



CLEAN WATER STATE REVOLVING LOAN FUND PROGRAM

CATEGORICAL EXCLUSION

TO: All Interested Citizens, Government Agencies and Public Groups

In accordance with the Nebraska Clean Water State Revolving Fund environmental review process, which is based on the National Environmental Policy Act, an environmental review has been performed on the proposed agency action below:

This information reviews the environmental impact likely from a project. This project is planned to be federally funded wholly or in part through your tax dollars; therefore, you are entitled to take part in its review. If you have concerns about the environmental impact of this project, please provide them at this time. The Nebraska Department of Environment and Energy (NDEE) encourages public input in this decision-making process.

PROJECT NAME: Broadwater Wastewater Collection System Improvement
APPLICANT: Broadwater, Nebraska
COUNTY: Morrill County
POPULATION: 128 (2010 Census)
CWSRF PROJECT NUMBER: C318021
NDEE ID No.: 57915
AWIN SUSTAINABILITY SCORE: 21
TOTAL PROJECT AMOUNT: \$403,000
ESTIMATED CWSRF LOAN FORGIVENESS AMOUNT: \$150,000
ESTIMATED CWSRF SMALL TOWN GRANT AMOUNT: \$51,500
ESTIMATED CWSRF LOAN AMOUNT: \$201,500

The Village of Broadwater is a small rural community supporting the local agricultural activities typical of western Nebraska. The 2010 census population was 128. Broadwater owns a non-discharging, complete retention lagoon system. The treatment facility consists of two facultative lagoons located 2,400 feet south of town with an approximate water surface area of 5 acres. The lagoons have not discharged since the addition of a second lagoon. The Village of Broadwater applied for an NPDES exemption in 1996.

In Broadwater, the wastewater collection system was originally constructed in the 1930's. The system was predominantly 8" concrete pipe. A majority of the collection system was installed at less than minimum grade (0.4%) for 8" pipe. This has led to the settlement of solids and additional cleaning requirements. Several upgrades to the system were made during the 1978 construction project. Pipeline was installed from Kepler to Minshall Streets in the alleys between Starr Street and Wehn Street and the County Road and Starr Street. A pipeline was installed from Ohio Street to Smith Street in the alley between County Road and Wehn Street. The outfall from Highway 26 and the

County Road to near Ohio Street and the alley near Wehn Street was also completed at this time. In 1995, an emergency project included removal and replacement of pipeline from Smith Street to Adams Street in the alley between Main and Wehn Streets, since the concrete pipeline deteriorated and collapsed from hydrogen sulfide gas corrosion.

The collection system was investigated by using a sewer camera in August 2007. In the summary of inspection, it was noted that for collection system, Line E – located in Bruner Street (east of Park Lane), running from Smith to Minshall, has several problems and there are areas full of water. Other areas were noted in 2007 inspections that have not been corrected since that time. This includes the line from Kepler to Smith between Wehn and Starr (Line D South), where the line in Starr Street that turns on to Wagoner and then south in the alley between Starr and Wehn (Line D North) has numerous root infiltrations as well as blockages in various areas. The line south of the highway between the County Road and Starr (Line C) also has many problem areas along the line including a significant amount of sediment buildup and areas of tree roots.

The project is eligible for financing through the Clean Water State Revolving Loan Fund (CWSRF) and is listed on the Planning List of the SFY2020 Intended Use Plan (IUP). Broadwater qualifies for a 20-year loan at an interest rate of 1.5 percent. In addition to principal and interest payments, an administrative fee of 0.75 percent of the outstanding principal balance would be assessed each year. The Village of Broadwater ranked at 55 priority points, and has an AWIN high-risk sustainability score of 21. The community is eligible for CWSRF financing with 50% grant. The total amount of grant is \$201,500, including \$150,000 loan forgiveness and \$51,500 small town grant.

Sewer use fees would be pledged to repay the loan. The current residential sewer use flat rate is \$8.25 per month. The Village of Broadwater is estimated to have approximately 55 residential users. Sewer rates would need to be raised by \$18.96 per month to cover the debt service and 10 percent coverage requirement.

The review did not indicate a significant environmental impact would result from the proposed action. The construction contract documents will require the contractor to satisfy the requirements of the Federal Migratory Bird Treaty Act. The project will monitor for nesting and migratory birds, which could be disturbed by construction. The project does not discriminate against any segment of the community's population nor suffers disproportionately from human health or environmental effects.

The project was reviewed for eligibility for a categorical exclusion from National Environmental Policy Act review specified in 40 CFR (Code of Federal Regulations) Part 6.204. The project meets all criteria described in the above reference and the Department has determined that this project is eligible for categorical exclusion. Consequently, a preliminary decision has been made that a Finding of No Significant Impact will not be prepared. The project as proposed is solely replacement of existing facilities.

Justification for categorical exclusion includes:

- The proposed action is not known or expected to have potentially significant environmental impacts on the quality of the human environment either individually or cumulatively over time;
- The proposed action is not known or expected to significantly affect federally listed threatened or endangered species or their critical habitat;

- The proposed action is not known or expected to significantly affect national natural landmarks or any property with nationally significant historic, architectural, prehistoric archeological or cultural value, including but not limited to, property listed on or eligible for the National Register of Historic Places;
- The proposed action is not known or expected to significantly affect environmentally important natural resource areas as wetlands, prime farmland, floodplains, wild and scenic rivers, and significant fish or wildlife habitat.
- The proposed action is not known or expected to have a significant effect on the pattern and type of land use (industrial, commercial, agricultural, recreational, residential) or growth and distribution of population including altering the character of existing residential areas, or may not be consistent with state or local government, or federally-recognized Indian tribe approved land use plans or federal land management plans.
- The proposed action is not known or expected to cause significant public controversy about a potential environmental impact of the proposed action.

The Nebraska Department of Environment and Energy shall revoke the categorical exclusion and shall require a full environmental review if, subsequent to the granting of exclusion, the state determines that the proposed project no longer meets the requirements for a categorical exclusion due to changes in the proposed project; or new evidence reveals that serious local or environmental issues exist; or federal, state, local or tribal laws are being violated.

This action is taken on the basis of careful review of the application and other supporting data, which are on file in the office of the NDEE. These are available for public review upon request. Persons having a comment on this categorical exclusion determination are encouraged to submit such comments directly to Jian Li, Review Engineer, of the Technical Assistance Section of NDEE, who can be reached at (402) 471-6571 or email: jian.li@nebraska.gov.

Signed this 13th day of January, 2020.

Sincerely,



Jim Macy
Director

JM/JL

Attachments: Distribution List
Maps

CATEGORICAL EXCLUSION DISTRIBUTION LIST
BROADWATER, NEBRASKA

DEPARTMENT OF ENVIRONMENT and ENERGY
Office of Public Affairs
P.O. Box 98922
Lincoln, NE 68509-8922

DEPARTMENT OF HEALTH AND HUMAN
SERVICES - REGULATION AND LICENSURE
Steve McNulty
P.O. Box 95026
Lincoln, NE 68509-5026

DEPARTMENT OF NATURAL RESOURCES
Mitch Paine
P.O. Box 94676
Lincoln, NE 68509-4676

NEBRASKA GAME & PARKS COMMISSION
Craig Wacker/Carey Grell
P.O. Box 30370
Lincoln, NE 68503-0370

DIRECTOR, NEBRASKA STATE
HISTORICAL SOCIETY
P.O. Box 82554
Lincoln, NE 68508-2554

STATE OFFICE OF POLICY RESEARCH
Policy Advisor
Rm 1319, State Capitol
P.O. Box 94601
Lincoln, NE 68509-4601

DEPARTMENT OF ECONOMIC DEVELOPMENT
Steve Charleston
P.O. Box 94666
Lincoln, NE 68509

DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Eliza Hines
9325 South Alda Road
Wood River, NE 68883

NATIONAL PARK SERVICE
Nick Chevance
Environmental Coordinator
Midwest Regional Office
601 Riverfront Drive
Omaha, NE 68102-4226

USDA RURAL DEVELOPMENT
Ken Shaw
Room 308, Federal Building
100 Centennial Mall North
Lincoln, NE 68508

ENVIRONMENTAL PROTECTION AGENCY
Chris Simmons/Kelly Beard-Tittone
11201 Renner Blvd
Mail Code: WWPDWIMB
Lenexa, KS 66219

STATE CONSERVATIONIST
Natural Resources Conservation Service
Federal Building, Room 345
100 Centennial Mall North
Lincoln, NE 68508

DEPARTMENT OF THE ARMY
John Moeschen
State Program Manager
US Army Corps of Engineers
Nebraska State Office, Suite 1
8901 South 154th Street
Omaha, NE 68138-3621

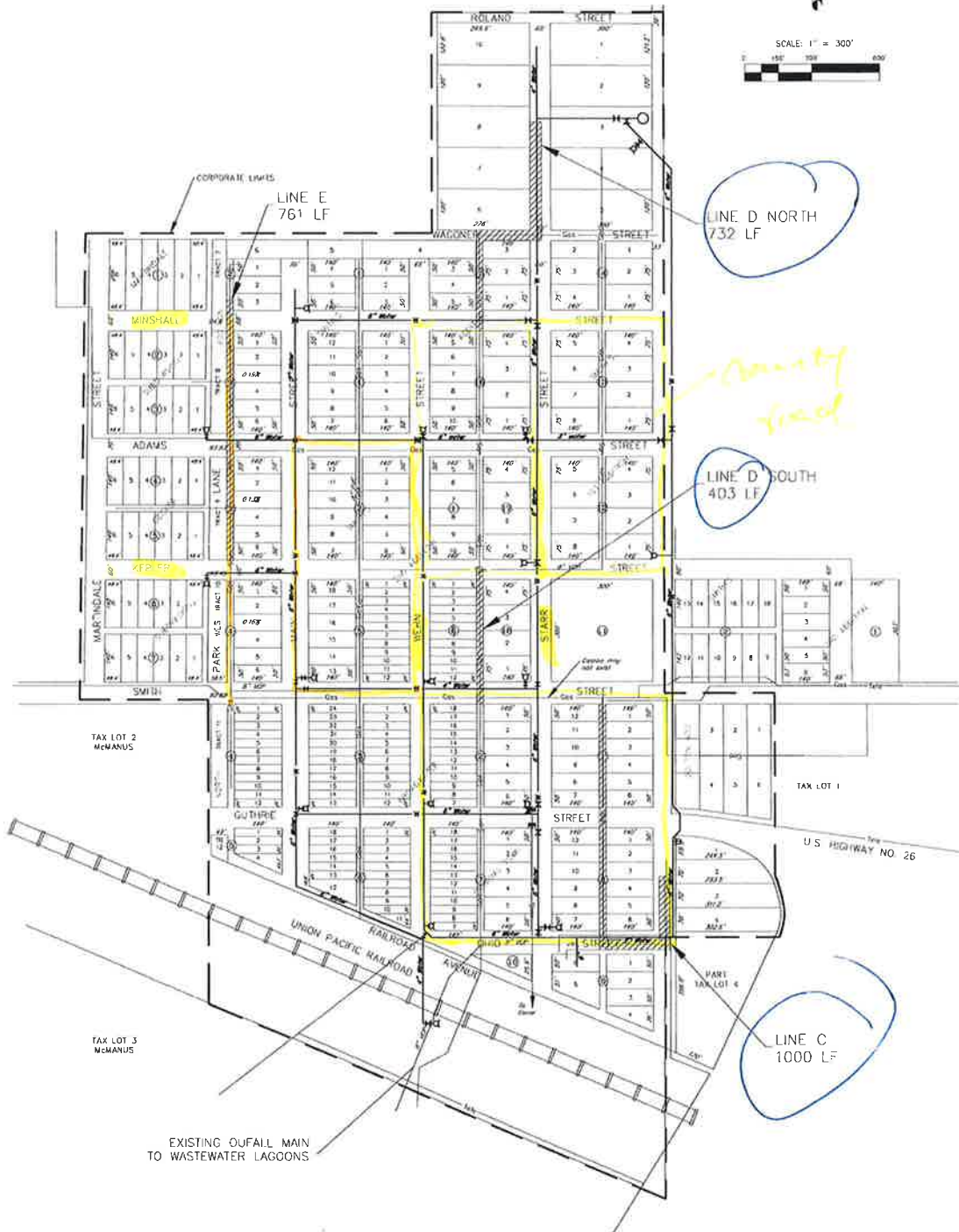
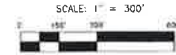
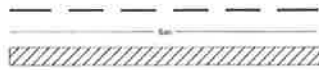
APPLICANT:
Susan Kelly, Chairman
Village of Broadwater
PO Box 70
251 N Starr Street
Broadwater, NE 69125-0070

CONSULTING ENGINEER:
Jack Baker, P.E.
Baker & Associate Inc.
120 E. 16th Street
Scottsbluff, NE 69361

LOCAL NEWSPAPER:
Scottsbluff Star-Herald
1405 Broadway
Scottsbluff, NE 69361

NATURAL RESOURCES DISTRICT:
North Platte NRD
PO Box 280
100547 Airport Road
Scottsbluff, NE 69363-0280

LEGEND
 EXISTING CORPORATE LIMITS LINE
 EXISTING SANITARY SEWER LINE
 PROBLEM AREAS IN THE SYSTEM



Sheet No. 1
 Date Issued:
 Project No. 025-01500
 Civil Plan

Sheet Title:
**VILLAGE OF BROADWATER
 SEWER REPLACEMENT MAP**

Project Title:
SEWER FACILITY PLAN
 VILLAGE OF BROADWATER

PRELIMINARY PLAN
 NOT TO BE USED FOR CONSTRUCTION

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 122 East 188th St
 Scottsdale, AZ 85261
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