

ENGINEER'S OPINION OF PROBABLE COSTS

Green Castle Improvements

Marshall Co., Iowa



ITEM NO.	ITEM CODE	DESCRIPTION	QUANTITY	UNIT COST	EXTENSION	
Section 2010 - Earthwork, Subgrade, and Subbase						
1	2010-C	Clearing and Grubbing	1	LS \$3,500.00	\$3,500	
2	2010-D-1	Topsoil, On-site	3300	CY \$15.50	\$51,150	
3	2010-E	Excavation, Class 10	4,155	CY \$12.50	\$51,938	
4	2010-G	Subgrade Preparation, 6"	1,475	SY \$2.25	\$3,319	
5	2010-G	Subgrade Preparation, 12"	5,715	SY \$3.00	\$17,145	
6	2010-I	Subgrade Treatment, Geogrid	5,305	SY \$4.25	\$22,546	
7	2010-I	Subgrade Treatment, Geotextile	1,115	SY \$4.25	\$4,739	
8	2010-J-2	Subbase, Granular, 6" Depth	980	SY \$10.50	\$10,290	
					TOTAL	\$164,626
Section 4010 - Sanitary Sewers						
9	4010-A-1	Sanitary Sewer Gravity Main, Trenched, PVC, 6"	93	LF \$85.00	\$7,905	
10	4040-999-A	Plastic Splitter Box	3	EA \$1,050.00	\$3,150	
					TOTAL	\$11,055
Section 4030 - Pipe Culverts						
11	4030-A-1	Pipe Culvert, Trenched, CMP, 18"	145	LF \$80.00	\$11,600	
12	4030-B	Pipe Apron, CMP, 18"	2	EA \$735.00	\$1,470	
					TOTAL	\$13,070
Section 5010 - Pipe and Fittings						
13	5010-A-1	Water Main, Trenched, PVC, 8"	695	LF \$47.00	\$32,665	
14	5010-B-2	Water Main with Casing Pipe, Trenchless, PVC, 4"	115	LF \$475.00	\$54,625	
15	5010-E-1-a	Water Service Pipe, Trenched, PVC, 1"	1190	LF \$42.00	\$49,980	
16	5010-E-1-a	Water Service Pipe, Trenched, PVC, 2"	825	LF \$47.00	\$38,775	
17	5010-E-2	Water Service Corporation	1	EA \$2,625.00	\$2,625	
18	5010-E-3	Water Service Curb Stop and Box	1	EA \$525.00	\$525	
					TOTAL	\$179,195
Section 5020 - Valves, Fire Hydrants, and Appurtenances						
19	5020-A	Valve, 2"	2	EA \$2,100.00	\$4,200	
20	5020-999-A	Yard Hydrant Assembly, Freezeless	16	EA \$775.00	\$12,400	
					TOTAL	\$16,600
Section 7010 - Portland Cement Concrete Pavement						
21	7010-A	Pavement, PCC, Class C, 6"	425	SY \$74.00	\$31,450	
					TOTAL	\$31,450
Section 7030 - Sidewalks, Shared Use Paths, and Driveways						
22	7030-E	Sidewalk, PCC, 4"	255	SY \$74.00	\$18,870	
23	7030-H-a	Campground Drive, Gravel 8" Depth	2170	SY \$12.50	\$27,125	
24	7030-H-b	Campsite Parking Pad, Gravel, 6" Depth	2235	SY \$10.50	\$23,468	
25	7030-H-c	Campsite Living Area, Gravel, 3" Depth	875	SY \$8.25	\$7,219	
					TOTAL	\$76,681
Section 9010 - Seeding						
26	9010-A	Conventional Seeding, Seeding, Fertilizing, and Mulching	3.10	AC \$3,100.00	\$9,610	
					TOTAL	\$9,610
Section 9040 - Erosion and Sediment Control						
27	9040-D-1	Filter Sock, 8"	615	LF \$3.75	\$2,306	
28	9040-D-2	Filter Sock, Removal	615	LF \$0.10	\$62	
29	9040-J-0	Rip Rap, Class D	32.5	TON \$78.00	\$2,535	
30	9040-N-1	Silt Fence	1600	LF \$3.25	\$5,200	
31	9040-N-2	Silt Fence, Removal of Sediment	1600	LF \$0.10	\$160	
32	9040-N-3	Silt Fence, Removal of Device	1600	LF \$0.10	\$160	
33	9040-O-2	Stabilized Construction Entrance	53	TON \$40.00	\$2,120	
					TOTAL	\$12,543
Section 11,020 - Mobilization						
34	11,020	Mobilization	1	LS \$50,000.00	\$50,000	
					TOTAL	\$50,000
Other Items						
35	0000-999-A	Building Foundation	1	LS \$35,000.00	\$35,000	
36	0000-999-B	Installation of Prefab Building	1	EA \$290,000.00	\$290,000	
37	0000-999-C	Utility Connection to Precast Building, Plumbing	1	LS \$4,200.00	\$4,200	
38	0000-999-D	Utility Connection to Precast Building, Electrical	1	LS \$11,250.00	\$11,250	
39	0000-999-E	Trench Conduit and Wire from Electrical Service to Precast Building	150	LF \$105.00	\$15,750	
40	0000-999-F	Electrical Disconnect	2	EA \$850.00	\$1,700	
41	0000-999-G	400 A Panel	1	EA \$5,250.00	\$5,250	
42	0000-999-H	2 Pole Breaker and Grounding Rods	1	LS \$1,900.00	\$1,900	
43	0000-999-I	3-Conductor 1/0 AWG Wire with Ground	1,325	LF \$18.00	\$23,850	
44	0000-999-J	3-Conductor 600 MCM Wire	165	LF \$115.00	\$18,975	
45	0000-999-K	Power Mount Outlet, Super 8, 50/30/20 AMP, Pedestal, or Equivalent	16	EA \$3,675.00	\$58,800	
46	0000-999-L	Bollards	2	EA \$1,050.00	\$2,100	
47	0000-999-M	5,000 Gallon Holding Tank	1	EA \$36,500.00	\$36,500	
48	0000-999-N	Hydro Action, AP-1500, Mechanical in Place Unit, or Equivalent	1	EA \$21,000.00	\$21,000	
49	0000-999-O	2,000 Gallon Septic Tank	2	EA \$7,900.00	\$15,000	
50	0000-999-P	Oil Water Separator, with Fittings	1	EA \$3,150.00	\$3,150	
					TOTAL	\$544,425
					5% CONTINGENCY	\$50,745
					TOTAL ESTIMATED CONSTRUCTION COST	\$1,160,000