

TOWN OF PARADISE VALLEY

Sanitary Sewer Rehabilitation Contracts

October 24, 2024



PRESENTATION'S HIGHLIGHTS

Overview of
the Town's
sanitary
sewer
assessment
& rehab
plan

Proposed
sanitary
sewer
pipelining
contracts

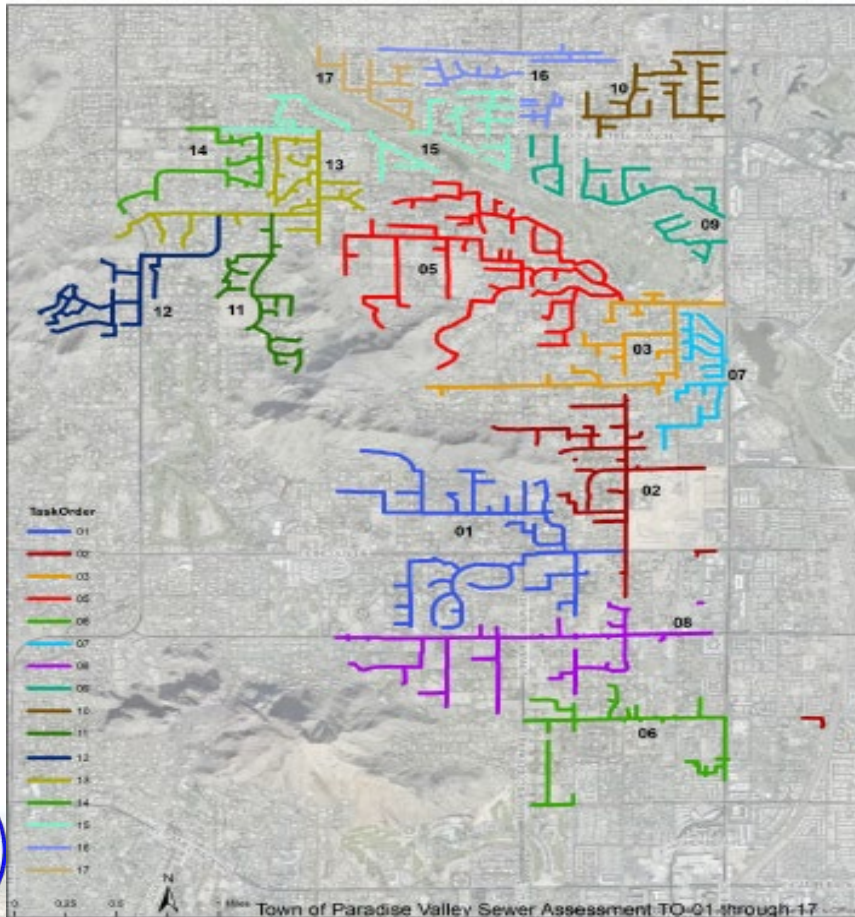
Proposed
Manhole
rehab
contracts

Cost VS
Budget

Council
Action



SANITARY SEWER ASSESSMENT PROGRAM



Part of an IGA between PV and Scottsdale

The assessment was spread over 5 years. Started in 2016 and concluded in 2021.

63 miles of sanitary sewer pipes



OVERVIEW OF THE SANITARY SEWER IGA

Covers PV's sanitary sewer system that outfalls into Scottsdale wastewater system

Scottsdale provides maintenance including cleaning, deodorizing, & pest control

PV is required to repair/rehabilitate based on the assessment program

PV is required to re-assess the system every five years



SEWER CIP REHABILITATION/REPAIR PLAN

5-year Sewer CIP Rehabilitation Plan for manholes and sewer pipes that are in poor condition

- 200 manholes identified in need of repair
- 74 sewer pipe segments identified in need of repair/pipelining

Repairs are ranked according to priority and programmed over a 5-year period



PIPELINING CONTRACTS

The 5-year CIP Sewer Rehabilitation Plan identified 6 sewer pipe segments totaling 2,110 ft to be lined in FY24/FY25 .

Two
separate
contracts
are
needed:

- Amendment to the existing construction management & inspection (CM&I) contract with Consor North America, Inc. (consultant engineer).
- New construction contract with Achen-Gardner Construction, LLC (contractor).
- Both contracts are cooperative purchase agreements based on JOC's with City of Scottsdale.



PIPELINING PROCESS

- Resident notification
- Pre-lining cleaning
- Bypass pumping and/or vacuum truck
- Ultraviolet (UV) cast-in place pipe (CIPP) lining
- Post lining video
- Restore connections



PIPELINING INSTALLATION



PIPELINING INSTALLATION



Pre-Lining

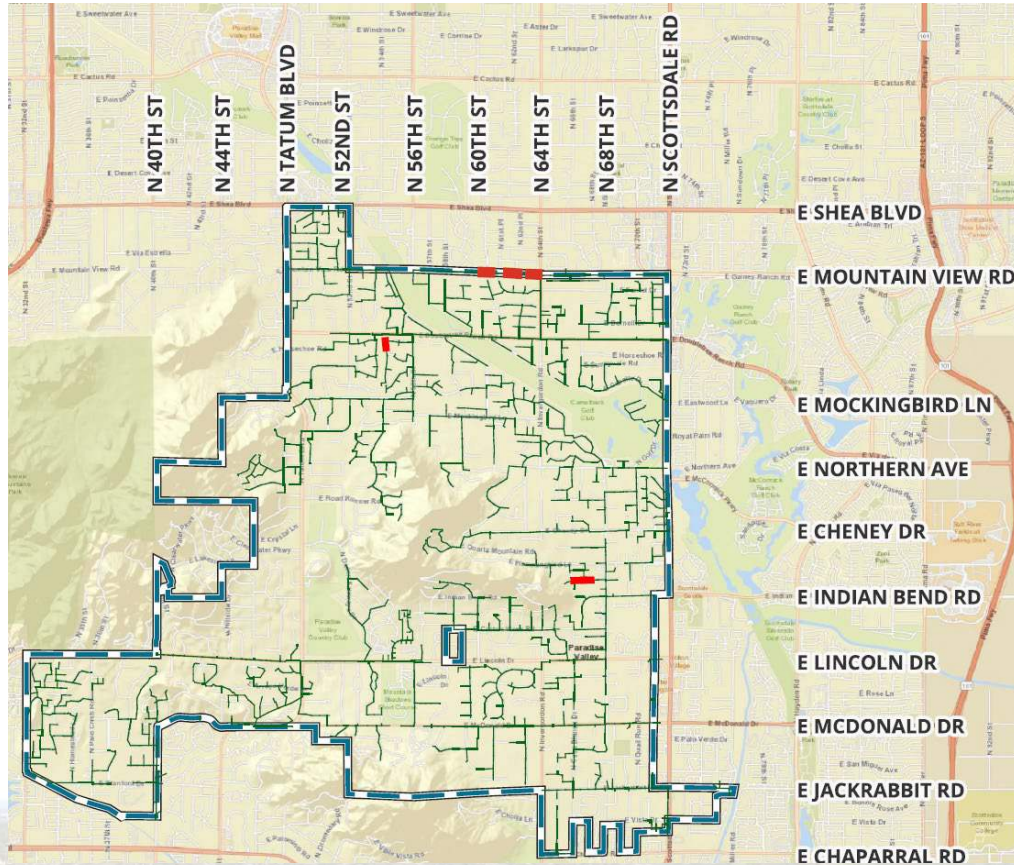


Post-Lining



PIPELINING LOCATIONS MAP

— Pipe lining



PIPELINING LOCATIONS



ID 663083 (Mountain View Rd. & Morning Glory Rd) 286 LF of 8" VCP



ID 663078 (Mountain View Rd. & 62nd Pl.)
400 LF of 8" VCP



ID 663076 Mountain View Rd. & Invergordon Rd.) 413 LF of 8" VCP

VCP = Vitrified Clay Pipe



PIPELINING LOCATIONS



ID 14376 (Via Los Caballos & Ave. Del Sol)
298 LF of 8" VCP



ID 10779 (66th Street
& Meadowlark Lane)
426 LF of 8" VCP

ID 10782 (66th Place
& Meadowlark Lane)
287 LF of 8" VCP

VCP = Vitrified Clay Pipe



RESIDENT NOTIFICATIONS

Residents Notified by Contractor with Town Assistance

- Door Hangers/In-Person
- Mail
- E-mail

How will residents be affected during the repairs?

- Temporary low-flow hours coordinated with residents



MANHOLE REPAIRS

The 5-year CIP Sewer Rehabilitation Plan identified 11 manholes for FY24/FY25.

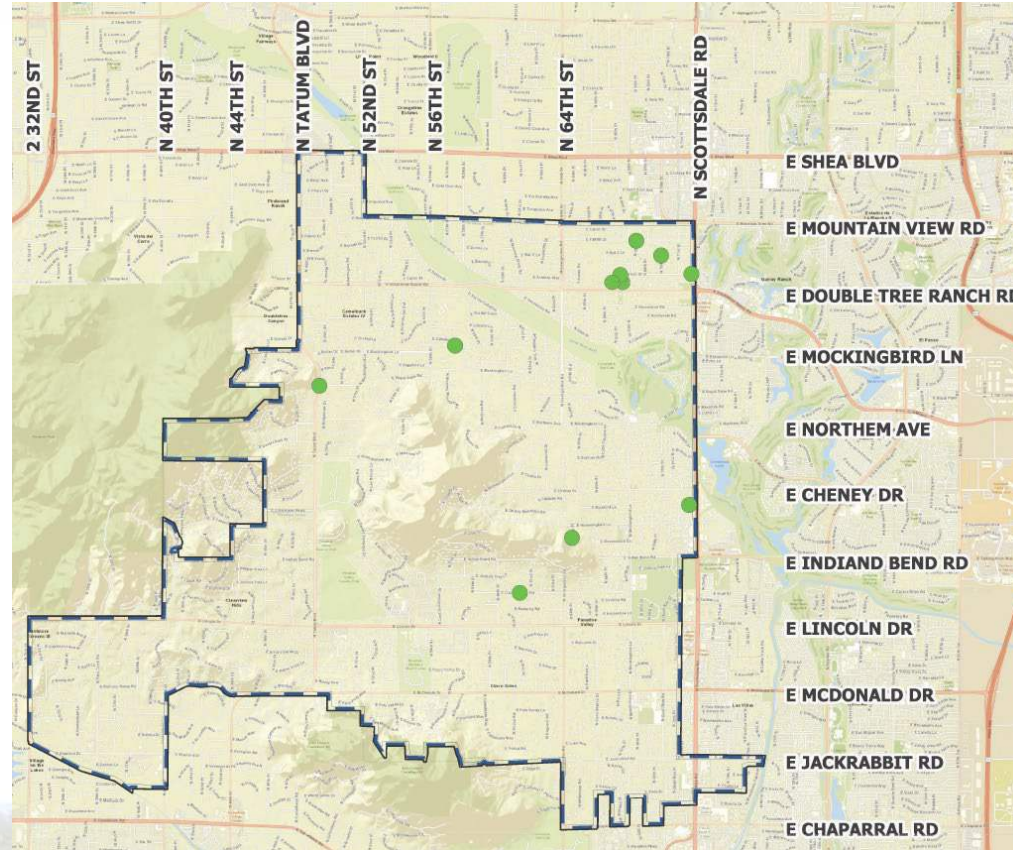
Two
separate
contracts
are
needed:

- Amendment to the CM& I of manholes contract with Consor North America, Inc. This amendment has already been executed on September 30th, 2024.
- New Construction contract with Pipeline Video Inspection, LLC (contractor). This contract is a cooperative purchase agreement based on a JOC with the City of Peoria.



MANHOLE LOCATIONS MAP

- Manhole Rehab: Patch/Grout and Recoat Manholes



MANHOLE LIST

Manhole No.	Location	MH Dia (in)	Depth (ft)	Wall Material
48398	N. 68th Place and E. Fanfol Dr.	48	7.4	Concrete
48389	E. Caron St. & N. 67th Street.,	48	9.4	Concrete
593885	N. Scottsdale Rd. & E. Berneil Dr.	60	12.8	Concrete
48388	E. Caron St. at the Cul-de-Sac.	48	10.2	Concrete
48390	E. Berneil Dr., East of 67th St.	48	8.9	Concrete
48368	N. 70th Street, North of Berneil Dr.	48	9.6	Concrete
47953	E Mockingbird Lane & N Tatum Boulevard	48	10.8	Concrete
45425	E Cactus Wren Road & N Desert Hills Road	48	7.7	Concrete
48151	E Caballo Drive & N Caballo Drive	48	5.8	Concrete
45039	N 64th Place & E Hummingbird Lane	48	6.4	Concrete
45065	N 71st Place & E Valley Trail	48	8.4	Concrete



PROJECT BUDGET

FY24 included \$400,000 for sewer system repairs. Only 35,000 was used and the remaining \$365,000 remained in the Sewer Fund. The Sewer Fund is an enterprise fund and is entirely funded by utility rates.

Rehabilitation/repairs cost	\$918,570.74
Emergency repair contingency	\$50,000
Total FY25 (rehab + contingency)	\$968,570.74

Town's FY25 budget	\$300,000
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Budget shortfall	\$668,570.74
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A budget transfer in the amount of \$668,570.74 from Town contingency to sewer system repairs budget will be required to complete the repairs/rehabilitation of the sewer system.

The current projected unrestricted Sewer Fund balance is \$2,561,147, which is sufficient to cover this project.

SUMMARY OF RECOMMENDED COUNCIL ACTION

Authorize the Town Manager to execute contract No. CON-25-017-ENG with Achen-Gardner Construction, LLC in the amount not-to-exceed \$732,901.24 for Sewer Rehabilitation Construction Services and waive the 14-day contract execution wait period.

Authorize the Town Manager to execute amendment#1 to contract No. CON-24-024-ENG with Consor North America, Inc. to increase the combined not-to-exceed compensation from \$31,531.42 to \$65,605.78 for Sewer Rehabilitation Construction Administration & Inspection Services and waive the 14-day contract execution wait period.

Authorize the Town Manager to execute contract No. CON-25-018-ENG with Pipeline Video Inspection, LLC in the amount not-to-exceed \$103,530.01 for Manhole Rehabilitation Construction Services and waive the 14-day contract execution wait period.

Authorize budget transfer in the amount of \$668,570.74 from Town contingency to sewer system repairs budget.

Thank You
Questions?

