TOWN OF PAONIA



Monday, February 28, 2022 ork Session followed by Special Town Board Meeting Agenda 5:30 PM

BE ADVISED:

MASKS REQUIRED FOR IN-PERSON ATTENDEES.

INFORMATION FOR VIRTUAL MEETING ATTENDANCE IS PROVIDED BELOW. THERE WILL BE NO LIVESTREAM AVAILABLE BUT THE MEETING WILL BE UPLOADED TO YOUTUBE FOLLOWING THE MEETING. CORINNE FERGUSON IS INVITING YOU TO A SCHEDULED ZOOM MEETING.

> TOPIC: BOARD OF TRUSTEES SPECIAL MEETING - PROPOSED ORDINANCE TIME: FEB 28, 2022 05:30 PM MOUNTAIN TIME (US AND CANADA)

> > JOIN MEETING https://us02web.zoom.us/j/83768542825

MEETING ID: 837 6854 2825 ONE TAP MOBILE +13462487799,,87552676322# DIAL BY YOUR LOCATION +1 346 248 7799 US MEETING ID: 837 6854 2825

Work Session Followed by Special Meeting

Roll Call

1. Roll Call

Work Session Presentation

2. WORK SESSION: SGM - Capital Improvement Plan/Asset Inventory & System Mapping Presentation

Adjournment & Short Recess

Roll Call

<u>3.</u> Roll Call

Approval of Agenda

4. Agenda Approval

Announcements

5. Announcements

New Business

<u>6.</u> Special Meeting: SGM - Capital Improvement Plan/Asset Inventory & System Mapping Presentation follow-up discussion and possible action regarding planning for the water system

Adjournment

7. Adjournment

NOTE: POSSIBLE ACTION ON ALL AGENDA ITEMS UNLESS OTHERWISE SPECIFICALLY NOTED AS DISCUSSION ONLY

AS ADOPTED BY:

TOWN OF PAONIA, COLORADO RESOLUTION NO. 2017-10 – Amended May 22, 2018

I. RULES OF PROCEDURE

Section 1. Schedule of Meetings. Regular Board of Trustees meetings shall be held on the second and fourth Tuesdays of each month, except on legal holidays, or as re-scheduled or amended and posted on the agenda prior to the scheduled meeting.

Section 2. Officiating Officer. The meetings of the Board of Trustees shall be conducted by the Mayor or, in the Mayor's absence, the Mayor Pro-Tem. The Town Clerk or a designee of the Board shall record the minutes of the meetings.

Section 3. Time of Meetings. Regular meetings of the Board of Trustees shall begin at 6:30 p.m. or as scheduled and posted on the agenda. Board Members shall be called to order by the Mayor. The meetings shall open with the presiding officer leading the Board in the Pledge of Allegiance. The Town Clerk shall then proceed to call the roll, note the absences and announce whether a quorum is present. Regular Meetings are scheduled for three hours, and shall be adjourned at 9:30 p.m., unless a majority of the Board votes in the affirmative to extend the meeting, by a specific amount of time.

Section 4. Schedule of Business. If a quorum is present, the Board of Trustees shall proceed with the business before it, which shall be conducted in the following manner. Note that all provided times are estimated:

- (a) Roll Call (5 minutes)
- (b) Approval of Agenda (5 minutes)
- (c) Announcements (5 minutes)
- (d) Recognition of Visitors and Guests (10 minutes)
- (e) Consent Agenda including Approval of Prior Meeting Minutes (10 minutes)
- (f) Mayor's Report (10 minutes)
- (g) Staff Reports: (15 minutes)
 - (1) Town Administrator's Report
 - (2) Public Works Reports
 - (3) Police Report
 - (4) Treasurer Report
- (h) Unfinished Business (45 minutes)
- (i) New Business (45 minutes)
- (j) Disbursements (15 minutes)
- (k) Committee Reports (15 minutes)
- (l) Adjournment

* This schedule of business is subject to change and amendment.

Section 5. Priority and Order of Business. Questions relative to the priority of business and order shall be decided by the Mayor without debate, subject in all cases to an appeal to the Board of Trustees.

Section 6. Conduct of Board Members. Town Board Members shall treat other Board Members and the public in a civil and polite manner and shall comply with the Standards of Conduct for Elected Officials of the Town. Board Members shall address Town Staff and the Mayor by his/her title, other Board Members by the title of Trustee or the appropriate honorific (i.e.: Mr., Mrs. or Ms.), and members of the public by the appropriate honorific. Subject to the Mayor's discretion, Board Members shall be limited to speaking two times when debating an item on the agenda. Making a motion, asking a question or making a suggestion are not counted as speaking in a debate.

Section 7. Presentations to the Board. Items on the agenda presented by individuals, businesses or other organizations shall be given up to 5 minutes to make a presentation. On certain issues, presenters may be given more time, as determined by the Mayor and Town Staff. After the presentation, Trustees shall be given the opportunity to ask questions.

Section 8. Public Comment. After discussion of an agenda item by the Board of Trustees has concluded, the Mayor shall open the floor for comment from members of the public, who shall be allowed the opportunity to comment or ask questions on the agenda item. Each member of the public wishing to address the Town Board shall be recognized by the presiding officer before speaking. Members of the public shall speak from the podium, stating their name, the address of their residence and any group they are representing prior to making comment or asking a question. Comments shall be directed to the Mayor or presiding officer, not to an individual Trustee or Town employee. Comments or questions should be confined to the agenda item or issue(s) under discussion. The speaker should offer factual information and refrain from obscene language and personal attacks.

Section 9. Unacceptable Behavior. Disruptive behavior shall result in expulsion from the meeting.

Section 10. Posting of Rules of Procedure for Paonia Board of Trustees Meetings. These rules of procedure shall be provided in the Town Hall meeting room for each Board of Trustees meeting so that all attendees know how the meeting will be conducted.

II. CONSENT AGENDA

Section 1. Use of Consent Agenda. The Mayor, working with Town Staff, shall place items on the Consent Agenda. By using a Consent Agenda, the Board has consented to the consideration of certain items as a group under one motion. Should a Consent Agenda be used at a meeting, an appropriate amount of discussion time will be allowed to review any item upon request. Section 2. General Guidelines. Items for consent are those which usually do not require discussion or explanation prior to action by the Board, are non-controversial and/or similar in content, or are those items which have already been discussed or explained and do not require further discussion or explanation. Such agenda items may include ministerial tasks such as, but not limited to, approval of previous meeting minutes, approval of staff reports, addressing routine correspondence, approval of liquor licenses renewals and approval or extension of other Town licenses. Minor changes in the minutes such as non-material Scribner errors may be made without removing the minutes from the Consent Agenda. Should any Trustee feel there is a material error in the minutes, they should request the minutes be removed from the Consent Agenda for Board discussion.

Section 3. Removal of Item from Consent Agenda. One or more items may be removed from the Consent Agenda by a timely request of any Trustee. A request is timely if made prior to the vote on the Consent Agenda. The request does not require a second or a vote by the Board. An item removed from the Consent Agenda will then be discussed and acted on separately either immediately following the consideration of the Consent Agenda or placed later on the agenda, at the discretion of the Board.

III. EXECUTIVE SESSION

Section 1. An executive session may only be called at a regular or special Board meeting where official action may be taken by the Board, not at a work session of the Board. To convene an executive session, the Board shall announce to the public in the open meeting the topic to be discussed in the executive session, including specific citation to the statute authorizing the Board to meet in an executive session and identifying the particular matter to be discussed "in as much detail as possible without compromising the purpose for which the executive session is authorized." In the even the Board plans to discuss more than one of the authorized topics in the executive session, each should be announced, cited and described. Following the announcement of the intent to convene an executive session, a motion must then be made and seconded. In order to go into executive session, there must be the affirmative vote of two thirds (2/3) of Members of the Board.

Section 2. During executive session, minutes or notes of the deliberations should not be taken. Since meeting minutes are subject to inspection under the Colorado Open Records Act, the keeping of minutes would defeat the private nature of executive session. In addition, the deliberations carried out during executive session should not be discussed outside of that session or with individuals not participating in the session. The contexts of an executive session are to remain confidential unless a majority of the Trustees vote to disclose the contents of the executive session.

Section 3. Once the deliberations have taken place in executive session, the Board should reconvene in regular session to take any formal action decided upon during the executive session. If you have questions regarding the wording of the motion or whether any other information should be disclosed on the record, it is essential for you to consult with the Town Attorney on these matters.

IV. SUBJECT TO AMENDMENT

Section 1. Deviations. The Board may deviate from the procedures set forth in this Resolution, if, in its sole discretion, such deviation is necessary under the circumstances.

Section 2. Amendment. The Board may amend these Rules of Procedures Policy from time to time.

PAONIA COOLLOORADO	oll Call		
Summary:			
Notes:			
Possible Motions:			
Motion by:	2 nd :	vote:	
Vote:	Mayor Bachran	Trustee Budinger	Trustee Johnson
Trustee Knutson	Vacant	Trustee Smith	Trustee Thompson



WORK SESSION: SGM - Capital Improvement Plan/Asset Inventory & System Mapping Presentation

Summary:

Brandyn Bair, Primary Town engineer with SGM engineering to present mapping and inventory. Final draft document attached.

Notes:

Possible Motions:			
	and		
Motion by:	2 nd :	vote:	
Vote:	Mayor Bachran	Trustee Budinger	Trustee Johnson
Trustee Knutson	Vacant	Trustee Smith	Trustee Thompson

ASSET INVENTORY/CAPITAL IMPROVEMENT PLAN

TOWN OF PAONIA



September 2021

Prepared by



118 West Sixth Street, Suite 200 Glenwood Springs, CO 81601 970.945.1004 970.945.5948 fax

Asset Inventory and Capital Improvement Plan

TOWN OF PAONIA

PREPARED BY BRANDYN BAIR, PE – CIVIL ENGINEER

SGM Project # 2013-471.008

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1.0 Executive Summary

1.1 Project Overview

SGM was selected by the Town of Paonia (Town) through a competitive RFP process to complete an Asset Inventory/Capital Improvement Plan. This Asset Inventory/Capital Improvement Plan was funded in part through a Department of Local Affairs (DOLA) Grant to complete a comprehensive assessment of all the Town's assets. This project includes documenting current conditions and assessing buildings, infrastructure, open spaces, and park facilities in order to document informed deficiencies, recommendations, and corresponding cost estimates for proposed capital projects. This Assessment is planned to be used by the Town of Paonia for planning and budgeting and is also part of a larger succession planning effort for Town Hall; creating a roadmap for current and future needs.

The assessment includes the following components:

1. This report which provides narrative descriptions of buildings, parks, streets, water, wastewater, etc., recommendations, and a summary of the corresponding cost estimates.

1.2 Document Scope and Purpose

SGM completed multiple site visits during 2020 to begin the Asset Inventory/Capital Improvement Plan. SGM then developed this report to summarize the existing condition of Town assets and proposed capital improvements and their associated costs.

1.3 Capital Assessment Format

Each asset category has its own section including a general description, a summary of condition assessment, recommended improvements, and estimated costs

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2.0 Street System

2.1 Streets

The Town's street and road system consists of mainly asphalt roadways with some gravel roads which are largely alleyways or short dead end branches. The Town maintains roads within its boundaries which are:

- Intersection of 4th and Grand to the north.
- Intersection of Samuel Wade and Highway 133 to the west. Note: side streets between Highway 133 and the North Fork of the Gunnison River are the responsibilities of the County.
- Intersection of Mathews Lane and Niagara Ave, intersection of 1st St and Lamborn Mesa Rd, and the intersection of Colorado Ave and Meadowbrook Blvd to the South
- Intersection of 7th St and Black Bridge Rd to the east

The total street and road system consists of approximately 2.35 miles of asphalt roadways and 0.24 miles (1,275 feet) of concrete paved roadways.

2.1.1 Streets Condition Assessment

SGM conducted an assessment of the Town's roads using the Pavement Surface Evaluation and Rating (PASER) method. The PASER method considers surface defects, cracking and surface deformations in determining the rating. A copy of PASER manual is provided in the appendices.

SGM walked all of the streets in Town and rated each section which was defined as the segment of roadway between streets. The PASER system provides a range of ratings, from a 10 for to a newly constructed road to a 1 for roads that have completely failed. Table 2-1 summarizes the condition of the Town's roads; a map of the streets and their ratings is attached in Appendix A.

Table 2-11 AOER Ratings		
Number of sections		
3		
8		
21		
23		
24		
13		
4		
0		
4		
0		

Table 2-1 PASER Ratings

Except for the newly repaved sections, most sections of the roads exhibit moderate to severe surface wear and defects referred to as raveling and polishing.

- Raveling is the progressive loss of asphalt material and the loss of the bond between aggregate and the binder which results in the deterioration of the road surface. Exposure to UV light and regular vehicle traffic can also contribute to raveling.
- Polishing is the smoothing of the exposed aggregate caused by vehicle and traffic loading.

Virtually all sections of the roads exhibit some type of surface cracking. Surface cracking is generally caused by fatigue from traffic, inadequate or deteriorating subgrade support, temperature changes and hardening over time. Surface cracks tend to fall within the following categories:

- Longitudinal cracks run in the direction of traffic. Moisture can seep beneath the road and cause the subgrade to weaken which can contribute to the cracks expanding if the cracks are not sealed or maintained.
- Transverse cracks run perpendicular to traffic. If not addressed, transverse cracks will develop parallel cracks which will allow additional moisture to penetrate the road and weaken the subgrade.
- Block/Alligator cracks are interconnected forming blocks. Large blocks (larger than ~1ft) are categorized as block cracking and smaller blocks (less than ~1ft) are alligator cracking. If not addressed, chunks of asphalt can separate from the road and create potholes.

2.1.2 Street Monitoring Requirements

The Town should perform an inspection of all the roads at a minimum of every 3 years. The Town should use either the PASER method or another rating/evaluation method – the key component of these inspections is to be consistent with the method of evaluation over time.

- Long Term Pavement Plan Any road from the recent PASER evaluation with a rating of 5 or less should be slated for repaying. A per-year budget for paying operations should be established in conjunction with the Delta County paying plans.
- <u>Routine Maintenance, Gravel Roads</u> Gravel/dirt roads should be regraded in the late spring each year to mitigate potholing and washboarding that forms over the previous year.
- <u>Routine Maintenance, Asphalt Roads</u> Once a road is repaved, chip and seal (chip seal) is recommended to provide a wearing course and significantly lengthen the lifespan of the asphalt. Chip sealing is generally recommended for lower-traffic roads but may be applicable for all of the Town's roads. In addition, crack sealing should be performed each year on asphalt roads to prevent water infiltration and potholing.

2.1.3 Street Improvement Recommendations

The Town should consider repairing critical streets, particularly those with the worst PASER ratings. Sections of roads that have a PASER rating of 6 or greater are good candidates for chip seal application. Using chip seal of these sections would serve to extend the life of these sections by adding a protective layer to the roadway surface.

Chip sealing is not recommended for roads with a PASER rating of 5 or less; any temporary benefits provided by the chip sealing would quickly degrade due to the poor condition of the underlying roads.

Estimated 2020 costs for road rehabilitation options are shown in Table 2-2. Costs are estimated based on bid tabulations from nearby communities for 2020 projects.

Table 2-2 Estimated 2020 Paving Costs		
Operation	Cost per SF	
Full Road Rebuild	\$10.55 ¹	
Pavement Milling	\$0.25 ²	
Asphalt Overlay	\$1.75 ²	
3/8" Chip Seal	\$0.35	
Fog Seal	\$0.05	

Table 2-2	Estimated	2020	Paving	Costs
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Notes: 1. Assume 18" pit run with 6" Class 6 base and 4" Asphalt 2 - Cost reflects 2" depth

The Town should consider setting aside an amount annually to fund street and road resurfacing and repairs. Included in this reserve are the repairs of curb and gutter and sidewalks. The Town needs to plan for upgrading and installing ADA compliant ramps at intersections and pedestrian safety improvements where applicable. It is recommended that the Town strive to reserve \$100,000 - 150,000 per year for improvements.

2.1.4 Curb/Gutter/Sidewalks

SGM assessed the curb/gutter and sidewalks throughout Town. Each side of the block was assessed and tabulated. The assessment is provided in Appendix A. The assessment was done visually with the following rating system:

- Very Good Few or no cracking, little to no surface wear; no tree impacts •
- Good Low cracking; minor surface wear; low tree impacts •
- Moderate Modest cracking; some surface wear; some tree impacts
- Poor – Substantial cracking; high surface wear; high tree impacts

The intent of the rating is to provide the Town a general sense of the condition of the curb/gutter/sidewalk in a given block. Additional follow-up is necessary to determine the exact extents of potential replacement of the curb/gutter and sidewalks in a given block.

Table 2-3 Estimated 2020 Concrete Costs		
Operation	Cost	
Sidewalk	\$56/SY	
Curb and Gutter	\$40/LF	

Table 0.2 Fatimated 2020 Concrete Costs

3.0 Water System

The existing water system (Colorado Public Water System ID NO. CO0115601) is composed of multiple spring sources and associated raw water infrastructure, two water treatment plants, two finished water storage tanks, and multiple miles of distribution piping.

3.1 Distribution System

The Town's treated water distribution system consists of approximately 22.7 miles of piping, all fed by gravity from the WTP. The table below provides a summary of the system's piping.

Table 5-1 Distribution System Piping Summary			
Pipe Diameter (in)	Pipe Material	Length (ft)	
0.75	HDPE	590	
2	HDPE	294	
2	PVC	4,618	
4	DIP	3,719	
4	PVC	16,618	
5	Cast Iron	3,787	
6	Cast Iron	1,057	
6	DIP	10,150	
6	PVC	23,650	
8	DIP	6,184	
8	PVC	36,398	
8	Steel	8,197	
10	DIP	2,835	
12	HDPE	652	
12	PVC	995	
	Total	119,744	

Table 3-1 Distributio	n System	Pipina	Summary
	in Oystein	i ipilig	Gammary

3.1.1 Hydraulic Model

A hydraulic model was not included in our scope, but is currently being developed by another consultant. Distribution condition assessment should be reevaluated at the completion of hydraulic model project to determine if lines need to be upgraded due to pressure or fire flow concerns.

3.1.2 Distribution System Condition Assessment

SGM used the GIS map for this assessment. Mapping included water mains, service connections/meter pits, valves, fire hydrants, pressure reducing valve vaults, water storage tanks, and water treatment plants. In addition to the length of water main indicated above, we recorded 90 fire hydrants (and valves) and 156 water system valves.

The Town noted the several sections of the distribution piping where there are significant problems. These are highlighted in red within the spreadsheet. These areas include Lee's Trailer Park where the existing water mains are run underneath the trailers, thin wall PVC (not C900) between the air and vacuum valve to Minnesota Creek Road, and multiple locations of the 5 and 6-inch cast iron pipes that are corroding, causing significant emergency waterline repairs on a yearly basis.

The spreadsheet (assessment) is provided in Appendix B. This spreadsheet, in conjunction with the GIS map provides the Town with a road map to methodically replace aging infrastructure. As detailed in the spreadsheet, SGM evaluated every section of distribution line within the system, attached a install date, estimated an original cost, and established a useful life based on industry standards. From this information, we estimated remaining useful life and future repairs and replacement costs.

3.1.3 Distribution System Capital Improvement Recommendations

As shown on the spreadsheet there is an estimated future replacement cost of **\$112,890,303**, not including water system valves and fire hydrants. Understand this number represents every line in the system and many of these lines still have multiple years remaining of estimated useful life. SGM has highlighted the sections (red) that should be the Town's highest priority for replacement, with a total replacement cost of **\$3,204,277**.

The second priority (highlighted yellow) list should be replacing the 8-inch steel pipe that is approaching its useful life. This has a total replacement cost of **\$2,480,537**.

3.2 Water Treatment Plant (WTP)

The Lamborn Mesa WTP was commissioned in 1983 and upgraded in 2015. The system includes the following: raw water supply from multiple springs sources, raw water pumps, three membrane filter skids (two production (600 gpm), one recycle (48 gpm)), backwash systems, chlorine injection, clearwell, and finish water pumps to pump water to Lamborn Mesa storage tank.

The Clock WTP was upgraded in 2010. The system includes the following: raw water supply from multiple springs sources, prefiltration through bag filters, two membrane skids, backwash systems, chlorine injection, and gravity flow to Clock storage tank.

3.2.1 WTP Process Assessment

Most of the WTP's process equipment at both plants appears to be in working condition and has been reasonably maintained. The piping, instrumentation, and chlorine disinfection equipment appear to be all funcitioning.

3.2.2 WTP Capital Improvement Projects

Given that both WTP's have been upgraded within the last 10 years to comply with CDPHE regulations SGM isn't recommending any capital projects associated with the WTP's. We have included replacement cost on the asset spreadsheet, but those should be used more as planning numbers if new water treatment plants are needed.

3.3 Water Storage Tanks

The Town has two finished water storage tanks, Lamborn Mesa Tank and the Clock Tank.

3.3.1 Lamborn Mesa Tank

The Lamborn Mesa Tank was built in 1983 and is located above the Lamborn Mesa WTP. It has a capacity of 2,000,000 gallons. The Lamborn Mesa Tank is a welded steel tank that is

approximately 32 feet tall and has a 152-foot diameter. The water tank has the appropriate overflow, drain line, manway access, and tank vent. Access to the roof is by a locked caged ladder. The tank site has security fencing and a locked gate at the access road

• Lamborn Mesa Tank had the interior and exterior coating replaced in 2005. Spreadsheet estimates future rehab/replacement.

3.3.2 Clock Tank

The Clock Tank was built in the 1960's and is located at the Clock WTP. It has a capacity of 1,000,000 gallons. The Clock Tank is a below grade concrete tank with metal roof that is approximately 130 feet x 105 feet x 10 tall. The tank has the appropriate overflow and drain lines, and venting. Access to tank is gained through locked door as part of roof structure. The tank site has security fencing and a locked gate.

• Clock Tank was rehabbed in 2015 and recoated in 2018. Spreadsheet estimates future rehab/replacement.

3.4 Water System Funding Opportunities

- USDA Rural Development
- CO-Water Pollution Revolving Fund Program
- CO-DOLA Energy and Mineral Impact Assistance Fund (EIAF)
- CO-CDPHE Water Quality Improvement Fund
- EPA-Federal Resources for Sustainable Rural Communities

Wastewater System 4.0

The existing wastewater collection system receives wastewater from residential and commercial customers and conveys it to the Wastewater Treatment Plant (WWTP, Colorado Discharge Permit System Number CO0047431). The collection system is entirely a gravity system, consisting of service laterals, manholes, and gravity sewer mains.

4.1 **Collection System**

As shown in the table, there is approximately 10.5 miles of pipe in the Town's collection system. The collection system is composed of approximately 63% PVC piping and 37% vitrified clay piping (VCP).

Pipe Diameter (in)	Pipe Material	Length (ft)
8	PVC, SDR 35	18,176
8	VCP	16,556
10	PVC, SDR 35	6,348
15	PVC, SDR 35	10,599
15	VCP	3,996
	Total	55,675

Table 4-1 Wastewater Collection System Summary						
Pine Diameter (in)	Pine Material	Lonath (ft)				

4.1.1 **Condition System Condition Assessment**

SGM inspected all of the manholes within the Town's wastewater collection system except for a few that were either buried or not accessible. The manholes were all found to be in good condition. Manholes were constructed of concrete and are 4-feet in diameter with 24inch diameter access covers with lids. In total, rim elevations, condition assessments, and photographs were recorded at 168 manholes as part of this assessment.

The Town noted the section of sewer piping within the 100 block of Dorris Avenue that is seeing significant problems. This also happens to be one of the many sections within Town constructed VCP.

The spreadsheet (assessment) is provided in Appendix C. This spreadsheet, in conjunction with the GIS map provides the Town with a road map to methodically replace aging infrastructure. As detailed in the spreadsheet, SGM evaluated every section of sewer line within the system, attached a install date, estimated an original cost, and established a useful life based on industry standards. From this information, we estimated remaining useful life and future repairs and replacement costs.

4.1.2 **Collection System Capital Improvement Recommendations**

As shown on the spreadsheet there is an estimated future replacement cost of \$45,338,563, not including manholes. Understand this number represents every line in the system and many of these lines still have multiple years remaining of estimated useful life. SGM has highlighted the sections that should be the Town's highest priority for replacement, which happen to be all the VCP lines. The total replacement cost for these lines is \$3,199,132.

4.2 Wastewater Treatment Facility (WWTF)

4-1

The WWTF was constructed in 2005. The WWTP consists of a manual bar screen, two aerated lagoons, a settling/polishing pond, a serpentine chlorine contact chamber and a dichlorination features. Treated wastewater is discharged to the North Fork of the Gunnison River. The WWTF has a permitted rated capacity of 0.495 MGD and typically treats 0.15 MGD.

4.2.1 WWTF Process Assessment

Generally, the WWTF is in good shape. All the onsite buildings are in excellent shape. The only issue the Town will face are the pending nutrient limitations.

The Colorado Department of Public Health and Environment (CDPHE) has publicly stated that in-stream limits for total nitrogen (TN) and phosphorus will be implemented by 2027. The draft criteria and limits are not anticipated until 2026, but it is expected that the limits will be at least as stringent as the current limits for new domestic wastewater treatment plants in the current Regulation 85. These limits are an annual median of 7 mg/L total inorganic nitrogen (TIN) and 0.7 mg/L phosphorous.

Currently, the WWTF only has a nutrient discharge limit for ammonia. The WWTF has struggled to meet the ammonia limit during colder periods when the biological activity within the lagoons is reduced.

Additional kinetic modeling will be necessary, but our experience suggests that the current lagoons have the capacity to effectively remove biological oxygen demand (BOD), total suspended solids (TSS), and to treat ammonia to the current limits depending on the reaction rate coefficient. The lagoons, however, are not suitable for additional nutrient removal. To effectively reduce the TN, the plant must nitrify the remaining ammonia in an aerobic environment and then denitrify the nitrite and nitrate to nitrogen gas in an anoxic environment. For phosphorous removal enhanced biological processes are necessary; these are not possible in a lagoon system. As legislation progresses Paonia will likely need to abandon the existing lagoons and replace the system with a mechanical plant that is capable of nutrient removal.

4.2.2 WWTF Capital Improvements Projects

Planning for the possibility of needing a new mechanical plant that can achieve nutrient removal is critical. Additionally, if more reliable ammonia removal is desired with the existing lagoons, sludge removal is recommended.

<u>Mechanical WWTF</u>:

\$13,891,933

4.3 Wastewater System Funding Opportunities

- USDA Rural Development
- CO-Water Pollution Revolving Fund Program
- CO-DOLA Energy and Mineral Impact Assistance Fund (EIAF)
- CO-CDPHE Water Quality Improvement Fund
- EPA-Federal Resources for Sustainable Rural Communities

5.0 Buildings

5.1 Town Hall

Town Hall was constructed in 1983. It is ~6,200 square feet in size and houses most municipal departments, the Public Works, Town Manager, the Town Clerk, the Town Council Chambers and the Police Department.

The purpose of this section is not to represent all recommended projects, but rather to highlight which



projects are recommended for higher priorities. Most recommended projects involve improving asset durability to minimize maintenance or repairing deteriorated assets that require immediate attention. The Town has indicated that they are planning for future expansions of Town Hall, the Police office, and the Police storage yard/impound lot. Costs for these expansions are not included in this study.

5.1.1 Town Hall Summary of Findings

Structural Integrity

a. Description: The building structure of Town Hall appears to consist of a wood frame roof, masonry and wood frame walls. The floors are a mix of slab-on-grade and engineered floor joists over a crawl space with concrete stem wall and footing foundation. The floors joists showed signs of being inadequately sized. Interior finishes consist primarily of acoustical ceiling tiles, drywall, and carpet and tile floors. A CMU and stucco/EIFS addition was added to the west (back) of building. Overall condition is Fair.

b. Discussion:

- i. The TPO roof membrane that was observed appeared to be in good condition, access issues limited the amount of roof to be observed. The age of roof should be compared to standard useful life of similar product and assessed accordingly.
- ii. Retrofit windows on the second floor are not of similar material and color as the original windows. There are exposed fasteners and damaged frames from installation.
- iii. Exterior finishes are damaged in several locations, specifically broken brick veneer at entry pier and several cracks and holes in the EIFS. It is recommended the EIFS be repaired and the stucco patched.
- iv. The floor joists appear to be undersized in several locations. Deflection is evident when walking in meeting room, and signs of similar deflection can be seen in the Public Works area where the floor tiles and grout are cracked and broken. It is recommended that the floors be assessed and repaired to meet minimal deflection criteria.

Architectural Conditions

a. The interior and exterior finishes of the Town Hall consist primarily of acoustical ceiling tiles, drywall, and carpet and tile floors. As previously mentioned, the tile floors in the Public Works area show damage from insufficient underlayment rigidity. The kitchen, which it is assumed is used during public meetings, shows signs of

damage and deterioration. The entry vestibule has a damaged store-front window. Several vinyl tiles in the Mechanical Room are loose and damaged.

- b. Discussion:
 - i. Most finishes can be repaired and/or replaced as needed, however some issues may need to be addressed for public health and safety concerns.
 - ii. The damaged flooring may indicate a substantially undersized floor joist system and should be assessed.
 - iii. The kitchen cabinets and counter tops show areas of delamination which can trap food and be a source of food-born illnesses. This represents a public health issue in the form of a health safety concern. It is recommended that the damaged areas be repaired or replaced.
 - iv. There are burn marks on the countertop which may indicate a malfunctioning appliance. This represents a fire safety concern. It is recommended that the range be repaired or replaced.

Durability / Maintenance

a. The majority of the Town Hall building consists of brick and concrete masonry unit walls that are very durable with regular attention to painting or coating. Roofing should be assessed as noted previously. The doors in the entry vestibule should be fitted with kick-plates to protect them from water damage caused by routine cleaning of the floor.

5.1.2 Town Hall - Summary of Recommendations

1.	Repair inadequate floor joists and replace finishes:	
	-Joist repair	\$25,000
	-Finished flooring removal & replacement	\$10,000
	Cost estimate:	\$35,000
2.	EIFS Repair	
	-Patch and new finish coat	\$12,500
	Cost estimate:	\$12,500
3.	Kitchen Replacement	
0.	-Cabinet replacement	\$11,500
	-Appliance replacement	\$2,500
	Cost estimate:	\$14,000

4. <u>Perform appropriate maintenance to maximize remaining useful life</u>: It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure, which includes estimates for basic labor and basic materials.

Maintenance examples – door and hardware repairs/parts, seasonal annual boiler system tune-up. Touch up painting, etc. (budgeted in replacement budget).

Cost estimate:

\$1,500

5.2 Town Shop

There are three main buildings on the Town Shop lot that are used by the town – a 4000 square foot metal building, a 2000 square foot CMU building and a 4500 square foot pole barn vehicle and sand storage area.

5.2.1 Town Shop - Metal Building - Summary of Findings

Structural Integrity

- a. Description: The Town Shop building is a pre-engineered metal building with an interior mezzanine above a CMU office/storage area. The building is also a potable water distribution center. Several metal panels and trim pieces are dented and torn. With the exception of an abandoned water supply penetration, the interior insulation panels are mostly intact, with a few tears. The interior painted plywood walls are in good condition, and the slab shows only minor cracking. The overall building is in fair shape.
- b. Discussion:
 - i. The metal siding and trim are damaged in several areas. Most damage doesn't affect the integrity of the shell, however, there are some tears and abandoned penetrations that are not sealed against water intrusion. The worst of these is the abandoned water supply penetration, located below the current potable water supply line. Due to the amount of damage to the entire exterior of the building, it is recommended that the siding be replaced.

Architectural Conditions

- a. Description: The abandoned water supply penetration is unsealed and has rags hanging out of it. This condition could represent a health safety concern as it is located directly under the current potable water supply line. The windows of the shop building are single paned, putty glazed aluminum, with deteriorating interior plywood trim. The guardrail for the mezzanine represents a life safety concern as it is too low and poorly built to provide required fall protection.
- b. Discussion:
 - i. Minimally, the penetrations for both the current and the abandoned water supply should be properly patched and insulated.
 - ii. The mezzanine guardrail should be replaced with one that meets or exceeds current OSHA and/or IBC code requirements.
 - iii. The existing windows provide the minimal possible protection and R-value for the interior of the shop building. It is recommended that the windows be replaced and that the sills and jambs be refinished.
 - iv. The doors are in fair condition but it is recommended that they be replaced at the same time as the siding.

5.2.2 Town Shop - Auxiliary Buildings - Summary of Findings

Structural Integrity

a. Description: The Town Shop also has two auxiliary buildings, a CMU storage building, and a pole barn/sand storage area. The CMU building is shared with another owner but is in remarkably good shape for its age. The pole barn framing is in good condition but there is some rust damage to purlins. The roof is metal on plywood sheathing and wood rafters. It is partially sided by corrugated metal. The sand storage area is predominantly wood framed and plywood sided.

b. Discussion:

- i. The CMU building has some minor insulation and drywall damage, and a wood framed street facing door that needs to be repainted to preserve the wood.
- ii. The pole barn frame is in good shape, but the siding is damaged in several places. The damage doesn't affect the function of the building as a storge barn.
- iii. The sand storage area is showing significant weathering of the plywood siding and should be repaired to maintain the function of the building.

Architectural Conditions

- a. Description: The abandoned water supply penetration is unsealed and has rags hanging out of it and could represent a health safety concern as it is located directly under the current potable water supply line. The windows of the shop building are single paned, putty glazed aluminum, with deteriorating interior plywood trim. The guardrail for the mezzanine is represents a health safety concern as it is too low and poorly built to provide required fall protection.
- b. Discussion:
 - i. Minimally, the penetrations for both the current and the abandoned water supply should be properly patched and insulated.
 - ii. The mezzanine guardrail should be replaced with one that meets or exceeds current OSHA and/or IBC code requirements.
 - iii. The existing windows provide the minimal possible protection and R-value for the interior of the shop building. It is recommended that the windows be replaced and that the sills and jambs be refinished.

5.2.3 Town Shop - Summary of Recommendations

1.	Replace and repair siding, windows, and doors:	
	-Siding removal & replacement	\$28,500
	-Window and door replacement	\$7,500
	Cost estimate:	\$36,000

2. <u>Perform appropriate maintenance to maximize remaining useful life</u>: If the structure is to be retained, it is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure.

Maintenance examples – painting, siding and window repair, etc. (budgeted in replacement budget).

Cost estimate: \$1,000

5.3 Apple Valley Park Buildings

Apple Valley Park has three/four buildings on the site – a 500 square foot freestanding picnic shelter, a 350 square foot restroom building, a small pumphouse, and a structure that may not belong to the town, referred to here as the storage building.

5.3.1 Apple Valley Park - Summary of Findings

Structural Integrity

- a. Description:
 - i. The picnic shelter is a wood structure on a slab on grade. The posts of the shelter are glue laminated timbers and rest directly on concrete. The structure had been painted initially but much of the finish has been weathered away. The shelter is in poor condition
 - ii. The restroom is a CMU building with a gabled wood rafter roof, sided with plywood and covered with metal panels. The restroom is closely surrounded by trees that have grown since the restroom was built. The exterior finishes are weather worn. The restroom is in fair condition.
 - iii. The pumphouse is a wood structure with metal siding and roof. The pumphouse is in fair-poor condition.
 - iv. The storage building is a CMU structure with a CMU retaining wall located just to the north of the parking lot. The building and retaining wall are in dangerously poor condition.
- b. Discussion:
 - i. The picnic shelter is showing signs water damage in several locations and is in poor condition. The posts that are in contact with the concrete are beginning to deteriorate at the steel connections. The roof sheathing is significantly decayed. It is recommended that the sheathing be replaced and that the columns be repaired or replaced with pressure treated wood and connected to the slab with a post based separate the post for the slab by no less than 2 inches.
 - ii. The exterior wood of the restroom is showing signs of deterioration and the building, as a whole, is in fair condition. The metal roof is damaged in places and is in poor condition. Several trees have grown up and around the restroom. The close proximity of the trees may cause damage to the foundation. It is recommended that the closest trees be removed and that the wood siding and fascia be repaired and protected from further weathering. It is also recommended that the metal roofing be replaced with proper fascia protection.
 - iii. The pumphouse is in fair-poor condition. The metal roofing and siding is dented in several locations, and the ends of the roof rafters are showing minor signs of decay. The damage doesn't affect the function of the building.
 - iv. The storage building is in very poor condition. It has been built into a hill with insufficient structure to retain the movement of the hill. The building and retaining wall are severely slanted by the movement of the hill, and, due to the proximity to a public park, represents a strong life safety risk to the public.

Durability / Maintenance

a. The CMU walls and metal doors of the restroom are very durable with regular attention to painting or coating. The wood elements of the shelter and the restroom need regular repainting to protect and preserve them. Wood protected from the

elements is expected to have a life span of 50 to 100 years. Repainting every 5 years is typically recommended.

5.3.2 Apple Valley - Summary of Recommendations

1.	Repair and replacement for Restroom and Shelter	<u>elements</u>
	-Restroom roof removal & replacement	\$5,000
	-Shelter roof removal & replacement	\$4,500
	-Shelter column repair	\$4,500

Cost estimate:

\$14,000

2. <u>Perform appropriate maintenance to maximize remaining useful life</u>: It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure.

Maintenance examples –door and hardware repairs/parts, repair garage doors when needed, gates, fencing, etc. (budgeted in replacement budget). Cost estimate: \$1.000

5.4 Town Park - Teen Center and Auxiliary Buildings

Town Park has five buildings on the site – the Teen Center, a 5000 square foot metal building, a 1000 square foot CMU and wood roof restroom building, a 2000 square foot picnic shelter (shelter #1), a 500 square foot picnic shelter (shelter #2), and a 600 square foot storage building.

5.4.1 Town Park - Summary of Findings

Structural Integrity

- a. Description:
 - i. The Teen Center is a prefabricated metal building on a slab on grade. The ceiling is finished with OSB sheathing, so it is assumed that the roof structure is wood trusses. The exterior was recently re-sided and is in good condition. The interior is in poor condition, with visible signs of water damage in several locations.
 - ii. The restroom is a CMU building with a gabled wood rafter roof, sided with plywood and covered with metal panels. The split faced CMU walls are in good condition and the exterior wood finishes are in fair condition.
 - iii. Shelter #1 is CMU and concrete columns on a slab on grade. The roof is wood framed with metal roofing panels. The shelter is in fair condition.
 - iv. Shelter #2 is steel pipe columns on a slab on grade. The roof is wood framed with metal roofing panels. The shelter is in fair condition.
 - v. The storage building is a prefabricated metal building, in fair-poor condition.
- b. Discussion:
 - i. The Teen Center appears to be in good condition structurally.
 - ii. The restroom building is in good-fair condition, but the metal roof panels, and the exterior wood finishes need some repairs and maintenance to prolong their useful life spans.

- iii. Shelter #1 is in fair condition. The wood roof framing appears to be protected, but the roof panels appear damaged and should be repaired and/or replaced. The slab on grade has several cracks that should sealed to prevent additional damage from water penetration and the freeze-thaw cycle.
- iv. Shelter #2 is in fair condition. The roof appears to have been replaced recently and is in good condition. The trusses and steel framing are showing some minor water damage; however, the newer roof should mitigate further damage.
- v. The storage building's metal panels are dented and rusted in several locations. The type of damage won't affect the function of the building as a storage area but does indicate the building is reaching the end of its useful life.

Architectural Conditions

- a. The interior finishes of the Teen Center consist primarily of OSB ceiling, drywall, and concrete and tile floors. The condition of the interior, as a whole, is poor. Many damaged floor tiles, unfinished bathroom chases, cracked and unfinished drywall, and loose and moldy OSB ceiling panels all need to be replaced.
- b. Discussion:
 - i. Loose and damaged OSB ceiling panels should be repaired or replaced.
 - ii. It is recommended that the kitchen flooring be replaced.
 - iii. The unfinished and delaminated kitchen countertops represent a health safety concern in a public facility.

Durability / Maintenance

a. The CMU walls and metal doors of the restroom are very durable with regular attention to painting or coating. The wood elements of the shelter and the restroom need regular repainting to protect and preserve them. Wood protected from the elements is expected to have a life span of 50 to 100 years. Repainting every 5 years is typically recommended.

5.4.2 Town Park - Summary of Recommendations

1.	<u>Teen Center interior finishes</u> -Restroom repairs -Vinyl flooring removal & replacement -Kitchen replacement	\$2,000 \$12,000 \$50,000
	Cost estimate:	\$64,000
2.	<u>Auxiliary building repairs</u> -Restroom roof removal & replacement -Shelter roof removal & replacement Cost estimate:	\$6,000 \$8,500 \$14,500

 Perform appropriate maintenance to maximize remaining useful life: It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure. *Maintenance examples* –door and hardware repairs/parts, repair garage doors when needed, gates, fencing, etc. (budgeted in replacement budget).

Cost estimate:

2.

5.5 Clock Water Treatment Plant (WTP)

The WTP consists of three buildings. The pump building is a 2,500 square foot prefabricated metal building that was upgraded in 2010. The second is a 13,800 square foot concrete tank with steel framed roof structure that was added in with metal roof and wall panels. The third is a dilapidated pole barn structure.

5.5.1 Clock Water Treatment Plant (WTP) - Summary of Findings

Structural Integrity

- a. Description: The newer pump building is a relatively new premanufactured metal building and is in good condition with the exception of minor overhead door damage. The original tank is board formed concrete and has had thrust blocks added when the tank was renovated. The tank is covered with a steel frame building with metal roofing and siding panels. The overall condition is good. The pole barn is a wood structure in dangerously poor condition.
- b. Discussion:
 - i. The overhead door has a damaged track and weather stripping and should be repaired.
 - ii. The downspouts on the east side of tank building have been removed and it's recommended that they be replaced.
 - iii. The pole barn structure represents a threat to life safety. It is beyond repair and should be removed.

Durability / Maintenance

a. Metal panel roofing and siding is typically considered to have a life expectancy of 40 to 70 years. Wood windows, doors, and trim need regular repainting to protect and preserve them. Wood protected from the elements is expected to have a life span of 50 to 100 years. Repainting every 5 years is typically recommended. As noted previously, repainting of the pump house building is recommended at this time.

Mechanical Integrity

a. Description: Building is heated by gas fired unit heaters. The ventilation is via side wall exhaust fans and door louvers.

<u>Other</u>

a. What was visible of the electrical system appeared to be in working order and in good condition.

5.5.2 Clock Water Treatment Plant (WTP) - Summary of Recommendations

- Repairs to overhead door and downspouts:
 Cost estimate: \$1,000
- 2. <u>Perform appropriate maintenance to maximize remaining useful life</u>: It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure.

Maintenance examples – door and hardware repairs/parts, touch up painting, etc. (budgeted in replacement budget).

Cost estimate:

5.6 Lamborn Mesa Water Treatment Plant (WTP)

The original 1,000 square foot WTP was constructed in 1983 and the new 2,700 square foot addition was built in 2015.

5.6.1 Lamborn Mesa Treatment Plant (WTP) - Summary of Findings

Structural Integrity

- a. Description: Both the original WTP and new addition to the WTP are premanufactured buildings on a concrete foundation with a slab on grade floor. The condition of the original WTP building is fair and the new WTP building is good.
- b. Discussion:
 - i. The siding of the original building is showing signs of age, however, any damage or wear doesn't affect the function of the building.

Durability / Maintenance

a. Metal panel roofing and siding are typically considered to have a life expectancy of 40 to 70 years. Any damage should be taken care of regularly. No other maintenance is typically needed.

Mechanical Integrity

a. Description: The building is heated via two (2) gas fired unit heaters. Several roof exhaust fans are incorporated with side wall louvers for humidity control. One (1) small exhaust fan and a space heater are used in the chlorine room. A small tank style electric water heater (6 gallon & 1500W) serves sink area.

5.6.2 Lamborn Mesa Treatment Plant (WTP) - Summary of Recommendations

1. <u>Perform appropriate maintenance to maximize remaining useful life</u>: It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure.

Maintenance examples – door and hardware repairs/parts, touch up painting, etc. (budgeted in replacement budget).

Cost estimate:

\$1,000

5.7 Wastewater Treatment Facility (WWTF)

The WWTF consists of two buildings. The office/control building is 110 square feet and the chemical building is 675 square feet. Both are wood framed buildings with aluminum siding and asphalt shingle roofing constructed in 2005.

5.7.1 Wastewater Treatment Facility (WWTF) - Summary of Findings

Structural Integrity

a. Description: Overall condition of the buildings is good. The Chemical Building has minor damage to the exterior door and to the siding near the dumpster.

Durability / Maintenance

a. Aluminum panel siding is typically considered to have a lifespan of 20 to 40 years. An asphalt shingle roof is typically considered to have a lifespan of 20 to 40 years, as

well. Annual inspections, repair, and routine maintenance will help extend the usable lifespan of the material.

<u>Other</u>

a. What was visible of the electrical system appeared to be in working order and in good condition.

5.7.2 Wastewater Treatment Facility (WWTF) - Summary of Recommendations

- 1.Repair damage to door and siding:
Cost estimate:\$1,000
- 2. <u>Perform appropriate maintenance to maximize remaining useful life</u>: It is recommended that this facility have an annual maintenance budget, separate from repair and replacement projects, equal to or above the following dollar figure.

Maintenance examples – door and hardware repairs/parts, touch up painting, etc. (budgeted in replacement budget).

Cost estimate:

\$1,000

5.8 Building Funding Opportunities

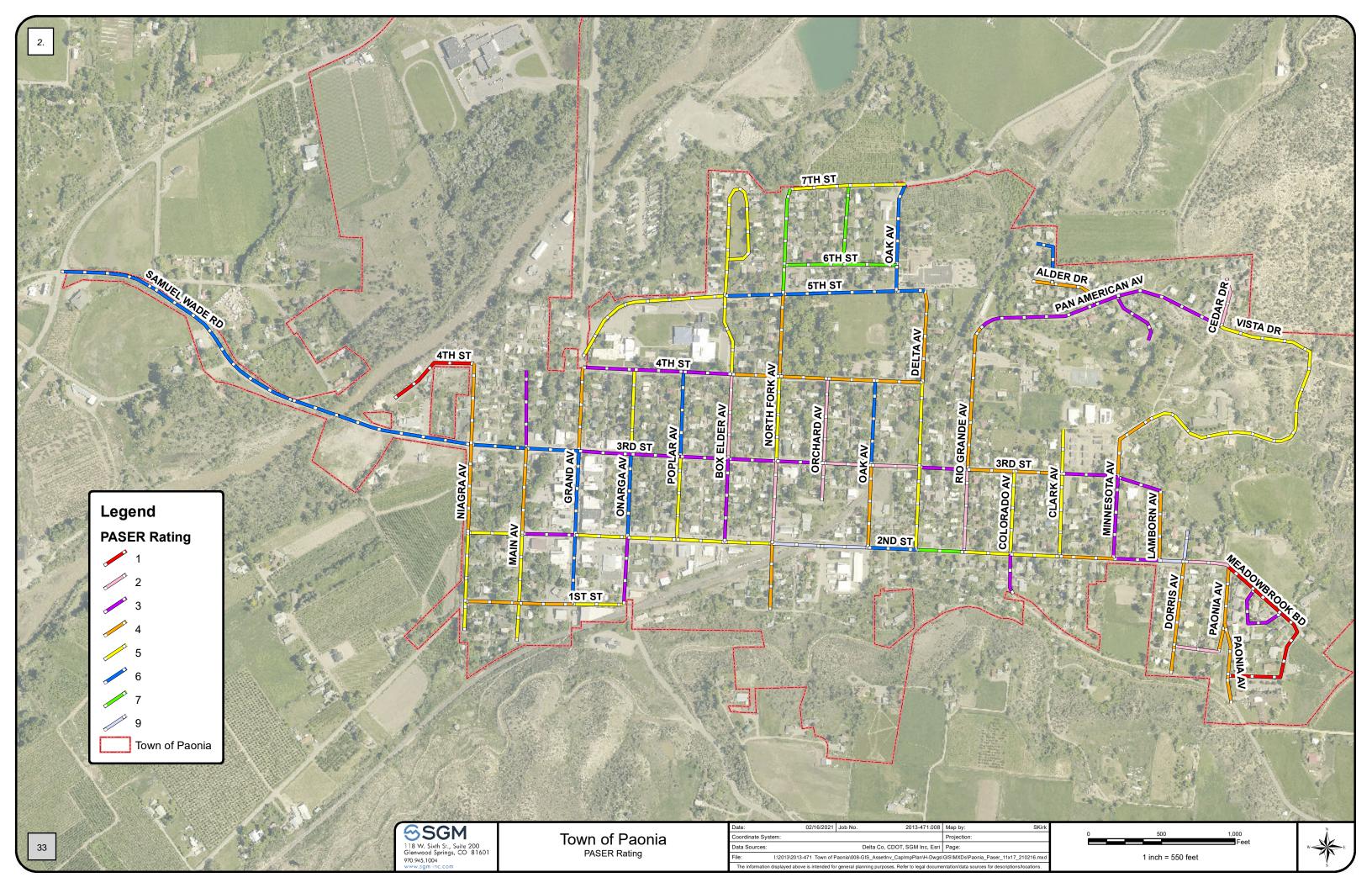
Possible funding opportunities can include:

- State and Federal grants for aging Municipal Bldgs (EFFICIENTGOV)
- USDA Rural Development
- National Association of Counties
- Community Development Block Grant (CDBG)
 - Colorado Municipal League (CML)

Appendix A

Street Information

PASER Rating Map Curb/Gutter/Sidewalk Assessment



A- Sidewalk attached to curb/gutter V- Vertial curb face D- Sidewalk detached to curb/gutte R- Rollover curb face

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Sth Uak to N Fork South - None South - None Sth N.Exrk to Ray Elder North - None North - None	5th	Delta to Oak	South - None	South - None		very Good		
Stb. N. Eark to Ray Elder North - None North - None .	5th	Oak to N Fork					concrete drainage channel	
South - Dettached South - None South - No Very Good	5th	N Fork to Box Fider	North - None	North - None				
	201	A LOCA TO DOA EIUEI	South - Dettached	South - None	South - No	Very Good		

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5th	Box Elder to Grand	North - None South - None	North - None South - None				
6th	N Fork to Orchard	North - None South - None	North - None South - None				
6th	Orchard to Oak	North - None	North - None				
	Box Elder Loop	South - None North - None	South - None North - None				
		South - None North - None	South - None North - None				-
7th	N Fork to Orchard	South - None	South - None				
7th	Orchard to Oak	North - None South - None	North - None South - None				
Main	1st to 2nd	East - Dettached West - Dettached	East - Vertical West - Vertical	East - Yes West - Yes	Poor Poor	tree damage to sidewalks tree damage to sidewalks	-
Main	2nd to 3rd	North - None South - None	North - None South - None				
Main	3rd to End	North - None	North - None				
		South - None North - Attached	South - None North - Vertical	North - None	Poor		-
4th	Niagara to End	South - Attached North - Attached	South - Vertical North - Vertical	South - None North - None		tree damage to sidewalks	
4th	Grand to Onarga	South - Dettached	South - Vertical	South - None	Moderate		
4th	Onarga to Poplar	North - Attached South - Dettached	North - Vertical South - Vertical	North - Yes South - None	Moderate Poor		-
4th	Poplar to Box Elder	North - Attached South - Dettached	North - Vertical South - Vertical	North - None South - None	Good		
4th	Box Elder to N Fork	North - Attached	North - Vertical	North - None	Moderate	concrete drainage channel	
		South - Dettached North - None	South - Vertical North - Vertical	South - Yes North - None	Good Moderate	concrete drainage channel	-
4th	N Fork to Orchard	South - Attached	South - Vertical	South - None	Good		
4th	Orchard to Oak	North - None South - Attached	North - Vertical South - Vertical	South - None		concrete drainage channel	
4th	Oak to Delta	North - None South - Attached	North - Vertical South - Vertical	North - None South - None			
Onarga	3rd to 4th	East - Dettached	East - Vertical	East - Yes	Poor	tree damage to sidewalks	1
	2nd to 3rd	West - Dettached East - Dettached	West - Vertical East - Vertical	West - Yes East - Yes	Poor Moderate	tree damage to sidewalks	1
Onarga		West - Dettached East - None	West - Vertical East - Vertical	West - Yes	Moderate Good		-
Onarga	1st to 2nd	West - Dettached	West - Vertical	West - Yes	Good		1
Poplar	3rd to 4th	East - Dettached West - Dettached	East - Vertical West - Vertical	East - Yes West - Yes	Moderate Moderate		
Poplar	2nd to 3rd	East - Dettached West - Dettached	East - Vertical West - Vertical	East - Yes West - Yes	Poor Moderate	tree damage to sidewalks	
Poplar	2nd to End	East - None	East - None				
3rd/Samuel Wade		West - None North - Attached	West - None North - Vertical	South - None	Good		
		South - None North - Dettached	South - None North - Vertical	North - Yes	Good	Niagara to alley SW attached	no CG from alley to Main
3rd	Niagara to Main	South - None	South - None				
3rd	Main to Grand	North - Attached South - Attached	North - Vertical South - Vertical		Moderate Moderate	SW dettached alley to Grand	
3rd	Grand to Onarga	North - Attached South - Attached	North - Vertical South - Vertical	North - None South - None			-
3rd	Onarga to Poplar	North - Dettached	North - Vertical	North - Yes	Poor		
3rd	Poplar to Box Elder	South - Dettached North - Dettached	South - Vertical North - Vertical	South - None North - Yes	Good		
		South - Dettached North - Dettached	South - Vertical North - Vertical	South - Yes North - Yes	Good Moderate		-
3rd	Box Elder to N Fork	South - Dettached	South - Vertical	South - None	Good		
3rd	N Fork to Orchard	North - Dettached South - Dettached	North - Vertical South - Vertical	North - None South - None			
3rd	Orchard to Oak	North - Dettached South - Dettached	North - Vertical South - Vertical	North - Yes South - Yes			-
3rd	Oak to Delta	North - None South - Dettached	North - Vertical South - Vertical		Moderate	CG from RR to Delta only CG from RR to Delta only	
3rd	Delta to Rio Grande	North - Dettached	North - Vertical	North - Yes	Moderate		
		South - Dettached North - None	South - Vertical North - None	South - Yes North - None	Moderate		-
3rd	Rio Grande to Colorado	South - Dettached	South - Vertical	South - Yes	Moderate		
3rd	Colorado to Clark	North - None South - Dettached	North - None South - None	South - None	Good		
3rd	Clark to Minnesota	North - None South - Dettached	North - None South - None	South - None	Moderate		-
3rd	Minnesota to Lamborn	North - None South - None	North - None South - None				1
Clark	3rd to End	North - None	East - None				1
		South - None North - None	West - None East - Rollover		Good		1
Clark	2nd to 3rd	South - None North - None	West - Rollover East - None		Good		1
Clark	2nd to End	South - None	West - None				1
Colorado	2nd to 3rd	East - None West - Dettached	East - Vertical West - Vertical	East - None West - Yes	Moderate Moderate		-
Colorado	2nd to End	East - None West - None	East - None	-			1
Niagara	3rd to 4th	East - None	West - None East - None				1
		West - None East - None	West - None East - None				1
Niagara	2nd to 3rd	West - None	West - None				1
Niagara	1st to 2nd	East - None West - None	East - Vertical West - None				
Minnesota	2nd to 3rd	East - None West - None	East - None West - None				
Lamborn	2nd to 3rd	East - None West - None	East - None				1
Dorris	2nd to Colorado	East - None	West - None East - None				1
		West - None North - Attached	West - None North - Rollover		Very Good		1
Vista	3rd to End	South - Attached	South - Rollover	1	Very Good		1
Paonia	1st to 2nd	East - None West - None	East - None West - Rollover			CG is a valleypan	
Meadowbrook Ct		East - None West - None	East - Vertical West - Vertical	-	Good Good		
Meadowbrook Dr	Paonia to Meadowbrook Cl	East - None	East - Vertical		Good	island has CG	1
	Meadowbrook Ct to Paonia	West - None East - None	West - Vertical East - Vertical		Good Good	island has CG	1
wicedowbrook Dr	wicedowbrook ct to raoma	West - None	West - Vertical		Good		

Appendix B

Water System Spreadsheet (Assessment)

Current Year 2021 GIS Object ID Asset		Lucit Diamete	or/																		
	Location/Notes	Unit Size		Quantity	Original Unit Cost	Original Total Cost	Installed Date	Expected Useful Life	Remaining Useful life	% of life remaining	Replacement Unit Cost	Replacement Total Cost	Inflation	Useful Life	Future Value Factor	Future Cost of Replacement	Annual Future Value Factor	Annual Payment Future Value	Minor Repair Cost M	ajor Repair Cost	Maintenance & Repair Notes
				Act or Est	Estimated	Calculated	Act or Est	Tab A	Calculated	Calculated	Tab C	Tab C	Estimated	Calculated	Calculated	Estimated	Calculated	Calculated	Tab C	Tab C	
237 Water main	Box Elder/5th (West)	LF 0.75	HDPE	590	\$100	\$59,014	2020	100	99	99.00%	\$100	\$59,014	2.50%	99	11.526	\$680,171.92	0.0024	\$1,615.52	\$88,521.20	\$177,042.40	
190 Water main	Main Ave (100 Block)	LF 2	HDPE	110	\$75	\$8,247		100	79	79.00%	\$150		2.50%	79		\$116,019.15	0.0041	\$480.71	\$12,371.02	\$24,742.04	
	Main Ave (100 Block)	LF 2	HDPE	103	\$75	\$7,714		100	79	79.00%			2.50%	79		\$108,522.27	0.0041	\$449.65		\$23,143.27	
195 Water main	Main Ave (100 Block)	LF 2	HDPE	81	\$75	\$6,065		100	79	79.00%	\$150		2.50%	79		\$85,315.78	0.0041	\$353.50		\$18,194.30	
78 Water main 135 Water main	Alder Drive Alder Drive	LF 2	PVC PVC	562	\$50 \$50	\$28,100 \$633		100 100	59 59	59.00% 59.00%	\$150 \$150		2.50% 2.50%	59	4.292	\$361,851.81 \$8,149.37	0.0076	\$2,747.56 \$61.88	\$42,149.53 \$949.26	\$84,299.05 \$1,898.52	
137 Water main	Alder Drive	LF 2	PVC	53	\$50	\$2,639		100	59	59.00%			2.50%	59		\$33,986.06	0.0076	\$258.06		\$7,917.58	
222 Water main	Alder Court Cul-de-Sac	LF 2	PVC	329	\$50	\$16,434	1980	100	59	59.00%	\$150	\$49,302	2.50%	59	4.292	\$211,628.55	0.0076	\$1,606.91	\$24,651.09	\$49,302.19	
223 Water main	Alder Drive Cul-de-Sac	LF 2	PVC	331	\$50	\$16,532		100	59	59.00%	\$150		2.50%	59	1.202	\$212,890.54	0.0076	\$1,616.49	\$24,798.09	\$49,596.19	
	Stub from Minnesota Ave to Park	LF 2	PVC PVC	810	\$50 \$50	\$40,502 \$87,528		100	59 59	59.00% 59.00%	\$150 \$150		2.50%		4.292	\$521,563.29 \$1,127,130,37	0.0076		\$60,753.17 \$131,291,34	\$121,506.35 \$262,582,69 Town	Priority (lines run underneath trailers)
	Niagara Ave (North) of 4th	LF 2	PVC	370	\$50	\$18,487		100	59	59.00%			2.50%			\$238,063.56	0.0076			\$55,460.64	
	Main Ave (100 Block)	LF 2	PVC	117	\$75	\$8,743		100	64	64.00%			2.50%		4.857	\$127,388.49	0.0065	\$825.79	\$13,115.14	\$26,230.27	
186 Water main	Niagara Ave (100 Block)	LF 2	PVC	284	\$75	\$21,293		100	75	75.00%	\$150		2.50%		0.072	\$271,363.43	0.0047	\$1,262.81	\$31,939.10	\$63,878.20	
	North Fork Ave 6th to 7th Oak Ave 5th to 7th	LF 4	DIP	954 20	\$50 \$50	\$47,692 \$981		100 100	49 49	49.00% 49.00%			2.50%			\$479,770.40 \$9,869.45	0.0106	\$5,096.83 \$104.85	\$71,537.55 \$1,471.61	\$143,075.10 \$2,943.23	
57 Water main	6th/North Fork Ave to Orchard Ave to 7th	LF 4	DIP	934	\$50	\$46,682		100	49	49.00%			2.50%			\$469,609.41	0.0106	\$4,988.89	\$70,022.46	\$140,044.93	
-	6th/North Fork Ave to Orchard Ave to 7th	LF 4	DIP	26	\$50	\$1,292		100	49	49.00%			2.50%			\$12,993.43	0.0106	\$138.04	\$1,937.42	\$3,874.84	
232 Water main	Oak Ave 5th to 7th	LF 4	DIP	987	\$50	\$49,366		100	49	49.00%			2.50%	49	0.000	\$496,610.21	0.0106	\$5,275.73	\$74,048.50	\$148,096.99	
250 Water main 14 Water main	Delta Ave RR Tracks to 5th	LF 4	DIP	799 545	\$50 \$50	\$39,948		100	49 59	49.00%			2.50%			\$401,872.48	0.0106		\$59,922.35	\$119,844.71	
	Oak Ave 2nd to 3rd Air Vac to Minnesota Creek Road	LF 4	PVC PVC	1738	\$50 \$50	\$27,262 \$86,907		100 50	9	59.00% 18.00%			2.50%		4.292	\$351,067.75 \$325,604.95	0.0076		\$40,893.37 \$130,360.56	\$81,786.74 \$260,721.12 Towr	Priority
149 Water main	Air Vac to Minnesota Creek Road	LF 4	PVC	5374	\$50	\$268,689		50	9	18.00%	\$150	\$806,068	2.50%	9	1.249	\$1,006,668.54	0.1005		\$403,034.02	\$806,068.05 Towr	
	Box Elder/5th to Entrance of Lee's Trailer Park	LF 4	PVC	232	\$50	\$11,604		100	59	59.00%			2.50%			\$149,426.54	0.0076			\$34,811.26	
166 Water main 167 Water main	O Rd (East) to Thompson	LF 4	PVC	3442 1791	\$75 \$75	\$258,132		100	69	69.00%			2.50%			\$4,255,092.92	0.0056	\$23,667.10		\$774,394.64	
16/ Water main 172 Water main	O Rd (West) to German Creek O Rd (West) to German Creek	LF 4	PVC PVC	363	\$75 \$75	\$134,296 \$27,251		100 100	69 69	69.00% 69.00%	\$150 \$150		2.50%		5.495 5.495	\$2,213,755.16 \$449,210.29	0.0056	\$12,313.05 \$2,498.54	\$201,443.32 \$40,876.43	\$402,886.65 \$81,752.87	
173 Water main	O Rd (West) to German Creek	LF 4	PVC	1217	\$75	\$91,250		100	69	69.00%			2.50%		5.495	\$1,504,176.16	0.0056		\$136,874.33	\$273,748.65	
175 Water main	O Rd Crossing to O Rd/40 Lane	LF 4	PVC	1564	\$75	\$117,267	1995	100	74	74.00%	\$150	\$351,802	2.50%	74	6.217	\$2,187,078.88	0.0048	\$10,480.97	\$175,901.04	\$351,802.08	
227 Water main	Silver Leaf Subdivision	LF 4	PVC	353	\$100	\$35,272		100	97	97.00%		1.1.1	2.50%		10.010	\$386,942.03	0.0025			\$105,816.21	
23 Water main 24 Water main	Orchard Ave 3rd to 4th Orchard Ave 3rd to 4th	LF 5	CAS CAS	40	\$50 \$50	\$2,002 \$27,743		50	-11	-22.00% -22.00%	\$150 \$150		2.50% 2.50%		1.025	\$6,154.88 \$85.308.56	1.0000		\$3,002.38 \$41.613.93	\$6,004.76 Towr \$83.227.87 Towr	
59 Water main	Box Elder 4th to 5th	LF 5	CAS	597	\$50	\$29,832		50	-11	-22.00%	\$150		2.50%		1.025	\$91,734.90	1.0000		\$44,748.73	\$89,497.47 Town	,
76 Water main	Dorris Ave (200 Block)	LF 5	CAS	217	\$50	\$10,833	1960	50	-11	-22.00%	\$150	\$32,499	2.50%		1.025	\$33,311.23	1.0000		\$16,249.38	\$32,498.76 Towr	
205 Water main	2nd Street, Minnesota Ave to Dorris Ave	LF 5	CAS	780	\$50	\$39,015	1960	50	-11	-22.00%	\$150	\$117,045	2.50%	1	1.025	\$119,971.23	1.0000		\$58,522.55	\$117,045.11 Towr	Priority
230 Water main	Orchard Ave 4th to 5th	LF 5	CAS	611	\$50	\$30,534 \$21,112	1960	50	-11	-22.00%	\$150	\$91,603	2.50%	1	1.025	\$93,892.74	1.0000		\$45,801.33	\$91,602.67 Towr	
58 Water main 144 Water main	5th/North Fork Ave to Delta Ave 5th/North Fork Ave to Delta Ave		CAS	422	\$50	\$21,112 \$11.407	1960	50	-11	-22.00% -22.00%	\$150 \$150	\$63,337 \$34,221	2.50% 2.50%	1	1.025	\$64,920.58 \$35,076.07	1.0000		\$31,668.57 \$17,110.28	\$63,337.15 Towr \$34,220.55 Towr	· · · · · · · · · · · · · · · · · · ·
231 Water main	5th/North Fork Ave to Delta Ave	LF 5	CAS	332	\$50	\$16,594		50	-11	-22.00%	\$150		2.50%	1	1.025	\$51,026.26	1.0000		\$24,890.86	\$49,781.71 Towr	
233 Water main	5th/North Fork Ave to Delta Ave	LF 5	CAS	6	\$50	\$291	1960	50	-11	-22.00%	\$150	\$874	2.50%	1	1.025	\$895.90	1.0000	\$895.90	\$437.02	\$874.05 Towr	· · · · · · · · · · · · · · · · · · ·
1 Water main	Main Ave 1st to 2nd	LF 6	CAS	233	\$50	\$11,628		50	-11	-22.00%	\$150		2.50%	1	1.025	\$35,757.01	1.0000		\$17,442.45	\$34,884.89 Towr	
2 Water main 3 Water main	Main Ave 1st to 2nd Main Ave 2nd to 3rd	LF 6	CAS CAS	239	\$50 \$50	<u>\$11,947</u> \$128		50	-11	-22.00% -22.00%	\$150 \$150		2.50% 2.50%	1	1.025	\$36,736.51 \$394.22	1.0000 1.0000		\$17,920.25 \$192.30	\$35,840.50 Towr \$384.61 Towr	
4 Water main	Main Ave 2nd to 3rd	LF 6	CAS	529	\$50	\$26,449		50	-11	-22.00%	\$150		2.50%	1	1.025	\$81,331.83	1.0000		\$39,674.06	\$79,348.13 Towr	
95 Water main	Main Ave 1st to 2nd	LF 6	CAS	39	\$50	\$1,971		50	-11	-22.00%	\$150				1.025	\$6,061.37	1.0000		\$2,956.77	\$5,913.53 Towr	
97 Water main	Main Ave 2nd to 3rd	LF 6	CAS	15	\$50	\$748	1960	50	-11	-22.00%	\$150	\$2,244	2.50%	1	1.025	\$2,299.94	1.0000	\$2,299.94	\$1,121.92	\$2,243.84 Towr	1 Priority
	Minnesota Ave 2nd to 3rd	LF 6	DIP	543	\$50	\$27,166		100	49	49.00%		1. 1.			0.000	\$273,282.61	0.0106	1 1	1 11 1 11	\$81,497.18	
	Delta Ave 3rd to RR Tracks Orchard Ave 1st to 2nd	LF 6	DIP	425 780	\$50 \$75	\$21,240 \$58,520		100 100	49 64	49.00% 64.00%			2.50%			\$213,670.85 \$852,616.96	0.0106			\$63,720.02 \$175,560.41	
	Orchard Ave 1st to 2nd	LF 6	DIP	100	\$75	\$11,012		100	64	64.00%			2.50%			\$160,446.80	0.0065			\$33,037.23	
	Poplar Ave 2nd to 3rd	LF 6	DIP	529	\$75	\$39,655	1990	100	69	69.00%	\$150	\$118,965	2.50%		5.495	\$653,681.54	0.0056		\$59,482.54	\$118,965.08	
	Poplar Ave 3rd to 4th	LF 6	DIP	524	\$75	\$39,310		100	69	69.00%			2.50%			\$647,987.87	0.0056			\$117,928.88	
	Onarga Ave 3rd to 4th Rio Grande Ave 2nd to 3rd	LF 6	DIP	514 543	\$75 \$75	\$38,568 \$40,716		100 100	69 69	69.00% 69.00%			2.50%		0.100	\$635,759.80 \$671,176.55	0.0056	1.1/1.1.1		\$115,703.46 \$122,149.04	
	Poplar Ave 2nd to 3rd	LF 6	DIP	343	\$75	\$40,710		100	69	69.00%			2.50%			\$39,616.29	0.0056			\$7,209.86	
123 Water main	Poplar Ave 3rd to 4th	LF 6	DIP	29	\$75	\$2,196		100	69	69.00%		\$6,587	2.50%		0.100	\$36,192.07	0.0056			\$6,586.68	
	Onarga Ave 3rd to 4th	LF 6	DIP	35	\$75	\$2,610		100	69	69.00%			2.50%		0.100	\$43,015.74	0.0056			\$7,828.54	
	German Creek to South Oak Ave 3rd to 4th	LF 6	DIP	570 572	\$75 \$75	\$42,761 \$42,864		100 100	69 74	69.00% 74.00%			2.50%		0.100	\$704,885.94 \$799,425.61	0.0056	1.1.		\$128,283.89 \$128,591.43	
	Delta Ave 2nd to 3rd	LF 6	DIP	543	\$75	\$42,004		100	74	74.00%			2.50%			\$759,780.90	0.0048			\$122,214.39	
19 Water main	2nd Street	LF 6	DIP	292	\$75	\$21,887	1995	100	74	74.00%		\$65,660	2.50%			\$408,192.78	0.0048	\$1,956.15	\$32,829.88	\$65,659.76	
	Onarga Ave 2nd to 3rd	LF 6	DIP	529	\$75	\$39,651		100	74	74.00%		1	2.50%			\$739,500.51	0.0048	1.1/1 1.11	1007 000	\$118,952.19	
47 Water main 52 Water main	2nd Street 2nd Street	LF 6	DIP	298	\$75	\$22,381		100	74	74.00%			2.50%			\$417,409.48	0.0048			\$67,142.31 \$67,070.18	
	2nd Street Colorado Ave (100 Block)	LF 6	DIP	298 257	\$75 \$75	\$22,357 \$19,239		100 100	74 74	74.00%			2.50%			\$416,961.06 \$358,815.52	0.0048			\$67,070.18	
62 Water main	2nd Street	LF 6	DIP	311	\$75	\$23,326		100	74	74.00%			2.50%			\$435,042.42	0.0048			\$69,978.65	
	2nd Street	LF 6	DIP	106	\$75	\$7,972	1995	100	74	74.00%	\$150	\$23,915	2.50%	74		\$148,674.59	0.0048			\$23,915.02	
	2nd Street	LF 6		248	\$75	\$18,596		100	74	74.00%			2.50%			\$346,823.00	0.0048	1 7		\$55,788.14	
99 Water main 102 Water main	Onarga Ave 2nd to 3rd 2nd Street	LF 6	DIP	27 271	\$75 \$75	\$2,029 \$20,299		100 100	74 74	74.00% 74.00%			2.50%			\$37,842.84 \$378,589.52	0.0048			\$6,087.20 \$60,897.93	
	2nd Street 2nd Street	LF 6	DIP	34	\$75 \$75	\$20,299 \$2,536		100	74	74.00%			2.50%			\$378,589.52 \$47,293.79	0.0048			\$7,607.43	
					\$75	\$2,000		100	74	74.00%			2.50%			\$39,095.19	0.0048			\$6,288.65	
104 Water main	2nd Street	LF 6	DIP	28	\$/5	\$2,090	1000	100	74	74.00 /0	<u>\$1</u> 50	40,203	2.00 /0								
104 Water main 105 Water main 106 Water main	2nd Street 2nd Street 2nd Street	LF 6 LF 6 LF 6	DIP	28 32 36	\$75 \$75 \$75	\$2,366	1995	100	74 74 74	74.00%	\$150	\$7,099	2.50%	74	6.217	\$44,131.61 \$50,050.86	0.0048		\$3,549.39	\$7,098.78 \$8,050.92	

51 Water main 39 Water main																	
	Colorado Ave 2nd to 3rd	LF	6	DIP	547	\$75	\$41.028 1998	100	77	77.00%	\$150	\$82.056	2.50%	77	6.695	\$549.350.43	0.0044
	3rd/Main (North)	LF	6	DIP	486	\$75	\$36,473 2000	100	79	79.00%	\$150	\$72,945	2.50%	79	7.034	\$513,077.39	0.0041
127 Water main	3rd/Main (North)	LF	6	DIP	3	\$75	\$235 2000	100	79	79.00%	\$150	\$470	2.50%	79	7.034	\$3,303.73	0.0041
65 Water main	Clark Ave 2nd to 3rd	LF	6	DIP	525	\$100	\$52,488 2002	100	81	81.00%	\$100	\$104,976	2.50%	81	7.390	\$775,749.38	0.0039
109 Water main	Clark Ave 2nd to 3rd	LF	6	DIP	21	\$100	\$2,083 2002	100	81	81.00%	\$100	\$4,166	2.50%	81	7.390	\$30,784.10	0.0039
81 Water main	Box Elder Cul-de-Sac	LF	6	PVC	286	\$50	\$14,305 1980	100	59	59.00%	\$150	\$42,915	2.50%	59	4.292	\$184,209.61	0.0076
132 Water main	Box Elder Cul-de-Sac	LF	6	PVC	651	\$50	\$32,561 1980	100	59	59.00%	\$150	\$97,683	2.50%	59	4.292	\$419,300.43	0.0076
226 Water main	Box Elder Cul-de-Sac	LF	6	PVC	142	\$50	\$7,076 1980	100	59	59.00%	\$150	\$21,229	2.50%	59	4.292	\$91,125.75	0.0076
181 Water main	Matthews Lane (Niagara Ave to O Road)	LF	6	PVC	1020	\$75	\$76,471 1985	100	64	64.00%	\$150	\$229,413	2.50%	64	4.857	\$1,114,156.18	0.0065
182 Water main	Matthews Lane (Niagara Ave to O Road)	LF	6	PVC	1383	\$75	\$103,731 1985	100	64	64.00%	\$150	\$311,193	2.50%	64	4.857	\$1,511,324.71	0.0065
183 Water main	Matthews Lane (Niagara Ave to O Road)	LF	6	PVC	1700	\$75	\$127,500 1985	100	64	64.00%	\$150	\$382,499	2.50%	64	4.857	\$1,857,622.13	0.0065
184 Water main	Matthews Lane (Niagara Ave to O Road)	LF	6	PVC	909	\$75	\$68,210 1985	100	64	64.00%	\$150	\$204,629	2.50%	64	4.857	\$993,791.13	0.0065
6 Water main	Niagara Ave between 3rd/4th	LF	6	PVC	558	\$75	\$41,823 1990	100	69	69.00%	\$150	\$125,469	2.50%	69	5.495	\$689,417.57	0.0056
40 Water main	Samuel Wade to 4th/Niagara Ave	LF	6	PVC	357	\$75	\$26,791 1990	100	69	69.00%	\$150	\$80,374	2.50%	69	5.495	\$441,635.99	0.0056
129 Water main	Samuel Wade to 4th/Niagara Ave	LF	6	PVC	40	\$75	\$3,029 1990	100	69	69.00%	\$150	\$9,086	2.50%	69	5.495	\$49,923.49	0.0056
147 Water main	Samuel Wade to 4th/Niagara Ave	LF	6	PVC	681	\$75	\$51,106 1990	100	69	69.00%	\$150	\$153,317	2.50%	69	5.495	\$842,433.94	0.0056
174 Water main	German Creek (West) to O Rd Crossing	LF	6	PVC	1527	\$75	\$114,516 1990	100	69	69.00%	\$150	\$343,549	2.50%	69	5.495	\$1,887,711.61	0.0056
242 Water main	Samuel Wade to 4th/Niagara Ave	LF	6	PVC	701	\$75	\$52,578 1990	100	69	69.00%	\$150	\$157,734	2.50%	69	5.495	\$866,707.48	0.0056
110 Water main	2nd Street	LF	6	PVC	28	\$75	\$2,081 1995	100	74	74.00%	\$150	\$6,242	2.50%	74	6.217	\$38,808.12	0.0048
7 Water main	Niagara Ave 2nd to 3rd	LF	6	PVC	593	\$75	\$44,505 1996	100	75	75.00%	\$150	\$89,010	2.50%	75	6.372	\$567,192.71	0.0047
82 Water main	Niagara Ave 2nd to 3rd	LF	6	PVC	7	\$75	\$507 1996	100	75	75.00%	\$150	\$1,014	2.50%	75	6.372	\$6,458.61	0.0047
94 Water main	Niagara Ave 1st to 2nd	LF	6	PVC	45	\$75	\$3,408 1996	100	75	75.00%	\$150	\$6,816	2.50%	75	6.372	\$43,434.80	0.0047
96 Water main	Niagara Ave 1st to 2nd	LF	6	PVC	401	\$75	\$30,089 1996	100	75	75.00%	\$150	\$60,178	2.50%	75	6.372	\$383.468.89	0.0047
114 Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	105	\$75	\$7,895 1998	100	77	77.00%	\$150	\$15,791	2.50%	77	6.695	\$105,716.79	0.0044
115 Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	260	\$75	\$19,497 1998	100	77	77.00%	\$150	\$38,993	2.50%	77	6.695	\$261,051.87	0.0044
207 Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	200	\$75	\$18,596 1998	100	77	77.00%	\$150	\$37,191	2.50%	77	6.695	\$248,988.27	0.0044
210 Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	507	\$75	\$38,054 1998	100	77	77.00%	\$150	\$76,108	2.50%	77	6.695	\$509,524.78	0.0044
210 Water main 211 Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave) Meadowbrook Subdivision (Meadowbrook/Paonia Ave)			PVC	507					77.00%			2.50%	77			
		LF	6	-		\$75	\$278 1998	100	77		\$150	\$555			6.695	\$3,717.33	0.0044
212 Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	15	\$75	\$1,126 1998	100	77	77.00%	\$150	\$2,252	2.50%	77	6.695	\$15,078.12	0.0044
213 Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	351	\$75	\$26,305 1998	100	77	77.00%	\$150	\$52,611	2.50%	77	6.695	\$352,219.34	0.0044
214 Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	2	\$75	\$179 1998	100	77	77.00%	\$150	\$357	2.50%	77	6.695	\$2,391.61	0.0044
215 Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	61	\$75	\$4,539 1998	100	77	77.00%	\$150	\$9,077	2.50%	77	6.695	\$60,770.96	0.0044
257 Water main	Meadowbrook Subdivision (Meadowbrook/Paonia Ave)	LF	6	PVC	344	\$75	\$25,836 1998	100	77	77.00%	\$150	\$51,671	2.50%	77	6.695	\$345,927.34	0.0044
53 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	499	\$100	\$49,865 2005	100	84	84.00%	\$100	\$99,730	2.50%	84	7.958	\$793,652.92	0.0036
74 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	81	\$100	\$8,115 2005	100	84	84.00%	\$100	\$16,230	2.50%	84	7.958	\$129,155.02	0.0036
79 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	521	\$100	\$52,091 2005	100	84	84.00%	\$100	\$104,182	2.50%	84	7.958	\$829,079.98	0.0036
80 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	572	\$100	\$57,215 2005	100	84	84.00%	\$100	\$114,430	2.50%	84	7.958	\$910,635.46	0.0036
133 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	542	\$100	\$54,222 2005	100	84	84.00%	\$100	\$108,445	2.50%	84	7.958	\$863,003.58	0.0036
134 Water main	Cedar Drive to Vista Drive	LE	6	PVC	49	\$100	\$4,906 2005	100	84	84.00%	\$100	\$9,812	2.50%	84	7.958	\$78,082.30	0.0036
136 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	487	\$100	\$48,665 2005	100	84	84.00%	\$100	\$97,329	2.50%	84	7.958	\$774,547.05	0.0036
138 Water main	· · · · ·	LF	6	PVC	264	\$100	\$26,383 2005	100	84	84.00%	\$100	\$52,766	2.50%	84	7.958	\$419,911.00	0.0036
	3rd/Rio Grande looped through Vista/Minnesota back to 3rd			-					_					-			
216 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	1008	\$100	\$100,795 2005	100	84	84.00%	\$100	\$201,589	2.50%	84	7.958	\$1,604,248.39	0.0036
217 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	73	\$100	\$7,254 2005	100	84	84.00%	\$100	\$14,508	2.50%	84	7.958	\$115,455.55	0.0036
218 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	335	\$100	\$33,470 2005	100	84	84.00%	\$100	\$66,941	2.50%	84	7.958	\$532,716.98	0.0036
219 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	302	\$100	\$30,207 2005	100	84	84.00%	\$100	\$60,415	2.50%	84	7.958	\$480,781.82	0.0036
220 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	698	\$100	\$69,833 2005	100	84	84.00%	\$100	\$139,667	2.50%	84	7.958	\$1,111,471.80	0.0036
221 Water main	Cedar Drive Cul-de-Sac	LF	6	PVC	273	\$100	\$27,258 2005	100	84	84.00%	\$100	\$54,517	2.50%	84	7.958	\$433,843.90	0.0036
249 Water main	3rd/Rio Grande looped through Vista/Minnesota back to 3rd	LF	6	PVC	74	\$100	\$7,350 2005	100	84	84.00%	\$100	\$14,701	2.50%	84	7.958	\$116,989.44	0.0036
84 Water main	Stahl Rd to Samuel Wade	LF	6	PVC	750	\$100	\$74,971 2010	100	89	89.00%	\$100	\$149,941	2.50%	89	9.004	\$1,350,037.44	0.0031
85 Water main	Stahl Rd/Samuel Wade (North)	LF	6	PVC	214	\$100	A04.050 0040	100	89	89.00%	\$100	\$42,704	2.50%	89	9.004		
145 Water main	Stahl Rd to Samuel Wade						\$21,352 2010									\$384,500.90	0.0031
			6	PVC				100	89	89.00%	\$100	\$2.097	2.50%	89			
146 Water main		LF	-	PVC PVC	10	\$100	\$1,049 2010	100	89 89	89.00% 89.00%	\$100 \$100	\$2,097 \$1,269	2.50%	89 89	9.004	\$18,881.94	0.0031
146 Water main	Stahl Rd/Samuel Wade (North)	LF	6	PVC	10 6	\$100 \$100	\$1,049 2010 \$635 2010	100	89	89.00%	\$100	\$1,269	2.50%	89	9.004 9.004	\$18,881.94 \$11,429.55	0.0031 0.0031
243 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave	LF LF	6	PVC PVC	10 6 156	\$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010	100 100	89 89	89.00% 89.00%	\$100 \$100	\$1,269 \$31,122	2.50% 2.50%	89 89	9.004 9.004 9.004	\$18,881.94 \$11,429.55 \$280,211.99	0.0031 0.0031 0.0031
243 Water main 245 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave	LF LF LF	6 6 6	PVC PVC PVC	10 6 156 90	\$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010	100 100 100	89 89 89	89.00% 89.00% 89.00%	\$100 \$100 \$100	\$1,269 \$31,122 \$18,047	2.50% 2.50% 2.50%	89 89 89	9.004 9.004 9.004 9.004	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85	0.0031 0.0031 0.0031 0.0031
243 Water main 245 Water main 244 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd	LF LF LF	6 6 6 6	PVC PVC PVC PVC	10 6 156 90 275	\$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012	100 100 100 100	89 89 89 91	89.00% 89.00% 89.00% 91.00%	\$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059	2.50% 2.50% 2.50% 2.50%	89 89 89 91	9.004 9.004 9.004 9.004 9.004 9.460	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45	0.0031 0.0031 0.0031 0.0031 0.0030
243 Water main 245 Water main 244 Water main 246 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd	LF LF LF LF LF	6 6 6 6 6	PVC PVC PVC PVC PVC	10 6 156 90 275 184	\$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012	100 100 100 100 100	89 89 89 91 91	89.00% 89.00% 91.00% 91.00%	\$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803	2.50% 2.50% 2.50% 2.50% 2.50%	89 89 89 91 91	9.004 9.004 9.004 9.004 9.460 9.460	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$348,145.26	0.0031 0.0031 0.0031 0.0031 0.0030 0.0030
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd	LF LF LF LF LF LF	6 6 6 6 6 6	PVC PVC PVC PVC PVC PVC	10 6 156 90 275 184 290	\$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$28,998 2012	100 100 100 100 100 100	89 89 89 91 91 91	89.00% 89.00% 91.00% 91.00% 91.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996	2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 91	9.004 9.004 9.004 9.004 9.460 9.460 9.460	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$348,145.26 \$548,621.74	0.0031 0.0031 0.0031 0.0031 0.0030 0.0030 0.0030
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main 248 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Price Rd	LF LF LF LF LF LF LF	6 6 6 6 6 6 6	PVC PVC PVC PVC PVC PVC PVC	10 6 156 90 275 184 290 147	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$28,998 2012 \$14,670 2012	100 100 100 100 100 100 100	89 89 91 91 91 91 91 91	89.00% 89.00% 91.00% 91.00% 91.00% 91.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 91 91 91	9.004 9.004 9.004 9.004 9.460 9.460 9.460 9.460	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$348,145.26 \$548,621.74 \$277,546.00	0.0031 0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main 248 Water main 28 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Price Rd Box Elder 3rd to 4th	LF LF LF LF LF LF LF LF	6 6 6 6 6 6 6 6	PVC PVC PVC PVC PVC PVC PVC PVC	10 6 156 90 275 184 290 147 505	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$28,998 2012 \$14,670 2012 \$50,471 2018	100 100 100 100 100 100 100 100	89 89 89 91 91 91 91 91 91 91 91 91 91 91 91 91 97 97	89.00% 89.00% 91.00% 91.00% 91.00% 91.00% 97.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 91 91 91 97	9.004 9.004 9.004 9.004 9.460 9.460 9.460 9.460 9.460 10.970	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$348,145.26 \$548,621.74 \$277,546.00 \$553,678.08	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0030 0.0030
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main 248 Water main 248 Water main 30 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Box Elder 2nd to 3rd	LF LF LF LF LF LF LF LF LF	6 6 6 6 6 6 6 6	PVC PVC PVC PVC PVC PVC PVC PVC PVC	10 6 156 90 275 184 290 147 505 548	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$2,7,529 2012 \$18,402 2012 \$28,998 2012 \$14,670 2012 \$50,471 2018 \$54,832 2018	100 100 100 100 100 100 100 100 100	89 89 91 91 91 91 91 91 91 91 91 91 91 91 91 91 91 91 91	89.00% 89.00% 91.00% 91.00% 91.00% 91.00% 97.00% 97.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 91 91 97 97	9.004 9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$348,145.26 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0030 0.0030 0.0025
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main 248 Water main 248 Water main 30 Water main 67 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Box Elder 2nd to 3rd 3rd/Clark (North)	LF LF LF LF LF LF LF LF LF LF	6 6 6 6 6 6 6 6 6 6	PVC PVC PVC PVC PVC PVC PVC PVC PVC PVC	10 6 156 90 275 184 290 147 505 548 162	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$18,402 2012 \$14,670 2012 \$14,670 2012 \$50,471 2018 \$54,832 2018	100 100 100 100 100 100 100 100 100	89 89 91 91 91 91 91 97 97 97	89.00% 89.00% 91.00% 91.00% 91.00% 91.00% 97.00% 97.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 91 91 97 97 97	9.004 9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970 10.970	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$348,145.26 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0030 0.0030 0.0025 0.0025 0.0025
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main 248 Water main 248 Water main 30 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Box Elder 2nd to 3rd	LF LF LF LF LF LF LF LF LF	6 6 6 6 6 6 6 6	PVC PVC PVC PVC PVC PVC PVC PVC PVC	10 6 156 90 275 184 290 147 505 548	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$2,7,529 2012 \$18,402 2012 \$28,998 2012 \$14,670 2012 \$50,471 2018 \$54,832 2018	100 100 100 100 100 100 100 100 100	89 89 91 91 91 91 91 91 91 91 91 91 91 91 91 91 91 91 91	89.00% 89.00% 91.00% 91.00% 91.00% 91.00% 97.00% 97.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 91 91 97 97	9.004 9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$348,145.26 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0030 0.0030 0.0025
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main 248 Water main 248 Water main 30 Water main 67 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Box Elder 2nd to 3rd 3rd/Clark (North)	LF LF LF LF LF LF LF LF LF LF	6 6 6 6 6 6 6 6 6 6	PVC PVC PVC PVC PVC PVC PVC PVC PVC PVC	10 6 156 90 275 184 290 147 505 548 162	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$18,402 2012 \$14,670 2012 \$14,670 2012 \$50,471 2018 \$54,832 2018	100 100 100 100 100 100 100 100 100	89 89 91 91 91 91 91 97 97 97	89.00% 89.00% 91.00% 91.00% 91.00% 91.00% 97.00% 97.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 91 91 97 97 97	9.004 9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970 10.970	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$348,145.26 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0030 0.0030 0.0025 0.0025 0.0025
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main 248 Water main 28 Water main 30 Water main 67 Water main 122 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Box Elder 2nd to 3rd 3rd/Clark (North) Box Elder 3rd to 4th	LF LF LF LF LF LF LF LF LF LF LF	6 6 6 6 6 6 6 6 6 6 6	PVC PVC PVC PVC PVC PVC PVC PVC PVC PVC	10 6 156 90 275 184 290 147 505 548 162 46	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$28,998 2012 \$14,670 2012 \$50,471 2018 \$54,832 2018 \$4,600 2018	100 100 100 100 100 100 100 100 100 100	89 89 91 91 91 91 91 97 97 97 97 97	88.00% 89.00% 81.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 91 97 97 97 97	9.004 9.004 9.004 9.460 9.460 9.460 9.460 9.460 10.970 10.970 10.970 10.970	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$50,463.75	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0030 0.0025 0.0025 0.0025 0.0025
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main 248 Water main 28 Water main 30 Water main 67 Water main 122 Water main 141 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Box Elder 2rd to 4th Box Elder 3rd to 4th Box Elder 3rd to 4th Box Elder 3rd to 4th	LF LF LF LF LF LF LF LF LF LF LF LF	6 6 6 6 6 6 6 6 6 6 6 6 6	PVC PVC PVC PVC PVC PVC PVC PVC PVC PVC	10 6 156 90 275 184 290 147 505 548 162 46 3	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$18,402 2012 \$14,670 2012 \$50,471 2018 \$54,832 2018 \$16,183 2018 \$4,600 2018 \$339 2018	100 100 100 100 100 100 100 100 100 100	89 89 91 91 91 91 97 97 97 97 97 97	89.00% 89.00% 81.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 91 97 97 97 97 97	9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$348,145.26 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$50,463.75 \$3,718.91	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0025 0.0025 0.0025 0.0025 0.0025
243 Water main 244 Water main 244 Water main 246 Water main 247 Water main 248 Water main 249 Water main 248 Water main 30 Water main 67 Water main 122 Water main 141 Water main 229 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th	LF LF LF LF LF LF LF LF LF LF LF LF	6 6 6 6 6 6 6 6 6 6 6 6 6	PVC	10 6 156 90 275 184 290 147 505 548 162 46 3 156	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$18,402 2012 \$14,670 2012 \$50,471 2018 \$54,832 2018 \$16,183 2018 \$4,600 2018 \$339 2018 \$15,590 2018	100 100 100 100 100 100 100 100 100 100	89 89 91 91 91 97 97 97 97 97 97 97 97 97	89.00% 89.00% 89.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339 \$15,590	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 97 97 97 97 97 97 97	9.004 9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970 10.970	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$348,145.26 \$348,145.26 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$50,463.75 \$3,718.91 \$171,029.10	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main 248 Water main 248 Water main 248 Water main 30 Water main 67 Water main 122 Water main 141 Water main 229 Water main 75 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Bord/Clark (North) Dorris Ave, Colorado Ave to 2nd	LF LF LF LF LF LF LF LF LF LF LF LF LF L	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PVC	10 6 156 90 275 184 290 147 505 548 162 46 3 156 559	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$14,670 2012 \$14,670 2012 \$50,471 2018 \$54,832 2018 \$16,183 2018 \$16,183 2018 \$16,183 2018 \$15,590 2018 \$339 2018	100 100 100 100 100 100 100 100 100 100	89 89 91 91 91 97 97 97 97 97 97 97 97 97 97 97 97	89.00% 89.00% 89.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 98.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339 \$15,590 \$55,917	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 97 97 97 97 97 97 97 97 97	9.004 9.004 9.004 9.004 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970 10.970 11.244	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$260,833.45 \$348,145.26 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$50,463.75 \$3,718.91 \$171,029.10 \$628,755.74	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0030 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025
243 Water main 245 Water main 244 Water main 244 Water main 246 Water main 247 Water main 248 Water main 248 Water main 30 Water main 41 Water main 122 Water main 141 Water main 75 Water main 75 Water main 63 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Box Elder 2nd to 3rd 3rd/Clark (North) Box Elder 3rd to 4th Dorris Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd	LF LF LF LF LF LF LF LF LF LF LF LF LF L	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PVC	10 6 156 90 275 184 290 147 505 548 162 46 3 156 559 138 273	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$18,402 2012 \$14,670 2012 \$54,670 2018 \$54,6183 2018 \$4,600 2018 \$339 2018 \$15,590 2018 \$15,590 2018 \$55,917 2019 \$37,777 2019	100 100 100 100 100 100 100 100 100 100	89 89 89 91 91 91 97 97 97 97 97 97 97 97 97 97 98 98 98	88.00% 89.00% 89.00% 91.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 98.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339 \$15,590 \$55,917 \$13,757 \$27,274	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 97 97 97 97 97 97 97 97 97 98 88	9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970 10.970 10.970 11.244 11.244	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$50,463.75 \$3,718.91 \$171,029.10 \$628,755.74 \$154,694.83 \$306,680.35	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0025 0.0024
243 Water main 245 Water main 244 Water main 247 Water main 248 Water main 248 Water main 248 Water main 28 Water main 30 Water main 67 Water main 122 Water main 229 Water main 75 Water main 208 Water main 63 Water main 107 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Box Elder 2nd to 3rd 3rd/Clark (North) Box Elder 3rd to 4th Dorris Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd	LF LF LF LF LF LF LF LF LF LF LF LF LF L	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PVC	10 6 156 90 275 184 290 147 505 548 162 46 3 3 156 559 138 273 27	\$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$28,998 2012 \$14,670 2012 \$50,471 2018 \$54,832 2018 \$4,600 2018 \$4,600 2018 \$339 2018 \$15,590 2018 \$15,5917 2019 \$13,757 2019 \$27,274 2019	100 100 100 100 100 100 100 100 100 100	89 89 91 91 91 97 97 97 97 97 97 97 97 97 97 98 98 98 98	88.00% 89.00% 89.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 98.00% 98.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339 \$15,590 \$55,917 \$13,757 \$27,274 \$2,702	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 97 97 97 97 97 97 97 97 98 98 98	9.004 9.004 9.004 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970 10.970 11.244 11.244 11.244	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$50,463.75 \$3,718.91 \$171,029.10 \$628,755.74 \$154,694.83 \$306,680.35 \$30,379.78	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0024 0.0024 0.0024 0.0024
243 Water main 244 Water main 244 Water main 246 Water main 247 Water main 248 Water main 249 Water main 240 Water main 241 Water main 242 Water main 30 Water main 67 Water main 122 Water main 123 Water main 229 Water main 208 Water main 208 Water main 301 Water main 302 Water main 303 Water main 304 Water main 305 Water main 306 Water main 307 Water main 308 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Box Elder 2nd to 3rd 3rd/Clark (North) Box Elder 3rd to 4th Box Elder 3rd to 4th Dorris Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd	LF LF LF LF LF LF LF LF LF LF LF LF LF L	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PVC	10 6 156 90 275 184 290 147 505 548 162 46 3 156 559 138 273 273 83	\$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$28,998 2012 \$14,670 2012 \$50,471 2018 \$14,670 2018 \$16,183 2018 \$4,600 2018 \$339 2018 \$15,590 2018 \$55,917 2019 \$13,757 2019 \$2,7274 2019 \$2,7274 2019 \$2,702 2019	100 100 100 100 100 100 100 100 100 100	89 89 91 91 91 97 97 97 97 97 97 97 97 97 98 98 98 98 98 98	89.00% 89.00% 89.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 98.00% 98.00% 98.00% 98.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339 \$15,590 \$55,917 \$13,757 \$27,274 \$2,702 \$8,285	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 97 97 97 97 97 97 97 97 97 98 98 98 98	9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970 11.244 11.244 11.244	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$177,526.31 \$177,526.31 \$171,029.10 \$28,755.74 \$154,694.83 \$306,680.35 \$30,379.78 \$93,156.49	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0024 0.0024 0.0024 0.0024 0.0024
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main 248 Water main 248 Water main 249 Water main 240 Water main 241 Water main 242 Water main 30 Water main 122 Water main 123 Water main 208 Water main 208 Water main 30 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Dorris Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd	LF LF LF LF LF LF LF LF LF LF LF LF LF L	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PVC	10 6 156 90 275 184 290 147 505 548 162 46 3 156 559 138 273 277 83 156	\$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$2,7529 2012 \$18,402 2012 \$14,670 2012 \$50,471 2018 \$54,832 2018 \$16,183 2018 \$4,600 2018 \$339 2018 \$15,590 2018 \$55,917 2019 \$13,757 2019 \$13,757 2019 \$2,722 2019 \$2,722 2019 \$2,722 2019 \$2,722 2019 \$2,725 2019 \$15,558 2019	100 100 100 100 100 100 100 100 100 100	89 89 91 91 91 97 97 97 97 97 97 97 97 97 97 98 98 98 98 98 98 98	89.00% 89.00% 89.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 98.00% 98.00% 98.00% 98.00% 98.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339 \$15,590 \$55,917 \$13,757 \$27,274 \$27,274 \$2,702 \$8,285 \$15,558	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 97 97 97 97 97 97 97 97 97 98 98 98 98 98	9.004 9.004 9.004 9.004 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970 10.970 11.244 11.244 11.244 11.244	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$50,463.75 \$3,718.91 \$171,029.10 \$628,755.74 \$154,694.83 \$306,680.35 \$30,379.78 \$33,156.49 \$174,938.21	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0025 0.0024 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025
243 Water main 245 Water main 244 Water main 246 Water main 247 Water main 248 Water main 248 Water main 248 Water main 28 Water main 30 Water main 122 Water main 123 Water main 229 Water main 208 Water main 208 Water main 63 Water main 107 Water main 108 Water main 112 Water main 112 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Dorris Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Darris Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd	LF LF LF LF LF LF LF LF LF LF LF LF LF L		PVC	10 6 156 90 275 184 290 147 505 548 162 46 3 156 559 138 273 27 27 83 156 4	\$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$18,402 2012 \$14,670 2012 \$14,670 2012 \$14,670 2018 \$16,183 2018 \$4,600 2018 \$4,600 2018 \$4,600 2018 \$15,590 2018 \$15,590 2018 \$15,590 2018 \$27,274 2019 \$2,702 2019 \$2,702 2019 \$2,702 2019 \$8,285 2019 \$336 2019 \$356 2019	100 100	89 89 91 91 91 97 97 97 97 97 97 98	89.00% 89.00% 89.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339 \$15,590 \$55,917 \$13,757 \$27,274 \$27,027 \$2,702 \$8,285 \$15,558 \$356	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 97 97 97 97 97 97 97 97 98 98 98 98 98 98	9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970 10.970 11.244 11.244 11.244 11.244 11.244	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$542,033.45 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$50,463.75 \$3,718.91 \$171,029.10 \$628,755.74 \$154,694.83 \$306,680.35 \$30,379.78 \$93,156.49 \$174,938.21 \$4,007.73	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024
243 Water main 245 Water main 244 Water main 244 Water main 244 Water main 247 Water main 248 Water main 248 Water main 30 Water main 67 Water main 122 Water main 229 Water main 208 Water main 208 Water main 63 Water main 107 Water main 112 Water main 113 Water main 1113 Water main 204 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Box Elder 2nd to 3rd 3rd/Clark (North) Box Elder 3rd to 4th Clark (North) Dorris Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd	LF LF LF LF LF LF LF LF LF LF	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PVC	10 6 156 90 275 184 290 147 505 548 162 46 3 156 559 138 273 27 27 83 156 4 151	\$100 \$100	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$2,7529 2012 \$18,402 2012 \$18,402 2012 \$14,670 2012 \$54,670 2012 \$54,633 2018 \$4,600 2018 \$339 2018 \$16,590 2018 \$15,590 2018 \$55,917 2019 \$2,702 2019 \$2,702 2019 \$2,702 2019 \$2,702 2019 \$2,702 2019 \$1,558 2019 \$356 2019 \$15,065 2019	100 100 100 100 100 100 100 100 100 100	89 89 89 91 91 97 97 97 97 97 97 98	88.00% 89.00% 89.00% 91.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339 \$15,590 \$55,917 \$13,757 \$27,274 \$2,702 \$8,285 \$15,558 \$15,558 \$356 \$15,065	2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50% 2.50%	89 89 91 91 91 97 97 97 97 97 97 97 98 98 98 98 98 98 98	9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970 10.970 11.244 11.244 11.244 11.244 11.244 11.244	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$542,0833.45 \$543,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$50,463.75 \$3,718.91 \$171,029.10 \$628,755.74 \$154,694.83 \$306,680.35 \$30,379.78 \$93,156.49 \$174,938.21 \$4,007.73 \$169,401.35	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0025 0.0024 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025
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97 97 97 97 97 97 98 99 59 59 59	89.00% 89.00% 89.00% 91.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 98	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339 \$15,590 \$55,917 \$13,757 \$27,274 \$2,702 \$8,285 \$15,558 \$356 \$15,065 \$15,065 \$15,065 \$15,005 \$54,029 \$54,500 \$55,367	2.50% 2.50%	89 89 91 91 91 97 97 97 97 97 97 97 97 97 97 98 98 98 98 98 98 98 98 98 98 59 59	9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970 10.970 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$542,033.45 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$50,463.75 \$3,718.91 \$171,029.10 \$628,755.74 \$154,694.83 \$306,680.35 \$30,379.78 \$93,156.49 \$174,938.21 \$4,007.73 \$169,401.35 \$16,982.70 \$231,917.28 \$233,941.89 \$224,784.66	0.0031 0.0031 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243 Water main 244 Water main 244 Water main 244 Water main 247 Water main 248 Water main 248 Water main 248 Water main 249 Water main 30 Water main 67 Water main 122 Water main 229 Water main 208 Water main 63 Water main 107 Water main 108 Water main 1017 Water main 10208 Water main 103 Water main 104 Water main 105 Water main 112 Water main 204 Water main 205 Water main 206 Water main 30 Water main 310 Water main 3209 Water main 33 Water main 34 Water main 35 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Box Elder 2nd to 3rd 3rd/Clark (North) Box Elder 3rd to 4th Clark Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Darris Ave, Colorado Ave to 2nd Daris Ave, Colorado Ave to 2nd	UF	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PVC PUP DIP DIP DIP DIP DIP DIP	10 6 156 90 275 184 290 147 505 548 162 46 3 3 156 559 138 273 27 83 156 4 151 151 15 360 363 349 326 277 26	\$100 \$500 \$50 \$50 \$50 \$50 \$50 \$50	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$28,998 2012 \$18,402 2012 \$28,998 2012 \$14,670 2012 \$50,471 2018 \$4,600 2018 \$4,600 2018 \$4,600 2018 \$4,600 2018 \$15,580 2018 \$15,580 2018 \$15,580 2018 \$15,580 2019 \$13,757 2019 \$27,274 2019 \$27,274 2019 \$27,274 2019 \$27,274 2019 \$27,274 2019 \$27,274 2019 \$15,565 2019 \$15,565 2019 \$15,505 200	100 100	89 89 89 91 91 91 91 97 97 97 97 97 97 97 98 99 99 99 99 99 99 99	89.00% 89.00% 89.00% 91.00% 91.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 59.00% 59.00% 59.00% 59.00% 59.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339 \$15,590 \$55,917 \$13,757 \$13,757 \$127,274 \$27,02 \$8,285 \$15,558 \$15,558 \$15,558 \$15,558 \$15,558 \$15,558 \$15,558 \$15,506 \$1,510 \$54,029 \$54,500 \$55,367 \$48,927 \$41,495 \$3,850	2.50% 2.50%2.50% 2.50%	89 89 91 91 91 97 97 97 97 97 97 97 97 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98	9.004 9.004 9.004 9.004 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970 10.970 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244 2.292 4.292 4.292	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$548,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$177,526.31 \$177,526.31 \$177,526.31 \$171,029.10 \$628,755.74 \$154,694.83 \$303,680.35 \$30,379.78 \$93,156.49 \$174,938.21 \$4,007.73 \$169,9401.35 \$16,982.70 \$231,917.28 \$233,941.89 \$224,784.66 \$210,019.05 \$178,115.85 \$16,525.32	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0024 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0024 0.0025 0.0027 0.0027 0.0027 0.0027 0.0027 0.0027 0.0027 0.0027 0.0027 0.0027 0.0027 0.0027 0.0027 0.0027 0.0027 0.0076
243 Water main 244 Water main 244 Water main 244 Water main 244 Water main 247 Water main 248 Water main 248 Water main 248 Water main 30 Water main 41 Water main 122 Water main 229 Water main 208 Water main 63 Water main 107 Water main 108 Water main 109 Water main 1012 Water main 1020 Water main 103 Water main 104 Water main 105 Water main 106 Water main 107 Water main 108 Water main 109 Water main 100 Water main 44 Water main 445 Water main 101 Water main	Stahl Rd/Samuel Wade (North) Samuel Wade to 4th/Niagara Ave Samuel Wade to 4th/Niagara Ave Price Rd Price Rd Price Rd Box Elder 3rd to 4th Dorris Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Clark Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Dorris Ave, Colorado Ave to 2nd Darris Ave, Colorado Ave to 2nd Daris Ave, Colorado Ave to 2nd Dari	UF	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PVC PUP DIP DIP DIP DIP DIP DIP DIP	10 6 156 90 275 184 290 147 505 548 162 46 3 3 156 559 138 273 27 83 156 4 151 15 360 363 349 326 277 28 3	\$100 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$	\$1,049 2010 \$635 2010 \$15,561 2010 \$9,024 2010 \$27,529 2012 \$18,402 2012 \$18,402 2012 \$14,670 2012 \$14,670 2012 \$14,670 2012 \$14,670 2018 \$4,600 2018 \$4,600 2018 \$4,600 2018 \$15,590 2018 \$15,590 2018 \$15,590 2018 \$15,590 2018 \$15,590 2018 \$15,590 2018 \$15,590 2018 \$15,590 2018 \$15,590 2019 \$13,757 2019 \$27,274 2019 \$27,274 2019 \$27,274 2019 \$27,274 2019 \$15,558 2019 \$15,055 2019 \$15,055 2019 \$15,065 2019 \$15,605 2019 \$1,510 2019 \$18,167 1980 \$1,7456 1980 \$1,832 1980 \$1,832 1980 \$1,283 1980 \$45,673 1995	100 100 100 100 100 100 100 100 100 100	89 89 89 91 91 91 97 97 97 97 97 97 97 97 97 98 99 99 99 99	89.00% 89.00% 89.00% 91.00% 91.00% 91.00% 91.00% 91.00% 97.00% 97.00% 97.00% 97.00% 97.00% 97.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 98.00% 59.00% 59.00% 59.00% 59.00% 59.00% 59.00% 59.00% 59.00% 59.00% 59.00% 59.00%	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	\$1,269 \$31,122 \$18,047 \$55,059 \$36,803 \$57,996 \$29,340 \$50,471 \$54,832 \$16,183 \$4,600 \$339 \$15,590 \$55,917 \$13,757 \$27,274 \$2,702 \$8,285 \$15,558 \$15,558 \$15,558 \$15,065 \$15,065 \$1,510 \$54,029 \$54,500 \$52,367 \$41,495 \$3,850 \$13,7019	2.50% 2.50%	89 89 91 91 91 97 97 97 97 97 97 97 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98	9.004 9.004 9.004 9.460 9.460 9.460 9.460 10.970 10.970 10.970 10.970 10.970 10.970 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244 11.244 2.292 4.292 4.292 4.292 4.292 6.217	\$18,881.94 \$11,429.55 \$280,211.99 \$162,492.85 \$520,833.45 \$542,033.45 \$544,621.74 \$277,546.00 \$553,678.08 \$601,514.73 \$107,526.31 \$50,463.75 \$3,718.91 \$171,029.10 \$628,755.74 \$154,694.83 \$30,680.35 \$30,379.78 \$30,379.78 \$30,379.78 \$30,379.78 \$30,379.78 \$30,379.78 \$16,982.70 \$233,941.89 \$224,784.66 \$210,019.05 \$178,115.85 \$16,525.32 \$851,820.48	0.0031 0.0031 0.0031 0.0030 0.0030 0.0030 0.0030 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0024 0.0025 0.0027 0.0027 0.0027 0.0027 0.0076

\$2,411.63	\$61,542.21	\$123,084.42	
\$2,125.87	\$54,709.00	\$109,418.00	
\$13.69	\$352.27	\$704.55	
\$3,035.10	\$78,731.70	\$157,463.39	
\$120.44	\$3,124.31	\$6,248.63	
\$1,398.72	\$21,457.26	\$42,914.52	
\$3,183.78	\$48,841.30	\$97,682.61	
\$691.92	\$10,614.59	\$21,229.17	
\$7,222.50	\$114,706.68	\$229,413.35	
\$9,797.14	\$155,596.71	\$311,193.41	
\$12,042.01	\$191,249.36	\$382,498.72	
\$6,442.24	\$102,314.63	\$204,629.26	
\$3,834.58	\$62,734.38	\$125,468.77	
\$2,456.41	\$40,187.20	\$80,374.40	
\$277.68	\$4,542.85	\$9,085.70	
\$4,685.67	\$76,658.29	\$153,316.59	
\$10,499.57	\$171,774.60	\$343,549.19	
\$4,820.68	\$78,867.09	\$157,734.19	
\$185.98	\$3,121.24	\$6,242.47	
\$2,639.48	\$66,757.80	\$133,515.59	
\$30.06	\$760.17	\$1,520.34	
\$202.13	\$5,112.22	\$10,224.43	
\$1,784.50	\$45,133.76	\$90,267.52	
\$464.09	\$11,843.16	\$23,686.32	
\$1,146.01	\$29,244.92	\$58,489.84	
\$1,093.05	\$27,893.47	\$55,786.94	
\$2,236.80	\$57,080.65	\$114,161.31	
\$16.32	\$416.44	\$832.88	
\$66.19	\$1,689.16	\$3,378.32	
\$1,546.23	\$39,458.16	\$78,916.32	
\$10.50	\$267.93	\$535.85	
\$266.78	\$6,808.00	\$13,616.01	
\$1,518.61	\$38,753.28	\$77,506.57	
\$2,851.58	\$74,797.52	\$149,595.04	
\$464.05	\$12,172.17	\$24,344.33	
\$2,978.87	\$78,136.33	\$156,272.66	
\$3,271.89	\$85,822.49	\$171,644.99	
\$3,100.75	\$81,333.44	\$162,666.89	
\$280.55	\$7,358.84	\$14,717.67	
\$2,782.93	\$72,996.89	\$145,993.79	
\$1,508.73	\$39,574.35	\$79,148.71	
		\$302,383.56	
\$5,764.03	\$151,191.78		
\$414.83	\$10,881.06	\$21,762.13	
\$1,914.04	\$50,205.71	\$100,411.42	
\$1,727.44	\$45,311.10	\$90,622.20	
\$3,993.50	\$104,750.24	\$209,500.48	
\$1,558.79	\$40,887.45	\$81,774.91	
\$420.34	\$11,025.63	\$22,051.25	
\$4,216.88	\$112,456.11	\$224,912.22	
\$1,201.00	\$32,028.35	\$64,056.71	
\$58.98	\$1,572.84	\$3,145.67	
\$35.70	\$952.06	\$1,904.13	
\$875.25	\$23,341.24	\$46,682.48	
\$507.55	\$13,535.41	\$27,070.83	
\$1,539.18	\$41,294.14	\$82,588.27	
\$1,028.85	\$27,602.60	\$55,205.20	
\$1,621.30	\$43,497.32	\$86,994.64	
\$820.21	\$22,005.16	\$44,010.31	
\$1,388.33	\$75,706.58	\$151,413.17	
\$1,508.28	\$82,247.48	\$164,494.95	
\$445.14	\$24,273.87	\$48,547.74	
\$126.54	\$6,900.11	\$13,800.21	
\$9.33	\$508.50	\$1,017.00	
\$428.85	\$23,385.48	\$46,770.96	
\$1,534.38	\$83,875.36	\$167,750.73	
\$377.51	\$20,636.13	\$41,272.26	
\$748.40	\$40,910.84	\$81,821.68	
\$74.14	\$4,052.63	\$8,105.26	
\$227.33	\$12,426.98	\$24,853.96	
\$426.91	\$23,336.58	\$46,673.15	
\$9.78	\$534.63	\$1,069.25	
\$9.78	\$22,597.96	\$45,195.93	
\$41.44	\$2,265.47	\$4,530.95	
\$1,760.96	\$27,014.38	\$54,028.77	
\$1,776.34	\$27,250.22	\$54,500.43	
\$1,706.80	\$26,183.56	\$52,367.11	
	\$24,463.61	\$48,927.23	
\$1,594.69	¢00 747 44	\$41,494.88	
\$1,594.69 \$1,352.45	\$20,747.44		
	\$20,747.44 \$1,924.92	\$3,849.83	
\$1,352.45			
\$1,352.45 \$125.48	\$1,924.92	\$3,849.83	
\$1,352.45 \$125.48 \$4,082.11	\$1,924.92 \$68,509.70	\$3,849.83 \$137,019.39	

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140 Water main	North Fork Ave 4th to 6th	LF	8	DIP	7	\$75	\$548 1997	100	76	76.00%	\$150	\$1,095	2.50%		.532 \$7,15		\$32.33	\$821.34		
235 Water main	North Fork Ave 4th to 6th	LF	8	DIP	778	\$75	\$58,340 1997	100	76	76.00%	\$150	\$116,680	2.50%		.532 \$762,09		\$3,444.34	\$87,510.02	\$175,020.05	
252 Water main	Paonia Ave/Colorado Ave up Harding Rd to PRV	LF	8	PVC	2048	\$50	\$102,414 1980	100	59	59.00%	\$150	\$307,243	2.50%		.292 \$1,318,83		\$10,013.99	\$153,621.53		
253 Water main	PRV to PRV (Dry Gulch Rd)	LF	8	PVC	27	\$50	\$1,337 1980	100	59	59.00%	\$150	\$4,012	2.50%		.292 \$17,22		\$130.78	\$2,006.21	\$4,012.42	
255 Water main	PRV at Dry Gulch Rd to Air Vac	LF	8	PVC	2097	\$50	\$104,840 1980	100	59	59.00%	\$150	\$314,519	2.50%		.292 \$1,350,06		\$10,251.15	\$157,259.67		
256 Water main	PRV at Dry Gulch Rd to Air Vac	LF	8	PVC	3099	\$50	\$154,975 1980	100	59	59.00%	\$150	\$464,924	2.50%		.292 \$1,995,67		\$15,153.29	\$232,461.94	\$464,923.87	
150 Water main	Air Vac on Dry Gulch Rd to 2MG Tank	LF	8	PVC	1153	\$75	\$86,500 1985	100	64	64.00%	\$150	\$259,499	2.50%		.857 \$1,260,26		\$8,169.67	\$129,749.36	\$259,498.72	
152 Water main	Air Vac on Dry Gulch Rd to 2MG Tank	LF	8	PVC	3374	\$75	\$253,063 1985	100	64	64.00%	\$150	\$759,189	2.50%		.857 \$3,687,03		\$23,901.16	\$379,594.61	\$759,189.21	
11 Water main	Grand Ave 2nd to 3rd	LF	8	PVC	525	\$75	\$39,356 1990	100	69	69.00%	\$150	\$118,067	2.50%		.495 \$648,74		\$3,608.36	\$59,033.33	1	
12 Water main	Grand Ave 1st to 2nd	LF	8	PVC	435	\$75	\$32,627 1990	100	69	69.00%	\$150	\$97,882	2.50%		.495 \$537,83		\$2,991.48	\$48,941.00	\$97,882.00	
13 Water main	Grand Ave 3rd to 5th	LF	8	PVC	524	\$75	\$39,305 1990	100	69	69.00%	\$150	\$117,915	2.50%		.495 \$647,91		\$3,603.74	\$58,957.71	\$117,915.41	
37 Water main	Grand Ave 3rd to 5th	LF	8	PVC	16	\$75	\$1,210 1990	100	69	69.00%	\$150	\$3,631	2.50%	69	.495 \$19,95	0.34 0.0056	\$110.97	\$1,815.41	\$3,630.81	
98 Water main	Grand Ave 2nd to 3rd	LF	8	PVC	32	\$75	\$2,371 1990	100	69	69.00%	\$150	\$7,114	2.50%	69	.495 \$39,09	.30 0.0056	\$217.43	\$3,557.16	\$7,114.32	
126 Water main	Grand Ave 3rd to 5th	LF	8	PVC	36	\$75	\$2,731 1990	100	69	69.00%	\$150	\$8,192	2.50%	69	.495 \$45,01	0.0056	\$250.36	\$4,095.99	\$8,191.98	
238 Water main	High School to Main/4th	LF	8	PVC	2213	\$75	\$165,975 1990	100	69	69.00%	\$150	\$497,924	2.50%	69	.495 \$2,735,95	0.0056	\$15,217.58	\$248,961.85	\$497,923.69	
239 Water main	High School to Main/4th	LF	8	PVC	840	\$75	\$62,967 1990	100	69	69.00%	\$150	\$188,901	2.50%	69	.495 \$1,037,95	0.0056	\$5,773.19	\$94,450.30	\$188,900.61	
240 Water main	High School to Main/4th	LF	8	PVC	551	\$75	\$41,289 1990	100	69	69.00%	\$150	\$123,867	2.50%	69	.495 \$680,61	0.01 0.0056	\$3,785.65	\$61,933.75	\$123,867.50	
77 Water main	2nd Street, Lamborn Ave to Paonia Ave	LF	8	PVC	303	\$75	\$22,736 1995	100	74	74.00%	\$150	\$68,207	2.50%	74	.217 \$424,02	0.0048	\$2,032.03	\$34,103.31	\$68,206.63	
111 Water main	2nd Street, Lamborn Ave to Paonia Ave	LF	8	PVC	225	\$75	\$16,848 1995	100	74	74.00%	\$150	\$50,543	2.50%	74	.217 \$314,21	0.0048	\$1,505.77	\$25,271.26	\$50,542.52	
87 Water main	Tank (2MG) West to Air Vac	LF	8	PVC	26	\$100	\$2,615 2017	100	96	96.00%	\$100	\$2,615	2.50%	96 1	.703 \$27,98	0.35 0.0026	\$72.12	\$3,922.77	\$7,845.54	
88 Water main	Tank (2MG) West to Air Vac	LF	8	PVC	2639	\$100	\$263,915 2017	100	96	96.00%	\$100	\$263,915	2.50%	96 1	.703 \$2,824,59	.12 0.0026	\$7,277.89	\$395,872.90	\$791,745.80	
90 Water main	PRV to Omega Rd to Tie In	LF	8	PVC	607	\$100	\$60,747 2017	100	96	96.00%	\$100	\$60,747	2.50%	96 1	.703 \$650,15	.24 0.0026	\$1,675.19	\$91,120.18	\$182,240.36	
130 Water main	PRV to Omega Rd to Tie In	LF	8	PVC	33	\$100	\$3,335 2017	100	96	96.00%	\$100	\$3,335	2.50%	96 1	.703 \$35,69	0.0026	\$91.96	\$5,002.32	\$10,004.64	
159 Water main	Air Vac following Lucas Creek to PRV (Lamborn/Stewart		8	PVC	4496	\$100	\$449,592 2017	100	96	96.00%	\$100	\$449,592	2.50%		.703 \$4,811,82		\$12,398.22	\$674,387.89	\$1,348,775.78	
161 Water main	Air Vac following Lucas Creek to PRV (Lamborn/Stewart	<i>,</i>	8	PVC	2736	\$100	\$273,634 2017	100	96	96.00%	\$100	\$273,634	2.50%	96 1	.703 \$2,928,61		\$7,545.91	\$410,451.58	\$820,903.16	
163 Water main	Air Vac following Lucas Creek to PRV (Lamborn/Stewart		8	PVC	39	\$100	\$3,893 2017	100	96	96.00%	\$100	\$3,893	2.50%		.703 \$41,66		\$107.35	\$5,839.37	\$11,678.75	
164 Water main	Air Vac following Lucas Creek to PRV (Lamborn/Stewart	,	8	PVC	120	\$100	\$11,951 2017	100	96	96.00%	\$100	\$11,951	2.50%		.703 \$127,91		\$329.58	\$17,926.98	\$35,853.95	
177 Water main	PRV to Omega Rd to Tie In	LF	8	PVC	659	\$100	\$65,869 2017	100	96	96.00%	\$100	\$65,869	2.50%		.703 \$704,97		\$1,816.45	\$98,803.71	\$197,607.42	
178 Water main	PRV to Omega Rd to Tie In	LF	8	PVC	128	\$100	\$12,786 2017	100	96	96.00%	\$100	\$12,786	2.50%		.703 \$136,84		\$352.60	\$19,179.10	\$38,358.20	
179 Water main	PRV to Omega Rd to Tie In	LF	8	PVC	471	\$100	\$47,051 2017	100	96	96.00%	\$100	\$47.051	2.50%		.703 \$503,56		\$1,297.50	\$70,575.99		
180 Water main	PRV to Omega Rd to Tie In	LF	8	PVC	595	\$100	\$59,489 2017	100	96	96.00%	\$100	\$59,489	2.50%		.703 \$636,68		\$1,640.50	\$89,233.32	\$178,466.64	
196 Water main	PRV to Omega Rd to Tie In	LF	8	PVC	263	\$100	\$26,311 2017	100	96	96.00%	\$100	\$26,311	2.50%		.703 \$281,59		\$725.57	\$39,466.49	\$78,932.97	
197 Water main	PRV to Omega Rd to Tie In	LF	8	PVC	57	\$100	\$5,659 2017	100	90 96	96.00%	\$100	\$5,659	2.50%		.703 \$281,59		\$156.04	\$39,400.49		
198 Water main	PRV to Omega Rd to Tie In	LF	8	PVC	57 44	\$100	\$5,659 2017	100	96 96	96.00%	\$100	\$5,659 \$4,433	2.50%		.703 \$60,56		\$156.04	\$6,467.62	\$18,975.63	
5 Water main	3rd Street	LF	8	PVC	342	\$100	\$34,240 2018	100	90	97.00%	\$100	\$34,240	2.50%		.970 \$375,61		\$122.25	\$51,359.94	,	
15 Water main	3rd Street	LF	8	PVC	342	\$100	\$29,955 2018	100	97	97.00%	\$100	\$29,955	2.50%		.970 \$328,60		\$823.98	\$44.931.92	\$89.863.84	
22 Water main	3rd Street	LF		PVC	311	\$100			97 97	97.00%	\$100	\$29,955 \$31,118		0 1	.970 \$328,80		\$855.98	\$46,676.95		
			8					100					2.50%							
29 Water main	3rd Street	LF	8	PVC	293	\$100	\$29,259 2018	100	97	97.00%	\$100	\$29,259	2.50%		.970 \$320,98		\$804.85	\$43,889.19	\$87,778.39	
31 Water main	3rd Street	LF	8	PVC	335	\$100	\$33,502 2018	100	97	97.00%	\$100	\$33,502	2.50%		.970 \$367,52		\$921.55	\$50,252.70	\$100,505.40	
36 Water main	3rd Street	LF	8	PVC	325	\$100	\$32,535 2018	100	97	97.00%	\$100	\$32,535	2.50%		.970 \$356,91		\$894.96	\$48,802.98	\$97,605.96	
38 Water main	3rd Street	LF	8	PVC	346	\$100	\$34,646 2018	100	97	97.00%	\$100	\$34,646	2.50%		.970 \$380,07		\$953.03	\$51,969.34	\$103,938.68	
41 Water main	3rd Street	LF	8	PVC	331	\$100	\$33,138 2018	100	97	97.00%	\$100	\$33,138	2.50%		.970 \$363,52		\$911.53	\$49,706.49	\$99,412.99	
49 Water main	3rd Street	LF	8	PVC	297	\$100	\$29,718 2018	100	97	97.00%	\$100	\$29,718	2.50%		.970 \$326,01		\$817.47	\$44,577.19		
50 Water main	3rd Street	LF	8	PVC	295	\$100	\$29,498 2018	100	97	97.00%	\$100	\$29,498	2.50%	97 1	.970 \$323,60	0.0025	\$811.42	\$44,247.13	\$88,494.26	
64 Water main	3rd Street	LF	8	PVC	297	\$100	\$29,716 2018	100	97	97.00%	\$100	\$29,716	2.50%	97 1	.970 \$325,99	0.0025	\$817.43	\$44,574.73	\$89,149.45	
68 Water main	3rd Street	LF	8	PVC	189	\$100	\$18,940 2018	100	97	97.00%	\$100	\$18,940	2.50%	97 1	.970 \$207,77	0.0025	\$520.98	\$28,409.48	\$56,818.97	
72 Water main	3rd Street	LF	8	PVC	736	\$100	\$73,574 2018	100	97	97.00%	\$100	\$73,574	2.50%	97 1	.970 \$807,12	.69 0.0025	\$2,023.84	\$110,361.34	\$220,722.67	
73 Water main	3rd/Minnesota to Vista/Minnesota	LF	8	PVC	565	\$100	\$56,471 2018	100	97	97.00%	\$100	\$56,471	2.50%	97 1	.970 \$619,50	.33 0.0025	\$1,553.38	\$84,706.99	\$169,413.98	
83 Water main	3rd Street	LF	8	PVC	587	\$100	\$58,694 2018	100	97	97.00%	\$100	\$58,694	2.50%	97 1	.970 \$643,88	0.0025	\$1,614.51	\$88,040.37	\$176,080.75	
92 Water main	3rd Street	LF	8	PVC	24	\$100	\$2,407 2018	100	97	97.00%	\$100	\$2,407	2.50%	97 1	.970 \$26,40	.09 0.0025	\$66.20	\$3,609.92	\$7,219.85	
116 Water main	3rd Street	LF	8	PVC	21	\$100	\$2,055 2018	100	97	97.00%	\$100	\$2,055	2.50%	97 1	.970 \$22,53	0.80 0.0025	\$56.52	\$3,081.96	\$6,163.91	
117 Water main	3rd Street	LF	8	PVC	27	\$100	\$2,733 2018	100	97	97.00%	\$100	\$2,733	2.50%	97 1	.970 \$29,97	0.0025	\$75.16	\$4,098.78	\$8,197.57	
118 Water main	3rd Street	LF	8	PVC	43	\$100	\$4,338 2018	100	97	97.00%	\$100	\$4,338	2.50%	97 1	.970 \$47,58	0.0025	\$119.31	\$6,506.30	\$13,012.60	
119 Water main	3rd Street	LF	8	PVC	24	\$100	\$2,425 2018	100	97	97.00%	\$100	\$2,425	2.50%		.970 \$26,60		\$66.72	\$3,638.24		
120 Water main	3rd Street	LF	8	PVC	27	\$100	\$2,730 2018	100	97	97.00%	\$100	\$2,730	2.50%	÷	.970 \$29,94		\$75.10	\$4,095.13		
121 Water main	3rd Street	LF	8	PVC	14	\$100	\$1,402 2018	100	97	97.00%	\$100	\$1,402	2.50%		.970 \$15,38		\$38.58	\$2,103.58		
125 Water main	3rd Street	LF	8	PVC	37	\$100	\$3,738 2018	100	97	97.00%	\$100	\$3,738	2.50%		.970 \$41,00		\$102.81	\$5,606.54		
128 Water main	3rd Street	LF	8	PVC	30	\$100	\$2,986 2018	100	97	97.00%	\$100	\$2,986	2.50%		.970 \$32,75		\$82.14	\$4,479.28		
228 Water main	3rd Street	LF	8	PVC	189	\$100	\$18,883 2018	100	97	97.00%	\$100	\$18,883	2.50%		.970 \$207,15		\$519.43	\$28,324.70		
91 Water main	O Rd to PRV	LF		SP	247	\$100 \$75	\$18,508 1983	50	97 12	24.00%	\$100	\$55,525	2.50%		.345 \$74,67		\$5,413.02	\$28,324.70		
131 Water main	O Rd to PRV	LF		SP	247	\$75	\$324 1983	50	12	24.00%	\$150	\$972	2.50%		.345 \$74,87		\$5,413.02	\$485.77		
131 Water main 158 Water main	PRV (Lamborn/Stewart) to O Rd	LF		SP	4351	\$75	\$324 1983	50	12	24.00%	\$150	\$972	2.50%		.345 \$1,30		\$95,427.92	\$485.77 \$489,438.55	\$971.55	
158 Water main 165 Water main	O Rd to PRV	LF		SP	1288	\$75	\$96,601 1983	50	12	24.00%	\$150	\$978,877 \$289,803	2.50%		.345 \$1,316,48		\$95,427.92	\$489,438.55 \$144,901.27		
165 Water main 168 Water main		LF		SP	981	\$75	\$96,601 1983	50	12	24.00%	\$150		2.50%		.345 \$389,75 .345 \$296,77		\$28,252.02	\$144,901.27 \$110,336.15		
168 Water main 169 Water main	O Rd to PRV O Rd to PRV	LF		SP	981 399	\$75	\$73,557 1983 \$29.908 1983	50 50	12 12	24.00%		\$220,672 \$89,725	2.50%		.345 \$296,77 .345 \$120,67		\$21,512.71	\$110,336.15		
	O Rd to PRV O Rd to PRV				399 544			50 50			\$150									
170 Water main	O Rd to PRV O Rd to PRV	LF LF		SP SP	384	\$75	\$40,793 1983	50 50	12 12	24.00%	\$150	\$122,378	2.50%		.345 \$164,58		\$11,930.25	\$61,188.86		
171 Water main						\$75 \$50	\$28,822 1983			24.00%	\$150	\$86,466	2.50%		.345 \$116,28		\$8,429.35	\$43,233.16		
34 Water main	Onarga Ave 1st to 2nd	LF	10	DIP	389	\$50	\$19,461 1980	100	59	59.00%	\$150	\$58,384	2.50%		.292 \$250,61		\$1,902.92	\$29,192.06		
93 Water main	Onarga Ave 1st to 2nd	LF	10	DIP	85	\$50	\$4,271 1980	100	59	59.00%	\$150	\$12,814	2.50%		.292 \$55,00		\$417.66	\$6,407.12		
185 Water main	1st Street	LF	10	DIP	368	\$50	\$18,405 1980	100	59	59.00%	\$150	\$55,214	2.50%		.292 \$237,00		\$1,799.60	\$27,607.08		
187 Water main	1st Street	LF	10	DIP	409	\$50	\$20,467 1980	100	59	59.00%	\$150	\$61,402	2.50%		.292 \$263,56		\$2,001.28	\$30,701.07		
189 Water main	1st Street	LF	10	DIP	308	\$50	\$15,397 1980	100	59	59.00%	\$150	\$46,191	2.50%		.292 \$198,27		\$1,505.49	\$23,095.28		
188 Water main	1st Street/Onarga Ave to Lamborn Mesa Rd to PRV	LF	10	DIP	1275	\$75	\$95,652 1985	100	64	64.00%	\$150	\$286,957	2.50%		.857 \$1,393,61		\$9,034.11	\$143,478.28		
200 Water main	1st Street to PRV	LF	12	HDPE	652	\$100	\$65,233 2005	100	84	84.00%	\$100	\$130,467	2.50%		.958 \$1,038,25		\$3,730.43	\$97,849.93		
21 Water main	North Fork Ave 2nd to 3rd	LF	12	PVC	554	\$75	\$41,519 1985	100	64	64.00%	\$150	\$124,557	2.50%		.857 \$604,91		\$3,921.35	\$62,278.35		
46 Water main	North Fork Ave 1st to 2nd	LF	12	PVC	442	\$75	\$33,115 1985	100	64	64.00%	\$150	\$99,346	2.50%		.857 \$482,47		\$3,127.65	\$49,672.86		
Water Main Valves		EA	0	0		\$1,000	\$156,000 1987	35	1	2.86%	\$3,000	\$468,000	2.50%	1	.025 \$479,70	1.0000	\$479,700.00	\$156,000.00		
Fire Hydrants		EA	0	0	90	\$2,500	\$225,000 1987	50	16	32.00%	\$7,500	\$675,000	2.50%	16	.485 \$1,002,04	.29 0.0516	\$51,704.32	\$225,000.00	\$450,000.00	
Subtotal							\$9,324,693								\$114,372,)44	\$2,116,976	\$13,796,540	\$27,593,080	

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Water Storage																					
	2 MG Tank (Lamborn)	GAL	2,000,000 Welded Steel	1.56	\$3,120,000	\$4,867,200	1983	75	37	49.33%	\$9,360,000	\$7,300,800	2.50%	37	2.493	\$18,203,440.18	0.0167	\$304,741.96	\$2,433,600.00	\$4,867,200.00	
	2 MG exterior coating	GAL	2,000,000	0.22	\$440,000	\$96,800	2005	25	9	36.00%	\$880,000	\$116,160	2.50%	9	1.249	\$145,067.92	0.1005	\$14,573.07	\$67,760.00	\$145,200.00	
	2 MG intertior coating	GAL	2,000,000	0.62	\$1,240,000	\$768,800	2005	25	9	36.00%	\$2,480,000	\$922,560	2.50%	9	1.249	\$1,152,151.02	0.1005	\$115,741.51	\$538,160.00	\$1,153,200.00	
	1 MG tank (Clock)	GAL	1,000,000 Concrete	1.56	\$550,000	\$858,000	2015	75	69	92.00%	\$1,100,000	\$1,029,600	2.50%	69	5.495	\$5,657,378.63	0.0056	\$31,466.70	\$257,400.00	\$600,600.00	
	1 MG exterior coating	GAL	1,000,000	0.22	\$550,000	\$121,000	2016	25	20	80.00%	\$1,100,000	\$145,200	2.50%	20	1.639	\$237,927.11	0.0391	\$9,314.16	\$84,700.00	\$181,500.00	
	1 MG interior coating	GAL	1,000,000	0.62	\$550,000	\$341,000	2019	25	23	92.00%	\$550,000	\$341,000	2.50%	23	1.765	\$601,732.24	0.0327	\$19,674.46	\$170,500.00	\$238,700.00	
	Subtotal					\$7,052,800						\$9,855,320				\$25,997,697		\$495,512	\$3,552,120	\$7,186,400	
Water Treatment																					
	Lamborn Mesa WTP	LS		1	\$2,000,000	\$2,000,000	2015	50	44	88.00%	\$4,000,000	\$3,000,000	2.50%	44	2.964	\$8,891,424.23	0.0127	\$113,191.10			
	Clock WTP	LS		1	\$1,300,000	\$1,300,000	2010	50	39	78.00%	\$2,600,000	\$1,560,000	2.50%	39	2.620	\$4,086,536.18	0.0154	\$63,080.40			
	Subtotal					\$3,300,000						\$4,560,000				\$12,977,960		\$176,272	\$0	\$0	
	Total					\$19,677,493										\$153,347,701		\$2,788,759	\$17,348,660	\$34,779,480	

Appendix C

Wastewater System Spreadsheet (Assessment)

Wastewater System		General			_							Replacement		_						Popair		
Current Year	2021											Replacement								Repair		
					I	Original	Original Total	Installed	Evenested	Remaining	% of life	Replacement	Banlasson		Remaining	Future	Futur-	Appuel Future	Annual Decement			
GIS Object ID	Asset	Location/Notes	Unit Diam	eter Material	Quantity	Original Unit Cost	Cost	Date	Expected Useful Life	Remaining Useful life	% of life remaining	Unit Cost	Replacement Total Cost	Inflation	Useful Life Corrected	Value Factor	Future Replacement Cost	Annual Future Value Factor	Annual Payment Future Value	Minor Repair Cost	Major Repair Cost	Maintenance & Repair Notes
					Act or Est	Act or Est	Calculated	Act or Est	Tab A	Calculated	Calculated	Tab C	Tab C	Estimated	Calculated	Calculated	Calculated	Calculated	Calculated	Tab C	Tab C	
Wastewater Collection	on																					
	63 Gravity sewer main	Box Elder Trailer Park (Blue Zoning) to Grand Ave	ELF 8	PVC	446	\$50	\$22,300	1980	100	59	59.00%	\$150	\$66,901	2.50%	59	4.292	\$287,171	0.0076	\$2,180.51	\$33,451	\$66,901	
1	111 Gravity sewer main	Box Elder Trailer Park (Blue Zoning) to Grand Ave	ELF 8	PVC	302	\$50	\$15,082	1980	100	59	59.00%	\$150	\$45,245	2.50%	59	4.292	\$194,211	0.0076	\$1,474.66	\$22,622	\$45,245	
	112 Gravity sewer main	Box Elder Trailer Park (Blue Zoning) to Grand Ave		-	746			1980	100	59	59.00%	\$150		2.50%	59	4.292	\$480,095	0.0076	\$3,645.39	\$55,923	\$111,846	
	142 Gravity sewer main	Rio Grande between 3rd/4th	LF 8		248			1980	100	59	59.00%	\$150		2.50%	59	4.292	\$159,444	0.0076	\$1,210.67		\$37,145	
	143 Gravity sewer main 148 Gravity sewer main	Rio Grande between 3rd/4th Apple Valley Subdivision	LF 8	PVC PVC	348 242			1980 1980	100 100	59 59	59.00% 59.00%	\$150 \$150		2.50% 2.50%	59 59	4.292 4.292	\$223,777 \$155,601	0.0076	\$1,699.16 \$1,181.49	\$26,066 \$18,125	\$52,132 \$36,250	
	149 Gravity sewer main	Apple Valley Subdivision	LF 8		242			1980	100	59	59.00%	\$150		2.50%	59 59	4.292	\$155,601	0.0076	\$1,161.49	\$18,641	\$36,250	
	150 Gravity sewer main	Apple Valley Subdivision	LF 8	PVC	404			1980	100	59	59.00%	\$150		2.50%	59	4.292	\$260,294	0.0076	\$1,976.43	\$30,320	\$60,640	
	151 Gravity sewer main	Apple Valley Subdivision	LF 8		696			1980	100	59	59.00%	\$150		2.50%	59	4.292	\$448,175	0.0076	\$3,403.02		\$104,409	
1	152 Gravity sewer main	Apple Valley Subdivision	LF 8	PVC	324	\$50	\$16,215	1980	100	59	59.00%	\$150	\$48,645	2.50%	59	4.292	\$208,807	0.0076	\$1,585.48	\$24,322	\$48,645	
	158 Gravity sewer main	Apple Valley Subdivision	LF 8	PVC	431			1980	100	59	59.00%			2.50%	59	4.292	\$277,778		\$2,109.18		\$64,713	
	51 Gravity sewer main	2nd Street East and West of Poplar	LF 8		104			1985	100	64	64.00%			2.50%	64	4.857	\$113,243	0.0065	\$734.09		\$23,318	
	80 Gravity sewer main 144 Gravity sewer main	2nd Street East and West of Poplar	LF 8		90			1985 1985	100	64 64	64.00% 64.00%			2.50%	64 64	4.857 4.857	\$98,353 \$19,176	0.0065	\$637.57 \$124.31	\$10,126 \$1,974	\$20,252 \$3,949	
	144 Gravity sewer main 145 Gravity sewer main	2nd Street East and West of Poplar 2nd Street East and West of Poplar	LF 8 LF 8		332	\$75 \$75		1985	100 100	64	64.00%			2.50% 2.50%	64	4.857	\$19,176	0.0065	\$124.31 \$2.354.48		\$3,949 \$74,787	
	1 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8		397			1985	100	69	69.00%			2.50%	69	5.495	\$303,200	0.0056	\$2,730.36	\$44,669	\$89,338	
	2 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8	PVC	254			1990	100	69	69.00%			2.50%	69	5.495	\$313,696		\$1,744.80		\$57,090	
	3 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8	PVC	928			1990	100	69	69.00%			2.50%	69	5.495	\$1,147,001	0.0056	\$6,379.69	\$104,373	\$208,745	
	4 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8	-	398			1990	100	69	69.00%			2.50%	69	5.495	\$492,288	0.0056	\$2,738.14		\$89,593	
	5 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8		694			1990	100	69	69.00%			2.50%	69	5.495	\$858,003	0.0056	\$4,772.27		\$156,150	
	6 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8		478			1990	100	69	69.00%	\$150		2.50%	69	5.495	\$591,043	0.0056	\$3,287.42		\$107,565	
	7 Gravity sewer main 8 Gravity sewer main	Hidden Valley to Pink Zoning Parcel Hidden Valley to Pink Zoning Parcel	LF 8 LF 8		64 808			1990 1990	100 100	69 69	69.00% 69.00%			2.50% 2.50%	69 69	5.495 5.495	\$78,620 \$998,645	0.0056	\$437.29 \$5.554.53		\$14,308 \$181,746	
	9 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8		449			1990	100	69	69.00%			2.50%	69	5.495	\$555,459	0.0056	\$3.089.50		\$101,740	
	10 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8		797			1990	100	69	69.00%			2.50%	69	5.495	\$985,878	0.0056	\$5,483.52		\$179,422	
	11 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8	PVC	750	\$75	\$56,223	1990	100	69	69.00%	\$150	\$168,669	2.50%	69	5.495	\$926,793	0.0056	\$5,154.88	\$84,335	\$168,669	
	12 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8	-	163			1990	100	69	69.00%	\$150		2.50%	69	5.495	\$201,337	0.0056	\$1,119.85		\$36,642	
	13 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8		779			1990	100	69	69.00%	\$150		2.50%	69	5.495	\$962,538	0.0056	\$5,353.70	\$87,587	\$175,175	
	14 Gravity sewer main 15 Gravity sewer main	Hidden Valley to Pink Zoning Parcel Hidden Valley to Pink Zoning Parcel	LF 8		186			1990 1990	100	69 69	69.00% 69.00%			2.50% 2.50%	69 69	5.495 5.495	\$230,473 \$126,474		\$1,281.90 \$703.46		\$41,944 \$23,017	
	16 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8		102			1990	100	69	69.00%			2.50%	69	5.495	\$126,474	0.0056	\$703.46	\$11,509	\$23,017 \$28,151	
	64 Gravity sewer main	High School to CDOT	LF 8		567			1990	100	69	69.00%	\$150		2.50%	69	5.495	\$701,450	0.0056	\$3,901.51	\$63,829	\$127,659	
	115 Gravity sewer main	Hidden Valley to Pink Zoning Parcel	LF 8		817	\$75		1990	100	69	69.00%	\$150		2.50%	69	5.495	\$1,009,754		\$5,616.32		\$183,768	
1	154 Gravity sewer main	High School to CDOT	LF 8	PVC	384	\$75	\$28,778	1990	100	69	69.00%	\$150	\$86,335	2.50%	69	5.495	\$474,390	0.0056	\$2,638.59	\$43,168	\$86,335	
	155 Gravity sewer main	High School to CDOT	LF 8	PVC	448			1990	100	69	69.00%			2.50%	69	5.495	\$554,247		\$3,082.76		\$100,869	
	156 Gravity sewer main	High School to CDOT	LF 8	-	341	\$75		1990	100	69	69.00%			2.50%	69	5.495	\$421,735	0.0056	\$2,345.72		\$76,753	
	157 Gravity sewer main	High School to CDOT	LF 8		684			1990	100	69	69.00%			2.50%	69	5.495	\$845,431	0.0056	\$4,702.34		\$153,862	
	17 Gravity sewer main 18 Gravity sewer main	Meadowbrook Subdivision Meadowbrook Subdivision	LF 8 LF 8	PVC PVC	87			1998 1998	100	77	77.00%	\$150 \$150		2.50% 2.50%	77 77	6.695 6.695	\$86,980 \$226,008	0.0044	\$381.84 \$992.17	\$9,744 \$25,319	\$19,488 \$50,638	
	19 Gravity sewer main	Meadowbrook Subdivision	LF 8		20			1998	100	77	77.00%	\$150		2.50%	77	6.695	\$20,539	0.0044	\$90.16	\$2.301	\$4,602	
	113 Gravity sewer main	Meadowbrook Subdivision	LF 8	PVC	98			1998	100	77	77.00%	\$150		2.50%	77	6.695	\$98,215	0.0044	\$431.16	\$11,003	\$22,005	
1	114 Gravity sewer main	Meadowbrook Subdivision	LF 8	PVC	310	\$75	\$23,232	1998	100	77	77.00%	\$150	\$46,463	2.50%	77	6.695	\$311,062	0.0044	\$1,365.55	\$34,847	\$69,695	
	120 Gravity sewer main	Meadowbrook Subdivision	LF 8		179			1998	100	77	77.00%	\$150		2.50%	77	6.695	\$179,826	0.0044	\$789.43		\$40,291	
	121 Gravity sewer main	Meadowbrook Subdivision	LF 8	PVC	73	\$75		1998	100	77	77.00%	\$150		2.50%	77	6.695	\$73,564	0.0044	\$322.94	\$8,241	\$16,482	
	122 Gravity sewer main 138 Gravity sewer main	Meadowbrook Subdivision	LF 8 LF 8		312			1998	100	77	77.00%			2.50%	77 77	6.695	\$313,283	0.0044	\$1,375.30		\$70,193	
	139 Gravity sewer main	Box Elder/North Fork/School Area Box Elder/North Fork/School Area	LF 8 LF 8	PVC PVC	225	\$75 \$75		1998 1998	100	77	77.00% 77.00%			2.50% 2.50%	77	6.695 6.695	\$225,931 \$158,889	0.0044	\$991.83 \$697.52		\$50,621 \$35,600	
	140 Gravity sewer main	Box Elder/North Fork/School Area	LF 8		274				100	77	77.00%					6.695	\$138,889		\$1,208.16			
	87 Gravity sewer main	Clark Ave between 2nd/3rd	LF 8		103				100	99	99.00%			2.50%		11.526	\$118,260		\$280.89		\$30,782	
	88 Gravity sewer main	Clark Ave between 2nd/3rd	LF 8	-	235				100	99	99.00%			2.50%		11.526	\$271,148		\$644.02		\$70,577	
	89 Gravity sewer main	Clark Ave between 2nd/3rd	LF 8	-	178				100	99	99.00%					11.526	\$204,614		\$485.99		\$53,259	
	90 Gravity sewer main	Clark Ave between 2nd/3rd	LF 8		109	\$100			100	99	99.00%				99	11.526	\$125,308					
	37 Gravity sewer main 38 Gravity sewer main	Alley between Main/Grand between 1st/3rd Alley between Main/Grand between 1st/3rd	LF 8 LF 8	VCP VCP	275	\$50 \$50	\$13,758 \$9,080		50	-1	-2.00%				1	1.025	\$42,305 \$27,920	1.0000 1.0000			\$41,273 \$27,239	
	39 Gravity sewer main	Alley between Main/Grand between 1st/3rd	LF 8	VCP VCP	242	\$50	\$9,080		50	-1	-2.00%					1.025	\$37,244					
	40 Gravity sewer main	Alley between Main/Grand between 1st/3rd	LF 8	VCP	386	\$50	\$19,312		50	-1	-2.00%				1	1.025	\$59,385	1.0000				
	44 Gravity sewer main	Alley between Niagara/Main between 1st/3rd	LF 8	VCP	784	\$50	\$39,194		50	-1	-2.00%			2.50%		1.025	\$120,521					
	45 Gravity sewer main	Alley between Niagara/Main between 1st/3rd	LF 8	VCP	536	\$50	\$26,822	1970	50	-1	-2.00%	\$150	\$80,466	2.50%	1	1.025	\$82,478	1.0000		\$40,233	\$80,466	
	47 Gravity sewer main	Alley between Grand/Onarga between 1st/3rd	LF 8	VCP	101	\$50	\$5,040		50	-1	-2.00%				1	1.025	\$15,499					
	48 Gravity sewer main	Alley between Grand/Onarga between 1st/3rd	LF 8	VCP	345	\$50	\$17,256		50	-1	-2.00%					1.025	\$53,062					
	49 Gravity sewer main	Alley between Grand/Onarga between 1st/3rd Alley between Onarga/Poplar between 1st/3rd		VCP VCP	336	\$50 \$50	\$16,802		50	-1	-2.00%					1.025	\$51,667					
	50 Gravity sewer main 52 Gravity sewer main	Alley between Onarga/Poplar between 1st/3rd Alley between Onarga/Poplar between 1st/3rd	LF 8	VCP VCP	225	\$50	\$11,254 \$14,853		50	-1	-2.00% -2.00%					1.025 1.025	\$34,605 \$45,672					
	53 Gravity sewer main	Alley between Onarga/Poplar between 1st/3rd	LF 8	VCP	267	\$50	\$13,337		50	-1	-2.00%					1.025	\$41,010					
	55 Gravity sewer main	Alley between Poplar/Box Elder between 1st/3rd	LF 8	VCP	322	\$50	\$16,088		50	-1	-2.00%		\$48,265		1	1.025	\$49,472				\$48,265	
	56 Gravity sewer main	Alley between Poplar/Box Elder between 1st/3rd	LF 8	VCP	243	\$50	\$12,139		50	-1	-2.00%				1	1.025	\$37,327					
	60 Gravity sewer main	Alley between North Fork/Orchard between 1st/3r		VCP	254	\$50	\$12,680		50	-1	-2.00%				1	1.025	\$38,990					
	75 Gravity sewer main	Alley between North Fork/Orchard between 1st/3r	LF 8	VCP	402	\$50	\$20,105		50	-1	-2.00%				1	1.025	\$61,824					
	76 Gravity sewer main	Alley between Orchard/Oak between 1st/3rd		VCP	457	\$50	\$22,870		50	-1	-2.00%					1.025	\$70,325					
	77 Gravity sewer main 78 Gravity sewer main	Alley between Oak/Delta between 1st/3rd Alley between Oak/Delta between 1st/3rd		VCP	200	\$50	\$10,008 \$890		50	-1	-2.00%		\$30,023 \$2,670		1	1.025 1.025	\$30,774					
	79 Gravity sewer main	Alley between Oak/Delta between 1st/3rd	LF 8	VCP	590	\$50		1970	50	-1	-2.00%		\$2,670		1	1.025	\$2,736 \$90,685					
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	81 Gravity sewer main	Alley between Delta/Rio Grande between 1st/3rd	LF	8	VCP	71	\$50	\$3,544	1970	50	-1	-2.00%	\$150	\$10,631	2.50%	1	1.025	\$10,896	1.0000
	82 Gravity sewer main	Alley between Rio Grande/Colorado between 1st/	LF	8	VCP	303	\$50	\$15,146	1970	50	-1	-2.00%	\$150	\$45,437	2.50%	1	1.025	\$46,573	1.0000
	83 Gravity sewer main	Alley between Rio Grande/Colorado between 1st/	LF	8	VCP	303	\$50	\$15,147	1970	50	-1	-2.00%	\$150	\$45,441	2.50%	1	1.025	\$46,577	1.0000
	84 Gravity sewer main	Alley between Colorado/Clark between 1st/3rd	LF	8	VCP	298	\$50	\$14,913	1970	50	-1	-2.00%	\$150	\$44,740	2.50%	1	1.025	\$45,859	1.0000
	85 Gravity sewer main	Alley between Colorado/Clark between 1st/3rd	LF	8	VCP	407	\$50		1970	50	-1	-2.00%	\$150	\$61,080	2.50%	1	1.025	\$62,607	1.0000
	86 Gravity sewer main	Clark Ave (100 Block)	LF	8	VCP	246	\$50	\$12,321	1970	50	-1	-2.00%	\$150	\$36,962	2.50%	1	1.025	\$37,886	1.0000
	96 Gravity sewer main	Alley between Poplar/Box Elder between 3rd/4th	LF	8	VCP	262	\$50		1970	50	-1	-2.00%	\$150	\$39,250	2.50%	1	1.025	\$40,231	1.0000
	97 Gravity sewer main	Alley between Poplar/Box Elder between 3rd/4th	LE	8	VCP	265	\$50		1970	50	-1	-2.00%	\$150	\$39,814	2.50%	1	1.025	\$40,810	1.0000
	98 Gravity sewer main	Alley between North Fork/Orchard between 3rd/4t	LE.	8	VCP	492	\$50		1970	50	-1	-2.00%	\$150	\$73,728	2.50%		1.025	\$75,571	1.0000
	99 Gravity sewer main	Alley between Orchard/Oak between 3rd/4th	LE	8	VCP	519	\$50		1970	50	-1	-2.00%	\$150	\$77,809	2.50%	1	1.025	\$79,755	1.0000
1	100 Gravity sewer main	Alley between Oak/Delta between 3rd/4th	16	8	VCP	250	\$50		1970	50	1	-2.00%	\$150	\$37,489	2.50%		1.025	\$38,426	1.0000
	101 Gravity sewer main	Alley between Oak/Delta between 3rd/4th	1.5		VCP	242	\$50		1970	50	-1	-2.00%	\$150	\$36,373	2.50%		1.025	\$37,283	1.0000
									1970		-1							\$89,743	1.0000
	116 Gravity sewer main	Dorris Ave (100 Block)			VCP	584	\$50		1970	50	-	-2.00%	\$150	\$87,554	2.50%		1.025		
	117 Gravity sewer main	Alley between Minnesota/Lamborn between 2nd/3	LF	8	VCP	455	\$50			50	-1	-2.00%	\$150	\$68,270	2.50%		1.025	\$69,977	1.0000
	118 Gravity sewer main	Lamborn Ave between 2nd/3rd		8	VCP	484	\$50		1970	50	- 1	-2.00%	\$150	\$72,674	2.50%		1.025	\$74,491	1.0000
	124 Gravity sewer main	Alley between Grand/Onarga between 3rd/4th		8	VCP	525	\$50		1970	50	-1	-2.00%	\$150	\$78,680	2.50%		1.025	\$80,647	1.0000
	125 Gravity sewer main	Alley between Main/Grand between 3rd/4th	LF	8	VCP	503	\$50		1970	50	-1	-2.00%	\$150	\$75,471	2.50%		1.025	\$77,358	1.0000
	126 Gravity sewer main	Alley between Main/Grand between 3rd/4th	LF	8	VCP	16	\$50		1970	50	-1	-2.00%	\$150	\$2,470	2.50%		1.025	\$2,532	1.0000
	127 Gravity sewer main	Alley between Grand/Onarga between 3rd/4th	LF	8	VCP	13	\$50		1970	50	-1	-2.00%	\$150	\$2,022	2.50%		1.025	\$2,072	1.0000
	128 Gravity sewer main	Alley between Onarga/Poplar between 3rd/4th	LF	8	VCP	223	\$50		1970	50	-1	-2.00%	\$150	\$33,483	2.50%		1.025	\$34,320	1.0000
	129 Gravity sewer main	Alley between Onarga/Poplar between 3rd/4th	LF	8	VCP	296	\$50		1970	50	-1	-2.00%	\$150	\$44,433	2.50%		1.025	\$45,544	1.0000
	130 Gravity sewer main	Alley between Onarga/Poplar between 3rd/4th	LF	8	VCP	17	\$50	\$860	1970	50	-1	-2.00%	\$150	\$2,580	2.50%		1.025	\$2,645	1.0000
1	131 Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	323	\$50		1975	50	4	8.00%	\$150	\$48,522	2.50%	4	1.104	\$53,559	0.2408
	132 Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	313	\$50		1975	50	4	8.00%	\$150	\$46,905	2.50%	4	1.104	\$51,775	0.2408
	133 Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	222	\$50	\$11,118	1975	50	4	8.00%	\$150	\$33,355	2.50%	4	1.104	\$36,818	0.2408
	134 Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	152	\$50	\$7,601	1975	50	4	8.00%	\$150	\$22,802	2.50%	4	1.104	\$25,170	0.2408
1	135 Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	392	\$50	\$19,620	1975	50	4	8.00%	\$150	\$58,860	2.50%	4	1.104	\$64,971	0.2408
1	136 Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	214	\$50	\$10,676	1975	50	4	8.00%	\$150	\$32,028	2.50%	4	1.104	\$35,353	0.2408
1	137 Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	390	\$50	\$19,523	1975	50	4	8.00%	\$150	\$58,569	2.50%	4	1.104	\$64,649	0.2408
	141 Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	766	\$50		1975	50	4	8.00%	\$150	\$114,844	2.50%	4	1.104	\$126,766	0.2408
1	159 Gravity sewer main	6th/7th/Delta/Oak/Orchard	LF	8	VCP	546	\$50	\$27,297	1975	50	4	8.00%	\$150	\$81,890	2.50%	4	1.104	\$90,392	0.2408
	30 Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	270	\$50	\$13,476	1980	100	59	59.00%	\$150	\$40,428	2.50%	59	4.292	\$173,535	0.0076
	31 Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	384	\$50	\$19,208	1980	100	59	59.00%	\$150	\$57,625	2.50%	59	4.292	\$247,355	0.0076
	32 Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	221	\$50	\$11,045	1980	100	59	59.00%	\$150	\$33,135	2.50%	59	4.292	\$142,230	0.0076
	33 Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	176	\$50	\$8,797	1980	100	59	59.00%	\$150	\$26,391	2.50%	59	4.292	\$113,284	0.0076
	34 Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	46	\$50	\$2,283	1980	100	59	59.00%	\$150	\$6,848	2.50%	59	4.292	\$29,397	0.0076
	35 Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	216	\$50	\$10,805	1980	100	59	59.00%	\$150	\$32,415	2.50%	59	4.292	\$139,141	0.0076
	36 Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	312	\$50	\$15,621	1980	100	59	59.00%	\$150	\$46,862	2.50%	59	4.292	\$139,141	0.0076
	123 Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	157	\$50	\$7,869	1980	100	59	59.00%	\$150	\$23,608	2.50%	59	4.292	\$101,335	0.0076
	146 Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	225	\$50	\$1,009	1980	100	59	59.00%	\$150	\$23,008	2.50%	59	4.292	\$101,333	0.0076
			LF	10	PVC	299	\$50		1980	100	59	59.00%	\$150		2.50%	59			0.0076
	147 Gravity sewer main	Minnesota Ave thru Park	LF	10	PVC	399	\$50 \$50	\$14,936 \$19,971	1980		59	59.00%	\$150	\$44,809 \$59,912	2.50%	59	4.292	\$192,341	0.0076
	153 Gravity sewer main	Box Elder Dr to Park								100								\$257,171	
	20 Gravity sewer main	Meadowbrook Subdivision to Vista Drive	LF	10	PVC	187	\$75	\$14,043	1990	100	69	69.00%	\$150	\$42,129	2.50%	69	5.495	\$231,489	0.0056
	21 Gravity sewer main	Meadowbrook Subdivision to Vista Drive	LF	10	PVC	341	\$75	\$25,543	1990	100	69	69.00%	\$150	\$76,630	2.50%	69	5.495	\$421,062	0.0056
	22 Gravity sewer main	Meadowbrook Subdivision to Vista Drive	LF	10	PVC	152	\$75	\$11,407	1990	100	69	69.00%	\$150	\$34,221	2.50%	69	5.495	\$188,038	0.0056
	23 Gravity sewer main	Meadowbrook Subdivision to Vista Drive	LF	10	PVC	21	\$75	\$1,592	1990	100	69	69.00%	\$150	\$4,776	2.50%	69	5.495	\$26,241	0.0056
	24 Gravity sewer main	Meadowbrook Subdivision to Vista Drive	LF	10	PVC	145	\$75	\$10,874	1990	100	69	69.00%	\$150	\$32,623	2.50%	69	5.495	\$179,255	0.0056
	25 Gravity sewer main	Vista Drvie to Minnesota Ave	LF	10	PVC	96	\$75	\$7,230	1990	100	69	69.00%	\$150	\$21,690	2.50%	69	5.495	\$119,181	0.0056
	26 Gravity sewer main	Vista Drvie to Minnesota Ave	LF	10	PVC	482	\$75	\$36,131	1990	100	69	69.00%	\$150	\$108,392	2.50%	69	5.495	\$595,587	0.0056
	27 Gravity sewer main	Vista Drvie to Minnesota Ave	LF	10	PVC	72	\$75	\$5,382	1990	100	69	69.00%	\$150	\$16,146	2.50%	69	5.495	\$88,719	0.0056
	28 Gravity sewer main	Vista Drvie to Minnesota Ave	LF	10	PVC	303	\$75	\$22,691	1990	100	69	69.00%	\$150	\$68,074	2.50%	69	5.495	\$374,049	0.0056
	29 Gravity sewer main	Vista Drvie to Minnesota Ave	LF	10	PVC	11	\$75	\$858	1990	100	69	69.00%	\$150	\$2,574	2.50%	69	5.495	\$14,146	0.0056
	91 Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	378	\$75	\$28,325	1994	100	73	73.00%	\$150	\$84,974	2.50%	73	6.065	\$515,381	0.0049
	92 Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	315	\$75	\$23,605	1994	100	73	73.00%	\$150	\$70,815	2.50%	73	6.065	\$429,506	0.0049
	93 Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	327	\$75	\$24,514	1994	100	73	73.00%	\$150	\$73,542	2.50%	73	6.065	\$446,045	0.0049
	94 Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	156	\$75	\$11,731	1994	100	73	73.00%	\$150	\$35,193	2.50%	73	6.065	\$213,449	0.0049
	95 Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	499	\$75	\$37,398	1994	100	73	73.00%	\$150	\$112,193	2.50%	73	6.065	\$680,470	0.0049
	119 Gravity sewer main	3rd/Delta (East) to 3rd/Lamborn Ave	LF	10	PVC	158	\$75	\$11,839	1994	100	73	73.00%	\$150	\$35,518	2.50%	73	6.065	\$215,419	0.0049
	54 Gravity sewer main	3rd/Grand (East) to 3rd/Delta	LF	15	PVC	349	\$75	\$26,156	1995	100	74	74.00%	\$150	\$78,468	2.50%	74	6.217	\$487,820	0.0048
	57 Gravity sewer main	3rd/Grand (East) to 3rd/Delta	LF	15	PVC	326	\$75	\$24,418	1995	100	74	74.00%	\$150	\$73,255	2.50%	74	6.217	\$455,413	0.0048
	58 Gravity sewer main	3rd/Grand (East) to 3rd/Delta	LF	15	PVC	629	\$75	\$47,161	1995	100	74	74.00%	\$150	\$141,484	2.50%	74	6.217	\$879,579	0.0048
	59 Gravity sewer main	3rd/Grand (East) to 3rd/Delta	LF	15	PVC	32	\$75	\$2,413	1995	100	74	74.00%	\$150	\$7,240	2.50%	74	6.217	\$45,011	0.0048
	61 Gravity sewer main	3rd/Grand (East) to 3rd/Delta	LF	15	PVC	324	\$75	\$24,271	1995	100	74	74.00%	\$150	\$72,812	2.50%	74	6.217	\$452,658	0.0048
	62 Gravity sewer main	3rd/Grand (East) to 3rd/Delta	LF	15	PVC	329	\$75	\$24,645	1995	100	74	74.00%	\$150	\$73,934	2.50%	74	6.217	\$459,634	0.0048
	103 Gravity sewer main	Price Rd/Stahl Rd to Samuel Wade to WWTF	LF	15	PVC	329	\$100	\$24,645	2004	100	83	83.00%	\$150	\$68,872	2.50%	83	7.764	\$534,720	0.0048
	104 Gravity sewer main	Price Rd/Stahl Rd to Samuel Wade to WWTF	LF	15	PVC	322	\$100	\$32,224	2004	100	83	83.00%	\$100	\$64,448	2.50%	83	7.764	\$500,366	0.0037
	104 Gravity sewer main 105 Gravity sewer main		LF		PVC	5,698	\$100		2004	100	83	83.00%	\$100	\$64,448	2.50%		7.764	\$500,366	0.0037
		Price Rd/Stahl Rd to Samuel Wade to WWTF		15				\$569,812								83			
	106 Gravity sewer main	Price Rd/Stahl Rd to Samuel Wade to WWTF	LF	15	PVC	277	\$100	\$27,695	2004	100	83	83.00%	\$100	\$55,390	2.50%	83	7.764	\$430,041	0.0037
	107 Gravity sewer main	Price Rd/Stahl Rd to Samuel Wade to WWTF	LF	15	PVC	415	\$100	\$41,488	2004	100	83	83.00%	\$100	\$82,977	2.50%	83	7.764	\$644,226	0.0037
	108 Gravity sewer main	Price Rd/Stahl Rd to Samuel Wade to WWTF	LF	15	PVC	9	\$100	\$875	2004	100	83	83.00%	\$100	\$1,749	2.50%	83	7.764	\$13,583	0.0037
	109 Gravity sewer main	Price Rd/Stahl Rd to Samuel Wade to WWTF	LF	15	PVC	812	\$100	\$81,232	2004	100	83	83.00%	\$100	\$162,464	2.50%	83	7.764	\$1,261,358	0.0037
	41 Gravity sewer main	Samuel Wade/Niagara Ave (East) to Grand Ave	LF	15	PVC	349	\$100	\$34,912	2012	100	91	91.00%	\$100	\$69,825	2.50%	91	9.460	\$660,510	0.0030
	42 Gravity sewer main	Samuel Wade/Niagara Ave (East) to Grand Ave	LF	15	PVC	211	\$100	\$21,112	2012	100	91	91.00%	\$100	\$42,224	2.50%	91	9.460	\$399,425	0.0030
	43 Gravity sewer main	Samuel Wade/Niagara Ave (East) to Grand Ave	LF		PVC	173	\$100	\$17,341	2012	100	91	91.00%	\$100	\$34,681	2.50%	91	9.460	\$328,070	0.0030
	65 Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	190	\$50		1970	50	-1	-2.00%	\$150	\$28,435	2.50%	1	1.025	\$29,146	1.0000
	66 Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	203	\$50	\$10,164	1970	50	-1	-2.00%	\$150	\$30,492	2.50%	1	1.025	\$31,254	1.0000
	67 Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	366	\$50	\$18,323	1970	50	-1	-2.00%	\$150	\$54,970	2.50%	1	1.025	\$56,345	1.0000
	68 Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	403	\$50	\$20,130	1970	50	-1	-2.00%	\$150	\$60,391	2.50%	1	1.025	\$61,900	1.0000
		CDOT to Niagara Ave to Samuel Wade CDOT to Niagara Ave to Samuel Wade	LF LF	15 15	VCP VCP	403 196	\$50 \$50		1970 1970	50 50	-1 -1	-2.00% -2.00%		\$60,391 \$29,359	2.50% 2.50%	1	1.025 1.025		
	68 Gravity sewer main			15 15 15		403 196 350		\$9,786					\$150 \$150 \$150			1 1 1		\$61,900	1.0000 1.0000 1.0000

\$10,896.49	\$5,315	\$10,631	
\$46,573.43	\$22,719	\$45,437	
\$46,576.55	\$22,720	\$45,441	
\$45,858.90	\$22,370	\$44,740	
\$62,606.82	\$30,540	\$61,080	
\$37,886.41	\$18,481	\$36,962	
\$40,231.06	\$19,625	\$39,250	
\$40,809.75	\$19,907 \$36,864	\$39,814	
\$75,570.72		\$73,728	
\$79,754.61 \$38,425.94	\$38,905 \$18,744	\$77,809 \$37,489	
\$37,282.75	\$18,187	\$36,373	
\$89,742.87	\$43,777		Town Priority
\$69,977.20	\$34,135	\$68,270	ionii ioniy
\$74,491.27	\$36,337	\$72,674	
\$80,646.94	\$39,340	\$78,680	
\$77,357.93	\$37,736	\$75,471	
\$2,532.09	\$1,235	\$2,470	
\$2,072.39	\$1,011	\$2,022	
\$34,320.13	\$16,742	\$33,483	
\$45,543.60	\$22,216	\$44,433	
\$2,644.64	\$1,290	\$2,580	
\$12,898.00	\$24,261	\$48,522	
\$12,468.29	\$23,453	\$46,905	
\$8,866.33	\$16,677	\$33,355	
\$6,061.29	\$11,401	\$22,802	
\$15,646.09	\$29,430	\$58,860	
\$8,513.55	\$16,014	\$32,028	
\$15,568.58	\$29,284	\$58,569	
\$30,527.47	\$57,422	\$114,844 \$81,890	
\$21,767.94 \$1,317.66	\$40,945 \$20,214	\$40,428	
\$1,878.18	\$28,813	\$40,428	
\$1,079.96	\$16,567	\$33,135	
\$860.17	\$13,196	\$26,391	
\$223.21	\$3,424	\$6,848	
\$1,056.51	\$16,208	\$32,415	
\$1,527.37	\$23,431	\$46,862	
\$769.44	\$11,804	\$23,608	
\$1,101.56	\$16,899	\$33,797	
\$1,460.46	\$22,404	\$44,809	
\$1,952.72	\$29,956	\$59,912	
\$1,287.56	\$21,065	\$42,129	
\$2,341.97	\$38,315	\$76,630	
\$1,045.88	\$17,111	\$34,221	
\$145.95	\$2,388	\$4,776	
\$997.03	\$16,312	\$32,623	
\$662.89	\$10,845	\$21,690	
\$3,312.69	\$54,196	\$108,392	
\$493.46	\$8,073	\$16,146	
\$2,080.48 \$78.68	\$34,037	\$68,074	
\$78.66	\$1,287	\$2,574	
\$2,543.76	\$42,487	\$70,815	
\$2,201.53	\$36,771	\$73,542	
\$1,053.52	\$17,596	\$35,193	
\$3,358.58	\$56,097	\$112,193	
\$1,063.24	\$17,759	\$35,518	
\$2,337.74	\$39,234	\$78,468	
\$2,182.44	\$36,628	\$73,255	
\$4,215.14	\$70,742	\$141,484	
\$215.70	\$3,620	\$7,240	
\$2,169.24	\$36,406	\$72,812	
\$2,202.67	\$36,967	\$73,934	
\$1,976.37	\$51,654	\$103,309	
\$1,849.39	\$48,336	\$96,671	
\$32,702.72	\$854,717	\$1,709,435	
\$1,589.47	\$41,542	\$83,084	
\$2,381.11 \$50.20	\$62,233 \$1,312	\$124,465 \$2,624	
\$50.20 \$4,662.09	\$1,312	\$2,624	
\$4,662.09	\$121,848	\$243,696	
\$1,331.30	\$31,668	\$63,337	
\$969.52	\$26,011	\$52,022	
\$29,146.35	\$14,218	\$28,435	
\$31,254.50	\$15,246	\$30,492	
\$56,344.51	\$27,485	\$54,970	
\$61,900.43	\$30,195	\$60,391	
\$30,093.05	\$14,680	\$29,359	
\$53,783.98	\$26,236	\$52,472	

7	71 Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	660	\$50	\$32,996	1970	50	-1	-2.00%	\$150	\$98,988	2.50%	1	1.025	\$101,462	1.0000	\$101,462.37	\$49,494	\$98,988	
7	72 Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	73	\$50	\$3,654	1970	50	-1	-2.00%	\$150	\$10,961	2.50%	1	1.025	\$11,235	1.0000	\$11,235.14	\$5,481	\$10,961	
7	73 Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	61	\$50	\$3,038	1970	50	-1	-2.00%	\$150	\$9,114	2.50%	1	1.025	\$9,342	1.0000	\$9,342.04	\$4,557	\$9,114	
7	74 Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	272	\$50	\$13,623	1970	50	-1	-2.00%	\$150	\$40,869	2.50%	1	1.025	\$41,890	1.0000	\$41,890.27	\$20,434	\$40,869	
10	02 Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	983	\$50	\$49,134	1970	50	-1	-2.00%	\$150	\$147,402	2.50%	1	1.025	\$151,088	1.0000	\$151,087.53	\$73,701	\$147,402	
11	10 Gravity sewer main	CDOT to Niagara Ave to Samuel Wade	LF	15	VCP	240	\$50	\$11,980	1970	50	-1	-2.00%	\$150	\$35,939	2.50%	1	1.025	\$36,838	1.0000	\$36,837.68	\$17,970	\$35,939	
	Manholes	_	EA			168	\$2,500	\$420,000	1983	75	37	49.98%	\$7,500	\$1,260,000	2.50%	37	2.524	\$3,179,653	0.0164	\$52,175.61	\$630,000	\$1,260,000	
	Subtotal							\$4,134,213										\$48,518,216		\$3,043,689	\$6,201,320	\$12,402,640	
					-																		
astewater Treatmen	nt																						
/astewater Treatmen			15			1	\$3 000 000	\$3 000 000	2005	50	34	68.00%	\$6,000,000	000.000.32	2 50%	34	2 315	\$13,801,033	0.0190	\$264.040.50			
astewater Treatmen	nt WWTF		LS			1	\$3,000,000	\$3,000,000	2005	50	34	68.00%	\$6,000,000	\$6,000,000	2.50%	34	2.315	\$13,891,933	0.0190	\$264,040.50			
/astewater Treatmen	WWTF		LS			1	\$3,000,000		2005	50	34	68.00%	\$6,000,000	\$6,000,000	2.50%	34	2.315		0.0190				
astewater Treatmen			LS			1	\$3,000,000	\$3,000,000 \$3,000,000	2005	50	34	68.00%	\$6,000,000	\$6,000,000	2.50%	34	2.315	\$13,891,933 \$13,891,933	0.0190	\$264,040.50 \$264,041	\$0	\$0	
istewater Treatmen	WWTF Subtotal		LS			1	\$3,000,000	\$3,000,000		50	34	68.00%	\$6,000,000	\$6,000,000	2.50%	34	2.315	\$13,891,933	0.0190	\$264,041	\$0	\$0	
stewater Treatmen	WWTF		LS			1	\$3,000,000			50	34	68.00%	\$6,000,000	\$6,000,000	2.50%	34	2.315		0.0190		\$0 \$6,201,320	\$0 \$12,402,640	

Appendix D

Reference Documents

Useful Life Renewal Strategies The following information was adapted from 'Fundamentals of Asset Management' training workshop produced by the U.S. Environmental Protection Agency in 2006. https://www.epa.gov/sustainable-water-infrastructure/asset-management-water-andwastewater-utilities#workshops

Expected Useful Lives (Years)

Asset Type	Exp Life
Civil Structures	75
PVC Pressure Pipes	100
DIP Pressure Pipes	100
Cast Iron Pressure Pipes	50
Steel Pressure Pipes	50
PVC Sewers	100
VCP Sewers	50
Pumps	30
Submersible Pumps	15
Valves	30
Motors	30
Electrical	45
Controls	25
Building Assets	60
Asphalt Pavement	50

	Major Repair Costs were e	of infrastructure owned and maintained by the entity. Replacement Costs were calculated based on the date of istimated using the calculated Replacement Cost and a general price index based on the age of the asset. Price
	ed in 1983 for \$2,500 each.	We calculated estimated the cost to rehabilitate a manhole today (in 2021) would be the original cost multiplied by original cost multiplied by 3.00, or \$7,500 each.
In publicly-owned civil infrastructure systems, where rehabilit replacement cost predictions may be subject to too much vari		rk is done by competitive bids, replacement cost is based upon current market forces. Please note that Future
Please note that the condition and performance of assets wer condition at the time of replacement and therefore not all rep		which greatly affect the life expectancy and costs of repair or replacement. Some assets are in better or worse same on a per unit basis.
Wastewater Collection Pipe, Manhole		
Description Price Index Minor Repair/Maintenance	1.50	
Major Repair (InSitu Lining)	3.00	
Wastewater Treatment Facilities, Equipment		
Description Price Index Minor Repair/Maintenance	0.10	
Major Repair	0.50	
Tanks		
Description Price Index Installed Date < 1996		
Minor Rehab Major Rehab	0.50	
Replace	1.50	
1996 < Installed Date < 2016		
Minor Rehab Major Rehab	0.30 0.70	
Replace	1.20	
Water Mains		
Description Price Index Rehabilitate (InSitu Lining)	1.50	
Replace (Open Cut Trench)	3.00	
Pumps, Motors, Valves, Hydrants, Wells, Electric, Control Syste	en	
Description Price Index Installed Date < 1996		
Minor Rehab Major Rehab	1.00 2.00	
Replace	3.00	
1996 < Installed Date < 2016		
Minor Rehab Major Rehab	0.70	
Major Kenab Replace	2.00	
Installed Date > 2016		
Minor Rehab	0.50	
Major Rehab Replace	0.70	
Buildings		
Description Price Index Minor Rehab	0.50	
Major Rehab	1.00	
Replace	1.50	
3-inch \$ 4-inch \$	800.00 1,200.00	
6-inch \$	1,600.00	
8-inch \$ 10-inch \$	2,500.00 4,300.00	
12-inch \$	5,700.00	
14-inch \$ 15-inch \$	12,200.00 17,000.00	
16-inch \$ 18-inch \$	17,000.00 22,000.00	
20-inch \$	28,600.00	
21-inch \$ 24-inch \$	33,000.00 42,600.00	
27-inch \$ 30-inch \$	54,000.00 65,400.00	
30-inch \$ 36-inch \$	95,000.00	
Tap Dataset		
meter_size_cost		
Domain		
Description Value 5/8-inch meter \$	80.00	
3/4-inch meter \$ 1-inch meter \$	130.00 190.00	
1.5-inch meter \$	430.00	
2-inch meter \$ 3-inch meter \$	590.00 3,020.00	
4-inch meter \$ 6-inch meter \$	4,910.00 7,900.00	
	7,500.00	
PumpStations Dataset ps_size_cost		
Domain Description Value		
Pump Station GPM < = 500 \$	250.00 /	3pm
Pump Station 500 < GPM < = 1000 \$ Pump Station 1000 < GPM \$	300.00 /s	
type_cip_project		
Domain		
Description Value Minor Rehabilitate	0.1	
Major Rehabilitate Replace	0.50 1.00	
neprace	1.00	

Original costs to build (or acquire) assets were estimated to calculate the current Value of infrastructure owned and maintained by the entity. Replacement Costs were calculated based on the date of

PAONIA C.O.L.O.R.A.D.O	oll Call		
Summary:			
Notes:			
Possible Motions:			
Motion by:	2 nd :	vote:	
Vote:	Mayor Bachran	Trustee Budinger	Trustee Johnson
Trustee Knutson	Vacant	Trustee Smith	Trustee Thompson

PAONIA C+O+L+O+R+A+D+O	genda Approval		
Summary:			
Notes:			
Possible Motions:			
Motion by:	2 nd :	vote:	
Vote:	Mayor Bachran	Trustee Budinger	Trustee Johnson
Trustee Knutson	Vacant	Trustee Smith	Trustee Thompson

PAONIA C·O·L·O·R·A·D·O	nnouncements		
Summary:			
Notes:			
Possible Motions:			
Motion by:	2 nd :	vote:	
Vote:	Mayor Bachran	Trustee Budinger	Trustee Johnson
Trustee Knutson	Vacant	Trustee Smith	Trustee Thompson

Mmm
PAONIA
C + O + L + O + R + A + D + O

Special Meeting: SGM - Capital Improvement Plan/Asset Inventory & System Mapping Presentation follow-up discussion and possible action regarding planning for the water system

Summary:

Notes:

LINK TO Town Website Mapping Page:

https://townofpaonia.colorado.gov/departments/public-works

Possible Motions:			
Motion by:	2 nd :	vote:	
Vote:	Mayor Bachran	Trustee Budinger	Trustee Johnson
Trustee Knutson	Vacant	Trustee Smith	Trustee Thompson

PAONIA C+O+L+O+R+A+D+O	ljournment		
Summary:			
Notes:			
Dessible Metioner			
Possible Motions:			
Motion by:	2 nd :	vote:	
Vote:	Mayor Bachran	Trustee Budinger	Trustee Johnson
Trustee Knutson	Vacant	Trustee Smith	Trustee Thompson