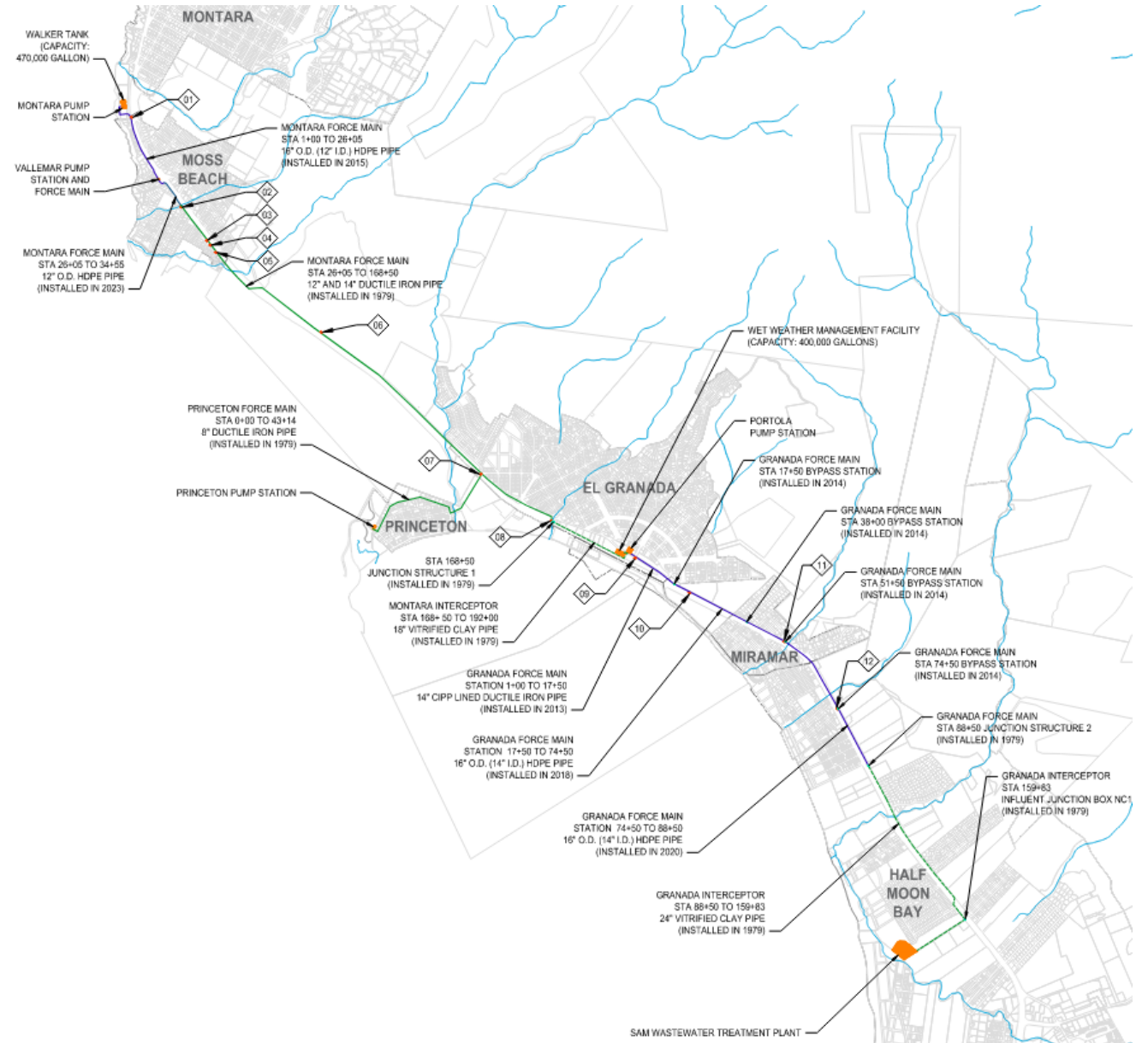


Sewer Authority Mid-Coastside Five-Year Capital Improvement Plan 2024/2025 through 2029/2030



**SAM Board Meeting
August 12, 2024**

SAM Service Area



Mission—Create a 5-Year, Prioritized Capital Improvement Plan (CIP)

Objectives/Steps for SAM 5-Yr CIP

1. Create initial CIP with target of \$12.5 M CIP (dollars current to winter 2024)
2. Identify capital projects from past investigations
3. Bring capital costs current to Winter 2024 (inflation and current SF Bay Area market place)
4. Escalate project costs to projected implementation year

Objectives/Steps for SAM 5-Yr CIP (cont.)

4. Work with SAM staff to prioritize projects
5. Balance CIP for expenditure goal (\$12.5M in 2024 dollars) if feasible
6. Finalize 5-yr CIP
7. Sort out and capture any unscheduled/unprioritized projects for future planning or alternative funding—e.g., CalOES Hazard Mitigation Grant Program

Project Categories/Priorities

- **Category 1 – Regulatory and Safety:** projects to ensure full regulatory compliance, staff and community health and safety. Category 1 projects with highest priority, SAM has little or no control to defer.

Project Categories/Priorities (cont.)

- **Category 2 -- Replacement and Rehabilitation:** projects to renew or replace SAM's aging infrastructure. Category 2 projects with high priority, SAM has some control over scheduling.

Typical Category 2 projects:

- Mechanical equipment replacement, upgrade or modernization
- Pipeline renewal/replacement
- Electrical equipment (e.g., switch gear and distribution) replacement
- Instrumentation/control equipment—replace, upgrade, modernize

Project Categories/Priorities (cont.)

- **Category 3 – Sustainability/Energy/Optimization:** projects to optimize existing operations and/or improve energy efficiency and sustainability. Category 3 projects with lower priority, SAM has significant level of control over implementation timing for Category 3 projects.

SAM has a goal of upgrading and improving its infrastructure over time, to protect the public and its staff, guard the environment, and prevent major failures while operating with reduced energy use and lower overall maintenance costs.

Sewer Authority Mid-Coastside Five-Year Capital Improvement Program

System Component	Fiscal Year					Total with escalation
	24/25	25/26	26/27	27/28	29/30	
	Pump Stations			2,704	300	
Pipelines	3,000	3,510	3,650	2,050	1,710	13,920
Wastewater Treatment Plant				420	725	1,185
Outfall (inspection/repair)					490	490
Total escalated	3,000	3,510	6,354	2,810	2,925	18,599
Target total with escalation, starting with \$2.5M/yr in current dollars	2,500	2,600	2,704	2,812	2,925	13,541

SAM 5-Yr Capital Projects

Facility	Category	Description (implementation fiscal year)	Estimated Cost (thousand dollars) ¹
Montara Pump Station	2	Standby generator replacement (FY26/27)	811
	2	Flowmeter replacement (FY26/27)	541
Portola Pump Station	2	Standby generator replacement (FY26/27)	811
	2	Flowmeter replacement (FY26/27)	541
	2	Wetwell concrete evaluation and rehabilitation (FY27/28)	300
Force Main in Montara ²	1	Replacement of force main, with necessary appurtenances (FY24/25 – FY25/26)	10,160
Force Main in Princeton	2	Replacement of force main, with necessary appurtenances (FY27/28 – FY28/29)	3,760
WWTP	3	Grit blowers upgrade/replacement (FY27/28)	260
	3	Study of sludge beneficial uses (FY27/28)	100
	3	Study of biogas beneficial uses (FY27/28)	100
	2	Belt filter press refurbishment (FY28/29)	725
Outfall	2	Outfall inspection and repair (FY28/29)	490
Total			18,599

Summary

- SAM has one Category 1 project that will require about \$10.2M in funding for the next five years.
- SAM has ~\$8.4M in scheduled Category 2 and 3 projects for the next five years.
 - Category 2 — about \$7.9 million
 - Category 3 — about \$0.5 million
- SAM's proposed 5-year CIP exceeds the target budget (~\$13.5M) owing to the need to implement regulatory-driven force main replacement work

QUESTIONS