



**North Carolina Department of Environmental Quality**  
**Division of Water Infrastructure**  
**Application for Funding**



(Last updated: February 2022)

**1. General Information**

<b>Applicant Name</b> Town of Ranlo	<b>County</b> Gaston	<b>DUNS Number</b> 957039050
<b>Project Name</b> Wastewater Replacement	<b>Federal Tax ID #</b> 56-0812725	<b>PWSID # (if applicable)</b> NC 0136034
<b>Applicant Type</b>	<b>Total Project Cost</b> \$8,435,000	<b>Funding Amount Requested</b> \$8,435,000
<input checked="" type="checkbox"/> Municipality <input type="checkbox"/> County <input type="checkbox"/> Water and Sewer District <input type="checkbox"/> Water and Sewer Authority	<input type="checkbox"/> Sanitary District <input type="checkbox"/> Non-Profit Water Corporation <input type="checkbox"/> Other (Specify: )	
<b>Funding Type(s) Requested</b>		
<input type="checkbox"/> Asset Inventory and Assessment (AIA) Grant <input type="checkbox"/> Merger/Regionalization Feasibility (MRF) Grant <input type="checkbox"/> Pre-Construction Planning Grant (without construction) <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> <b>Construction Project</b> ↳ <input type="checkbox"/> Drinking Water ↳ <input checked="" type="checkbox"/> <b>Wastewater</b> ↳ <input type="checkbox"/> CWSRF Green Project: stream restoration, stormwater BMP, reclaim water	

**Acceptance of Funding Offer (for Construction Projects only)**

These questions will be used to identify the best funding fit. Funding from the American Rescue Plan Act (ARPA) is available as grants, and principal forgiveness is available from the State Revolving Funds.

- I am willing to accept funding that includes federal conditions.  Yes     No
- I will only accept a funding offer (loan and/or grant) if a minimum of \$0 is offered as a grant or principal forgiveness. *Enter \$0 if you are willing to accept a loan offer with no grant or principal forgiveness.*
- Because of the potential hardship related to a State Revolving Fund and/or State Reserve Program loan, this application seeks to replace the \$ \_\_\_\_\_ loan awarded to the Insert Project Name (Insert project number) with grant funding. *Note: loans that have already received disbursements are not eligible.*

**2. System Parameters**

<b>Residential Sewer Connections</b>	<b>Residential Water Connections</b>	
1,556	1,612	
<b>Non-Residential Sewer Connections</b>	<b>Non-Residential Water Connections</b>	
85	47	
<b>Monthly Sewer Bill per 5,000 gallons</b>	<b>Monthly Water Bill per 5,000 gallons</b>	
\$45.95	\$45.95	
<b>Percentage of Utility Bills Collected and Rate Increase Percentages</b>		
<b>Year</b>	<b>Percentage of Utility Bills Collected</b>	<b>Rate Increase Percentage</b>
FY2021	98.68%	23.48%
FY2020	98.68%	15.60%
FY2019	98.74%	0%
FY2018	98.68%	0%
FY2017	98.68%	0%

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**3. Applicant Contact Information**

**Authorized Representative Name:** Jonathan Blanton

**Authorized Representative Title:** Town Manager

**Mailing Address Line 1:** 1624 Spencer Mountain Road

**Mailing Address Line 2:**

**City:** Gastonia

**State:** NC

**Zip Code:** 28054

**Physical Address Line 1:** 1624 Spencer Mountain Road

**Physical Address Line 2:**

**Physical Address City:** Gastonia

**Physical Address State:** NC

**Physical Address Zip Code:** 28054

**Phone Number:** 704-824-3461

**E-Mail Address:** [jblanton@townofranlo.org](mailto:jblanton@townofranlo.org)

**4. Application Preparer Contact Information**

**Firm Name:** The Wooten Company

**Contact Name:** A. Slade Harvin, PE

**Mailing Address Line 1:** 1430-B Old Lenoir Road NW

**Mailing Address Line 2:**

**City:** Hickory

**State:** NC

**Zip Code:** 28601

**Physical Address Line 1:** 1430-B Old Lenoir Road NW

**Physical Address Line 2:**

**Physical Address City:** Hickory

**Physical Address State:** NC

**Physical Address Zip Code:** 28601

**Phone Number:** 828-322-5533

**E-Mail Address:** [sharvin@thewootencompany.com](mailto:sharvin@thewootencompany.com)

**5. Engineer Contact Information**

Is the engineering firm different from the application preparer?  Yes  No

**Engineering Firm Name:**

**Contact Name:**

**Mailing Address 1:**

**Mailing Address 2:**

**City:**

**State:**

**Zip Code:**

**Physical Address Line 1:**

**Physical Address Line 2:**

**Physical Address City:**

**Physical Address State:**

**Physical Address Zip Code:**

**Phone Number:**

**E-Mail Address:**

**6. Project Description (see Instructions)**

The Town of Ranlo owns, operates, and maintains approximately 22 miles of wastewater collection lines, primarily 8-inch, including an estimated 545 manholes. Approximately 95% of the wastewater lines are made of clay pipes and the manholes are constructed of brick rather than being pre-cast concrete structures. The Town of Ranlo's wastewater collection system was constructed approximately in the 1940's and 1950's prior to being incorporated in 1963.

In recent years, the Town has identified the I&I problems to be coming from the older sewers within the Town. The Town currently has plans to make improvements to Boulder Court Roadway that includes investigation and design of improvements to the roadway, associated with the existing storm drainage system and paved roadways, including smoke testing. This includes assisting the Town with CCTV, topographic survey and engineering design. The Town also performed a sewer assessment in part of the Town's older sewer collection system, which used to be part of the Mill Village. The CCTV inspection of this area of sewer confirmed that this area is in need of replacement. The report and assessment of this area is included within the Appendix along with approximately 7 work orders within a month's time within the project area. This project involves the replacement of the existing vitreous clay sewer pipe and brick manholes.

Continued improvement of compromised sewer mains and manholes will further decrease I&I volumes the Town faces. The sewer mains included within this project scope are all VCP material, making these mains original to the system and over 40 years of age. The replacement of the 8-inch lines will be a like-for-like replacement of the sewer collection lines in order to adhere to compliance issues of minimum main diameter and is not intended to increase the capacity of the mains. The project also includes the replacement of the existing brick manholes with new precast concrete manholes within the project.

The scope of work for the project will generally involve the construction of the following components to replace the existing failing sewer system:

- Replacement of 17,500 8-inch VCP gravity sewer with 8-inch PVC gravity sewer;
- Replacement of 88 (4)-foot diameter manholes;
- Replacement of 188 sewer service connections;
- Miscellaneous Appurtenances and Associated Work;

**Estimated number of new connections served by project (if applicable):** N/A

**For Construction Projects and Pre-Construction Planning Grants only:**

- The proposed project is a result of an Asset Inventory and Assessment Grant previously awarded by the Division?
- The proposed project is a result of a Merger / Regionalization Feasibility Grant previously awarded by the Division?
- None of the above.

**7. Additional Information for Consideration**

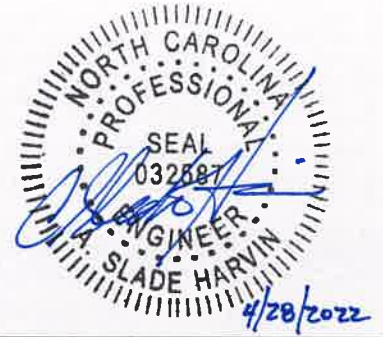
As of April 23, 2021, the Town of Ranlo was included on the compiled 2021 Unit Assistance List (UAL) based on June 30, 2020 audited financial data. The financial condition of the Town's water and sewer fund is concerning to the LGC. Supporting documentation follows the Authorizing Resolution.

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<b>8a. Project Budget (for Construction Projects and Pre-Construction Planning Grants only)</b>			
	<b>Division Funding Requested</b>	<b>Other Secured Funding Source(s)</b>	<b>Total Cost Amount</b>
<b><u>Construction Costs</u></b>			
Mobilization (~3%) 1 LS	\$210,000		\$210,000
Mulching & Seeding (3.5 LS @ \$25,000)	\$87,500		\$87,500
Clearing & Grubbing (0.4 AC @ \$17,000)	\$6,800		\$6,800
0-6 Ft. Depth 8-Inch PVC SDR-35 Gravity Sewer (10,500 LF @ \$100)	\$1,050,000		\$1,050,000
6-8 Ft. Depth 8-Inch PVC SDR-35 Gravity Sewer (3,500 LF @ \$110)	\$385,000		\$385,000
8-10 Ft. Depth 8-Inch PVC SDR-35 Gravity Sewer (3,500 LF @ \$120)	\$420,000		\$420,000
8-Inch Gravity Bore & Jack w/ 24-Inch Casing Pipe (200 LF @ \$400)	\$80,000		\$80,000
0-6 Ft. Depth 4 Ft. Dia. Precast Concrete Manhole (52 EA @ \$3,500)	\$182,000		\$182,000
6-8 Ft. Depth 4 Ft. Dia. Precast Concrete Manhole (18 EA @ \$4,000)	\$72,000		\$72,000
8-10 Ft. Depth 4 Ft. Dia. Precast Concrete Manhole (17 EA @ \$6,000)	\$102,000		\$102,000
14-16 Ft. Depth 4 Ft. Dia. Precast Concrete Manhole (1 EA @ \$12,000)	\$12,000		\$12,000
Tie-In to Existing Sewer Manhole (3 EA @ \$3,500)	\$10,500		\$10,500
Abandon Manholes (11 EA @ \$3,000)	\$33,000		\$33,000
Asphalt Pavement Patching/Repairs (50,900 SY @ \$80)	\$4,072,000		\$4,072,000
New 4-inch PVC Service with Cleanout (130 EA @ \$1,200)	\$156,000		\$156,000
Gravel Driveway Repair (250 SY @ \$80)	\$20,000		\$20,000
2'-6" Concrete Curb & Gutter (Remove & Replace) (500 LF @ \$70)	\$35,000		\$35,000
Silt Fence (6,100 LF @ \$5)	\$30,500		\$30,500
Undercut Unstable Pipe Foundation (400 CY @ \$90)	\$36,000		\$36,000
<i>Contingency (10% of construction costs):</i>	\$700,100		\$700,100
<b><i>Construction Subtotal:</i></b>	<b><i>\$7,700,400</i></b>		<b><i>\$7,700,400</i></b>
<b><u>Engineering Costs</u></b>			
Engineering Report	\$20,000		\$20,000
Engineering Design (~12%)	\$336,100		\$336,100
Bidding Services	\$4,000		\$4,000
Construction Admin. (16 Months)	\$64,000		\$64,000
Construction Observation (Full-Time, 16 Months)	\$224,000		\$224,000
Geotechnical Services	\$24,000		\$24,000
Permitting Services	\$15,000		\$15,000
Permitting	\$2,500		\$2,500
<b><i>Engineering Subtotal:</i></b>	<b><i>\$689,600</i></b>		<b><i>\$689,600</i></b>

<b><u>Administration Costs</u></b>			
Grant Administration	\$30,000		\$30,000
Owner Administration	\$15,000		\$15,000
Legal Costs			
Compensation for Connection Fees and System Development Fees that will not be charged after connecting residences in disadvantaged, underserved areas (if applicable)			
<i>Administration Subtotal:</i>	<i>\$45,000</i>		<i>\$45,000</i>
<b>TOTAL PROJECT COST:</b>	<b>\$8,435,000</b>		<b>\$8,435,000</b>

**A Professional Engineer signature and seal for the estimate must be provided in the space to the right for the application to be considered complete.**





**Certification by Authorized Representative**

The attached statements and exhibits are hereby made part of this application, and the undersigned representative of the Applicant certifies that the information in this application and the attached statements and exhibits are true, correct, and complete to the best of his/her knowledge and belief. By initialing each item and signature at the end of this application, he/she further certifies that:

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1. as Authorized Representative, he/she has been authorized to file this application by formal action of the governing body;
2. the governing body agrees to provide for proper short-term and long-term maintenance and operation of the approved project after its completion;
3. the Applicant has substantially complied with or will comply with all federal, state, and local laws, rules, and regulations and ordinances as applicable to this project;
4. the Applicant will adopt and place into effect on or before the completion of the project a schedule of fees and charges which will provide for the adequate and proper operation, maintenance, and administration and repayment of all principal and interest on loans (if applicable) of the project;
5. the Applicant has followed proper accounting and fiscal reporting procedures, as evidenced by the Applicant's most recent audit report, and that the Applicant is in substantial compliance with provision of the general fiscal control laws of the State;
6. the Project Budget for construction projects and pre-construction planning grants provided in this application form (if applicable) includes all funding requested from all sources of funding proposed for this project;
7. the (Town or County), North Carolina is organized and chartered under the laws of North Carolina, or the special purpose unit of local government is incorporated under the laws of North Carolina. All officials and employees are aware of, and in full compliance with NCGS 14-234, "Public officers or employees benefiting from public contracts; exceptions." (For units of local government only. All others should initial "N/A");
8. the Applicant acknowledges that all loans, and Viable Utility Reserve grants, are subject to approval by the Local Government Commission;
9. the Applicant acknowledges that, in accordance with G.S. 120-157.2, for local government debt to be issued greater than \$1,000,000, the local government must report to Committee Chairs, Committee Assistant, and the Fiscal Research Division of the General Assembly at least 45 days prior to presentation before the Local Government Commission (For units of local government only. All others should initial "N/A"); and
10. if the Applicant receives a grant with American Rescue Plan Act (ARPA) State Fiscal Recovery Funds, the Applicant acknowledges and accepts the following conditions:
  - a) all ARPA project funds must be reimbursed by December 31, 2026;
  - b) project funds will not be used to pay existing debt or as a match for other federal funds;
  - c) if the project is also funded with other federal funds, the federal requirements of the other funds will apply to the ARPA funds; and
  - d) for projects receiving ten million dollars or more in ARPA funding: recipients must certify or provide plans and reports meeting federal requirements on reporting on prevailing wage rates, project labor agreements, and related information as specified in the U.S. Treasury's Compliance and Reporting Guidance for the State and Local Fiscal Recovery Funds (pages 21-22).

**Completeness Checklist**

*In addition to this application, the following items must be included for a complete application package. Incomplete applications will not be considered. Please initial that each item is included in this submittal.*

- GA Resolution by Governing Body of Applicant with Certification by Recording Officer\*
- GA Water & Sewer Financial Information Form\*
- GA Fund Transfer Certification\*
- GA Applicable Priority Rating System Form\* with supporting narratives and documentation
- GA Affordability Calculator\* or handwritten affordability calculations
- GA Current rate sheets in effect on application deadline (for both water and sewer if the utility provides both water and sewer, or for water or sewer depending on the utility service)
- GA PE Seal on project budget (construction projects and pre-construction planning grants only. All others initial "N/A")
- N/A GA Supporting documentation/maps for construction projects that connect residences in disadvantaged, underserved areas to water/wastewater utility (if applicable. If not applicable, initial "N/A")

\* Forms and templates are available separately on the [Division's website](#).

**\*\* For each application, please provide copies that are bound (e.g., report cover with fasteners, plastic report combs, spiral or 3-ring binders). No paper clips, staples or binder clasps. \*\***

**Submittal Information**

- Send one (1) **original hard copy** and one (1) **electronic copy** of the Application.

Send complete Application package to:

**Mailing Address† (US Postal Service only)**

Division of Water Infrastructure  
1633 Mail Service Center  
Raleigh, NC 27699-1633

**Physical Address (FedEx, UPS)‡**

Division of Water Infrastructure – 8<sup>th</sup> Floor, Archdale Building  
512 North Salisbury Street  
Raleigh, NC 27604  
919.707.9160

†Please allow two weeks for delivery if mailing via the US Postal Service.

‡For all courier services, please use the physical address, as having a courier deliver to the mailing address will delay package delivery.

**Application Signature**

**Please note: original signatures are required for each application.**

SIGNATURE OF AUTHORIZED REPRESENTATIVE

**Jonathan Blanton**

TYPED NAME

**Town Manager**

TYPED TITLE

**04-28/2022**

DATE