

The Green Pearl
6th Street Low Impact Development Project
Team 02-01

Comparison of LID to Conventional Design

ELEMENT	LID	CONVENTIONAL
Storm Drainage	4,195,000	4,202,500
Hardscape	546,500	1,180,500
Softscape	282,500	207,600
Architectural	80,000	-
Site Furnishings	75,000	132,000
TOTAL	\$5,179,000	\$5,722,600

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GREEN PEARL LID

ITEM	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL COST
1	RIGHT-OF-WAY CLEARING AND GRUBBING	LS	1	\$ 35,000.00	\$ 35,000.00
2	UNCLASSIFIED EXCAVATION	CY	17179	\$ 11.50	\$ 197,558.50
3	TEMPORARY SILT FENCE	LF	3500	\$ 2.00	\$ 7,000.00
4	STREETSCAPE PLANTINGS	SY	3860	\$ 6.25	\$ 24,125.00
5	AGGREGATE BASE	CY	1696	\$ 45.00	\$ 76,320.00
6	6" COMPACTED SUBGRADE	SY	3422	\$ 5.50	\$ 18,821.00
7	SEPARATOR FABRIC	SY	4107	\$ 2.25	\$ 9,240.75
8	PORTLAND CEMENT CONCRETE PAVEMENT 6"	SY	3422	\$ 65.00	\$ 222,430.00
9	CONCRETE SIDEWALK	SY	1556	\$ 50.00	\$ 77,800.00
10	6" STEEL BOLLARD IN PLACE	EA	190	\$ 165.00	\$ 31,350.00
11	PERMEABLE BRICK PAVERS	SF	2732	\$ 8.00	\$ 21,856.00
12	FLOW THROUGH PLANTER	SF	2127	\$ 12.00	\$ 25,524.00
13	FLOW THROUGH PLANTER SEATWALL	LF	540	\$ 75.00	\$ 40,500.00
14	BIORETENTION MEDIANS	LF	4114	\$ 13.50	\$ 55,539.00
15	FILTER FABRIC	SY	6572	\$ 2.25	\$ 14,787.00
16	30" C76 CL III RCP W/ OMNIFLEX GASKETS	LF	60	\$ 90.00	\$ 5,400.00
17	3'X3' REINFORCED CONCRETE BOX	LF	70	\$ 250.00	\$ 17,500.00
18	4'X3' REINFORCED CONCRETE BOX	LF	60	\$ 285.00	\$ 17,100.00
19	5'X3' REINFORCED CONCRETE BOX	LF	80	\$ 360.00	\$ 28,800.00
20	6'X3' REINFORCED CONCRETE BOX	LF	56	\$ 465.00	\$ 26,040.00
21	CULVERT END TREATMENT	EA	10	\$ 6,000.00	\$ 60,000.00
22	2-10'X10' REINFORCED CONCRETE BOX	LF	1400	\$ 2,575.00	\$ 3,605,000.00
23	WETWELL AND PUMPING SYSTEM IN PLACE	EA	1	\$ 75,000.00	\$ 75,000.00
24	2" CALIPER TREE	EA	135	\$ 325.00	\$ 43,875.00
25	NATIVE ROCK FOR CHANNEL	CY	196	\$ 185.00	\$ 36,260.00
26	TRENCH EXCAVATION	CY	432	\$ 21.00	\$ 9,072.00
27	STANDARD BEDDING MATERIAL	CY	216	\$ 11.50	\$ 2,484.00
28	ORNAMENTAL FENCING	LF	1350	\$ 25.00	\$ 33,750.00
29	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1	\$ 75,000.00	\$ 75,000.00
30	PAVEMENT REMOVAL	SY	5989	\$ 7.50	\$ 44,917.50
31	SIDEWALK REMOVAL	SY	2567	\$ 6.25	\$ 16,043.75
32	FIELD OFFICE	EA	1	\$ 15,000.00	\$ 15,000.00
33	MOBILIZATION	LS	1	\$ 125,000.00	\$ 125,000.00
34	STAKING	LS	1	\$ 80,000.00	\$ 80,000.00
35	PROJECT SIGN	EA	2	\$ 2,500.00	\$ 5,000.00
	TOTAL				\$ 5,179,093.50

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ELM CREEK MASTER DRAINAGE PLAN

ITEM	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL COST
1	RIGHT-OF-WAY CLEARING AND GRUBBING	LS	1	\$ 35,000.00	\$ 35,000.00
2	UNCLASSIFIED EXCAVATION	CY	16730	\$ 11.50	\$ 192,395.00
3	TEMPORARY SILT FENCE	LF	3500	\$ 2.00	\$ 7,000.00
4	STREETSCAPE PLANTINGS	SY	1022	\$ 6.25	\$ 6,387.50
5	AGGREGATE BASE	CY	747	\$ 45.00	\$ 33,615.00
6	6" COMPACTED SUBGRADE	SY	3733	\$ 5.50	\$ 20,531.50
7	SEPARATOR FABRIC	SY	4480	\$ 2.25	\$ 10,080.00
8	PORTLAND CEMENT CONCRETE PAVEMENT 6"	SY	3733	\$ 65.00	\$ 242,645.00
9	CONCRETE SIDEWALK	SY	2800	\$ 50.00	\$ 140,000.00
10	6" STEEL BOLLARD IN PLACE	EA	383	\$ 165.00	\$ 63,195.00
11	CLASS A CONCRETE	CY	1058	\$ 440.00	\$ 465,520.00
12	REINFORCING STEEL	LB	172500	\$ 1.15	\$ 198,375.00
13	FILTER FABRIC	SY	4408	\$ 2.25	\$ 9,918.00
14	STORM SEWER JUNCTION BOX	EA	4	\$ 12,000.00	\$ 48,000.00
15	STORM INLET COMPLETE	EA	13	\$ 3,500.00	\$ 45,500.00
16	18" C76 CL III RCP W/ OMNIFLEX GASKETS	LF	238	\$ 47.50	\$ 11,305.00
17	24" C76 CL III RCP W/ OMNIFLEX GASKETS	LF	285	\$ 65.00	\$ 18,525.00
18	2-10'X10' REINFORCED CONCRETE BOX	LF	1400	\$ 2,575.00	\$ 3,605,000.00
19	WETWELL AND PUMPING SYSTEM IN PLACE	EA	1	\$ 120,000.00	\$ 120,000.00
20	2" CALIPER TREE	EA	115	\$ 325.00	\$ 37,375.00
21	ORNAMENTAL FENCING	LF	2300	\$ 25.00	\$ 57,500.00
22	TRENCH EXCAVATION	CY	339	\$ 21.00	\$ 7,119.00
23	STANDARD BEDDING MATERIAL	CY	169	\$ 11.50	\$ 1,943.50
24	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1	\$ 75,000.00	\$ 75,000.00
25	PAVEMENT REMOVAL	SY	5989	\$ 7.50	\$ 44,917.50
26	SIDEWALK REMOVAL	SY	2567	\$ 6.25	\$ 16,043.75
27	FIELD OFFICE	EA	1	\$ 15,000.00	\$ 15,000.00
28	MOBILIZATION	LS	1	\$ 125,000.00	\$ 125,000.00
29	STAKING	LS	1	\$ 65,000.00	\$ 65,000.00
30	PROJECT SIGN	EA	2	\$ 2,500.00	\$ 5,000.00
	TOTAL				\$ 5,722,890.75