

MURPHYS SANITARY DISTRICT

"Dedicated to providing a safe wastewater collection and treatment service at fair and reasonable rates for the community of Murphys, preserving and protecting our environment for future generations."

Regular Board Meeting
Thursday, August 8, 2024
10:00 a.m.



MSD District Office
15 Ernest Street, Suite A
Murphys, CA 95247

AGENDA

Board meetings are open to the public and the following alternative is available for those who wish to participate in the meeting virtually:

Microsoft Teams

[Join the meeting now](#)

Meeting ID: 219 717 008 352

Passcode: qFG6Xz

Dial in by phone

[+1 872-242-9031..59281274#](#) United States, Chicago

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Phone conference ID: 592 812 74#

CALL MEETING TO ORDER\ PLEDGE OF ALLEGIANCE

1. **Roll Call**
2. **Agenda Changes/Agenda Approval**
3. **Public Comment** (*Limit 5 minutes per person*) on items not appearing on agenda. At this time, members of the public may address the Board on any non-agendized item. The public is encouraged to work through staff to place items on the agenda for Board consideration. No action can be taken on matters not listed on the agenda.
4. **Consent Agenda** - *The following items are expected to be routine non-controversial. Items will be acted upon by the Board at one time without discussion. Any Board member, staff member, or interested party may request that any item be removed for later discussion.*
 - a) Regular Meeting Minutes-June 13, 2024
 - b) Financial Reports-Ending June 30, 2024 & July 31, 2024

2023/2024 BOARD OF DIRECTORS

Paige McMath-Jue, President | Steve Gonzales, Vice President | Marty Mollera, Secretary
Joseph Fontana, Treasurer | Bruce Miller, Parliamentarian

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5. New Business

*The Board may consider the items below and take action at this meeting. Public comment is allowed on each individual agenda item listed below, and such comment will be considered in advance of each Board action. *Indicates Staff Report*

- a) Adoption of Resolution 2024-08 Approving the Capital Improvement Plan-Presentation Discussion/Action*
- b) Adoption of Resolution 2024-06 Authorizing Administration Manager as Application Representative-Discussion/Action*
- c) Adoption of Resolution 2024-07 Approving Salary Schedule Policy and Compensation Schedule-Discussion/Action*
- d) Tuolumne-Stanislaus IRWMA Membership Renewal-Discussion/Action

6. Unfinished Business

Items tabled or carried forward from a previous meeting to be considered on this agenda. Public comment is allowed on each individual agenda item listed below, and such comment will be considered in advance of each Board action.

- a) Church Street Project-Discussion/Action

7. Committee Reports

Informational reports on committee meetings. Public comment is allowed on each agenda item listed below. Committees may recommend a future item be placed on the next meeting agenda for Board action.

- a) Finance Committee- Director Fontana

8. Staff Reports

Brief reports of information on matters of general interest. Public comment is allowed on each agenda item listed below. No action will be taken by the Board during Staff Reports.

- a) Administration Report
- b) Operations Report

9. Board/Staff Correspondence

Correspondence is informational only. Public comment is allowed on each agenda item listed below. No action will be taken by the Board.

- a) Letter from UTICA General Manager Joel Metzger
- b) Letter from Murphys Sanitary District Customer Patty and Jan Schulz
- c) Letter from California Department of Finance

10. Future Agenda Items/Director Comments

Board members and/or staff can comment on district business or request a future item be placed on the next meeting agenda. Public comment is allowed on any future agenda item or director comment. No action will be taken by the Board.

11. **Next Regular/Special Meeting:** Regular Meeting September 12, 2024, 10:00 a.m.

12. **ADJOURN TO CLOSED SESSION**-Public comment is allowed on closed session items listed below before convening the closed session.

- a) Public Employee Evaluation (Government Code 54957)
Title: Operations Manager
Title: Administration Manager

13. RETURN FROM CLOSED SESSION

2023/2024 BOARD OF DIRECTORS

Paige McMath-Jue, President | Steve Gonzales, Vice President | Marty Mollera, Secretary

Joseph Fontana, Treasurer | Bruce Miller, Parliamentarian

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a) Reportable Actions in Closed Session

Adjournment

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the **Murphys Sanitary District at 209-728-3094**. Notification in advance of the meeting will enable MSD to make reasonable arrangements to ensure accessibility to this meeting. Any documents that are made available to the Board before or at the meeting, not privileged or otherwise protected from disclosure, and related to agenda items, will be made available at MSD for review by the public.

2023/2024 BOARD OF DIRECTORS

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Joseph Fontana, Treasurer | Bruce Miller, Parliamentarian

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Murphys Sanitary District



**MINUTES – Regular Board Meeting
Thursday, June 13, 2024
15 Ernest St Ste. A
Murphys, Ca 95247**

CALL MEETING TO ORDER

PLEDGE OF ALLEGIANCE

1. Roll Call

Directors Present

Director Miller; Director Fontana; Director Meller; Director Gonzales & President McMath-Jue

Staff Present

K. Fillmore, Admin. Manager; D. Murphy, Operations Manager; & A. Milliken, Accounting Clerk

Public Present

Sara (Mozingo Representative)

2. Agenda Changes – Request to move Line Item 5d ahead of Line Item 5a w/no objections.

3. Public Comment – None

4. Consent Agenda

- a) Regular Meeting Minutes-May 9, 2024
- b) Finance Meeting Minutes-May 22, 2024 & May 24, 2024
- c) Financial Reports-Ending May 31, 2024

Motion: Motion: Director J. Fontana & President P. McMath-Jue motion to accept the Consent Agenda as presented; Regular Meeting Minutes, May 9, 2024, Financial Meeting Minutes May 22 & May 24, 2024 and Financial Reports ending May 31, 2024:

Approved 5-0

2023/2024 BOARD OF DIRECTORS

**Paige McMath-Jue, President | Steve Gonzales, Vice President | Marty Meller, Secretary
Joseph Fontana, Treasurer | Bruce Miller, Parliamentarian**

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5. New Business

- a) Adoption of Resolution 2024-04 2024/2025 Fiscal Budget – *See Line Item 5b*

***Approval of Bid package Award for Church Street Project – Discussion Only, Staff directed to contact Contractor and Engineer regarding the Bid Package Cost VS Engineering Cost, bring back to the Board for review and schedule a Special Meeting.**

- b) Approval of Bid Package Award for Church Street Project – *See Line Item 5a*

***Adoption of Resolution 2024-04 2024/2025 Fiscal Budget – Discussion, Staff directed to revise the proposed salary schedule chart; Bring back a longevity schedule for review & approval.**

Motion: President P. McMath-Jue & Director J. Fontana motion to Adopt Resolution 2024-04 2024/2025 Fiscal Budget, Option 2 as presented with the 5% Merit increase and to bring back a sample budget including the longevity bonus for future consideration: Approved 5-0

- c) Review of Proposed Salary Step and Longevity Schedule – *Discussion only, bring back to board for future discussion..*
- d) Approval for President McMath-Jue to attend CSDA GM Summit

Motion: Directors J. Fontana & B. Miller motion to approve President McMath-Jue to attend the CSDA GM Summit: Approved 5-0

6. Unfinished Business - None

7. Committee Reports

- a) Finance Committee – *Summary included w/Board Packet, brief discussion – Finance Committee directed to look into investment term options and bring back to the Board a report for consideration.*

8. Staff Reports

- a) Administration Report – *Information Only*
- b) Operations Report – *Information Only*

9. Future Agenda Items/Director Comments - Revisit 2024/2025 Fiscal Budget; Longevity Incentives including schedule; Bid Package, Church Street Project; Finance Committee Investment Term options if available

2023/2024 BOARD OF DIRECTORS

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10. Next Regular/Special Meeting: Regular Meeting July 11, 2024, 10:00 a.m.

11. ADJOURN TO CLOSED SESSION – 11:43 a.m.

Public Employee Performance Evaluation (Government Code Section 54957)

- Title: Operations Manager
- Title: Administration Manager

12. RETURN FROM CLOSED SESSION – 12:01 p.m.

No Reportable Action

13. Adjournment – 12:03 p.m.

Respectfully;

Amy R Milliken, Clerk of the Board

Director Marty Mellerera, Secretary

2023/2024 BOARD OF DIRECTORS

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Joseph Fontana, Treasurer | Bruce Miller, Parliamentarian

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**Murphys Sanitary Distict
Account Balance Summary**

June 30, 2024

	Rates	
El Dorado Savings Bank	.02%	113,459.74
Cash Drawer		200.00
 District Investments		
CA Class Discretionary	5.41%	667,146.16
CA Class Equip R&R	5.41%	406,685.08
LAIF	4.30%	58,234.39
UBS T-Bill #1 7/11/24	5.13%	200,000.00
UBS T-Bill #2 09/12/2024	5.20%	200,000.00
UBS T-Bill #3 08/08/2024	5.20%	200,000.00
UBS CD 06/24/2025	5.30%	44,000.00
UBS CD 06/04/2025	5.40%	224,000.00
UBS CD 06/17/2025	5.45%	200,000.00
UBS CD 11/15/2024	5.80%	200,000.00
Total Investments		2,400,065.63
 Balance Ending June 30, 2024		 2,513,725.37

Murphys Sanitary District
Budget Performance
 July 2023 through June 2024

	<u>Jul '23 - Jun 24</u>	<u>YTD Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>Annual Budget</u>
Income					
Monthly Billing	907,102.21	894,954.00	12,148.21	101.36%	894,954.00
Misc Income	299,855.12	248,800.00	51,055.12	120.52%	248,800.00
Reserves	-100,000.00				
Total Income	1,106,957.33	1,143,754.00	-36,796.67	96.78%	1,143,754.00
Total	1,106,957.33	1,143,754.00	-36,796.67	96.78%	1,143,754.00
Expense					
Wages	365,036.83	364,039.00	997.83	100.27%	364,039.00
Employee Benefits	185,511.61	192,607.00	-7,095.39	96.32%	192,607.00
PR Taxes	30,987.71	38,500.00	-7,512.29	80.49%	38,500.00
WORKERS' COMPENSATION	10,002.18	16,723.00	-6,720.82	59.81%	16,723.00
OPERATIONS - Maint & Repairs	9,454.77	13,500.00	-4,045.23	70.04%	13,500.00
OPERATIONS - Supplies	37,327.42	56,350.00	-19,022.58	66.24%	56,350.00
OPERATIONS - Utilities	87,995.82	79,500.00	8,495.82	110.69%	79,500.00
OPERATIONS - Other	35,215.95	34,250.00	965.95	102.82%	34,250.00
ADMINISTRATIVE - Rents - Leases	720.00	720.00	0.00	100.0%	720.00
ADMINISTRATIVE - Supplies	11,548.72	11,100.00	448.72	104.04%	11,100.00
ADMINISTRATIVE - Utilities	7,450.10	8,700.00	-1,249.90	85.63%	8,700.00
ADMINISTRATIVE - Other	22,452.91	21,940.00	512.91	102.34%	21,940.00
ADMINISTRATIVE - Insurance	36,662.64	35,000.00	1,662.64	104.75%	35,000.00
ADMINISTRATIVE - Professional	46,360.51	34,700.00	11,660.51	133.6%	34,700.00
ADMINISTRATIVE - License-Permit	39,728.00	41,300.00	-1,572.00	96.19%	41,300.00
ADMINISTRATIVE - Advertising	461.18	1,250.00	-788.82	36.89%	1,250.00
ADMINISTRATIVE - Debt Service	43,670.48	44,000.00	-329.52	99.25%	44,000.00
Total Expense	970,586.83	994,179.00	-23,592.17	97.63%	994,179.00
Net Ordinary Income	136,370.50	149,575.00	-13,204.50	91.17%	149,575.00
Other Income					
CAPITAL INCOME	110,000.00	193,586.00	-83,586.00	56.82%	193,586.00
Total Other Income	110,000.00	193,586.00	-83,586.00	56.82%	193,586.00
Other Expense					
CAPITAL EXPENDITURES	208,566.37	726,500.00	-517,933.63	28.71%	726,500.00
Total	208,566.37	726,500.00	-517,933.63	28.71%	726,500.00
Net Other Income	-98,566.37	-532,914.00	434,347.63	18.5%	-532,914.00
	37,804.13	-383,339.00	421,143.13	-9.86%	-383,339.00

Murphys Sanitary District
Expense Disbursement Report
 June 2024

Date	Num	Name	Memo	Amount
Jun 24				
06/13/2024	ACH	CalPERS	Retirement Contributions	-2,817.28
06/13/2024	ACH	EDD	Payroll Tax Liabilities	-678.33
06/13/2024	ACH	EFTPS Federal Taxes	Payroll Tax Liabilities	-3,321.90
06/30/2024	ACH	Vanco Services	Vanco Monthly Service Fee	-115.75
06/03/2024	11174	AT&T Internet - Six Mile	Internet - Six Mile	-53.50
06/03/2024	11175	Mountain Oasis Water	Drinking Water	-80.30
06/03/2024	11176	Landscaper Alfredo Leon Martinez	Yard maintenance Office Buildi...	-200.00
06/04/2024	11177	Alpha	Research & Monitoring	-215.00
06/04/2024	11178	Hansford Economic Consulting LLC	Rate Study - Clerical	-1,175.00
06/10/2024	11179	Cal Waste Management	Six Mile Rd - Garbage/Waste P...	-185.94
06/10/2024	11180	Calaveras Lumber	Supplies/Materials	-1,394.01
06/10/2024	11181	Calaveras Power Agency	WWTP Electric	-5,041.85
06/10/2024	11182	Condor Earth Technologies, Inc	Groundwater Research & Monit...	-3,560.75
06/10/2024	11183	Modesto Welding Products	Argon Rental & Oxygen Charges	-16.00
06/10/2024	11184	Mother Lode Answering Service	Answering Service	-334.00
06/10/2024	11185	The Red Store	Misc Supplies - Fencing Supplies	-167.86
06/11/2024	11186	BOR0002	BOR0002 - Sold - Overpaymen...	-60.00
06/13/2024	11187	Fillmore, Kristina V	Payroll 06-13-2024	-2,150.64
06/13/2024	11188	Hemstad, Eric N	Payroll 06-13-2024	-1,976.20
06/13/2024	11189	Milliken, Amy R	Payroll 06-13-2024	-1,001.05
06/13/2024	11190	Murphy, Daniel W.	Payroll 06-13-2024	-3,013.73
06/13/2024	11191	Onstad, Joseph C	Payroll 06-13-2024	-2,329.54
06/13/2024	11192	Schroeder, Teri L	Payroll 06-13-2024	-541.92
06/25/2024	11193	AALR & R Attorneys at Law	General Counsel	-2,652.30
06/18/2024	11194	PGE-Emerald Creek Pump Station	Emerald Creek - Electric	-184.07
06/18/2024	11195	PGE-Office	Office - Electric	-137.07
06/25/2024	11196	CALCAD	GIS System Upgrades	-5,325.00
06/25/2024	11197	CALNET	Murphys Grade Access Line -A...	-29.23
06/25/2024	11198	UPUD	735 Six Mile Rd - Water	-217.24
06/25/2024	11199	UPUD	735 Six Mile Rd - M Water	-143.48
06/25/2024	11200	UPUD	26 Emerald Ct - M	-115.86
06/25/2024	11201	UPUD	15 Ernest St - M Water	-83.31
06/26/2024	11202	US Bank	Business Card	-6,340.77
06/26/2024	11203	Carbon Copy	Office - Copy Machine	-30.27
06/26/2024	11204	Comcast- Emerald Creek	Emerald Creek - Alarm Access	-110.40
06/26/2024	11205	Comcast Business	Office - Internet/Phone	-196.47
06/26/2024	11206	Carbon Copy	Six Mile - Copy Machine	-21.26
06/26/2024	11208	Vestis	Uniform/Laundry Service	-222.32
06/26/2024	11209	BOR0002	BOR0002 Sold Partial month r...	-20.00
06/27/2024	11210	Fillmore, Kristina V	Payroll 06-27-2024	-2,363.49
06/27/2024	11211	Hemstad, Eric N	Payroll 06-27-2024	-1,761.53
06/27/2024	11212	Milliken, Amy R	Payroll 06-27-2024	-1,001.06
06/27/2024	11213	Murphy, Daniel W.	Payroll 06-27-2024	-3,013.72
06/27/2024	11214	Onstad, Joseph C	Payroll 06-27-2024	-2,678.00
06/27/2024	11215	Schroeder, Teri L	Payroll 06-27-2024	-640.43
06/27/2024	11216	Fontana., Joseph	Meeting Stipend	-136.87
06/27/2024	11217	Gonzales, Steven M	Meeting Stipend	-91.25
06/27/2024	11218	Miller, Lloyd B	Meeting Stipend	-136.88
06/27/2024	11219	Paige Mc Math-Jue	Mileage to Sacramento Airport ...	-132.66
06/28/2024	11220	Hemstad, Eric N	Vacation Payout	-927.58
06/28/2024	11221	Onstad, Joseph C	Vacation Payout	-1,379.50

Jun 24

Murphys Sanitary District
Credit Card Transactions by Account
As of June 30, 2024

Type	Date	Name	Memo	Paid Amount	Balance
US Bank Credit Card					5,781.77
Credit Card ...	06/04/2024	USPO	Postage	204.00	5,985.77
Credit Card ...	06/04/2024	Southwest Airlines	Air Travel to Conference - Kristina	357.96	6,343.73
Credit Card ...	06/04/2024	Southwest Airlines	Air Travel to Conference - P. McMat...	357.96	6,701.69
Credit Card ...	06/05/2024	Microsoft	Software	132.00	6,833.69
Credit Card ...	06/05/2024	Adobe	Memberships	19.99	6,853.68
Credit Card ...	06/06/2024	Sierra Hills Market	Misc Supplies	12.85	6,866.53
Credit Card ...	06/07/2024	Chevron	Fuel	146.87	7,013.40
Credit Card ...	06/09/2024	Parcel Quest	Software	199.95	7,213.35
Credit Card ...	06/10/2024	Tractor Supply	Lawn Mower	29.08	7,242.43
Credit Card ...	06/13/2024	Chevron	Fuel	89.82	7,332.25
Credit Card ...	06/17/2024	Amazon	Idler Pulley Lawn Mower	39.67	7,371.92
Credit Card ...	06/17/2024	Shell	Fuel	46.74	7,418.66
Credit Card ...	06/18/2024	DEll Business Online	Laptop - Admin Clerk	1,331.62	8,750.28
Credit Card ...	06/20/2024	Chevron	Fuel	71.19	8,821.47
Credit Card ...	06/20/2024	Gabby's	Lunch & learn	61.68	8,883.15
Credit Card ...	06/21/2024	AT & T Wireless	Wireless Service - Operations	288.11	9,171.26
Credit Card ...	06/24/2024	Uber	GM Summit	9.99	9,181.25
Credit Card ...	06/24/2024	Uber	GM Summit	20.00	9,201.25
Credit Card ...	06/24/2024	Uber	GM Summit	41.25	9,242.50
Credit Card ...	06/24/2024	M&S Grill Anaheim	GM Summit	64.88	9,307.38
Credit Card ...	06/25/2024	Amazon	Memberships	16.08	9,323.46
Credit Card ...	06/25/2024	Intuit	Payroll Software	66.00	9,389.46
Credit Card ...	06/25/2024	Uber	GM Summit	10.00	9,399.46
Credit Card ...	06/25/2024	Uber	GM Summit	12.17	9,411.63
Credit Card ...	06/25/2024	Sacramento Airport	GM Summit	57.00	9,468.63
Credit Card ...	06/25/2024	Uber	GM Summit	10.00	9,478.63
Credit Card ...	06/25/2024	Uber	GM Summit	34.76	9,513.39
Credit Card ...	06/25/2024	JW Marriot	GM Summit - Kristina	497.31	10,010.70
Credit Card ...	06/25/2024	JW Marriot	GM Summit - President McMath-Jue	490.44	10,501.14
Credit Card ...	06/26/2024		Overcharge Returned - CWRA	-575.00	9,926.14
Check	06/26/2024	US Bank	Business Card	-6,340.77	3,585.37
Credit Card ...	06/26/2024	Amazon	Membership	16.08	3,601.45
Credit Card ...	06/26/2024	Amazon	Wireless Router	168.14	3,769.59
Credit Card ...	06/27/2024	CSDA	Board Secretary Conference 2024 -	1,320.00	5,089.59
Credit Card ...	06/27/2024	Amazon	Window Envelopes - Billing	148.19	5,237.78
Credit Card ...	06/27/2024	CWEA	E Hemstad	221.00	5,458.78
Credit Card ...	06/27/2024	CWEA	Education	110.00	5,568.78
Credit Card ...	06/27/2024	Hammer Down Repair	Tractor Repair	756.23	6,325.01
Credit Card ...	06/28/2024	Amazon	Misc Supplies - Chemicals	78.97	6,403.98
Total US Bank Credit Card				622.21	6,403.98
TOTAL				622.21	6,403.98

**Murphys Sanitary Distict
Account Balance Summary**

July 31, 2024

	Rates	
El Dorado Savings Bank	.02%	33,540.21
Cash Drawer		200.00
 District Investments		
CA Class Discretionary	5.41%	408,552.30
CA Class Equip R&R	5.41%	670,209.24
LAIF	4.30%	58,891.45
UBS T-Bill #1 01/09/2025	5.13%	200,000.00
UBS T-Bill #2 09/12/2024	5.20%	200,000.00
UBS T-Bill #3 08/08/2024	5.20%	200,000.00
UBS CD 06/24/2025	5.30%	44,000.00
UBS CD 06/04/2025	5.40%	224,000.00
UBS CD 06/17/2025	5.45%	200,000.00
UBS CD 11/15/2024	5.80%	200,000.00
Total Investments		2,405,652.99
 Balance Ending July 31, 2024		 2,439,393.20

Murphys Sanitary District
Budget Performance
July 2024 through June 2025

	Jul '24 - Jun 25	YTD Budget	\$ Over Budget	% of Budget	Annual Budget
Income					
Monthly Billing	75,013.11	915,404.00	-840,390.89	8.2%	915,404.00
Misc Income	15,208.37	252,700.00	-237,491.63	6.02%	252,700.00
Total Income	90,221.48	1,168,104.00	-1,077,882.52	7.72%	1,168,104.00
Total	90,221.48	1,168,104.00	-1,077,882.52	7.72%	1,168,104.00
Expense					
Wages	31,575.55	421,920.00	-390,344.45	7.48%	421,920.00
Employee Benefits	26,197.94	247,712.00	-221,514.06	10.58%	247,712.00
PR Taxes	2,627.36	35,000.00	-32,372.64	7.51%	35,000.00
WORKERS' COMPENSATION	11,025.67	11,250.00	-224.33	98.01%	11,250.00
OPERATIONS - Maint & Repairs	138.26	14,500.00	-14,361.74	0.95%	14,500.00
OPERATIONS - Supplies	6,323.83	50,850.00	-44,526.17	12.44%	50,850.00
OPERATIONS - Utilities	6,396.47	99,000.00	-92,603.53	6.46%	99,000.00
OPERATIONS - Other	670.33	33,700.00	-33,029.67	1.99%	33,700.00
ADMINISTRATIVE - Rents - Leases	720.00	720.00	0.00	100.0%	720.00
ADMINISTRATIVE - Supplies	4,534.31	14,160.00	-9,625.69	32.02%	14,160.00
ADMINISTRATIVE - Utilities	730.14	8,050.00	-7,319.86	9.07%	8,050.00
ADMINISTRATIVE - Other	3,031.25	19,100.00	-16,068.75	15.87%	19,100.00
ADMINISTRATIVE - Insurance	39,588.38	40,000.00	-411.62	98.97%	40,000.00
ADMINISTRATIVE - Professional	2,312.75	66,730.00	-64,417.25	3.47%	66,730.00
ADMINISTRATIVE - License-Permit	0.00	41,000.00	-41,000.00	0.0%	41,000.00
ADMINISTRATIVE - Advertising	0.00	2,500.00	-2,500.00	0.0%	2,500.00
ADMINISTRATIVE - Debt Service	0.00	43,671.00	-43,671.00	0.0%	43,671.00
Total Expense	135,872.24	1,149,863.00	-1,013,990.76	11.82%	1,149,863.00
Net Ordinary Income	-45,650.76	18,241.00	-63,891.76	-250.27%	18,241.00
Other Income					
CAPITAL INCOME	0.00	18,241.00	-18,241.00	0.0%	18,241.00
Total Other Income	0.00	18,241.00	-18,241.00	0.0%	18,241.00
Other Expense					
CAPITAL EXPENDITURES	11,730.43	586,500.00	-574,769.57	2.0%	586,500.00
Total Other Expense	11,730.43	586,500.00	-574,769.57	2.0%	586,500.00
Net Other Income	-11,730.43	-568,259.00	556,528.57	2.06%	-568,259.00
	-57,381.19	-550,018.00	492,636.81	10.43%	-550,018.00

Murphys Sanitary District Expense Disbursement Report July 2024

	Date	Num	Name	Memo	Amount
Jul 24	07/01/2024	ACH	Streamline	Annual Membership & Support	-1,200.00
	07/01/2024	ACH	CalPERS	Retirement Contributions	-2,828.41
	07/01/2024	ACH	EDD	Payroll Tax Liabilities	-709.79
	07/01/2024	ACH	EFTPS Federal Tax...	Payroll Tax Liabilities	-3,912.26
	07/02/2024	ACH	SDRMA	Health Benefits	-10,367.04
	07/10/2024	ACH	SDRMA	Workers Compensation-Annual...	-11,025.67
	07/10/2024	ACH	SDRMA	General Liability-Annual Premi...	-39,588.38
	07/12/2024	ACH	CalPERS	Retirement Contributions	-3,068.90
	07/12/2024	ACH	EDD	Payroll Tax Liabilities	-749.01
	07/12/2024	ACH	EFTPS Federal Tax...	Payroll Tax Liabilities	-3,736.06
	07/30/2024	ACH	CalPERS	Retirement Contributions	-3,080.69
	07/09/2024	ACH	Vanco Services	Monthly Service Fees	-111.25
	07/30/2024	E-pay	EDD	925 0399 4 QB Tracking # -663...	-0.01
	07/30/2024	E-pay	EFTPS Federal Tax...	94-1569552 QB Tracking # -66...	-0.01
	07/30/2024	E-pay	EDD	925 0399 4 QB Tracking # -662...	-756.53
	07/30/2024	E-pay	EFTPS Federal Tax...	94-1569552 QB Tracking # -66...	-3,795.66
	07/01/2024	11222	Mountain Oasis Wa...	Drinking Water	-99.10
	07/01/2024	11223	CRWA	Annual Membership - 2024/2025	-945.00
	07/01/2024	11224	AT&T Internet - Six ...	Internet - Six Mile	-53.50
	07/02/2024	11225	HAY0003	HAY0003 -Sold Partial Month ...	-20.00
	07/02/2024	11226	Alpha	Research & Monitoring	-385.00
	07/02/2024	11227	Landscaper Alfredo ...	Yard maintenance Office Buildi...	-200.00
	07/02/2024	11228	Jay Ashley	Set up new Router	-72.50
	07/03/2024	11229	Jay Ashley	Full Computer & Software Set ...	-375.00
	07/03/2024	11230	Cal Waste Manage...	735 Six Mile Rd - Waste	-185.94
	07/03/2024	11231	Desiree McDaniel	Notary/lien	-15.00
	07/08/2024	11232	Hansford Economic...	Rate Study - Consulting	-1,458.75
	07/08/2024	11233	Mother Lode Answe...	Answering Service	-334.00
	07/08/2024	11234	MGR Lease - Judy ...	Murphys Grade Rd - Lease	-240.00
	07/08/2024	11235	MGR Lease - Richa...	Murphys Grade Rd - Lease	-240.00
	07/08/2024	11236	MGR Lease - Ronal...	Murphys Grade Rd - Lease	-240.00
	07/09/2024	11237	HUB0003	HUB0003 - Sold Partial Month ...	-4.00
	07/09/2024	11238	Calaveras Power A...	WWTP Electric	-5,293.15
	07/09/2024	11239	Modesto Welding P...	Argon/Co2 Rental	-16.00
	07/09/2024	11240	Mountain Oasis Wa...	Drinking Water - Six mile	-14.75
	07/09/2024	11241	The Red Store	Misc Supplies: Concrete; Sprin...	-184.63
	07/09/2024	11242	SEL0003	SEL0003 - Sold Partial Month ...	-10.00
	07/10/2024	11243	Fillmore, Kristina V	Payroll 07/10/2024	-2,403.70
	07/10/2024	11244	Hemstad, Eric N	Payroll 07/10/2024	-2,085.24
	07/10/2024	11245	Milliken, Amy R	Payroll 07/10/2024	-1,226.98
	07/10/2024	11246	Murphy, Daniel W.	Payroll 07/10/2024	-3,171.90
	07/10/2024	11247	Onstad, Joseph C	Payroll 07/10/2024	-2,404.63
	07/10/2024	11248	Schroeder, Teri L	Payroll 07/10/2024	-688.29
	07/10/2024	11249	Northstar Chemical	Chemicals/Treatment	-2,620.46
	07/12/2024	11250	Vestis	Laundry Service	-225.32
	07/12/2024	11251	Black Water Consul...	CIP Update	-5,801.50
	07/12/2024	11252	Black Water Consul...	Church Street Sewer Improvem...	-2,484.00
	07/15/2024	11253	SEL0003	SEL0003 Overpayment Return...	-60.00
	07/15/2024	11254	UPUD	735 Six Mile Rd	-217.24
	07/15/2024	11255	UPUD	735 Six Mile Rd -M	-101.73
	07/15/2024	11256	UPUD	26 Emerald CT - M	-83.25
	07/15/2024	11257	UPUD	15 Ernest St - M	-85.02
	07/16/2024	11258	US Bank	Business Card	-6,686.48
	07/16/2024	11259	Western Utilities Un...	2024-2025 Annual Memebrshi...	-60.00
	07/16/2024	11260	Calaveras County A...	Parcel Files	-60.00
	07/16/2024	11261	Calaveras Lumber	Materials/Supplies	-722.18
	07/17/2024	11262	AALR & R Attorney...	General Counsel	-346.50
	07/17/2024	11263	Pegboard	Return Envelopes	-829.32
	07/17/2024	11264	PGE-Emerald Cree...	Emerald Creek Pump Station - ...	-408.15
	07/17/2024	11265	PGE-Office	Office Electric	-223.29
	07/17/2024	11266	Calaveras Lumber	TP - Simple Green/ Powder Gr...	-20.99
	07/17/2024	11267	Calaveras Lumber	Materials/Supplies	-77.45
	07/18/2024	11268	ATK0001	ATK0001 Refund Overpayment...	-510.00
	07/18/2024	11269	BIS0002	BIS0002 Refund overpayment ...	-240.00
	07/18/2024	11270	BOT0008	BOT0008 Refund overpayment...	-60.00
	07/18/2024	11271	CEL0002	CEL0002 Refund overpayment...	-74.00
	07/18/2024	11272	DIM0001	DIM0001 Refund overpayment ...	-96.00

Date	Num	Name	Memo	Amount
07/18/2024	11273	GAN0001	GAN0001 Refund overpayment...	-10.00
07/18/2024	11274	HOW0003	HOW0003 Refund overpaymen...	-78.70
07/18/2024	11275	MEL0002	MEL0002 Overpayment Return...	-60.00
07/18/2024	11276	MEN0001	MEN0001 Overpayment Return...	-151.04
07/18/2024	11277	PET0007	PET0007 Refund Overpayment...	-60.00
07/18/2024	11278	RUC0002	RUC0002 Overpayment Return...	-44.00
07/18/2024	11279	SPA0001	SPA0001 Overpayment returne...	-440.00
07/18/2024	11280	TAN0007	VOID: TAN0007 Overpayment ...	0.00
07/18/2024	11281	TAN0007	TAN0007 TAN0007 Overpaym...	-120.00
07/18/2024	11282	BIR0001	BIR0001 Overpayment Returne...	-235.00
07/18/2024	11283	SMI0002	SMI0002 Overpayment returne...	-60.00
07/18/2024	11284	COA0001	COA0001 Overpayment Return...	-60.00
07/18/2024	11285	CON0002	CON0002 Overpayment return...	-60.00
07/18/2024	11286	GER0003	GER0003 Overpayment Return...	-20.00
07/18/2024	11287	HAR0001	HAR0001 Overpayment Return...	-100.00
07/18/2024	11288	HER0004	HER0004 Overpayment return...	-60.00
07/18/2024	11289	HOW0007	HOW0007 Overpayments retur...	-3.00
07/18/2024	11290	KRA0002	KRA0002 Waved Late Fees	-18.00
07/18/2024	11291	LUN0001	LUN0001 Overpayment returne...	-60.00
07/18/2024	11292	RED0002	VOID: RED0002 Overpayemnt ...	0.00
07/18/2024	11293	SAB0001	SAB0001 Overpayment Return...	-60.00
07/18/2024	11294	SAN0002	SAN0002 Overpayment Return...	-60.00
07/18/2024	11295	SCH0013	SCH0013 Overpayment return...	-60.00
07/18/2024	11296	TAR0002	TAR0002 Overpayment Return...	-60.00
07/18/2024	11297	WYC0001	VOID: WYC0001 Overpayment...	0.00
07/18/2024	11298	WYC0001	WYC0001 Overpayment return...	-21.01
07/22/2024	11299	MAC0003	MAC0003 Overpayment Return...	-240.00
07/22/2024	11300	CALNET	Murphys Grade - Alarm Access...	-31.26
07/22/2024	11301	Comcast Business	Office - Phone/ Internet	-196.83
07/22/2024	11302	HUD0001	HUD0001 Overpayment Return...	-60.00
07/22/2024	11303	Carbon Copy	Copy Machine - Six Mile Rd	-11.11
07/22/2024	11304	Signal Service	Alarm Service	-445.80
07/22/2024	11305	Carbon Copy	Office - Copy Machine	-25.76
07/22/2024	11306	SCH0003	SCH0003 Overpayment Return...	-60.00
07/22/2024	11307	USA North	Annual Memberships 2024/2025	-300.00
07/23/2024	11308	FUL0003	FUL0003 Overpayment Retune...	-60.00
07/23/2024	11309	DEL0003	DEL0003 Overpayment Return...	-60.00
07/23/2024	11310	DUJ0001	DUJ0001 Overpayment Return...	-60.00
07/23/2024	11311	HIG0003	HIG0003 Overpayment Return...	-60.00
07/23/2024	11312	RAE0001	RAE0001 Overpayment Retur...	-20.00
07/23/2024	11313	PAL0005	PAL0005 Overpayment Return...	-60.00
07/23/2024	11314	PAL0006	PAL0006 Overpayment Return...	-60.00
07/24/2024	11315	Black Water Consul...	CIP Update	-3,635.00
07/24/2024	11316	Fillmore, Kristina V	Payroll 07/24/2024	-2,298.65
07/24/2024	11317	Hemstad, Eric N	Payroll 07/24/2024	-2,295.76
07/24/2024	11318	Miliken, Amy R	Payroll 07/24/2024	-1,425.29
07/24/2024	11319	Murphy, Daniel W.	Payroll 07/24/2024	-3,171.91
07/24/2024	11320	Onstad, Joseph C	Payroll 07/24/2024	-2,341.36
07/24/2024	11321	Schroeder, Teri L	Payroll 07/24/2024	-688.29
07/29/2024	11322	Power Business Te...	Postage Machine	-3,376.23
07/30/2024	11323	HUB0003	HUB0003 Overpayment Return...	-60.00

Jul 24

Murphys Sanitary District
Credit Card Transactions by Account
As of July 31, 2024

Type	Date	Name	Memo	Paid Amount	Balance
US Bank Credit Card					6,403.98
Credit Card ...	07/03/2024	Staples	Copy Paper	96.50	6,500.48
Credit Card ...	07/04/2024	Intuit	Software	54.00	6,554.48
Credit Card ...	07/05/2024	Microsoft	Software	66.00	6,620.48
Credit Card ...	07/05/2024	Microsoft	Software	66.00	6,686.48
Check	07/16/2024	US Bank	Business Card	-6,686.48	0.00
Total US Bank Credit Card				-6,403.98	0.00
TOTAL				-6,403.98	0.00



STAFF REPORT

DATE: August 8, 2024
TO: Members of the Board
FROM: Kristina Fillmore, Administration Manager
SUBJECT: Adoption of Resolution 2024-08 Approving the Updated Capital Improvement Plan (CIP), August 2024

Recommended Action:

Staff recommend adoption of Resolution 2024-08 approving the updated Capital Improvement Plan (CIP), August 2024.

Background:

The Capital Improvement Program was last updated and approved in August of 2022. Due to the cost of rising material and supplies mixed with inflation the project costs have increased over the last two years.

Project costs have been reevaluated for current market value. Reprioritized existing projects and new projects.

Fiscal Impact:

If the District is awarded with any grant or a loan and grant combination from USDA, it would offer some financial support for essential projects identified in the Capital Improvement Plan (CIP) and help lessen the financial burden for the District.

RESOLUTION NO. 2024-08

Resolution of the Board of Directors of Murphys Sanitary District Adopting the Updated Capital Improvement Plan, August 2024

Whereas the Board of Directors of Murphys Sanitary District has received, reviewed, and considered the Capital Improvement Plan (CIP); and

Whereas the Capital Improvement Plan (CIP) addresses renewing and replacing District assets and existing deficiencies within the wastewater system to improve overall operation and maintenance over a 10 year period; and

Whereas District management identified and prioritized improvement projects for future upgrades and replacements. The Capital Improvement Plan (CIP) will assist the District in prioritizing and completing future projects with the existing District revenue, implementing and justifying rate increases, and planning for grant applications; and

THEREFORE, BE IT RESOLVED, the Board of Directors of Murphys Sanitary District approves and adopts the Capital Improvement Plan (CIP) August 2024; and

THEREFORE, BE IT RESOLVED, the resolution was duly approved and adopted by the Board of Directors of the Murphys Sanitary District at its regular meeting on August 8, 2024 by the following vote:

Adopted on the motion of director _____, seconded by director _____

PASSED AND ADOPTED THIS 8TH day of August by the following vote:

AYES:

NOES:

ABSENT/ABSTAIN:

President, Board of Directors of Murphys Sanitary District

Attest:

Clerk, Board of Directors of Murphys Sanitary District

Murphys Sanitary District 10-Year Capital Improvement Plan



August 2024

Murphys Sanitary District

15 Ernest Street, Suite A

Murphys, CA 95247

Prepared by:



Murphys Sanitary District 10-Year Capital Improvement Plan

FINAL

AUGUST 2024

Prepared for:

MURPHYS SANITARY DISTRICT
15 Ernest Street, Suite A
Murphys, CA 95247
(209) 728-3094

Prepared by:

BLACK WATER CONSULTING ENGINEERS, INC.
602 Lyell Drive
Modesto, CA 95356
(209) 322-1820



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APPENDICES

Appendix A – 10-Year CIP Collection System Improvement Figures

Appendix B – Project Details and Cost Estimate

Appendix C – MSD 24/25 Budget and MSD Revenue Requirement

1 Introduction

The 10-year Capital Improvement Plan (CIP) was prepared for the Murphys Sanitary District (MSD/District) to provide a document for wastewater projects and overall District improvements over a 10-year planning horizon. As part of this CIP Report (Report), the 2022 10-Year Capital Improvement Project Brochure [1] and historical information were reviewed, and input from MSD staff was received.

1.1 Background

The CIP addresses renewing and replacing District assets and existing deficiencies within the wastewater system to provide a functioning and efficient system that meets regulatory requirements and to improve overall operation and maintenance (O&M). The CIP evaluated components of the existing sanitary sewer collection system, wastewater treatment plant (WWTP), District equipment, and the existing buildings located at the WWTP. The CIP will assist MSD in prioritizing and completing future projects with the existing District revenue, implementing and justifying rate increases, and planning for grant applications, as needed.

1.2 Scope of Work

The CIP report included the completion of the following tasks:

1. A review of historical reports and data related to the existing facilities.
2. A review of the 2022 10-Year Capital Improvement Project Brochure [1].
3. Evaluation of the condition of the existing collection system, wastewater treatment plant, equipment, and buildings through discussions with District staff.
4. Identification of recommended improvements to existing facilities.
5. Evaluation of MSD revenues based on the existing rate structure.
6. Assign improvement priorities based on available funds and project importance.
7. Development of the 10-year CIP.

2 Proposed Improvement Projects

This chapter presents the updated and recommended improvement projects for MSD to continue efficiently maintaining and operating the wastewater collection and treatment systems over the next 10 years. For the purposes of this report, the proposed improvement projects were separated into four distinct categories: the sanitary sewer collection system, WWTP, O&M equipment, and WWTP buildings. The improvements identified are conceptual and will require preliminary and final evaluation, planning, and/or design as they are implemented.

2.1 Sanitary Sewer Collection System Improvements

2.1.1 Existing Infrastructure

2.1.1.1 Gravity Sewers

The District owns, operates, and maintains a standard gravity sanitary sewer collection system, which consists of approximately 64,590 linear feet of sewer pipelines ranging in size from 4 to 15 inches in diameter. The most common pipe diameter is 6 inches. The collection system flows to an influent pump station adjacent to Angels Creek prior to being pumped via two force main pipelines to the WWTP. The pipe material throughout much of the sanitary sewer collection system is vitrified clay pipe, with the oldest sections located in the downtown area, which were installed in the early 1960s.

Table 2-1 provides an overview of the components of the MSD sanitary gravity collection system.

Table 2-1 – Existing Wastewater Collection System Overview

Components	Parameter	Value
Existing Gravity Collection System	Length	64,590 linear feet
	Diameter	4-inch to 15-inch
	Material	Vitrified Clay Polyvinyl Chloride (PVC)
Manhole	Quantity	253

2.1.1.2 Influent Pump Station

The influent pump station is located approximately one-mile northwest of the WWTP on the south side of Angels Creek/Murphys Grade Road, immediately adjacent to Angels Creek. As part of the MSD WWTP Upgrades Project (Part I), completed in 2021, the existing headworks, screening facilities, and influent pump station building were abandoned.

The MSD WWTP Upgrades Project (Part I) redirected sewer flow from the abandoned facilities to a new wet well equipped with a wall-mounted channel grinder, odor control, and access hatches. Two independent pump skids housed in fiberglass enclosures pump sewage to the headworks located at the WWTP. The pumps are equipped with variable frequency drives (VFDs) and are controlled based on the level in the wet well. The pumps operate in series with the capability for both pumps to operate based on wet well levels. Power is supplied by PG&E utility services, and an on-site generator provides an emergency backup power supply. Electrical components include a motor control center (MCC) equipped with PLC and HMI and space for additional components.

In general, no major issues have been encountered regarding the operation of the pump station since the MSD WWTP Upgrades Project (Part I) was completed.

2.1.1.3 Influent Force Main

Wastewater is pumped from the influent pump station located along Murphys Grade Road to the WWTP in one of the two parallel 8-inch diameter force mains. Each force main is approximately 4,200 linear feet. The two force mains converge into one 8-inch gravity pipe, approximately 2,200 linear feet long, to convey wastewater to the treatment facility.

Table 2-2 provides an overview of the components of the influent force main system.

Table 2-2 – Influent Force Main Summary Information

Description	Force Main #1	Force Main #2	Gravity Pipe
Upstream pipe elevation, ft amsl	2,100	2,100	2,280
Pipe high-point elevation, ft amsl	2,310	2,310	2,280
Pipe discharge elevation, ft amsl	2,280	2,280	2,276
Pipe diameter, in	8	8	8
Year installed	1962	1984	1984
Alignment length, ft	4,200	4,200	2,200
Pipe alignment	Extends from Influent Pump Station to the Gravity Pipe	Extends from Influent Pump Station to the Gravity Pipe	Extends from Force Main to the WWTP
Pipe material	Asbestos Clay Pipe (ACP)	PVC	PVC

2.1.2 Condition, Risks of Failure, and Need for Improvements

The material and age of the pipelines are two primary causes for concern and contributors to issues within the collection system. Rainwater and shallow groundwater intrusion into the collection system are a concern with clay pipes, as cracks develop over time. Replacing the collection system with PVC pipelines would decrease the inflow and infiltration risks and significantly increase the overall useful life of the collection system.

The current collection system capacity is exceeded with the existing wastewater flows, per the SSMP (2014). Upsizing the diameter of the pipelines is required to prevent system surcharging and sewer overflows. All gravity sewer pipelines within the MSD collection system are inspected using closed-circuit television (CCTV) and evaluated annually by MSD operation and maintenance staff. The annual evaluations of the collection system have identified areas that contribute to issues within the collection system, primarily caused by the material and age of pipe.

The 8-inch diameter asbestos clay force main was installed in 1962 and is antiquated and in disrepair. The 8-inch diameter PVC pipe was installed in 1984. These force mains convey the entirety of MSD's wastewater flows, and the age, condition, and location make the infrastructure a significant liability for MSD.

2.1.3 Recommended Improvements

Based on the annual evaluations performed by MSD staff, 23 collection system improvement projects were identified as necessary to improve the system deficiencies. **Table 2-3** provides an overview of the 10-year CIP projects for the collection system. **Figures 1– 7**, which are included as **Appendix A**, show the locations for the sanitary sewer collection system improvement projects. **Appendix B** provides the project description, project priority, reason for the proposed repair/replacement, construction year, and project cost for each collection system improvement project.



Table 2-3 – Collection System Improvements

Project No.	Project Name / Description	Priority	Construction Year	Estimated Construction Cost, \$	Estimated Project Cost, \$
CS-1	Sewer Line Replacement, MH 96-101	Long-Term	31-32	813,750	1,302,000
CS-2	Sewer Line Replacement, MH 9-11, replace MH 204, add new MH between MH 203-204	Long-Term	31-32	293,250	469,200
CS-3	Sewer Line Replacement, MH 64-65 76A-77	Short-Term	28-29	350,250	560,400
CS-4	Sewer Line Replacement, MH 53-57-LP	Short-Term	29-30	450,250	720,400
CS-5	Sewer Line Replacement, MH 43-45	Short-Term	28-29	358,750	574,000
CS-6	Sewer Line Replacement, MH 31-29	Short-Term	29-30	156,500	250,400
CS-7	Sewer Line Replacement, MH 40-41	Short-Term	29-30	176,250	282,000
CS-8	New Manhole Between MH 94-95	Long-Term	32-33	90,000	144,000
CS-9	Sewer Line Replacement, MH 175-179	Urgent	24-25	299,500	479,200
CS-10	Clay Pipe Replacement, MH 18-14	Long-Term	32-33	235,000	376,000
CS-11	Clay Pipe Replacement, MH 18 to clean out	Long-Term	32-33	60,000	96,000
CS-12	Clay Pipe Replacement, MH 82-84	Short-Term	30-31	255,000	408,000
CS-13	Clay Pipe Replacement, MH 49-50	Long-Term	32-33	180,000	288,000
CS-14	Clay Pipe Replacement, MH 51-52	Long-Term	32-33	130,000	208,000
CS-15	Clay Pipe Replacement, MH 35-31	Long-Term	32-33	583,000	932,800
CS-16	Clay Pipe Replacement, MH 131-136	Short-Term	30-31	79,250	126,800
CS-17	Clay Pipe Replacement, MH 123-124 Add new MH	Short-Term	30-31	220,000	352,000
CS-18	Clay Pipe Replacement, MH 103-105	Long-Term	33-34	185,000	296,000
CS-19	Clay Pipe Replacement, MH 105-135	Long-Term	33-34	366,000	585,600
CS-20	Clay Pipe Replacement, MH 172-23	Short-Term	29-30	133,000	212,800
CS-21	Clay Pipe Replacement, Clean Out to MH 16-14	Long-Term	33-34	297,000	475,200
CS-22	Clay Pipe Replacement, MH 14-10	Long-Term	33-34	78,000	124,800
CS-23	Influent Force Main	Immediate	25-26	2,355,000	3,768,000
			TOTAL:	5,789,750	9,263,600

2.2 Wastewater Treatment Plant Improvements

2.2.1 Existing Infrastructure

WWTP components include headworks, screening facilities, three treatment ponds (Pond 1-3), an effluent storage pond (Pond 4), sand filtration system, disinfection system, and a lined detention basin (finishing/polishing basin) [4]. There is no provision for backup power at the WWTP. The WWTP produces disinfected secondary 2.2 recycled effluent. Treated effluent is disinfected using chlorine and discharged to Pond 4. Effluent is reclaimed from Pond 4 by Kautz Ironstone Vineyards for use as an agricultural irrigation water supply, as permitted under the RWQCB WDR Order No. R5-2007-0050.

2.2.2 Condition, Risks of Failure, and Need for Improvements

Upgrade of components of the equipment and treatment system within the existing WWTP is needed due to the degraded condition and age. The sand filtration system is the oldest mechanical unit of the treatment train and is necessary to remove particulate matter and fine particles from the effluent. Replacement of the sand filtration system will allow MSD to meet Title 22 water standards and improve operation, maintenance, and performance at the WWTP. The piping between the existing filtration system and contact chamber, which includes chemical addition appurtenances, is antiquated and has resulted in a decrease in operation and maintenance efficiency.

A backup generator is needed to improve reliability and redundancy. Site fencing around Pond 4 and the WWTP perimeter is needed for security and safety.

Pond 3 has significant sludge accumulation, which reduces the overall treatment capacity as sludge accumulates on the pond floor. Sludge removal from Pond 3 is recommended to improve the treatment capacity and operational efficiency.

2.2.3 Recommended Improvements

The improvements to the WWTP include replacing the sand filtration system, improving the disinfection system, installing a backup generator, installing a fence around Pond 4, installing a WWTP perimeter fence for overall site security, and removing biosolids (sludge) from Pond 3.

A backup generator is needed to improve reliability and redundancy. Site fencing around Pond 4 and the WWTP perimeter is needed for security and safety. Pond 3 has significant sludge accumulation, and as sludge accumulates on the pond floor, the overall treatment capacity is reduced. Sludge removal from Pond 3 is recommended to improve the treatment capacity and operational efficiency.

Table 2-4 provides an overview of the 10-year CIP projects for the WWTP. **Appendix B** provides the project description, project priority level, reason for the proposed repair/replacement, construction year, and project cost for each WWTP improvement project.

Table 2-4 – Wastewater Treatment Plant Improvement

Project No.	Description	Priority	Construction Year	Estimated Construction Cost, \$	Estimated Project Cost, \$
WWTP-1	Sand Filtration System	Immediate	26-27	400,000	640,000
WWTP-2	Disinfection System	Immediate	27-28	50,000	80,000
WWTP-3	Backup Generator	Short-Term	26-27	225,000	360,000
WWTP-4	Site Fencing	Short-Term	33-34	300,000	423,000
WWTP-5	Pond 3 Sludge Removal	Immediate	26-27	552,500	552,500
			TOTAL:	1,527,500	2,055,500

2.3 O&M Equipment Improvements

2.3.1 Existing Infrastructure

MSD owns, operates, and maintains various equipment essential to its operations. As the equipment ages, its reliability declines as maintenance and operation costs increase. The MSD staff uses vehicles to access sites through the collection system and WWTP for routine maintenance activities and to respond to system emergencies.

2.3.2 Condition, Risks of Failure, and Need for Improvements

Productivity, efficiency, and operation and maintenance of existing facilities would greatly improve with new equipment. Due to the age of existing infrastructure and the need for reliable and practical equipment, vehicles, sewer pipeline, and inspection equipment, facility security cameras, and technology components need replacement.

2.3.3 Recommended Improvements

Replacing the vehicles will provide staff with reliable means of transportation required to service the system and reduce maintenance costs associated with the aging vehicles. A new Hydro Flusher and sewer camera will improve the overall ability to maintain the system, clear debris and prevent blockages within the collection system, and contribute to increased performance. Installing sewer and security cameras will allow the district to monitor the system's condition and improve safety and security.

Table 2-5 provides an overview of the 10-year CIP projects for the equipment. **Appendix B** provides the project description, project priority, reason for the proposed repair/replacement, construction year, and project cost for each equipment improvement project.

Table 2-5 – Equipment Improvements

Project No.	Description	Priority	Construction Year	Estimated Construction Cost, \$	Estimated Project Cost, \$
EQ-1	Repair/Replacement of trucks/vehicles	Short-Term	27-28	100,000	100,000
EQ-2	Hydro Flusher	Short-Term	27-28	70,000	70,000
EQ-3	Sewer Camera	Short-Term	26-27	20,000	20,000
EQ-4	Security Camera	Long-Term	33-34	8,000	8,000
EQ-5	Technology	Immediate	26-27	22,000	22,000
			TOTAL:	220,000	220,000

2.4 WWTP Building Improvements

2.4.1 Existing Infrastructure

The WWTP site's maintenance/operations facilities and buildings are antiquated and present workplace safety concerns. Building A (office) and Building B (maintenance facility) are the two existing structures constructed in the 1980s.

2.4.2 Condition, Risks of Failure, and Need for Improvements

The office building has multiple roof leaks. The maintenance facility is also used as a garage, storage, uniform closet, lab, and wash area. It is inadequately sized and utilized for these uses. Both structures are in a state of disrepair and beyond their useful life.

2.4.3 Recommended Improvements

Removal and replacement of both buildings are recommended. **Table 2-6** provides an overview of the 10-year CIP projects for the building and facility improvements. **Appendix B** provides the project description, project priority, reason for the proposed repair/replacement, construction year, and project cost for each building and facility improvement project.

Table 2-6 – Building and Facility Improvements

Project No.	Description	Priority	Construction Year	Estimated Construction Cost, \$	Estimated Project Cost, \$
BF-1	Office Building	Long-Term	33-34	450,000	720,000
BF-2	Maintenance Facility	Long-Term	33-34	450,000	720,000
			TOTAL:	900,000	1,440,000

2.5 MSD Budget and Grant Funding Availability

2.5.1 Budget

As of June 2024, the monthly MSD rate for residential sewer services is \$60.00. Commercial sewer rates are determined on the basis of use. In addition to the sewer service fee, MSD charges a one-time fee of \$10,000 per connection to the sewer system.

MSD revenues to fund the proposed CIP improvement projects were evaluated based on the MSD Fiscal Year 24/25 Adopted Budget (24/25 Budget) and the Projected Revenue Requirement Table presented at the May 2024 MSD Board Meeting (MSD Revenue Requirement), both of which highlight the District's income, expenses, balance, and reserve funds. The values from the 24/25 Budget and MSD Revenue Requirement will be used to project revenues, expenditures, and reserve fund amounts into the future to determine approximate funding amounts for the proposed CIP projects.

Table 2-7 summarizes the annual MSD fiscal revenue, expenditures, balance, and reserve fund amount for the present and future planning period and presents an average reserve fund value that can be used to fund capital improvement plan projects each year based on these projections. The MSD 24/25 Budget and Revenue Requirement is included in **Appendix C**.

Based on **Table 2-7** and taking into consideration the 10-year CIP period and project funding horizon, the District will have approximately \$900,000 to spend on proposed CIP projects within the 10-year period. The total cost for the proposed CIP projects is estimated at \$16,387,100 without inflation added and approximately \$19,318,524 with inflation added.

Table 2-7 – CIP Revenue, Expenditures, and Projected Balance

Fiscal Year	Expenses	Debt	Costs	Credits	Rate Revenue	Income	Balance	Reserve Fund
FY 24-25	\$950,180	\$43,670	\$993,850	\$250,000	\$915,404	\$1,165,404	\$171,554	\$2,561,410
FY 33-34	\$1,692,427	\$43,670	\$1,736,097	\$281,215	\$915,404	\$1,196,619	(\$539,478)	\$879,068
Average Annual Reserve Fund Amount:								\$87,907

2.5.2 Grant Funding Availability

MSD has completed State and federal funding applications for approved projects. Funds received through the State Water Resources Control Board (SWRCB) Clean Water State Revolving Fund (CWSRF) may be used to finance certain projects as they become available. For the purposes of this CIP Report, it was assumed that MSD would be financing as many projects as possible through revenues and the reserve fund, as grant funds are not guaranteed at this time.

3 Improvement Priorities Summary

This section summarizes the improvement priorities for the collection system, wastewater treatment plant, equipment, and buildings. The improvements were prioritized based on assessment of the operation and maintenance records, existing conditions, likelihood of failure, life-cycle expectancy, repair history, project costs, associated risks and outcomes of equipment failure, and input from MSD staff. **Table 3-1** provides a summary of the improvement priorities.

Table 3-1 – Project Priorities - Summary

Priority	Project Name	Project No.
Urgent	Sewer Line Replacement, MH 179-175	CS-9
Immediate	Influent Force Main	CS-23
	Sand Filtration System	WWTP-1
	Disinfection System	WWTP-2
	Pond 3 Sludge Removal	WWTP-5
	Sewer Camera	EQ-3
	Technology	EQ-5
Short-Term	Sewer Line Replacement, MH 45-43	CS-5
	Repair/Replacement of Trucks/Vehicles	EQ-1
	Hydro Flusher	EQ-2
	Site Fencing	WWTP-4
	Backup Generator	WWTP-3
	Sewer Line Replacement, MH 64-65 and MH 76A-77	CS-3
	Sewer Line Replacement, Lamp Hole to MH 57-53	CS-4
	Sewer Line Replacement, MH 45-43	CS-5
	Sewer Line Replacement, MH 31-29	CS-6
	Sewer Line Replacement, MH 41-40	CS-7
	Clay Pipe Replacement, MH 84-82	CS-12
	Clay Pipe Replacement, MH 131-136	CS-16
	Clay Pipe Replacement, MH 172-23	CS-20
	Clay Pipe Replacement, MH 123-124, Add New MH	CS-17
Long-Term	Sewer Line Replacement, MH 101-96	CS-1
	Sewer Line Replacement, MH 11-9, Replace MH 204, Add New MH Between MH 203-204	CS-2
	Add New Manhole Between MH 94-95	CS-8
	Clay Pipe Replacement, Clean Out to MH 18, MH 18-14	CS-10
	Clay Pipe Replacement, Clean Out to MH 18	CS-11
	Clay Pipe Replacement, MH 49-50	CS-13
	Clay Pipe Replacement, MH 51-52	CS-14
	Clay Pipe Replacement, MH 35-31	CS-15
	Clay Pipe Replacement, MH 103-105	CS-18
	Clay Pipe Replacement, MH 105-135	CS-19
	Clay Pipe Replacement, CO to MH 16-14	CS-21
	Clay Pipe Replacement, MH 14-10	CS-22
	Security Camera	EQ-4
	Office Building	BF-1
	Maintenance Facility	BF-2

4 Capital Improvement Plan – Cost Estimation

Preliminary cost estimates have been prepared for each project in the CIP. These planning level estimates will be refined as each project is initiated and progresses. 15% of the budget is estimated for expenses related to engineering design and administration (EDA) and compliance with the California Environmental Quality Act (CEQA). 10% of the budget is allocated for engineering services during construction and construction management (ESDC/CM). These are considered soft costs and may include the work a consultant and MSD staff perform and are shown for budgetary purposes. CIP contingencies of 35% have also been added to the project costs based on the preliminary status and the potential for project scope uncertainties. The soft costs and contingencies for each project were evaluated individually, and these costs were not applied to all the proposed improvement projects.

As part of developing the cost estimates, the following qualifications were provided:

1. The duration of construction is unknown at this time.
2. Phasing and/or phase planning has not been completed, and no allowances are included in the estimate.
3. It is assumed that all work will be performed by qualified, bonded, and insured general contractors, and as such, all general contractor mark-ups are included in the unit pricing.
4. It is assumed all individual estimates represent one project. Some cost savings can be realized by combining projects to make a larger project with a better economy of scale. Cost savings have not yet been determined.
5. Premiums for small work around existing facilities, structures, and site appurtenances versus large unincumbered production work were included.
6. Premiums for working in a remote area were included. A remote area is defined as an area outside of a 15-mile radius of a major metropolitan area.

Design and construction costs were developed for the current year (Denoted as Year 0) and then escalated for the fiscal year based on an estimated rate of inflation. Due to inconsistencies with inflation in recent years, an average annual escalation rate of 4% was used.

5 Capital Improvement Plan – Project Organization and Scheduling

Recommended MSD CIP projects were organized and broken down by implementation year based on priority. Timing and priorities of the projects were based on discussions with MSD staff, staff condition assessments and life expectancies of infrastructure, and operation and maintenance benefits. The proposed improvement projects are designated to fit within urgent, immediate, short-term, and long-term periods, meaning that they will fall within one of the following time periods:

- Urgent = Year 24-25
- Immediate Projects = Year 25-26 through Year 26-27
- Short-Term Projects = Year 27-28 through Year 30-31
- Long-Term Projects = Year 31-32 through 33-34

The 10-year recommended MSD CIP projects were organized and broken down in two ways. The first way is an overall view of the projects by category without inflation. The second way is an overall view of the

projects by category with inflation included. As discussed, the identified CIP projects will assist MSD in developing annual budgets over the next 10-year planning horizon. All CIP projects include information on the project priority, anticipated construction year, construction costs, soft costs, estimated project costs, and potential funding source. As discussed in Section 2.5, the District has approximately \$900,000 to spend on proposed CIP projects based on projected revenues, expenses, and reserve funds. The total cost for the proposed CIP projects is estimated at \$16,387,100 without inflation added and approximately \$19,318,524 with inflation added. Additional detailed information on each project is provided in **Appendix B**.

Table 5-1 provides an overview of the CIP projects by category, with no inflation included. **Table 5-2** provides an overview of the CIP projects by category, with inflation included. The average cost escalation percentage provided in the previous section was used to calculate projected inflation.



Murphys Sanitary District
10-Year Capital Improvement Plan
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Table 5-1 – Master CIP Project List (without Cost Inflation)

Project	Description	Priority	Construction Fiscal Year	Funding Source	Estimated Construction Cost	CIP Contingency	Eng / Design/ Admin	ESOC / CM	Estimated Project Cost	10-Year CIP											
										24-25 Year 1	25-26 Year 2	26-27 Year 3	27-28 Year 4	28-29 Year 5	29-30 Year 6	30-31 Year 7	31-32 Year 8	32-33 Year 9	33-34 Year 10		
COLLECTION SYSTEM																					
CS-1	Sewer Line Replacement, MH 96-101	Long-Term	31-32	Grant Funds	\$813,750	\$284,613	\$122,063	\$81,375	\$1,302,000											\$1,302,000	
CS-2	Sewer Line Replacement, MH 9-31, replace MH 204, add new MH between MH 203-204	Long-Term	31-32	Grant Funds	\$793,250	\$102,638	\$43,988	\$29,325	\$469,200											\$469,200	
CS-3	Sewer Line Replacement, MH 64-65 and MH 76A-77	Short-Term	28-29	Grant Funds	\$350,250	\$122,588	\$52,538	\$35,025	\$560,400					\$560,400							
CS-4	Sewer Line Replacement, MH 53-57-LP	Short-Term	29-30	Grant Funds	\$450,250	\$157,588	\$67,538	\$45,025	\$720,400												
CS-5	Sewer Line Replacement, MH 43-45	Short-Term	28-29	Grant Funds	\$358,750	\$125,563	\$53,813	\$35,875	\$574,000					\$574,000							
CS-6	Sewer Line Replacement, MH 31-29	Short-Term	29-30	Grant Funds	\$156,500	\$54,775	\$23,475	\$15,650	\$250,400							\$250,400					
CS-7	Sewer Line Replacement, MH 40-41	Short-Term	29-30	Grant Funds	\$176,250	\$61,688	\$26,438	\$17,625	\$282,000							\$282,000					
CS-8	New Manhole Between MH 9A-55	Long-Term	32-33	Grant Funds	\$90,000	\$31,500	\$13,500	\$9,000	\$144,000											\$144,000	
CS-9	Sewer Line Replacement, MH 175-179	Urgent	24-25	MISD Funds	\$299,500	\$104,823	\$44,925	\$29,950	\$479,200	\$479,200											
CS-10	Clay Pipe Replacement, MH 18-14	Long-Term	32-33	Grant Funds	\$235,000	\$82,250	\$35,250	\$23,500	\$376,000											\$376,000	
CS-11	Clay Pipe Replacement, MH 18 to clean out	Long-Term	32-33	Grant Funds	\$60,000	\$21,000	\$9,000	\$6,000	\$96,000											\$96,000	
CS-12	Clay Pipe Replacement, MH 82-84	Short-Term	30-31	Grant Funds	\$255,000	\$89,750	\$38,250	\$25,500	\$408,000							\$408,000					
CS-13	Clay Pipe Replacement, MH 45-50	Long-Term	32-33	Grant Funds	\$180,000	\$63,000	\$27,000	\$18,000	\$288,000											\$288,000	
CS-14	Clay Pipe Replacement, MH 51-52	Long-Term	32-33	Grant Funds	\$130,000	\$45,500	\$19,500	\$13,000	\$208,000											\$208,000	
CS-15	Clay Pipe Replacement, MH 35-31	Long-Term	22-33	Grant Funds	\$583,000	\$201,050	\$87,450	\$58,300	\$932,800											\$932,800	
CS-16	Clay Pipe Replacement, MH 131-136	Short-Term	30-31	MISD Funds	\$79,250	\$27,738	\$11,888	\$7,925	\$126,800							\$126,800					
CS-17	Clay Pipe Replacement, MH 123-124 Add new MH	Short-Term	30-31	Grant Funds	\$220,000	\$77,000	\$33,000	\$22,000	\$352,000							\$352,000					
CS-18	Clay Pipe Replacement, MH 103-105	Long-Term	33-34	Grant Funds	\$185,000	\$64,750	\$27,750	\$18,500	\$296,000											\$296,000	
CS-19	Clay Pipe Replacement, MH 105-135	Long-Term	33-34	Grant Funds	\$326,000	\$128,100	\$54,900	\$36,600	\$585,600											\$585,600	
CS-20	Clay Pipe Replacement, MH 172-23	Short-Term	29-30	Grant Funds	\$131,000	\$46,550	\$19,550	\$13,100	\$212,800							\$212,800					
CS-21	Clay Pipe Replacement, MH 14 to 10	Long-Term	33-34	Grant Funds	\$297,000	\$104,950	\$44,550	\$29,700	\$475,200											\$475,200	
CS-22	Clay Pipe Replacement, MH 14-10	Long-Term	33-34	Grant Funds	\$78,000	\$27,300	\$11,700	\$7,800	\$124,800											\$124,800	
CS-23	Inflow/Force Main	Immediate	25-26	Grant Funds	\$2,130,000	\$745,500	\$319,500	\$213,000	\$3,405,000						\$3,405,000						
COLLECTION SYSTEM SUBTOTAL											\$479,200	\$3,408,000	\$0	\$0	\$1,134,400	\$745,200	\$886,800	\$1,771,200	\$2,044,800	\$1,481,600	
WASTEWATER TREATMENT PLANT																					
WWTP-1	Sand Filtration System	Immediate	26-27	Grant Funds	\$400,000	\$140,000	\$60,000	\$40,000	\$640,000					\$640,000							
WWTP-2	Disinfection System	Immediate	26-27	MISD Funds	\$50,000	\$17,500	\$7,500	\$5,000	\$80,000					\$80,000							
WWTP-3	Backup Generator	Short-Term	27-28	Grant Funds	\$225,000	\$78,750	\$33,750	\$22,500	\$360,000					\$360,000							
WWTP-4	Sludge Fencing	Short-Term	27-28	Grant Funds	\$300,000	\$102,000	\$43,000	\$30,000	\$483,000					\$483,000							
WWTP-5	Pond 3 Sludge Removal	Immediate	26-27	Grant Funds	\$552,500	\$184,167	\$77,667	\$55,250	\$889,500					\$889,500							
WASTEWATER TREATMENT PLANT SUBTOTAL											\$0	\$0	\$1,172,500	\$783,000	\$0	\$0	\$0	\$0	\$0	\$0	
EQUIPMENT																					
EQ-1	Repair/Replacement of Trucks/Vehicles	Short-Term	27-28	MISD Funds	\$100,000	\$0	\$0	\$0	\$100,000					\$100,000							
EQ-2	Hydro Flusher	Short-Term	27-28	MISD Funds	\$70,000	\$0	\$0	\$0	\$70,000					\$70,000							
EQ-3	Sewer Camera	Short-Term	26-27	MISD Funds	\$20,000	\$0	\$0	\$0	\$20,000					\$20,000							
EQ-4	Security Camera	Long-Term	33-34	MISD Funds	\$8,000	\$0	\$0	\$0	\$8,000											\$8,000	
EQ-5	Technology	Immediate	26-27	MISD Funds	\$22,000	\$0	\$0	\$0	\$22,000					\$22,000							
EQUIPMENT SUBTOTAL											\$0	\$0	\$42,000	\$170,000	\$0	\$0	\$0	\$0	\$0	\$8,000	
BUILDING																					
BF-1	Office Building	Short-Term	34-35	Grant Funds	\$450,000	\$157,500	\$67,500	\$45,000	\$720,000							\$720,000					
BF-2	Maintenance Building	Short-Term	34-35	Grant Funds	\$450,000	\$157,500	\$67,500	\$45,000	\$720,000							\$720,000					
BUILDING SUBTOTAL											\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL											\$479,200	\$3,408,000	\$1,314,500	\$953,000	\$1,134,400	\$1,465,200	\$1,606,800	\$1,771,200	\$2,044,800	\$1,489,600	

Notes:
 1 Urgent Term Projects = Year 24-25
 2 Immediate Term Projects = Year 26-28 through Year 26-27
 3 Short Term Projects = Year Year 27-28 through Year 30-31
 4 Long Term Projects = Year 31-32 through 33-34
 5 Construction Costs given are for Year 1 (no inflation included)



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Table 5-2 – Master CIP Project List (with Cost Inflation)

Project	Description	Priority	Construction Fiscal Year	Funding Source	Estimated Construction Cost	CIP Contingency	Eng / Design/ Admin	ESDC / CM	Estimated Project Cost	10-Year CIP											
										24-25 Year 1 0%	25-26 Year 2 4%	26-27 Year 3 8%	27-28 Year 4 12%	28-29 Year 5 16%	29-30 Year 6 20%	30-31 Year 7 24%	31-32 Year 8 28%	32-33 Year 9 32%	33-34 Year 10 36%		
COLLECTION SYSTEM																					
CS-1	Sewer Line Replacement, MH 06-101	Long-Term	31-32	Grant Funds	\$813,750	\$284,613	\$132,003	\$81,373	\$1,301,000											\$1,666,550	
CS-2	Sewer Line Replacement, MH 9-11, replace MH 204, add new MH between MH 203-204	Long-Term	31-32	Grant Funds	\$293,350	\$102,638	\$43,928	\$29,325	\$469,200												560,576
CS-3	Sewer Line Replacement, MH G4 G5 and MH 76A-77	Short-Term	28-29	Grant Funds	\$350,250	\$122,588	\$52,535	\$35,025	\$560,400					\$650,064							
CS-4	Sewer Line Replacement, MH 53-57 LP	Short-Term	29-30	Grant Funds	\$450,150	\$157,588	\$67,538	\$45,025	\$720,400							\$864,980					
CS-5	Sewer Line Replacement, MH 33-35	Short-Term	28-29	Grant Funds	\$358,750	\$123,561	\$53,813	\$35,875	\$574,000						\$665,610						
CS-6	Sewer Line Replacement, MH 31-29	Short-Term	29-30	Grant Funds	\$158,500	\$54,775	\$23,475	\$15,850	\$250,400							\$300,730					
CS-7	Sewer Line Replacement, MH 43-41	Short-Term	29-30	Grant Funds	\$176,250	\$61,688	\$26,488	\$17,625	\$283,000							\$338,400					
CS-8	New Manhole between MH 9A-9B	Long-Term	32-33	Grant Funds	\$90,000	\$31,500	\$13,500	\$9,000	\$144,000												\$199,050
CS-9	Sewer Line Replacement, MH 125-123	Urgent	24-25	MSD Funds	\$299,500	\$104,825	\$44,925	\$29,950	\$479,200	\$479,200											
CS-10	Clay Pipe Replacement, MH 18-14	Long-Term	32-33	Grant Funds	\$235,000	\$82,150	\$35,250	\$23,500	\$376,000												\$496,320
CS-11	Clay Pipe Replacement, MH 18 to clean cut	Long-Term	32-33	Grant Funds	\$60,000	\$21,000	\$9,000	\$6,000	\$96,000												\$126,720
CS-12	Clay Pipe Replacement, MH 82-84	Short-Term	30-31	Grant Funds	\$255,000	\$89,250	\$38,250	\$25,500	\$408,000							\$505,920					
CS-13	Clay Pipe Replacement, MH 43-50	Long-Term	32-33	Grant Funds	\$160,000	\$53,000	\$22,000	\$16,000	\$288,000												\$380,160
CS-14	Clay Pipe Replacement, MH 51-52	Long-Term	32-33	Grant Funds	\$130,000	\$45,500	\$19,500	\$13,000	\$208,000												\$274,560
CS-15	Clay Pipe Replacement, MH 35-31	Long-Term	32-33	Grant Funds	\$583,000	\$201,050	\$87,450	\$58,300	\$931,600												\$1,231,296
CS-16	Clay Pipe Replacement, MH 131-136	Short-Term	30-31	MSD Funds	\$79,250	\$27,728	\$11,888	\$7,925	\$126,800							\$157,232					
CS-17	Clay Pipe Replacement, MH 123-124 Add new MH	Short-Term	30-31	Grant Funds	\$220,000	\$77,000	\$33,000	\$22,000	\$357,000							\$336,450					
CS-18	Clay Pipe Replacement, MH 103-105	Long-Term	33-34	Grant Funds	\$185,000	\$64,750	\$27,750	\$18,500	\$296,000												\$402,560
CS-19	Clay Pipe Replacement, MH 105-135	Long-Term	33-34	Grant Funds	\$368,000	\$128,100	\$54,300	\$36,800	\$585,600												\$739,416
CS-20	Clay Pipe Replacement, MH 122-123	Short-Term	29-30	Grant Funds	\$138,000	\$46,550	\$19,950	\$13,800	\$212,800							\$255,360					
CS-21	Clay Pipe Replacement, MH 14 to 1G	Long-Term	33-34	Grant Funds	\$297,000	\$103,950	\$44,550	\$29,700	\$475,200												\$646,272
CS-22	Clay Pipe Replacement, MH 14-10	Long-Term	33-34	Grant Funds	\$78,000	\$27,300	\$11,700	\$7,800	\$124,800												\$169,728
CS-23	Influent Force Main	Immediate	25-26	Grant Funds	\$2,130,000	\$745,500	\$319,500	\$213,000	\$3,108,000												
COLLECTION SYSTEM SUBTOTAL:											\$479,200	\$3,544,320	\$0	\$0	\$1,315,904	\$1,758,720	\$1,099,632	\$2,267,136	\$2,699,136	\$2,014,976	
WASTEWATER TREATMENT PLANT																					
WWTP-1	Sand Filtration System	Immediate	26-27	Grant Funds	\$400,000	\$169,000	\$69,000	\$40,000	\$610,000					\$691,200							
WWTP-2	Disinfection System	Immediate	26-27	Grant Funds	\$50,000	\$17,500	\$7,500	\$5,000	\$80,000					\$86,400							
WWTP-3	Backup Generator	Short-Term	27-28	Grant Funds	\$225,000	\$78,750	\$33,750	\$22,500	\$360,000					\$463,200							
WWTP-4	Site Fencing	Short-Term	27-28	Grant Funds	\$300,000	\$105,000	\$45,000	\$30,000	\$433,000					\$579,760							
WWTP-5	Pond 3 Sludge Removal	Immediate	26-27	Grant Funds	\$552,500	\$0	\$0	\$0	\$552,500					\$559,700							
WASTEWATER TREATMENT PLANT SUBTOTAL:											\$0	\$0	\$1,374,300	\$876,960	\$0	\$0	\$0	\$0	\$0	\$0	
EQUIPMENT																					
EQ-1	Repair/Replacement of Trucks/Vehicles	Short-Term	27-28	MSD Funds	\$100,000	\$0	\$0	\$0	\$100,000					\$112,000							
EQ-2	Hydro Flusher	Short-Term	27-28	MSD Funds	\$70,000	\$0	\$0	\$0	\$70,000					\$78,400							
EQ-3	Sewer Camera	Short-Term	26-27	MSD Funds	\$20,000	\$0	\$0	\$0	\$20,000					\$21,600							
EQ-4	Security Camera	Long-Term	33-34	MSD Funds	\$8,000	\$0	\$0	\$0	\$8,000												\$10,880
EQ-5	Technology	Immediate	26-27	MSD Funds	\$22,000	\$0	\$0	\$0	\$22,000					\$23,760							
EQUIPMENT SUBTOTAL:											\$0	\$0	\$45,360	\$190,400	\$0	\$0	\$0	\$0	\$0	\$10,880	
BUILDING																					
Bf-1	Office Building	Short-Term	34-35	Grant Funds	\$450,000	\$157,500	\$67,500	\$45,000	\$720,000					\$805,400							
Bf-2	Maintenance Building	Short-Term	34-35	Grant Funds	\$450,000	\$157,500	\$67,500	\$45,000	\$720,000					\$835,200							
BUILDING SUBTOTAL:											\$0	\$0	\$0	\$806,400	\$835,200	\$0	\$0	\$0	\$0	\$0	
TOTAL											\$479,200	\$3,544,320	\$1,419,660	\$1,873,760	\$2,151,104	\$1,758,720	\$1,099,632	\$2,267,136	\$2,699,136	\$2,025,856	

Notes:
 1 Urgent Term Projects = Year 24-26
 2 Immediate Term Projects = Year 26-28 through Year 28-29
 3 Short Term Projects = Year Year 27-28 through Year 30-31
 4 Long Term Projects = Year 31-32 through 33-34
 5 Construction Costs given are for Year 1 (no inflation included). Costs assigned under the year columns have inflation added at an average 4% per year
 6 Inflation percentages provided are given from Year 1



6 References

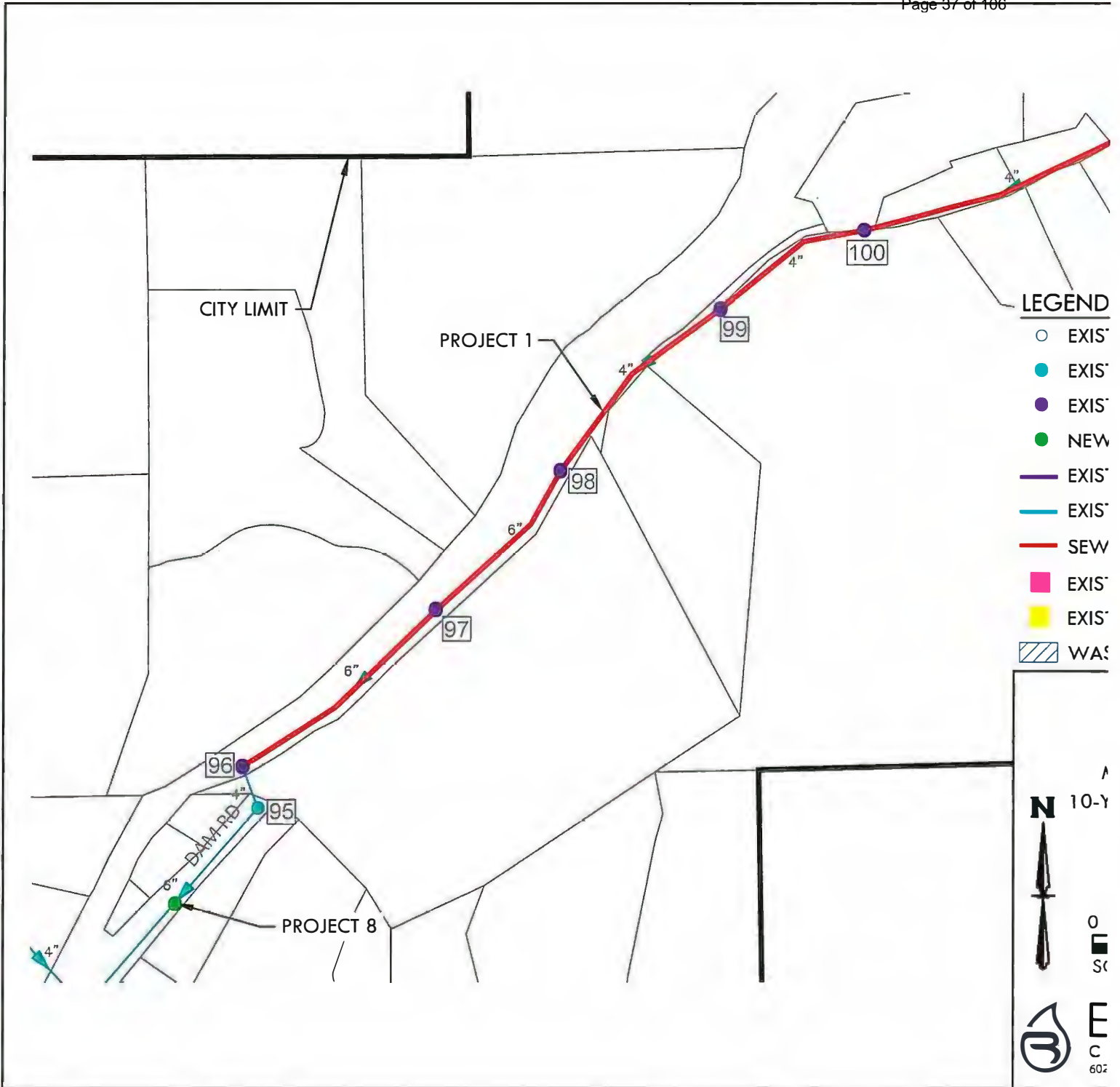
- [1] 10-Year Capital Improvement Projects, Black Water Consulting Engineers, Inc., September 2022.



APPENDIX A

10-Year CIP Collection System Improvement Figures

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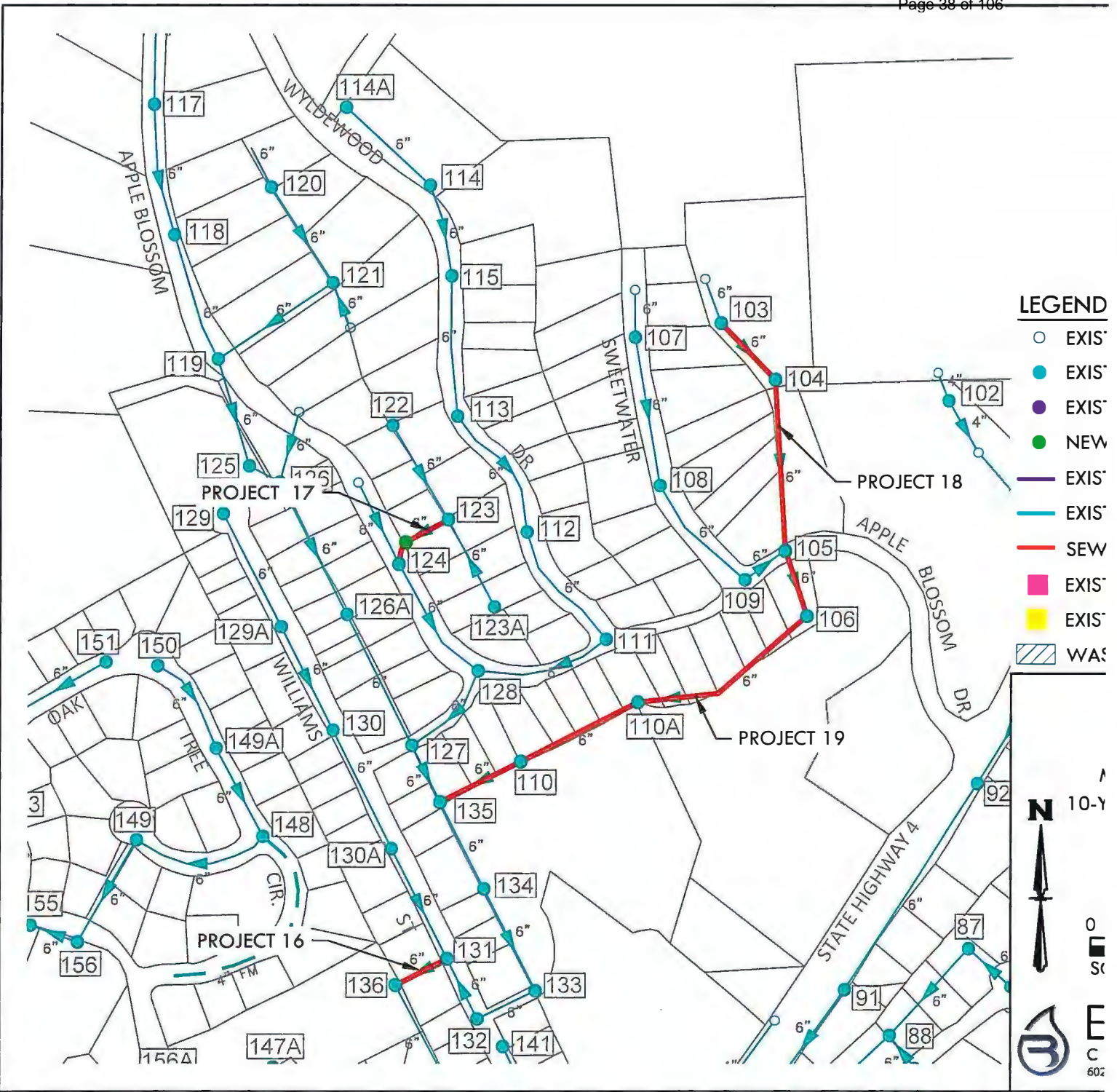
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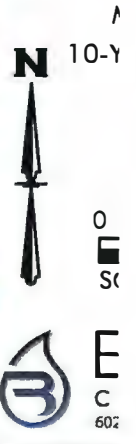
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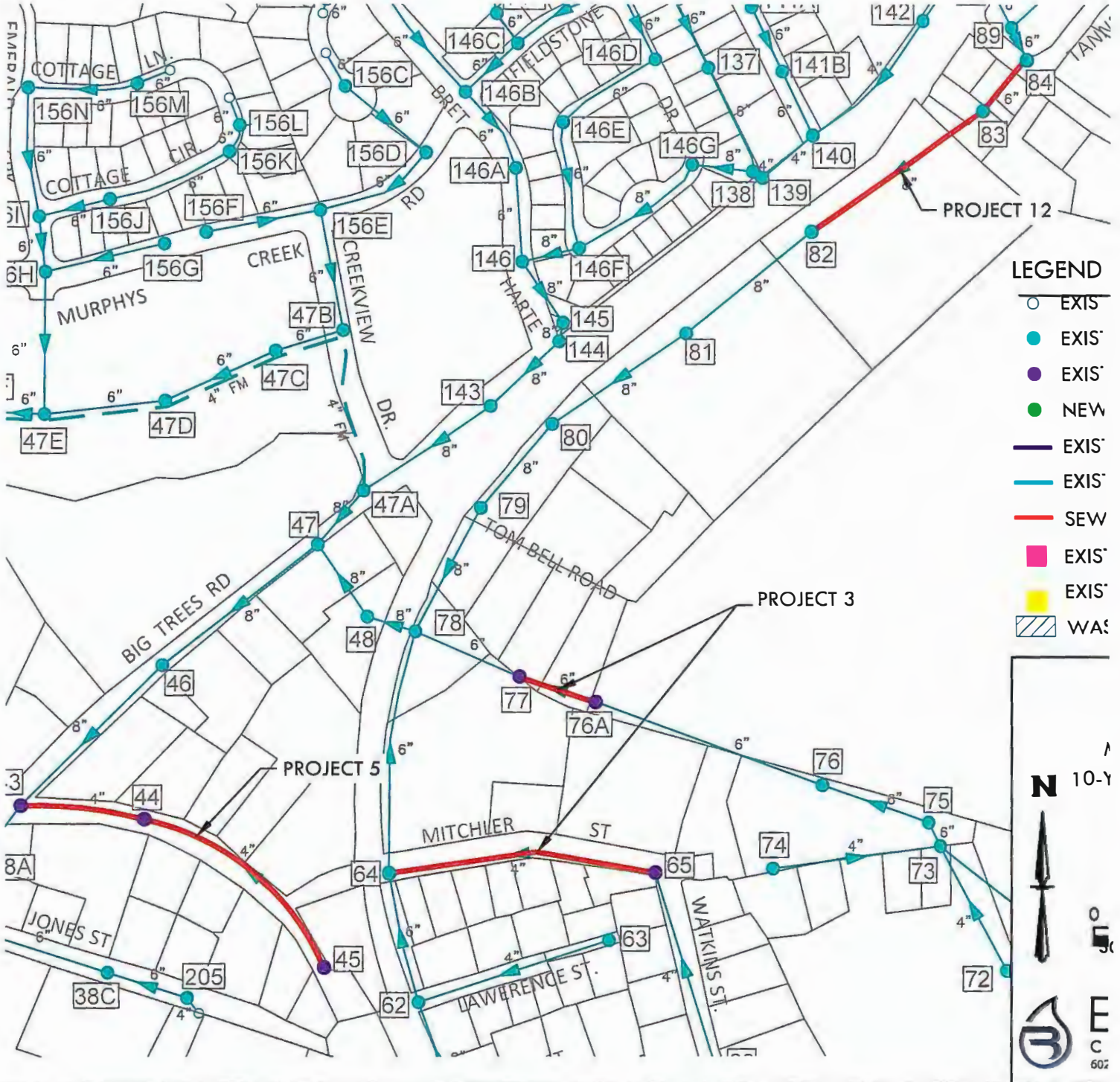
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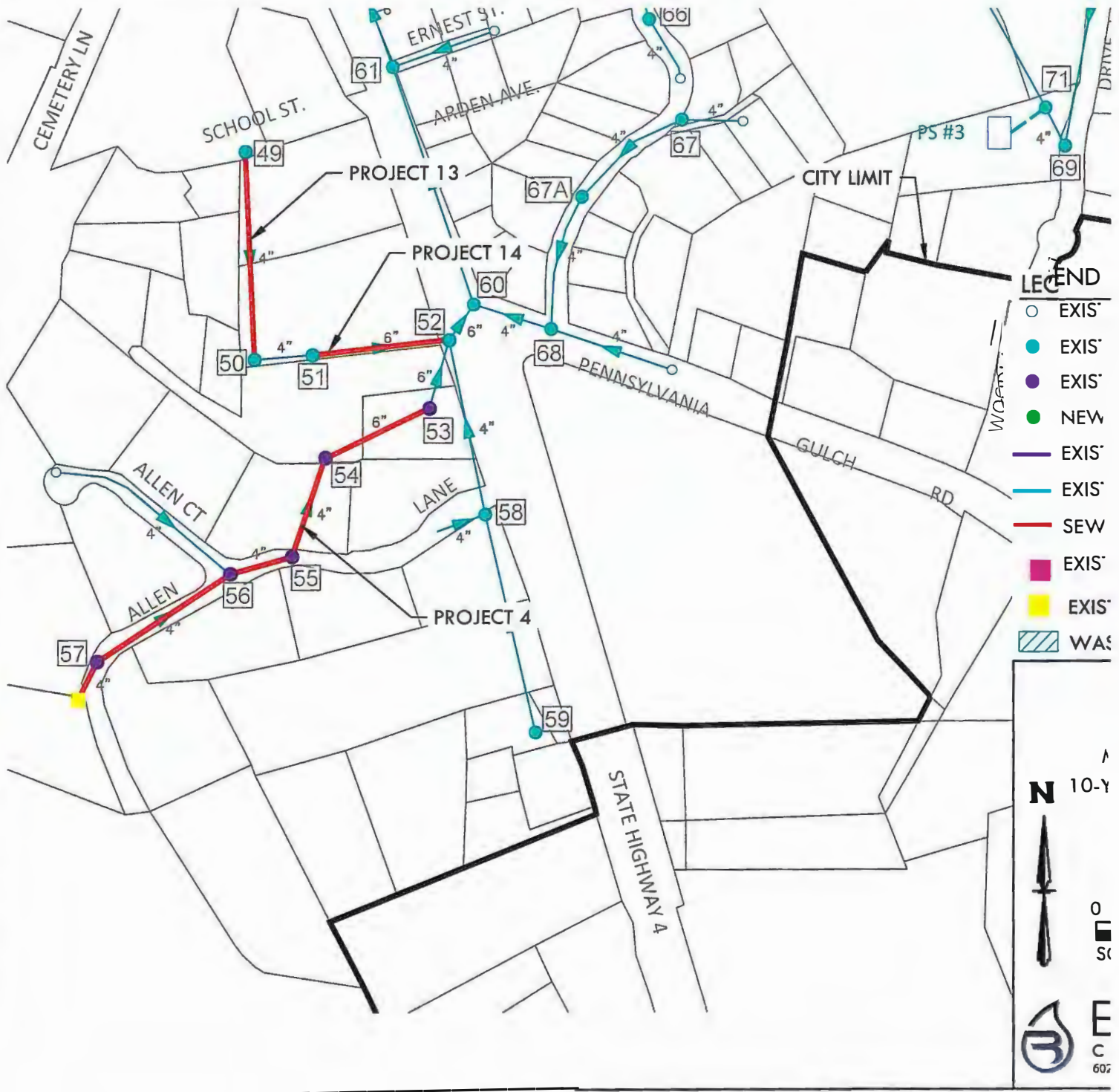
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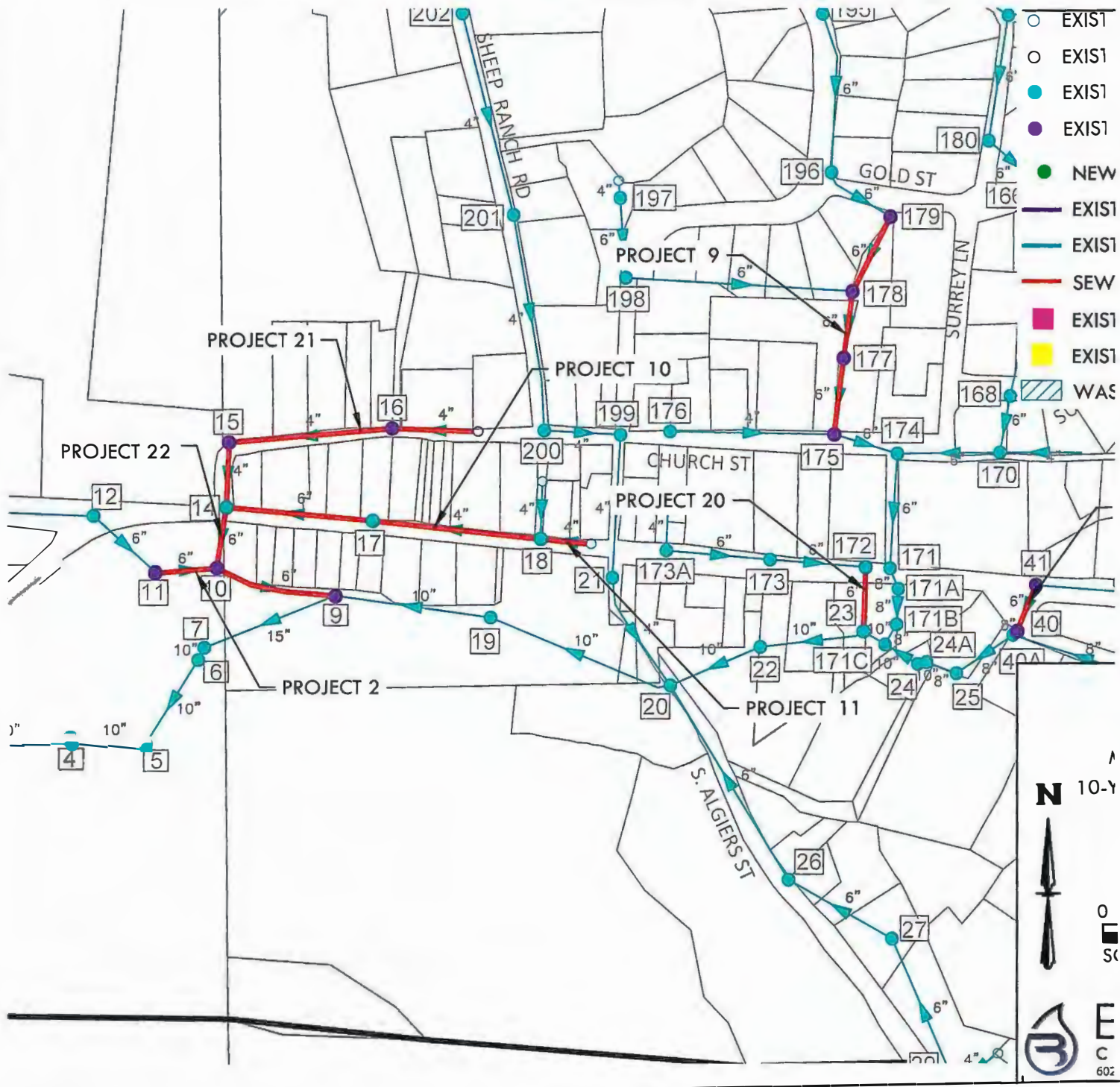


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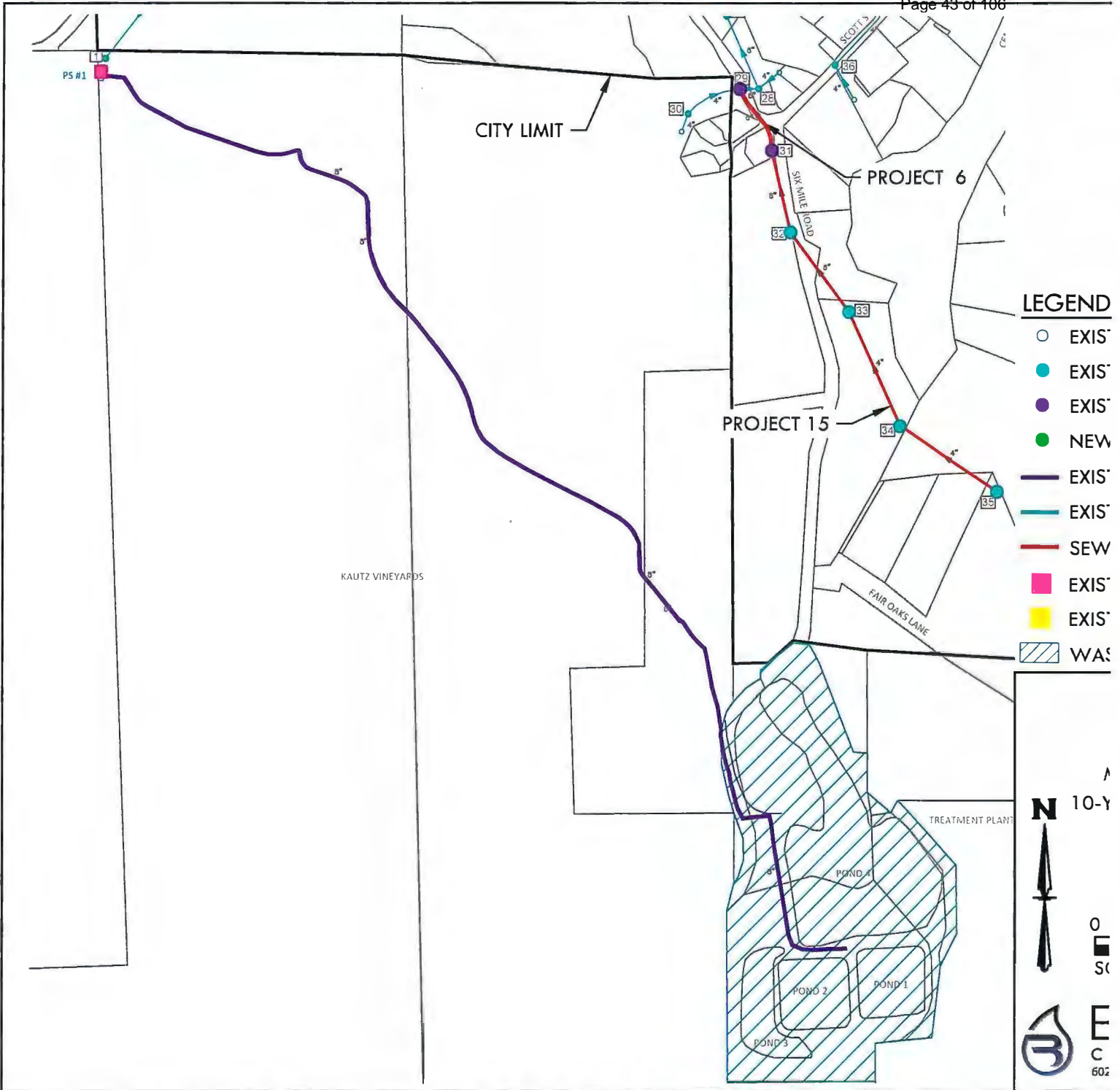


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APPENDIX B

Project Details and Cost Estimates



Sewer Line Replacement, MH 96-101		CS-1
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks. Located near a waterway, this line is a significant contributor to inflow and infiltration (I/I).	
Project Description:	This project consists of the replacement and installation of approximately 2,415 linear feet of 8" diameter sewer pipeline and 6 manholes.	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years, close to waterway, significant source of I/I	
General Location:	Dam Road	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	31-32	
Expenditures	Budget	
CON-Construction Subtotal	\$813,750	
CTGY-CIP Contingency (35%)	\$284,813	
EDA-Eng/Design/Admin (15%)	\$122,063	
ESDC/CM - Cons. Mgmt (10%)	\$81,375	
Expenditure Totals:	\$1,302,000	
Method of Funding:	Grant Funds	
Funding Amount:	\$1,302,000	



Sewer Line Replacement, MH 9-11, replace MH 204, add new MH between MH 203-204		CS-2
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks. Manhole 204 is in a state of disrepair and is failing. Distance between manholes 204 and 203 exceeds 300' making maintenance and inspection difficult.	
Project Description:	This project consists of the replacement and installation of approximately 393 linear feet of 8" diameter sewer pipeline and 5 manholes. Manhole 204 will be replaced and a new manhole will be placed directly in between manholes 203 and 204 (see FIGURE 5 and FIGURE 6).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years, failing MH 204, necessary access due to the distance between 204 and 203 exceeding 300'.	
General Location:	Behind DEA	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	31-32	
Expenditures	Budget	
CON-Construction Subtotal	\$293,250	
CTGY-CIP Contingency (35%)	\$102,638	
EDA-Eng/Design/Admin (15%)	\$43,988	
ESDC/CM - Cons. Mgmt (10%)	\$29,325	
Expenditure Totals:	\$469,200	
Method of Funding:	Grant Funds	
Funding Amount:	\$469,200	



Sewer Line Replacement, MH 64-65 and MH 76A-77		CS-3
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks and is thus a significant contributor to inflow and infiltration (I/I). The existing line is also undersized to meet demand.	
Project Description:	This project consists of the replacement and installation of approximately 741 linear feet of 8" diameter sewer pipeline and only 3 manholes due to previous replacement of manhole 64 (see FIGURE 3).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years and is undersized. Source of repeated SSO's.	
General Location:	Mitchler @ Diggins	
Existing Pipe Material:	Clay	
Project Priority:	Short-Term	
Construction Year (Fiscal):	28-29	
Expenditures		Budget
CON-Construction Subtotal		\$350,250
CTGY-CIP Contingency (35%)		\$122,588
EDA-Eng/Design/Admin (15%)		\$52,538
ESDC/CM - Cons. Mgmt (10%)		\$35,025
Expenditure Totals:		\$560,400
Method of Funding:	Grant Funds	
Funding Amount:	\$560,400	



Sewer Line Replacement, MH 53-57-LP (Light Pole)		CS-4
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks and is thus a significant contributor to inflow and infiltration (I/I). The existing line is also undersized to meet demand.	
Project Description:	This project consists of the replacement and installation of approximately 1,021 linear feet of 8" diameter sewer pipeline and 5 manholes, beginning at the light pole located approximately 90 feet south west of manhole 57 (see FIGURE 4).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years and is undersized. Source of repeated SSO's.	
General Location:	Allen Lane Red Store	
Existing Pipe Material:	Clay	
Project Priority:	Short-Term	
Construction Year (Fiscal):	29-30	
Expenditures	Budget	
CON-Construction Subtotal	\$450,250	
CTGY-CIP Contingency (35%)	\$157,588	
EDA-Eng/Design/Admin (15%)	\$67,538	
ESDC/CM - Cons. Mgmt (10%)	\$45,025	
Expenditure Totals:	\$720,400	
Method of Funding:	Grant Funds	
Funding Amount:	\$720,400	



Sewer Line Replacement, MH 43-45		CS-5
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks and is thus a significant contributor to inflow and infiltration (I/I). The existing line is also undersized to meet demand.	
Project Description:	This project consists of the replacement and installation of approximately 775 linear feet of 8" diameter sewer pipeline and 3 manholes (see FIGURE 3).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years and is undersized. Source of repeated SSO's.	
General Location:	Main Street	
Existing Pipe Material:	Clay	
Project Priority:	Short-Term	
Construction Year (Fiscal):	28-29	
Expenditures	Budget	
CON-Construction Subtotal	\$358,750	
CTGY-CIP Contingency (35%)	\$125,563	
EDA-Eng/Design/Admin (15%)	\$53,813	
ESDC/CM - Cons. Mgmt (10%)	\$35,875	
Expenditure Totals:	\$574,000	
Method of Funding:	Grant Funds	
Funding Amount:	\$574,000	

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Sewer Line Replacement, MH 31-29		CS-6
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks. The line traverses natural drainage and is a significant contributor to inflow and infiltration (I/I).	
Project Description:	This project consists of the replacement and installation of approximately 306 linear feet of 8" diameter sewer pipeline and 2 manholes (see FIGURE 7).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years, traverses natural drainages, and significant sources of I/I.	
General Location:	6 Mile Road @ Scott Street	
Existing Pipe Material:	Clay	
Project Priority:	Short-Term	
Construction Year (Fiscal):	29-30	
Expenditures	Budget	
CON-Construction Subtotal	\$156,500	
CTGY-CIP Contingency (35%)	\$54,775	
EDA-Eng/Design/Admin (15%)	\$23,475	
ESDC/CM - Cons. Mgmt (10%)	\$15,650	
Expenditure Totals:	\$250,400	
Method of Funding:	Grant Funds	
Funding Amount:	\$250,400	



Sewer Line Replacement, MH 40-41		CS-7
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks and is thus a significant contributor to inflow and infiltration (I/I). The existing line is also undersized to meet demand.	
Project Description:	This project consists of the replacement and installation of approximately 105 linear feet of 8" diameter sewer pipeline and 2 manholes (see FIGURE 6).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years and is undersized. Source of repeated SSO's.	
General Location:	Jones Street @ Main	
Existing Pipe Material:	Clay	
Project Priority:	Short-Term	
Construction Year (Fiscal):	29-30	
Expenditures	Budget	
CON-Construction Subtotal	\$176,250	
CTGY-CIP Contingency (35%)	\$61,688	
EDA-Eng/Design/Admin (15%)	\$26,438	
ESDC/CM - Cons. Mgmt (10%)	\$17,625	
Expenditure Totals:	\$282,000	
Method of Funding:	Grant Funds	
Funding Amount:	\$282,000	



Add New Manhole Between MH 94-95		CS-8
Existing Condition and Risk of Failure:	Distance between manholes 94 and 95 exceeds 300' making maintenance and inspection difficult and becoming a frequent source of Sanitary Sewer Overflows (SSO's).	
Project Description:	Additional manhole will be placed directly in between manhole 94 and 95 (see FIGURE 1).	
Reasons for Repair or Replacement:	Improve access- distance between MHs exceeds 300', source of SSOs, close to waterway	
General Location:	Dam Road	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	32-33	
Expenditures	Budget	
CON-Construction Subtotal	\$90,000	
CTGY-CIP Contingency (35%)	\$31,500	
EDA-Eng/Design/Admin (15%)	\$13,500	
ESDC/CM - Cons. Mgmt (10%)	\$9,000	
Expenditure Totals:	\$144,000	
Method of Funding:	Grant Funds	
Funding Amount:	\$144,000	



Sewer Line Replacement, MH 175-179		CS-9
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks and is thus a significant contributor to inflow and infiltration (I/I). The existing line is also undersized to meet demand.	
Project Description:	This project consists of the replacement and installation of approximately 478 linear feet of 8" diameter sewer pipeline and 4 manholes (see FIGURE 2, 3, and 6).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years and is undersized. Source of repeated SSO's.	
General Location:	Church Street by pool	
Existing Pipe Material:	Clay	
Project Priority:	Urgent	
Construction Year (Fiscal):	24-25	
Expenditures	Budget	
CON-Construction Subtotal	\$299,500	
CTGY-CIP Contingency (35%)	\$104,825	
EDA-Eng/Design/Admin (15%)	\$44,925	
EDA-Eng/Design/Admin (10%)	\$29,950	
Expenditure Totals:	\$479,200	
Method of Funding:	MSD Funds	
Funding Amount:	\$479,200	



Clay Pipe Replacement, MH 18 - 14		CS-10
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks and is thus a significant contributor to inflow and infiltration (I/I). The existing line is also undersized to meet demand.	
Project Description:	This project consists of the replacement and installation of approximately 675 linear feet of 6" diameter sewer pipeline. (see FIGURE 6).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years and is undersized. Source of repeated SSO's.	
General Location:	Main Street	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	32-33	
Expenditures	Budget	
CON-Construction Subtotal	\$235,000	
CTGY-CIP Contingency (35%)	\$82,250	
EDA-Eng/Design/Admin (15%)	\$35,250	
EDA-Eng/Design/Admin (10%)	\$23,500	
Expenditure Totals:	\$376,000	
Method of Funding:	Grant Funds	
Funding Amount:	\$376,000	



Clay Pipe Replacement, MH 18 to clean out		CS-11
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks and is thus a significant contributor to inflow and infiltration (I/I). The existing line is also undersized to meet demand.	
Project Description:	This project consists of the replacement and installation of approximately 125 linear feet of 6" diameter sewer pipeline (see FIGURE 6).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years and is undersized. Source of repeated SSO's.	
General Location:	Sheep Ranch	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	32-33	
Expenditures	Budget	
CON-Construction Subtotal	\$60,000	
CTGY-CIP Contingency (35%)	\$21,000	
EDA-Eng/Design/Admin (15%)	\$9,000	
ESDC/CM - Cons. Mgmt (10%)	\$6,000	
Expenditure Totals:	\$96,000	
Method of Funding:	Grant Funds	
Funding Amount:	\$96,000	

Clay Pipe Replacement, MH 82-84		CS-12
<p>Existing Condition and Risk of Failure: The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks. Located near a waterway, this line is a significant contributor to inflow and infiltration (I/I).</p>		
<p>Project Description: This project consists of the replacement and installation of approximately 540 linear feet of 8" diameter sewer pipeline (see FIGURE 3). Clay pipe, age exceeds 50 years and is undersized, close to waterway, and significant source of I/I. Tanner Court Clay Short-Term 30-31 Construction Year (Fiscal):</p>		
<p>Reasons for Repair or Replacement: General Location: Existing Pipe Material: Project Priority: Construction Year (Fiscal):</p>		
<p>Expenditures</p>		
<p>Budget</p>		
<p>CON-Construction Subtotal CTGY-CIP Contingency (35%) EDA-Eng/Design/Admin (15%) ESDC/CM - Cons. Mgmt (10%)</p>		<p>\$255,000 \$89,250 \$38,250 \$25,500</p>
<p>Expenditure Totals:</p>		<p>\$408,000</p>
<p>Method of Funding: Grant Funds</p>		<p>Funding Amount: \$408,000</p>





Clay Pipe Replacement, MH 49-50		CS-13
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks and is thus a significant contributor to inflow and infiltration (I/I). The existing line is also undersized to meet demand.	
Project Description:	This project consists of the replacement and installation of approximately 450 linear feet of 6" diameter sewer pipeline (see FIGURE 4).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years and is undersized. Source of repeated SSO's.	
General Location:	School Street	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	32-33	
Expenditures		Budget
CON-Construction Subtotal		\$180,000
CTGY-CIP Contingency (35%)		\$63,000
EDA-Eng/Design/Admin (15%)		\$27,000
ESDC/CM - Cons. Mgmt (10%)		\$18,000
Expenditure Totals:		\$288,000
Method of Funding:	Grant Funds	
Funding Amount:	\$288,000	



Clay Pipe Replacement, MH 51-52		CS-14
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks and is thus a significant contributor to inflow and infiltration (I/I). The existing line is also undersized to meet demand.	
Project Description:	This project consists of the replacement and installation of approximately 300 linear feet of 6" diameter sewer pipeline (see FIGURE 4).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years and is undersized. Source of repeated SSO's.	
General Location:	Behind Chevron	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	32-33	
Expenditures	Budget	
CON-Construction Subtotal	\$130,000	
CTGY-CIP Contingency (35%)	\$45,500	
EDA-Eng/Design/Admin (15%)	\$19,500	
ESDC/CM - Cons. Mgmt (10%)	\$13,000	
Expenditure Totals:	\$208,000	
Method of Funding:	Grant Funds	
Funding Amount:	\$208,000	



Clay Pipe Replacement, MH 35-29		CS-15
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks. The line traverses natural drainage and is a significant contributor to inflow and infiltration (I/I).	
Project Description:	This project consists of the replacement and installation of approximately 2,040 linear feet of 6" diameter sewer pipeline (see FIGURE 7).	
Reasons for Repair or Replacement:	Traverses natural drainages and small creek, sources of I/I, some old clay construction	
General Location:	Six Mile, Davie & Bottomly Property	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	32-33	
Expenditures		Budget
CON-Construction Subtotal		\$583,000
CTGY-CIP Contingency (35%)		\$204,050
EDA-Eng/Design/Admin (15%)		\$87,450
ESDC/CM - Cons. Mgmt (10%)		\$58,300
Expenditure Totals:		\$932,800
Method of Funding:	Grant Funds	
Funding Amount:	\$932,800	



Clay Pipe Replacement, MH 131-136		CS-16
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks. The line has seen an increase in demand and has resulted in accelerated wear on the pipe.	
Project Description:	This project consists of the replacement and installation of approximately 125 linear feet of 6" diameter sewer pipeline (see FIGURE 2).	
Reasons for Repair or Replacement:	Clay construction over 50 years, increased use and impact, source of repeated SSOs	
General Location:	Williams Street	
Existing Pipe Material:	Clay	
Project Priority:	Short-Term	
Construction Year (Fiscal):	30-31	
Expenditures	Budget	
CON-Construction Subtotal	\$79,250	
CTGY-CIP Contingency (35%)	\$27,738	
EDA-Eng/Design/Admin (15%)	\$11,888	
ESDC/CM - Cons. Mgmt (10%)	\$7,925	
Expenditure Totals:	\$126,800	
Method of Funding:	MSD Funds	
Funding Amount:	\$126,800	



Clay Pipe Replacement, MH 123-124, Add New MH		CS-17
Existing Condition and Risk of Failure:	Distance between manholes 123 and 124 exceeds 300' making maintenance and inspection difficult and becoming a frequent source of Sanitary Sewer Overflows (SSO's).	
Project Description:	This project consists of the replacement and installation of approximately 140 linear feet of 6" diameter sewer pipeline (see FIGURE 2).	
Reasons for Repair or Replacement:	Improve access- distance between MHs exceeds 300', source of SSOs	
General Location:	Apple Blossom	
Existing Pipe Material:	Clay	
Project Priority:	Short-Term	
Construction Year (Fiscal):	30-31	
Expenditures	Budget	
CON-Construction Subtotal	\$220,000	
CTGY-CIP Contingency (35%)	\$77,000	
EDA-Eng/Design/Admin (15%)	\$33,000	
ESDC/CM - Cons. Mgmt (10%)	\$22,000	
Expenditure Totals:	\$352,000	
Method of Funding:	Grant Funds	
Funding Amount:	\$352,000	



Clay Pipe Replacement, MH 103-105		CS-18
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks. The line has seen an increase in demand and has resulted in accelerated wear on the pipe and significant source of Inflow and Infiltration (I/I).	
Project Description:	This project consists of the replacement and installation of approximately 550 linear feet of 6" diameter sewer pipeline (see FIGURE 2).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years. Increased impact and use, source of I/I.	
General Location:	Apple Blossom	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	33-34	
Expenditures	Budget	
CON-Construction Subtotal	\$185,000	
CTGY-CIP Contingency (35%)	\$64,750	
EDA-Eng/Design/Admin (15%)	\$27,750	
ESDC/CM - Cons. Mgmt (10%)	\$18,500	
Expenditure Totals:	\$296,000	
Method of Funding:	Grant Funds	
Funding Amount:	\$296,000	



Clay Pipe Replacement, MH 105-135		CS-19
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks and is thus a significant contributor to inflow and infiltration (I/I). The existing line is also undersized to meet demand.	
Project Description:	This project consists of the replacement and installation of approximately 1,080 linear feet of 6" diameter sewer pipeline (see FIGURE 2).	
Reasons for Repair or Replacement:	Clay pipe, age exceeds 50 years and is undersized. Source of repeated SSO's and I/I.	
General Location:	Apple Blossom	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	33-34	
Expenditures	Budget	
CON-Construction Subtotal	\$366,000	
CTGY-CIP Contingency (35%)	\$128,100	
EDA-Eng/Design/Admin (15%)	\$54,900	
ESDC/CM - Cons. Mgmt (10%)	\$36,600	
Expenditure Totals:	\$585,600	
Method of Funding:	Grant Funds	
Funding Amount:	\$585,600	



Clay Pipe Replacement, MH 172-23		CS-20
Existing Condition and Risk of Failure:	The existing pipe is partially made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks. The line is undersized and has seen an increase in demand and has resulted in accelerated wear on the pipe.	
Project Description:	This project consists of the replacement and installation of approximately 140 linear feet of 6" diameter sewer pipeline (see FIGURE 6).	
Reasons for Repair or Replacement:	Partial clay construction pipe is undersized. Increased impact and use, source of SSOs.	
General Location:	Main Street behind UPUD	
Existing Pipe Material:	Clay	
Project Priority:	Short-Term	
Construction Year (Fiscal):	29-30	
Expenditures	Budget	
CON-Construction Subtotal	\$133,000	
CTGY-CIP Contingency (35%)	\$46,550	
EDA-Eng/Design/Admin (15%)	\$19,950	
ESDC/CM - Cons. Mgmt (10%)	\$13,300	
Expenditure Totals:	\$212,800	
Method of Funding:	Grant Funds	
Funding Amount:	\$212,800	

8/4/2024



Clay Pipe Replacement, MH 14 to LH		CS-21
Existing Condition and Risk of Failure:	The existing pipe is partially made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks. The line is undersized and has seen an increase in demand and has resulted in accelerated wear on the pipe.	
Project Description:	This project consists of the replacement and installation of approximately 660 linear feet of 4" diameter sewer pipeline, 2 manhole, and 1 sewer cleanout (see FIGURE 6).	
Reasons for Repair or Replacement:	Partial clay construction pipe is undersized. Increased impact and use, source of SSOs.	
General Location:	Church Street @ Main	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	33-34	
Expenditures	Budget	
CON-Construction Subtotal	\$297,000	
CTGY-CIP Contingency (35%)	\$103,950	
EDA-Eng/Design/Admin (15%)	\$44,550	
ESDC/CM - Cons. Mgmt (10%)	\$29,700	
Expenditure Totals:	\$475,200	
Method of Funding:	Grant Funds	
Funding Amount:	\$475,200	



Clay Pipe Replacement, MH 14-10		CS-22
Existing Condition and Risk of Failure:	The existing pipe is made of clay and is over 50 years old. Due to its clay construction, it is prone to root intrusion and leaks. The line is a significant source of Inflow and Infiltration (I/I) and Sanitary Sewer Overflows (SSO's).	
Project Description:	This project consists of the replacement and installation of approximately 140 linear feet of 6" diameter sewer pipeline (see FIGURE 6).	
Reasons for Repair or Replacement:	Clay pipe age exceeds 50 years. Significant source of I/I and repeated SSO's.	
General Location:	Main Street @ Kramer	
Existing Pipe Material:	Clay	
Project Priority:	Long-Term	
Construction Year (Fiscal):	33-34	
Expenditures	Budget	
CON-Construction Subtotal	\$78,000	
CTGY-CIP Contingency (35%)	\$27,300	
EDA-Eng/Design/Admin (15%)	\$11,700	
ESDC/CM - Cons. Mgmt (10%)	\$7,800	
Expenditure Totals:	\$124,800	
Method of Funding:	Grant Funds	
Funding Amount:	\$124,800	

8/4/2024



Influent Force Main		CS-23
Existing Condition and Risk of Failure:	The dual-force mains are constructed of asbestos clay and PVC. They are more than 50 years old and in disrepair. The force mains convey sewage from the district to the WWTP, making them an essential asset and a liability to the district.	
Project Description:	This project consists of the replacement and installation of approximately 5,500 linear feet of 8" diameter sewer pipeline.	
Reasons for Repair or Replacement:	Dual-force main constructed of asbestos clay and PVC. Age exceeds 50 years and is in disrepair.	
General Location:	Murphys Grade Road to WWTP	
Existing Pipe Material:	Clay & PVC	
Project Priority:	Immediate	
Construction Year (Fiscal):	25-26	
Expenditures	Budget	
CON-Construction Subtotal	\$2,130,000	
CTGY-CIP Contingency (35%)	\$745,500	
EDA-Eng/Design/Admin (15%)	\$319,500	
ESDC/CM - Cons. Mgmt (10%)	\$213,000	
Expenditure Totals:	\$3,408,000	
Method of Funding:	Grant Funds	
Funding Amount:	\$3,408,000	



Sand Filtration System		WWTP-1
Existing Condition and Risk of Failure:	The existing sand filtration system has not been updated since 1985 and has experienced adverse effects due to high heat and algae blooms.	
Project Description:	The project consists of providing a sand filtration system.	
Reasons for Repair or Replacement:	Project will provide a sand filtration system that will allow MSD to meet Title 22 water standards for recycling, result in improvements to operation and maintenance, and overall system performance.	
General Location:	WWTP	
Project Priority:	Immediate	
Construction Year (Fiscal):	26-27	
Expenditures	Budget	
CON-Construction Subtotal	\$400,000	
CTGY-CIP Contingency (35%)	\$140,000	
EDA-Eng/Design/Admin (15%)	\$60,000	
ESDC/CM - Cons. Mgmt (10%)	\$40,000	
Expenditure Totals:	\$640,000	
Method of Funding:	Grant Funds	
Funding Amount:	\$640,000	



Disinfection System		WWTP-2
Existing Condition and Risk of Failure:	The existing disinfection system requires frequent maintenance and has resulted in a decrease in water quality.	
Project Description:	This project consists of upgrades to the influent piping and chemical injection system.	
Reasons for Repair or Replacement:	Chemical piping and injection upgrades will improve water quality, efficiency, and system performance.	
General Location:	WWTP	
Project Priority:	Immediate	
Construction Year (Fiscal):	26-27	
Expenditures		Budget
CON-Construction Subtotal		\$50,000
CTGY-CIP Contingency (35%)		\$17,500
EDA-Eng/Design/Admin (15%)		\$7,500
ESDC/CM - Cons. Mgmt (10%)		\$5,000
Expenditure Totals:		\$80,000
Method of Funding:	MSD Funds	
Funding Amount:	\$80,000	



Backup Generator		WWTP-3
Existing Condition and Risk of Failure:	The existing backup generator requires frequent maintenance and has resulted in a decreased site security.	
Project Description:	The project involves replacing the existing backup generator.	
Reasons for Repair or Replacement:	Replacing the existing backup generator will improve reliability and reduce maintenance.	
General Location:	WWTP	
Project Priority:	Short-Term	
Construction Year (Fiscal):	27-28	
Expenditures		Budget
CON-Construction Subtotal		\$225,000
CTGY-CIP Contingency (35%)		\$78,750
EDA-Eng/Design/Admin (15%)		\$33,750
ESDC/CM - Cons. Mgmt (10%)		\$22,500
Expenditure Totals:		\$360,000
Method of Funding:	Grant Funds	
Funding Amount:	\$360,000	



Site Fencing		WWTP-4
Existing Condition and Risk of Failure:	The existing fencing is dated and offers very little site security.	
Project Description:	This project includes the installation of fencing around the WWTP.	
Reasons for Repair or Replacement:	Installing fencing around finishing pond will improve overall site safety and security.	
General Location:	WWTP	
Project Priority:	Short-Term	
Construction Year (Fiscal):	27-28	
Expenditures		Budget
CON-Construction Subtotal		\$300,000
CTGY-CIP Contingency (35%)		\$105,000
EDA-Eng/Design/Admin (3%)		\$9,000
ESDC/CM - Cons. Mgmt (3%)		\$9,000
Expenditure Totals:		\$423,000
Method of Funding:	Grant Funds	
Funding Amount:	\$423,000	



Pond 3 Sludge Removal		WWTP-5
Existing Condition and Risk of Failure:	Sludge accumulation due to the treatment process has reduced the effectiveness of the pond.	
Project Description:	This project consists of the sludge removal and disposal for Pond 3.	
Reasons for Repair or Replacement:	Removing sludge from Pond 3 will improve the treatment capacity and operation efficiency.	
General Location:	WWTP	
Project Priority:	Immediate	
Construction Year (Fiscal):	26-27	
Expenditures	Budget	
CON-Construction Subtotal	\$552,500	
CTGY-CIP Contingency (0%)	\$0	
EDA-Eng/Design/Admin (0%)	\$0	
ESDC/CM - Cons. Mgmt (0%)	\$0	
Expenditure Totals:	\$552,500	
Method of Funding:	Grant Funds	
Funding Amount:	\$552,500	

8/4/2024



Repair/Replacement of Trucks/Vehicles		EQ-1
Existing Condition and Risk of Failure:	Existing vehicles are dated and incur significant costs to operate and maintain.	
Project Description:	This project consists of the replacement of district vehicles.	
Reasons for Repair or Replacement:	Project will improve the performance and reliability of vehicles necessary to operate and maintain system.	
Project Priority:	Short-Term	
Construction Year (Fiscal):	27-28	
Expenditures		Budget
CON-Construction Subtotal		\$100,000
CTGY-CIP Contingency (0%)		\$0
EDA-Eng/Design/Admin (0%)		\$0
ESDC/CM - Cons. Mgmt (0%)		\$0
Expenditure Totals:		\$100,000
Method of Funding:	MSD Funds	
Funding Amount:	\$100,000	



Hydro Flusher		EQ-2
Existing Condition and Risk of Failure:	Current hydroflusher was purchased in 2020 and has an expected useful life of 10 years.	
Project Description:	This project consists of purchasing a new Hydro Flusher	
Reasons for Repair or Replacement:	Project will improve maintenance system and overall system performance.	
Project Priority:	Short-Term	
Construction Year (Fiscal):	27-28	
Expenditures		Budget
CON-Construction Subtotal		\$70,000
CTGY-CIP Contingency (0%)		\$0
EDA-Eng/Design/Admin (0%)		\$0
ESDC/CM - Cons. Mgmt (0%)		\$0
Expenditure Totals:		\$70,000
Method of Funding:	MSD Funds	
Funding Amount:	\$70,000	



Sewer Camera		EQ-3
Existing Condition and Risk of Failure:	The district facilities are not monitored with cameras, making it difficult to assess the condition of the system.	
Project Description:	This project consists of installing cameras to monitor the sewer system.	
Reasons for Repair or Replacement:	Project will allow MSD to better identify condition of system.	
Project Priority:	Immediate	
Construction Year (Fiscal):	26-27	
Expenditures		Budget
CON-Construction Subtotal		\$20,000
CTGY-CIP Contingency (0%)		\$0
EDA-Eng/Design/Admin (0%)		\$0
ESDC/CM - Cons. Mgmt (0%)		\$0
Expenditure Totals:		\$20,000
Method of Funding:	MSD Funds	
Funding Amount:	\$20,000	



Security Camera		EQ-4
Existing Condition and Risk of Failure:	The district facilities are not monitored with cameras, creating a security risk.	
Project Description:	This project consists of installing security cameras at the district facilities.	
Reasons for Repair or Replacement:	Project will improve overall site safety and security.	
Project Priority:	Long-Term	
Construction Year (Fiscal):	33-34	
Expenditures		Budget
CON-Construction Subtotal		\$8,000
CTGY-CIP Contingency (0%)		\$0
EDA-Eng/Design/Admin (0%)		\$0
ESDC/CM - Cons. Mgmt (0%)		\$0
Expenditure Totals:		\$8,000
Method of Funding:	MSD Funds	
Funding Amount:	\$8,000	



Technology		EQ-5
Existing Condition and Risk of Failure:	The existing administration computers, operation computers, and District software are antiquated.	
Project Description:	Replace antiquated technology.	
Reasons for Repair or Replacement:	Improve staff efficiency and operation.	
Project Priority:	Immediate	
Construction Year (Fiscal):	26-27	
Expenditures		Budget
CON-Construction Subtotal		\$22,000
CTGY-CIP Contingency (0%)		\$0
EDA-Eng/Design/Admin (0%)		\$0
ESDC/CM - Cons. Mgmt (0%)		\$0
Expenditure Totals:		\$22,000
Method of Funding:	MSD Funds	
Funding Amount:	\$22,000	

8/4/2024



Office Building		BF-1
Existing Condition and Risk of Failure:	The Office is structurally dated and has multiple leaks from the roof and interior walls.	
Project Description:	The project consists of replacing the Office building.	
Reasons for Repair or Replacement:	Leaks coming from roof and interior walls. Building is structurally dated and beyond its useful life.	
Project Priority:	Long-Term	
Construction Year (Fiscal):	34-35	
Expenditures		Budget
CON-Construction Subtotal		\$450,000
CTGY-CIP Contingency (35%)		\$157,500
EDA-Eng/Design/Admin (15%)		\$67,500
ESDC/CM - Cons. Mgmt (10%)		\$45,000
Expenditure Totals:		\$720,000
Method of Funding:	Grant Funds	
Funding Amount:	\$720,000	

8/4/2024



Maintenance Facility		BF-2
Existing Condition and Risk of Failure:	The existing building is structurally dated with leaks coming from the roof over the lab area.	
Project Description:	This project consists or replacing the Maintenance facility.	
Reasons for Repair or Replacement:	Leaks are coming from the roof over the lab area. Building is structurally dated and requires a new roof.	
Project Priority:	Long-Term	
Construction Year (Fiscal):	34-35	
Expenditures		Budget
CON-Construction Subtotal		\$450,000
CTGY-CIP Contingency (35%)		\$157,500
EDA-Eng/Design/Admin (15%)		\$67,500
ESDC/CM - Cons. Mgmt (10%)		\$45,000
Expenditure Totals:		\$720,000
Method of Funding:	Grant Funds	
Funding Amount:	\$720,000	



APPENDIX C

MSD 24/25 Budget and MSD Revenue Requirement

Fiscal Year 24/25 Adopted Budget



Income	
Sewer Service Charges	915,404.00
Misc Income	252,700.00
Total	1,168,104.00
Debt Service Loan Payment-SWRCB	(43,671.00)
Operating Expense	
Wages	(421,920.00)
Benefits	(247,712.00)
Payroll Tax Liabilities	(35,000.00)
Workers Compensation	(11,250.00)
Repairs & Maintenance-Operations	(14,500.00)
Supplies-Operations	(50,850.00)
Utilities-Operations	(99,000.00)
Other-Operations	(33,700.00)
Rent/Leases-Administration	(720.00)
Supplies-Administration	(14,160.00)
Utilities-Administration	(8,050.00)
Other-Administration	(19,100.00)
Insurance-Administration	(40,000.00)
Outside Services-Administration	(66,730.00)
Permit/Licenses-Administration	(41,000.00)
Customer Outreach-Administration	(2,500.00)
Due to Reserve	18,241.00
Reserve Funds	
Income from Operating +/-	18,241.00
Capital Reserve Fund	1,057,619.00
Equipment Reserve Fund	403,052.00
Debt Service Reserve-Restricted Fund	44,000.00
Emergency Operating Reserve Fund	224,000.00
Special Use/Designated Project Fund	661,185.00
	2,408,097.00
24/25 Capital Reserve Projects	(568,000.00)
24/25 Equipment Reserve Repair/Replacement	(18,500.00)
Reserve Fund Balance	1,821,597.00

Murphys Sanitary District
Approved Operating Budget Revenue FY 2024/2025

2024/25 Approved Budget

4100 · Srv Chrgs - Residential	665,280.00
4102 · Srv Chrgs - Apartments	59,760.00
4104 · Srv Chrgs - Lodges/Churches	8,551.00
4106 · Srv Chrgs - School	3,552.00
4108 · Srv Chrgs - Commercial	178,261.00
Total Sewer Usage Fees	915,404.00
4999 · Rental Income	7800.00
4110 · Pln Chk & Inspection Fees	300.00
4111 · Late Fees	2000.00
4120 · Taxes	140000.00
4130 · Other Services-Autopay set up	500.00
4140 · General Reserve Interest	100000.00
4150 · Vacant lot Billing	1600.00
4160 · Refunds - Rebates	500.00
Total Misc Income	252,700.00
2024/2025 OPERATING REVENUE	1,168,104.00

Murphys Sanitary District

Operating Budget Expenditures 2024/2025

	Approved					% Change
	Jul '23 - Jan'24	Feb'24 - June'24	EOY Projection	23/24 Budget	2024/2025 Budget	
Wages/Staff and Board						
Wages - Operations	125,925.00	94,365.00	220,290.00	227,497.00	252,213.00	
Wages - Office	68,557.01	49,000.00	117,557.01	123,042.00	150,207.00	
Wages-Board					6,000.00	
Overtime - Operations	1,632.42	1,367.58	3,000.00	3,000.00	3,000.00	
On-Call Comp - Operations	6,600.00	3,900.00	10,500.00	10,500.00	10,500.00	
			-			
Total Wages	202,714.43	148,632.58	351,347.01	364,039.00	421,920.00	16%
Employee Benefits						
Health Insurance - Operations	73,894.02	49,778.78	123,672.80	120,000.00	124,800.00	
Health Insurance Administration	26,545.81	17,243.78	43,789.59	42,000.00	88,800.00	
calPERS Retirement - Operations	11,799.15	8,351.34	20,150.49	19,715.00	20,550.00	
calPERS Retirement - Admin	4,868.03	3,400.65	8,268.68	8,330.00	9,462.00	
Accured Vac-Ops	0.00	2,562.00	2,562.00	2,562.00	4,100.00	
Accurd Vac-Admin	0.00	-	-		-	
Total Employee Benefits	117,107.01	81,336.55	198,443.56	192,607.00	247,712.00	29%
Payroll Taxes						
FICA-Medicare-SS	17,767.21	13,300.00	31,067.21	38,500.00	35,000.00	
Total PR Taxes	17,767.21	13,300.00	31,067.21	38,500.00	35,000.00	-9%
Workers' Compensation						
Workers' Comp -- Operations	9,382.18	-	9,382.18	16,000.00	9,000.00	
Workers' Comp -- Board	0.00	-	-	23.00		
Workers' Comp. -- Administration	620.00	-	620.00	700.00	2,250.00	
Total Workers' Compensation	10,002.18	-	10,002.18	16,723.00	11,250.00	-33%
Operations - Maint & Repairs						
R&M - Collection	1,778.04	1,221.96	3,000.00	3,000.00	3,000.00	
R&M - Treatment	1,994.66	1,005.34	3,000.00	3,000.00	3,000.00	
R&M - Truck	993.35	1,000.00	1,993.35	4,000.00	4,000.00	
R&M - Tractor	60.31	-	500.00	500.00	500.00	
R&M-Trailer-Trash Pumps	9.69	-	500.00	500.00	500.00	
R&M - Hydro Equipment	1,391.99	35.30	1,427.29	1,500.00	2,000.00	
R&M - Sm! Tools & Equipment	759.04	74.46	833.50	1,000.00	1,500.00	
Total Operations - Maint & Repairs	6,987.08	3,337.06	11,254.14	13,500.00	14,500.00	7%

Murphys Sanitary District

Operating Budget Expenditures 2024/2025

	Approved					% Change
	Jul '23 - Jan'24	Feb'24 - June'24	EOY Projection	23/24 Budget	2024/2025 Budget	
Operations - Supplies						
Equipment Rental	0.00	-	-	350.00	350.00	
Fuel	4,150.58	1,940.01	6,090.59	8,500.00	7,500.00	
Collection	166.51	561.14	727.65	1,500.00	1,500.00	
Chemicals-Treatment	18,495.34	6,000.00	24,495.34	37,000.00	30,000.00	
Office Supplies	1,070.29	900.00	1,970.29	2,000.00	2,000.00	
Safety Supplies	597.30	400.00	997.30	1,000.00	1,000.00	
Uniforms	1,871.10	1,100.00	2,971.10	4,000.00	3,000.00	
Software Updates-GIS	564.02	1,435.98	2,000.00	2,000.00	5,500.00	
Total Operations - Supplies	26,915.14	12,337.13	37,252.27	56,350.00	50,850.00	-10%
Operations - Utilities						
Collections - Electric/Water	13,899.11	15,084.70	28,983.81	30,000.00	30,000.00	
WWTP - Electric/Water	37,596.21	19,750.00	57,346.21	45,000.00	65,000.00	
Telephone - Internet	1,947.66	1,626.35	3,574.01	4,500.00	4,000.00	
Total Operations - Utilities	53,442.98	36,461.05	89,904.03	79,500.00	99,000.00	25%
Operations - Other						
Education Operations	1,209.13	1,790.87	3,000.00	3,000.00	3,000.00	
Research - Monitoring	16,563.60	6,492.50	23,056.10	24,000.00	24,000.00	
Answering Service	2,109.00	1,670.00	3,779.00	3,550.00	3,800.00	
Security-Alarm Service	3,029.85	600.00	3,629.85	3,700.00	2,900.00	
Total Operations - Other	22,911.58	10,553.37	33,464.95	34,250.00	33,700.00	-2%
Administrative - Rents - Leases						
7050.10 Rents & Leases - Collection	720.00	-	720.00	720.00	720.00	
Total Administrative - Rents - Leases	720.00		720.00	720.00	720.00	0%
Administrative - Supplies						
Office Supplies	2,215.00	1,534.66	3,749.66	4,000.00	4,000.00	
Operating Expenses	435.83	1,300.00	1,735.83	1,500.00	1,500.00	
Postage	1,471.26	375.00	1,846.26	1,500.00	2,000.00	
Printing-Carbon Copy	203.38	107.11	310.49	300.00	360.00	
Publications	0.00	300.00	300.00	300.00	300.00	
Office Software and Updates	1,819.65	1,429.75	3,249.40	3,000.00	6,000.00	
IT Updates and Repair	145.00	180.00	325.00	500.00		
Total Administrative - Supplies	6,290.12	5,226.52	11,516.64	11,100.00	14,160.00	27%
Administrative - Utilities						
Alarm Service Office			-		1,000.00	
Electric & Water Office	1,750.26	1,791.00	3,541.26	4,500.00	3,900.00	
Telephone & Internet Access	3,171.87	981.71	4,153.58	4,200.00	3,150.00	
Total Administrative - Utilities	4,922.13	2,772.71	7,694.84	8,700.00	8,050.00	-7.5%

Murphys Sanitary District

Operating Budget Expenditures 2024/2025

	Approved					% Change
	Jul '23 - Jan'24	Feb'24 - June'24	EOY Projection	23/24 Budget	2024/2025 Budget	
Administrative - Other						
Bank Charges - Vanco Fees	939.34	587.50	1,526.84	1,440.00	1,600.00	
County Lien Costs -Mileage	105.06	101.00	206.06	500.00	500.00	
Education	1,425.01	3,074.99	4,500.00	4,500.00	4,500.00	
Memberships	10,587.77	1,007.15	11,594.92	10,000.00	7,000.00	
Grant Expenses	0.00	-	2,500.00	2,500.00	2,500.00	
15 Ernest St Building RM	1,837.58	1,000.00	2,837.58	3,000.00	3,000.00	
Total Administrative - Other	14,894.76	5,770.64	23,165.40	21,940.00	19,100.00	-13%
Administrative - Insurance						
Liability - Property Ins	36,662.64	-	36,662.64	35,000.00	40,000.00	
Total Administrative - Insurance	36,662.64		36,662.64	35,000.00	40,000.00	14%
Administrative – Outside						
Accounting Services	9,500.00	-	9,500.00	10,000.00	10,000.00	
Engineering Services	652.50	4,347.50	5,000.00	5,000.00	5,000.00	
Legal Services	4,615.80	7,000.00	11,615.80	6,000.00	20,000.00	
Consultant Services	0.00	6,370.00	6,370.00	0.00	28,630.00	
Board Expenses	6,394.53	4,252.20	10,646.73	11,000.00	2,600.00	
IT Maintenance & Repair	190.00		190.00	1,200.00	500.00	
Software Update-PQ, PR, SL	1,164.76		1,164.76	1,500.00	0.00	
Total Administrative – Outside	22,517.59	21,969.70	43,132.53	34,700.00	66,730.00	91%
Administrative - Permits						
State Permits-Reporting	30,803.00	-	30,803.00	41,000.00	41,000.00	
Plan Check Permits -	0.00	-	300.00	300.00	0.00	
Total Administrative - License-Permit	30,803.00	-	31,103.00	41,300.00	41,000.00	-1%
Administrative - Advertising						
Advertising	461.18	-	500.00	500.00	500.00	
Customer Outreach	0.00	-	750.00	750.00	2,000.00	
Total Administrative - Advertising	461.18	0.00	1,250.00	1,250.00	2,500.00	100%

Murphys Sanitary District

Operating Budget Expenditures 2024/2025

Approved

Administrative – Engineering

Engineering-General

	Jul '23 - Jan'24	Feb'24 - June'24	EOY Projection	23/24 Budget	2024/2025 Budget	% Change
Engineering-General	-	-	-	5,000.00	-	0%
Totals			917,980.40	955,179.00	1,106,192.00	16%

2024/2025 Projected Revenue 1,168,104.00

2024/2025 Projected Expenditures 1,106,192.00

DEBT OBLIGATIONS

Debt Service-SWRCB

61,912.00

Annual Payment 4/1/2025 (43,671.00)

2024/2025 Reserve Contribution 18,241.00

Table 1 – Projected Revenue Requirement

Expenses and Revenues	Annual Increase	FY 2024 Budget	FY 2025 Yr 1	FY 2026 Yr 2	FY 2027 Yr 3	FY 2028 Yr 4	FY 2029 Yr 5	FY 2030 Yr 6
Operating Expenses								
Personnel	6.5%	\$611,870	\$651,640	\$694,000	\$739,110	\$787,150	\$838,310	\$892,800
Utilities	10.0%	\$79,500	\$87,450	\$96,200	\$105,820	\$116,400	\$128,040	\$140,840
Operations & Repairs	6.0%	\$104,100	\$110,350	\$116,970	\$123,990	\$131,430	\$139,320	\$147,680
Licenses & Permits	5.0%	\$41,300	\$43,370	\$45,540	\$47,820	\$50,210	\$52,720	\$55,360
Insurance	10.0%	\$35,000	\$38,500	\$42,350	\$46,590	\$51,250	\$56,380	\$62,020
Professional Services	3.5%	\$29,700	\$30,740	\$31,820	\$32,930	\$34,080	\$35,270	\$36,500
Administrative Costs	3.0%	\$48,710	\$50,170	\$51,680	\$53,230	\$54,830	\$56,470	\$58,160
Total Operating Expenses		\$950,180	\$1,012,220	\$1,078,560	\$1,149,490	\$1,225,350	\$1,306,510	\$1,393,360
Capital Activities								
Cash-Funded CIP		\$758,500	\$328,400	\$270,500	\$354,400	\$321,200	\$352,900	\$367,100
System Rehabilitation		\$0	\$187,000	\$189,500	\$193,000	\$196,000	\$199,000	\$202,500
Total Capital Activities		\$758,500	\$515,400	\$460,000	\$547,400	\$517,200	\$551,900	\$569,600
Debt								
Debt Service (SRF Loan)		\$43,670	\$43,670	\$43,670	\$43,670	\$43,670	\$43,670	\$43,670
Potential Debt WWTP Phase 2						\$240,430	\$240,430	\$240,430
Total Debt		\$43,670	\$43,670	\$43,670	\$43,670	\$284,100	\$284,100	\$284,100
Total Annual Costs		\$1,752,350	\$1,571,290	\$1,582,230	\$1,740,560	\$2,026,650	\$2,142,510	\$2,247,060
Credits								
Property Taxes	2.0%	\$150,000	\$153,000	\$156,060	\$159,180	\$162,360	\$165,610	\$168,920
Investment Income	0.0%	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000
Miscellaneous	0.0%	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Total Credits		\$205,000	\$208,000	\$211,060	\$214,180	\$217,360	\$220,610	\$223,920
Revenue Requirement		\$1,547,350	\$1,363,290	\$1,371,170	\$1,526,380	\$1,809,290	\$1,921,900	\$2,023,140
Estimated FY24 Rate Revenue		\$894,950	\$894,950	\$894,950	\$894,950	\$894,950	\$894,950	\$894,950
Funding Gap		(\$652,400)	(\$468,340)	(\$476,220)	(\$631,430)	(\$914,340)	(\$1,026,950)	(\$1,128,190)

Source: District financial records and HEC May 2024.

rev req

Notes:

- FY 2024 budgeted expenses are shown in Table 2.
- Overall, the operating expenses are projected to increase about 6.5% each year. Historically they have increased 9.9% each year (see Table 3).
- CIP cost estimates are included in Table 5.
- System rehabilitation costs are estimated in Table 6.
- Debt tables shown in Tables 7 & 8.
- Historical other revenue sources (credits) shown in Table 4.
- Property tax increase is conservative at 2% (historical avg. is 5.7%) per year.
- Due to volatility of markets and miscellaneous revenues, the investment income and miscellaneous revenues are assumed to remain constant.



STAFF REPORT

DATE: August 8, 2024

TO: Members of the Board

FROM: Kristina Fillmore, Administration Manager

SUBJECT: Adoption of Resolution 2024-06 Authorizing Administration Manager as the Administrator for United States Rural Development (USDA) Loan/Grant application

Recommendation:

Staff recommend adoption of Resolution 2024-06 Authorizing Administration Manager to Act as Administrator of USDA Loan/Grant application.

Discussion:

The District is currently investigating funding options through USDA rural development. The program provides funding for wastewater construction and/or improvement of sewer collection, transmission, treatment and disposal. Funding options include long term, low interest loans, and if funds are available a grant maybe combined with a loan to keep user costs reasonable.

To proceed with the application process, the Board must grant authorization to the Administration Manager of the District to proceed with the application process which includes signing, certifying, assign roles to the District's designees, and submitting online application through the RD Apply website portal.

Fiscal Impact:

If the District is awarded with any grant or a loan and grant combination from USDA, it would offer some financial support for essential projects identified in the Capital Improvement Plan (CIP) and help lessen the financial burden for the District.

RESOLUTION 2024-06

Resolution of the Board of Directors of Murphys Sanitary District Authorizing Administration Manager as Application Administrator for United States Rural Development Grant/Loan Application

Whereas by the Murphys Sanitary District Board of Director’s, authorize the Administration Manager to Act as Administrator to sign, certify, assign roles, and submit an application in Rural Development Apply for grant and/or loan assistance with the United States Department of Agriculture (USDA); and

Whereas the Administration Manager of the District is hereby authorized to negotiate and execute a financial assistance agreement from the United States Department of Agriculture (USDA), and any amendments or change orders thereto; and

THEREFORE, BE IT RESOLVED, that the Administration Manager of the District is hereby authorized to provide the assurances, certifications, and commitments required for the financial assistance application; and

THEREFORE, BE IT RESOLVED, that the Administration Manager is hereby authorized to represent the Entity in carrying out the Entity's responsibilities under the grant and/or loan application process; and

THE FOREGOING RESOLUTION was duly approved and adopted by the Board of Directors of the Murphys Sanitary District at its regular meeting on August 8, 2024 by the following vote:

Adopted on the motion of director _____, seconded by director _____

PASSED AND ADOPTED this 8th day of August by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Paige McMath Jue
Board President

ATTEST:

Amy Milliken
Board Clerk

Water and Waste Disposal Predevelopment Planning Grants

What does this program do?

This program helps eligible low-income communities plan and develop applications for proposed USDA Rural Development water or waste disposal projects.

Who can apply?

- **Most state and local governments**
- **Nonprofit organizations**
- **Federally recognized Tribes**
(A list is available at this link: <https://tinyurl.com/4vfb3n4m>)

What is an eligible area?

- Rural areas and towns with populations of 10,000 or fewer. (Check your eligibility at this link: <https://go.usa.gov/xhWZ2>)
- Federally-recognized Tribal lands
- Colonias

NOTE: The area must have a median household income below the poverty line or less than 80 percent of the statewide non-metropolitan median household income.

How can funds be used?

This program helps eligible low-income communities plan and develop applications for proposed USDA Rural Development water or waste disposal projects.

What are the grant terms?

- Grants cannot be used to pay for work already completed.
- The amount of the grant will be subtracted from the total grant eligibility if a USDA grant is awarded for part of the water or waste disposal project.
- These grants do not have to be paid back if the application for the USDA direct loan or loan and grant combination is not successful.
- Grants are based on demonstrated need and availability of funds.

- Partnerships with other federal, state, and local organizations are encouraged, and grants are awarded only when the applicant cannot afford to borrow the needed funds.

Is there a maximum grant amount?

The maximum grant award is \$60,000 — or 75 percent of predevelopment planning costs.

Are matching funds required?

Yes. At least 25 percent of the project cost must come from the applicant or third-party sources. In-kind contributions do not count toward this minimum.

How do we get started?

Applications are accepted year-round through your local Rural Development office. (A list of offices is available at: <https://tinyurl.com/2p9ewras>)

Program resources — forms needed, guidance, certifications and more —are available online at this link: <https://go.usa.gov/xzBym>.

Who can answer questions?

- Help is always available through your local Rural Development office. (A list of offices is available at: <https://tinyurl.com/2p9ewras>)
- Participating nonprofit associations also offer assistance and training. You can work with your local Rural Development staff to learn about available help in your area.

Water and Waste Disposal Predevelopment Planning Grants

What governs this program?

- Code of Federal Regulations, 7 CFR 1780. (Information is available at this link: <https://tinyurl.com/5t4ds79e>)
- Section 306 of the Consolidated Farm and Rural Development Act (information is available at this link: <https://tinyurl.com/23hjt2et>)

Forms and Resources

NOTE: Please speak to a program specialist in the state in which your proposed project is located before you attempt to complete your application. (A list of offices is available at this link: <https://tinyurl.com/2p9ewras>)



USDA's Water and Waste Disposal
Predevelopment Planning Grant website

NOTE: Because information changes, always consult official program instructions or contact your local Rural Development office for help. A list is available at this link: <https://go.usa.gov/xJHPE>. You will find additional resources, forms, and program information at <https://rd.usda.gov>.
USDA is an equal opportunity provider, employer, and lender.

Special Evaluation Assistance for Rural Communities and Households Grants

What does this program do?

This program helps small, financially-distressed rural communities pay for predevelopment feasibility studies, design, and technical assistance for proposed water and waste disposal projects.

Who can apply?

- **Most state and local governments**
- **Nonprofit organizations**
- **Federally-recognized Tribes**

What is an eligible area?

Eligible service areas must be rural, considered financially distressed, and:

- Be located in cities, towns, or unincorporated areas with populations of 2,500 or fewer, according to the most recent U.S. Census data
- Have median household incomes either below the poverty line - or less than 80 percent of the statewide, nonmetropolitan median household income - using 2006 - 2010 American Community Survey data.

How can funds be used?

Grant funds can be used to pay for eligible predevelopment planning costs and activities, including:

- Feasibility studies to support applications for funding water or waste disposal projects
- Preliminary design and engineering analysis
- Technical assistance to develop applications for financial assistance

Are there additional requirements?

Yes. Predevelopment planning costs must be related to a proposed project that:

- Builds, enlarges, extends, or improves rural water, wastewater, solid waste, or storm water disposal facilities

- Builds or relocates public or private buildings, roads, bridges, fences, or utilities, or makes other improvements necessary for the successful operation or protection of facilities

How do we get started?

- Applications are accepted year-round through your local USDA Rural Development office. A list is available at this link: <https://go.usa.gov/xtpEe>.
- Program resources such as guidance, forms, certifications, and so on, are available at this link: <https://go.usa.gov/xzBQD>.

What governs this program?

- Code of Federal Regulations, Title 7, Part 1774, available at this link: <https://tinyurl.com/52byeruf>
- Section 306 of the Consolidated Farm and Rural Development Act, available at this link: <https://go.usa.gov/xMT4s>

NOTE: Because information changes, always consult official program instructions or contact your local Rural Development office for help. A list is available at this link: <https://go.usa.gov/xJHPE>. You will find additional resources, forms, and program information at <https://rd.usda.gov>. USDA is an equal opportunity provider, employer, and lender.



STAFF REPORT

DATE: August 8, 2024
TO: Members of the Board
FROM: Kristina Fillmore, Administration Manager
SUBJECT: Adoption of Resolution 2024-07 Adopting District Compensation Policy and District Wage Scale

Recommendation: Staff recommend the adoption of the District Compensation Policy and District Wage Scale.

Discussion:

During the regular board meeting held on June 13, 2024, an in-depth discussion about the proposed District Wage Scale. Taking into consideration the Board's feedback, staff incorporated these suggestions into a District Compensation Policy. This policy aims to establish clear procedures that ensure consistency for the staff and the Board.

The proposed salary schedule offers a more structured and controlled framework, aiding the District in forecasting future budgetary requirements. Aligning our salaries with the competitive industry market rates is essential to retain our skilled workforce. It is important to understand that COLA and merit increases are not the same. Merit focuses on employee performance and COLA is designed to ensure employees' pay keeps up with the rate of inflation. A COLA will trigger a revision of the District Wage Scale.

The Board is responsible for approving the District Wage Scale on an annual basis as part of the budget review process. Management has the authority to implement the District Wage Scale, however only the Board can approve changes.

RESOLUTION NO. 2024-07

Resolution of the Board of Directors of Murphys Sanitary District Adopting the District Compensation Policy and District Wage Scale Effective July 1, 2024

Whereas the Board of Directors of Murphys Sanitary District has received, reviewed, and considered the District Compensation Policy and District Wage Scale during their August 8, 2024 meeting; and

Whereas the District Compensation Policy establishes clear procedures that ensure consistency among the staff, Management and Board. It applies to both full and part time staff, as well as board members offering a comprehensive strategy for managing compensation; and

Whereas the District Compensation Policy shall align with the District Wage Scale that is reviewed and approved by the Board annually; and

THEREFORE, BE IT RESOLVED, the Board of Directors of Murphys Sanitary District approves and adopts the District Compensation Policy; and

THEREFORE, BE IT RESOLVED, the Board of Directors of Murphys Sanitary District hereby approves and adopts the following as the District Wage Scale effective July 1, 2024:



MURPHYS SANITARY DISTRICT
 DISTRICT WAGE SCALE
 EFFECTIVE:
Includes 5% step increase

JOB POSITION	STEP A	STEP B	STEP C	STEP D	STEP E
Customer Service Representative	\$ 21.22	\$ 22.28	\$ 23.40	\$ 24.56	\$ 25.79
Account Specialist/Clerk of the Board	\$ 26.82	\$ 28.16	\$ 29.57	\$ 31.05	\$ 32.60
Wastewater Treatment/Field Supervisor	\$ 40.17	\$ 42.18	\$ 44.29	\$ 46.50	\$ 48.83
Wastewater Operator G-I	\$ 27.36	\$ 28.73	\$ 30.16	\$ 31.67	\$ 33.26
Wastewater Operator G-II	\$ 30.29	\$ 31.80	\$ 33.39	\$ 35.06	\$ 36.82
Administration Manager	\$ 37.13	\$ 38.99	\$ 40.94	\$ 42.98	\$ 45.13
Operations Manager *	\$ 95,481.00	\$ 100,255.05	\$ 105,267.80	\$ 110,531.19	\$ 116,057.75
Board of Directors	\$ 100.00 Per Meeting				

*Board approved salary status for Operations Manager 5/2023

Longevity/Incentive: 5 Years	\$ 1,200.00
10 Years	\$ 3,000.00
15 Years	\$ 4,500.00

THEREFORE, BE IT RESOLVED, the resolution was duly approved and adopted by the Board of Directors of the Murphys Sanitary District at its regular meeting on August 8, 2024 by the following vote:

Adopted on the motion of director _____, seconded by director _____

PASSED AND ADOPTED THIS 8TH day of August by the following vote:

AYES:

NOES:

ABSENT/ABSTAIN:

President, Board of Directors of Murphys Sanitary District

Attest:

Clerk, Board of Directors of Murphys Sanitary District

POLICY TITLE: DISTRICT COMPENSATION POLICY

POLICY NUMBER: 2440

The Murphys Sanitary District is committed to providing a comprehensive strategy for managing employee compensation. The purpose of this policy is to ensure fairness, create alignment and clarity, so employees know how, why, and what they are getting paid. The District's primary focus is on maintaining competitiveness, while establishing and evaluating wages based on meeting current industry trends. This policy applies to all full and part-time employees of the District. Compensation for each role within the District is determined by various factors, including experience, education, certifications, and performance.

District Wage Scale

A Board approved wage scale organizes compensation levels in incremental steps for every position within the District. District Management has the authority to reward merits in accordance with the approved wage scale. This system ensures transparency in the compensation process, allowing employees to clearly understand their potential career growth within the District. Periodic reviews and adjustments to the wage scale may be conducted to reflect changes in the economic environment and the strategic objectives of the District.

Step Definition

Step A: Entry level position of experienced, qualified candidates who could perform at a high level with little to no training. Operators shall have the required certificates/licenses in addition to in-depth experience.

Step B – E: Includes 5% merit increase in between each step. Merits will be considered based on the following criteria: exceeding job requirements and expectations, achieving performance goals and objectives, demonstrating teamwork and collaboration, showing innovation and creativity.

Cost of Living (COLA): COLA's will be reviewed at the start of each budget preparation process. The Board may approve a COLA in accordance with the Cost of Living Adjustment policy. A COLA will trigger a revision of the wage scale.

Longevity Bonus

The District prioritizes acknowledging employees for their tenure with Murphys Sanitary District. A longevity bonus serves as a one-time incentive linked to specific milestones. Employees reaching 5 years of service receive \$1,200, those reaching 10 years of service \$3,000, and individuals with 15 years of service \$4,500.

Board of Directors

Elected members of the Board of Directors may receive a meeting stipend in accordance with the Bylaws of the District, adopted June 20, 2019.



MURPHYS SANITARY DISTRICT

DISTRICT WAGE SCALE

EFFECTIVE:

Includes 5% step increase

JOB POSITION	STEP A	STEP B	STEP C	STEP D	STEP E
Customer Service Representative	\$ 21.22	\$ 22.28	\$ 23.40	\$ 24.56	\$ 25.79
Account Specialist/Clerk of the Board	\$ 26.82	\$ 28.16	\$ 29.57	\$ 31.05	\$ 32.60
Wastewater Treatment/Field Supervisor	\$ 40.17	\$ 42.18	\$ 44.29	\$ 46.50	\$ 48.83
Wastewater Operator G-I	\$ 27.36	\$ 28.73	\$ 30.16	\$ 31.67	\$ 33.26
Wastewater Operator G-II	\$ 30.29	\$ 31.80	\$ 33.39	\$ 35.06	\$ 36.82
Administration Manager	\$ 37.13	\$ 38.99	\$ 40.94	\$ 42.98	\$ 45.13
Operations Manager *	\$ 95,481.00	\$ 100,255.05	\$ 105,267.80	\$ 110,531.19	\$ 116,057.75
Board of Directors	\$ 100.00	Per Meeting			

*Board approved salary status for Operations Manager 5/2023

Longevity Incentive: 5 Years	\$ 1,200.00
10 years	\$ 3,000.00
15 years	\$ 4,500.00

Tuolumne-Stanislaus IRWMA

INVOICE

PO Box 4394
Sonora, CA 95370

Invoice: 2024-2025
Date: July 24, 2024

To:
Murphys Sanitary District

For:
2024-2025 Membership in the T-S IRWMA Joint Powers Authority

Description	Amount
2023-2024 T-S IRWMA Membership	\$4,941.00
Total	\$4,941.00

Make all checks payable to Tuolumne-Stanislaus Integrated Regional Water Management Authority



ADMINISTRATION REPORT

DATE: August 8, 2024
TO: Members of the Board
FROM: Kristina Fillmore, Administration Manager
SUBJECT: Administration Report

Postage Meter

A standard low volume postage meter has been acquired for the office, offering a cost savings of .04 cents per metered mail. Capable of processing up to 45 letters per minute and equipped with an envelope moistener. This machine will enhance the efficiency and cost effectiveness of the monthly billing process.

AllPaid

MSD is excited to offer our customers a credit card payment platform soon. Allpaid is the leading public sector payments platform and a CSDA business affiliate. Offering 3 ways to pay by website, in person, or by phone. If a customer chooses to pay by card, there is a 2.25% service fee collected by Allpaid.

Benefits of Allpaid:

- Real time electronic processing
- No cost to Murphys Sanitary District
- No contractual time periods locked into
- No chargebacks on credit card transactions

Direct Deposit for Employees and E-pay Liabilities

Direct Deposit is now an available option for employees to receive their paychecks. In addition, payroll liabilities are now set up to E-Pay.

California Department of Finance Audit

MSD has been selected for a Prop 1 Grant Audit from the CA State Department of Finance. Staff are prepared to provide requested documents, records, files, and other resources requested for the grant audit.

Annual CPA Audit-Brian Jolley CPA

The District's annual audit for FY 2023/2024 is underway. Staff are prepared to provide documents requested under this engagement and anticipate quick completion similar to last year.

CalCAD Presentation

Staff will provide a demo of the District's GIS program.



Murphys Sanitary District STAFF REPORT

DATE: July 11th 2024
TO: Honorable Members of the Board
FROM: Dan Murphy, Chief Plant Operator
SUBJECT: Operational Staff Report

June 2024 OPERATIONAL MONTHLY TOTALS AND SUMMARY

Water storage levels in Pond# 4	Pond 4 elevation was decreased by 2.25 feet by the end of June leaving approximately 47,988,000 gallons total in storage as Effluent discharge is set to seasonally increase. This is a historically optimum water level to be able to supply KHS till seasons end and reach our maximum storage amount in Pond 4 prior to winter
PG&E Kilo Use	510 kWhrs at WWTP 68 kWhrs at IPS
Rain Fall at WWTF	No rain was recorded for the whole month of June
CL2 Usage	639 gallons of liquid chlorine used for 10 days of Effluent pumping to KHS and a separate 6 days of spray field application (roughly \$1 of chlorine treated 2,150 gallons of Effluent to proper disinfection levels)
Plant influent gallons	3.7 million gallons Typical amount of Influent for June
Effluent gallons	3,348,150 gallons treated and discharged to KHS 755,600 gallons to Spray fields 4,103,600 total
Ironstone Influent	210,600 gallons AVG
Hydro flushing lineal footage	➤ 2,200 feet of Collection system was hydro flushed and camera inspected in June
Sewer Overflow Count	None
Spray Field Gallons Applied	755,600 gallons applied with an average of 125,000 per field per day of discharge without run-off or ponding



Murphys Sanitary District STAFF REPORT

DATE: August 8th 2024
TO: Honorable Members of the Board
FROM: Dan Murphy, Chief Plant Operator
SUBJECT: Operational Staff Report

OPERATIONAL MONTHLY TOTALS AND SUMMARY: July 2024

Water storage levels in Pond# 4	A reduction of 3'2" from the Pond 4 elevation in July leaving roughly 36.5 million gallons in storage- Starting August at a 2264.5' elevation. This is two feet lower elevation than the beginning of August 2023.
PG&E Kilo Use	569 kWhrs at WWTP 73 kWhrs at IPS
Rain Fall at WWTF	No rain was recorded for July
CL2 Usage	1,326 gallons of liquid chlorine used for 19 days of Effluent pumping to KHS and 7 days of application to our LAA spray fields
Plant influent gallons	3,954,500 gallons Within 120,000 gallons more than was recorded for July 2023
Effluent gallons	9,218,250 gallons total 8,653,250 gallons KHS (455,434 gpd of Effluent discharge)
Ironstone Influent	215,600 gallons AVG
Hydro flushing lineal footage	Due to seasonal impact, over 8,000 linear feet of the Collection system was Hydroflushed and camera inspected/logged throughout July
Sewer Overflow Count	1 SSO was recorded and reported to CIWQS and our State controller. The SSO was a category 3 spill (under 1,000 gallons with no contact to waterways) and occurred Friday 7/19 on Main street.
Spray Field Gallons Applied	565,000 gallons applied total with an average of 82,000 gallons per field per day without encountering any ponding or runoff



1168 Booster Way | P.O. Box 358, Angels Camp, CA 95222

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joelm@uticawater.com | (209) 736-9419 | www.uticawater.com

June 19, 2024

Page McMath-Jue
President, Murphys Sanitary District

Dear Ms. McMath-Jue,

I write to express my sincere gratitude to you and the Murphys Sanitary District (MSD) Board of Directors for your letter of support regarding Utica Water and Power Authority's (UWPA) Federal Energy Regulatory Commission (FERC) Conduit Exemption applications for the Utica P-2019 and Angels P-2699 hydropower projects.

Your endorsement of UWPA's applications is immensely appreciated, particularly as it highlights the crucial role our water supply system plays in serving approximately 1,150 sewer connections in the Murphys community. We are deeply grateful for MSD's recognition of the potential financial relief these exemptions could provide to our mutual customers over the long term.

The positive feedback from MSD regarding UWPA's draft FERC Exemption applications is truly encouraging. We are committed to maintaining the professional, responsible, and thoughtful management of the water supply system that serves Murphys. Your confidence in UWPA's ability to be a good steward of these resources and uphold all necessary regulations is appreciated.

I would also like to extend our appreciation to the MSD Board and staff members for your collaborative spirit and the positive experiences we have shared over the years. Our partnership has been instrumental in ensuring the reliability of our community's essential services.

Your strong support for UWPA's applications reinforces our commitment to serving the Murphys community to the best of our abilities. Once again, thank you for your endorsement and partnership. We look forward to continuing to work closely with MSD to meet the needs of our community in the coming years.

Sincerely,

A handwritten signature in blue ink that reads "Joel Metzger".

Joel Metzger
General Manager



July 1, 2024

Murphys Sanitary District Board,

My husband and I had a very pleasant if a bit smelly interaction with one of your employees this weekend. We were walking by the property at 338 Scott Street that borders Algiers. Eric had the thankless job of shoveling excrement from the cleanout located on the property. After asking him what the issue was, he spent time explaining it was from the residences up Six Mile and the problem with folks flushing wipes into the pipes. It was hot this weekend, he was in the direct sun, and to say it was smelly would be an understatement. Your employee is to be commended for his demeanor and commitment to his job despite the circumstances. We send him our sincere appreciation for being the kind of person that makes our community even better. We also appreciate the job you do as the board representing the sanitary district.

Sincerely,

Patty & Jan Schulz



DEPARTMENT OF
FINANCE

Gavin Newsom ■ Governor

915 L Street ■ Sacramento, CA ■ 95814-3700 ■ www.dof.ca.gov

Transmitted via e-mail

July 26, 2024

Kristina Fillmore, Administrative Manager
Murphys Sanitary District
15 Ernest Street, Suite A
Murphys, CA 95247

Engagement Letter—Murphys Sanitary District, Proposition 1 Grant Audit

In accordance with our bond oversight responsibilities, the California Department of Finance, Office of State Audits and Evaluations, will audit the Murphys Sanitary District's (District) Proposition 1 agreement, issued by the California State Water Resources Control Board (SWRCB).

The District's management is responsible for ensuring accurate financial reporting and compliance with applicable laws, regulations, and agreement requirements. Our responsibility is to determine whether the District's grant and loan expenditures claimed were in compliance with the agreement requirements and to determine whether the agreement deliverables were completed as required. The audit will be conducted in accordance with generally accepted government auditing standards.

An entrance conference will be scheduled at a later date. At the entrance conference, the audit and reporting processes will be discussed. The performance of our audit requires access to records and staff related to the engagement.

An exit conference will also be conducted to discuss the engagement results. Finally, a draft report will be issued requesting your written response. Your response, if any, will be incorporated into the final report issued to you and SWRCB. The final report will be placed on our website.

If you have any questions, please contact David Shockey, Manager, or Robert Scott, Supervisor, at (916) 322-2985.

Sincerely,

Cheryl L. McCormick
for Cheryl L. McCormick, CPA
Chief, Office of State Audits and Evaluations

cc: On following page

cc: Page McMath-Jue, President, Board of Directors, Murphys Sanitary District
Jonathan Bishop, Chief Deputy Director, California State Water Resources Control Board
Joe Karkoski, Deputy Director, California State Water Resources Control Board
Christine Gordon, Assistant Deputy Director, Admin/OpCert Branch, Division of Financial Assistance, California State Water Resources Control Board
Joshua Ziese, Chief, Admin/OpCert Branch, Division of Financial Assistance, California State Water Resources Control Board
David Maurer, Section Manager, Program/Division/Fiscal Support, Division of Financial Assistance, California State Water Resources Control Board
Lance Reese, Section Manager, Admin/OpCert Branch, Division of Financial Assistance, California State Water Resources Control Board
Stephanie White, Staff Services Manager I, Program Support Unit, Division of Financial Assistance, California State Water Resources Control Board.
Seresa Hartwell, Program Support Analyst, Division of Financial Assistance, California State Water Resources Control Board
Bryan Cash, Assistant Secretary for Administration and Finance, California Natural Resources Agency
Amanda Martin, Deputy Assistant Secretary, California Natural Resources Agency
Andrea Scharffer, Deputy Assistant Secretary for Bonds and Grants, California Natural Resources Agency