

SEWER PROJECT UPDATE

December 10, 2023

A sewer project update was presented on October 29, 2023. This is a review and an update. A root ball clogged the Building A sewer line in October 2022. A plumbing company replaced the pipe involved, abandoned our septic tank, and installed a single pump to overcome the inadequate slope to the city's sewer main. City code requires a two-pump system housed in a manhole, a dedicated electric line, and an alarm system. All this plus concrete work, and irrigation repairs would be needed. So, we decided to pursue a different option. An engineering firm provided a blueprint plan to run a new gravity-flow sewer line from the installed pump area to the north parking lot. We obtained a city permit and requested bids. The council accepted a Phase One bid from Cactus Plumbing and Air. The company dug and found the proper sewer pipe connection in the north parking lot. They then determined that the best way to complete our project was to install a wider six-inch sewer line. They submitted a new bid, different from the Phase Two bid they had originally proposed to complete the project. The new Phase Two solution connects two four-inch pipes to the main six-inch pipe. Each pipe originates from its source, where it exits Building A, and connects into the six-inch pipe, that then connects near the north parking lot. This method allows for easier flow, provides all new sewer pipes, and should be a long-term, sustainable solution, since our current solution retains the old pipes with essentially a patch in-between. And it eliminates the maintenance or possible breakdowns for a pump system. The plumbers will also close or cap off the current sewer line, remove the pump, and remove the septic tank or fill it with gravel.

R & C Plumbing - 2022	\$10,453	Remove/replace sewer line. Install pump.
Bowie-Tiglas Engineering - 2023	\$2,050	Blueprints for gravity flow sewer line
City of Goodyear - 2023	\$245	Sewer Project Permit
Cactus Plumbing & Air – 2023	\$6,700	Preliminary Excavation
TOTAL COSTS PAID TO DATE	\$19,448	

Cactus Plumbing & Air	\$63,700	Estimate of project completion
Concrete/stone walkways	\$3,000	Areas needing repair from digging
Asphalt Paving	\$3,000	Resurface handicapped parking stall
Irrigation Repairs	\$2,000	Damages from digging.
ESTIMATED FUTURE COSTS	\$71,700	
West Valley Lutheran Thrift Store	-\$6,000	Grant approved and received.
The Hanover Insurance Claim	Unknown	Possible reimbursement for costs/damages
ESTIMATED TOTAL COSTS	\$65,700	