

EXHIBIT A

EXHIBIT A: INTERGOVERNMENTAL AGREEMENT BETWEEN WASHINGTON COUNTY AND THE CITY OF TUALATIN FOR PUBLIC UTILITY IMPROVEMENTS ON SW TUALATIN SHERWOOD ROAD

ITEM NO.	DESCRIPTION	UNIT PRICE	UNIT	QTY	AMOUNT
ROADWORK					
6	Removal of ARV	\$ 750	EACH	4	\$ 3,000
7	Removal of Dead-End Blowoff	\$ 750	EACH	2	\$ 1,500
8	Removal of FDC	\$ 500	EACH	1	\$ 500
9	Removal of Hydrants	\$ 700	EACH	24	\$ 16,800
10	Abandon Existing Hydrant Lateral	\$ 1,500	EACH	2	\$ 3,000
11	Removal of Irrigation	\$ 500	EACH	3	\$ 1,500
12	Removal of Meter Boxes and Abandoning Services	\$ 500	EACH	15	\$ 7,500
DRAINAGE AND SEWERS					
14	CLSM at Utility Crossings	\$ 1,200	EACH	2	\$ 2,400
15	10-Inch PVC C900 Sanitary Sewer Pipe, 10-Foot Depth	\$ 120	FOOT	763	\$ 91,560
16	Concrete Manholes, 48-Inch Diameter	\$ 9,800	EACH	4	\$ 39,200
17	Minor Adjustments of Manholes	\$ 1,200	EACH	7	\$ 8,400
18	Major Adjustments of Manholes	\$ 2,600	EACH	7	\$ 18,200
19	Minor Adjustments of Cleanouts	\$ 750	EACH	1	\$ 750
20	Extra for Manholes Over Existing Sewers	\$ 1,800	EACH	1	\$ 1,800
21	Connection to Existing Structures	\$ 900	EACH	1	\$ 900
22	Filling Abandoned Structures	\$ 2,500	EACH	2	\$ 5,000
23	Capping Existing Concrete Structures	\$ 500	EACH	7	\$ 3,500
WATER SUPPLY SYSTEMS					
24	Temporary Blowoff Assembly, 12-Inch	\$ 7,500	EACH	1	\$ 7,500
25	Temporary Blowoff Assembly, 16-inch	\$ 11,500	EACH	1	\$ 11,500
26	6-Inch Connection to 6-Inch Existing Main	\$ 1,000	EACH	23	\$ 23,000
27	8-Inch Connection to 8-Inch Existing Main	\$ 2,400	EACH	6	\$ 14,400
28	10-Inch Connection to 10-Inch Existing Main	\$ 2,500	EACH	2	\$ 5,000
29	12-Inch Connection to 12-Inch Existing Main	\$ 2,600	EACH	3	\$ 7,800
30	16-Inch Connection to 16-Inch Existing Main	\$ 3,000	EACH	3	\$ 9,000
31	6-Inch Ductile Iron Pipe with Restrained Joints and Class "B" Backfill	\$ 135	FOOT	447	\$ 60,345
32	8-Inch Ductile Iron Pipe with Restrained Joints and Class "B" Backfill	\$ 150	FOOT	92	\$ 13,800
33	10-Inch Ductile Iron Pipe with Restrained Joints and Class "B" Backfill	\$ 160	FOOT	27	\$ 4,320
34	12-Inch Ductile Iron Pipe with Restrained Joints and Class "B" Backfill	\$ 160	FOOT	35	\$ 5,600
35	16-inch Ductile Iron Pipe with Restrained Joints and Class "B" Backfill	\$ 200	FOOT	33	\$ 6,600
36	Ductile Iron Pipe Mechanical Joint Bend, 12-Inch 45-Degrees	\$ 750	EACH	4	\$ 3,000
37	Ductile Iron Pipe Mechanical Joint Bend, 16-Inch 45-Degrees	\$ 1,250	EACH	4	\$ 5,000
38	Straddle Block	\$ 1,830	EACH	4	\$ 7,320
39	Relocate Cathodic Protection Test Station (±19-Feet)	\$ 3,000	EACH	3	\$ 9,000
40	Connect New FDC to Existing Fire Service	\$ 750	EACH	1	\$ 750
41	FDC Assembly	\$ 2,500	EACH	1	\$ 2,500
42	12-Inch Insertion Valve	\$ 18,000	EACH	1	\$ 18,000
43	1-Inch Combination Air Release/Air Vacuum Valve Assembly (±37-Feet)	\$ 3,500	EACH	1	\$ 3,500
44	2-Inch Combination Air Release/Air Vacuum Valve Assembly (±38-Feet)	\$ 4,000	EACH	3	\$ 12,000
45	12-Inch Tapping Sleeve and 6-Inch Valve Assembly	\$ 10,000	EACH	2	\$ 20,000
46	Minor Adjustments of Water Valve Boxes	\$ 300	EACH	43	\$ 12,900
47	Major Adjustments of Water Valve Boxes	\$ 750	EACH	23	\$ 17,250
48	Hydrant Assemblies	\$ 5,000	EACH	24	\$ 120,000
49	1-Inch Water Service Connection Piping	\$ 35	FOOT	256	\$ 8,960
50	1.5-Inch Water Service Connection Piping	\$ 50	FOOT	175	\$ 8,750
51	2-Inch Water Service Connection Piping	\$ 40	FOOT	66	\$ 2,640
52	0.75-Inch Water Meter Assembly	\$ 1,350	EACH	3	\$ 4,050
53	1-Inch Water Meter Assembly	\$ 1,700	EACH	4	\$ 6,800
54	1.5-Inch Water Meter Assembly	\$ 1,800	EACH	3	\$ 5,400
55	2-Inch Water Meter Assembly	\$ 1,900	EACH	2	\$ 3,800
56	Connect Existing Service to New 0.75-Inch Meter (Private Side)	\$ 700	EACH	3	\$ 2,100
57	Connect Existing Service to New 1-Inch Meter (Private Side)	\$ 800	EACH	4	\$ 3,200
58	Connect Existing Service to New 1.5-Inch Meter (Private Side)	\$ 900	EACH	3	\$ 2,700
59	Connect Existing Service to New 2-Inch Meter (Private Side)	\$ 1,000	EACH	2	\$ 2,000
60	Disconnect Existing Service from Fire Service	\$ 500	EACH	2	\$ 1,000
61	Connect New 1-Inch Service to Existing Meter (Public Side)	\$ 500	EACH	1	\$ 500
62	Connect New 1.5-Inch Service to Existing Meter (Public Side)	\$ 500	EACH	1	\$ 500
WATERLINE AND SANITARY SEWER SUBTOTAL					\$ 657,995
CONSTRUCTION CONTINGENCY (10%)					\$ 65,800
TOTAL WATERLINE AND SANITARY SEWER CONSTRUCTION ESTIMATE					\$ 723,795
WASHINGTON COUNTY CONSTRUCTION ADMINISTRATION AND MANAGEMENT FEE (10%)					\$ 72,379
CONTRIBUTION TOWARDS MOBILIZATION, TRAFFIC CONTROL, AND EROSION CONTROL (12%)					\$ 86,855
TOTAL ESTIMATED COST					\$ 883,029