

Lift Station #4 Upgrade and Force Main Capacity

MAP KEY: WW2020-01

This project includes the permitting, design and construction of upgrades to the existing City of Liberty Hill Lift Station #4 and wastewater force main to provide an additional pumping and force main capacity to support growth in the drainage area. The design includes an additional 0.6 MGD of firm capacity at the lift station and approximately 8,130 LF of 8" PVC wastewater force main and associated appurtenances.

The final force main alignment has not been determined.

WW2020-01				
Lift Station #4 Upgrade and Force Main Capacity				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
Lift Station Upgrade	0.6	MGD	\$ 200,000.00	\$ 120,000.00
8" C900, DR-18 PVC Force Main (w/ Trenching, Locator Tape and Backfill)	8,130	L.F.	\$ 45.00	\$ 365,850.00
8" Full Port Plug Valve (w/ Valve Box and Restraint Glands)	4	Ea.	\$ 4,000.00	\$ 16,260.00
Clean-Out Station (8" Force Main)	2	LS	\$ 18,000.00	\$ 36,000.00
Bore & Encase w/ 12" PVC Casing Pipe (w/ Casing Spacers and End Seals)	180	L.F.	\$ 285.00	\$ 51,300.00
Erosion and Sedimentation Control - Silt Fence	7,950	L.F.	\$ 4.50	\$ 35,775.00
Clearing & Chipping	7,950	L.F.	\$ 15.00	\$ 119,250.00
Trench Safety	7,950	L.F.	\$ 4.00	\$ 31,800.00
			Construction Subtotal	\$ 656,235.00
			Engineering, Surveying, Legal (15%)	\$ 98,500.00
			Contingencies (15%)	\$ 98,500.00
TOTAL				\$853,235.00

This is a preliminary cost summary based on similar work in the City of Liberty Hill Service area and not an actual cost quote or bid. It has not been based on any engineering plans or survey. A revised and more accurate estimate will be provided after the engineering plans have been prepared and/or actual construction bids have been received and tabulated.

CR 266 Interceptor - Phase 1

MAP KEY: WW2020-03

This project includes the permitting, design and construction of a 24" wastewater gravity interceptor that serves the area between the South Fork WWTP and Hwy 29 and east of Hwy 183. The design includes approximately 6,670 LF of 24" PVC gravity wastewater main and associated appurtenances.

The final gravity interceptor alignment has not been determined.

WW2020-03				
CR 266 Interceptor - Phase 1				
<i>Item</i>	<i>Qty.</i>	<i>Units</i>	<i>Estimated Unit Cost</i>	<i>Estimated Total Cost</i>
24" PS-115 PVC Wastewater Line (w/ Trenching, Locator Tape and Backfill)	6,670	L.F.	\$ 150.00	\$ 1,000,500.00
60" Diameter Bolted & Sealed Manhole	13	Ea.	\$ 10,000.00	\$ 133,400.00
Manhole Vent	4	Ea.	\$ 2,500.00	\$ 10,000.00
Open Cut & Encase w/ 30" PVC Casing Pipe (w/ Casing Spacers and End Seals)	40	L.F.	\$ 275.00	\$ 11,000.00
Existing Driveway Repair	1	Ea.	\$ 2,500.00	\$ 2,500.00
Bore & Encase w/ 30" PVC Casing Pipe (w/ Casing Spacers and End Seals)	40	L.F.	\$ 475.00	\$ 19,000.00
Bore & Encase w/ 30" Steel Casing Pipe (w/ Casing Spacers and End Seals)	120	L.F.	\$ 525.00	\$ 63,000.00
Erosion and Sedimentation Control - Silt Fence	6,510	L.F.	\$ 4.50	\$ 29,295.00
Clearing & Chipping	6,510	L.F.	\$ 15.00	\$ 97,650.00
Trench Safety	6,510	L.F.	\$ 4.00	\$ 26,040.00
			Construction Subtotal	\$ 1,392,385.00
			Engineering, Surveying, Legal (12.5%)	\$ 174,100.00
			Contingencies (15%)	\$ 208,900.00
TOTAL				\$1,775,385.00

MUD 12 Lift Station Upgrade and Kauffman Loop Force Main

MAP KEY: WW2020-04

This project includes the permitting, design and construction of improvements to the existing MUD 12 lift station and additional force main to provide pumping for the service area east of Ronald Reagan Blvd. The design includes upgrades to provide 5.0 MGD firm capacity to the existing lift station and approximately 7,760 LF of 12" PVC wastewater force main and associated appurtenances.

The final force main alignment has not been determined.

WW2020-04				
MUD 12 Lift Station Upgrade and Kauffman Loop Force Main				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
Lift Station Upgrade	5.0	MGD	\$ 200,000.00	\$ 1,000,000.00
12" C900, DR-18 PVC Force Main (w/ Trenching, Locator Tape and Backfill)	7,760	L.F.	\$ 60.00	\$ 465,600.00
12" Full Port Plug Valve (w/ Valve Box and Restraint Glands)	4	Ea.	\$ 5,000.00	\$ 19,400.00
Clean-Out Station (12" Force Main)	1	LS	\$ 20,000.00	\$ 20,000.00
Bore & Encase w/ 18" PVC Casing Pipe (w/ Casing Spacers and End Seals)	160	L.F.	\$ 315.00	\$ 50,400.00
Bore & Encase w/ 18" Steel Casing Pipe (w/ Casing Spacers and End Seals)	160	L.F.	\$ 365.00	\$ 58,400.00
Erosion and Sedimentation Control - Silt Fence	7,440	L.F.	\$ 4.50	\$ 33,480.00
Clearing & Chipping	7,440	L.F.	\$ 15.00	\$ 111,600.00
Trench Safety	7,440	L.F.	\$ 4.00	\$ 29,760.00
			Construction Subtotal	\$ 788,640.00
			Engineering, Surveying, Legal (15%)	\$ 118,300.00
			Contingencies (15%)	\$ 118,300.00
TOTAL				\$1,025,240.00

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MUD 19 Lift Station Upgrade

MAP KEY: WW2020-05

This project includes the permitting, design and construction of improvements to the existing MUD 19 lift station to provide an additional 1.0 MGD of pumping to support the service area north of Hwy 29 and east of Ronald Reagan Blvd. The design includes upgrades to provide an additional 2.0 MGD firm capacity to the existing lift station.

WW2020-05				
MUD 19 Lift Station Upgrade				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
Lift Station Upgrade	2.0	MGD	\$ 200,000.00	\$ 400,000.00
Lift Station Structural Modifications	1.0	LS	\$ 500,000.00	\$ 500,000.00
			Construction Subtotal	\$ 900,000.00
			Engineering, Surveying, Legal (15%)	\$ 135,000.00
			Contingencies (15%)	\$ 135,000.00
TOTAL				\$1,170,000.00

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CR 260 Interceptor - Phase 2

MAP KEY: WW2022-01

This project includes the permitting, design and construction of a 15" wastewater gravity interceptor that serves the area between the South Fork WWTP and Hwy 29 and east of Hwy 183. The design includes approximately 5,864 LF of 15" PVC gravity wastewater main and associated appurtenances.

The final gravity interceptor alignment has not been determined.

WW2022-01				
CR 260 Interceptor - Phase 2				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
15" SDR-26 PVC Wastewater Line (w/ Trenching, Locator Tape and Backfill)	5,864	L.F.	\$ 120.00	\$ 703,680.00
60" Diameter Bolted & Sealed Manhole	12	Ea.	\$ 10,000.00	\$ 117,280.00
Manhole Vent	4	Ea.	\$ 2,500.00	\$ 10,000.00
Open Cut & Encase w/ 21" PVC Casing Pipe (w/ Casing Spacers and End Seals)	200	L.F.	\$ 195.00	\$ 39,000.00
Existing Driveway Repair	7	Ea.	\$ 2,500.00	\$ 17,500.00
Bore & Encase w/ 21" PVC Casing Pipe (w/ Casing Spacers and End Seals)	30	L.F.	\$ 345.00	\$ 10,350.00
Erosion and Sedimentation Control - Silt Fence	5,834	L.F.	\$ 4.50	\$ 26,253.00
Clearing & Chipping	5,834	L.F.	\$ 15.00	\$ 87,510.00
Trench Safety	5,834	L.F.	\$ 4.00	\$ 23,336.00
			Construction Subtotal	\$ 1,034,909.00
			Engineering, Surveying, Legal (12.5%)	\$ 129,400.00
			Contingencies (15%)	\$ 155,300.00
TOTAL				\$1,319,609.00

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Hwy 29 FM Capacity Increase CR 214 to Gravity Line

MAP KEY: WW2022-03

This project includes the permitting, design and construction of a wastewater force main to provide an additional force main capacity to support growth west of CR 214 along Hwy 29. The design includes approximately 10,720 LF of 8" PVC wastewater force main and associated appurtenances.

The final force main alignment has not been determined.

WW2022-03				
Hwy 29 FM Capacity Increase CR 214 to Gravity Line				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
8" C900, DR-18 PVC Force Main (w/ Trenching, Locator Tape and Backfill)	10,720	L.F.	\$ 45.00	\$ 482,400.00
8" Full Port Plug Valve (w/ Valve Box and Restraint Glands)	5	Ea.	\$ 4,000.00	\$ 21,440.00
Clean-Out Station (8" Force Main)	5	LS	\$ 18,000.00	\$ 90,000.00
Open Cut & Encase w/ 12" PVC Casing Pipe (w/ Casing Spacers and End Seals)	200	L.F.	\$ 135.00	\$ 27,000.00
Existing Driveway Repair	6	Ea.	\$ 2,500.00	\$ 15,000.00
Bore & Encase w/ 12" PVC Casing Pipe (w/ Casing Spacers and End Seals)	540	L.F.	\$ 285.00	\$ 153,900.00
Bore & Encase w/ 12" Steel Casing Pipe (w/ Casing Spacers and End Seals)	60	L.F.	\$ 335.00	\$ 20,100.00
Erosion and Sedimentation Control - Silt Fence	10,120	L.F.	\$ 4.50	\$ 45,540.00
Clearing & Chipping	10,120	L.F.	\$ 15.00	\$ 151,800.00
Trench Safety	10,120	L.F.	\$ 4.00	\$ 40,480.00
			Construction Subtotal	\$ 1,047,660.00
			Engineering, Surveying, Legal (12.5%)	\$ 131,000.00
			Contingencies (15%)	\$ 157,200.00
TOTAL				\$1,335,860.00

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West Liberty Hill Wastewater Treatment Plant

MAP KEY: WW2023-01

This project includes the permitting, design and construction of a wastewater treatment plant on the western side of the city of Liberty Hill. The plant will provide service for future growth in the area.

The plant site has not been determined.

WW2023-01				
West Liberty Hill Wastewater Treatment Plant				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
Wastewater Treatment Plant (400,000 GPD)	1	LS	\$ 4,900,000.00	\$ 4,900,000.00
			Construction Subtotal	\$ 4,900,000.00
			Engineering, Surveying, Legal (12.5%)	\$ 612,500.00
			Contingencies (15%)	\$ 735,000.00
TOTAL				\$6,247,500.00

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South San Gabriel Interceptor

MAP KEY: WW2026-01

This project includes the permitting, design and construction of a 24" wastewater gravity interceptor that serves the South Fork Lift Station and associated South Fork WWTP service area. The design includes approximately 20,700 LF of 24" PVC gravity wastewater main and associated appurtenances.

The final gravity interceptor alignment has not been determined.

WW2026-01				
South San Gabriel Interceptor				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
24" PS-115 PVC Wastewater Line (w/ Trenching, Locator Tape and Backfill)	20,700	L.F.	\$ 150.00	\$ 3,105,000.00
60" Diameter Bolted & Sealed Manhole	41	Ea.	\$ 10,000.00	\$ 414,000.00
Manhole Vent	14	Ea.	\$ 2,500.00	\$ 35,000.00
Open Cut & Encase w/ 30" PVC Casing Pipe (w/ Casing Spacers and End Seals)	120	L.F.	\$ 275.00	\$ 33,000.00
Existing Driveway Repair	6	Ea.	\$ 2,500.00	\$ 15,000.00
Bore & Encase w/ 30" PVC Casing Pipe (w/ Casing Spacers and End Seals)	300	L.F.	\$ 475.00	\$ 142,500.00
Bore & Encase w/ 30" Steel Casing Pipe (w/ Casing Spacers and End Seals)	100	L.F.	\$ 525.00	\$ 52,500.00
Erosion and Sedimentation Control - Silt Fence	20,300	L.F.	\$ 4.50	\$ 91,350.00
Clearing & Chipping	20,300	L.F.	\$ 15.00	\$ 304,500.00
Trench Safety	20,300	L.F.	\$ 4.00	\$ 81,200.00
			Construction Subtotal	\$ 4,274,050.00
			Engineering, Surveying, Legal (12.5%)	\$ 534,300.00
			Contingencies (15%)	\$ 641,200.00
TOTAL				\$5,449,550.00

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South San Gabriel Lift Station and Force Main

MAP KEY: WW2026-02

This project includes the permitting, design and construction of a lift station and force main to provide pumping for the South San Gabriel Interceptor (WW2026-01) and associated service area. The design includes a 9.0 MGD firm capacity lift station and approximately 9,510 LF of 16" PVC wastewater force main and associated appurtenances.

The final lift station location and force main alignment have not been determined.

WW2026-02				
South San Gabriel Lift Station and Force Main				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
Lift Station	9.0	MGD	\$ 500,000.00	\$ 4,500,000.00
16" C900, DR-18 PVC Force Main (w/ Trenching, Locator Tape and Backfill)	9,510	L.F.	\$ 70.00	\$ 665,700.00
16" Full Port Plug Valve (w/ Valve Box and Restraint Glands)	5	Ea.	\$ 10,000.00	\$ 47,550.00
Clean-Out Station (16" Force Main)	3	LS	\$ 30,000.00	\$ 90,000.00
Bore & Encase w/ 24" PVC Casing Pipe (w/ Casing Spacers and End Seals)	160	L.F.	\$ 375.00	\$ 60,000.00
Bore & Encase w/ 24" Steel Casing Pipe (w/ Casing Spacers and End Seals)	380	L.F.	\$ 425.00	\$ 161,500.00
Erosion and Sedimentation Control - Silt Fence	8,970	L.F.	\$ 4.50	\$ 40,365.00
Clearing & Chipping	8,970	L.F.	\$ 15.00	\$ 134,550.00
Trench Safety	8,970	L.F.	\$ 4.00	\$ 35,880.00
			Construction Subtotal	\$ 5,735,545.00
			Engineering, Surveying, Legal (15%)	\$ 860,400.00
			Contingencies (15%)	\$ 860,400.00
TOTAL				\$7,456,345.00

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Reuse Pump Station Upgrade at South Fork WWTP

MAP KEY: WW2027-01

This project includes the design and construction of upgrades to the existing effluent pump station at the South Fork WWTP.

The final pump station size has not been determined.

WW2027-01				
Reuse Pump Station Upgrade at South Fork WWTP				
<i>Item</i>	<i>Qty.</i>	<i>Units</i>	<i>Estimated Unit Cost</i>	<i>Estimated Total Cost</i>
Reuse Pump Station Upgrade	1	LS	\$ 1,000,000.00	\$ 1,000,000.00
			Construction Subtotal	\$ 1,000,000.00
			Engineering, Surveying, Legal (12.5%)	\$ 125,000.00
			Contingencies (15%)	\$ 150,000.00
TOTAL				\$1,275,000.00

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Direct Reuse Pump Station for West Liberty Hill WWTP

MAP KEY: WW2027-02

This project includes the permitting, design and construction of a treated effluent pump station to provide pumping to the City of Liberty Hill WTP (DW2027-02) from the West Liberty Hill WWTP (WW2023-01). The design includes a 200,000 GPD firm capacity pump station and associated site work.

WW2027-02				
Direct Reuse Pump Station for West Liberty Hill WWTP				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
Site Work (Erosion Control, Access Road, Grading)	1	LS	\$ 50,000.00	\$ 50,000.00
Concrete Slab and Masonry Pump Building	1	LS	\$ 200,000.00	\$ 200,000.00
Pump Building Equipment (Pumps, Piping, Appurtunances, Crane)	1	LS	\$ 250,000.00	\$ 250,000.00
Yard Piping and Hydropneumatic Tank	1	LS	\$ 150,000.00	\$ 150,000.00
Electrical and Instrumentation	1	LS	\$ 200,000.00	\$ 200,000.00
			Construction Subtotal	\$ 850,000.00
			Engineering, Surveying, Legal (12.5%)	\$ 106,300.00
			Contingencies (15%)	\$ 127,500.00
TOTAL				\$1,083,800.00

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Direct Reuse from South Fork WWTP to WTP

MAP KEY: WW2027-03

This project includes the permitting, design and construction of a 24" reclaimed water line that conveys treated effluent from the South Fork WWTP to the proposed Liberty Hill WTP. The design includes approximately 28,700 LF of 24" PVC water line and associated appurtenances.

The final water line alignment has not been determined.

WW2027-03				
Direct Reuse from South Fork WWTP to WTP				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
24" CL250 Ductile Iron Water Line (w/ Trenching, Locator Tape and Backfill)	28,700	L.F.	\$ 130.00	\$ 3,731,000.00
24" Butterfly Valve (w/ Valve Box and Restraint Glands)	12	Ea.	\$ 10,000.00	\$ 120,000.00
Blow-Off (24" Water Line)	12	Ea.	\$ 6,000.00	\$ 72,000.00
2" Combination Air Release Valve (w/ vault, valve and appurtenances)	10	Ea.	\$ 7,500.00	\$ 75,000.00
Open Cut & Encase w/ 36" PVC Casing Pipe (w/ Casing Spacers and End Seals)	120	L.F.	\$ 300.00	\$ 36,000.00
Existing Driveway Repair	6	Ea.	\$ 2,500.00	\$ 15,000.00
Bore & Encase w/ 36" PVC Casing Pipe (w/ Casing Spacers and End Seals)	690	L.F.	\$ 400.00	\$ 276,000.00
Bore & Encase w/ 36" Steel Casing Pipe (w/ Casing Spacers and End Seals)	160	L.F.	\$ 450.00	\$ 72,000.00
Erosion and Sedimentation Control - Silt Fence	27,850	L.F.	\$ 4.50	\$ 125,325.00
Clearing & Chipping	27,850	L.F.	\$ 15.00	\$ 417,750.00
Trench Safety	27,850	L.F.	\$ 4.00	\$ 111,400.00
			Construction Subtotal	\$ 5,051,475.00
			Engineering, Surveying, Legal (12.5%)	\$ 631,500.00
			Contingencies (15%)	\$ 757,800.00
TOTAL				\$6,440,775.00

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Direct Reuse from West Liberty Hill WWTP to WTP

MAP KEY: WW2027-03

This project includes the permitting, design and construction of a 12" reclaimed water line that conveys treated effluent from the West Liberty Hill WWTP to the proposed Liberty Hill WTP. The design includes approximately 23,900 LF of 12" PVC water line and associated appurtenances.

The final water line alignment has not been determined.

WW2027-04				
Direct Reuse from West Liberty Hill WWTP to WTP				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
12" C900, DR-18 PVC Force Main (w/ Trenching, Locator Tape and Backfill)	23,900	L.F.	\$ 60.00	\$ 1,434,000.00
12" Full Port Plug Valve (w/ Valve Box and Restraint Glands)	10	Ea.	\$ 5,000.00	\$ 50,000.00
Blow-Off (24" Water Line)	10	Ea	\$ 6,000.00	\$ 60,000.00
2" Combination Air Release Valve (w/ vault, valve and appurtenances)	9	Ea.	\$ 7,500.00	\$ 67,500.00
Open Cut & Encase w/ 36" PVC Casing Pipe (w/ Casing Spacers and End Seals)	220	L.F.	\$ 300.00	\$ 66,000.00
Existing Driveway Repair	11	Ea.	\$ 2,500.00	\$ 27,500.00
Bore & Encase w/ 36" PVC Casing Pipe (w/ Casing Spacers and End Seals)	500	L.F.	\$ 400.00	\$ 200,000.00
Erosion and Sedimentation Control - Silt Fence	23,400	L.F.	\$ 4.50	\$ 105,300.00
Clearing & Chipping	23,400	L.F.	\$ 15.00	\$ 351,000.00
Trench Safety	23,400	L.F.	\$ 4.00	\$ 93,600.00
			Construction Subtotal	\$ 2,454,900.00
			Engineering, Surveying, Legal (12.5%)	\$ 306,900.00
			Contingencies (15%)	\$ 368,300.00
TOTAL				\$3,130,100.00

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North Fork Wastewater Treatment Plant

MAP KEY: WW2028-01

This project includes the permitting, design and construction of a wastewater treatment plant on the North Fork San Gabriel wastewater plant site. The plant will provide service for future growth in the area.

WW2028-01				
North Fork Wastewater Treatment Plant				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
Wastewater Treatment Plant (200,000 GPD)	1	LS	\$ 3,300,000.00	\$ 3,300,000.00
			Construction Subtotal	\$ 3,300,000.00
			Engineering, Surveying, Legal (15%)	\$ 495,000.00
			Contingencies (15%)	\$ 495,000.00
TOTAL				\$4,290,000.00

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North San Gabriel Interceptor

MAP KEY: WW2028-02

This project includes the permitting, design and construction of a 24" wastewater gravity interceptor that serves the North Fork Lift Station and associated North Fork WWTP service area. The design includes approximately 12,030 LF of 24" PVC gravity wastewater main and associated appurtenances.

The final gravity interceptor alignment has not been determined.

WW2028-02				
North Fork Interceptor				
Item	Qty.	Units	Est. Unit Cost	Est. Total Cost
24" PS-115 PVC Wastewater Line (w/ Trenching, Locator Tape and Backfill)	12,030	L.F.	\$ 150.00	\$ 1,804,500.00
60" Diameter Bolted & Sealed Manhole	24	Ea.	\$ 10,000.00	\$ 240,600.00
Manhole Vent	8	Ea.	\$ 2,500.00	\$ 20,000.00
Bore & Encase w/ 36" Steel Casing Pipe (w/ Casing Spacers and End Seals)	140	L.F.	\$ 450.00	\$ 63,000.00
Erosion and Sedimentation Control - Silt Fence	11,890	L.F.	\$ 4.50	\$ 53,505.00
Clearing & Chipping	11,890	L.F.	\$ 15.00	\$ 178,350.00
Trench Safety	11,890	L.F.	\$ 4.00	\$ 47,560.00
Construction Subtotal				\$ 2,407,515.00
Engineering, Surveying, Legal (12.5%)				\$ 301,000.00
Contingencies (15%)				\$ 361,200.00
TOTAL				\$3,069,715.00

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North San Gabriel Lift Station and Force Main

MAP KEY: WW2028-03

This project includes the permitting, design and construction of a lift station and force main to provide pumping for the North San Gabriel Interceptor and associated service area. The design includes a 9.0 MGD firm capacity lift station and approximately 10,350 LF of 16" PVC wastewater force main and associated appurtenances.

The final lift station location and force main alignment have not been determined.

WW2028-03				
North Fork Offsite Lift Station and Force Main				
Item	Qty.	Units	Estimated Unit Cost	Estimated Total Cost
Lift Station	9.0	MGD	\$ 500,000.00	\$ 4,500,000.00
16" C900, DR-18 PVC Force Main (w/ Trenching, Locator Tape and Backfill)	10,350	L.F.	\$ 70.00	\$ 724,500.00
16" Full Port Plug Valve (w/ Valve Box and Restraint Glands)	5	Ea.	\$ 10,000.00	\$ 51,750.00
Clean-Out Station (16" Force Main)	3	LS	\$ 30,000.00	\$ 90,000.00
Open Cut & Encase w/ 30" PVC Casing Pipe (w/ Casing Spacers and End Seals)	60	L.F.	\$ 275.00	\$ 16,500.00
Bore & Encase w/ 30" PVC Casing Pipe (w/ Casing Spacers and End Seals)	240	L.F.	\$ 475.00	\$ 114,000.00
Erosion and Sedimentation Control - Silt Fence	10,110	L.F.	\$ 4.50	\$ 45,495.00
Clearing & Chipping	10,110	L.F.	\$ 15.00	\$ 151,650.00
Trench Safety	10,110	L.F.	\$ 4.00	\$ 40,440.00
			Construction Subtotal	\$ 5,734,335.00
			Engineering, Surveying, Legal (12.5%)	\$ 716,800.00
			Contingencies (15%)	\$ 860,200.00
TOTAL				\$7,311,335.00

This is a preliminary cost summary based on similar work in the City of Liberty Hill Service area and not an actual cost quote or bid. It has not been based on any engineering plans or survey. A revised and more accurate estimate will be provided after the engineering plans have been prepared and/or actual construction bids have been received and tabulated.