

EXHIBIT B-1

DESCRIPTION AND COST OF UTILITY WORK (District ref# W0907)

Install or relocate approximately 2,100 linear feet (LF) of 8-inch, 12-inch, and 16-inch ductile iron water main and appurtenances. Install approximately 2,600 LF of CDF-encased 4-inch PVC conduit with junction boxes and pull boxes. Relocate and upgrade existing fire hydrants and water services. Adjust manholes and valve boxes to grade.

Spec. Section	Description	Unit	Qty	Unit Price	Total
PREPARATION					
1-09	Mobilization/Demobilization	LS	1	\$ 169,000.00	\$ 169,000.00
MANHOLES, INLETS, CATCHBASINS, AND DRYWELLS					
7-05	Adjust Manhole	EA	25	\$ 700.00	\$ 17,500.00
7-05, SP	Major Sanitary Sewer Manhole Adjust	VF	8	\$ 1,200.00	\$ 9,600.00
7-05, SP	Drop Manhole Modifications	LS	1	\$ 10,000.00	\$ 10,000.00
HOT MIX ASPHALT					
5-04, SP	HMA for Pavement Repair CL. 1/2 In. PG 64-22*	TON	870	\$ 186.00	\$ 161,820.00
5-04, SP	HMA CL. 1/2 In. PG 58-22*	TON	290	\$ 137.00	\$ 39,730.00
WATER					
2-02, SP	Removal of Concrete, Structures, and Obstructions	LS	1	\$ 75,000.00	\$ 75,000.00
2-09, SP	Controlled Density Fill*	CY	50	\$ 200.00	\$ 10,000.00
2-09	Shoring or Extra Excavation Class B	SF	22400	\$ 0.50	\$ 11,200.00
4-04	Crushed Surfacing Base Course	TON	1430	\$ 40.00	\$ 57,200.00
7-09, SP	Removal and Replacement of Unsuitable Materials	CY	50	\$ 75.00	\$ 3,750.00
7-09 SP	Bank Run Gravel for Trench Backfill*	TON	6100	\$ 17.50	\$ 106,750.00
7-09, SP	Ductile Iron Pipe (RJ) for Water Main, 8 In. Diam. Class 52	LF	320	\$ 200.00	\$ 64,000.00
7-09, SP	Ductile Iron Pipe (RJ) for Water Main, 12 In. Diam. Class 52	LF	1740	\$ 215.00	\$ 374,100.00
7-09, SP	Ductile Iron Pipe (RJ) for Water Main, 16 In. Diam. Class 51	LF	90	\$ 600.00	\$ 54,000.00
7-09, SP	Connection to Existing Water Main, 12-In. Diam.	EA	2	\$ 5,400.00	\$ 10,800.00
7-09, SP	Connection to Existing Water Main, 8-In. Diam.	EA	10	\$ 4,300.00	\$ 43,000.00
7-09, SP	Connection to Existing Water Main, 6-In. Diam.	EA	2	\$ 4,300.00	\$ 8,600.00
7-09, SP	Extra Ductile Iron Fittings	LB	2000	\$ 4.00	\$ 8,000.00
7-09, SP	Abandon Existing Water Main	LF	1980	\$ 15.00	\$ 29,700.00
7-09, SP	Remove Existing Water Main	LF	130	\$ 40.00	\$ 5,200.00
7-12, SP	Gate Valve, 8 In.	EA	9	\$ 3,100.00	\$ 27,900.00
7-12, SP	Butterfly Valve, 12 In.	EA	14	\$ 4,900.00	\$ 68,600.00
7-12, SP	Butterfly Valve, 16 In.	EA	1	\$ 7,200.00	\$ 7,200.00
7-12, SP	Remove Existing Gate Valve, 8 In.	EA	1	\$400.00	\$400.00
7-12, SP	Intermediate Valve Box Adjustment	EA	25	\$ 500.00	\$ 12,500.00
7-12, SP	Final Valve Box Adjustment	EA	46	\$ 560.00	\$ 25,760.00

7-14, SP	Relocate/Replace Existing Hydrant Assembly	EA	4	\$ 6,500.00	\$ 26,000.00
7-14, SP	Hydrant Assembly	EA	5	\$ 10,000.00	\$ 50,000.00
7-15, SP	Service Connection, 1 In.	EA	39	\$ 3,500.00	\$ 136,500.00
7-15, SP	Service Connection, 2 In.	EA	2	\$ 9,500.00	\$ 19,000.00
7-15, SP	Remove Existing Water Service	EA	4	\$ 800.00	\$ 3,200.00
EROSION CONTROL AND ROADSIDE PLANTING					
8-01	ESC lead	DAY	20	\$ 100.00	\$ 2,000.00
8-01, SP	Erosion Control & Water Pollution Prevention	LS	1	\$ 10,000.00	\$ 10,000.00
TRAFFIC					
1-10	Project Temporary Traffic Control	LS	1	\$ 18,000.00	\$ 18,000.00
1-10	Traffic Control Supervisor	LS	1	\$ 28,750.00	\$ 28,750.00
OTHER ITEMS					
1-05, SP	Roadway Surveying	LS	1	\$ 6,000.00	\$ 6,000.00
1-05, SP	AWWD Record Drawings (Minimum Bid \$2,000.00)	LS	1	\$ 2,000.00	\$ 2,000.00
1-07, SP	Potholing	EA	50	\$ 600.00	\$ 30,000.00
1-09	Force Account AWWD	EST	115000	\$ 1.00	\$ 115,000.00
	Asphalt Cost Price Adjustment	CALC	1	\$ 1,620.55	\$ 1,620.55
	Street Cleaning	HR	150	\$ 180.00	\$ 27,000.00
	Temp Pavement Marking Short Duration	LF	7600	\$ 1.50	\$ 11,400.00
	Flaggers	HR	480	\$ 60.00	\$ 28,800.00
	Work Zone Safety Contingency	EST	20000	\$ 1.00	\$ 20,000.00
	Portable Changeable Message Sign	HR	3600	\$ 1.00	\$ 3,600.00
	Uniform Police Officer	HR	150	\$ 135.00	\$ 20,250.00
	Plugging Existing Pipe	EA	20	\$ 500.00	\$ 10,000.00
	Field Office Building	LS	1	\$ 6,000.00	\$ 6,000.00
	Health and Safety Plan	LS	1	\$ 250.00	\$ 250.00
	Fuel Cost Adjustment	CALC	1	\$ 28,750.00	\$ 28,750.00
	Conc. Monument With Case and Cover	EA	9	\$ 2,500.00	\$ 22,500.00
7-20, SP	AWWD Single Conduit Duct Bank	LF	610	\$ 65.00	\$ 39,650.00
7-20, SP	AWWD Triple Conduit Duct Bank	LF	2000	\$ 91.00	\$ 182,000.00
7-20, SP	AWWD Conduit Pull Box	EA	3	\$ 8,000.00	\$ 24,000.00
7-20, SP	AWWD Conduit Junction Box	EA	6	\$ 8,000.00	\$ 48,000.00
1	Subtotal (without tax)				\$2,331,580.55
2	Washington State Sales Tax @ 10.5% of subtotal (Line 1)				\$244,815.96
3	Subtotal (Line 1 + Line 2)				\$2,576,396.51
4	Contingency 20% of Subtotal without Tax				\$515,279.30
5	Total Construction Cost with Contingency (Line 3 + Line 4)				\$3,091,675.81
6					
7	Construction Inspection and Contract Administration Costs 15% of Subtotal (Line 5)				\$463,751.37
8	Administrative Overhead 20% of Admin Costs (Line 7)				\$92,750.27
9	Total Cost of Utility Work (Line 5 + Line 7 + Line 8)				\$3,648,177.45