See What's *Possible.*

www.greatwesteng.com

Proposed Community Development Block Grant for Public and Community Facilities

Town of Saco
Public Hearing – September 13, 2023

Matthew Mudd, PE

GreatWest ENGINEERING

AGENDA/OUTLINE

- CALL MEETING TO ORDER
- WELCOME & INTRODUCTIONS
- OVERVIEW OF CDBG-PF PROGRAM and APPLICATION PROCESS
- PRESENTATION OF PROPOSED PROJECT
- PUBLIC COMMENT
- ADJOURNMENT

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COMMUNITY DEVELOP BLOCK GRANT (CDBG) PROGRAM OVERVIEW

- **F**ederally-funded program established by Congress as part of the Housing and Community Development Act of 1974 and administered by the U.S. Housing and Urban Development (HUD).
- All CDBG programs for non-entitlement communities are administered by the MT Department of Commerce (referred to as State CDBG Program).
- **P**urpose and national and state objectives are to develop viable urban communities by *providing decent housing* and a *suitable living environment*, and by *expanding economic opportunities*, principally for low- to moderate-income persons.
- CDBG-Public and Community Facilities program is a designed to help local governments fund construction or rehabilitation of infrastructure and facilities that primarily benefit low- to moderate-income (LMI) Montanans

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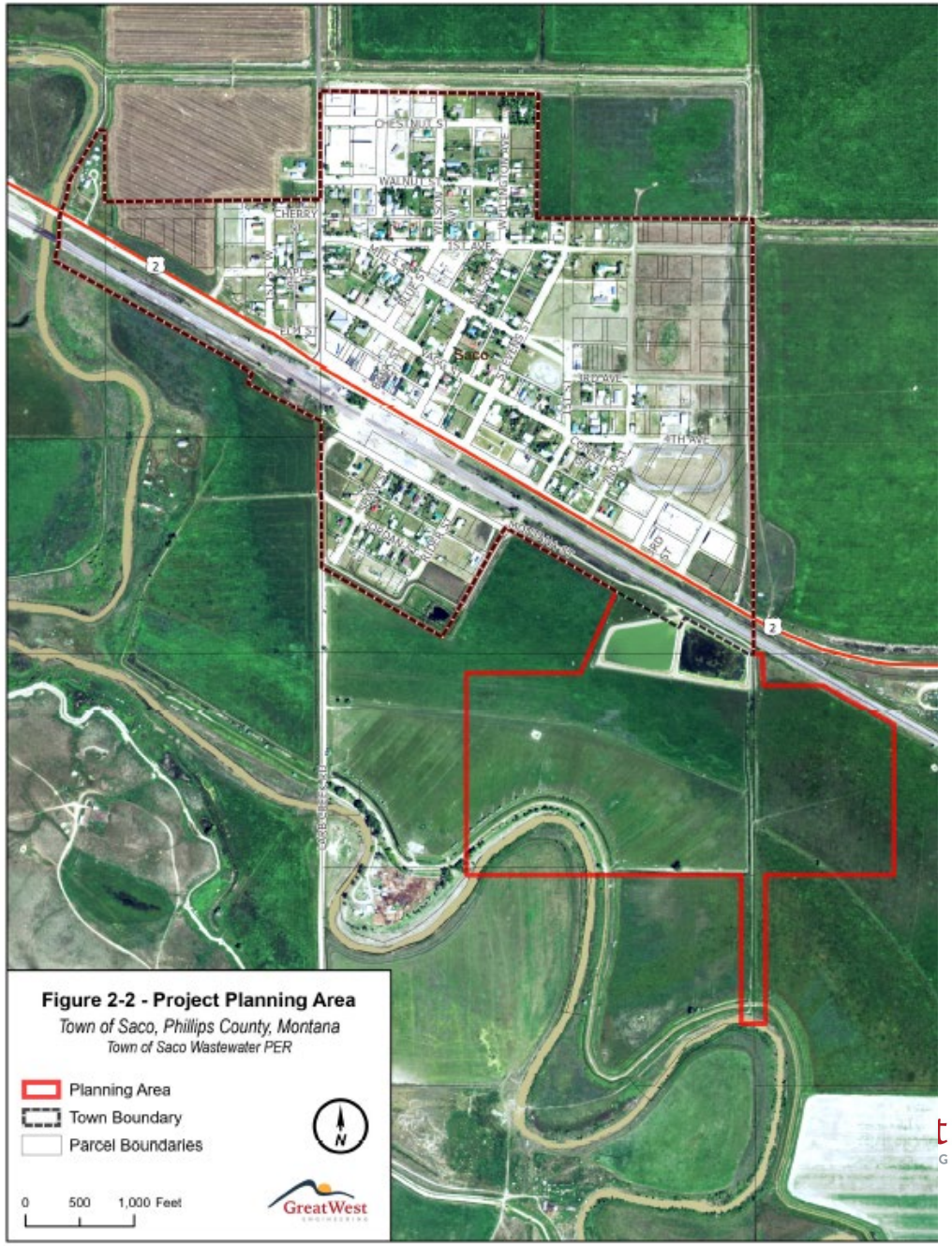
PLANNING AREA
COLLECTION AND TREATMENT AREAS

» Study Area



EVALUATION OF EXISTING SEWER SYSTEM
POPULATION

Year	Saco[1]	% Annual Increase/Decrease	Phillips County	% Annual Increase/Decrease
1990	261		5,163	
2000	224	-14.2%	4,601	-12.2%
2010	197	-12.1%	4,253	-7.56%
2020	159	-19.2%	4,217	-0.85%
Average		-15.2%		-6.87%
2042	177	0.50%		

(1) US Census Bureau

(2) Population of Town at Design Year (2042) estimated from 2020 Census at conservative 0.5% Annual Growth

Original design population=490

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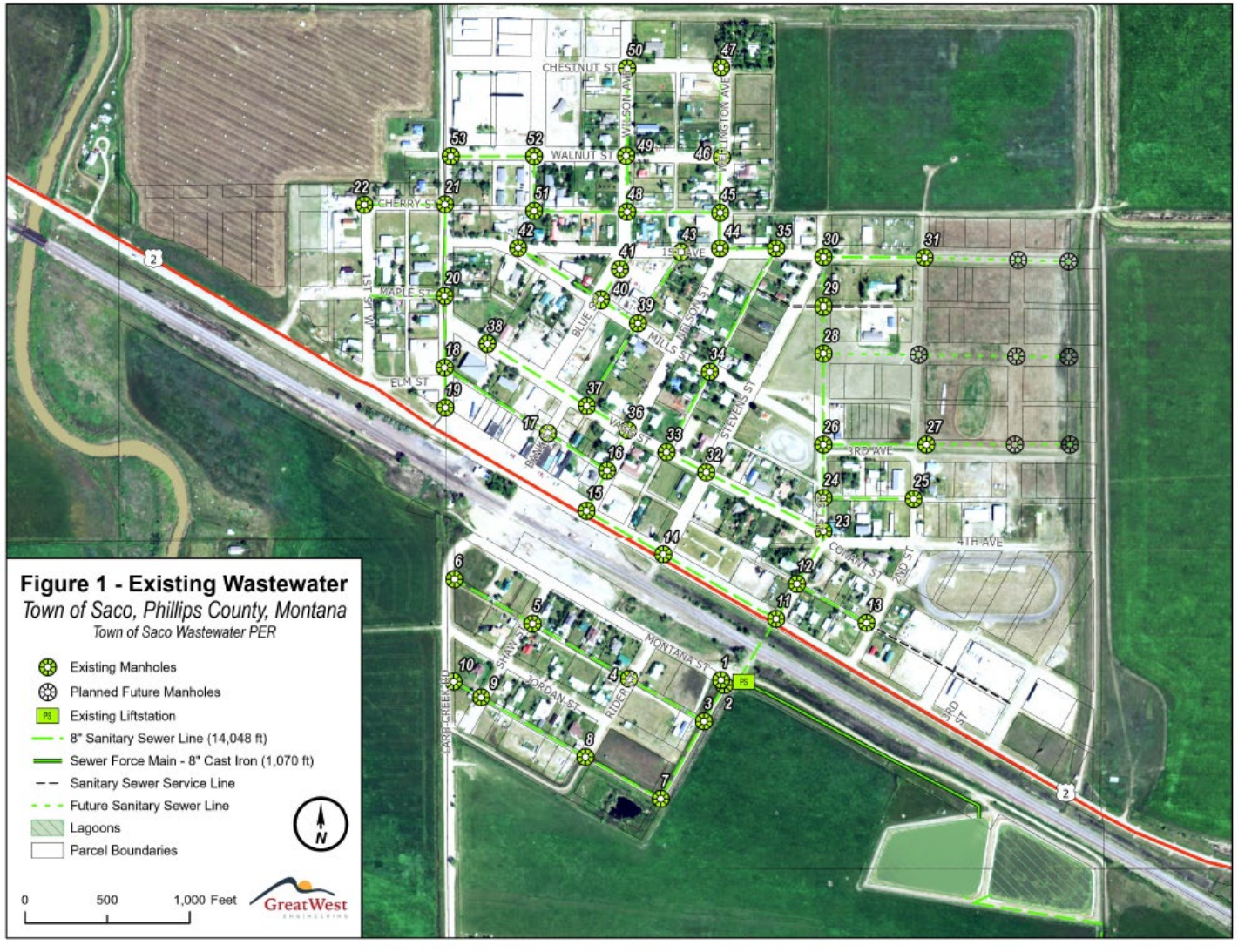
EVALUATION OF EXISTING SEWER SYSTEM - COLLECTION



- Reviewed Original Maps
- Over 14,000 8” – mostly Clay
- Some 8” PVC
- Some 4” and 6” extensions
- Future Extensions

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EVALUATION OF EXISTING SEWER SYSTEM - COLLECTION SYSTEM

- **Evaluation Methods**
  - Sewer Cleaning and Video Reports
  - Site Visits/Investigations
  - Historical Information and Accounts

- **History**
  - No Major Capital Project Upgrades Done on Collection System
  - Repairs are Done as Needed
  - Town Routinely Cleans Lines

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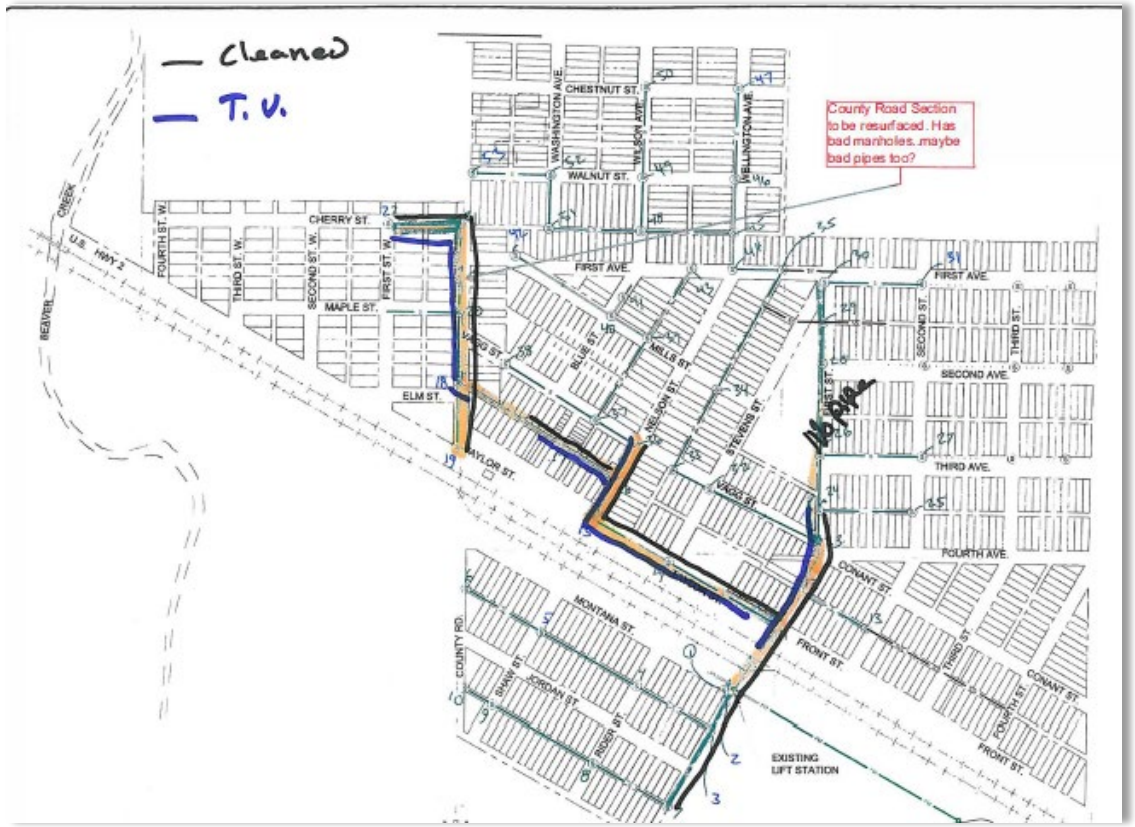
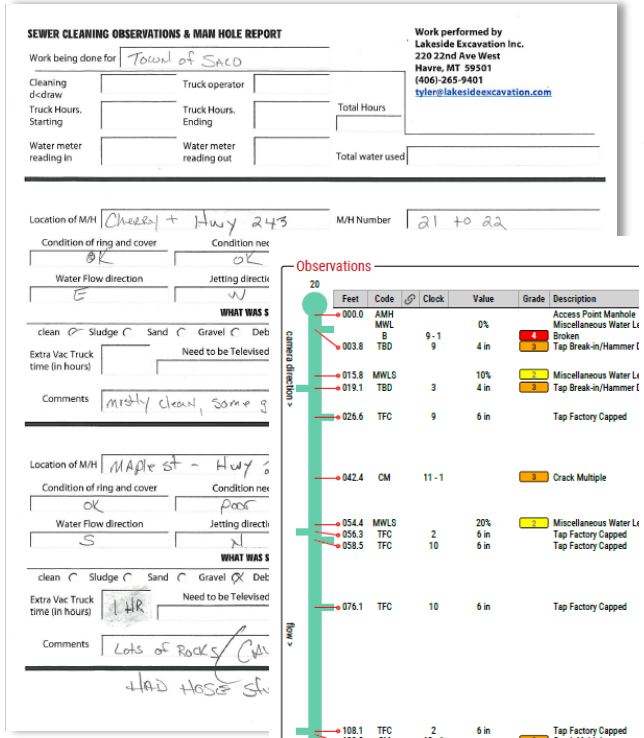
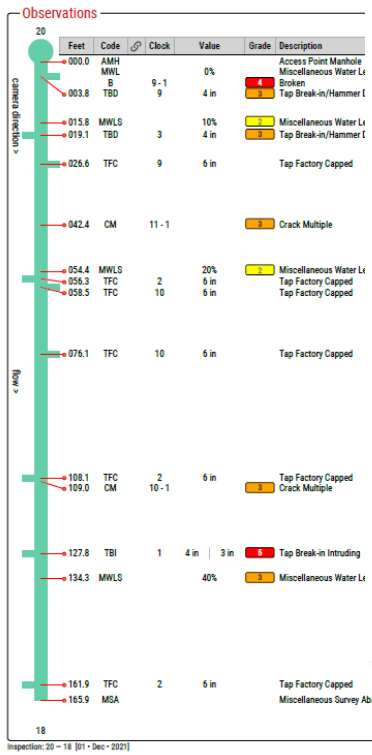
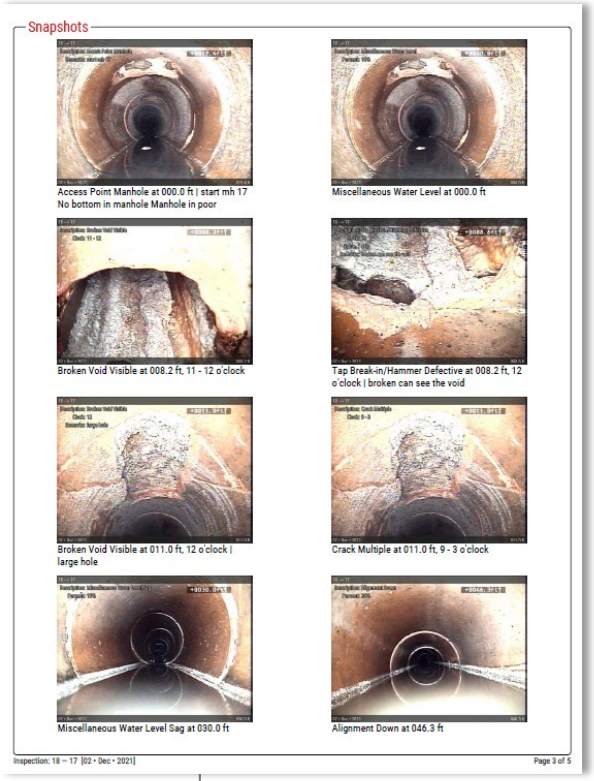
EVALUATION OF EXISTING SEWER SYSTEM - COLLECTION SYSTEM

» Cleaning and Video Reports









» 10,000’ Cleaned, 6,000’ Video’ d

» Not all Could be Video’d

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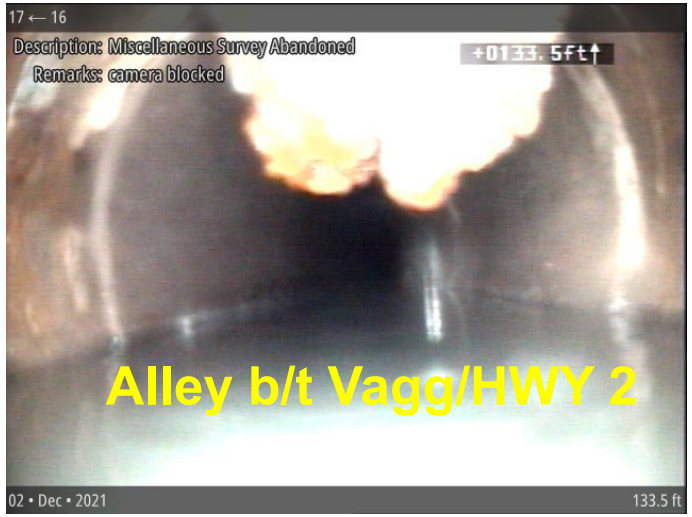
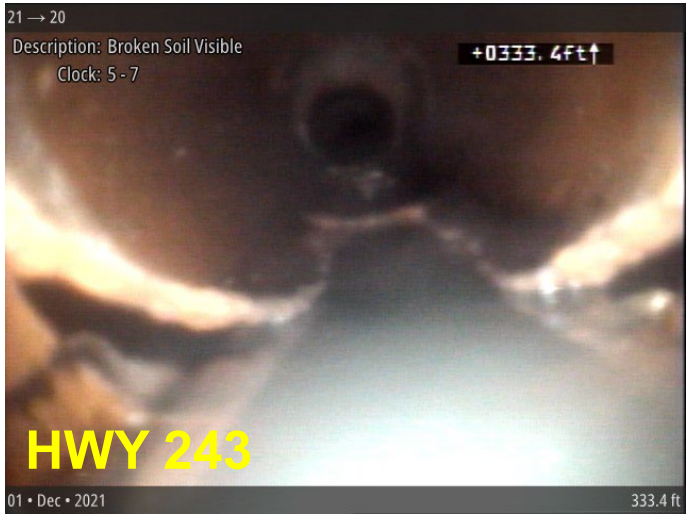
EVALUATION OF EXISTING SEWER SYSTEM - COLLECTION SYSTEM

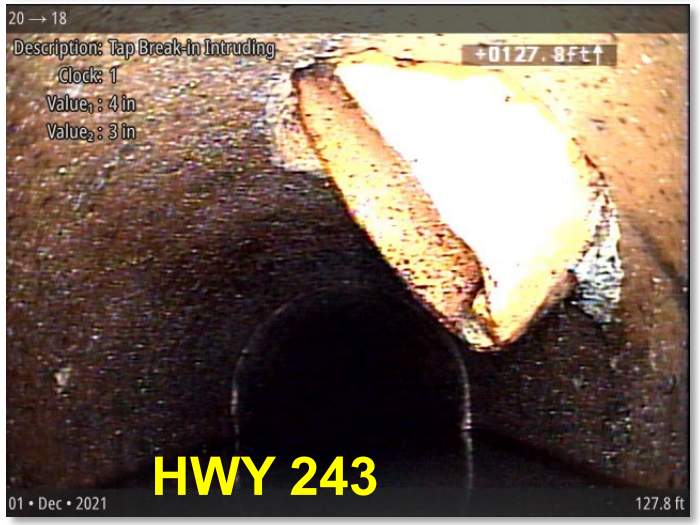
» Video Snapshots





EVALUATION OF EXISTING SEWER SYSTEM - COLLECTION SYSTEM

» Video Snapshots



EVALUATION OF EXISTING SEWER SYSTEM - COLLECTION SYSTEM

» Manholes

HWY 243

Alley b/t Vagg/HWY 2

1st St/HWY 2

Vagg/Nelson

Note: Some Manholes are Under the Levee (South of Tracks)

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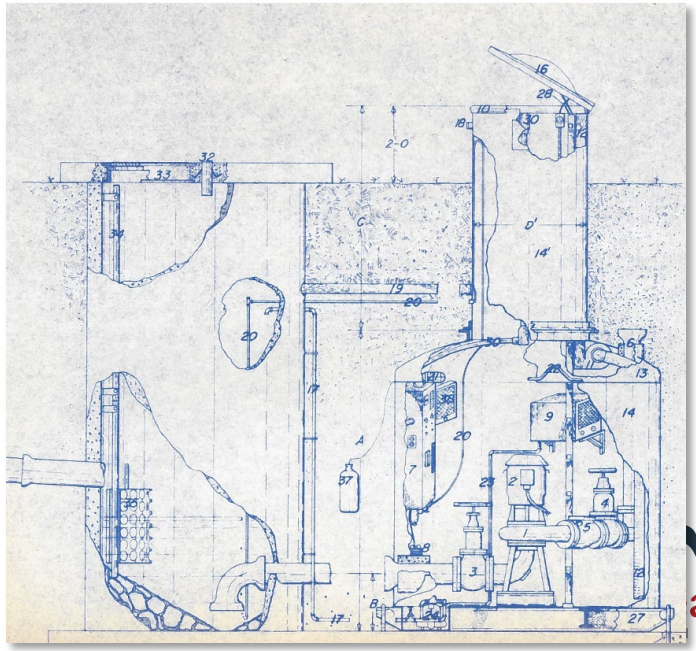
EVALUATION OF EXISTING SEWER SYSTEM – LIFT STATION

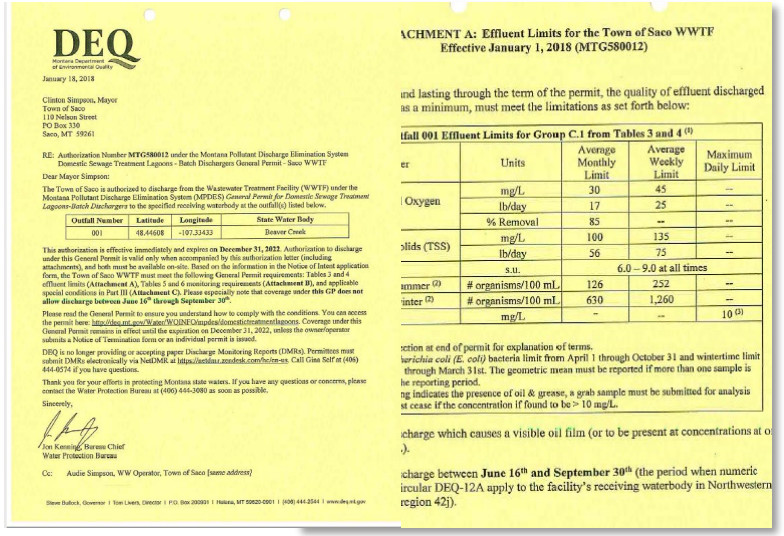
» Wet Well / Dry Well Lift Station



EVALUATION OF EXISTING SEWER SYSTEM – TREATMENT

Treatment Lagoons w/ Discharge

- Batch – No discharge June 16 – Sept. 30
- Discharge 1-2 times per year
- E.coli. Limits – Exceed nearly 60% of time
- TSS limits
- BOD limits – Exceed nearly 45% of time



DEQ
Montana Department of Environmental Quality

January 18, 2018

Clinton Simpson, Mayor
Town of Saco
110 Nelson Street
PO Box 330
Saco, MT 59261

RE: Authorization Number **MTG580012** under the Montana Pollutant Discharge Elimination System Domestic Sewage Treatment Lagoons - Batch Dischargers General Permit - Saco WWTF

Dear Mayor Simpson:

The Town of Saco is authorized to discharge from the Wastewater Treatment Facility (WWTF) under the Montana Pollutant Discharge Elimination System (MPDES) *General Permit for Domestic Sewage Treatment Lagoons-Batch Dischargers* to the specified receiving waterbody at the outfall(s) listed below.

Outfall Number	Latitude	Longitude	State Water Body
001	48.44608	-107.33433	Beaver Creek

This authorization is effective immediately and expires on **December 31, 2022**. Authorization to discharge under this General Permit is valid only when accompanied by this authorization letter (including attachments), and both must be available on-site. Based on the information in the Notice of Intent application form, the Town of Saco WWTF must meet the following General Permit requirements: Tables 3 and 4 effluent limits (**Attachment A**), Tables 5 and 6 monitoring requirements (**Attachment B**), and applicable special conditions in Part III (**Attachment C**). Please especially note that coverage under **this GP does not allow discharge between June 16th through September 30th.**

Please read the General Permit to ensure you understand how to comply with the conditions. You can access the permit here: http://deq.mt.gov/Water/WQINFO/mpdes/domestictreatmentlagoons. Coverage under this General Permit remains in effect until the expiration on December 31, 2022, unless the owner/operator submits a Notice of Termination form or an individual permit is issued.

DEQ is no longer providing or accepting paper Discharge Monitoring Reports (DMRs). Permittees must submit DMRs electronically via NetDMR at https://netdmr.zendesk.com/hc/en-us. Call Gina Solf at (406) 444-6574 if you have questions.

Thank you for your efforts in protecting Montana state waters. If you have any questions or concerns, please contact the Water Protection Bureau at (406) 444-3080 as soon as possible.

Sincerely,

Jon Kenning, Bureau Chief
Water Protection Bureau

Cc: Audie Simpson, WW Operator, Town of Saco *[same address]*

Steve Bullock, Governor | Tom Livers, Director | P.O. Box 200901 | Helena, MT 59620-0901 | (406) 444-2544 | www.deq.mt.gov

ACHMENT A: Effluent Limits for the Town of Saco WWTF
Effective January 1, 2018 (MTG580012)

nd lasting through the term of the permit, the quality of effluent discharged as a minimum, must meet the limitations as set forth below:

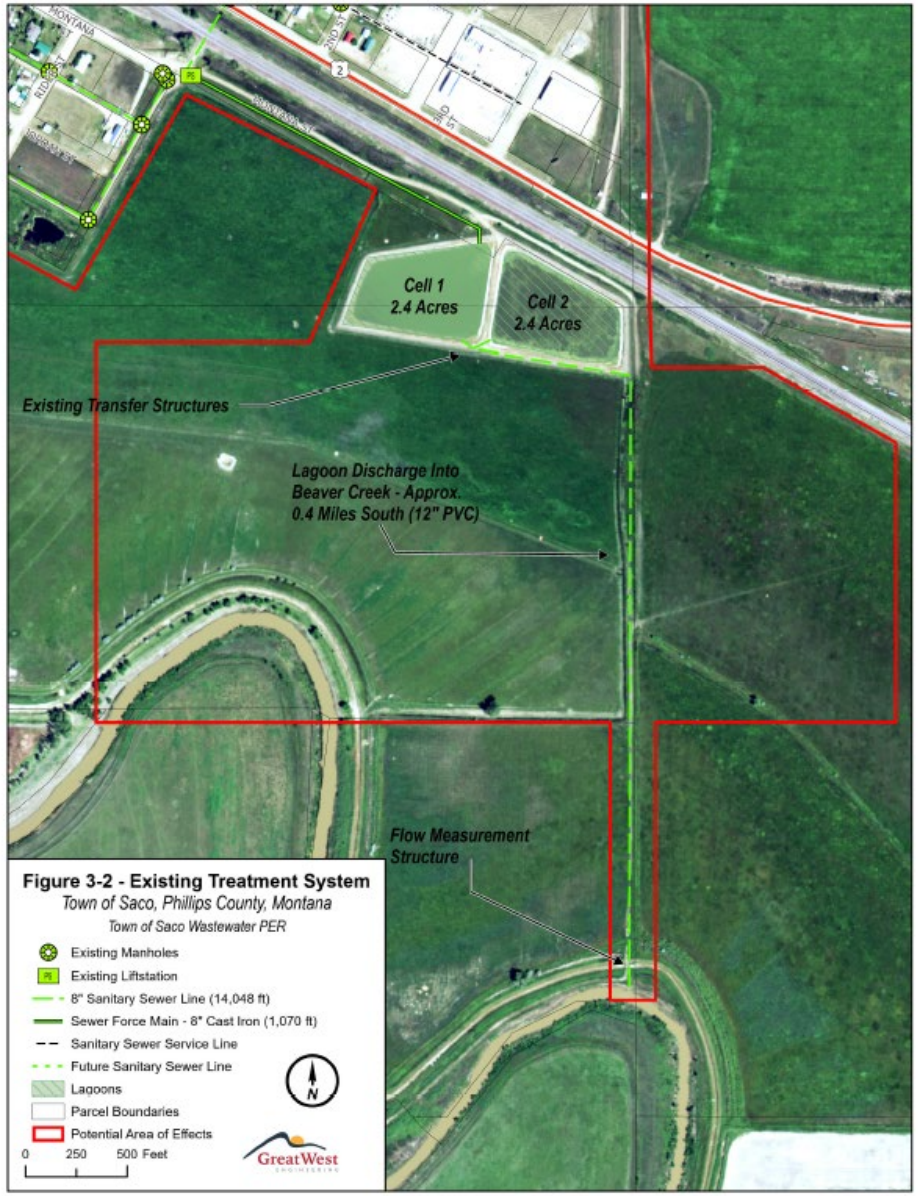
tfall 001 Effluent Limits for Group C.1 from Tables 3 and 4 (1)

er	Units	Average Monthly Limit	Average Weekly Limit	Maximum Daily Limit
Oxygen	mg/L	30	45	--
	lb/day	17	25	--
	% Removal	85	--	--
olids (TSS)	mg/L	100	135	--
	lb/day	56	75	--
	s.u.	6.0 – 9.0 at all times		
ummer (2)	# organisms/100 mL	126	252	--
inter (2)	# organisms/100 mL	630	1,260	--
	mg/L	-	--	10 (3)

ction at end of permit for explanation of terms.
herichia coli (E. coli) bacteria limit from April 1 through October 31 and wintertime limit through March 31st. The geometric mean must be reported if more than one sample is he reporting period.
ng indicates the presence of oil & grease, a grab sample must be submitted for analysis st cease if the concentration if found to be > 10 mg/L.

charge which causes a visible oil film (or to be present at concentrations at o .).

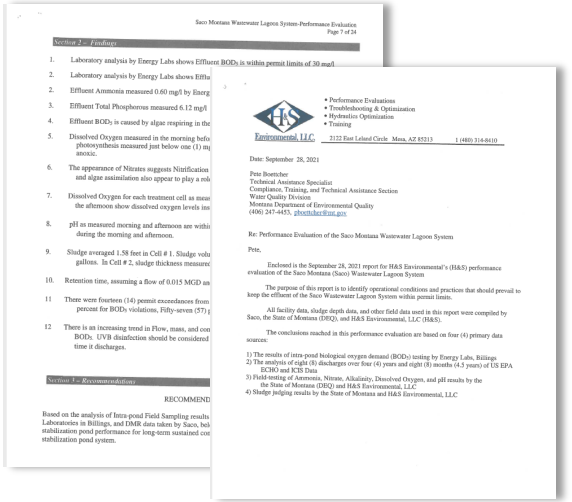
charge between **June 16th and September 30th** (the period when numeric ircular DEQ-12A apply to the facility's receiving waterbody in Northwestern region 42j).



EVALUATION OF EXISTING SEWER SYSTEM – TREATMENT

Lagoon Issues

- » DEQ H&S Study & Recommendations
- » Influent Structure Splitter Control Not Working
- » Excessive Sludge – about 2.5 million gallons
- » Eroded Banks



Saco Montana Wastewater Lagoon System-Performance Evaluation
Page 7 of 24

Section 2 – Findings

1. Laboratory analysis by Energy Labs shows Effluent BOD_5 is within permit limits of 30 mg/l
2. Laboratory analysis by Energy Labs shows Efflu
2. Effluent Ammonia measured 0.60 mg/l by Energ
3. Effluent Total Phosphorous measured 6.12 mg/l
4. Effluent BOD_5 is caused by algae respiring in the
5. Dissolved Oxygen measured in the morning befo photosynthesis measured just below one (1) m anoxic.
6. The appearance of Nitrates suggests Nitrification and algae assimilation also appear to play a rol
7. Dissolved Oxygen for each treatment cell as mea the afternoon show dissolved oxygen levels ins
8. pH as measured morning and afternoon are within during the morning and afternoon.
9. Sludge averaged 1.58 feet in Cell # 1. Sludge volu gallons. In Cell # 2, sludge thickness measure
10. Retention time, assuming a flow of 0.015 MGD an
11. There were fourteen (14) permit exceedances from percent for BOD_5 violations, Fifty-seven (57)
12. There is an increasing trend in Flow, mass, and con BOD_5. UVB disinfection should be considered time it discharges.

Section 3 – Recommendations

RECOMMEND

Based on the analysis of Intra-pond Field Sampling results Laboratories in Billings, and DMR data taken by Saco, bel stabilization pond performance for long-term sustained co stabilization pond system.

H&S Environmental, LLC

- Performance Evaluations
- Troubleshooting & Optimization
- Hydraulics Optimization
- Training

2122 East Leland Circle Mesa, AZ 85213 1 (480) 314-8610

Date: September 28, 2021

Pete Boettcher
Technical Assistance Specialist
Compliance, Training, and Technical Assistance Section
Water Quality Division
Montana Department of Environmental Quality
(406) 247-4453, pboettcher@mt.gov

Re: Performance Evaluation of the Saco Montana Wastewater Lagoon System

Pete,

Enclosed is the September 28, 2021 report for H&S Environmental's (H&S) performance evaluation of the Saco Montana (Saco) Wastewater Lagoon System

The purpose of this report is to identify operational conditions and practices that should prevail to keep the effluent of the Saco Wastewater Lagoon System within permit limits.

All facility data, sludge depth data, and other field data used in this report were compiled by Saco, the State of Montana (DEQ), and H&S Environmental, LLC (H&S).

The conclusions reached in this performance evaluation are based on four (4) primary data sources.

1) The results of intra-pond biological oxygen demand (BODs) testing by Energy Labs, Billings
2) The analysis of eight (8) discharges over four (4) years and eight (8) months (4.3 years) of US EPA ECHO and ICIS Data
3) Field-testing of Ammonia, Nitrate, Alkalinity, Dissolved Oxygen, and pH results by the the State of Montana (DEQ) and H&S Environmental, LLC
4) Sludge judging results by the State of Montana and H&S Environmental, LLC

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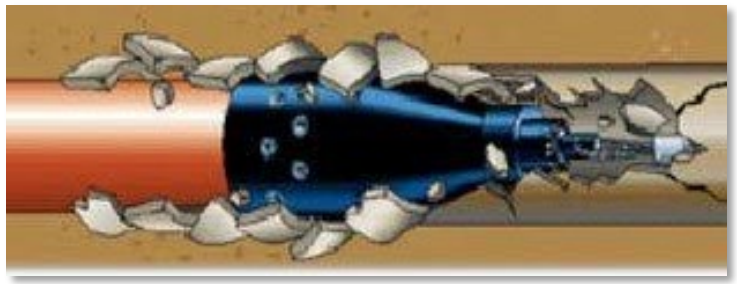
ALTERNATIVES EVALUATION - COLLECTION

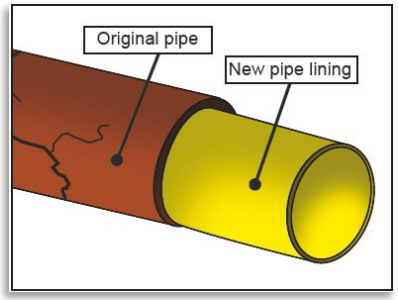
Methods to Consider:

- **No Action**
- **Open Cut**
- **Pipe Rehabilitation**
  - Pipe Bursting
  - Cured-In-Place Pipe (CIPP)
  - Bore and Jack Pipeline installation

Preferred Alternative:

- Open Cut, with Bore and Jack at HWY
- and Railroad
- CIPP Where Applicable





ALTERNATIVES EVALUATION - COLLECTION

Locations & Phasing

Total Project Estimates

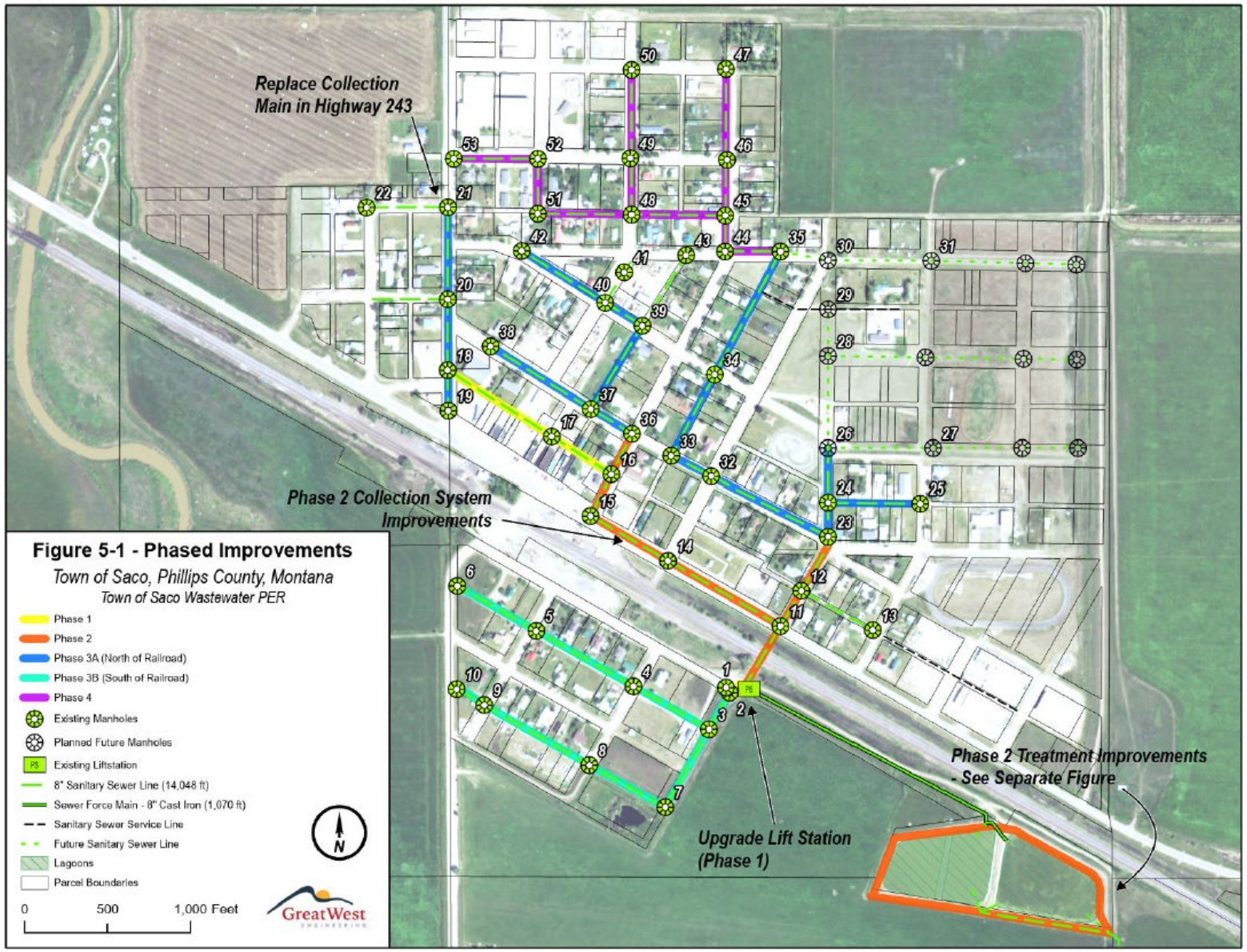
» C-1: No Action

» C-2: Phase 1 - ARPA

» **C-3: Phase 2 - Applying**

» C-4: Phase 3

» Phase 4



ALTERNATIVES EVALUATION – LIFT STATION

- LS-1 No Action
- LS-2 Lift Station Upgrades - **Being Done with Phase 1 Project**
  - Submersible Packaged Lift Station

ALTERNATIVES EVALUATION – TREATMENT

Methods:

- No Action
- Sludge Removal Moved from Phase 2 to Phase 1 (With Phillips Co ARPA Funds)
- T-1: Reconstruct Lagoons, add UV System
- T-2: Reconstruct Lagoons, add Total Retention Lagoon
- T-3: Minor Lagoon Upgrades, Effluent Irrigation
- T-4: Minor Lagoon Upgrades, UV System
- **T-5: Minor Lagoon Upgrades – Preferred Project**

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PREFERRED ALTERNATIVE

Combined Alternatives: C-2 (revised), T-5 (revised) Opinion of Probable Cost			
#	Bid Item	Source	Total
1	Alternative C-2: Phase 2 Collection System Improvements (400' additional pipe)	Table 5-2 rev	$587,000
2	Alternative T-5: Minor Lagoon Upgrades (less sludge removal)	Table 5-15 rev	$79,000
	Direct Construction Subtotal		**$666,000**
	Mobilization	10%	$67,000
	Traffic Control	1%	$6,000
	Construction Subtotal		**$739,000**
	2025 Construction Cost	8.00%	$861,000
	Contingency	20.00%	$172,000
	Sludge Management Plan	Moved to Phase 1	$0
	Railroad Permit		$15,000
	MDT Permit		$10,000
	USACE Levee Permit		$12,000
	Engineering Basic Services		$155,000
	RPR		$80,000
	Professional Services Grant Admin		$45,000
	Legal & Administrative		$25,000
	TOTAL		**$1,375,000**

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ENVIRONMENTAL ASSESSMENT

What is an Environmental Assessment (EA)?

- Public document analyzing environmental issues

Draft EA has been completed

- State and federal agencies have been contacted
- Many responses have been received
- Public comments solicited

February 12, 2018

Department of Commerce Census and Economy
PO Box 200505
Helena MT 59620

Re: Geraldine, Montana Wastewater System Improvements

We are requesting your review of possible environmental impacts from improvements planned for the Town of Geraldine wastewater treatment system. The Town is currently in the process of completing a Preliminary Engineering Report (PER) for treatment plant upgrades to meet discharge limits for E. coli and alternatives to address high quantities of inflow and infiltration (I & I) in to their sewer collection system. A layout of the existing system and project area is attached to this letter.

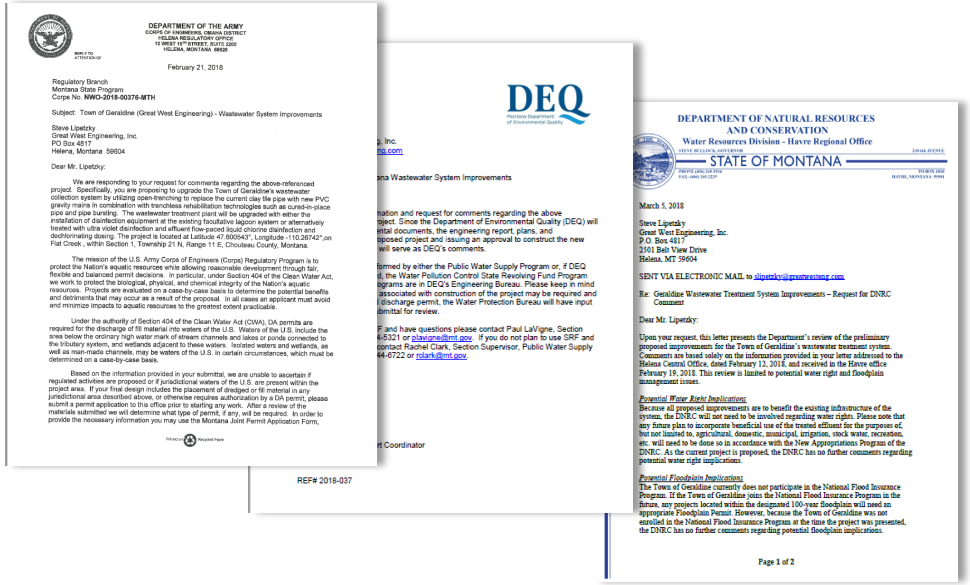
Treatment plant upgrade alternatives include installation of disinfection equipment at the existing facultative lagoon system to meet E. coli limits for the facility's surface water discharge permit. Alternatives considered include ultra violet disinfection and effluent flow-paced liquid chlorine disinfection and dechlorination dosing.

To address I & I within the collection system, the Town is considering traditional open-trench replacement of aging/deteriorated clay tile pipe with new PVC gravity mains as well as trenchless rehabilitation technologies, such as cured-in-place-pipe (CIPP) and pipe bursting.

The Town is expected to make a decision on the improvement alternatives as part of the PER in mid-Spring 2018. All improvements will be designed by licensed engineers and appropriate approval and permits will be obtained prior to proceeding with improvements.

Please take a few moments to review the site and the proposed project. Please provide a written response detailing any comments you may have regarding the project and any potential environmental impacts that should be considered in the project design, avoidance, or mitigation measures.

If you have no comment on this project please check the box below and countersign the bottom of this letter and return to Great West Engineering, Inc. at the address listed above.



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
HELENA REGULATORY OFFICE
10 WEST 15TH STREET, SUITE 2200
HELENA, MONTANA 59626

February 21, 2018

Regulatory Branch
Montana State Program
Corps No. NWO-2018-00376-MTH

Subject: Town of Geraldine (Great West Engineering) - Wastewater System Improvements

Steve Lipetzky
Great West Engineering, Inc.
PO Box 4817
Helena, Montana 59604

Dear Mr. Lipetzky:

We are responding to your request for comments regarding the above-referenced project. Specifically, you are proposing to upgrade the Town of Geraldine's wastewater collection system by utilizing open-trenching to replace the current clay tile pipe with new PVC gravity mains in combination with trenchless rehabilitation technologies such as cured-in-place pipe and pipe bursting. The wastewater treatment plant will be upgraded with either the installation of disinfection equipment at the existing facultative lagoon system or alternatively treated with ultra violet disinfection and effluent flow-paced liquid chlorine disinfection and dechlorinating dosing. The project is located at Latitude 47.600543°, Longitude -110.26742°,on Flat Creek , within Section 1, Township 21 N, Range 11 E, Chouteau County, Montana.

The mission of the U.S. Army Corps of Engineers (Corps) Regulatory Program is to protect the Nation's aquatic resources while allowing reasonable development through fair, flexible and balanced permit decisions. In particular, under Section 404 of the Clean Water Act, we work to protect the biological, physical, and chemical integrity of the Nation's aquatic resources. Projects are evaluated on a case-by-case basis to determine the potential benefits and detriments that may occur as a result of the proposal. In all cases an applicant must avoid and minimize impacts to aquatic resources to the greatest extent practicable.

Under the authority of Section 404 of the Clean Water Act (CWA), DA permits are required for the discharge of fill material into waters of the U.S. Waters of the U.S. include the area below the ordinary high water mark of stream channels and lakes or ponds connected to the tributary system, and wetlands adjacent to these waters. Isolated waters and wetlands, as well as man-made channels, may be waters of the U.S. in certain circumstances, which must be determined on a case-by-case basis.

Based on the information provided in your submittal, we are unable to ascertain if regulated activities are proposed or if jurisdictional waters of the U.S. are present within the project area. If your final design includes the placement of dredged or fill material in any jurisdictional area described above, or otherwise requires authorization by a DA permit, please submit a permit application to this office prior to starting any work. After a review of the materials submitted we will determine what type of permit, if any, will be required. In order to provide the necessary information you may use the Montana Joint Permit Application Form,

DEQ

REF# 2018-037

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
Water Resources Division - Havre Regional Office
STATE OF MONTANA

March 5, 2018

Steve Lipetzky
Great West Engineering, Inc.
P.O. Box 4817
2501 Belt View Drive
Helena, MT 59604

SENT VIA ELECTRONIC MAIL to slipetzky@greatwesteng.com

Re: Geraldine Wastewater Treatment System Improvements – Request for DNRC Comment

Dear Mr. Lipetzky:

Upon your request, this letter presents the Department's review of the preliminary proposed improvements for the Town of Geraldine's wastewater treatment system. Comments are based solely on the information provided in your letter addressed to the Helena Central Office, dated February 12, 2018, and received in the Havre office February 19, 2018. This review is limited to potential water right and floodplain management issues.

Potential Water Right Implications:
Because all proposed improvements are to benefit the existing infrastructure of the system, the DNRC will not need to be involved regarding water rights. Please note that any future plan to incorporate beneficial use of the treated effluent for the purposes of, but not limited to, agricultural, domestic, municipal, irrigation, stock water, recreation, etc. will need to be done so in accordance with the New Appropriations Program of the DNRC. As the current project is proposed, the DNRC has no further comments regarding potential water right implications.

Potential Floodplain Implications:
The Town of Geraldine currently does not participate in the National Flood Insurance Program. If the Town of Geraldine joins the National Flood Insurance Program in the future, any projects located within the designated 100-year floodplain will need an appropriate Floodplain Permit. However, because the Town of Geraldine was not enrolled in the National Flood Insurance Program at the time the project was presented, the DNRC has no further comments regarding potential floodplain implications.

Page 1 of 2

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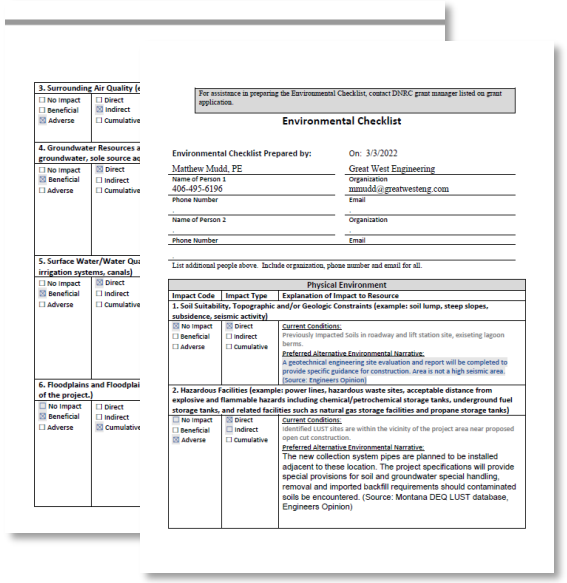
ENVIRONMENTAL ASSESSMENT



For assistance in preparing the Environmental Checklist, contact DNRC grant manager listed on grant application.

Environmental Checklist

Environmental Checklist Prepared by: Matthew Mudd, PE — On: 3/3/2022

Name of Person 1: Matthew Mudd, PE — Organization: Great West Engineering

Phone Number: 406-495-6196 — Email: mmudd@greatwesteng.com

Name of Person 2 — Organization

Phone Number — Email

List additional people above. Include organization, phone number and email for all.

Physical Environment

Impact Code	Impact Type	Explanation of Impact to Resource
1. Soil Suitability, Topographic and/or Geologic Constraints (example: soil lump, steep slopes, subsidence, seismic activity)		
☒ No Impact ☐ Beneficial ☐ Adverse	☒ Direct ☐ Indirect ☐ Cumulative	Current Conditions: Previously impacted Soils in roadway and lift station site, existeting lagoon berms. Preferred Alternative Environmental Narrative: A geotechnical engineering site evaluation and report will be completed to provide specific guidance for construction. Area is not a high seismic area. (Source: Engineers Opinion)
2. Hazardous Facilities (example: power lines, hazardous waste sites, acceptable distance from explosive and flammable hazards including chemical/petrochemical storage tanks, underground fuel storage tanks, and related facilities such as natural gas storage facilities and propane storage tanks)		
☐ No Impact ☐ Beneficial ☒ Adverse	☒ Direct ☐ Indirect ☐ Cumulative	Current Conditions: Identified LUST sites are within the vicinity of the project area near proposed open cut construction. Preferred Alternative Environmental Narrative: The new collection system pipes are planned to be installed adjacent to these location. The project specifications will provide special provisions for soil and groundwater special handling, removal and imported backfill requirements should contaminated soils be encountered. (Source: Montana DEQ LUST database, Engineers Opinion)

No Substantive Comments or Assessments

- Some Mitigated Impacts
  - Leaking Underground Tank Areas and Mitigation
  - Irrigation Permit – DEQ Feedback
  - Storm Water
  - Flood Plain Mapping
  - Railroad and Highway Crossings (Permits)

Decision:

- Environmental Assessment is Acceptable
- Environmental Impact Statement (EIS) is not necessary

The above map captures the four known petroleum releases along the phase 2 area.
Releases 342 and 1994 have been resolved.
Release 1454 is an open, active petroleum release site which is managed by Reed Miner.
Release 2763 is an open, active petroleum release site which is managed by Allen Schiff.
Both project managers have been copied on this e-mail.
Good Luck.

FY 2023 Area Median Income Limits Summary

Phillips County, MT

Persons in Family	1	2	3	4	5	6	7	8
Low (80%) income	47,050	53,800	60,500	**67,200**	72,600	78,000	83,350	88,750
Very low (50%) income	29,400	33,600	37,800	**42,000**	45,400	48,750	52,100	55,450
Extremely Low (30%) income	17,650	20,200	24,860	**30,000**	35,140	40,280	45,420	50,560

100% AMI for a family of 4: $75,700

Source: https://www.huduser.gov/portal/datasets/home-datasets/files/HOME_IncomeLmts_State_MT_2023.pdf (as of 5/15/23)

PROJECT FUNDING STRATEGY

Target Rate Analysis for Grant Eligibility

» Using 2015-2019 American Communities Survey (Department of Commerce)

Medium Household Income (MHI)	**= $42,500**
Department of Commerce Target Rate Threshold:	
Combined Target Rate Sewer & Water	**= $81.46/MO**
Current Sewer & Water Rate	**= $80.00/MO**

Current sewer rates are not keeping pace with expenditures for current operations and maintenance. Rate adjustment is needed to meet expenditures. Recommended minimum increase of $1.46/month

Percent Poverty	**= 21.7%**
Low & Moderate Income (LMI)	**= 55%**

Saco is eligible for MCEP, CDBG Grants

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CDBG – PF Program Summary

- Award amounts up to $750,000 with a 25% match.
- CDBG-PF application period opens once a year, and projects are competitively ranked.
- Lifespan of 4 years from notice of award. Start-up period is 3 months from notice of award.
- Project must meet National Objective to benefit low- to moderate-income persons –**Area Benefit for Saco**
- Project must comply with all applicable federal requirements, including those related to labor, environmental, and historic preservation laws.

CDBG – PF
Application Process

- Two public hearings are required:
    1) Community Needs Assessment Hearing held 4/12/2023.
    2) Tonight's Public Hearing about the proposed project
- Resolution to Apply and Certification for Application: Tonight's Council Agenda

Funding Scenarios

FUNDING OPTIONS FOR TOWN OF SACO PHASE 2 WASTEWATER PROJECT				
ITEM	SCENARIO #1	SCENARIO #2	SCENARIO #3	SCENARIO #4
	MCEP, RRGL, RD Loan (40-yrs, 2%[4])	MCEP, RRGL, RD Loan (40-yrs, 2%[4]), RD Grant	MCEP, RRGL, SRF Loan (20-yrs, 2.5%)	MCEP, RRGL, CDBG
C-2: Phase 2 Collection System Improvements	$1,199,000	$1,199,000	$1,199,000	$1,199,000
T-5: Minor Lagoon Upgrades Only	$176,000	$176,000	$176,000	$176,000
Rounded Total	**$1,375,000**	**$1,375,000**	**$1,375,000**	**$1,375,000**
DNRC Grant	$125,000	$125,000	$125,000	$125,000
MCEP Grant	$500,000	$500,000	$500,000	$500,000
RD Grant/SRF Forgiveness		$212,000		
CDBG Grant				$750,000
RD Loan /SRF Loan	$750,000	$538,000	$750,000	$0
Total Project Funds	**$1,375,000**	**$1,375,000**	**$1,375,000**	**$1,375,000**
SRF Bond Reserve (1/2 year payment)			$24,075	
RD - Interim Interest (loans > $500,000, check rate with RD Staff)	$21,000	$12,500		
Total Loan Amount	**$771,000**	**$550,500**	**$774,075**	**$0**
Annual Loan Payment	$27,450	$19,600	$49,700	$0
Total Loan Payments Over Life of Loan	$1,098,000	$784,000	$994,000	$0
Total Interest Paid Over Life of Loan	**$327,000**	**$233,500**	**$219,925**	**$0**
Annual Loan Coverage	$2,745	$1,960	$4,970	$0
TOTAL ANNUAL CAPITAL DEBT SERVICE COST	**$30,195**	**$21,560**	**$54,670**	**$0**
User Capital Cost/Month [2]	***$17.47***	***$12.48***	***$31.64***	***$0.00***
Current Annual O&M [1]	$45,725	$45,725	$45,725	$45,725
Current Annual Debt Service[1]				
Additional O&M Due To Project				
TOTAL ANNUAL O&M COSTS	**$45,725**	**$45,725**	**$45,725**	**$45,725**
User O&M Cost/Month [2]	***$26.46***	***$26.46***	***$26.46***	***$26.46***
USER COST/MONTH[2]	**$43.94**	**$38.94**	**$58.10**	**$26.46**
Existing Average User Cost/Month/EDU	$25.00	$25.00	$25.00	$25.00
COST/MONTH INCREASE/EDU	**$18.94**	**$13.94**	**$33.10**	**$1.46**
Existing Other System Cost/Month	$55.00	$55.00	$55.00	$55.00
Total Proposed Water & Sewer Cost/Month	$98.94	$93.94	$113.10	$81.46
Combined Systems Target Rate[3]	$81.46	$81.46	$81.46	$81.46
PERCENT OF COMBINED TARGET RATE	**121.5%**	**115.3%**	**138.8%**	**100.0%**

PROJECT FUNDING STRATEGY & BUDGET

PROJECT FUNDING ($1.375 Million Project)

- $500,000 MCEP Grant (Secured)
- $125,000 DNRC Grant (Secured)
- $750,000 CDBG Grant (Proposed project)
- $1.46 Rate Increase minimum

Completed by: Great West Engineering	Town of Saco Wastewater System Improvements			8/27/2023
ADMINISTRATIVE/FINANCIAL COSTS	Source: MCEP Grant	Source: CDBG Grant	Source: DNRC Grant	Total
Personnel Costs	$ 2,000.00		$ -	$ 2,000.00
Office Costs	$ 1,000.00		$ -	$ 1,000.00
Grant & Loan Administration Services	$ 20,000.00	$ 25,000.00	$ -	$ 45,000.00
Legal Costs	$ 1,500.00		$ -	$ 1,500.00
Audit Fees		$ 20,000.00	$ -	$ 20,000.00
Travel & Training	$ 500.00		$ -	$ 500.00
TOTAL ADMINISTRATIVE/FINANCIAL COSTS	$ 25,000.00	$ 45,000.00	$ -	$ 70,000.00
ACTIVITY COSTS:				
Additional Services: MDT/Railroad Permitting/USACE Permit	$ 25,000.00	$ 12,000.00	$ -	$ 37,000.00
Engineering Basic Services (Pre-Design, Final Design, Bid, Const Management, Post Const Management)	$ 30,000.00		$ 125,000.00	$ 155,000.00
Resident Project Representative (RPR)	$ 56,780.00	$ 23,220.00	$ -	$ 80,000.00
Construction	$ 292,740.00	$ 568,260.00	$ -	$ 861,000.00
Contingency	$ 70,480.00	$ 101,520.00	$ -	$ 172,000.00
TOTAL ACTIVITY COSTS	$ 475,000.00	$ 705,000.00	$ 125,000.00	$ 1,305,000.00
TOTAL PROJECT COSTS	$ 500,000.00	$ 750,000.00	$ 125,000.00	$ 1,375,000.00

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IMPLEMENTATION SCHEDULE

Action	Date
Public Hearing on Draft PER & EA, Adopt Resolutions	April, 2022
Complete Final PER	May, 2022
Apply for DNRC and MCEP Grants	May, 2022
DNRC and MCEP Grant Awards	May, 2023
Apply for CDBG Funding	October, 2023
CDBG Award & Contracting	February, 2024
MCEP and DNRC Award and Contracting	February, 2024
Contract for Engineering Services	August, 2024
Survey and Design	October - December, 2024
Permit Application (Railroad)	December, 2024 – March, 2025
Submit Design Plans and Specifications to MDEQ	December, 2024
MDEQ Review & Approval	February, 2025
Bidding Process (advertise period, bid opening)	February - April, 2025
Start Construction	June, 2025
Complete Collection and Treatment System Construction	September, 2025
Project Close Out	December, 2025

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WHERE TO GO FROM HERE

- Public Opinion
  - Is there support for the project?
  - Make a comment

- CDBG Applications – Fall 2023

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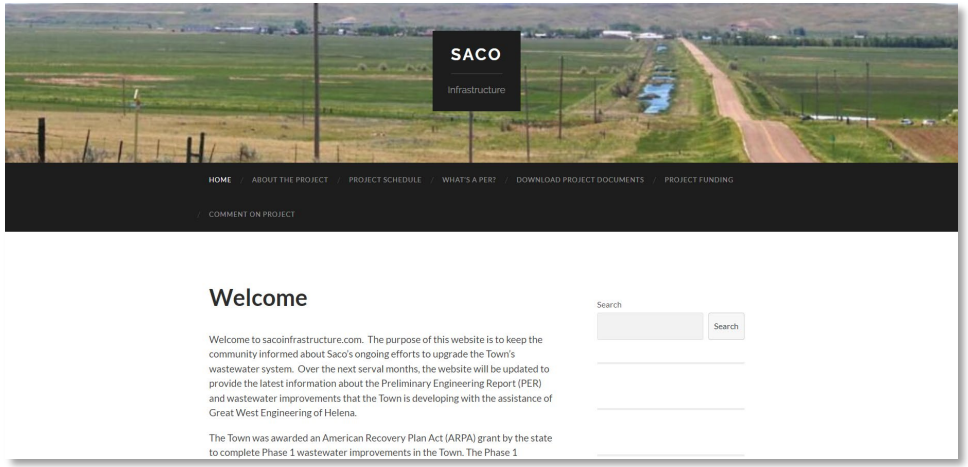
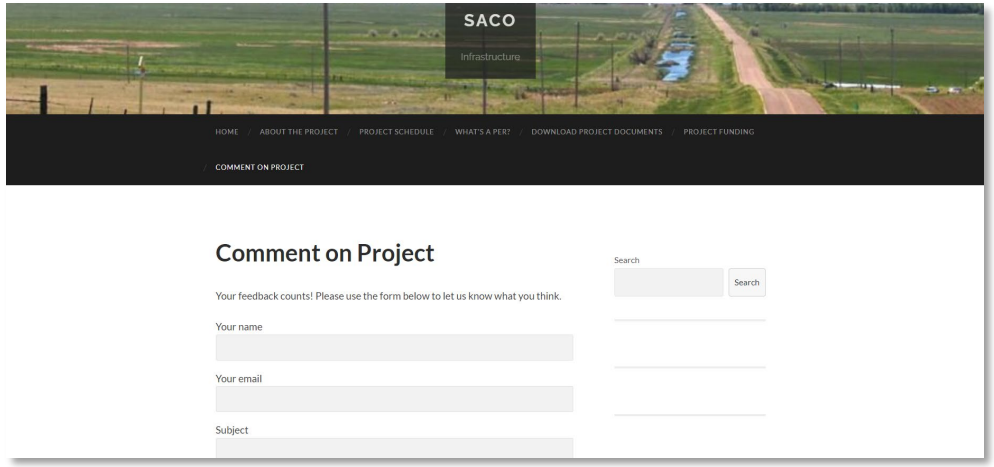
WEBSITE

www.sacoinfrastructure.com





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