NORTH COAST RESOURCE PARTNERSHIP

A. General Project Information

1. Organization / Project Sponsor Name:
   Weaverville Sanitary District

2. Project Name:
   Sewer Lining Project

3. Has the organization implemented similar projects in the past? ☒ yes ☐ no

4. If the project sponsor has worked with NCRP in the past, describe the project and outcome.
   Proposition 1 IRWM round 1. Project currently underway to rehab 9400 ft of 6inch sewer mains.

5. Please describe the qualifications, experience, and capacity of the project team that will be overseeing project implementation.
   Project team will be led by the General Manager(GM) of the Weaverville Sanitary District. The GM has 23 years of experience installing, maintaining, and repairing sewer lines. The bid process will be assisted by an ouside agency.

6. Is this project part of a larger project or program? If so, what effectiveness monitoring is being conducted and what are the results?
   This project is part of an ongoing project to maintain an efficient sewer system and reduce groundwater infiltration.

7. Project Abstract [500 characters max.]
   The District has identified 24,300 linear feet of existing sewer collection system that are the most problematic and require signifcant effort to maintain. These areas of concern increase the difficulty of treatment due to infiltration and inflow (I&I) and may decrease the groundwater quality by introducing raw sewage into the surrounding groundwater.

8. Project Description [3,000 characters max.]
   This project will utilize pipe lining to rehabilitate 24,300 linear feet of transite sewer mains identified by the District as leaking or problematic due to aging pipe joints, root balls or blockages. Pipe lining eliminates pipe joints that with transite are on average every ten feet.The problematic zones have been identified and ranked by the District in terms of greatest need as followed:

   Zone 1. Streets Court, Taylor, Waterworks, Garden Gulch, Red Hill - Pipe lining approximately 8000 ft of existing 6" and 1600 ft of 8"transite pipe installed in 1957. Frequent maintenance required to remove root balls and blockages. Pipe joint degredation allowing for excess I&I.

Zone 2. Creek crossings Oregon & Lorenz - Pipe lining approximately 600 ft of existing 10 " transite pipe installed in 1957. Excess I&I due to leaking pipe joints.

Zone 3. Streets Oregon, Spann, Moon Alley, Hawthorne, Sam Lee, Oddfellows - Pipe lining approximately 7400 feet of existing 6" transite pipe installed in 1957. Frequent maintenance required to remove root balls and blockages.

Zone 4. Streets Forest, Minor, Loomis, Dockery, Tinnen - Pipe lining approximately 6700 feet of existing 6" transite pipe installed in 1957. Frequent maintenance required to remove root balls and blockages.

Please see Attachment 1 for a map of the existing sanitary sewer system with the zones described above identified.

This project addresses the critical needs of the state and local region by facilitating ecosystem restoration and enhancement, improvement of economic vitality for the district, and protection of public health.

9. Specific Project Goals/Objectives

Goal 1: Ecosystem restoration and enhancement [100 characters max.]
Goal 1 Objective: Reduce infiltration and inflow (I&I), allowing the groundwater to recharge aquifers and feed local streams. [200 characters max.]
Goal 1 Objective:
Goal 1 Objective:
Goal 1 Objective:

Goal 2: Improve economic vitality for the District
Goal 2 Objective: Reduce emergency labor costs.
Goal 2 Objective: Improve personnel utilization.
Goal 2 Objective: Reduce I&I to reduce wastewater treatment costs
Goal 2 Objective:

Goal 3: Protect public health
Goal 3 Objective: Prevent contamination of groundwater
Goal 3 Objective: Prevent sanitary sewer overflows into nearby streams and drainages.
Goal 3 Objective:
Goal 3 Objective:

Additional Goals & Objectives (List)

10. **Describe how the project addresses the NCRP Goals and Objectives selected**. [1,000 characters max.]

This project addresses the NCRP and the North Coast IRWM Plan Goals and Objectives in the following ways:

1. This project addresses Goal 2: economic Vitality - Objective 4 by helping to reduce the financial burden of O&M required to maintain the failing zones of the collection system, as well as minizing unnecessary treatment costs due to I&I.

2. This project addresses goal 3: Ecosystem Conservation & Enhancement - Objectives 6&7 by reducing the probability of sewer overflows that may pollute surrounding watersheds. Additionally the reduction of I&I will allow more clean groundwater to migrate to its natural aquifers and watersheds instead of infiltrating into the sanitary sewer where it requires additional energy to be treated and discharged.

3. This project addresses Goal 4: Beneficial Uses of Water - Objectives 9&10 by protecting groundwater from contamination through improved sanitary sewer infrastructure.

11. **Describe the physical, biological and/or community need for the project**. [1,000 characters max.]

This project will provide a significant benefit by reducing the amount of sewer blockages and groundwater contamination. This will reduce I&I which causes an increase in flows during wet weather thus improving treatment efficiency and groundwater quantity and quality. Failing sanitary sewers not only allow I&I into the sewers, but also can result in contaminants leaching out of the sewers. Reducing contamination to the surrounding surface and groundwater ensures the health and safety of the public.

12. **Describe the financial need for the project**. [1,000 characters max.]

The Districts staff is very limited, and the failing sewer collection zones identified in the project description utilize a large amount of man hours to maintain. This project will provide significant benefit to the District by reducing the amount of sewer blockages and repairs needed in these critical locations. The District will then be able to utilize labor to other projects and maintenance that have been deferred because of the failing system zones.

13. **Describe potential adverse impacts from project implementation and how they will be mitigated.**

This project is lining existing sewer pipe that will not need excavation or additional disturbance of any kind. The only impacts should be positive and therefore no mitigation needed.

14. **Will this project mitigate an existing or potential Cease and Desist Order or other regulatory compliance enforcement action?** ☐ yes ☒ no

If yes, please describe. [500 characters max.]

15. Does the project address a contaminant listed in AB 1249 (nitrate, arsenic, perchlorate, or hexavalent chromium)?
☒ yes ☐ no
If yes, provide a description of how the project helps address the contamination. [500 characters max.]
Reduced potential for sanitary sewer overflows and leakages will protect the Trinity watershed from nitrate and potentially other listed constituents that are common components of sanitary sewer flows.

16. Describe how the project contributes to regional water self-reliance and addresses climate change. [1,000 characters max.]
This project improves water quality and improves public health and safety. By improving existing quantity and quality of water supplies in the region, the community will be more independent and better protected against water scarcity in the future.

17. Does the project increase public safety with regards to flood protection, wildfire hazard risk reduction, increasing firefighting capacity, or in other ways contribute to regional emergency resiliency?
☐ yes ☒ no
Please explain. [500 characters max.]

18. Does the project employ new or innovative technologies or practices, including Decision Support Tools that support the integration of multiple jurisdictions, including, but not limited to, water supply, flood control, land use, and sanitation? ☐ yes ☒ no
If yes, please describe. [500 characters max.]

19. Describe the population served by this project, including any economically disadvantaged communities or Tribes that will directly benefit.
The community of Weaverville is identified as a Severely Disadvantaged Community (SDAC) with a mean household income of less than $38,270, see Attachment 2 - Weaverville SDAC Map

20. Describe local and/or political support for this project. [500 characters max.]
No public outreach has been done at this time: however, this project will allow the District to avoid significant capital costs and lending costs to complete these projects on their own. These costs would need to be passed to the customers in the form of rate increases. Grant funding of this project will help the District avoid significant rate increases for its SDAC.

21. List all collaborating partners and agencies and nature of collaboration. [750 characters max.]

N/A

22. Is this project part or a phase of a larger project? ☐ yes ☒ no
Are there similar efforts being made by other groups? ☐ yes ☒ no
If yes to either, please describe. [500 characters max.]

B. Project Location

1. Describe the latitude and longitude of the project site.
Latitude: 40.7310 deg N Longitude: 122.9420 deg W

2. Site Address (if relevant):
N/A

3. Does the applicant have legal access rights, easements, or other access capabilities to the property to implement the project?
☒ yes If yes, please describe below
☐ no If no, please provide a concise narrative below with a schedule, to obtain necessary access
☐ NA If NA, please describe below why physical access to a property is not needed
Explanation. [500 characters max.]
This project is lining existing sewer mains the District already has legal access and necessary easements.

4. Project Location Notes:
None

C. Benefits To Disadvantaged Communities and/or Tribes

1. Does the project provide direct water-related benefits to a project area comprised of Disadvantaged Communities or Economically Distressed Communities? If partially, please estimate percentage of project that benefits disadvantaged communities and list the communities.
☒ Entirely
☐ Partially; estimate the percentage of benefits provided directly to DAC:
☐ No

List the Disadvantaged Community(s)
Weaverville, CA

2. Does the project provide direct water-related benefits to a project area comprised of Severely Disadvantaged Communities (SDAC)? If partially, please estimate percentage of project that benefits disadvantaged communities and list the SDACs.
   ☒ Entirely
   ☐ Partially; estimate percentage of benefits provided directly to SDAC:
   ☐ No
   List the Severely Disadvantaged Community(s)
   Weaverville, CA

3. Does the project provide direct water-related benefits to a Tribe or Tribes? If partially, please estimate percentage of project that benefits Tribe(s) and list the Tribes.
   ☐ Entirely
   ☐ Partially; estimate percentage of benefits provided directly to Tribe(s):
   ☒ No
   List the Tribal Community(s)

   If yes, please provide a letter of support from each Tribe listed as receiving these benefits.

4. If the project provides benefits to a DAC, EDA or Tribe, explain the water-related need of the DAC, EDA or Tribe and how the project will address the described need. [750 characters max.]
   Replacement of the failing sanitary sewer zones will reduce the potential for sanitary sewer overflows and exfiltration, which has the potential to degrade groundwater and surface water quality.

5. Describe the kind of notification, outreach and collaboration that has been completed with the county(ies) and/or Tribes within the proposed project impact area, including the source and receiving watersheds, if applicable. [500 characters max.]
   N/A

D. Project Benefits & Justification

1. For each of the Potential Benefits that the project claims, complete the following table to describe an estimate of the benefits expected to result from the proposed project. Provide quantitative benefit amounts for at least the primary and secondary benefits. Provide a qualitative narrative description of expected benefits that cannot be quantified. *See the NCRP Project Application Instructions for more information and a listing of potential benefits.*

NORTH COAST RESOURCE PARTNERSHIP

PROJECT BENEFITS TABLE

Benefit Description	Units	Quantitative Amount	Qualitative Description
Water Supply			
Increased water supply reliability		Invaluable	Health and Safety
Water Quality			
Reduced Nitrate contamination		Invaluable	Health and Safety
Reduced BOD contamination		Invaluable	Health and Safety
Reduced Turbidity contamination		Invaluable	Health and Safety
Climate Change			
Other Ecosystem Service Benefits			
Jobs Created or Maintained			
Reduced labor on Treatment	1	$31,700	Treatment Labor
Other Benefits			
Reduced emergency blockage removals	24	$4,800	Labor hrs
Reduced wastewater costs	1	$1,600	Pumps, electric, cl2

2. Does the proposed project provide physical benefits <u>outside</u> of the North Coast Region?
   ☐ yes ☒ no

If yes, describe the impacts to areas outside the North Coast Region. [500 characters max.]

3. List the impaired water bodies (303d listing) that the project benefits:

The Trinity River is listed as an impaired water body. The reduced potential for sanitary sewer owerflows and leaks into groundwater will protect the Trinity watershed to Weaver Creek, which is a tributary to the Trinity River. Multiple IRWM regions are located along the Trinity River and would be negatively impacted by decreased water quality of the river.

4. Describe how the project benefits salmonids, endangered/threatened species and sensitive habitats.

The Trinity River flows into the Klamath River, which enters the ocean in an area of Special Biological Significance. Reduced potential for sanitary sewer overflows and leakages will protect the Trinity River water Quality from adversely affecting this biological area.

5. Have alternative methods been considered to achieve the same types and amounts of physical benefits as the proposed project?

☒ yes ☐ no

Please explain. [500 characters max.]

Open trench and pipe bursting were both considered but are far more environmentally impactful and costly than pipe lining.

6. Is the proposed project the lowest cost alternative to achieve the physical benefits?

☒ yes ☐ no

Please explain. [500 characters max.]

In areas where sanitary sewer grade is good, structure of existing pipe is intact, and pipe size is adequate for future need, pipe lining is currently the most time efficient and cost effective method for pipe replacement.

7. How will the project be monitored to determine whether it is producing the desired benefits?

Flow monitoring is currently done daily and will show the reduction in I&I. Maintenance needs and blockage repairs should be reduced for these areas.

8. Provide a narrative for project technical justification. Include any other information that supports the justification for this project, including how the project can achieve the claimed level of benefits listed below. [3,000 characters max.]

The 1989 Master Sewer Plan for the Weaverville Sanitary District identifies an excessive amount of ground and surface water I&I due to leakage in the piping system. See attachment 3. Identification and correction of some sources for I&I have been corrected since the Master Plan was issued, but replacement of these main section will greatly contribute to reduction

of the leakage and I&I identified in the Master Plan. Using data for the past 3 years wet weather flows have been as high 9 times our average dry weather flows.

9. List and include any studies, plans, designs or engineering reports completed for the project as a "Technical & Reference Supporting Materials" into one document that includes a Table of Contents and is limited to approximately 50 pages. *Please see the instructions for more information about submitting these documents with the final application.*

10. Project Justification & Technical Basis Notes: Please provide any additional information *not included above* that you think is important.

Failing sanitary sewers not only allow I&I into the sewers, but also can result in contaminants leaching out of the sewers. Additionally, sewer blockages can result in overflows into surface waters. Reducing contamination to the surrounding groundwater and surface water ensures the health and safety of the public and surrounding ecosystems which cannot be monetized.

E. Project Tasks, Budget, And Schedule

1. Projected Project Start Date: 4/1/23
   Anticipated Project End Date: 11/1/25

2. Describe the basis for the costs used to derive the project budget in each budget category. [500 characters max.]
   Costs are based on latest accepted bid for pipe lining project currently underway.

3. Provide a narrative on cost considerations including alternative project costs. [500 characters max.]
   Project will try to address as many zones as possible within funding limits. Camera footage will help determine alternative locations or methods if necessary.

4. List the sources of non-state matching funds, amounts and indicate their status. Proposition 1 requires a minimum cost share of 50% of the total project costs, though a waiver may apply (see Question 6 below).
   N/A

5. List the sources and amount of State matching funds.
   N/A

6. Cost Share Waiver Requested (DAC or EDA)? ☒ yes ☐ no
   Describe what percentage of the proposed project area encompasses a DAC/EDA, how the community meets the definition of a DAC/EDA, and the water-related need of the DAC/EDA that the project addresses. In order to receive a cost share waiver, the applicant must

demonstrate that the project will ***directly*** provide benefits that address a water-related need of a DAC/EDA.

The project is located completely within an SDAC. The median household income (MHI) of the community of Weaverville is less than $38,270. As stated earlier, the project will reduce the potential for sanitary sewer overflows and will reduce I&I. Reduced I&I will allow groundwater to replenish natural aquifers and the Trinity Watersheds in the region. Reduced sanitary sewer overflows and leakages protect the Trinity watershed and reduce risks to public water supplies and public health.

7. **Is the project budget scalable?** ☒ yes ☐ no

8. **Describe how a scaled budget would impact the overall project,** its expected benefits and state the minimum budget amount that would be viable (see Instructions E.7 for scaled budget examples). [500 characters max.]

   This project is scalable by doing a portion of the project. We have divided this project into zones that can be done independently or adjusted to maximize funding allocation.

9. **Major Tasks, Schedule and Budget for Project Solicitation**

   Please complete MS Excel table available at https://northcoastresourcepartnership.org/ncrp-proposition-1-irwm-round-2-solicitation/see instructions for the information to be included in this document and for how to submit the required excel document with the application materials.

10. **Project Tasks, Budget and Schedule Notes:**

    None

11. **Project Information Notes.** Please provide any information that that has not been specifically requested that you feel is important for the NCRP to know about your project.

    None

Major Tasks, Schedule and Budget for North Coast Resource Partnership IRWM Project Solicitation

Project Name: Sewer Lining Project
Organization Name: Weaverville Sanitary District

Task #	Major Tasks	Task Description	Major Deliverables	IRWM Task Budget	Non-State Match	Other Match	Total Task Budget	25% Scaled IRWM Budget	50% Scaled IRWM Budget	Current Stage of Completion (%)	Start Date	Completion Date
A	**Category (a): Direct Project Administration**											
1	Project Management	In cooperation with the County of Humboldt sign a sub-grantee agreement for work to be completed on this project. Develop invoices with support documentation. Provide audited financial statements and other deliverables as required	Invoices, audited financial statements and other deliverables as required	$2,500.00	$0.00	$0.00	$2,500.00	$1,875.00	$1,250.00	0%	4/1/23	11/1/25
2	Reporting	Develop monthly reports describing work completed, challenges, and strategies for reaching remaining project objectives. Develop Final Report	Quarterly and Final Reports	$2,500.00	$0.00	$0.00	$2,500.00	$1,875.00	$1,250.00	0%	4/1/23	11/1/25
B	**Category (b): Planning/Design/Engineering/Environmental Documentation**											
1	Final Design /Plans	Develop a project manual including drawings and specifications for bid		$10,000.00	$0.00	$0.00	$10,000.00	$7,500.00	$5,000.00		8/1/23	11/1/23
2	Environmental Documentation: CEQA	Submit Categorical Exemption for replacement of existing infrastructure	Categorical Exemption filed with the state clearing house	$1,000.00	$0.00	$0.00	$1,000.00	$750.00	$500.00	0%	8/1/23	11/1/23
3	Permit Development Trinity County Encroachment Permit	Develop and submit an encroachment permit for all construction activities within Trinity County Right of Way	Final Trinity County Encroachment permit	$5,000.00	$0.00	$0.00	$5,000.00	$3,750.00	$2,500.00	0%	9/1/23	11/1/25
C	**Category (c): Construction/Implementation**											
1	Contract Services	Develop Advertisement for bids and contract documents, conduct pre-bid contractors meeting; assist with evaluation of bids and awards contracts.	Bid Documents; Proof of Advertisement; Award of Contract; Notice to Proceed	$25,000.00	$0.00	$0.00	$25,000.00	$18,750.00	$12,500.00	0%	9/1/23	11/1/23
2	Mobilization and Site Preparation	Prepare site and mobilize project ; Order project equipment and supplies; ensure project permits are in place.	Summary of site preparation activies in quarterly reports	$25,000.00	$0.00	$0.00	$25,000.00	$18,750.00	$12,500.00	0%	11/1/23	11/1/25
3	Project Construction/Implementation	Installation of 24,300 feet of 6-inch sewer pipe liner	Summary of construction activities in progress report, photo documentation, Construction complete	$1,429,400.00	$0.00	$0.00	$1,429,400.00	$1,072,050.00	$714,700.00	0%	11/1/23	11/1/25
4	Project Construction/Implementation: 2% Contingency	2% Construction Contingency	Summary of construction activities in progress report, photo documentation, Construction complete	$28,588.00	$0.00	$0.00	$28,588.00	$21,441.00	$14,294.00	0%	11/1/23	11/1/25
5	Project Performance Monitoring	The performance of the project will be monitored in accordance to the Monitoring Plan using the following measurement tools and methods: Comparing the number of amount of flow and blockage removal calls in each zone before and after the project.	Project performance updates	$1,000.00	$0.00	$0.00	$1,000.00	$750.00	$500.00	0%	4/1/23	Ongoing
	Total North Coast Resource Partnership IRWM Grant Request			**$1,529,988.00**	**$0.00**	**$0.00**	**$1,529,988.00**	**$1,147,491.00**	**$764,994.00**			
	Percentage of Total Project Cost			**100%**	**0%**	**0%**	**100%**	**75%**	**50%**			

NORTH COAST RESOURCE PARTNERSHIP

ORGANIZATION INFORMATION

1. **Project Name:**
   Sewer Lining Project

2. **Applicant Organization Name:**
   Weaverville Sanitary District

3. **Contact Name/Title**
   Name: Jim Cloud
   Title: General Manager
   Email: weavervillesd@yahoo.com
   Phone Number (include area code): 530-623-6529

4. **Organization Address (City, County, State, Zip Code):**
   PO Box 1949, Weaverville, Trinity, California, 96093

5. **Organization Type**
   ☐ Public agency
   ☐ 501(c)(3) Non-profit organization
   ☐ Public utility
   ☐ Federally recognized Indian Tribe
   ☐ California State Indian Tribe listed on the Native American Heritage Commission's California Tribal Consultation List
   ☐ Mutual water company
   ☒ Other: Special District

6. **Authorized Representative** (if different from the contact's name)
   Name:
   Title:
   Email:
   Phone Number (include area code):

7. **List all projects the organization is submitting to the NCRP for this Solicitation in order of priority.**
   Sewer Lining Project

8. **Organization Information Notes:**

NORTH COAST RESOURCE PARTNERSHIP

ELIGIBILITY

1. North Coast Resource Partnership Goals and Objectives

GOAL 1: INTRAREGIONAL COOPERATION & ADAPTIVE MANAGEMENT

☒ Objective 1 - Respect local autonomy and local knowledge in Plan and project development and implementation

☒ Objective 2 - Provide an ongoing framework for inclusive, efficient intraregional cooperation and effective, accountable NCRP project implementation

☐ Objective 3 - Integrate Traditional Ecological Knowledge in collaboration with Tribes to incorporate these practices into North Coast Projects and Plans

GOAL 2: ECONOMIC VITALITY

☒ Objective 4 - Ensure that economically disadvantaged communities are supported and that project implementation enhances the economic vitality of disadvantaged communities by improving built and natural infrastructure systems and promoting adequate housing

☒ Objective 5 - Conserve and improve the economic benefits of North Coast Region working landscapes and natural areas

GOAL 3: ECOSYSTEM CONSERVATION AND ENHANCEMENT

☒ Objective 6 – Conserve, enhance, and restore watersheds and aquatic ecosystems, including functions, habitats, and elements that support biological diversity

☒ Objective 7 - Enhance salmonid populations by conserving, enhancing, and restoring required habitats and watershed processes

GOAL 4: BENEFICIAL USES OF WATER

☒ Objective 8 - Ensure water supply reliability and quality for municipal, domestic, agricultural, Tribal, and recreational uses while minimizing impacts to sensitive resources

☒ Objective 9 - Improve drinking water quality and water related infrastructure to protect public health, with a focus on economically disadvantaged communities

☒ Objective 10 - Protect groundwater resources from over-drafting and contamination

GOAL 5: CLIMATE ADAPTATION & ENERGY INDEPENDENCE

☐ Objective 11 - Address climate change effects, impacts, vulnerabilities, including droughts, fires, floods, and sea level rise. Develop adaptation strategies for local and regional sectors to improve air and water quality and promote public health

☒ Objective 12 - Promote local energy independence, water/ energy use efficiency, GHG emission reduction, and jobs creation

GOAL 6: PUBLIC SAFETY

☐ Objective 13 - Improve flood protection, forest and community resiliency to reduce the public safety impacts associated with floods and wildfires

2. Does the project have a minimum 15-year useful life?
   a) ☒ yes ☐ no
   b) If yes, will the organization be able to provide compliance documentation outlined in the instructions should the project be selected as a Priority Project?
   ☒ yes ☐ no

3. Other Eligibility Requirements and Documentation

CALIFORNIA GROUNDWATER MANAGEMENT SUSTAINABILITY COMPLIANCE

a) Does the project directly affect groundwater levels or quality?
   ☒ yes ☐ no
b) If yes, will the organization be able to provide compliance documentation outlined in the instructions including a Groundwater Sustainability Agency letter of support, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
   ☒ yes ☐ no

CASGEM COMPLIANCE

a) Does the project overlie a medium or high groundwater basin as prioritized by DWR?
   ☐ yes ☒ no
b) If yes, list the groundwater basin and CASGEM priority:
c) If yes, please specify the name of the organization that is the designated monitoring entity:
d) If yes, please specify whether the local Groundwater Sustainability Agency has endorsed the project:

URBAN WATER MANAGEMENT PLAN

a) Is the organization required to file an Urban Water Management Plan (UWMP)?
   ☐ yes ☒ no
b) If yes, has DWR verified the current 2020 UWMP?
   ☐ yes ☐ no
c) If the 2020 UWMP has not been verified by DWR, explain and provide anticipated date for verification:
d) Has DWR verified a water loss audit report in accordance with SB 555 as submitted by the urban water supplier?
   ☐ yes ☒ no
e) Does the urban water supplier meet the water meter requirements of CWC 525?
   ☐ yes ☒ no
f) Does the urban water supplier meet the State Water Resources Control Board's Water Conservation and Production Reporting requirement?
   ☐ yes ☒ no

g) If yes, will the organization be able to provide compliance documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
☐ yes ☐ no

AGRICULTURAL WATER MANAGEMENT PLAN

a) Is the organization – or any organization that will receive funding from the project – required to file an Agricultural Water Management Plan (AWMP)?
☐ yes ☒ no

b) If yes, will the organization be able to provide compliance documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
☐ yes ☐ no

SURFACE WATER DIVERSION REPORTS

a) Is the organization required to file State Water Resources Control Board (SWRCB) annual surface water diversion reports per the requirements in CWC Part 5.1?
☐ yes ☒ no

b) If yes, will the organization be able to provide compliance documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
☐ yes ☐ no

STORM WATER MANAGEMENT PLAN

a) Is the project a stormwater and/or dry weather runoff capture project?
☐ yes ☒ no

b) If yes, does the project benefit a Disadvantaged Community with a population of 20,000 or less?
☐ yes ☐ no

c) If this is a stormwater/dry weather runoff project but does not benefit a small DAC population, please provide documentation that the project has been included in a Stormwater Resource Plan that has been incorporated into the NCRP IRWM Plan:

d) If no, will the organization be able to provide documentation that the project is included in a Stormwater Resource Plan that has been incorporated into the NCRP IRWM Plan, should the project be selected as a Priority Project?
☐ yes ☐ no

4. Eligible Project Type under 2022 IRWM Grant Solicitation
   - ☒ Water reuse and recycling for non-potable reuse and direct and indirect potable reuse
   - ☒ Water-use efficiency and water conservation
   - ☒ Local and regional surface and underground water storage, including groundwater aquifer cleanup or recharge projects
   - ☐ Regional water conveyance facilities that improve integration of separate water systems
   - ☒ Watershed protection, restoration, and management projects, including projects that reduce the risk of wildfire or improve water supply reliability
   - ☐ Stormwater resource management projects to reduce, manage, treat, or capture rainwater or stormwater
   - ☐ Stormwater resource management projects that provide multiple benefits such as water quality, water supply, flood control, or open space
   - ☐ Decision support tools that evaluate the benefits and costs of multi-benefit stormwater projects
   - ☐ Stormwater resource management projects to implement a stormwater resource plan
   - ☐ Conjunctive use of surface and groundwater storage facilities
   - ☐ Decision support tools to model regional water management strategies to account for climate change and other changes in regional demand and supply projections
   - ☒ Improvement of water quality, including drinking water treatment and distribution, groundwater and aquifer remediation, matching water quality to water use, wastewater treatment, water pollution prevention, and management of urban and agricultural runoff
   - ☐ Regional projects or programs as defined by the IRWM Planning Act (Water Code §10537)
   - ☐ Other:

5. Describe how the project provides a benefit that meets at least one of the Statewide Priorities as defined in DWR's Final 2022 Guidelines (see page 7) and Tribal priorities as defined by the NCRP?

   This project meets priority 1 and 3 . By reducing inflow and infiltration were reducing overall flow allowing for better treatment and cleaner discharge to our percolation beds which are uphill and only a few hundred feet from protected wetlands areas and weaver creek (a tributary to the Trinity River). Additionally, leaking pipes and blockages create potential surface and groundwater contamination, polluting water supply and endangering the health and safety of the public.

NORTH COAST RESOURCE PARTNERSHIP

CERTIFICATION OF AUTHORITY

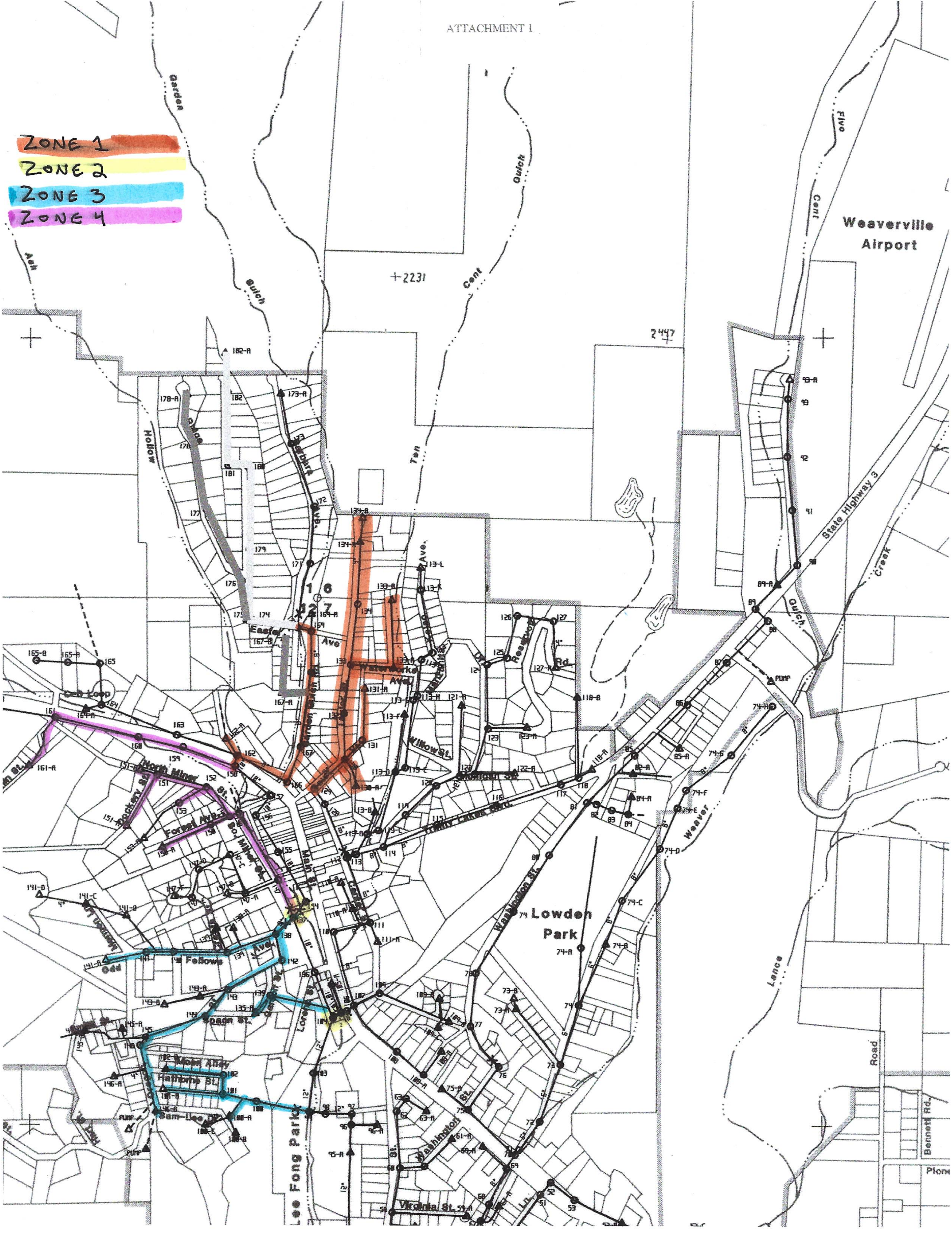
By signing below, the Authorized Representative executing the certificate on behalf of the Project Sponsor affirmatively represents that s/he has the requisite legal authority to do so on behalf of the Project Sponsor. The Authorized Representative executing this proposal on behalf of the project sponsor understands that the NCRP is relying on this representation in receiving and considering this proposal. The person signing below hereby acknowledges that s/he has read the entire NCRP 2022 Project Review and Selection Process Guidelines and the NCRP 2022 Proposition 1 IRWM Round 2 Project Application & Instructions documents and has complied with all requirements listed therein.

Official Authorized to Sign for Proposal

Signature

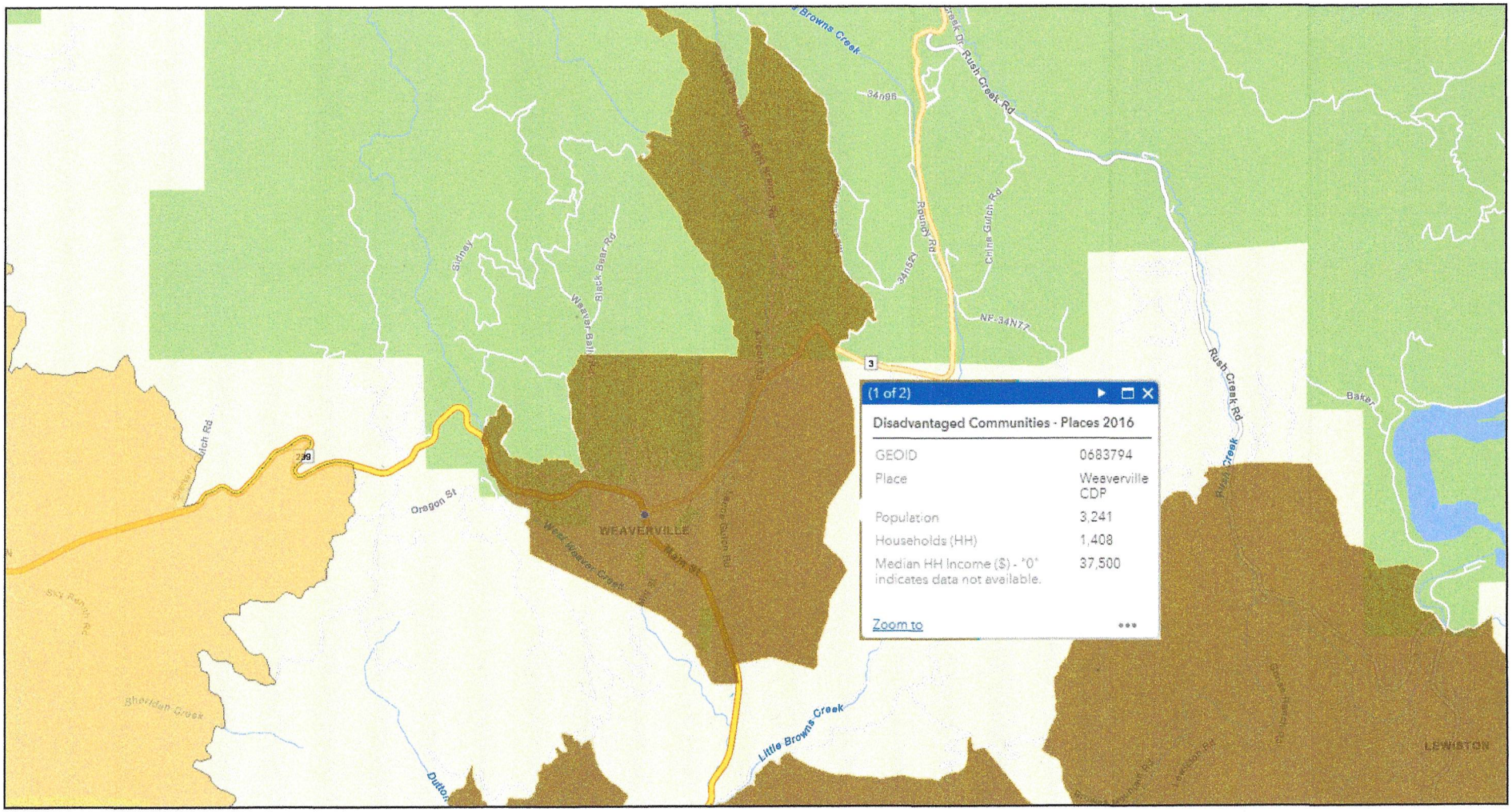
Jim Cloud

Date
11-4-2022


ZONE 1
ZONE 2
ZONE 3
ZONE 4
Weaverville Airport
State Highway 3
Lowden Park
Lee Fong Park
Garden
Gulch
Ten
Cent
Gulch
Five
Cent
Gulch
Creek
Weaver
Lance
Road
Bennett Rd.
Hollow
Ash
Easter
Ave
Waterworks Ave
Willow St.
Trinity Lakes Blvd.
Main St.
Washington St.
Virginia St.
Washington
North Miner St.
So. Miner St.
Forest Ave
Fellows
Odd
Spada St.
Moon Alley
Hathorn St.
Sam Lee
Reservoir
Rd.
Locke St.
Barbara
Ave.
Court St.
PUMP
+2231
2447

ATTACHMENT 2

Weaverville SDAC Map



3/14/2019, 2:33:49 PM

- California Counties

Disadvantaged Communities - Places 2016

- Data Not Available
- Severely Disadvantaged Communities (MHI < $38,270)
- Disadvantaged Communities ($38,270 >MHI< $51,026)

1:72,224

0 0.5 1 2 mi

0 1 2 4 km

US Census Bureau, U.S. Bureau of Reclamation, California Department of Conservation, California Department of Fish and Game, California Department of Forestry and Fire Protection, National Oceanic and Atmospheric Administration

Web AppBuilder for ArcGIS

US Census Bureau | DWR IRWM | Department of Water Resources: | California Department of Water Resources | U.S. Bureau of Reclamation, California Department of Conservation, California Department of Fish and Game, California Department of Forestry and Fire Protection, National Oceanic and Atmospheric

ATTACHMENT 3

INTRODUCTION

Most of the community of Weaverville is served by a publicly owned sewer system under the authority of the Weaverville Sanitary District (WSD or District). Some of the outlying residential areas and the commercial area at the south end of town, called the "straight stretch," are still on septic systems.

The sewer system began in about 1957, at which time an assessment district (1957-1) was formed within the WSD to finance the sewage collection system. Not all of the properties within the WSD were included within the assessment district. Thus, some properties have been assessed for a collection system and others have not. The initial treatment plant and the trunk sewers were funded by a general obligation bond issue, together with federal grant funds. The bonds were repaid with an ad valorem tax on all properties within the WSD. Through the years numerous sewer main extensions have been added to the initial system. In 1972-73 a new treatment plant was constructed adjacent to the older plant in order to meet more stringent discharge standards. This plant was funded mainly by a Clean Water (Federal-State) Grant, but assisted by local financing through Farmers Home Administration (FmHA) revenue bonds. These are being repaid essentially from users' fees.

The plant and the sewer system are generally quite adequate to meet the community's present needs. The treatment plant was designed for a population equivalent of 5,000 people and is currently serving a population equivalent of just over 2,500 people. However, there are some improvements to the plant that are needed to allow continued growth within the sanitary district.

Because the existing collection system has an excessive amount of ground and surface water infiltration/inflow (I/I) due to leakage in the piping system, some of the larger sewers operate at maximum capacity during intense wet weather periods when the ground tends to be saturated. On a few of these occasions the main trunk sewer has had overflows. These high historical flows, peaking at approximately 1.5 to 1.6 million gallons per day (MGD) have also caused the treatment plant to be operated at its maximum design capacity. These peak flows are approximately six times the average dry weather flow. As a result of these conditions, based on recommendations by PACE Engineering, the District has already (the past few years) began a program of I/I control. The District staff began by smoke testing the entire sewer system. Some leaks were detected. Most of the observed leakage was in private laterals. Compliance notices were sent to about 52 property owners and in all cases remedial and corrective action was taken. The District also had approximately 86 leaking manholes repaired by injection gel sealing by a Contractor. Finally, the District also adopted an ordinance prohibiting leakage in private sewer laterals in excess of 200 gallons per day. This was done in anticipation of future testing of private laterals in an attempt to further reduce I/I. Television inspection and grout sealing of selected main sewers and repair of leaking laterals is the next anticipated I/I control measure following this study.

Although the treatment plant is usually only operating slightly over half of its design capacity, the solids (sludge) storage facilities are currently at full capacity. These facilities were simply undersized. Modifications have been made to allow the system to function properly until now, but major improvements are now necessary to allow for significant new growth. Without such improvements, odors, especially during the spring months, will occur and increased complaints from neighbors can be expected.

The current policy of the District is that each user pay for construction of their own collection system and lateral sewer that benefits their property. This was how sewers were paid for under the original 1957-1 assessment district, for example. In addition to funding their collection system and lateral, each new user must also pay a connection fee (capital improvement fee) that is needed to pay for their share of future general improvements, (such as expansion of the treatment plant, enlargement of existing trunk sewers, or accelerated I/I control programs that in effect yield additional capacity for growth). Currently, the sewer connection fee is $600 per household equivalent. This fee is lower than most sewer agencies and needs to be evaluated.

Occasionally, someone connects to the sewer system who has not paid for the collection system benefitting their property. In order to bring about equity, the District now charges such users a front footage fee (currently $6.00 per foot) to pay for the collection system. Such fees are rarely collected since most new users have somehow paid for their share of the collection system. As an example, sewers in a subdivision are usually funded by the developer/property owner and the lot buyer essentially pays for these sewer improvements in the purchase price of the lot; consequently, these new users do not pay the frontage fee. The existing frontage fee is considerably lower than the normal cost of a sewer collection system and this fee also needs to be evaluated.

The operation and maintenance of the District is funded primarily by a monthly users fee, which is currently set at $10.00 per residential unit and equivalent charges for other users based on water usage or household equipvalents. This amount must not only cover operation and maintenance, but should also include a

contribution towards a replacement reserve fund. Currently, the capital improvement/replacement fund balance is about $200,000.

In view of the need to more adequately describe the pending improvements and to evaluate the necessary future improvements and their costs, the Board of Directors retained PACE Engineering to do this Master Plan of Sewer Improvements. A Weaverville Community Plan is currently being developed by the Trinity County Planning Department and was in draft form (May 3, 1988) during preparation of this study. The Community Plan land use designations were used as the basis for estimating future growth and the resulting sewer flows.

ABBREVIATIONS

Certain terms have been abbreviated in the following report as follows:

Abbreviation	Term	Description
I/I	Infiltration and Inflow	Leakage of groundwater and surface water inflow into the sewer system.
MGD	Million Gallons per Day	A rate of hydraulic flow.
ADWF	Average Dry Weather Flow	This is usually the average sewage flow during summer months when little I/I is present.
PWWF	Peak Wet Weather Flow	Maximum flow during worst wet weather conditions.
HE	Household Equivalent	Usually refers to the average flow or organic loading from the average residential unit. Commercial usage is often rated in household equivalents. In this study, 1 HE equals 200 gallons per day.