

DIFF-EST

Discovery Park Plat 3A 12" Loop Closure
 Estimate for Differential Payment
 Wednesday, September 27, 2017

This estimate is for the maximum differential payment to be allowed by
 the city for the 12" portion of water main to be constructed, serving
 Discovery Park Plat 3A 12" Loop Closure
 Columbia Water and Light account # 145-1402

Quantity	Unit	Materials	8"		12"	
			Unit Price	Total	Unit Price	Total
3279	L.F.	PVC Pipe	\$ 14.65	\$ 48,037.35	\$ 25.85	\$ 84,762.15
10	Ea	Gate Valve With Box & Joint	\$2,563.78	\$ 25,637.80	\$5,878.93	\$ 58,789.30
1	Ea	12" x 8" Reducer	\$ 792.54	\$ 792.54		\$ -
2	Ea	45 deg Bends	\$ 464.49	\$ 928.98	\$1,028.28	\$ 2,056.56
3	Ea	22.5 deg Bends	\$ 464.49	\$ 1,393.47	\$1,028.28	\$ 3,084.84
8	Ea	11.25 deg Bends	\$ 464.49	\$ 3,715.92	\$1,028.28	\$ 8,226.24
5	Ea	Tee	\$1,178.51	\$ 5,892.55	\$2,179.04	\$ 10,895.20
36	Ea	Mechanical Joint Restraint	\$ 135.42	\$ 4,875.12	\$ 217.99	\$ 7,847.64
22	Ea	6" Mechanical Joint Restraint	\$ 104.50	\$ 2,299.00	\$ 104.50	\$ 2,299.00
11	Ea	Main size x 6" FH Tee	\$1,178.51	\$ 12,963.61	\$2,179.04	\$ 23,969.44
66	L.F.	PVC 6" Pipe	\$ 10.74	\$ 708.84	\$ 10.74	\$ 708.84
11	Ea	Fire Hydrant & Joint	\$2,249.81	\$ 24,747.91	\$2,249.81	\$ 24,747.91
11	Ea	6" Gate Valve w/ Box & Joint	\$1,609.78	\$ 17,707.58	\$1,609.78	\$ 17,707.58
3	YD	Concrete	\$ 114.38	\$ 343.14	\$ 114.38	\$ 343.14
104	L.F.	Stainless All-thread	\$ 5.12	\$ 532.48	\$ 5.12	\$ 532.48
118	C.Y.	1" clean Crushed Stone	\$ 40.42	\$ 4,769.56	\$ 40.42	\$ 4,769.56
1807	B.C.Y.	Excavation	\$ 4.87	\$ 8,800.09	\$ 4.87	\$ 8,800.09
1704	L.C.Y.	Backfill	\$ 2.56	\$ 4,366.50	\$ 2.56	\$ 4,366.50
Total Materials, Labor, and Equipment				\$ 168,512.44		\$263,906.47

Differential cost

12" \$ 263,906.47

Less 8" \$ 168,512.44

\$ 95,394.03

Cost per L.F.

\$ 29.09

3279 L.F. of water line differential at \$ 29.09 per L.F. = \$ 95,394.03

Notes:

Unit price values were found through the use of RSMMeans Costworks whenever possible.