

OLSON ENGINEERING INC.

222 E. EVERGREEN BLVD., VANCOUVER, WA 98660 (360) 695-1385

Grass Valley Development - Preliminary Cost Estimate

Item #	Description	Unit Of Measure	Quantity	Unit Price	Total Price
EROSION CONTROL					
1	Construction Entrance	EA	2	\$ 3,000.00	\$ 6,000.00
2	Silt Fence	LF	5,500	\$ 2.00	\$ 11,000.00
3	Inlet Protection	EA	50	\$ 100.00	\$ 5,000.00
4	Sedimentation Ponds	EA	10	\$ 2,000.00	\$ 20,000.00
5	Maintenance with street sweeping	LS	1.00	\$ 40,000.00	\$ 40,000.00
				Total	\$ 82,000.00
SITEWORK					
Grading					
6	Clearing and Grubbing	LS	1	\$ 20,000.00	\$ 20,000.00
7	Stripping 8", & Stockpile	CY	35,000	\$ 3.00	\$ 105,000.00
8	Mass Grading	CY	100,000	\$ 4.00	\$ 400,000.00
9	Finish Grade	SF	1,300,000	\$ 0.10	\$ 130,000.00
10	Asphalt Concrete Class ½" 64-22 HMA	TN	6,700	\$ 80.00	\$ 536,000.00
11	Crushed Rock	TN	18,000	\$ 16.00	\$ 288,000.00
12	Extruded Curb	LF	6,000	\$ 8.00	\$ 48,000.00
13	Vertical Curb	LF	10,000	\$ 11.00	\$ 110,000.00
14	Sidewalk	SF	55,000	\$ 4.00	\$ 220,000.00
15	Set of Concrete Stairs	LS	3	\$ 5,000.00	\$ 15,000.00
16	Asphalt Trail	SF	16,000	\$ 1.50	\$ 24,000.00
17	Pedestrian Ramp	EA	90	\$ 800.00	\$ 72,000.00
18	Driveway Approach	LS	2	\$ 5,000.00	\$ 10,000.00
19	Gravity Block Retaining Wall	SF	3,000	\$ 25.00	\$ 75,000.00
20	Concrete Retaining Wall	SF	2,000	\$ 40.00	\$ 80,000.00
21	Fence	LF	1,000	\$ 20.00	\$ 20,000.00
22	Modify Traffic Signal at Fisher Creek Drive	LS	1	\$ 80,000.00	\$ 80,000.00
23	Traffic Control	LS	1	\$ 30,000.00	\$ 30,000.00
				Total	\$ 2,263,000.00
STORM					
24	24" CPP w/ Granular Backfill	LF	1,800	\$ 80.00	\$ 144,000.00
25	18" CPP w/ Granular Backfill	LF	1,500	\$ 70.00	\$ 105,000.00
26	12" CPP w/ Granular Backfill	LF	4,400	\$ 40.00	\$ 176,000.00
27	8" CPP w/ Granular Backfill	LF	3,600	\$ 30.00	\$ 108,000.00
28	Bioretention	SF	14,000	\$ 25.00	\$ 350,000.00
29	Cleanout (8")	EA	50	\$ 400.00	\$ 20,000.00
30	Catch Basin	EA	20	\$ 1,500.00	\$ 30,000.00
				Total	\$ 933,000.00
STORMWATER FACILITY					
31	Detention Pond North	LS	1	\$ 30,000.00	\$ 30,000.00
32	Detention Pond South	LS	1	\$ 50,000.00	\$ 50,000.00
				Total	\$ 80,000.00

SANITARY SEWER

33	8" PVC 3034 w/ Granular Backfill	LF	3,400	\$	40.00	\$	136,000.00
34	6" PVC 3034 w/ Granular Backfill	LF	1,500	\$	30.00	\$	45,000.00
35	Manhole, 48"	EA	16	\$	2,500.00	\$	40,000.00
36	Cleanout (8")	EA	20	\$	400.00	\$	8,000.00
37	20,000 Gal Septic Tank	EA	4	\$	50,000.00	\$	200,000.00
38	40,000 Gal Septic Tank	EA	8	\$	100,000.00	\$	800,000.00
Total							\$ 1,229,000.00

WATER

39	8" D.I.P. w/ Granular Backfill	LF	5,300	\$	40.00	\$	212,000.00
40	6" D.I.P. w/ Granular Backfill	LF	800	\$	35.00	\$	28,000.00
41	4" Waterline	LF	600	\$	25.00	\$	15,000.00
42	2" Waterline	LF	1,000	\$	15.00	\$	15,000.00
43	6" Fire Hydrant Assembly	EA	15	\$	3,600.00	\$	54,000.00
44	6" DCVA with Vault	EA	4	\$	6,000.00	\$	24,000.00
45	4" DCVA with Vault	EA	13	\$	4,000.00	\$	52,000.00
46	2" Water Service Assembly	EA	15	\$	3,000.00	\$	45,000.00
47	1.5" Water Service Assembly	EA	2	\$	2,000.00	\$	4,000.00
48	Tie into Existing Waterline in 38th Avenue	EA	2	\$	5,000.00	\$	10,000.00
Total							\$ 459,000.00

STRIPING & SIGNAGE

49	Signage and Striping	LS	1	\$	50,000.00	\$	50,000.00
50	Bollards	LS	1	\$	4,000.00	\$	4,000.00
Total							\$ 54,000.00

LANDSCAPING

51	Landscaping	SF	300,000	\$	3.00	\$	900,000.00
Total							\$ 900,000.00

Construction Costs**\$ 6,000,000.00**

3/2/18