

Updated: July 2023

(Year) Rough  
Project Status Construction  
Schedule 2023 Cost

TP. Treatment Plant/Buildings		(Year)	Rough
		Project Status	Construction
		Schedule	2023 Cost
TP1	Skid A ceramic conversion/pump upgrade	2020	\$ 200,000
TP1.1	Skid X ceramic upgrade	2022	\$ 475,000
TP2	Treatment Plant RS View program upgrades	2019	\$ 45,000
TP2.1	Treatment Plant/RTU radio/SCADA upgrades	2024-2026	\$ 300,000
TP3	Pretreatment for Treatment Plant	2027-2030	\$ 2,500,000
TP4	Skid B ceramic upgrade (36modules) completed	2018	\$ 183,000
TP4	Skid B ceramic upgrade to 50 modules/pumpvfd/tank	2019	\$ 200,000
TP5	Standby Generator for Plant Operation	2024-2025	\$ 550,000
TP6	Standby Generator for Intake Pump Station	2024-2025	\$ 200,000
TP7	Shop addition complete 2021	2021	\$ 75,464
TP8	HSP upgrade for Treatment plant/Intake pump upgrade	2022	\$ 95,000
TP9	Water Resource Recovery Facility	2030-2040	\$ 55,000,000
TP10	2nd Water Treatment Plant	2030-2035	\$ 40,000,000
STOR. Water Storage			
STOR1	New High Level 2.0 MG Storage at N. Reservoir Rd. (Concrete or Bolted Steel)County ARPA	2023	\$ 2,500,000
STOR2	New Low Level 2 MG Storage at Bridge Drive/Reservoir Rd	2030-2035	\$ 3,500,000
STOR4	New Low Level 2 MG Storage at N.Valley Dr.	2040	\$ 3,500,000
HL. High Level Water Distribution System			
HL1	Reservoir Road 12" HL piping - (Bridge Dr. to Anamosa.) (1,400 LF) Skull ???	2024-2025	\$ 490,000
HL2	Reservoir Road 12" HL piping (Anamosa Intersection-Cheyenne BLVD) (6000 LF)County ARPA	2024	\$ 2,835,000
HL3	Twilight Dr/Reservoir Rd 8" HL Loop piping near Heart Ct. (900 LF)	2027-2030	\$ 567,000
HL4	Club crt. 8' water main to Diamond crt. Loop on Poker st.. (250')	2025-2028	\$ 195,000
HL5	Joker St. loop from Poker St. to Ennen Dr. (350') completed in 2017	2017	\$ 50,000
HL6	3rd zone Booster st. at Homestead st. to be completed in OCT-2020	2020	\$ 220,000
LL. Low Level Water Distribution System			
LL0	Mother/Pat place water main and services.700', 7 services completed	2022	\$ 70,000.00
LL1	Deegest St. Water Service Upgrade/conjunction with county rd. project. (1300ft -21) completed	2015	\$ 33,000
LL2	Lancer to Copperdale 12" Water Main Connection (300 LF with bore of Lancer) completed	2016	\$ 100,000
LL3	Hwy 44 Upsizing LL 12" Water Main (Mini Mart to KOA) 1700 LF	2027-2030	\$ 810,000
LL4	Reservoir Rd 12" LL piping (Uranus St. to Pluto Street) - Replace AC patches (2000 LF)	2024-2028	\$175-550,000
LL5	Valley Drive Loop - 12" LL piping from St. Patrick St. to Hwy. 44 (1,000 LF) completed	2016	\$ 315,000
LL6	Racetrack Loop - 8" LL piping from Williamsburg to Jolly lane. on Hwy. 44 (1,200 LF)	2027-2029	\$ 600,000
LL7	Johnson/Copperfield 12" Water Main - 1 MG Tank West to N. Valley developer completed	2020	\$ 750,000
LL8	12" East Longview approx. (1200) feet to be completed	2018	\$ 390,000
LL8.1	12" and 8" East Longview Road Water Mains (5000 LF + or -)developer driven Scull	2024	\$ 12,000,000
LL8.2	8" Corbin water main phase 1, 1400'	2032	\$ 210,000
LL8.3	12"on longview/8" on Crane, Carlin 4600' completed in October	2021	\$ 506,000
LL9	Rockhill to Hilltop 6" Connector Loop (420 LF)	2025-2028	\$ 168,000

LL9.1	west Homestead St. 8" water main extension /Fire Hydrant ( 450 feet) completed in 2017	2017	\$ 48,000
LL9.2	Homestead St. to Rockhill 8" Watermain Loop (1250 LF)	2026-2028	\$ 540,000
LL10	Jolly Lane Bridge Crossing by Elk's Club. 8" water main (1000')	2024-2025	\$ 100,000
LL11	Future Jim St. West to Fairmont Loop. 12" water main (1100')	2028-2032	Developer
LL 12	Melody St. to Cyclone St. loop 8" water main (1500 feet) two creek crossings	2026-2030	\$ 1,500,000
LL13	Fort st. connection from Covington to S.Sweetbriar st. ( 450' of 8" watermain)	2026-2028	\$ 255,000
LL14	water monitoring pits	TBD	\$ 90,000
LL15	Longview to Earth/Legacy st. water main connection, completed	2018	\$ 85,000
LL16	West Garden lane water main extension (400') 8'	2023-2025	\$ 100,000

**RVSD Short/Long Term Plan  
Water and Sewer System Projects**



**(Year)**  
**Project Status**  
**Schedule**

**Rough**  
**Construction**  
**2023 Cost**

**SS. Sanitary Sewer Piping**

SS1	Degeest 8" Sewer Connection across Avenue A	2026	\$ 90,000
SS2	Jim Street/Pioneer Dr. 8" Sewer gravity/Lift Station elimination (700') depending on paving Jim st.	2024-2027	\$255,000
SS2.1	Pioneer st lift station elimination/gravity to city sewer on Jolly Ln.	2026-2030	\$1,200,000
SS3	15" Hwy 44/Racetrack Sanitary Trunk Sewer MH 782 to MH 1151 (250 LF) completed	2017	\$ 38,000
SS4	15" Racetrack Sanitary Trunk Sewer MH 1151 to MH 807/ may require bore under race track	2024-2026	\$ 315,000
SS5	15"-18" Racetrack Sanitary Trunk Sewer (3750 LF) - Phases TBD	2024-2026	\$ 2,400,000
SS6	Hwy 44 Sewer - Twilight to Radar hill (21400 LF)	2024-2030	\$ 9,000,000
SS7	Colvin Area Sanitary Sewer (1000 LF) - (Dependent on Murphy Ranch Phasing)	2023-2024	\$ 360,000
SS8	Earth to Longview 8" sewer	2023-2026	\$ 540,000
SS9	Rockhill sewer to hwy 44 (950 LF) - dependent on development	2024-2026	\$ 300,000
SS10	Crane and Carlin sewer extensions	2026-2031	\$ 1,100,000

**Streets. Pipe Replacement with County and DOT Street Projects**

**Scope Unknown.**

STR2	Annual evaluation of City, County, and DOT Street Projects must be completed.	Ongoing	
STR3	Scope of improvements and cost is dependent upon location and schedule of street improvements.	Ongoing	

**Supply. Water Supply**

SUP1	Water Rights Acquisition	2023-2028	\$ 900,000
SUP2	Future Water Source Development - Madison Well, DANR grant/loan	2023	\$ 5,800,000

**MT. Water and Sewer System Evaluation and Maintenance**

MT1	Sanitary Sewer cleaning, camera, inspections. Manhole inspections.	Ongoing	
MT2	Water pressure testing and leak detection	Ongoing	
MT3	Parts and materials storage for distribution and operations	ongoing	
MT5	Annual updating to this plan and reevaluation of system needs and priorities	Ongoing	
MT6	Rate of improvements and schedule will be dependent upon actual District growth	Ongoing	
O1	Oversizing of piping for development schedule should be evaluated on an annual basis.	Ongoing	
O2	Sewer flows from the City north of Big Sky/ Rapid City reroute of sewer in 2018 completion	2017-2018	
O3	Shape Development Water and Sewer		
O4	Murphy Ranch Estates and water main loop to Reservoir rd. To be completed in 2018	2018	
O6	Ennen Area future development		
O7	South Hwy 44 Area 12" and 8" water main/ 10" sewer main (Orchard meadows development)	2019-2022	
O8	East Longview Drive Area 12" LL piping in(Murphy Sub to Anderson Rd Area)Scull development	2024	
O9	Lift station upgrades and maintance	Ongoing	
10.	water and sewer service replacements	Ongoing	

11.	meter upgrades and radio upgrades	Ongoing	
12.	regionalization efforts	Ongoing	