

Water Capital Improvement Projects

San Antonio Water System
Water and Wastewater Facilities Capital Improvements
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Appendix B
Table B-1

Table B-1: Water Supply CIP

Line No.	Project Title	Project Cost Estimate (\$ 2018)	Added Total Capacity (AF)
1	Vista Ridge Integration	\$200,000,000	50,000 *
2	Vista Ridge 142 mile Pipeline/Wellfield	\$930,000,000	0 *
3		\$1,130,000,000	50,000.00

*Both projects are required to add a total of 50,000 Acre-feet

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Table B-2: Water Delivery - Flow CIP

Line No.	Project Title	Project Cost Estimate (\$ 2018)
1	Hardy Oak Blvd 30-inch WL	\$3,714,500
2	PZ 6 to PZ 905E Pressure Reducing Valve	\$162,500
3	Vista Ridge Supply Integration - PZ 930 and 994-North	\$10,326,100
4	FM 1604 20-inch WL	\$4,003,200
5	Eddie Road 16-inch WL	\$1,560,900
6	Pressure Zones 823 and 828 Integration	\$3,427,000
7	North Foster 20-inch WL	\$2,717,700
8	Highway 281 16-inch WL	\$483,900
9	12-inch WL, Loop 1604 16-inch WL	\$3,111,900
10	16-inch PZ 1080, PZ 994-North to PZ 999 Connections	\$6,661,900
11	SW Loop 410 20-inch WL	\$2,013,400
12	Former PZ 1380 to PZ 1400-East Connections	\$1,786,600
13	12-inch PZ 1096 to PZ 1111 Connection	\$1,154,100
14	Helotes Park No 2 PRV to PZ 1201 from PZ 1400	\$145,000
15	US Hwy 281 12-inch WL	\$3,391,900
16	Montgomery Drive 16-inch WL	\$773,200
17	Montgomer Road 16-inch WL	\$216,500
18	SH-16 12-inch WL	\$1,724,100
19	Zigmont Rd 12-inch WL	\$3,127,400
20	Post Oak to Oaks Dr 8-inch loop, Autumn Ln 8-inch loop	\$3,052,600
21	Borgfeld Dr 20-inch WL	\$7,472,200
22	16-inch and 20-inch WL along Talley Rd and	\$5,450,400
23	Talley Rd 16-inch WL and 12-inch PZ 1044 PRV	\$4,196,200
24	20-inch WL along Huebner Rd and West	\$2,390,700
25	16-inch Ladera WLS	\$10,117,200
26	PZ 1080 16-inch WLS, Lambda and Texas	\$3,050,400
27	Judson Rd 20-inch WL	\$1,426,500
28	Starcrest Dr 12-inch WL	\$1,621,300
29	Blanco Rd 20-inch WL, Borgfeld Dr 12-inch and 20-inch WLS	\$10,551,800
30	WL	\$11,285,200
31	Culebra Rd 16-inch WL	\$2,658,000
32	PZ 1125 12-inch, 16-inch, 20-inch WL	\$3,196,400
33	Blanco Rd 12-inch WLS	\$1,742,800
34	Jungman Rd 12-inch WLS and PZ 930 16-inch WL	\$25,429,400
35	FM 143 16-inch WL, West Montgomery 16-inch WL	\$5,192,800
36	Sage Run 16-inch WL	\$1,473,500
37	Palo Alto Rd 16-inch and Noyes Rd - Senior Rd 12-inch WLS	\$6,381,200
38	SH-16 16-inch WL	\$3,596,700
39	Pleasanton Road 12-inch WL	\$3,284,400
40	Roosevelt Avenue 12-inch WL	\$3,667,600
41	Applewhite 12-inch WL	\$2,345,400
42	Hunters Pond 12-inch WL	\$1,112,000
43	Morin Road 12-inch WL	\$1,273,000

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Line No.	Project Title	Project Cost Estimate (\$ 2018)
44	Stacey Road 12-inch WL	\$3,635,500
45	Hume Road 12-inch WL	\$2,759,800
46	Kirkner Road 12-inch WL, Stuart Road 12-inch WL	\$5,449,000
47	Tamaron Pass 12-inch WL	\$4,863,200
48	PZ 1610-East 12-inch WL	\$4,401,000
49	PZ 1400-West 12-inch WL (1)	\$1,915,600
50	Boerne Stage Airfield 12-inch WL	\$3,162,500
51	1540-West PRV and 12-inch WL	\$3,077,100
52	20-inch PZ 1125 WL along Stahl Road	\$2,060,500
53	Shady Falls Road 12-inch WL	\$4,797,700
54	Western PZ 1400-West 12-inch WL	\$6,909,100
55	12-inch and 16-inch Looping in Eastern PZ 1258-East	\$14,615,600
56	PZ 1610-East 12-inch WL (1)	\$5,010,300
57	heading north to Farr Drive	\$200,000
58	Wildflower	\$177,022
59	Lookout Way	\$463,316
60	PZ8-PZ8-06 12-inch WL along PLs from Silver Pointe to	\$493,913
61	PZ8 16-inch WL along Cedar Trail across Bandera Road	\$36,060
62	PZ9-PZ9-01 12-inch WL along Toepperwein Road from xxx	\$626,133
63	to Cibolo Canyon	\$1,372,465
64	16 to Ranch Town Tank	\$1,077,429
65	PZ 1400-West 12-inch WL	\$962,500
66	PZ10B-PZ10B-02 16-inch WL along CR 371 from Hwy	\$2,225,885
67	PZ10B 16-inch WL along FM 1283 from FM 471 to CR 371	\$952,858
68	PZ11A-PZ11A-01 16-inch WL along existing pipe near	\$1,695,912
69	Babcock Road to Cross Mountain Trail	\$1,057,760
70	Canyon Road to Private Road	\$3,010,463
71	Road to Bridle Path	\$500,469
72	PZ14 16-inch WL along PLs from Bexar Tank heading	\$614,738
73	Fahrenheit	\$850,000
74	Whispering Wind Drive - Mogford to Riptide WL	\$450,000
75	New Northeast Service Center 16-inch WL along	\$587,400
76	Potranco Road PZ Interconnection	\$200,000
77	SEP-7 "Black Willow/281 to Wild Root"	\$150,000
78	10 "Hunters Forest"	\$2,200,000
79	Hickory Hollow PL	\$750,000
80	Kings Mountain	\$3,500,000
81	Fair View Acres Tract	\$240,000
82	Northpoint Offices	\$500,000
83	Dietz Elkhorn 16-inch WL	\$200,000
84	Living Fath Church 16-inch WL	\$145,600
85	Westlakes Tract 1604	\$2,566,720
86		\$262,933,042

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Table B-3: Water Delivery - System Development, Well Pumps

Line No.	Project Title	Facility Name	Project Cost Estimate (\$ 2018)	Added Total Capacity (MGD)
1	Artesia Pump 1- PZ 3	Artesia	\$4,950,000	10.00
2	Artesia Pump 2- PZ 4	Artesia	\$4,950,000	10.00
3	Turtle Creek Pump 1- PZ 8	Turtle Creek	\$2,500,000	5.01
4	Turtle Creek Pump 2- PZ 8	Turtle Creek	\$2,500,000	10.00
5	Meadow Springs Pump 1 (1)	Meadow Springs	\$1,080,000	0.00
6	Meadow Springs Pump 2 (1)	Meadow Springs	\$1,080,000	2.00
7			\$17,060,000	37.01

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Table B-4: Water Delivery - System Development, High Service and Booster Pump Stations in High Elevation Service Area

Line No.	Project Title	Facility Name	Project Cost Estimate (\$ 2018)	Added Total Capacity (MGD)
1	Blackbuck Pump 1	Blackbuck	\$2,047,150	0.00
2	Blackbuck Pump 2	Blackbuck	\$2,047,150	2.75
3			\$4,094,300	2.75

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Table B-5: Water Delivery - System Development, High Service and Booster Pump Stations in Middle Elevation Service Area

Line No.	Project Title	Facility Name	Project Cost Estimate (\$ 2018)	Added Total Capacity (MGD)
1	Turtle Creek PZ 8 Pump 1	Turtle Creek No 2	\$2,250,000	0.00
2	Turtle Creek PZ 8 Pump 2	Turtle Creek No 2	\$2,250,000	5.00
3	Turtle Creek PZ 8 Pump 3	Turtle Creek No 2	\$2,250,000	5.00
4	Turtle Creek PZ 8 Pump 4	Turtle Creek No 2	\$2,250,000	5.00
5	Green Mountain Pump 1	Green Mountain	\$2,211,973	0.00
6	Green Mountain Pump 2	Green Mountain	\$2,211,973	2.00
7	Green Mountain Pump 3	Green Mountain	\$2,211,973	2.00
8	Green Mountain Pump 4	Green Mountain	\$2,211,973	2.00
9	Ladera Pump 1	Ladera	\$3,875,000	0.00
10	Ladera Pump 2	Ladera	\$3,875,000	4.00
11			\$25,597,893	25.00

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Table B-6: Water Delivery - System Development, High Service and Booster Pump Stations in Low Elevation Service Area

Line No.	Project Title	Facility Name	Project Cost Estimate (\$ 2018)	Added Total Capacity (MGD)
1	Meadow Springs Pump 1	Meadow Springs	\$3,405,000	0.00
2	Meadow Springs Pump 2	Meadow Springs	\$3,405,000	3.50
3			\$6,810,000	3.50

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Table B-7: Water Delivery - System Development, Elevated Storage Tanks in High Elevation Service Area

Line No.	Project Title	Facility Name	Project Cost Estimate (\$ 2018)	Added Total Capacity (MG)
1	Terra Bella	Terra Bella	\$5,590,625	2.50
2	Indian Hills EST	Indian Hills	\$8,479,570	2.50
3			\$14,070,195	5.00

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Table B-8: Water Delivery - System Development, Elevated Storage Tanks in Middle Elevation Service Area

Line No.	Project Title	Facility Name	Project Cost Estimate (\$ 2018)	Added Total Capacity (MG)
1	DeZavala-PZ 7	DeZavala	\$5,774,500	2.00
2	Ladera PS, EST, and Transmission Main	Ladera	\$3,250,000	1.00
3			\$9,024,500	3.00

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Table B-9: Water Delivery - System Development, Elevated Storage Tanks in Low Elevation Service Area

Line No.	Project Title	Facility Name	Project Cost Estimate (\$ 2018)	Added Total Capacity (MG)
1	SS-AK - G - Verano Development - Design and build a 1.5 MG elevated storage tank.	Verano	\$6,530,590	1.50
2	Dietrich Rd	Dietrich Rd	\$5,500,000	2.00
3	Replace Loma Linda Tank with Hunt Lane Tank	Loma Linda/Hunt Lane ES ⁻	\$6,256,600	1.00
4			\$18,287,190	4.50

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Table B-10: Water Delivery - System Development, Ground Storage Tanks in Middle Elevation Service Area

Line No.	Project Title	Facility Name	Project Cost Estimate (\$ 2018)	Added Total Capacity (MG)
1	Turtle Creek 3 (Reservoir)	Turtle Creek	\$5,500,000	5.00
2	Fisher Tract (Green Mt. at Evans Rd.)	Fisher Tract	\$10,771,250	2.50
3	University PS 5 MG GST	University	\$9,900,000	5.00
4			\$26,171,250	12.50

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Table B-11: Water Delivery - System Development, Ground Storage Tanks in Low Elevation Service Area

Line No.	Project Title	Facility Name	Project Cost Estimate (\$ 2018)	Added Total Capacity (MG)
1	Meadow Springs Well Field, HSPS, and GST	Meadow Springs	\$3,250,000	1.00
2			\$3,250,000	1.00

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Table B-12: Water Delivery - System Development, Transmission Mains in High Elevation

Line No.	Project Title	Project Cost Estimate (\$ 2018)
1	Project 3 - IH-10 36" Waterline	\$23,851,950
2		\$23,851,950

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Table B-13: Water Delivery - System Development, Transmission Mains in Middle Elevation

Line No.	Project Title	Project Cost Estimate (\$ 2018)
	Wurzbach PS to University PS (PZ7 to PZ8) Water Transmission	
1	Main	\$18,828,700
2	Project 16. Galm Road 24-inch Water Line	\$11,434,940
3	Project 28 - 36/42" Waterline and Evans PS expansion	\$9,490,690
4	Project 52. Green Mountain PS to Evans PS (PZ10 to PZ11A): 30"	\$6,078,600
5	Turtle Creek #3 to Medical Center Transmission Main	\$19,525,000
6	Ladera 24-inch Transmission Main	\$2,210,900
7	Project 5. 30" water line along Lockhill Selma to DeZavala EST	\$13,933,040
8	Canyon Golf and Wilderness Oak	\$1,350,000
9	Project 35 - 24" DSP PZ 1170 (TRP & StevensRanch) and SAWS PZ 1170 interconnect	\$9,035,290
10		\$91,887,160

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Table B-14: Water Delivery - System Development, Transmission Mains in Low Elevation

Line No.	Project Title	Project Cost Estimate (\$ 2018)
	Micron 48-inch Water Main Extension to Anderson Tank project	
1	Phase 2	\$0
2	Proj 41: Highway 90: Cagnon Rd. to Luckey Ranch Main (C10-M22)	\$5,184,300
3	Project 27- PZ4-02 Old Pearsall to Cagnon	\$2,214,740
4	Project 29 - Seguin Rd 24" Waterline	\$1,965,260
5		\$9,364,300