

Project: S-1

Description: Supply Improvements

See Groundwater Development Master Plan CIP

Project: FF-1

Description: Install 15,820 LF of 8-, 10-, 12-, 16- and 20-inch diameter pipe in Grant Butte service level between NE 20th St, NE Hogan Rd, NW Division St and NW Civic Dr

Item	Item Description	Estimated Project Cost
1	7,660 LF of 8" DI Pipe and Surface Replacement	\$1,704,000
2	610 LF of 10" DI Pipe and Surface Replacement	\$149,000
3	1,350 LF of 12" DI Pipe and Surface Replacement	\$351,000
4	2,060 LF of 16" DI Pipe and Surface Replacement	\$634,000
5	4,140 LF of 20" DI Pipe and Surface Replacement	\$1,489,000
6	Mobilization, Bonds, Insurance, Shop Drawings	\$347,000
7	30% Contingency	\$1,403,000
	Total Construction Cost Estimate	\$6,077,000
8	Oregon Corporate Activity Tax	\$66,000
9	20% Engineering Allowance	\$1,216,000
10	5% Permitting, Inspections, and Administration	\$304,000
11	14% City of Gresham Administration Fee	\$851,000
	Total Project Cost Estimate	\$8,514,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-2

Description: Install 10,740 LF of 8-, 12- and 16-inch diameter pipe in Downtown Gresham between NE 8th St, NE Powell Blvd, NW Miller Ave and NE Cleveland Ave

Item	Item Description	Estimated Project Cost
1	5,200 LF of 8" DI Pipe and Surface Replacement	\$1,158,000
2	2,940 LF of 12" DI Pipe and Surface Replacement	\$764,000
3	2,600 LF of 16" DI Pipe and Surface Replacement	\$800,000
4	Mobilization, Bonds, Insurance, Shop Drawings	\$218,000
5	30% Contingency	\$882,000
	Total Construction Cost Estimate	\$3,822,000
6	Oregon Corporate Activity Tax	\$39,000
7	20% Engineering Allowance	\$765,000
8	5% Permitting, Inspections, and Administration	\$192,000
9	14% City of Gresham Administration Fee	\$536,000
	Total Project Cost Estimate	\$5,354,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-3
Description: Install 3,700 LF of 8-inch diameter pipe between NE Hogan Dr, NE 23rd St and NE Rene Ave

Item	Item Description	Estimated Project Cost
1	3,700 LF of 8" DI Pipe and Surface Replacement	\$822,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$66,000
3	30% Contingency	\$267,000
	Total Construction Cost Estimate	\$1,155,000
4	Oregon Corporate Activity Tax	\$12,000
5	20% Engineering Allowance	\$231,000
6	5% Permitting, Inspections, and Administration	\$58,000
7	14% City of Gresham Administration Fee	\$162,000
	Total Project Cost Estimate	\$1,618,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-4
Description: Install 2,660 LF of miscellaneous 8-, 10- and 12-inch diameter pipe in Grant Butte service level

Item	Item Description	Estimated Project Cost
1	1,900 LF of 8" DI Pipe and Surface Replacement	\$424,000
2	740 LF of 10" DI Pipe and Surface Replacement	\$181,000
3	20 LF of 12" DI Pipe and Surface Replacement	\$6,000
4	Mobilization, Bonds, Insurance, Shop Drawings	\$49,000
5	30% Contingency	\$198,000
	Total Construction Cost Estimate	\$858,000
6	Oregon Corporate Activity Tax	\$9,000
7	20% Engineering Allowance	\$172,000
8	5% Permitting, Inspections, and Administration	\$43,000
9	14% City of Gresham Administration Fee	\$121,000
	Total Project Cost Estimate	\$1,203,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-5
Description: Install 3,880 LF of 8-inch diameter pipe in SE 1st Ave, NE Village Squire Ave, and NE 4th and 5th St

Item	Item Description	Estimated Project Cost
1	3,880 LF of 8" DI Pipe and Surface Replacement	\$864,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$70,000
3	30% Contingency	\$281,000
	Total Construction Cost Estimate	\$1,215,000
4	Oregon Corporate Activity Tax	\$13,000
5	20% Engineering Allowance	\$243,000
6	5% Permitting, Inspections, and Administration	\$61,000
7	14% City of Gresham Administration Fee	\$171,000
	Total Project Cost Estimate	\$1,703,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-6

Description: Install 3,300 LF of miscellaneous 8-in diameter pipe in Intermediate service level

Item	Item Description	Estimated Project Cost
1	3,300 LF of 8" DI Pipe and Surface Replacement	\$735,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$59,000
3	30% Contingency	\$239,000
	Total Construction Cost Estimate	\$1,033,000
4	Oregon Corporate Activity Tax	\$11,000
5	20% Engineering Allowance	\$207,000
6	5% Permitting, Inspections, and Administration	\$52,000
7	14% City of Gresham Administration Fee	\$145,000
	Total Project Cost Estimate	\$1,448,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-7

Description: Install 4,180 LF of 8-inch diameter pipe between SE Rene Ave and SE Francis Ave

Item	Item Description	Estimated Project Cost
1	4,180 LF of 8" DI Pipe and Surface Replacement	\$931,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$75,000
3	30% Contingency	\$302,000
	Total Construction Cost Estimate	\$1,308,000
4	Oregon Corporate Activity Tax	\$14,000
5	20% Engineering Allowance	\$262,000
6	5% Permitting, Inspections, and Administration	\$66,000
7	14% City of Gresham Administration Fee	\$184,000
	Total Project Cost Estimate	\$1,834,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-8
Description: Install 3,710 LF of 8-in diameter pipe between SE Kelly Ave, SE 19th St and SE Cleveland Ave

Item	Item Description	Estimated Project Cost
1	3,710 LF of 8" DI Pipe and Surface Replacement	\$827,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$67,000
3	30% Contingency	\$269,000
	Total Construction Cost Estimate	\$1,163,000
4	Oregon Corporate Activity Tax	\$12,000
5	20% Engineering Allowance	\$233,000
6	5% Permitting, Inspections, and Administration	\$59,000
7	14% City of Gresham Administration Fee	\$163,000
	Total Project Cost Estimate	\$1,630,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-9

Description: Install 1,710 LF of 8-inch diameter pipe in NE Country Club Ave

Item	Item Description	Estimated Project Cost
1	1,710 LF of 8" DI Pipe and Surface Replacement	\$381,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$31,000
3	30% Contingency	\$124,000
	Total Construction Cost Estimate	\$536,000
4	Oregon Corporate Activity Tax	\$6,000
5	20% Engineering Allowance	\$108,000
6	5% Permitting, Inspections, and Administration	\$27,000
7	14% City of Gresham Administration Fee	\$76,000
	Total Project Cost Estimate	\$753,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-10
Description: Install 2,950 LF of 8-inch diameter pipe between NE Village Squire Ct and NE Palmland Dr

Item	Item Description	Estimated Project Cost
1	2,950 LF of 8" DI Pipe and Surface Replacement	\$657,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$53,000
3	30% Contingency	\$213,000
	Total Construction Cost Estimate	\$923,000
4	Oregon Corporate Activity Tax	\$10,000
5	20% Engineering Allowance	\$185,000
6	5% Permitting, Inspections, and Administration	\$47,000
7	14% City of Gresham Administration Fee	\$130,000
	Total Project Cost Estimate	\$1,295,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-11

Description: Install 1,660 LF of 8-inch diameter pipe in NE 17th Dr

Item	Item Description	Estimated Project Cost
1	1,660 LF of 8" DI Pipe and Surface Replacement	\$370,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$30,000
3	30% Contingency	\$120,000
	Total Construction Cost Estimate	\$520,000
4	Oregon Corporate Activity Tax	\$6,000
5	20% Engineering Allowance	\$104,000
6	5% Permitting, Inspections, and Administration	\$26,000
7	14% City of Gresham Administration Fee	\$73,000
	Total Project Cost Estimate	\$729,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-12

Description: Install 2,870 LF of 8-inch diameter pipe between NW 9th St and NW 6th St

Item	Item Description	Estimated Project Cost
1	2,870 LF of 8" DI Pipe and Surface Replacement	\$640,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$52,000
3	30% Contingency	\$208,000
	Total Construction Cost Estimate	\$900,000
4	Oregon Corporate Activity Tax	\$9,000
5	20% Engineering Allowance	\$180,000
6	5% Permitting, Inspections, and Administration	\$45,000
7	14% City of Gresham Administration Fee	\$126,000
	Total Project Cost Estimate	\$1,260,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-13

Description: Install 1,270 LF of 8-in diameter pipe in SE 23rd St

Item	Item Description	Estimated Project Cost
1	1,270 LF of 8" DI Pipe and Surface Replacement	\$283,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$23,000
3	30% Contingency	\$92,000
	Total Construction Cost Estimate	\$398,000
4	Oregon Corporate Activity Tax	\$4,000
5	20% Engineering Allowance	\$80,000
6	5% Permitting, Inspections, and Administration	\$20,000
7	14% City of Gresham Administration Fee	\$56,000
	Total Project Cost Estimate	\$558,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-14

Description: Install 1,380 LF of 8-inch diameter pipe in SE 4th and 5th St

Item	Item Description	Estimated Project Cost
1	1,380 LF of 8" DI Pipe and Surface Replacement	\$308,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$25,000
3	30% Contingency	\$100,000
	Total Construction Cost Estimate	\$433,000
4	Oregon Corporate Activity Tax	\$5,000
5	20% Engineering Allowance	\$87,000
6	5% Permitting, Inspections, and Administration	\$22,000
7	14% City of Gresham Administration Fee	\$61,000
	Total Project Cost Estimate	\$608,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-15
Description: Install 2,590 LF of 8-inch diameter pipe in NE 2nd St, SE 1st St, SE El Camino Dr and SE Palomia Ave

Item	Item Description	Estimated Project Cost
1	2,590 LF of 8" DI Pipe and Surface Replacement	\$577,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$47,000
3	30% Contingency	\$188,000
	Total Construction Cost Estimate	\$812,000
4	Oregon Corporate Activity Tax	\$9,000
5	20% Engineering Allowance	\$163,000
6	5% Permitting, Inspections, and Administration	\$41,000
7	14% City of Gresham Administration Fee	\$114,000
	Total Project Cost Estimate	\$1,139,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-16

Description: Install 3,820 LF of 12-in diameter pipe in E Powell Blvd

Item	Item Description	Estimated Project Cost
1	3,820 LF of 12" DI Pipe and Surface Replacement	\$993,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$80,000
3	30% Contingency	\$322,000
	Total Construction Cost Estimate	\$1,395,000
4	Oregon Corporate Activity Tax	\$14,000
5	20% Engineering Allowance	\$279,000
6	5% Permitting, Inspections, and Administration	\$70,000
7	14% City of Gresham Administration Fee	\$196,000
	Total Project Cost Estimate	\$1,954,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-17

Description: Install 620 LF of 8-in diameter pipe in SE Glacier Ave

Item	Item Description	Estimated Project Cost
1	620 LF of 8" DI Pipe and Surface Replacement	\$139,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$12,000
3	30% Contingency	\$46,000
	Total Construction Cost Estimate	\$197,000
4	Oregon Corporate Activity Tax	\$2,000
5	20% Engineering Allowance	\$40,000
6	5% Permitting, Inspections, and Administration	\$10,000
7	14% City of Gresham Administration Fee	\$28,000
	Total Project Cost Estimate	\$277,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-18

Description: Install 1,200 LF of 8-in diameter pipe in Gabbert and South Hills service levels

Item	Item Description	Estimated Project Cost
1	1,200 LF of 8" DI Pipe and Surface Replacement	\$270,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$22,000
3	30% Contingency	\$88,000
	Total Construction Cost Estimate	\$380,000
4	Oregon Corporate Activity Tax	\$4,000
5	20% Engineering Allowance	\$76,000
6	5% Permitting, Inspections, and Administration	\$19,000
7	14% City of Gresham Administration Fee	\$54,000
	Total Project Cost Estimate	\$533,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-19

Description: Install 2,190 LF of 8- and 12-in diameter pipe in NE 185 Dr

Item	Item Description	Estimated Project Cost
1	110 LF of 8" DI Pipe and Surface Replacement	\$25,000
2	2,080 LF of 12" DI Pipe and Surface Replacement	\$541,000
3	Mobilization, Bonds, Insurance, Shop Drawings	\$46,000
4	30% Contingency	\$184,000
	Total Construction Cost Estimate	\$796,000
5	Oregon Corporate Activity Tax	\$8,000
6	20% Engineering Allowance	\$160,000
7	5% Permitting, Inspections, and Administration	\$40,000
8	14% City of Gresham Administration Fee	\$112,000
	Total Project Cost Estimate	\$1,116,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- No surface replacement costs
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-20

Description: Install 2,440 LF of 8-inch diameter pipe in SE Library Ave

Item	Item Description	Estimated Project Cost
1	2,440 LF of 8" DI Pipe and Surface Replacement	\$544,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$44,000
3	30% Contingency	\$177,000
	Total Construction Cost Estimate	\$765,000
4	Oregon Corporate Activity Tax	\$8,000
5	20% Engineering Allowance	\$153,000
6	5% Permitting, Inspections, and Administration	\$39,000
7	14% City of Gresham Administration Fee	\$108,000
	Total Project Cost Estimate	\$1,073,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: FF-21

Description: Install 1,940 LF of 8- and 12-in diameter pipe in SE Chase Rd

Item	Item Description	Estimated Project Cost
1	300 LF of 8" DI Pipe and Surface Replacement	\$67,000
2	1,640 LF of 12" DI Pipe and Surface Replacement	\$427,000
3	Mobilization, Bonds, Insurance, Shop Drawings	\$40,000
4	30% Contingency	\$161,000
	Total Construction Cost Estimate	\$695,000
5	Oregon Corporate Activity Tax	\$7,000
6	20% Engineering Allowance	\$139,000
7	5% Permitting, Inspections, and Administration	\$35,000
8	14% City of Gresham Administration Fee	\$98,000
	Total Project Cost Estimate	\$974,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: D-1

Description: Pleasant Valley Service Extension (PV2), Install 4,910 LF of 16-inch diameter pipe

Item	Item Description	Estimated Project Cost
1	4,910 LF of 16" DI Pipe	\$1,120,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$90,000
3	30% Contingency	\$363,000
	Total Construction Cost Estimate	\$1,573,000
4	Oregon Corporate Activity Tax	\$16,000
5	20% Engineering Allowance	\$315,000
6	5% Permitting, Inspections, and Administration	\$79,000
7	14% City of Gresham Administration Fee	\$221,000
	Total Project Cost Estimate	\$2,204,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- No surface replacement costs
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: D-2

Description: Pleasant Valley Service Extension (PV3), Install 3,710 LF of 12-inch diameter pipe

Item	Item Description	Estimated Project Cost
1	3,710 LF of 12" DI Pipe	\$689,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$56,000
3	30% Contingency	\$224,000
	Total Construction Cost Estimate	\$969,000
4	Oregon Corporate Activity Tax	\$10,000
5	20% Engineering Allowance	\$194,000
6	5% Permitting, Inspections, and Administration	\$49,000
7	14% City of Gresham Administration Fee	\$136,000
	Total Project Cost Estimate	\$1,358,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- No surface replacement costs
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: D-3-A
Description: Pleasant Valley Service Extension (PV4, South Line), Install 2,560 LF of 12- and 16-inch diameter pipe

Item	Item Description	Estimated Project Cost
1	2,260 LF of 12" DI Pipe	\$420,000
2	300 LF of 16" DI Pipe	\$69,000
3	Mobilization, Bonds, Insurance, Shop Drawings	\$40,000
4	30% Contingency	\$159,000
	Total Construction Cost Estimate	\$688,000
5	Oregon Corporate Activity Tax	\$7,000
6	20% Engineering Allowance	\$138,000
7	5% Permitting, Inspections, and Administration	\$35,000
8	14% City of Gresham Administration Fee	\$97,000
	Total Project Cost Estimate	\$965,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- No surface replacement costs
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: D-3-B
Description: Pleasant Valley Service Extension (PV4, North Line), Install 4,730 LF of 12- and 16-inch diameter pipe

Item	Item Description	Estimated Project Cost
1	2,540 LF of 12" DI Pipe	\$472,000
2	2,190 LF of 16" DI Pipe	\$500,000
3	Mobilization, Bonds, Insurance, Shop Drawings	\$78,000
4	30% Contingency	\$315,000
	Total Construction Cost Estimate	\$1,365,000
5	Oregon Corporate Activity Tax	\$14,000
6	20% Engineering Allowance	\$273,000
7	5% Permitting, Inspections, and Administration	\$69,000
8	14% City of Gresham Administration Fee	\$192,000
	Total Project Cost Estimate	\$1,913,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- No surface replacement costs
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: D-4

Description: Pleasant Valley Service Extension (PV5), Install 2,310 LF of 16-inch diameter pipe

Item	Item Description	Estimated Project Cost
1	2,310 LF of 16" DI Pipe	\$527,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$43,000
3	30% Contingency	\$171,000
	Total Construction Cost Estimate	\$741,000
4	Oregon Corporate Activity Tax	\$8,000
5	20% Engineering Allowance	\$149,000
6	5% Permitting, Inspections, and Administration	\$38,000
7	14% City of Gresham Administration Fee	\$104,000
	Total Project Cost Estimate	\$1,040,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- No surface replacement costs
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: D-5

Description: Pleasant Valley Service Extension (PV6), Install 2,920 LF of 12-inch diameter pipe

Item	Item Description	Estimated Project Cost
1	2,920 LF of 12" DI Pipe	\$542,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$44,000
3	30% Contingency	\$176,000
	Total Construction Cost Estimate	\$762,000
4	Oregon Corporate Activity Tax	\$8,000
5	20% Engineering Allowance	\$153,000
6	5% Permitting, Inspections, and Administration	\$39,000
7	14% City of Gresham Administration Fee	\$107,000
	Total Project Cost Estimate	\$1,069,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- No surface replacement costs
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: D-6
Description: Pleasant Valley Service Extension (PV7), Install 5,080 LF of 12- and 16-inch diameter pipe

Item	Item Description	Estimated Project Cost
1	2,480 LF of 12" DI Pipe	\$461,000
2	2,600 LF of 16" DI Pipe	\$593,000
3	Mobilization, Bonds, Insurance, Shop Drawings	\$85,000
4	30% Contingency	\$342,000
	Total Construction Cost Estimate	\$1,481,000
5	Oregon Corporate Activity Tax	\$15,000
6	20% Engineering Allowance	\$297,000
7	5% Permitting, Inspections, and Administration	\$75,000
8	14% City of Gresham Administration Fee	\$208,000
	Total Project Cost Estimate	\$2,076,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- No surface replacement costs
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: D-7

Description: Pleasant Valley Service Extension (PV8), Install 9,630 LF of 16-inch diameter pipe

Item	Item Description	Estimated Project Cost
1	9,630 LF of 16" DI Pipe	\$2,196,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$176,000
3	30% Contingency	\$712,000
	Total Construction Cost Estimate	\$3,084,000
4	Oregon Corporate Activity Tax	\$31,000
5	20% Engineering Allowance	\$617,000
6	5% Permitting, Inspections, and Administration	\$155,000
7	14% City of Gresham Administration Fee	\$432,000
	Total Project Cost Estimate	\$4,319,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- No surface replacement costs
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: D-8

Description: Spring Water Service Extension, Install 47,830 LF of 12- and 16-inch diameter pipe

Item	Item Description	Estimated Project Cost
1	8,120 LF of 12" DI Pipe	\$1,507,000
2	39,710 LF of 16" DI Pipe	\$9,054,000
3	Mobilization, Bonds, Insurance, Shop Drawings	\$845,000
4	30% Contingency	\$3,422,000
	Total Construction Cost Estimate	\$14,828,000
5	Oregon Corporate Activity Tax	\$149,000
6	20% Engineering Allowance	\$2,966,000
7	5% Permitting, Inspections, and Administration	\$742,000
8	14% City of Gresham Administration Fee	\$2,076,000
	Total Project Cost Estimate	\$20,761,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- No surface replacement costs
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: D-9

Description: Miscellaneous Distribution System Improvements

Item	Item Description	Estimated Project Cost
1	MCC, VFD at Hunters Highland PS	\$80,000
2	ATS, generator at Gabbert PS and Salquist PS	\$200,000
3	Butler PRV remote operations	\$70,000
4	Mobilization, Bonds, Insurance, Shop Drawings	\$28,000
5	30% Contingency	\$114,000
	Total Construction Cost Estimate	\$492,000
6	Oregon Corporate Activity Tax	\$5,000
7	20% Engineering Allowance	\$99,000
8	5% Permitting, Inspections, and Administration	\$25,000
9	14% City of Gresham Administration Fee	\$69,000
	Total Project Cost Estimate	\$690,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: PRR-1

Description: Pipe Renewal and Replacement Program

Item	Item Description	Estimated Project Cost
1	Replace 2.4 miles of pipe	\$2,206,000
2	Mobilization, Bonds, Insurance, Shop Drawings	\$177,000
3	30% Contingency	\$715,000
	Total Construction Cost Estimate	\$3,098,000
4	Oregon Corporate Activity Tax	\$31,000
5	20% Engineering Allowance	\$620,000
6	5% Permitting, Inspections, and Administration	\$155,000
7	14% City of Gresham Administration Fee	\$434,000
	Total Project Cost Estimate	\$4,338,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Cost is per year for 100 years
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: M-1

Description: Meter Replacement Program

Item	Item Description	Estimated Project Cost
1	Replace 16,500 3/4" Iperl meters	\$2,475,000
2	16,500 MXU transmitters	\$2,640,000
3	Internal labor	\$1,072,500
	Total Project Cost Estimate	\$6,187,500

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: R-1

Description: Pleasant Valley 5 MG Reservoir

Item	Item Description	Estimated Project Cost
1	Reservoir Structure & Appurtenances	\$4,746,000
2	Reservoir Foundation and Excavation	\$278,000
3	Yard Piping	\$917,000
4	Site Work and Landscaping	\$315,000
5	Electrical and I&C	\$54,000
6	Mobilization, Bonds, Insurance, Shop Drawings	\$505,000
7	30% Contingency	\$2,045,000
	Total Construction Cost Estimate	\$8,860,000
8	Oregon Corporate Activity Tax	\$886,000
9	20% Engineering Allowance	\$1,772,000
10	5% Permitting, Inspections, and Administration	\$443,000
11	14% City of Gresham Administration Fee	\$1,241,000
	Total Project Cost Estimate	\$13,202,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- AWWA D110 Prestressed circular concrete reservoir
- Sales tax included as separate line item
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)
- Project will require local roadway resurfacing
- Proposed capacity includes dead-storage component, assuming the new reservoir will be built at the same level as the existing reservoir

Project: R-2

Description: North Wheeler 2 MG Reservoir

Item	Item Description	Estimated Project Cost
1	Reservoir Structure & Appurtenances	\$1,899,000
2	Reservoir Foundation and Excavation	\$112,000
3	Yard Piping	\$408,000
4	Site Work and Landscaping	\$157,000
5	Electrical and I&C	\$54,000
6	Mobilization, Bonds, Insurance, Shop Drawings	\$211,000
7	30% Contingency	\$853,000
	Total Construction Cost Estimate	\$3,694,000
8	Oregon Corporate Activity Tax	\$37,000
9	20% Engineering Allowance	\$739,000
10	5% Permitting, Inspections, and Administration	\$185,000
11	14% City of Gresham Administration Fee	\$518,000
	Total Project Cost Estimate	\$5,173,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- AWWA D110 Prestressed circular concrete reservoir
- Sales tax included as separate line item
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)
- Project will require local roadway resurfacing
- Proposed capacity includes dead-storage component, assuming the new reservoir will be built at the same level as the existing reservoir

Project: R-3

Description: Install a PRV station between Wheeler and Intermediate PZs, at SE Orient Dr and SE Barnes Rd

Item	Item Description	Estimated Project Cost
1	2-inch PRV	\$6,000
2	8-inch PRV	\$13,000
3	PRV Vault	\$189,000
4	Mobilization, Bonds, Insurance, Shop Drawings	\$17,000
5	30% Contingency	\$68,000
	Total Construction Cost Estimate	\$293,000
6	Oregon Corporate Activity Tax	\$3,000
7	20% Engineering Allowance	\$59,000
8	5% Permitting, Inspections, and Administration	\$15,000
9	14% City of Gresham Administration Fee	\$42,000
	Total Project Cost Estimate	\$412,000

Notes:

- Costs are in 2021 Dollars
- No property acquisition costs
- No easement or right-of-way costs
- No rock excavation
- Includes costs for fittings/valves and connections to existing services and hydrants
- Includes local street trench patch resurfacing; whole or half street overlays are not included; curb and sidewalk work are not included
- No rock excavation
- Engineering News - Record (ENR) Construction Cost Index (CCI) of 12,845.38 for Seattle, Washington (January 2021)

Project: E-1

Description: Seismic Resilience Improvements

See Seismic Resilience Plan Cost Estimates