

Sewer Improvements North of Provo Reservoir Canal - Phase I - V

Jan 2015 CCI =

9972

ITEM NO.	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL AMOUNT
1	Mobilization	1	LS	\$68,007.18	\$68,007.18
2	Traffic Control	1	LS	\$29,000.00	\$29,000.00
3	Furnish and Install 8" PVC Sewer Pipe (4000 North)	1,250	LF	\$95.00	\$118,750.00
4	Furnish and Install 8" PVC Sewer Pipe (900 West)	1,150	LF	\$95.00	\$109,250.00
5	Furnish and Install 8" PVC Sewer Pipe (Wedgewood Connection)	450	LF	\$75.00	\$33,750.00
6	Furnish and Install 8" PVC Sewer Pipe (Private Property)	800	LF	\$75.00	\$60,000.00
7	Furnish and Install 8" PVC Sewer Pipe (Canyon Road)	1,350	LF	\$95.00	\$128,250.00
8	Furnish and Install 8" PVC Sewer Pipe (Private Property)	700	LF	\$75.00	\$52,500.00
9	Furnish and Install 8" PVC Sewer Pipe (Private Property)	450	LF	\$90.00	\$40,500.00
10	Furnish and Install 8" PVC Sewer Pipe (Canyon Road)	450	LF	\$110.00	\$49,500.00
4	Furnish and Install 4' Manholes	25	Each	\$6,000.00	\$150,000.00
5	Furnish and Install 4" lateral (stubbed to property line)	34	Each	\$2,000.00	\$68,000.00
6	Class A Road Repair	44144	SF	\$4.00	\$176,576.00
7	Import Backfill (100%)	17261	Ton	\$17.50	\$302,067.50
8	Landscape and sidewalk repair	1	LS	\$42,000.00	\$42,000.00
TOTAL CONSTRUCTION (BASE BID)					\$1,428,150.68
	Engineering		8.00%		\$114,252.05
	CM		7.00%		\$99,970.55
	Land and Easement Costs	1.10	Acre	\$100,000.00	\$110,192.84
	Legal and Bonding		2.00%		\$28,563.01
	Contingency		15.00%		\$214,222.60
Grand Total					\$1,995,351.73
Cost Per Existing Connection (34)					\$58,686.82
Cost Per Buildout Connection (85 Max at RR zoning)					\$23,474.73
Cost to Connect from Home to Lateral including Septic Abandonment					\$5,000 to \$12,000
Impact Fee Cost - TSSD					\$2,475.00
Impact Fee Cost - City					\$1,034.00
Connection Fee					\$265.00

**Engineer's Estimate
Horrocks Engineers**

Project Manager: John E. Schiess, P.E.

Sewer Improvements North of Provo Reservoir Canal - Phase I

Jan 2015 CCI = 9972

ITEM NO.	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL AMOUNT
1	Mobilization	1	LS	\$13,690.38	\$13,690.38
2	Traffic Control	1	LS	\$3,000.00	\$3,000.00
3	Furnish and Install 8" PVC Sewer Pipe (4000 North)	1,250	LF	\$95.00	\$118,750.00
4	Furnish and Install 4' Manholes	4	Each	\$6,000.00	\$24,000.00
5	Furnish and Install 4" lateral (stubbed to property line)	9	Each	\$2,000.00	\$18,000.00
6	Class A Road Repair	16280	SF	\$4.00	\$65,120.00
7	Import Backfill (100%)	2225.00	Ton	\$17.50	\$38,937.50
8	Landscape and sidewalk repair	1	LS	\$6,000.00	\$6,000.00
TOTAL CONSTRUCTION (BASE BID)					\$287,497.88
	Engineering		8.00%		\$22,999.83
	CM		7.00%		\$20,124.85
	Land and Easement Costs	0.00	Acre	\$100,000.00	\$0.00
	Legal and Bonding		2.00%		\$5,749.96
	Contingency		15.00%		\$43,124.68
Grand Total					\$379,497.20
	Cost Per Existing Connection (9)				\$42,166.36
	Cost Per Buildout Connection (24 Max at RR zoning)				\$15,812.38
	Cost to Connect from Home to Lateral including Septic Abandonment			\$5,000 to \$12,000	
	Impact Fee Cost - TSSD				\$2,475.00
	Impact Fee Cost - City				\$1,034.00
	Connection Fee				\$265.00

**Engineer's Estimate
Horrocks Engineers**

Project Manager: John E. Schiess, P.E.

Sewer Improvements North of Provo Reservoir Canal - Phase II

Jan 2015 CCI =

9972

ITEM NO.	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL AMOUNT
1	Mobilization	1	LS	\$8,000.00	\$8,000.00
2	Traffic Control	1	LS	\$5,000.00	\$5,000.00
3	Furnish and Install 8" PVC Sewer Pipe (900 West)	1,150	LF	\$95.00	\$109,250.00
4	Furnish and Install 8" PVC Sewer Pipe (Wedgewood Connection)	450	LF	\$75.00	\$33,750.00
5	Furnish and Install 4' Manholes	4	Each	\$6,000.00	\$24,000.00
6	Furnish and Install 4" lateral *	7	Each	\$2,000.00	\$14,000.00
7	Class A Road Repair	11548	SF	\$4.00	\$46,192.00
8	Import Backfill	1600	CY	\$17.50	\$28,000.00
9	Landscape and sidewalk repair	1	LS	\$8,000.00	\$8,000.00
TOTAL CONSTRUCTION (BASE BID)					\$276,192.00
	Engineering		8.00%		\$22,095.36
	CM		7.00%		\$19,333.44
	Land and Easement Costs	0.21	Acre	\$100,000.00	\$20,661.16
	Legal and Bonding		2.00%		\$5,523.84
	Contingency		15.00%		\$41,428.80
Grand Total					\$385,234.60
Cost Per Existing Connection (16, 9 already connected to Wedgewood Sewer)					\$24,077.16
Cost Per Buildout Connection (18 Max at RR zoning)					\$21,401.92
Cost to Connect from Home to Lateral including Septic Abandonment					\$5,000 to \$12,000
Impact Fee Cost - TSSD					\$2,475.00
Impact Fee Cost - City					\$1,034.00
Connection Fee					\$265.00

* Cannot reach western most PG home on Wedgewood, 8 others would be connected to PG System

**Engineer's Estimate
Horrocks Engineers**

Project Manager: John E. Schiess, P.E.

Sewer Improvements North of Provo Reservoir Canal - Phase III

Jan 2015 CCI =

9972

ITEM NO.	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL AMOUNT
1	Mobilization	1	LS	\$11,000.00	\$11,000.00
2	Traffic Control and Traffic Control Specialist	1	LS	\$12,000.00	\$12,000.00
3	Furnish and Install 8" PVC Sewer Pipe (Private Property)	800	LF	\$75.00	\$60,000.00
4	Furnish and Install 8" PVC Sewer Pipe (Canyon Road)	1,350	LF	\$95.00	\$128,250.00
5	Furnish and Install 4' Manholes	8	Each	\$6,000.00	\$48,000.00
6	Furnish and Install 4" lateral	13	Each	\$2,000.00	\$26,000.00
7	Class A Road Repair	11836	SF	\$4.00	\$47,344.00
8	Import Backfill	2150	CY	\$17.50	\$37,625.00
9	Landscape and sidewalk repair	1	LS	\$10,000.00	\$10,000.00
TOTAL CONSTRUCTION (BASE BID)					\$380,219.00
	Engineering		8.00%		\$30,417.52
	CM		7.00%		\$26,615.33
	Land and Easement Costs	0.37	Acre	\$100,000.00	\$36,730.95
	Legal and Bonding		2.00%		\$7,604.38
	Contingency		15.00%		\$57,032.85
Grand Total					\$538,620.03
Cost Per Existing Connection (13)					\$41,432.31
Cost Per Buildout Connection (30 Max at RR zoning)					\$17,954.00
Cost to Connect from Home to Lateral including Septic Abandonment					\$5,000 to \$12,000
Impact Fee Cost - TSSD					\$2,475.00
Impact Fee Cost - City					\$1,034.00
Connection Fee					\$265.00

**Engineer's Estimate
Horrocks Engineers**

Project Manager: John E. Schiess, P.E.

Sewer Improvements North of Provo Reservoir Canal - Phase IV

Jan 2015 CCI = 9972

ITEM NO.	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL AMOUNT
1	Mobilization	1	LS	\$3,000.00	\$3,000.00
2	Traffic Control	1	LS	\$1,000.00	\$1,000.00
3	Furnish and Install 8" PVC Sewer Pipe (Private Property)	700	LF	\$75.00	\$52,500.00
4	Furnish and Install 4' Manholes	4	Each	\$6,000.00	\$24,000.00
5	Furnish and Install 4" lateral	3	Each	\$2,000.00	\$6,000.00
6	Class A Road Repair	600	SF	\$4.00	\$2,400.00
7	Import Backfill	700	CY	\$17.50	\$12,250.00
8	Landscape and sidewalk repair	1	LS	\$3,000.00	\$3,000.00
TOTAL CONSTRUCTION (BASE BID)					\$104,150.00
	Engineering		8.00%		\$8,332.00
	CM		7.00%		\$7,290.50
	Land and Easement Costs	0.32	Acre	\$100,000.00	\$32,139.58
	Legal and Bonding		2.00%		\$2,083.00
	Contingency		15.00%		\$15,622.50
Grand Total					\$169,617.58
Cost Per Existing Connection (3)					\$56,539.19
Cost Per Buildout Connection (9 Max at RR zoning)					\$18,846.40
Cost to Connect from Home to Lateral including Septic Abandonment					\$5,000 to \$12,000
Impact Fee Cost - TSSD					\$2,475.00
Impact Fee Cost - City					\$1,034.00
Connection Fee					\$265.00

**Engineer's Estimate
Horrocks Engineers**

Project Manager: John E. Schiess, P.E.

Sewer Improvements North of Provo Reservoir Canal - Phase V

Jan 2015 CCI =

9972

ITEM NO.	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL AMOUNT
1	Mobilization	1	LS	\$5,300.00	\$5,300.00
2	Traffic Control and Traffic Control Specialist	1	LS	\$8,000.00	\$8,000.00
3	Furnish and Install 8" PVC Sewer Pipe (Private Property) *	450	LF	\$90.00	\$40,500.00
4	Furnish and Install 8" PVC Sewer Pipe (Canyon Road) *	450	LF	\$110.00	\$49,500.00
5	Furnish and Install 4' Manholes	5	Each	\$6,000.00	\$30,000.00
6	Furnish and Install 4" lateral	2	Each	\$2,000.00	\$4,000.00
7	Class A Road Repair	3880	SF	\$4.00	\$15,520.00
8	Import Backfill	900	CY	\$17.50	\$15,750.00
9	Landscape and sidewalk repair	1	LS	\$15,000.00	\$15,000.00
TOTAL CONSTRUCTION (BASE BID)					\$183,570.00
	Engineering		8.00%		\$14,685.60
	CM		7.00%		\$12,849.90
	Land and Easement Costs	0.21	Acre	\$100,000.00	\$20,661.16
	Legal and Bonding		2.00%		\$3,671.40
	Contingency		15.00%		\$27,535.50
Grand Total					\$262,973.56
Cost Per Existing Connection (2)					\$131,486.78
Cost Per Buildout Connection (4 Max at RR zoning)					\$65,743.39
Cost to Connect from Home to Lateral including Septic Abandonment					\$5,000 to \$12,000
Impact Fee Cost - TSSD					\$2,475.00
Impact Fee Cost - City					\$1,034.00
Connection Fee					\$265.00