following items been addressed?

- ◆ Submission of a Facilities Plan to the department that addresses those items found in the Wastewater Facilities Plan document.
- ◆ A public hearing held discussing the project and the use of an SRF loan to finance the project.
- ◆ Minutes of the public hearing prepared and submitted to the department's engineer for inclusion into the final Facilities Plan.
- ◆ The affidavit of publication of the public hearing received and submitted to the department's engineer for inclusion into the final Facilities Plan.
- ◆ The four review agencies contacted and responses received for inclusion into the final Facilities Plan.
- ◆ The Cultural Resources Effects Assessment Summary and supporting documentation, such as an archaeological survey or Historic Register database search.

Certification of Point Source Needs Categories

Identify the loan amount associated with the needs categories described below. If the loan addresses needs in more than one category, please break down the total amount into estimated amounts for each category.

Category	Definition	Loan Amount
I	<p><u>Secondary Treatment and Best Practicable Wastewater Treatment Technology.</u> Costs for facilities to achieve secondary levels of treatment, regardless of the actual treatment levels required at the facility site. Incremental costs for treatment levels above secondary are to be reported in Category II. For purposes of the Survey, "best practicable wastewater treatment technology" and secondary treatment are considered synonymous. Identified alternative conveyance systems (e.g., small diameter gravity, pressure and vacuum sewers) are to be included in Category I.</p>	_____
II	<p><u>Advanced Treatment.</u> Incremental costs above secondary treatment for facilities which require advanced levels of treatment. This requirement generally exists where water quality standards require removal of such pollutants as phosphorus, ammonia, nitrates, or organic and other substances. In addition, this requirement exists where removal requirements for conventional pollutants exceed 85 percent.</p>	_____
III A	<p><u>Infiltration/Inflow Correction.</u> Costs for correction of sewer system infiltration/inflow (I/I) problems. Costs should also be reported for the preparation of preliminary I/I analysis or for a detailed sewer system evaluation survey.</p>	_____
III B	<p><u>Major Sewer System Rehabilitation.</u> Replacement and/or major rehabilitation of existing sewer systems. Costs are reported if the corrective actions are necessary to the total integrity of the system. Major rehabilitation is considered to be extensive repair of existing sewer beyond the scope of normal maintenance programs (i.e., where sewers are collapsing or structurally unsound).</p>	<p>_____</p> <p>\$428,000</p>

Category	Definition	Loan Amount
IV A	<u>New Collectors and Appurtenances.</u> Costs of construction of new collector sewer systems and appurtenances designed to correct violations caused by raw discharges or seepage to waters from septic tanks, or to comply with Federal, State, or local actions.	_____
IV B	<u>New Interceptors and Appurtenances.</u> Costs for new interceptor sewers and pumping stations necessary for the bulk transmission of clean water.	_____
V	<u>Correction of Combined Sewer Overflows.</u> Costs for facilities, including conveyance, storage, and treatment, necessary to prevent and/or control periodic bypassing of untreated wastes from combined sewers to achieve water quality objectives and which are eligible for Federal funding. It does not include treatment and/or control of storm waters in separate storm and drainage systems.	_____
VI	<u>New Construction or Rehabilitation of Storm Sewer Systems and Appurtenances.</u> Costs of new construction or rehabilitation associated with the bulk transmission or detention of storm sewer flows. This category includes only runoff projects in communities with Phase I or Phase II storm water permits.	_____
TOTAL:		\$428,000

Gary Avise, Chairman

Name & Title of Authorized Representative

Gary Avise

Signature of Authorized Representative

6-26-15

Date

Certification of Nonpoint Source Needs Categories

Identify the loan amount associated with the needs categories described below. If the loan addresses needs in more than one category, please break down the total amount into estimated amounts for each category.

Category	Definition	Loan Amount
VII A	<u>NPS pollution - agricultural activities.</u> Plowing, pesticide spraying, irrigation, fertilizing, planting, and harvesting. Example BMPs include conservation tillage, nutrient management, and irrigation water management.	_____
VII B	<u>NPS pollution - animal production.</u> Confined animal facilities and grazing. Example BMPs include animal waste storage, animal waste nutrient management, composting, and planned grazing.	_____
VII C	<u>NPS pollution - forestry.</u> Removal of streamside vegetation, road construction and use, timber harvesting, and mechanical preparation for the planting of trees. Example BMPs include pre-harvest planting, streamside buffers, road management, and revegetation of disturbed areas.	_____
VII D	<u>NPS pollution - new or existing development in urban or rural setting.</u> Erosion, sedimentation, and discharge of pollutants (e.g. inadequately treated wastewater, oil grease, road salts, and toxic chemicals) into water resources from construction sites, roads, bridges, parking lots, and buildings. Example BMPs include wet ponds, construction site erosion and sedimentation controls, sand filters, and detention basin retrofit. This category includes only runoff projects in communities without Phase I or Phase II storm water permits.	_____
VII E	<u>NPS pollution - ground water protection.</u> Wellhead and recharge protection areas. Activities attributed to specific causes are included in a later, more specific category.	_____
VII F	<u>NPS pollution - boating and marinas.</u> Poorly flushed waterways, boat maintenance activities, discharge of sewage from boats, and physical alteration of shoreline, wetlands, and aquatic habitat during operation or construction of a marina. Example BMPs include pump out systems and oil containment booms.	_____

Category	Definition	Loan Amount
VII G	<u>NPS pollution - mining and quarrying activities.</u> Example BMPs detention berms and seeding or revegetation.	_____
VII H	<u>NPS pollution - abandoned, idle, and under used industrial sites.</u> All pollution control activities at these sites regardless of activity. Example BMPs include ground water monitoring wells, in situ treatment of contaminated soils and ground water, capping to prevent storm water infiltration, and storage tank activities at brownfields.	_____
VII I	<u>NPS pollution - tanks designed to hold chemicals, gasoline, or petroleum products.</u> Tanks may be located either above or below ground. Example BMPs include spill containment, in situ treatment of contaminated soils and ground water, and upgrade, rehabilitation, or removal of petroleum/chemical storage tanks.	_____
VII J	<u>NPS pollution - sanitary landfills.</u> Example BMPs include leachate collection or on-site treatment, gas collections and control, and capping and closure.	_____
VII K	<u>NPS pollution - channel modification, dams, streambank and shoreline erosion, and wetland or riparian area protection or restoration.</u> Example BMPs include conservation easements, swales or filter strips, shore erosion control, wetland development and restoration, and bank and channel stabilization.	_____
VII L	<u>NPS pollution - rehabilitation or replacement of individual or community sewerage disposal system.</u> Construction of collector sewers to transport wastes to a cluster septic tank or other decentralized facilities. Collection sewers and expansion of existing or construction of new centralized treatment facilities that replace individual or community sewerage disposal system are included on Point Source Category table.	_____

TOTAL: _____

Name & Title of Authorized Representative

Signature of Authorized Representative

Date

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forger, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 U.S.C. § 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Gary Avise, Chairman

Name & Title of Authorized Representative

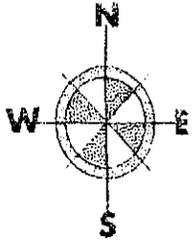
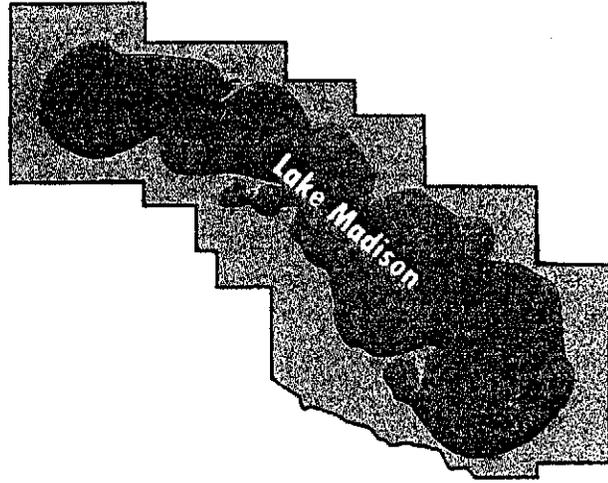
Gary Avise
Signature of Authorized Representative

6-26-15
Date

I am unable to certify to the above statements. Attached is my explanation

Lake Madison Sanitary District

P.O. Box 123
Madison, SD 57042



Lake Madison Sanitary District
2015 Budget

REVENUES

Sewer Charges	\$354,240.00
Sewer Inspection	\$40.00
Connection Fees	\$20,000.00
Interest	\$1,500.00
TOTAL REVENUES	\$375,780.00

EXPENSES

Directors	\$2,100.00
Salary Wages	\$160,680.00
Employer FICA	\$12,000.00
SD Unemployment	\$600.00
Employer SD Retirement	\$9,640.00
Insurance	\$25,000.00
Legal	\$3,000.00
Accounting	\$9,200.00
Publishing	\$500.00
Rentals	0
Repair & Maintenance	\$16,000.00
Office Supplies	\$6,000.00
Shop Supplies	\$10,400.00
Travel & Conference	\$1,000.00
Vehicle Expense	\$7,000.00
Telephone	\$4,000.00
Electricity	\$43,000.00
Rural Water	\$500.00
Propane Gas	\$1,500.00
Water Testing	\$1,000.00
License, Permits, Dues	\$3,000.00
Interest Expense & Debt Reduction	\$42,770.00
Surplus / Depreciation	\$16,890.00
TOTAL EXPENSES	\$375,780.00

ORDINANCE NO. 33

AN ORDINANCE TO AMEND ORDINANCE NO. 3, AS PREVIOUSLY AMENDED, AND ORDINANCE NO. 5, AS PREVIOUSLY AMENDED, OF LAKE MADISON SANITARY DISTRICT, LAKE COUNTY, SOUTH DAKOTA, HEREINAFTER DESIGNATED AS "LMSD," ESTABLISHING CHARGES OR RATES FOR CONNECTION TO AND USE OF THE WASTEWATER SYSTEM OF LMSD BY CERTAIN USERS.

BE IT ORDAINED AND ENACTED BY THE BOARD OF TRUSTEES OF THE LAKE MADISON SANITARY DISTRICT BOARD, HEREINAFTER DESIGNATED AS "BOARD:"

SECTION 1.

That Section 2, Property Owner, of LMSD Ordinance No. 3 be further amended by adding and inserting a third paragraph (C) and fourth paragraph (D) as follows:

- A. Residential Users: The property owner shall pay a connection fee in the sum of \$5,000.00 for one connection to the wastewater system, and \$1,500.00 for additional connections to the wastewater system on the same or adjacent property.
- B. Non-Residential Users: The property owner shall pay a connection fee in the sum of \$5,000.00, plus \$600.00 per dwelling unit, upon connection to the wastewater system.
- C. Sale of Separate Structures: If the property owner of a separate structure or structures on the same or adjacent property shall sell or otherwise transfer a separate structure on the same or adjacent

property, a separate connection fee shall be required to be paid for the structure sold or otherwise transferred at the then existing rate, with credit given to the property owner for any prior connection fee paid by the property owner or a successor property owner for the separate structure. This additional payment shall not apply to sale or transfer of the primary residence only.

- D. Enforcement of Existing Agreements: Existing agreements between LMSD and property owners providing for additional connection fees or monthly user fees shall be construed and enforced according to the rates existing at the time any given agreement shall be enforced.

SECTION 2.

That Section 7, User's Wastewater Rates and Charges, of LMSD Ordinance No. 5, be further amended by adding thereto subparagraph (5) as follows:

- (5) Existing agreements between LMSD and its customers providing for additional connection fees or monthly user fees shall be construed and enforced according to the rates existing at the time any given agreement shall be enforced.

SECTION 3.

- A. This Ordinance shall be in full force and effect from and after its passage, approval, recording and publication as required by law.

B. Passed and adopted by the Board of Trustees of LMSD on the 11th day
of November, 2014, by the following vote:

Ayes: 3 : namely Avise, James and Jamison

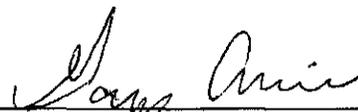
Nayes: 0 : namely _____

Passed First Reading: October 14, 2014

Passed Second Reading: November 11, 2014

Adopted: November 11, 2014

Published: November 18, 2014

By: 
Gary Avise, President

ATTEST:


Linda Aus, Clerk

ORDINANCE NO. 29

AN ORDINANCE TO AMEND ORDINANCE NO. 5, AS PREVIOUSLY AMENDED, AND ORDINANCE NO. 27, OF THE LAKE MADISON SANITARY DISTRICT, LAKE COUNTY, SOUTH DAKOTA, HEREINAFTER DESIGNATED AS "LMSD," ESTABLISHING CHARGES FOR CERTAIN USERS.

BE IT ORDAINED AND ENACTED BY THE BOARD OF TRUSTEES OF THE LAKE MADISON SANITARY DISTRICT BOARD, HEREINAFTER DESIGNATED AS "BOARD:"

SECTION 1.

That Section 7, (1)(a) and (b) and 2(a) of LMSD Ordinance No. 5, as previously amended, be further amended as follows:

(1) "Residential Users" shall be billed monthly. Residential Users are considered to be one class of user and are assessed a charge of \$36.00 per month. ~~Non-Residential~~ Users with a flow no greater than the average Residential User's flow of 10,000 gallons per month and with BOD and TSS no greater than the average Residential User's strength of 200 ppm BOD and 250 ppm TSS will pay the same charge of \$36.00 per month as the average Residential User.

(a) There shall be no separate or additional monthly charges for a separate structure(s) owned by the same user and located upon the same or adjacent property owned by the user.

(b) If the user and owner of separate structures on the same or adjacent property shall sell or lease a separate structure on the same or adjacent property, a separate monthly charge shall be required for the structure sold or leased.

(2) Non-Residential Users shall be billed monthly.

(a) Non-Residential Users are considered to be one class of user and are assessed a base charge of \$36.00 per month per hookup.

(b), (c), (d), (e), and (f) are not amended.

SECTION 2.

That Section 7, (4) of LMSD Ordinance No. 5, as previously amended, be further amended as follows:

(4) A Residential User or a Non-Residential User whose monthly billing is \$36.00 may pay LMSD the lump sum of \$396.00 in advance for a subsequent twelve-month period, in lieu of making monthly payments.

SECTION 3.

A. This Ordinance shall be in full force and effect from and after January 1, 2012.

B. Passed and adopted by the Board of Trustees of LMSD on the 8th day of November, 2011, by the following vote:

Ayes: 3 : namely Jamison, Hilde and Avise

Nays: 0 : namely _____

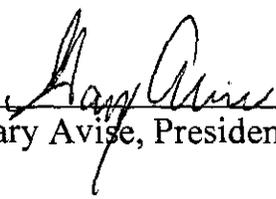
Passed First Reading: October 11, 2011

Passed Second Reading: November 8, 2011

Adopted: November 8, 2011

Published: November 16, 2011

ATTEST:

By: 
Gary Avise, President


Linda Aus, Clerk

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA }
County of Lake } ss.

Sue Anne Artko of the City of Madison, County of Lake, State of South Dakota, being first duly sworn on oath, deposes and says:

The Madison Daily Leader is a daily legal newspaper of general circulation, printed and published in the City of Madison, in said County of Lake, by Hunter Publishing, Inc., Jon M. Hunter, publisher, and has been such legal newspaper during the times hereinafter mentioned; that the said Madison Daily Leader has been in existence as such legal newspaper for more than one year prior to the publication of the notice hereunto attached, and has during all of said time had, and how has, more than 200 bona fide subscribers; that the undersigned, the affiant, is the Secretary of the said newspaper, in charge of the advertising department thereof and has personal knowledge of all the facts stated in this affidavit and the advertisement headed

Lake Madison Sanitary District

Notice of Public Hearing/Wastewater Improvement Project

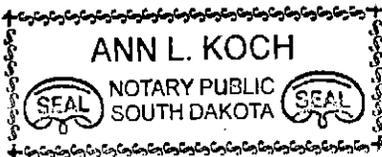
printed copy of which hereunto attached, was printed and published in the said newspaper for One successive weeks, once each week and on the same day of the week, on the following dates, to-wit:

- On Friday, the 5th day of June, 2015;
On ... day of ... 20...;

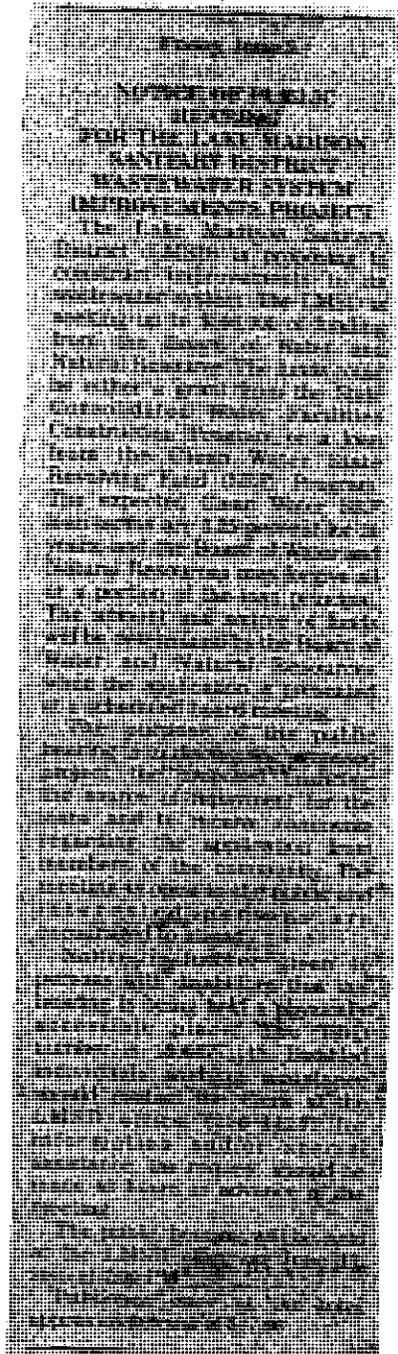
That \$ 17.66 being the full amount of the fees for publication of the attached notice inures solely for the benefit of the publisher of the said newspaper; that no arrangement or understanding for a division thereof has been made with any other person and that no part thereof has been agreed to be paid to any other person whomsoever.

Sue Anne Artko (Signature)

Subscribed and sworn to before me this 8th day of June, 2015



Ann L. Koch (Signature)
Notary Public, Lake County, South Dakota



Publication Fees \$
Notary Fees \$
Total \$

Received Payment,
.....

RESOLUTION NO. 15-01

RESOLUTION AUTHORIZING AN APPLICATION FOR FINANCIAL ASSISTANCE, AUTHORIZING THE EXECUTION AND SUBMITTAL OF THE APPLICATION, AND DESIGNATING AN AUTHORIZED REPRESENTATIVE TO CERTIFY AND SIGN PAYMENT REQUESTS.

WHEREAS, the Lake Madison Sanitary District (the "District") has determined it is necessary to proceed with improvements to its Wastewater System (the "Project"); and

WHEREAS, the District has determined that financial assistance will be necessary to undertake the Project and an application for financial assistance to the South Dakota Board of Water and Natural Resources will be prepared; and

WHEREAS, it is necessary to designate an authorized representative to execute and submit the Application on behalf of the District and to certify and sign payment requests in the event financial assistance is awarded for the Project,

NOW THEREFORE BE IT RESOLVED by the District as follows:

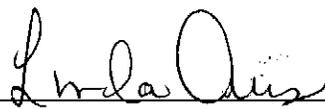
1. The District hereby approves the submission of an Application for financial assistance in an amount not to exceed \$500,000 to the South Dakota Board of Water and Natural Resources for the Project.
2. The Chairman is hereby authorized to execute the Application and submit it to the South Dakota Board of Water and Natural Resources, and to execute and deliver such other documents and perform all acts necessary to effectuate the Application for financial assistance.
3. The Chairman is hereby designated as the authorized representative of the District to do all things on its behalf to certify and sign payment requests in the event financial assistance is awarded for the Project.

Adopted at Madison, South Dakota, this 17th day of June 2015.

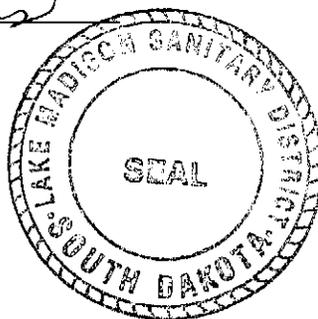
APPROVED:



LMSD Chairman

(Seal)
Attest: 

LMSD Clerk



LAKE MADISON SANITARY DISTRICT
JUNE 17, 2015
MINUTES

PUBLIC HEARING

A Public hearing was held at 7:00 pm, on June 17, 2015 for the purpose of allowing open discussion of the proposed project, and the proposed financing and source of repayment for a loan of up to \$ 500, 000.00. The hearing was advertised in the Madison Daily Leader ten days prior to this hearing. Present were Gary Avise, Steve James, Scott Jamison, Jerome Lammers, Kim Buell of Schmitz, Kalda Inc. Greg Maag of the First District Association, Scott Johnson and Linda Aus.

Chairman Avise opened the floor for verbal comments. None were received. Chairman Avise then asked for any written comments and none were received. Kim Buell explained the proposed upgrade of several lift stations and replacement of existing force main that is need to resolve issues with the wastewater collection system. Buell reported the State Water Facilities Plan Application has been summited and that the Lake Madison Sanitary District has been placed on the Board of Water and Natural Resources agenda for June 25, 2015 in Pierre for consideration. Maag lead a discussion of the proposed loan and repayment budget identified that customer rates will need to be raised to meet loan payment requirements. The amount of the fee will be dependent upon the final loan amount. The proposed plan is to start the construction and loan schedule in 2016. It was moved by Jamison and seconded by James and carried unanimously, that the following Resolution 15-01 be adopted; Resolution authorizing an application for financial assistance, authorizing the execution and submittal of the application, and designating an authorized representative to certify and sign payment requests. Chairman Avise declared the public hearing closed.

The monthly meeting was called to order on June 17, 2015. Board members present were Gary Avise, Steve James and Scott Jamison. Also present were Jerome Lammers, Scott Johnson and Linda Aus. The motion to accept the May 12, 2015 minutes was made by James seconded by Jamison, all in favor motion passed. Jamison moved and James seconded to approve the June 17, 2015 financials and disbursement list with ratification of checks # 11471 through # 11505 and the issuance of checks # 11506 through # 11525. Motion passed. Discussion held on Lakes RV Resort. Letter and Ordinances will be sent with bill to owner of lot. Issues with tractor and warranty were discussed. No other business. The board calls an executive session. Board came out of executive session and meeting was adjourned.

Gary Avise, President

Linda Aus, Clerk

State of South Dakota



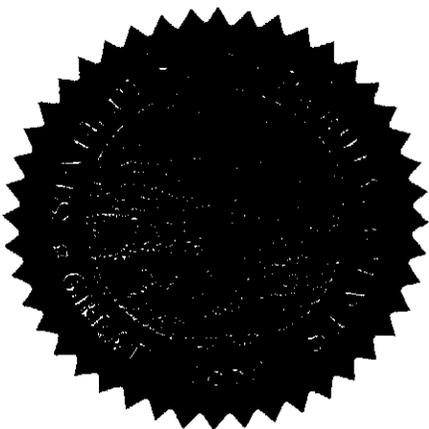
OFFICE OF THE SECRETARY OF STATE

Certificate of Fact

ORGANIZATIONAL ID #: SD000008

I, **Shantel Krebs**, Secretary of State of the State of South Dakota, do hereby certify that **LAKE MADISON SANITARY DISTRICT** was filed with our office on **August 12, 1975** and is still on the active list and has not filed for dissolution with our office.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the Great Seal of the State of South Dakota, at Pierre, the Capital, this June 11, 2015.



Shantel Krebs

Shantel Krebs
Secretary of State

Gmail

More

COMPOSE

Registration Activated for Lake Madison Sanitary District Inc / 049364243 / 7DXQ0

Inbox x

Inbox (9)

samadmin@sam.gov

Jul

Starred

to me, me

Important

This email was sent by an automated administrator. Please do not reply to this message.

Sent Mail

Dear Linda Aus,

Drafts

Congratulations! The registration for Lake Madison Sanitary District Inc / 049364243 / 7DXQ0 is now active in the U.S. federal government's System for Management (SAM). If you did not provide a CAGE code during the registration process, one has been assigned and is provided above.

Circles

You are now eligible for contracts, assistance awards, and to do business with the federal government as determined by your Entity's profile. Important: Update Requirement Date for the registration is 08-JUN-16. You must renew the registration by this date to remain active.

More

In addition, you may continue to invite additional users by following the below steps:

- Login to SAM using a valid Username and Password
- Select "Manage Entity Users" from the left-hand navigation menu
- Select "Invite User" from the left-hand navigation menu
- Select the desired Entity
- Provide invitee's email address
- Assign Role(s) to be associated with the user account
- Click Submit

Linda

All invitees will receive an email message from SAM with instructions on how to complete the process.

For assistance, please contact the Federal Service Desk at www.fsd.gov or by telephone at 888-606-8220 (toll free) or at 334-206-7828 (internationally).

Thank you,
The System for Award Management (SAM) Administrator
<https://www.sam.gov>

No Hangouts Contacts

[Find someone](#)



Click here to [Reply](#) or [Forward](#)

0.02 GB (0%) of 15 GB used
[Manage](#)

[Terms](#) - [Privacy](#)

Last acc...



Log into SAM

Status During Registration

Getting Started

Draft

Work in Progress

Submitted

Active

Inactive / Expired

Additional Resources

What If My Entity Fails Registration?

Federal Service Desk

How to Check Your Registration Status

Find Your Registration in SAM

SAM Status Tracker

Check registration status by typing in a DUNS number.

DUNS Number Plus 4 (Optional)

Or, check registration status by typing in a (N)CAGE Code.

(N)CAGE Code

Lake Madison Sanitary District Inc

Status: Active

Your registration was activated on Jun 10, 2015. It expires on Jun 08, 2016 which is one year after you submitted it for processing.

						
Core Data	Assertions	Reps & Certs	POCs	Submit	Processing	Active
Completed	Not Required	Not Required	Completed	Completed	Completed	Completed

Check Your Registration Status in SAM

You can quickly check your registration status in SAM by entering your DUNS number or (N)CAGE Code. The SAM Status Tracker will show you the current status of the entity associated with that DUNS number or (N)CAGE Code, as well as tell you what steps you have left to complete based on why you are registering.

The SAM Status Tracker uses seven circles to represent the registration process: Core Data, Assertions, Reps & Certs, POCs, Submit, Processing, and Active. Visual indicators in the circles, text underneath the circles, a status message in bold above the circles and user messaging combine to give the registration status.

You will only see results for publicly searchable registration records. Federal government users must log into SAM to search for non-public records.

https://www.sam.gov/SAMPortal/sam/helpPage/SAM_Reg_Status_Help_Page.html

07/08/2015

A decorative border with a repeating geometric pattern of interlocking squares and lines, framing the entire page.

FACILITIES PLAN

LAKE MADISON

SANITARY DISTRICT

2015

Schmitz, Kalda & Associates, Inc.
Consulting Engineers & Land Surveyors
Sioux Falls, South Dakota

FACILITIES PLAN

LAKE MADISON

SANITARY DISTRICT

2015

OWNER: Lake Madison Sanitary District

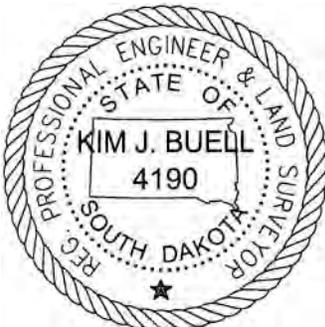
Gary Avise	-	Chairman of the Board
Scott Jamison	-	Board Member
Steve James	-	Board Member
Linda Aus	-	Clerk
Scott Johnson	-	Superintendent
Jerome Lammers	-	Attorney

ENGINEER: Schmitz, Kalda & Associates, Inc.
320 N. Main Avenue
Sioux Falls, SD 57104
Phone (605) 332-8241
Fax (605) 332-0116

Project No. 14180

CERTIFICATION:

I, Kim J. Buell, PE, hereby certify that this Report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of South Dakota.



Date: August 31, 2015

A handwritten signature in cursive script that reads "Kim J. Buell".

Reg. No. 4190

Executive Summary iii

I. Project Development 1-1

A. Project Need and Planning Area Identification..... 1-1

B. Current Conditions 1-1

C. Future Conditions..... 1-1

II. Principal Options..... 2-1

A. Development of Options 2-1

B. Evaluation of Options 2-1

C. Non-Action Option 2-2

D. Evaluation of Monetary Costs..... 2-2

E. Environmental Evaluation 2-3

III. Selected Plan 3-1

A. Justification and Description of Selected Plan..... 3-1

B. Cost Estimates for the Selected Plan..... 3-1

C. User Rate Impacts 3-1

D. Environmental Impacts of Selected Plan 3-1

E. Arrangements for Implementation 3-1

F. Implementation Schedule..... 3-2

IV. Public Participation..... 4-1

A. General 4-1

B. Public Notice..... 4-1

C. Public Hearing 4-1

D. Minutes 4-1

V. Environmental Considerations 5-1

A. Environmental Information..... 5-1

B. Historical and Archaeological Sites..... 5-1

C. Floodplains and Wetlands 5-1

D. Agricultural Lands 5-1

E. Wild and Scenic Rivers..... 5-1

F. Fish and Wildlife Protection 5-1

G. Direct and Indirect Impacts..... 5-1

H. Mitigating Adverse Impacts..... 5-2

APPENDIX

- Documentation of Public Agency Consultation
 - South Dakota State Historical Society, Pierre, SD (pending)
 - U.S. Army Corps of Engineers, Omaha District, Omaha NB
 - Natural Resource Conservation Service, Huron, SD
 - U.S. Fish & Wildlife Service, Pierre, SD
 - S.D. Dept. of Games, Fish and Parks, Pierre, SD
- Minutes of Public Hearing
- Affidavit of Publication for Public Hearing
- Capacity Analysis of MLS 3-S
- Capacity Analysis of ALS 14-S
- Engineer’s Estimate
- Project Cost Summary

LIST OF FIGURES

<u>Number</u>	<u>Title</u>	<u>Page No.</u>
Figure 1	Location Map	follows 1-2

EXECUTIVE SUMMARY

Lake Madison Sanitary District has experience a lot of growth in the southeast corner of the District. The lift station that serves this area is now overloaded from this increased flow. It is not possible to upgrade the pumps in the lift station because of the size of the force main. It is a 3” force main. It does not have the capacity to handle the current and future design flows.

The proposed improvement is to construct 7,800 feet of 6” force main from Main Lift Station 3 South to Area Lift Station 14 South and to upgrade the affected Lift Stations. This will replace the existing 3” force main

The Project Cost is \$428,000.

FACILITIES PLAN

LAKE MADISON SANITARY DISTRICT

I. Project Development

A. Project Need and Planning Area Identification

The District has experienced a lot of growth in the southeast corner of the lake. This area is served by Area Lift Station 14 South (ALS 14-S). This has led to overloading of ALS 14-S on the 4th of July and other weekends and holidays for the past several years.

ALS 14-S was constructed in 2001 as part of the Silver Creek Subdivision on Round Lake. It has dual 5 hp grinder pumps. The discharge is directly to a 3" force main that continues west and discharges into Main Lift Station 3 South (MLS 3-S). It receives the flow from ALS 12-S, ALS 13-S and ALS 15-S.

The project is needed to increase the capacity of ALS 14-S.

The Location of the Proposed Project is shown on Figure 1.

B. Current Conditions

1. Population and Land Use

The current service area for ALS 14-S has 248 dwelling units. The primary land use is residential. The non-residential land uses are a motel and golf course club house. There is no industrial use.

2. Estimate of Flows

The estimated Average Daily Flow is 55,800 gallons per day (gpd).

The estimated Peak Hourly Flow is 155 gallons per minute (gpm).

See the appendix for detailed information on the methodology for the calculation of flows.

3. Current Pump Performance

Based on the current static and dynamic conditions the current pumps can pump 75 gpm maximum. This performance does not meet the Peak Hourly demand of 155 gpm.

C. Future Conditions

1. Population and Land Use Projections

The service area for ALS 14-S is estimated to be 325 dwelling units. Land use is expected to remain the same, primarily residential. Many of the areas are built out and not expected to change.

2. Forecasts of Flows

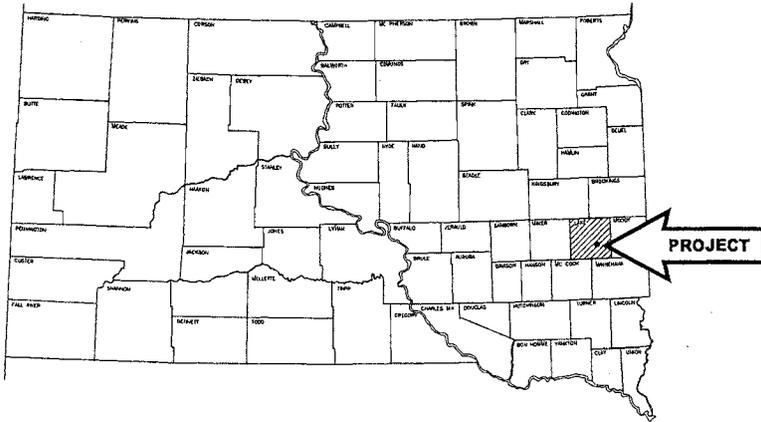
The design Average Daily Flow is 73,125 gallons per day (gpd).

The design Peak Hourly Flow is 203 gallons per minute (gpm).

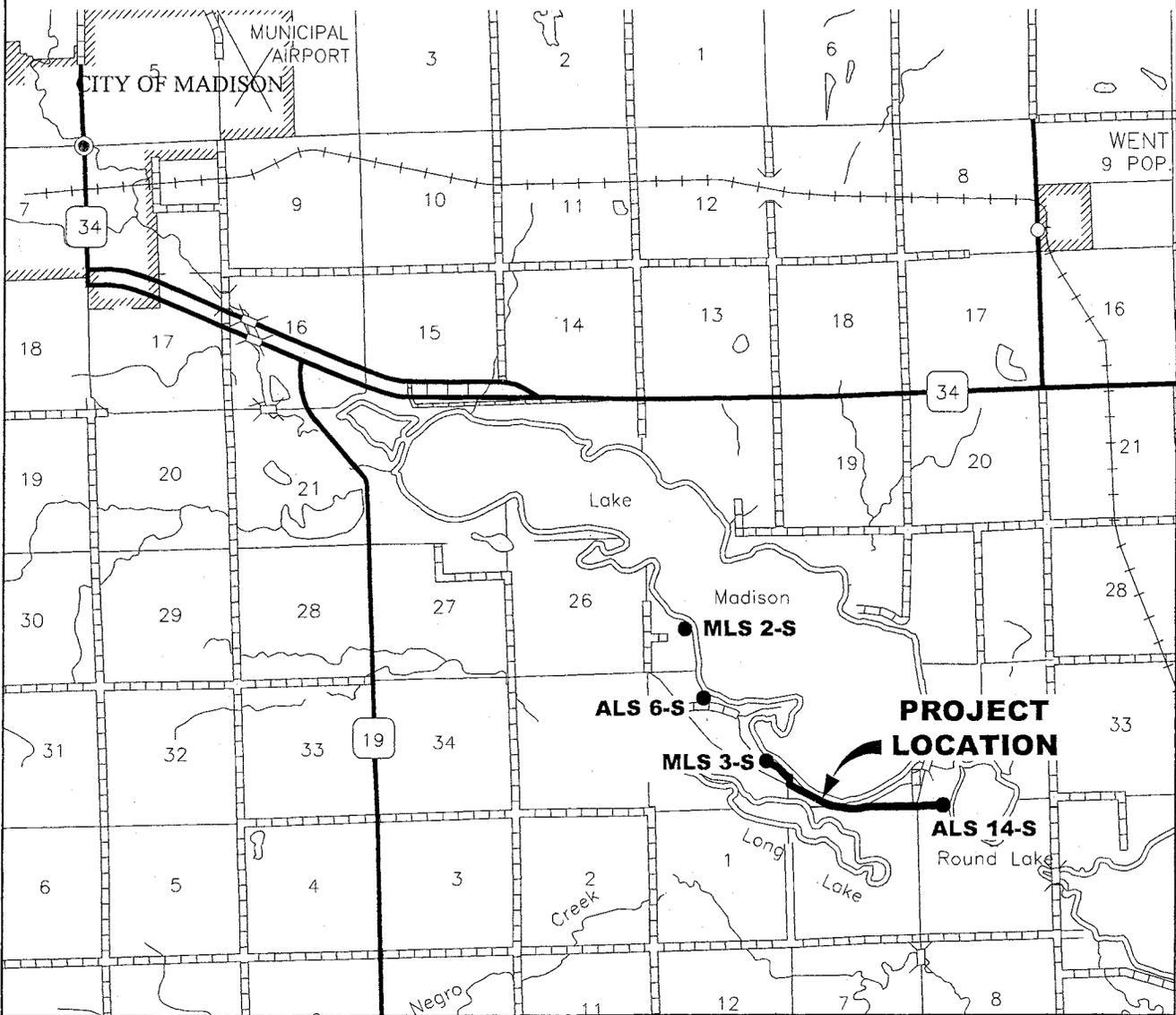
See the appendix for detailed information on the methodology for the calculation of flows.

3. Flow Reduction

Flow reduction is not necessary at this time and is not considered as a part of this project.



PROJECT LOCATION



LAKE MADISON SANITARY DISTRICT

Dated: 6/25/15

SCHMITZ KALDA
AND ASSOCIATES, INC.

LOCATION MAP

FIGURE

1

II. Principal Options

A. Development of Options

1. Option A - South Side Force Main

This option consists of building approximately 7,800 feet of 6" force main to replace the existing 3" force main between ALS 14-S and MLS 3-S.

2. Option B - North Side Force Main

This option consists of building approximately 19,500 feet (3.7 miles) of 6" PVC force main to pump the flow to MLS 3-N.

3. Option C – Add ALS

This option consists of adding one or two area lift stations on the ALS 14-S force main to reduce the head loss due to friction. It would also include upgrading the pumps in ALS 14-S in order to increase the peak flow.

4. Option D – Upgrade ALS 14-S

This option consists of replacing the pumps in ALS 14-S with new pumps.

B. Evaluation of Options

1. Option A - South Side Force Main

A 6" pipe has 4 times the capacity for flow compared to a 3" pipe. The route would generally follow the route of the existing 3" force main. A portion of the route is in an area with many cabins and other utilities. This will make construction in this area difficult and more costly. It is proposed to use trenchless construction in the area where conventional excavation may be unfeasible. This option includes upgrades to MLS 3-S, ALS 6-S and ALS-14S to handle the design flows.

2. Option B - North Side Force Main

This is not a good option. The primary problem with Option B is the excessive head that comes from the topography of the route and from the length of the route. The route would follow existing roads. The elevation head is 118 feet and the friction head is 200 feet which makes TDH = 318 feet. It would require several new lift stations to handle the high head. It also may require upgrades to MLS 3-N and other parts of the north side system downstream. The project cost is very high.

3. Option C – Add ALS

This option could provide flow close to design flow for current conditions. However, the size of the main is still a problem in meeting the design flow for future conditions.

4. Option D – Upgrade ALS 14-S

There are high head grinder pumps available. These pumps are available in 7.5, 10 and 15 horsepower models in heads up to 240 feet. The 7.5 hp pump would provide 95 gpm at 140 ft. TDH, the 10 hp pump would provide 108 gpm at 170 ft. TDH and the 15 hp pump would provide 120 gpm at 200 ft. TDH. This is a short term solution. It doesn't provide design flow for current conditions. However, it could be done in a short timeframe and it is the least cost option.

C. No-Action Option

If no action is taken to construct this project then there is a continued risk of flooding the lift stations. This flooding could contaminate the lake and the groundwater. This could result in health risks to local users and many other environmental problems.

D. Evaluation of Monetary Costs

(only projects that met the design flow for future conditions were evaluated)

1. Total Project Cost

Option A.....	\$428,000
Option B.....	\$832,000

2. Operation and Maintenance Cost

Option A.....	\$174,000
Option B.....	\$482,000

3. Present Worth Analysis

Present worth analysis converts varying annual costs to a present value in order to judge the total economic value of different options. The annual operation and maintenance cost is converted to a present value based on the following assumptions: 1) term of 20 years, and 2) average annual inflation of 3%. It is then added to the project cost to determine the total present worth.

Option A.....	$\$428,000 + \$174,000 = \$602,000$
Option B.....	$\$832,000 + \$482,000 = \$1,314,000$

E. Environmental Evaluation

There is no significant environmental impact of the options.

III. Selected Plan

A. Justification and Description of Selected Plan

The Selected Plan is Option A - South Side Force Main. This option consists of building a 6” force main to replace the existing 3” force main between ALS 14-S and MLS 3-S. It also includes upgrades to MLS 3-S, ALS 6-S and ALS 14-S.

Option A was chosen because it provides the capacity to meet the needs of the current and future population at the lowest initial cost.

B. Cost Estimates for the Selected Plan

The Total Estimated Project Cost for the selected plan is \$428,000 and is summarized below.

Construction Cost (Total Estimated).....	\$336,000
Allowance for Contingencies.....	\$33,600
Administrative, Legal & Bond Counsel.....	\$4,600
Engineering – Design and Bidding Services.....	\$33,600
<u>Engineering – Construction Services.....</u>	<u>\$20,200</u>
Total Estimated Project Cost.....	\$428,000

The detailed breakdown of the construction estimate is shown in the appendix.

C. User Rate Impacts

The financial analysis indicates that the impact to the user rate should be an increase in the range of \$3.00 to \$4.00 per month depending on the funding plan.

D. Environmental Impacts of Selected Plan

There are no significant environmental impacts from the selected plan.

E. Arrangements for Implementation

1. Operation and Maintenance Requirements

This project should have little impact on the operation and maintenance of the system. It generally involves pipelines and lift stations that are currently covered by the District’s staff.

2. Electrical

The upgrades to ALS 14-S will require 3-phase power. 3-phase power is not available at ALS 14-S. It needs to be brought in from the county road. The

estimated cost to do this is \$6,000.

3. Other Permit Requirements, Lake County

A permit for construction within county right-of-way may be required.

F. Implementation Schedule

The following schedule represents the best estimate of implementation given the current status of the project. It will be necessary to update the schedule as the project progresses.

- a. Submit Facilities Plan to DENR for Review June 2015
- b. Obtain Project Financing September 2015
- c. Plans and Specs to DENR by December 2015
- d. Open Bids February 2016
- e. Construction Contract Signed March 2016
- f. Begin Construction April 2016
- g. Complete Construction July 2016

IV. Public Participation

A. General

The facilities planning process requires public participation. A public hearing is held to discuss the project, the proposed financing and subsequent effects on the system users.

B. Public Notice

1. A “Notice of Public Hearing” was published in the Madison Daily Leader on Friday, June 5, 2015. This was 12 days before the Public Hearing.
2. Affidavit – A copy of the Affidavit of Publication is included in the Appendix

C. Public Hearing

1. The Public Hearing was held at the District Office at 7:00 pm on Wednesday, June 17, 2015.
2. Present for the District were: Board Members Gary Avise, Steve James, and Scott Jamison; District Attorney Jerome Lammers, Project Engineer Kim Buell of Schmitz Kalda and Associates, Planner Greg Maag of the First District Association, Superintendant Scott Johnson and Clerk Linda Aus.
3. Present from the Public were: None
4. The following items were discussed at the public hearing:
 - The need for the project;
 - All options that were evaluated, including the cost of each;
 - A description of the proposed project;
 - The proposed financing for the project;
 - The amount of SRF loan expected to be borrowed;
 - The revenue source pledged for repayment;
 - The interest rate and term of the loan; and
 - The effect of the proposed financing on user rates.
5. Verbal Comments: None were received.
6. Written Comments: None were received.

D. Minutes

1. Minutes were kept of the public hearing. A copy of the minutes from the public hearing is included in the appendix.

V. Environmental Considerations

A. Environmental Information

Appropriate agencies were contacted. They were requested to determine whether or not a significant impact would occur regarding issues affecting their area of concern as a result of the proposed construction. Written responses were received from various agencies. Copies are included in the appendix. A summary of the information follows.

B. Historical and Archaeological Sites

This project has been submitted to the DENR for their determination and recommendation to the South Dakota State Historical Society regarding historical and archaeological sites. We are still waiting for their response. A Cultural Resources Reconnaissance Survey may be required.

C. Floodplains and Wetlands

This project has been sent to the Planning Division of the Corps of Engineers, Omaha District. We are waiting for their response.

D. Agricultural Lands

This project has been sent to the Natural Resource Conservation Service. We are waiting for their response.

E. Wild and Scenic Rivers

This project is not located on or near a wild or scenic river.

F. Fish and Wildlife Protection

This project has been sent to the U.S. Fish and Wildlife Service and the S.D. Dept. of Game, Fish and Parks. We are waiting for their response.

G. Direct and Indirect Impacts

1. Land Resources: Construction of the proposed improvements will require excavation, leveling, site grading, and restoration work along the route of the project. Potential adverse environmental impacts during construction include short term localized erosion and airborne dust from the construction site through wind action and heavy equipment use. Erosion and sediment control practices should include both temporary measures such as erosion control barriers and watering and long-term measures such as seeding and grading of properly sloped drainage ways.

2. **Air Resources:** Air quality may be locally degraded by increased particulate levels during excavation and site grading associated with construction of the proposed improvements. Temporary increases in construction equipment emissions are not expected to be significant. Measures should be taken during construction to control excessive airborne dust.
3. **Wildlife Resources:** A stabilization pond should promote local waterfowl production, provided it is operated to maintain an open water surface during the hatching and rearing season. Small mammals and amphibians are also frequent inhabitants of stabilization ponds. In general, stabilization ponds in South Dakota have been shown to form parts of very productive ecosystems.
4. **Cultural Resources:** The proposed improvements are not expected to have any significant adverse short or long-term impact on cultural resources of the area. One potential impact may be the unearthing or covering up of historic or archaeological resources during construction excavation. An archaeological investigation and clearance should be made on the site before any construction begins. In the event that archaeological or historic resources are unearthed during construction the work should be stopped immediately and the proper authorities contacted.
5. **Economic Impact:** Construction should bring a slight economic boost to the area through the hiring of local labor, retail trade by construction employees, and purchase of miscellaneous building supplies and fuel.
6. **No Action Impact:** If no action is taken to construct this project then there is a continued risk of flooding the lift stations. This flooding could contaminate the lake and the groundwater. This could result in health risks to local users and many other environmental problems.

H. Mitigating Adverse Impacts

There does not appear to be any significant adverse impacts for this project.

APPENDIX

APPENDIX

APPENDIX

APPENDIX

APPENDIX

APPENDIX



August 26, 2015

RECEIVED

AUG 27 2015

Division of Financial
& Technical Assistance

Nick Nelson
Department of Environment and Natural Resources
Joe Foss Building
523 East Capitol
Pierre SD 57501-3182

SECTION 106 PROJECT CONSULTATION

Project: 150729003F – Lake Madison Sanitary District – CWSRF C461036-03
Location: Lake County
(EPA/DENR)

Dear Mr. Nelson:

Thank you for the opportunity to comment on the above referenced project pursuant to Section 106 of the National Historic Preservation Act of 1966 (as amended). The South Dakota Office of the State Historic Preservation Officer (SHPO) concurs with your determination regarding the effect of the proposed undertaking on the non-renewable cultural resources of South Dakota.

We have made this decision based on the information provided in your correspondence. Based on the information provided, we concur with your determination of “No Historic Properties Affected” for this undertaking based on the following stipulations. 1) Project activities are confined to previously disturbed areas including any borrow or staging areas. 2) Activities occurring in areas not identified in your request, such as staging areas, material storage areas, and borrow areas, will require the submission of additional documentation pursuant to 36 CFR part 800.4.

Please note that there are burial mounds recorded in the area and South Dakota Codified Law 34-27-26 prohibits knowingly disturb or knowingly permit disturbance of human skeletal remains or funerary objects except a law enforcement officer, coroner or other official designated by law in performance of official duties.

If historic properties are discovered or unanticipated effects on historic properties are found after the agency official has completed the Section 106 process, the agency official shall avoid, minimize or mitigate the adverse effects to such properties and notify the SHPO and Indian

tribes that might attach religious and cultural significance to the affected property within 48 hours of the discovery, pursuant to 36 CFR part 800.13.

Concurrence of the SHPO does not relieve the federal agency official from consulting with other appropriate parties, as described in 36CFR Part 800.2(c).

Should you require additional information, please contact Amy Rubingh at (605) 773-8370. We appreciate your concern for the non-renewable cultural heritage of our state.

Sincerely,

Jay D. Vogt
State Historic Preservation Officer

A handwritten signature in cursive script that reads "Amy Rubingh". The signature is written in black ink and is positioned above the printed name and title.

Amy Rubingh
Review and Compliance Archaeologist

**U.S. Army Corps of Engineers, Omaha District
Planning Division
Attention: CENWO-PM-AE
106 South 15th Street
Omaha, NE 68102-4901**

Comments were solicited on 6/18/2015

No comments were received by 8/31/15 and a 2nd request was sent.

Insert Comments Here When They Are Received



DEPARTMENT OF GAME, FISH, AND PARKS

Foss Building
523 East Capitol
Pierre, South Dakota 57501-3182

July 8, 2015

Ms. Kim Buell, P.E.
Schmitz, Kalda & Associates, Inc.
320 N. Main Ave.
Sioux Falls, SD 57104

**RE: Lake Madison Sanitary District – Wastewater Collection System Improvements
Madison, South Dakota**

Dear Ms. Buell:

The South Dakota Department of Game, Fish and Parks, Division of Wildlife, has reviewed the above project involving improvements to the wastewater collection system on Lake Madison. The existing 3" force main will be replaced by 6" force main to account for increases in usage.

At this time, the project as described will have no impacts on fish and wildlife resources. If you have any questions or if I can be of further assistance, please contact me at 605.773.6208.

Sincerely,


Leslie Murphy
Senior Biologist

**United States Department of Agriculture
Natural Resources Conservation Service
200 Fourth Street SW
Huron, SD 57350-2475
Attn: State Soil Scientist**

Comments were solicited on 6/18/2015

No comments were received by 8/31/15 and a 2nd request was sent.

Insert Comments Here When They Are Received

Schmitz, Kalda & Associates, Inc.
Planning & Development Consultants
Civil Engineers • Land Surveyors

RECEIVED

JUN 22 2015

U.S. FISH & WILDLIFE SERVICE

Telephone (605) 332-8241 • 320 N. Main Ave. • Stouxs Falls, South Dakota 57104 • Fax (605) 332-0116

June 18, 2015

Attn: Field Supervisor
U.S. Dept. of Interior
Fish and Wildlife Service
420 S. Garfield Avenue
Pierre, SD 57501-5408

This constitutes a report of the Department of the Interior prepared in accordance with the Fish and Wildlife Coordination Act (16 U.S.C. 661 et seq.). We have reviewed and have NO OBJECTION to this proposed project.

7/6/15
Date


Field Supervisor

Dear Reader:

The Lake Madison Sanitary District is proposing to construct an improvement to their wastewater collection system. The district is located around Lake Madison which is located southeast of Madison, SD. We hereby solicit your comments on the proposed project.

They are on the State Water Plan and intend to apply for funding for the construction of this project. Your comments will be included in the Facilities Plan prepared as part of their application.

Project Description: The area served by Area Lift Station 14 South has experienced a lot of growth. This has overloaded the force main from Area Lift Station 14 South to Main Lift Station 3 South. It is proposed to replace the existing 3" force main with a new 6" force main. This should provide capacity for current and future flows.

An exhibit showing the project location is included for your review. Please give me a call if there are any questions.

Sincerely yours,
SCHMITZ, KALDA & ASSOCIATES, INC.



Kim J. Buell, PE, LS

tmv

Enc.

LAKE MADISON SANITARY DISTRICT
JUNE 17, 2015
MINUTES

PUBLIC HEARING

A Public hearing was held at 7:00 pm, on June 17, 2015 for the purpose of allowing open discussion of the proposed project, and the proposed financing and source of repayment for a loan of up to \$ 500,000.00. The hearing was advertised in the Madison Daily Leader ten days prior to this hearing. Present were Gary Avise, Steve James, Scott Jamison, Jerome Lammers, Kim Buell of Schmitz, Kalda Inc. Greg Maag of the First District Association, Scott Johnson and Linda Aus.

Chairman Avise opened the floor for verbal comments. None were received. Chairman Avise then asked for any written comments and none were received. Kim Buell explained the proposed upgrade of several lift stations and replacement of existing force main that is need to resolve issues with the wastewater collection system. Buell reported the State Water Facilities Plan Application has been submitted and that the Lake Madison Sanitary District has been placed on the Board of Water and Natural Resources agenda for June 25, 2015 in Pierre for consideration. Maag lead a discussion of the proposed loan and repayment budget identified that customer rates will need to be raised to meet loan payment requirements. The amount of the fee will be dependent upon the final loan amount. The proposed plan is to start the construction and loan schedule in 2016. It was moved by Jamison and seconded by James and carried unanimously, that the following Resolution 15-01 be adopted; Resolution authorizing an application for financial assistance, authorizing the execution and submittal of the application, and designating an authorized representative to certify and sign payment requests. Chairman Avise declared the public hearing closed.

The monthly meeting was called to order on June 17, 2015. Board members present were Gary Avise, Steve James and Scott Jamison. Also present were Jerome Lammers, Scott Johnson and Linda Aus. The motion to accept the May 12, 2015 minutes was made by James seconded by Jamison, all in favor motion passed. Jamison moved and James seconded to approve the June 17, 2015 financials and disbursement list with ratification of checks # 11471 through # 11505 and the issuance of checks # 11506 through # 11525. Motion passed. Discussion held on Lakes RV Resort. Letter and Ordinances will be sent with bill to owner of lot. Issues with tractor and warranty were discussed. No other business. The board calls an executive session. Board came out of executive session and meeting was adjourned.

Gary Avise, President

Linda Aus, Clerk

RESOLUTION NO. 15-01

RESOLUTION AUTHORIZING AN APPLICATION FOR FINANCIAL ASSISTANCE, AUTHORIZING THE EXECUTION AND SUBMITTAL OF THE APPLICATION, AND DESIGNATING AN AUTHORIZED REPRESENTATIVE TO CERTIFY AND SIGN PAYMENT REQUESTS.

WHEREAS, the Lake Madison Sanitary District (the "District") has determined it is necessary to proceed with improvements to its Wastewater System (the "Project"); and

WHEREAS, the District has determined that financial assistance will be necessary to undertake the Project and an application for financial assistance to the South Dakota Board of Water and Natural Resources will be prepared; and

WHEREAS, it is necessary to designate an authorized representative to execute and submit the Application on behalf of the District and to certify and sign payment requests in the event financial assistance is awarded for the Project,

NOW THEREFORE BE IT RESOLVED by the District as follows:

- 1. The District hereby approves the submission of an Application for financial assistance in an amount not to exceed \$500,000 to the South Dakota Board of Water and Natural Resources for the Project.
- 2. The Chairman is hereby authorized to execute the Application and submit it to the South Dakota Board of Water and Natural Resources, and to execute and deliver such other documents and perform all acts necessary to effectuate the Application for financial assistance.
- 3. The Chairman is hereby designated as the authorized representative of the District to do all things on its behalf to certify and sign payment requests in the event financial assistance is awarded for the Project.

Adopted at Madison, South Dakota, this 17th day of June 2015.

APPROVED:

Gary Davis
LMSD Chairman

(Seal)

Attest:

Linda Ous
LMSD Clerk

AFFIDAVIT OF PUBLICATION

Madison Daily Leader 1M

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA }
County of Lake } ss.

Sue Anne Artko of the City of Madison, County of Lake, State of South Dakota, being first duly sworn on oath, deposes and says:

The Madison Daily Leader is a daily legal newspaper of general circulation, printed and published in the City of Madison, in said County of Lake, by Hunter Publishing, Inc. Jon M. Hunter, publisher, and has been such legal newspaper during the times hereinafter mentioned; that the said Madison Daily Leader has been in existence as such legal newspaper for more than one year prior to the publication of the notice hereunto attached, and has during all of said time had, and now has, more than 200 bona fide subscribers; that the undersigned, the affiant, is the Secretary of the said newspaper, in charge of the advertising department thereof and has personal knowledge of all the facts stated in this affidavit and the advertisement headed

Lake Madison Sanitary District

Notice of Public Hearing/Wastewater Improvement Project

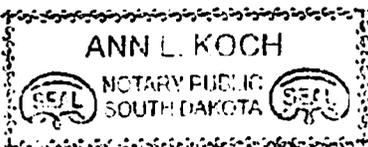
printed copy of which hereunto attached, was printed and published in the said newspaper for One successive weeks, once each week and on the same day of the week, on the following dates, to-wit:

- On Friday, the 5th day of June, 2015;
On ... day of ... 20...;

That \$ 17.66 being the full amount of the fees for publication of the attached notice inures solely for the benefit of the publisher of the said newspaper, that no arrangement or understanding for a division thereof has been made with any other person and that no part thereof has been agreed to be paid to any other person whomsoever.

Sue Anne Artko (signature)

Subscribed and sworn to before me this 8th day of June, 2015



Ann L. Koch (signature)
Notary Public, Lake County, South Dakota

Friday, June 5

NOTICE OF PUBLIC HEARING
FOR THE LAKE MADISON SANITARY DISTRICT WASTEWATER SYSTEM IMPROVEMENTS PROJECT

The Lake Madison Sanitary District (LMSD) is proposing to construct improvements to its wastewater system. The LMSD is seeking up to \$500,000 of funding from the Board of Water and Natural Resource. The funds could be either a grant from the State Consolidated Water Facilities Construction Program or a loan from the Clean Water State Revolving Fund (SRF) Program. The expected Clean Water SRF loan terms are 3.25 percent for 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal. The amount and source of funds will be determined by the Board of Water and Natural Resources when the application is presented at a scheduled board meeting.

The purpose of the public hearing is to discuss the proposed project, the proposed financing, the source of repayment for the loans and to receive comments regarding the application from members of the community. The meeting is open to the public and interested persons are encouraged to attend.

Notice is further given to persons with disabilities that this hearing is being held a physically accessible place. The TDD number is 18008771113. Disabled individuals wishing assistance should contact the Clerk at the LMSD office (256-4428) for information and/or special assistance, the request should be made 48 hours in advance of the meeting.

The public hearing will be held at the LMSD office on June 17, 2015 at 7:00 PM. Published once at the total approximate cost of \$17.66

Publication Fees \$
Notary Fees \$
Total \$

Received Payment

CAPACITY ANALYSIS OF MLS 3-S

A. POPULATION SERVED

<u>AREA</u>	<u>DWELLING UNITS</u>		<u>Change</u>
	<u>Current</u>	<u>Future</u>	
S. Lake Trail	3	3	0
Bayview Lane	17	17	0
238th Street	14	14	0
ALS 9-S	10	10	0
ALS 10-S	7	7	0
ALS 11-S	40	40	0
ALS 14-S	248	325	77
Total	<u>339</u>	<u>416</u>	<u>77</u>

B. FLOW DETERMINATION

Given:

Population Equivalent	3 people per unit
Flow, per person	75 gpdc
Peak Factor	4

Population Served	1,017	1,248 people
Avg Daily Flow	76,275	93,600 gpd
Peak Hourly Flow	or; <u>212</u>	<u>65</u> gpm
		<u>260</u> gpm

C. SYSTEM ANALYSIS

Discharge	4" PVC Forcemain	
Discharge To	MLS 2-S	
Pipe Length	5,635	5,635 ft
Friction Factor	2.52	3.68 ft/100 ft
Friction Head	142.1	207.5 ft
Static Head	33.6	33.6 ft
Total Dynamic Head (TDH)	<u>175.7</u>	<u>241.1</u> ft

D. PUMP REQUIREMENTS

Current Pump Conditions	212 gpm at 176 ft TDH
Future Pump Conditions	260 gpm at 241 ft TDH

E. CURRENT PUMP PERFORMANCE

Current Pump Maximum	98 gpm at 70 ft TDH
----------------------	---------------------

F. CONCLUSION IS NOT GOOD

MLS 3-S does NOT have the capacity to handle Current Flow
 TDH is excessive and out of range for available pumps

By: Schmitz, Kalda & Associates, Inc.
 March 10, 2015

gpdc = gallons per day per capita or per person
 gpd = gallons per day
 gpm = gallons per minute

CAPACITY ANALYSIS OF ALS 14-S

A. POPULATION SERVED

<u>AREA</u>	DWELLING UNITS		
	<u>Current</u>	<u>Future</u>	<u>Change</u>
Silver Creek	13	20	7
ALS 12-S			
Smith's Park	34	34	0
461A N. of Spillway	7	7	0
Zimmerman Park	14	20	6
Lakes Golf Phase 1	54	86	32
ALS 13-S			
Campground	109	109	0
ALS 15-S			
Lakes Golf Phase 2	17	49	32
Total	<u>248</u>	<u>325</u>	<u>77</u>

B. FLOW DETERMINATION

Given:

Population Equivalent	3	people per unit
Flow, per person	75	gpdc
Peak Factor	4	

Population Served	744	975	people
Avg Daily Flow	55,800	73,125	gpd
Peak Hourly Flow	<u>155</u>	<u>203</u>	gpm

or;

Peak Hourly Flow	39	51	gpm
	<u>155</u>	<u>203</u>	gpm

C. SYSTEM ANALYSIS

Discharge	3" PVC Forcemain		
Discharge To	MLS 3-S		
Pipe Length	5,620	5,620	ft
Friction Factor	4.81	7.93	ft/100 ft
Friction Head	270.3	445.8	ft
Static Head	31.6	31.6	ft
Total Dynamic Head (TDH)	<u>301.9</u>	<u>477.4</u>	ft

D. PUMP REQUIREMENTS

Current Pump Conditions	155 gpm at 302 ft TDH
Future Pump Conditions	203 gpm at 477 ft TDH

E. CURRENT PUMP PERFORMANCE

Current Pump Maximum	75 gpm at 102 ft TDH
----------------------	----------------------

F. CONCLUSION IS NOT GOOD

ALS 14-S does NOT have the capacity to handle Current Flow
Flow and TDH are out of the range for available grinder pumps

By: Schmitz, Kalda & Associates, Inc.
March 10, 2015

gpdc = gallons per day per capita or per person
gpd = gallons per day
gpm = gallons per minute

ENGINEER'S ESTIMATE

Project: **OPTION A - ALS 14-S UPGRADE**
 Owner: **LAKE MADISON SANITARY DISTRICT**
 Engineer: **SCHMITZ, KALDA & ASSOCIATES**
 Date: June 25, 2015

Scope: Upgrade the force main from ALS 14-S to MLS 3S
 Plan: Construct a 6" force main using Trenchless Construction in the paved area

No.	Description	Quantity	Unit	Unit Price	Amount
1.	Mobilization	1	LS	\$ 20,000.00	\$ 20,000.00
2.	Remove & Replace Asphalt Pavement	240	SY	\$ 32.00	\$ 7,680.00
3.	Traffic Control Units	600	Unit	\$ 1.60	\$ 960.00
4.	Traffic Control Miscellaneous	1	LS	\$ 2,000.00	\$ 2,000.00
5.	6" PVC Forcemain - Open Excavation	4,560	LF	\$ 20.00	\$ 91,200.00
6.	6" HDPE Forcemain - Trenchless	3,240	LF	\$ 22.00	\$ 71,280.00
7.	Access Pit	6	Each	\$ 2,000.00	\$ 12,000.00
8.	Air Release Manhole	1	Each	\$ 3,500.00	\$ 3,500.00
9.	Upgrade ALS 14-S	1	LS	\$ 40,000.00	\$ 40,000.00
10.	Upgrade MLS 3-S	1	LS	\$ 25,000.00	\$ 25,000.00
11.	Upgrade ALS 6-S	1	LS	\$ 60,000.00	\$ 60,000.00
12.	Seeding	3	Acre	\$ 800.00	\$ 2,400.00
13.					\$ -
TOTAL ESTIMATED PROJECT COST					\$ 336,000.00

Notes:

1. This estimate is based on Construction in 2016
2. Construction Cost is rounded to the nearest \$1,000
3. This estimate is solely the opinion of the engineer of probable costs based on his experience and judgment. However, engineer has no control over market conditions or bidding procedures. Therefore, engineer cannot warrant that bids, ultimate construction costs, or project economics will not vary from these opinions.

PROJECT COST SUMMARY

Project: Facility Plan
Owner: Lake Madison Sanitary District
Engineer: Schmitz, Kalda & Associates, Inc.
Date: June 25, 2015

Option A - ALS 14-S Upgrade	Amount
Construction Cost	\$ 336,000.00
Allowance for Contingencies (10%)	\$ 33,600.00
Administrative, Legal & Bond Counsel	\$ 4,600.00
Engineering - Design and Bidding Services	\$ 33,600.00
Engineering - Construction Services ⁽²⁾	\$ 20,200.00
TOTAL ESTIMATED PROJECT COST	\$ 428,000.00

Notes:

1. This estimate is based on Construction in 2016
2. Construction Services include Const. Admin., Resident Eng. & Const. Staking
3. Construction Cost is rounded to the nearest \$1,000
4. This estimate is solely the opinion of the engineer of probable costs based on his experience and judgment. However, engineer has no control over market conditions or bidding procedures. Therefore, engineer cannot warrant that bids, ultimate construction costs, or project economics will not vary from these opinions.