

## FY 2013 Charles County Cost Estimate

**Project:** Waldorf Urban Design Study Site #1  
**PGM #** Waldorf Center -Phase One Development Site

**By:** IUZ  
**Date:** 1/16/2013

### Construction Mobilization

Item	Description	Cost
<b>Construction Mobilization</b>		
1	a. 10% of total construction cost	\$0.00
	b. \$500 minimum	\$0.00
	c. \$2,500 maximum	\$2,500.00
<b>Construction Survey including field engineering</b>		
2	a. 5% of total construction cost	\$0.00
	b. \$1,000 minimum	\$0.00
	c. \$50,000 maximum	\$50,000.00
<b>Construction Mobilization Sub Total =</b>		<b>\$52,500.00</b>

### Roadways

Item	Description	Unit	Price	Quantity	Cost
<b>Roadways</b>					
3	Hot Mix Asphalt Surface Superpave	sy per in.	\$4.38	82054	\$359,396.52
4	Hot Mix Asphalt Base Course	sy per in.	\$3.81	119955	\$457,028.55
5	Bankrun Gravel	sy per in.	\$1.21	262577	\$317,718.17
6	Concrete curb and gutter-C.C.	l.f.	\$16.30	12100	\$197,230.00
7	Concrete curb and gutter-MSHA	l.f.	\$17.90		\$0.00
8	Asphalt Curb	l.f.	\$9.00		\$0.00
9	Single con. Driveway at 7" thick w/o pipe	ea.	\$570.00		\$0.00
10	Double con. Driveway at 7" thick w/o pipe	ea.	\$1,060.00		\$0.00
11	Rural driveway (asphalt) w/o driveway pipe	ea.	\$414.00		\$0.00
12	Cut	c.y.	\$3.29	13220	\$43,493.80
13	Fill	c.y.	\$3.29		\$0.00
14	Borrow/spoil	c.y.	\$8.20	5470	\$44,854.00
15	Street Signs	ea.	\$246.00		\$0.00
16	Street Trees	ea.	\$329.00	242	\$79,618.00
17	4" concrete sidewalk	s.f.	\$3.56	96800	\$344,608.00
18	Solid sod/2" topsoil	s.y.	\$6.50		\$0.00
19	4" topsoil/seed & mulch	s.y.	\$6.50	2833	\$18,414.50
20	2" topsoil/seed & mulch	s.y.	\$4.38		\$0.00
21	Miramat, curlex or equivalent	s.y.	\$4.12		\$0.00
22	Fencing/screening	l.f.	\$21.30		\$0.00
23	Barricade - Guard Rail	l.f.	\$32.70		\$0.00
24	Timber barricade	l.f.	\$16.30		\$0.00
25	Clear & grub	ac.	\$8,180.00	10.7	\$87,526.00
26	Miscellaneous Concrete	c.y.	\$727.00		\$0.00
26 A	Traffic Signal	ea.	\$195,800.00		\$0.00
26 B	Asphalt Mill	s.y.	\$1.57		\$0.00
26 C	Pavement Marking	lf	\$0.44	36300	\$15,972.00
<b>Roadways Sub Total =</b>					<b>\$1,965,860</b>
<b>Roadways Review Fee =</b>					<b>\$3,274.74</b>

*Roadways Review fee (up to \$100,000 = 0.94%; up to \$500,000 = \$965 + .104% over \$100,000;  
up to \$1,000,000 = \$1,393 + .073% over \$500,000; up to \$5,000,000 = \$1,768 + .0156% over \$1,000,000;  
over \$5,000,000 = \$2,411 + .0104% over \$5,000,000)*

Storm Drainage

Item	Description	Unit	Price	Quantity	Cost
<b>Storm Drain Pipes</b>					
27	15" CMP	l.f.	\$32.60		\$0.00
28	18" CMP	l.f.	\$35.90		\$0.00
29	21" CMP	l.f.	\$40.80		\$0.00
30	24" CMP	l.f.	\$45.50		\$0.00
31	27" CMP	l.f.	\$52.10		\$0.00
32	30" CMP	l.f.	\$62.00		\$0.00
33	33" CMP	l.f.	\$87.90		\$0.00
34	36" CMP	l.f.	\$116.00		\$0.00
35	42" CMP	l.f.	\$135.00		\$0.00
36	48" CMP	l.f.	\$157.00		\$0.00
37	54" CMP	l.f.	\$187.00		\$0.00
38	60" CMP	l.f.	\$216.00		\$0.00
39	72" CMP	l.f.	\$251.00		\$0.00
40	17" X 13" CMP	l.f.	\$34.20		\$0.00
41	18" X11" CMP	l.f.	\$35.90		\$0.00
42	21"X15" CMP	l.f.	\$40.80		\$0.00
43	24"X18" CMP	l.f.	\$44.10		\$0.00
44	28"X20" CMP	l.f.	\$48.90		\$0.00
45	35"X24" CMP	l.f.	\$58.70		\$0.00
46	42"X29" CMP	l.f.	\$81.60		\$0.00
47	49"X33" CMP	l.f.	\$106.00		\$0.00
48	57"X38" CMP	l.f.	\$131.00		\$0.00
49	15" RCP-CLASS III	l.f.	\$44.00		\$0.00
50	18" RCP-CLASS III	l.f.	\$47.40	1700	\$80,580.00
51	21" RCP-CLASS III	l.f.	\$53.90		\$0.00
52	24" RCP-CLASS III	l.f.	\$58.70	4000	\$234,800.00
53	27" RCP-CLASS III	l.f.	\$71.70		\$0.00
54	30" RCP-CLASS III	l.f.	\$81.40		\$0.00
55	33" RCP-CLASS III	l.f.	\$92.80		\$0.00
56	36" RCP-CLASS III	l.f.	\$118.00	1200	\$141,600.00
57	42" RCP-CLASS III	l.f.	\$137.00		\$0.00
58	48" RCP-CLASS III	l.f.	\$157.00		\$0.00
59	54" RCP-CLASS III	l.f.	\$195.00		\$0.00
60	60" RCP-CLASS III	l.f.	\$222.00		\$0.00
61	72" RCP-CLASS III	l.f.	\$266.00		\$0.00
62	15" RCP-CLASS IV	l.f.	\$47.40		\$0.00
63	18" RCP-CLASS IV	l.f.	\$53.90		\$0.00
64	21" RCP-CLASS IV	l.f.	\$58.70		\$0.00
65	24" RCP-CLASS IV	l.f.	\$71.70		\$0.00
66	27" RCP-CLASS IV	l.f.	\$74.50		\$0.00
67	30" RCP-CLASS IV	l.f.	\$92.80		\$0.00
68	33" RCP-CLASS IV	l.f.	\$97.40		\$0.00
69	36" RCP-CLASS IV	l.f.	\$120.00		\$0.00
70	42" RCP-CLASS IV	l.f.	\$139.00		\$0.00
71	48" RCP-CLASS IV	l.f.	\$159.00		\$0.00
72	54" RCP-CLASS IV	l.f.	\$206.00		\$0.00
73	60" RCP-CLASS IV	l.f.	\$229.00		\$0.00
74	72" RCP-CLASS IV	l.f.	\$275.00		\$0.00
75	15" RCP-CLASS V	l.f.	\$47.40		\$0.00
76	18" RCP-CLASS V	l.f.	\$53.90		\$0.00
77	21" RCP-CLASS V	l.f.	\$58.70		\$0.00
78	24" RCP-CLASS V	l.f.	\$71.70		\$0.00
79	27" RCP-CLASS V	l.f.	\$78.30		\$0.00
80	30" RCP-CLASS V	l.f.	\$92.80		\$0.00
81	33" RCP-CLASS V	l.f.	\$99.40		\$0.00
82	36" RCP-CLASS V	l.f.	\$126.00		\$0.00
83	42" RCP-CLASS V	l.f.	\$142.00		\$0.00
84	48" RCP-CLASS V	l.f.	\$170.00		\$0.00
85	54" RCP-CLASS V	l.f.	\$214.00		\$0.00
86	60" RCP-CLASS V	l.f.	\$241.00		\$0.00

NOTE: The quantities and costs shown are for permitting and bonding purposes only. Contractor shall independently determine quantities and costs to his own satisfaction.

87	72" RCP-CLASS V	l.f.	\$287.00		\$0.00
88	15" PVC (ULTRA RIB)	l.f.	\$39.10		\$0.00
89	18" PVC (ULTRA RIB)	l.f.	\$42.20		\$0.00
90	21" PVC (ULTRA RIB)	l.f.	\$48.90		\$0.00
91	24" PVC (ULTRA RIB)	l.f.	\$60.30		\$0.00
92	27" PVC (ULTRA RIB)	l.f.	\$73.50		\$0.00
93	30" PVC (ULTRA RIB)	l.f.	\$89.60		\$0.00
94	12" HDPE (SMOOTH INTERIOR)	l.f.	\$35.90		\$0.00
95	15" HDPE (SMOOTH INTERIOR)	l.f.	\$39.10		\$0.00
96	18" HDPE (SMOOTH INTERIOR)	l.f.	\$42.20		\$0.00
97	24" HDPE (SMOOTH INTERIOR)	l.f.	\$52.10		\$0.00
98	30" HDPE (SMOOTH INTERIOR)	l.f.	\$73.30		\$0.00
99	36" HDPE (SMOOTH INTERIOR)	l.f.	\$98.20		\$0.00
100	4" PVC SCHEDULE 40	l.f.	\$13.10		\$0.00
101	6" PVC SCHEDULE 40	l.f.	\$14.70		\$0.00
102	8" PVC SCHEDULE 40	l.f.	\$16.30		\$0.00
103	10" PVC SCHEDULE 40	l.f.	\$19.40		\$0.00
104	12" PVC SCHEDULE 40	l.f.	\$22.80		\$0.00
<b>Storm Drain Pipe Sub Total =</b>					<b>\$456,980.00</b>

**Storm Drain Structures**

Item	Description	Unit	Price	Quantity	Cost
<b>Storm Drain Inlets</b>					
105	5'	ea.	\$3,260.00		\$0.00
	<i>additional</i>	per vert.ft.	\$233.00		\$0.00
106	10'	ea.	\$4,880.00	34	\$165,920.00
	<i>additional</i>	per vert.ft.	\$249.00	340	\$84,660.00
107	15'	ea.	\$6,510.00		\$0.00
	<i>additional</i>	per vert.ft.	\$262.00		\$0.00
108	20'	ea.	\$7,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$282.00		\$0.00
109	slotted yard	ea.	\$1,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$183.00		\$0.00
110	E	ea.	\$1,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$183.00		\$0.00
111	S	ea.	\$1,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$179.00		\$0.00
112	Double S	ea.	\$2,060.00		\$0.00
	<i>additional</i>	per vert.ft.	\$211.00		\$0.00
113	S combination	ea.	\$2,060.00		\$0.00
	<i>additional</i>	per vert.ft.	\$179.00		\$0.00
114	Double S combination	ea.	\$2,720.00		\$0.00

115	Standard NR	additional	per vert.ft.	\$211.00		\$0.00
			ea.	\$2,060.00		\$0.00
116	Single WR	additional	per vert.ft.	\$179.00		\$0.00
			ea.	\$2,060.00		\$0.00
117	Standard WR	additional	per vert.ft.	\$179.00		\$0.00
			ea.	\$2,880.00		\$0.00
118	Triple WR	additional	per vert.ft.	\$179.00		\$0.00
			ea.	\$4,400.00		\$0.00
		additional	per vert.ft.	\$211.00		\$0.00
<b>Storm Drain Manholes</b>						
119	Drop		ea.	\$4,400.00		\$0.00
		additional	per vert.ft.	\$256.00		\$0.00
120	B		ea.	\$2,190.00	13	\$28,470.00
		additional	per vert.ft.	\$194.00	130	\$25,220.00
<b>Headwalls</b>						
121	B, C, F		c.y.	\$1,020.00		\$0.00
122	E, H		c.y.	\$984.00		\$0.00
123	G		c.y.	\$655.00		\$0.00
<b>Rip-Rap</b>						
124	Class 1		c.y.	\$65.30		\$0.00
125	Class 2		c.y.	\$97.80		\$0.00
126	Class 3		c.y.	\$131.00		\$0.00
<b>Gabions</b>						
127	12'x3'x3'		ea.	\$978.00		\$0.00
128	12'x3'x1'		ea.	\$451.00		\$0.00
129	9'x3'x3'		ea.	\$671.00		\$0.00
130	6'x3'x3'		ea.	\$451.00		\$0.00
<b>End Sections</b>						
131	15" concrete		ea.	\$159.00		\$0.00
132	18" concrete		ea.	\$187.00		\$0.00
133	21" concrete		ea.	\$213.00		\$0.00
134	24" concrete		ea.	\$232.00		\$0.00
135	30" concrete		ea.	\$327.00		\$0.00
136	36" concrete		ea.	\$327.00		\$0.00
137	42" concrete		ea.	\$653.00		\$0.00
138	15" metal		ea.	\$327.00		\$0.00
139	18" metal		ea.	\$203.00		\$0.00
140	21" metal		ea.	\$391.00		\$0.00
141	24" metal		ea.	\$456.00		\$0.00
142	17"x13" metal		ea.	\$162.00		\$0.00
143	18"x11" metal		ea.	\$187.00		\$0.00
144	21"x15" metal		ea.	\$195.00		\$0.00
145	24"x18" metal		ea.	\$213.00		\$0.00
146	28"x20" metal		ea.	\$234.00		\$0.00
147	35"x24" metal		ea.	\$320.00		\$0.00
148	42"x29" metal		ea.	\$48.40		\$0.00
149	49"x33" metal		ea.	\$817.00		\$0.00
150	51"x38" metal		ea.	\$978.00		\$0.00

**Storm Drain Structure Sub Total = \$304,270.00**

**Storm Drain Sub Total = \$761,250**

**Storm Drain Review Fee = \$1,826.56**

\* Storm Drain Review fee (up to \$100,000 = 1.04%; up to \$500,000 = \$1,072 + 0.104% over \$100,000;  
up to \$1,000,000 = \$1,500 + 0.125% over \$500,000; up to \$5,000,000 = \$2,143 + 0.021% over \$1,000,000;  
over \$5,000,000 = \$3,000 + 0.01% over \$5,000,000)

**Grading**

Item	Description	Unit	Price	Quantity	Cost
<b>Grading</b>					
151	0% to 2.5% (disturbed area containing slopes of)	ac.	\$5,700.00		\$0.00
152	2.6% to 5.0% (disturbed area containing slopes of)	ac.	\$7,330.00		\$0.00
153	> 5% (disturbed area containing slopes of)	ac.	\$9,000.00		\$0.00
<b>Restoration Subtotal</b>					<b>\$0.00</b>
Unit Prices for Review Fee for Grading					
154	Cut (Outside of ROW)	c.y.	\$3.28		\$0.00
155	Fill (Outside of ROW)	c.y.	\$3.28		\$0.00
156	Borrow/spoil	c.y.	\$8.20		\$0.00
157	Clear & grub	a.c.	\$8,140.00		\$0.00
158	Straw Bales	l.f.	\$4.87		\$0.00
159	Silt Fence	l.f.	\$4.87		\$0.00
159	Super Silt Fence	l.f.	<b>\$9.00</b>		\$0.00
160	Earth berm/dike	l.f.	\$3.28		\$0.00
161	Sediment Trap	ea.	\$812.00		\$0.00
162	Stabilized construction entrance	ea.	\$1,200.00		\$0.00
163	Safety fence	l.f.	\$4.87		\$0.00
164	Miramat, curlex or equivalent	s.y.	\$5.90		\$0.00
165	Filter Cloth	s.y.	\$1.56		\$0.00
166	Inlet protection	ea.	\$249.00		\$0.00
167	Earth Ditch	l.f.	\$6.20		\$0.00
168	Seed, mulch lime & fertilizer	s.y.	\$0.76		\$0.00
<b>Grading Sub Total =</b>					<b>\$0</b>
<b>Grading Review Fee =</b>					<b>\$0.00</b>

\* Grading Review fee (up to \$100,000 = 0.78%; up to \$500,000 = \$804 + 0.073% over \$100,000; up to \$1,000,000 = \$1,105 + 0.052% over \$500,000; up to \$5,000,000 = \$1,372+ 0.021% over \$1,000,000; over \$5,000,000 = \$2,229+ 0.01% over \$5,000,000)

**Water and Sewer**

Item	Description	Unit	Price	Quantity	Cost
<b>Water</b>					
169	1" corporation stop	ea.	\$129.00		\$0.00
170	1 1/2" corporation stop	ea.	\$162.00		\$0.00
171	2" corporation stop	ea.	\$196.00		\$0.00
172	1" curb stop with box	ea.	\$196.00		\$0.00
173	1 1/2" curb stop with box	ea.	\$262.00		\$0.00
174	1 1/2" meter vault	ea.	<b>\$327.00</b>		\$0.00
175	2" curb stop with box	ea.	\$327.00		\$0.00
176	1" 'K' copper WHC	l.f.	\$16.20		\$0.00
177	1 1/2" 'K' copper WHC	l.f.	\$19.40		\$0.00
178	2" 'K' copper WHC	l.f.	\$22.80		\$0.00
179	3" main, DIP	l.f.	\$22.80		\$0.00
180	4" main, DIP	l.f.	\$26.10		\$0.00
181	6" main, DIP	l.f.	\$40.80	280	\$11,424.00
182	8" main, DIP	l.f.	\$45.50	1400	\$63,700.00
183	10" main, DIP	l.f.	\$53.80	1500	\$80,700.00
184	12" main, DIP	l.f.	\$73.50		\$0.00
185	16" main, DIP	l.f.	\$120.00		\$0.00
186	20" main, DIP	l.f.	\$172.00		\$0.00
187	3" valve and box	ea.	\$488.00		\$0.00
188	4" valve and box	ea.	\$653.00		\$0.00
189	6" valve and box	ea.	\$815.00	13	\$10,595.00
190	8" valve and box	ea.	\$1,290.00	15	\$19,350.00

191	10" valve and box	ea.	\$1,940.00	7	\$13,580.00
192	12" valve and box	ea.	\$3,260.00		\$0.00
193	16" precast valve and vault	ea.	\$9,770.00		\$0.00
194	4" tapping sleeve and vault	ea.	\$1,790.00		\$0.00
195	6" tapping sleeve and vault	ea.	\$2,610.00		\$0.00
196	8" tapping sleeve and vault	ea.	\$3,590.00	1	\$3,590.00
197	10" tapping sleeve and vault	ea.	\$4,550.00	1	\$4,550.00
198	12" tapping sleeve and vault	ea.	\$6,180.00		\$0.00
199	6" fire hydrant	ea.	\$2,450.00	13	\$31,850.00
200	Bore and jack (<-24" casing with grout fill	l.f.	\$246.00		\$0.00
201	Concrete Encasement	c.y.	\$736.00		\$0.00
202	Production well - 6"x8"	ea.	\$147,400.00		\$0.00
203	Production well straight 8"	ea.	\$194,500.00		\$0.00
204	Storage tanks	gal.	\$3.28		\$0.00
205	Well building	s.f.	\$81.40		\$0.00
206	Motor controls and chemical feeds	ea.	\$32,510.00		\$0.00
207	Telemetry	ea.	\$26,830.00		\$0.00

**Water Sub Total = \$239,339.00**

Item	Description	Unit	Price	Quantity	Cost
<b>Sanitary Sewer</b>					
208	4" cleanout assembly	v.f.	\$29.30		\$0.00
209	6" cleanout assembly	v.f.	\$32.60		\$0.00
210	4" service lateral, PVC	l.f.	\$29.30		\$0.00
211	6" service lateral, PVC	l.f.	\$32.60		\$0.00
212	8" gravity sewer, PVC	l.f.	\$39.10		\$0.00
213	10" gravity sewer, PVC	l.f.	\$45.50		\$0.00
214	12" gravity sewer, PVC	l.f.	\$56.90		\$0.00
215	6" gravity/force sewer, DIP	l.f.	\$45.50		\$0.00
216	8" gravity/force sewer, DIP	l.f.	\$53.80	1700	\$91,460.00
217	10" gravity/force sewer, DIP	l.f.	\$62.00	400	\$24,800.00
218	12" gravity/force sewer, DIP	l.f.	\$81.40	2050	\$166,870.00
219	16" gravity/force sewer, DIP	l.f.	\$130.00	3160	\$410,800.00
220	20" gravity/force sewer, DIP	l.f.	\$182.00	2735	\$497,770.00
221	24" gravity/force sewer, DIP	l.f.	\$206.00		\$0.00
222	26" gravity/force sewer, DIP	l.f.	\$230.00		\$0.00
223	28" gravity/force sewer, DIP	l.f.	\$254.00		\$0.00
224	30" gravity/force sewer, DIP	l.f.	\$278.00	5386	\$1,497,308.00
225	36" gravity/force sewer, DIP	l.f.	\$302.00	6530	\$1,972,060.00
225a	42" gravity/force sewer, DIP	l.f.	\$330.00	2400	\$792,000.00
226	MH-4' dia., precast	v.f.	\$289.00	460	\$132,940.00
227	MH-5' dia., precast	v.f.	\$371.00	300	\$111,300.00
228	Standard frame and cover	ea.	\$329.00	58	\$19,082.00
229	Water tight frame and cover	ea.	\$489.00	18	\$8,802.00
230	Inside drop connection	ea.	\$815.00		\$0.00
231	Kor-n-seal, tie-in to manhole	ea.	\$815.00	6	\$4,890.00
231	Bore & jack (<=24" casing with grout fill)	l.f.	\$246.00	200	\$49,200.00
233	Concrete Encasement	c.y.	\$736.00		\$0.00
234	Pumping Station (Grading/ Site work)	LS	\$654,354.00	1	\$654,354.00
235	Pumping Station (Architectural)	LS	\$271,269.00	1	\$271,269.00
236	Pumping Station (Structural)	LS	\$1,338,862.00	1	\$1,338,862.00
237	Pumping Station (Mechanicall)	LS	\$238,255.00	1	\$238,255.00
238	Pumping Station (Electrical)	LS	\$81,656.00	1	\$81,656.00
239	Pumping Station (Demolition)	LS	\$72,044.00	1	\$72,044.00
240	Pumping Station (Pumps)	LS	\$270,848.00	1	\$270,848.00

**Sanitary Sewer Sub Total = \$8,706,570.00**

**Total Water and Sewer = \$8,945,909**

**Water and Sewer Review Fee = \$3,651.59**

*\* Water and Sewer Review fee (up to \$100,000 = 0.99%; up to \$500,000 = \$1048+ 0.166% over \$100,000; up to \$1,000,000 = \$1,704 + 0.135% over \$500,000; up to \$5,000,000 = \$2,400+ 0.021% over \$1,000,000; over \$5,000,000 = \$3,257 + 0.01% over \$5,000,000)*

**Stormwater Management**

Item	Description	Unit	Price	Quantity	Cost
<b>Stormwater Management</b>					
1	Control Structure	ea.	\$2,200.00	12	\$26,400.00
2	Headwall (B,C,F)	c.y.	\$943.00		\$0.00
3	Cut	c.y.	\$3.10	4814	\$14,923.40
4	Fill	c.y.	\$3.10		\$0.00
5	Clay Core	c.y.	\$5.25		\$0.00
6	Miscellaneous Concrete	c.y.	\$687.00		\$0.00
7	4" underdrains	l.f.	\$12.90	5850	\$75,465.00
8	Dewatering Device	e.a.	\$525.00	12	\$6,300.00
9	48" Chain Link Fence	l.f.	\$11.55		\$0.00
10	4" topsoil/seed & mulch	s.y.	\$6.10	1300	\$7,930.00
11	Washed Stone	c.y.	\$7.88	350	\$2,758.00
12	Filter Cloth	s.y.	\$1.47	215	\$316.05
13	Observation Wells	ea.	\$210.00	12	\$2,520.00
14	Planting soils	c.y.	\$5.25	2080	\$10,920.00
15	Class I Rip Rap	c.y.	\$61.70	10	\$617.00

**Total Stormwater Management = \$148,149**  
**Stormwater Management Review Fee = \$1,299.82**

*\* SWM Review fee (up to \$30,000 = 2.06%; \$30,000 to \$100,000 = 1.28%;  
 up to \$500,000 = \$1217+ 0.172% over \$100,000; up to \$1,000,000 = \$1,685+ 0.21% over \$500,000;  
 up to \$5,000,000 = \$2,415+ 0.04% over \$1,000,000; over \$5,000,000 = \$3,369+ 0.0286% over \$5,000,000)*

SUBTOTAL CONSTRUCTION COST w/o Construction Mobilization= \$11,821,167.99  
**TOTAL CONSTRUCTION COST = \$11,873,667.99**  
**TOTAL C.C. REVIEW FEES = \$10,052.71**

**Sediment and Erosion Control**

**Disturbed Area:**

0 or 0.0 acres

**SCD Review Fees = \$28.00**

2011 Review fee is \$28 + \$79/acre  
 Acres must be rounded up to the nearest tenth of an acre

## FY 2013 Charles County Cost Estimate

**Project:** Waldorf Urban Design Study Site #2  
**PGM #** South Acton Lane Site Concept

**By:** IUZ  
**Date:** 8/16/2012

### Construction Mobilization

Item	Description	Cost
<b>Construction Mobilization</b>		
1	a. 10% of total construction cost	\$0.00
	b. \$500 minimum	\$0.00
	c. \$2,500 maximum	\$2,500.00
<b>Construction Survey including field engineering</b>		
2	a. 5% of total construction cost	\$0.00
	b. \$1,000 minimum	\$0.00
	c. \$50,000 maximum	\$50,000.00
<b>Construction Mobilization Sub Total =</b>		<b>\$52,500.00</b>

### Roadways

Item	Description	Unit	Price	Quantity	Cost
<b>Roadways</b>					
3	Hot Mix Asphalt Surface Superpave	sy per in.	\$4.38	62277	\$272,773.26
4	Hot Mix Asphalt Base Course	sy per in.	\$3.81	90977	\$346,622.37
5	Bankrun Gravel	sy per in.	\$1.21	199288	\$241,138.48
6	Concrete curb and gutter-C.C.	l.f.	\$16.30	10200	\$166,260.00
7	Concrete curb and gutter-MSHA	l.f.	\$17.90		\$0.00
8	Asphalt Curb	l.f.	\$9.00		\$0.00
9	Single con. Driveway at 7" thick w/o pipe	ea.	\$570.00		\$0.00
10	Double con. Driveway at 7" thick w/o pipe	ea.	\$1,060.00		\$0.00
11	Rural driveway (asphalt) w/o driveway pipe	ea.	\$414.00		\$0.00
12	Cut	c.y.	\$3.29	9792.9	\$32,218.64
13	Fill	c.y.	\$3.29		\$0.00
14	Borrow/spoil	c.y.	\$8.20	4151	\$34,038.20
15	Street Signs	ea.	\$246.00		\$0.00
16	Street Trees	ea.	\$329.00	204	\$67,116.00
17	4" concrete sidewalk	s.f.	\$3.56	81600	\$290,496.00
18	Solid sod/2" topsoil	s.y.	\$6.50		\$0.00
19	4" topsoil/seed & mulch	s.y.	\$6.50	2166	\$14,079.00
20	2" topsoil/seed & mulch	s.y.	\$4.38		\$0.00
21	Miramat, curlex or equivalent	s.y.	\$4.12		\$0.00
22	Fencing/screening	l.f.	\$21.30		\$0.00
23	Barricade - Guard Rail	l.f.	\$32.70		\$0.00
24	Timber barricade	l.f.	\$16.30		\$0.00
25	Clear & grub	ac.	\$8,180.00	8.43	\$68,957.40
26	Miscellaneous Concrete	c.y.	\$727.00		\$0.00
26 A	Traffic Signal	ea.	\$195,800.00		\$0.00
26 B	Asphalt Mill	s.y.	\$1.57		\$0.00
26 C	Pavement Marking	lf	\$0.44	30600	\$13,464.00
<b>Roadways Sub Total =</b>					<b>\$1,547,163</b>
<b>Roadways Review Fee =</b>					<b>\$2,621.57</b>

*Roadways Review fee (up to \$100,000 = 0.94%; up to \$500,000 = \$965 + .104% over \$100,000;  
up to \$1,000,000 = \$1,393 + .073% over \$500,000; up to \$5,000,000 = \$1,768 + .0156% over \$1,000,000;  
over \$5,000,000 = \$2,411 + .0104% over \$5,000,000)*

Storm Drainage

Item	Description	Unit	Price	Quantity	Cost
<b>Storm Drain Pipes</b>					
27	15" CMP	l.f.	\$32.60		\$0.00
28	18" CMP	l.f.	\$35.90		\$0.00
29	21" CMP	l.f.	\$40.80		\$0.00
30	24" CMP	l.f.	\$45.50		\$0.00
31	27" CMP	l.f.	\$52.10		\$0.00
32	30" CMP	l.f.	\$62.00		\$0.00
33	33" CMP	l.f.	\$87.90		\$0.00
34	36" CMP	l.f.	\$116.00		\$0.00
35	42" CMP	l.f.	\$135.00		\$0.00
36	48" CMP	l.f.	\$157.00		\$0.00
37	54" CMP	l.f.	\$187.00		\$0.00
38	60" CMP	l.f.	\$216.00		\$0.00
39	72" CMP	l.f.	\$251.00		\$0.00
40	17" X 13" CMP	l.f.	\$34.20		\$0.00
41	18" X11" CMP	l.f.	\$35.90		\$0.00
42	21"X15" CMP	l.f.	\$40.80		\$0.00
43	24"X18" CMP	l.f.	\$44.10		\$0.00
44	28"X20" CMP	l.f.	\$48.90		\$0.00
45	35"X24" CMP	l.f.	\$58.70		\$0.00
46	42"X29" CMP	l.f.	\$81.60		\$0.00
47	49"X33" CMP	l.f.	\$106.00		\$0.00
48	57"X38" CMP	l.f.	\$131.00		\$0.00
49	15" RCP-CLASS III	l.f.	\$44.00		\$0.00
50	18" RCP-CLASS III	l.f.	\$47.40	700	\$33,180.00
51	21" RCP-CLASS III	l.f.	\$53.90		\$0.00
52	24" RCP-CLASS III	l.f.	\$58.70	3400	\$199,580.00
53	27" RCP-CLASS III	l.f.	\$71.70		\$0.00
54	30" RCP-CLASS III	l.f.	\$81.40		\$0.00
55	33" RCP-CLASS III	l.f.	\$92.80		\$0.00
56	36" RCP-CLASS III	l.f.	\$118.00	800	\$94,400.00
57	42" RCP-CLASS III	l.f.	\$137.00		\$0.00
58	48" RCP-CLASS III	l.f.	\$157.00		\$0.00
59	54" RCP-CLASS III	l.f.	\$195.00		\$0.00
60	60" RCP-CLASS III	l.f.	\$222.00		\$0.00
61	72" RCP-CLASS III	l.f.	\$266.00		\$0.00
62	15" RCP-CLASS IV	l.f.	\$47.40		\$0.00
63	18" RCP-CLASS IV	l.f.	\$53.90		\$0.00
64	21" RCP-CLASS IV	l.f.	\$58.70		\$0.00
65	24" RCP-CLASS IV	l.f.	\$71.70		\$0.00
66	27" RCP-CLASS IV	l.f.	\$74.50		\$0.00
67	30" RCP-CLASS IV	l.f.	\$92.80		\$0.00
68	33" RCP-CLASS IV	l.f.	\$97.40		\$0.00
69	36" RCP-CLASS IV	l.f.	\$120.00		\$0.00
70	42" RCP-CLASS IV	l.f.	\$139.00		\$0.00
71	48" RCP-CLASS IV	l.f.	\$159.00		\$0.00
72	54" RCP-CLASS IV	l.f.	\$206.00		\$0.00
73	60" RCP-CLASS IV	l.f.	\$229.00		\$0.00
74	72" RCP-CLASS IV	l.f.	\$275.00		\$0.00
75	15" RCP-CLASS V	l.f.	\$47.40		\$0.00
76	18" RCP-CLASS V	l.f.	\$53.90		\$0.00
77	21" RCP-CLASS V	l.f.	\$58.70		\$0.00
78	24" RCP-CLASS V	l.f.	\$71.70		\$0.00
79	27" RCP-CLASS V	l.f.	\$78.30		\$0.00
80	30" RCP-CLASS V	l.f.	\$92.80		\$0.00
81	33" RCP-CLASS V	l.f.	\$99.40		\$0.00
82	36" RCP-CLASS V	l.f.	\$126.00		\$0.00
83	42" RCP-CLASS V	l.f.	\$142.00		\$0.00
84	48" RCP-CLASS V	l.f.	\$170.00		\$0.00
85	54" RCP-CLASS V	l.f.	\$214.00		\$0.00
86	60" RCP-CLASS V	l.f.	\$241.00		\$0.00

NOTE: The quantities and costs shown are for permitting and bonding purposes only. Contractor shall independently determine quantities and costs to his own satisfaction.

87	72" RCP-CLASS V	l.f.	\$287.00		\$0.00
88	15" PVC (ULTRA RIB)	l.f.	\$39.10		\$0.00
89	18" PVC (ULTRA RIB)	l.f.	\$42.20		\$0.00
90	21" PVC (ULTRA RIB)	l.f.	\$48.90		\$0.00
91	24" PVC (ULTRA RIB)	l.f.	\$60.30		\$0.00
92	27" PVC (ULTRA RIB)	l.f.	\$73.50		\$0.00
93	30" PVC (ULTRA RIB)	l.f.	\$89.60		\$0.00
94	12" HDPE (SMOOTH INTERIOR)	l.f.	\$35.90		\$0.00
95	15" HDPE (SMOOTH INTERIOR)	l.f.	\$39.10		\$0.00
96	18" HDPE (SMOOTH INTERIOR)	l.f.	\$42.20		\$0.00
97	24" HDPE (SMOOTH INTERIOR)	l.f.	\$52.10		\$0.00
98	30" HDPE (SMOOTH INTERIOR)	l.f.	\$73.30		\$0.00
99	36" HDPE (SMOOTH INTERIOR)	l.f.	\$98.20		\$0.00
100	4" PVC SCHEDULE 40	l.f.	\$13.10		\$0.00
101	6" PVC SCHEDULE 40	l.f.	\$14.70		\$0.00
102	8" PVC SCHEDULE 40	l.f.	\$16.30		\$0.00
103	10" PVC SCHEDULE 40	l.f.	\$19.40		\$0.00
104	12" PVC SCHEDULE 40	l.f.	\$22.80		\$0.00
<b>Storm Drain Pipe Sub Total =</b>					<b>\$327,160.00</b>

**Storm Drain Structures**

Item	Description	Unit	Price	Quantity	Cost
<b>Storm Drain Inlets</b>					
105	5'	ea.	\$3,260.00		\$0.00
	<i>additional</i>	per vert.ft.	\$233.00		\$0.00
106	10'	ea.	\$4,880.00	14	\$68,320.00
	<i>additional</i>	per vert.ft.	\$249.00	140	\$34,860.00
107	15'	ea.	\$6,510.00		\$0.00
	<i>additional</i>	per vert.ft.	\$262.00		\$0.00
108	20'	ea.	\$7,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$282.00		\$0.00
109	slotted yard	ea.	\$1,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$183.00		\$0.00
110	E	ea.	\$1,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$183.00		\$0.00
111	S	ea.	\$1,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$179.00		\$0.00
112	Double S	ea.	\$2,060.00		\$0.00
	<i>additional</i>	per vert.ft.	\$211.00		\$0.00
113	S combination	ea.	\$2,060.00		\$0.00
	<i>additional</i>	per vert.ft.	\$179.00		\$0.00
114	Double S combination	ea.	\$2,720.00		\$0.00

		<i>additional</i>	per vert.ft.	\$211.00		\$0.00
115	Standard NR		ea.	\$2,060.00		\$0.00
		<i>additional</i>	per vert.ft.	\$179.00		\$0.00
116	Single WR		ea.	\$2,060.00		\$0.00
		<i>additional</i>	per vert.ft.	\$179.00		\$0.00
117	Standard WR		ea.	\$2,880.00		\$0.00
		<i>additional</i>	per vert.ft.	\$179.00		\$0.00
118	Triple WR		ea.	\$4,400.00		\$0.00
		<i>additional</i>	per vert.ft.	\$211.00		\$0.00
<b>Storm Drain Manholes</b>						
119	Drop		ea.	\$4,400.00	7	\$30,800.00
		<i>additional</i>	per vert.ft.	\$256.00	70	\$17,920.00
120	B		ea.	\$2,190.00		\$0.00
		<i>additional</i>	per vert.ft.	\$194.00		\$0.00
<b>Headwalls</b>						
121	B, C, F		c.y.	\$1,020.00		\$0.00
122	E, H		c.y.	\$984.00		\$0.00
123	G		c.y.	\$655.00		\$0.00
<b>Rip-Rap</b>						
124	Class 1		c.y.	\$65.30		\$0.00
125	Class 2		c.y.	\$97.80		\$0.00
126	Class 3		c.y.	\$131.00		\$0.00
<b>Gabions</b>						
127	12'x3'x3'		ea.	\$978.00		\$0.00
128	12'x3'x1'		ea.	\$451.00		\$0.00
129	9'x3'x3'		ea.	\$671.00		\$0.00
130	6'x3'x3'		ea.	\$451.00		\$0.00
<b>End Sections</b>						
131	15" concrete		ea.	\$159.00		\$0.00
132	18" concrete		ea.	\$187.00		\$0.00
133	21" concrete		ea.	\$213.00		\$0.00
134	24" concrete		ea.	\$232.00		\$0.00
135	30" concrete		ea.	\$327.00		\$0.00
136	36" concrete		ea.	\$327.00		\$0.00
137	42" concrete		ea.	\$653.00		\$0.00
138	15" metal		ea.	\$327.00		\$0.00
139	18" metal		ea.	\$203.00		\$0.00
140	21" metal		ea.	\$391.00		\$0.00
141	24" metal		ea.	\$456.00		\$0.00
142	17"x13" metal		ea.	\$162.00		\$0.00
143	18"x11" metal		ea.	\$187.00		\$0.00
144	21"x15" metal		ea.	\$195.00		\$0.00
145	24"x18" metal		ea.	\$213.00		\$0.00
146	28"x20" metal		ea.	\$234.00		\$0.00
147	35"x24" metal		ea.	\$320.00		\$0.00
148	42"x29" metal		ea.	\$48.40		\$0.00
149	49"x33" metal		ea.	\$817.00		\$0.00
150	51"x38" metal		ea.	\$978.00		\$0.00

**Storm Drain Structure Sub Total =** \$151,900.00  
**Storm Drain Sub Total =** \$479,060  
**Storm Drain Review Fee =** **\$1,466.22**

*\* Storm Drain Review fee (up to \$100,000 = 1.04%; up to \$500,000 = \$1,072 + 0.104% over \$100,000;  
 up to \$1,000,000 = \$1,500 + 0.125% over \$500,000; up to \$5,000,000 = \$2,143 + 0.021% over \$1,000,000;  
 over \$5,000,000 = \$3,000 + 0.01% over \$5,000,000)*

**Grading**

Item	Description	Unit	Price	Quantity	Cost
<b>Grading</b>					
151	0% to 2.5% (disturbed area containing slopes of)	ac.	\$5,700.00		\$0.00
152	2.6% to 5.0% (disturbed area containing slopes of)	ac.	\$7,330.00		\$0.00
153	> 5% (disturbed area containing slopes of)	ac.	\$9,000.00		\$0.00
<b>Restoration Subtotal</b>					<b>\$0.00</b>
Unit Prices for Review Fee for Grading					
154	Cut (Outside of ROW)	c.y.	\$3.28		\$0.00
155	Fill (Outside of ROW)	c.y.	\$3.28		\$0.00
156	Borrow/spoil	c.y.	\$8.20		\$0.00
157	Clear & grub	a.c.	\$8,140.00		\$0.00
158	Straw Bales	l.f.	\$4.87		\$0.00
159	Silt Fence	l.f.	\$4.87		\$0.00
159	Super Silt Fence	l.f.	<b>\$9.00</b>		\$0.00
160	Earth berm/dike	l.f.	\$3.28		\$0.00
161	Sediment Trap	ea.	\$812.00		\$0.00
162	Stabilized construction entrance	ea.	\$1,200.00		\$0.00
163	Safety fence	l.f.	\$4.87		\$0.00
164	Miramat, curlex or equivalent	s.y.	\$5.90		\$0.00
165	Filter Cloth	s.y.	\$1.56		\$0.00
166	Inlet protection	ea.	\$249.00		\$0.00
167	Earth Ditch	l.f.	\$6.20		\$0.00
168	Seed, mulch lime & fertilizer	s.y.	\$0.76		\$0.00
<b>Grading Sub Total =</b>					<b>\$0</b>
<b>Grading Review Fee =</b>					<b>\$0.00</b>

\* Grading Review fee (up to \$100,000 = 0.78%; up to \$500,000 = \$804 + 0.073% over \$100,000; up to \$1,000,000 = \$1,105 + 0.052% over \$500,000; up to \$5,000,000 = \$1,372+ 0.021% over \$1,000,000; over \$5,000,000 = \$2,229+ 0.01% over \$5,000,000)

**Water and Sewer**

Item	Description	Unit	Price	Quantity	Cost
<b>Water</b>					
169	1" corporation stop	ea.	\$129.00		\$0.00
170	1 1/2" corporation stop	ea.	\$162.00		\$0.00
171	2" corporation stop	ea.	\$196.00		\$0.00
172	1" curb stop with box	ea.	\$196.00		\$0.00
173	1 1/2" curb stop with box	ea.	\$262.00		\$0.00
174	1 1/2" meter vault	ea.	<b>\$327.00</b>		\$0.00
175	2" curb stop with box	ea.	\$327.00		\$0.00
176	1" 'K' copper WHC	l.f.	\$16.20		\$0.00
177	1 1/2" 'K' copper WHC	l.f.	\$19.40		\$0.00
178	2" 'K' copper WHC	l.f.	\$22.80		\$0.00
179	3" main, DIP	l.f.	\$22.80		\$0.00
180	4" main, DIP	l.f.	\$26.10		\$0.00
181	6" main, DIP	l.f.	\$40.80		\$0.00
182	8" main, DIP	l.f.	\$45.50	3600	\$163,800.00
183	10" main, DIP	l.f.	\$53.80		\$0.00
184	12" main, DIP	l.f.	\$73.50		\$0.00
185	16" main, DIP	l.f.	\$120.00		\$0.00
186	20" main, DIP	l.f.	\$172.00		\$0.00
187	3" valve and box	ea.	\$488.00		\$0.00
188	4" valve and box	ea.	\$653.00		\$0.00
189	6" valve and box	ea.	\$815.00		\$0.00
190	8" valve and box	ea.	\$1,290.00	26	\$33,540.00

191	10" valve and box	ea.	\$1,940.00		\$0.00
192	12" valve and box	ea.	\$3,260.00		\$0.00
193	16" precast valve and vault	ea.	\$9,770.00		\$0.00
194	4" tapping sleeve and vault	ea.	\$1,790.00		\$0.00
195	6" tapping sleeve and vault	ea.	\$2,610.00		\$0.00
196	8" tapping sleeve and vault	ea.	\$3,590.00		\$0.00
197	10" tapping sleeve and vault	ea.	\$4,550.00		\$0.00
198	12" tapping sleeve and vault	ea.	\$6,180.00		\$0.00
199	6" fire hydrant	ea.	\$2,450.00	12	\$29,400.00
200	Bore and jack (<-24" casing with grout fill	l.f.	\$246.00		\$0.00
201	Concrete Encasement	c.y.	\$736.00		\$0.00
202	Production well - 6"x8"	ea.	\$147,400.00		\$0.00
203	Production well straight 8"	ea.	\$194,500.00		\$0.00
204	Storage tanks	gal.	\$3.28		\$0.00
205	Well building	s.f.	\$81.40		\$0.00
206	Motor controls and chemical feeds	ea.	\$32,510.00		\$0.00
207	Telemetry	ea.	\$26,830.00		\$0.00

**Water Sub Total = \$226,740.00**

Item	Description	Unit	Price	Quantity	Cost
<b>Sanitary Sewer</b>					
208	4" cleanout assembly	v.f.	\$29.30		\$0.00
209	6" cleanout assembly	v.f.	\$32.60		\$0.00
210	4" service lateral, PVC	l.f.	\$29.30		\$0.00
211	6" service lateral, PVC	l.f.	\$32.60		\$0.00
212	8" gravity sewer, PVC	l.f.	\$39.10		\$0.00
213	10" gravity sewer, PVC	l.f.	\$45.50		\$0.00
214	12" gravity sewer, PVC	l.f.	\$56.90		\$0.00
215	6" gravity/force sewer, DIP	l.f.	\$45.50		\$0.00
216	8" gravity/force sewer, DIP	l.f.	\$53.80	2400	\$129,120.00
217	10" gravity/force sewer, DIP	l.f.	\$62.00	670	\$41,540.00
218	12" gravity/force sewer, DIP	l.f.	\$81.40	2650	\$215,710.00
219	16" gravity/force sewer, DIP	l.f.	\$130.00	3160	\$410,800.00
220	20" gravity/force sewer, DIP	l.f.	\$182.00	2735	\$497,770.00
221	24" gravity/force sewer, DIP	l.f.	\$206.00		\$0.00
222	26" gravity/force sewer, DIP	l.f.	\$230.00		\$0.00
223	28" gravity/force sewer, DIP	l.f.	\$254.00		\$0.00
224	30" gravity/force sewer, DIP	l.f.	\$278.00	5386	\$1,497,308.00
225	36" gravity/force sewer, DIP	l.f.	\$302.00	6530	\$1,972,060.00
225a	42" gravity/force sewer, DIP	l.f.	\$330.00	2400	\$792,000.00
226	MH-4' dia., precast	v.f.	\$289.00	280	\$80,920.00
227	MH-5' dia., precast	v.f.	\$371.00	300	\$111,300.00
228	Standard frame and cover	ea.	\$329.00	55	\$18,095.00
229	Water tight frame and cover	ea.	\$489.00	18	\$8,802.00
230	Inside drop connection	ea.	\$815.00		\$0.00
231	Kor-n-seal, tie-in to manhole	ea.	\$815.00	6	\$4,890.00
232	Bore & jack (<=24" casing with grout fill)	l.f.	\$246.00	150	\$36,900.00
233	Concrete Encasement	c.y.	\$736.00		\$0.00
234	Pumping Station (Grading/ Site work)	LS	\$654,354.00	1	\$654,354.00
235	Pumping Station (Architectural)	LS	\$271,269.00	1	\$271,269.00
236	Pumping Station (Structural)	LS	\$1,338,862.00	1	\$1,338,862.00
237	Pumping Station (Mechanical)	LS	\$238,255.00	1	\$238,255.00
238	Pumping Station (Electrical)	LS	\$81,656.00	1	\$81,656.00
239	Pumping Station (Demolition)	LS	\$72,044.00	1	\$72,044.00
240	Pumping Station (Pumps)	LS	\$270,848.00	1	\$270,848.00

**Sanitary Sewer Sub Total = \$8,744,503.00**

**Total Water and Sewer = \$8,971,243**

**Water and Sewer Review Fee = \$3,654.12**

*\* Water and Sewer Review fee (up to \$100,000 = 0.99%; up to \$500,000 = \$1048+ 0.166% over \$100,000; up to \$1,000,000 = \$1,704 + 0.135% over \$500,000; up to \$5,000,000 = \$2,400+ 0.021% over \$1,000,000; over \$5,000,000 = \$3,257 + 0.01% over \$5,000,000)*

**Stormwater Management**

Item	Description	Unit	Price	Quantity	Cost
<b>Stormwater Management</b>					
1	Control Structure	ea.	\$2,200.00	14	\$30,800.00
2	Headwall (B,C,F)	c.y.	\$943.00		\$0.00
3	Cut	c.y.	\$3.10	2384	\$7,390.40
4	Fill	c.y.	\$3.10		\$0.00
5	Clay Core	c.y.	\$5.25		\$0.00
6	Miscellaneous Concrete	c.y.	\$687.00		\$0.00
7	4" underdrains	l.f.	\$12.90	2900	\$37,410.00
8	Dewatering Device	e.a.	\$525.00		\$0.00
9	48" Chain Link Fence	l.f.	\$11.55		\$0.00
10	4" topsoil/seed & mulch	s.y.	\$6.10	644	\$3,928.40
11	Washed Stone	c.y.	\$7.88	175	\$1,379.00
12	Filter Cloth	s.y.	\$1.47	965	\$1,418.55
13	Observation Wells	ea.	\$210.00	14	\$2,940.00
14	Planting soils	c.y.	\$5.25	1031	\$5,412.75
15	Class I Rip Rap	c.y.	\$61.70		\$0.00

**Total Stormwater Management = \$90,679**  
**Stormwater Management Review Fee = \$1,160.69**

*\* SWM Review fee (up to \$30,000 = 2.06%; \$30,000 to \$100,000 = 1.28%;  
 up to \$500,000 = \$1217+ 0.172% over \$100,000; up to \$1,000,000 = \$1,685+ 0.21% over \$500,000;  
 up to \$5,000,000 = \$2,415+ 0.04% over \$1,000,000; over \$5,000,000 = \$3,369+ 0.0286% over \$5,000,000)*

SUBTOTAL CONSTRUCTION COST w/o Construction Mobilization= \$11,088,145.45  
**TOTAL CONSTRUCTION COST = \$11,140,645.45**  
**TOTAL C.C. REVIEW FEES = \$8,902.61**

**Sediment and Erosion Control**

**Disturbed Area:**

0 or 0.0 acres

**SCD Review Fees = \$28.00**

2011 Review fee is \$28 + \$79/acre  
 Acres must be rounded up to the nearest tenth of an acre

## FY 2013 Charles County Cost Estimate

**Project:** Waldorf Urban Design Study Site #3  
**PGM #** North Acton Lane Site Concept

**By:** IUZ  
**Date:** 8/16/2012

### Construction Mobilization

Item	Description	Cost
<b>Construction Mobilization</b>		
1	a. 10% of total construction cost	\$0.00
	b. \$500 minimum	\$0.00
	c. \$2,500 maximum	\$2,500.00
<b>Construction Survey including field engineering</b>		
2	a. 5% of total construction cost	\$0.00
	b. \$1,000 minimum	\$0.00
	c. \$50,000 maximum	\$50,000.00
<b>Construction Mobilization Sub Total =</b>		<b>\$52,500.00</b>

### Roadways

Item	Description	Unit	Price	Quantity	Cost
<b>Roadways</b>					
3	Hot Mix Asphalt Surface Superpave	sy per in.	\$4.38	102302	\$448,082.76
4	Hot Mix Asphalt Base Course	sy per in.	\$3.81	145484	\$554,294.04
5	Bankrun Gravel	sy per in.	\$1.21	332965	\$402,887.65
6	Concrete curb and gutter-C.C.	l.f.	\$16.30	16500	\$268,950.00
7	Concrete curb and gutter-MSHA	l.f.	\$17.90		\$0.00
8	Asphalt Curb	l.f.	\$9.00		\$0.00
9	Single con. Driveway at 7" thick w/o pipe	ea.	\$570.00		\$0.00
10	Double con. Driveway at 7" thick w/o pipe	ea.	\$1,060.00		\$0.00
11	Rural driveway (asphalt) w/o driveway pipe	ea.	\$414.00		\$0.00
12	Cut	c.y.	\$3.29	16039	\$52,768.31
13	Fill	c.y.	\$3.29		\$0.00
14	Borrow/spoil	c.y.	\$8.20	6909	\$56,653.80
15	Street Signs	ea.	\$246.00		\$0.00
16	Street Trees	ea.	\$329.00	310	\$101,990.00
17	4" concrete sidewalk	s.f.	\$3.56	13955	\$49,679.80
18	Solid sod/2" topsoil	s.y.	\$6.50		\$0.00
19	4" topsoil/seed & mulch	s.y.	\$6.50	3000	\$19,500.00
20	2" topsoil/seed & mulch	s.y.	\$4.38		\$0.00
21	Miramat, curlex or equivalent	s.y.	\$4.12		\$0.00
22	Fencing/screening	l.f.	\$21.30		\$0.00
23	Barricade - Guard Rail	l.f.	\$32.70		\$0.00
24	Timber barricade	l.f.	\$16.30		\$0.00
25	Clear & grub	ac.	\$8,180.00	13.5	\$110,430.00
26	Miscellaneous Concrete	c.y.	\$727.00		\$0.00
26 A	Traffic Signal	ea.	\$195,800.00		\$0.00
26 B	Asphalt Mill	s.y.	\$1.57		\$0.00
26 C	Pavement Marking	lf	\$0.44	49500	\$21,780.00
<b>Roadways Sub Total =</b>					<b>\$2,087,016</b>
<b>Roadways Review Fee =</b>					<b>\$3,463.75</b>

*Roadways Review fee (up to \$100,000 = 0.94%; up to \$500,000 = \$965 + .104% over \$100,000;  
up to \$1,000,000 = \$1,393 + .073% over \$500,000; up to \$5,000,000 = \$1,768 + .0156% over \$1,000,000;  
over \$5,000,000 = \$2,411 + .0104% over \$5,000,000)*

**Storm Drainage**

Item	Description	Unit	Price	Quantity	Cost
<b>Storm Drain Pipes</b>					
27	15" CMP	l.f.	\$32.60		\$0.00
28	18" CMP	l.f.	\$35.90		\$0.00
29	21" CMP	l.f.	\$40.80		\$0.00
30	24" CMP	l.f.	\$45.50		\$0.00
31	27" CMP	l.f.	\$52.10		\$0.00
32	30" CMP	l.f.	\$62.00		\$0.00
33	33" CMP	l.f.	\$87.90		\$0.00
34	36" CMP	l.f.	\$116.00		\$0.00
35	42" CMP	l.f.	\$135.00		\$0.00
36	48" CMP	l.f.	\$157.00		\$0.00
37	54" CMP	l.f.	\$187.00		\$0.00
38	60" CMP	l.f.	\$216.00		\$0.00
39	72" CMP	l.f.	\$251.00		\$0.00
40	17" X 13" CMP	l.f.	\$34.20		\$0.00
41	18" X11" CMP	l.f.	\$35.90		\$0.00
42	21"X15" CMP	l.f.	\$40.80		\$0.00
43	24"X18" CMP	l.f.	\$44.10		\$0.00
44	28"X20" CMP	l.f.	\$48.90		\$0.00
45	35"X24" CMP	l.f.	\$58.70		\$0.00
46	42"X29" CMP	l.f.	\$81.60		\$0.00
47	49"X33" CMP	l.f.	\$106.00		\$0.00
48	57"X38" CMP	l.f.	\$131.00		\$0.00
49	15" RCP-CLASS III	l.f.	\$44.00		\$0.00
50	18" RCP-CLASS III	l.f.	\$47.40		\$0.00
51	21" RCP-CLASS III	l.f.	\$53.90		\$0.00
52	24" RCP-CLASS III	l.f.	\$58.70	2500	\$146,750.00
53	27" RCP-CLASS III	l.f.	\$71.70		\$0.00
54	30" RCP-CLASS III	l.f.	\$81.40		\$0.00
55	33" RCP-CLASS III	l.f.	\$92.80		\$0.00
56	36" RCP-CLASS III	l.f.	\$118.00	800	\$94,400.00
57	42" RCP-CLASS III	l.f.	\$137.00		\$0.00
58	48" RCP-CLASS III	l.f.	\$157.00		\$0.00
59	54" RCP-CLASS III	l.f.	\$195.00		\$0.00
60	60" RCP-CLASS III	l.f.	\$222.00		\$0.00
61	72" RCP-CLASS III	l.f.	\$266.00		\$0.00
62	15" RCP-CLASS IV	l.f.	\$47.40		\$0.00
63	18" RCP-CLASS IV	l.f.	\$53.90	640	\$34,496.00
64	21" RCP-CLASS IV	l.f.	\$58.70		\$0.00
65	24" RCP-CLASS IV	l.f.	\$71.70	2400	\$172,080.00
66	27" RCP-CLASS IV	l.f.	\$74.50		\$0.00
67	30" RCP-CLASS IV	l.f.	\$92.80		\$0.00
68	33" RCP-CLASS IV	l.f.	\$97.40		\$0.00
69	36" RCP-CLASS IV	l.f.	\$120.00	2500	\$300,000.00
70	42" RCP-CLASS IV	l.f.	\$139.00		\$0.00
71	48" RCP-CLASS IV	l.f.	\$159.00		\$0.00
72	54" RCP-CLASS IV	l.f.	\$206.00		\$0.00
73	60" RCP-CLASS IV	l.f.	\$229.00		\$0.00
74	72" RCP-CLASS IV	l.f.	\$275.00		\$0.00
75	15" RCP-CLASS V	l.f.	\$47.40		\$0.00
76	18" RCP-CLASS V	l.f.	\$53.90		\$0.00
77	21" RCP-CLASS V	l.f.	\$58.70		\$0.00
78	24" RCP-CLASS V	l.f.	\$71.70		\$0.00
79	27" RCP-CLASS V	l.f.	\$78.30		\$0.00
80	30" RCP-CLASS V	l.f.	\$92.80		\$0.00
81	33" RCP-CLASS V	l.f.	\$99.40		\$0.00
82	36" RCP-CLASS V	l.f.	\$126.00		\$0.00
83	42" RCP-CLASS V	l.f.	\$142.00		\$0.00
84	48" RCP-CLASS V	l.f.	\$170.00		\$0.00
85	54" RCP-CLASS V	l.f.	\$214.00		\$0.00
86	60" RCP-CLASS V	l.f.	\$241.00		\$0.00

NOTE: The quantities and costs shown are for permitting and bonding purposes only. Contractor shall independently determine quantities and costs to his own satisfaction.

87	72" RCP-CLASS V	l.f.	\$287.00		\$0.00
88	15" PVC (ULTRA RIB)	l.f.	\$39.10		\$0.00
89	18" PVC (ULTRA RIB)	l.f.	\$42.20		\$0.00
90	21" PVC (ULTRA RIB)	l.f.	\$48.90		\$0.00
91	24" PVC (ULTRA RIB)	l.f.	\$60.30		\$0.00
92	27" PVC (ULTRA RIB)	l.f.	\$73.50		\$0.00
93	30" PVC (ULTRA RIB)	l.f.	\$89.60		\$0.00
94	12" HDPE (SMOOTH INTERIOR)	l.f.	\$35.90		\$0.00
95	15" HDPE (SMOOTH INTERIOR)	l.f.	\$39.10		\$0.00
96	18" HDPE (SMOOTH INTERIOR)	l.f.	\$42.20		\$0.00
97	24" HDPE (SMOOTH INTERIOR)	l.f.	\$52.10		\$0.00
98	30" HDPE (SMOOTH INTERIOR)	l.f.	\$73.30		\$0.00
99	36" HDPE (SMOOTH INTERIOR)	l.f.	\$98.20		\$0.00
100	4" PVC SCHEDULE 40	l.f.	\$13.10		\$0.00
101	6" PVC SCHEDULE 40	l.f.	\$14.70		\$0.00
102	8" PVC SCHEDULE 40	l.f.	\$16.30		\$0.00
103	10" PVC SCHEDULE 40	l.f.	\$19.40		\$0.00
104	12" PVC SCHEDULE 40	l.f.	\$22.80		\$0.00
<b>Storm Drain Pipe Sub Total =</b>					<b>\$747,726.00</b>

**Storm Drain Structures**

Item	Description	Unit	Price	Quantity	Cost
<b>Storm Drain Inlets</b>					
105	5'	ea.	\$3,260.00		\$0.00
	<i>additional</i>	per vert.ft.	\$233.00		\$0.00
106	10'	ea.	\$4,880.00	16	\$78,080.00
	<i>additional</i>	per vert.ft.	\$249.00	300	\$74,700.00
107	15'	ea.	\$6,510.00		\$0.00
	<i>additional</i>	per vert.ft.	\$262.00		\$0.00
108	20'	ea.	\$7,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$282.00		\$0.00
109	slotted yard	ea.	\$1,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$183.00		\$0.00
110	E	ea.	\$1,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$183.00		\$0.00
111	S	ea.	\$1,350.00		\$0.00
	<i>additional</i>	per vert.ft.	\$179.00		\$0.00
112	Double S	ea.	\$2,060.00		\$0.00
	<i>additional</i>	per vert.ft.	\$211.00		\$0.00
113	S combination	ea.	\$2,060.00		\$0.00
	<i>additional</i>	per vert.ft.	\$179.00		\$0.00
114	Double S combination	ea.	\$2,720.00		\$0.00

115	Standard NR	<i>additional</i>	per vert.ft.	\$211.00		\$0.00
			ea.	\$2,060.00		\$0.00
116	Single WR	<i>additional</i>	per vert.ft.	\$179.00		\$0.00
			ea.	\$2,060.00		\$0.00
117	Standard WR	<i>additional</i>	per vert.ft.	\$179.00		\$0.00
			ea.	\$2,880.00		\$0.00
118	Triple WR	<i>additional</i>	per vert.ft.	\$179.00		\$0.00
			ea.	\$4,400.00		\$0.00
		<i>additional</i>	per vert.ft.	\$211.00		\$0.00
<b>Storm Drain Manholes</b>						
119	Drop		ea.	\$4,400.00		\$0.00
		<i>additional</i>	per vert.ft.	\$256.00		\$0.00
120	B		ea.	\$2,190.00	8	\$17,520.00
		<i>additional</i>	per vert.ft.	\$194.00	80	\$15,520.00
<b>Headwalls</b>						
121	B, C, F		c.y.	\$1,020.00		\$0.00
122	E, H		c.y.	\$984.00		\$0.00
123	G		c.y.	\$655.00		\$0.00
<b>Rip-Rap</b>						
124	Class 1		c.y.	\$65.30		\$0.00
125	Class 2		c.y.	\$97.80		\$0.00
126	Class 3		c.y.	\$131.00		\$0.00
<b>Gabions</b>						
127	12'x3'x3'		ea.	\$978.00		\$0.00
128	12'x3'x1'		ea.	\$451.00		\$0.00
129	9'x3'x3'		ea.	\$671.00		\$0.00
130	6'x3'x3'		ea.	\$451.00		\$0.00
<b>End Sections</b>						
131	15" concrete		ea.	\$159.00		\$0.00
132	18" concrete		ea.	\$187.00		\$0.00
133	21" concrete		ea.	\$213.00		\$0.00
134	24" concrete		ea.	\$232.00		\$0.00
135	30" concrete		ea.	\$327.00		\$0.00
136	36" concrete		ea.	\$327.00		\$0.00
137	42" concrete		ea.	\$653.00		\$0.00
138	15" metal		ea.	\$327.00		\$0.00
139	18" metal		ea.	\$203.00		\$0.00
140	21" metal		ea.	\$391.00		\$0.00
141	24" metal		ea.	\$456.00		\$0.00
142	17"x13" metal		ea.	\$162.00		\$0.00
143	18"x11" metal		ea.	\$187.00		\$0.00
144	21"x15" metal		ea.	\$195.00		\$0.00
145	24"x18" metal		ea.	\$213.00		\$0.00
146	28"x20" metal		ea.	\$234.00		\$0.00
147	35"x24" metal		ea.	\$320.00		\$0.00
148	42"x29" metal		ea.	\$48.40		\$0.00
149	49"x33" metal		ea.	\$817.00		\$0.00
150	51"x38" metal		ea.	\$978.00		\$0.00

**Storm Drain Structure Sub Total = \$185,820.00**  
**Storm Drain Sub Total = \$933,546**  
**Storm Drain Review Fee = \$2,041.93**

*\* Storm Drain Review fee (up to \$100,000 = 1.04%; up to \$500,000 = \$1,072 + 0.104% over \$100,000;  
 up to \$1,000,000 = \$1,500 + 0.125% over \$500,000; up to \$5,000,000 = \$2,143 + 0.021% over \$1,000,000;  
 over \$5,000,000 = \$3,000 + 0.01% over \$5,000,000)*

**Grading**

Item	Description	Unit	Price	Quantity	Cost
<b>Grading</b>					
151	0% to 2.5% (disturbed area containing slopes of)	ac.	\$5,700.00		\$0.00
152	2.6% to 5.0% (disturbed area containing slopes of)	ac.	\$7,330.00		\$0.00
153	> 5% (disturbed area containing slopes of)	ac.	\$9,000.00		\$0.00
<b>Restoration Subtotal</b>					<b>\$0.00</b>
Unit Prices for Review Fee for Grading					
154	Cut (Outside of ROW)	c.y.	\$3.28		\$0.00
155	Fill (Outside of ROW)	c.y.	\$3.28		\$0.00
156	Borrow/spoil	c.y.	\$8.20		\$0.00
157	Clear & grub	a.c.	\$8,140.00		\$0.00
158	Straw Bales	l.f.	\$4.87		\$0.00
159	Silt Fence	l.f.	\$4.87		\$0.00
159	Super Silt Fence	l.f.	<b>\$9.00</b>		\$0.00
160	Earth berm/dike	l.f.	\$3.28		\$0.00
161	Sediment Trap	ea.	\$812.00		\$0.00
162	Stabilized construction entrance	ea.	\$1,200.00		\$0.00
163	Safety fence	l.f.	\$4.87		\$0.00
164	Miramat, curlex or equivalent	s.y.	\$5.90		\$0.00
165	Filter Cloth	s.y.	\$1.56		\$0.00
166	Inlet protection	ea.	\$249.00		\$0.00
167	Earth Ditch	l.f.	\$6.20		\$0.00
168	Seed, mulch lime & fertilizer	s.y.	\$0.76		\$0.00
<b>Grading Sub Total =</b>					<b>\$0</b>
<b>Grading Review Fee =</b>					<b>\$0.00</b>

\* Grading Review fee (up to \$100,000 = 0.78%; up to \$500,000 = \$804 + 0.073% over \$100,000; up to \$1,000,000 = \$1,105 + 0.052% over \$500,000; up to \$5,000,000 = \$1,372+ 0.021% over \$1,000,000; over \$5,000,000 = \$2,229+ 0.01% over \$5,000,000)

**Water and Sewer**

Item	Description	Unit	Price	Quantity	Cost
<b>Water</b>					
169	1" corporation stop	ea.	\$129.00		\$0.00
170	1 1/2" corporation stop	ea.	\$162.00		\$0.00
171	2" corporation stop	ea.	\$196.00		\$0.00
172	1" curb stop with box	ea.	\$196.00		\$0.00
173	1 1/2" curb stop with box	ea.	\$262.00		\$0.00
174	1 1/2" meter vault	ea.	<b>\$327.00</b>		\$0.00
175	2" curb stop with box	ea.	\$327.00		\$0.00
176	1" 'K' copper WHC	l.f.	\$16.20		\$0.00
177	1 1/2" 'K' copper WHC	l.f.	\$19.40		\$0.00
178	2" 'K' copper WHC	l.f.	\$22.80		\$0.00
179	3" main, DIP	l.f.	\$22.80		\$0.00
180	4" main, DIP	l.f.	\$26.10		\$0.00
181	6" main, DIP	l.f.	\$40.80		\$0.00
182	8" main, DIP	l.f.	\$45.50	3600	\$163,800.00
183	10" main, DIP	l.f.	\$53.80		\$0.00
184	12" main, DIP	l.f.	\$73.50		\$0.00
185	16" main, DIP	l.f.	\$120.00		\$0.00
186	20" main, DIP	l.f.	\$172.00		\$0.00
187	3" valve and box	ea.	\$488.00		\$0.00
188	4" valve and box	ea.	\$653.00		\$0.00
189	6" valve and box	ea.	\$815.00		\$0.00
190	8" valve and box	ea.	\$1,290.00	41	\$52,890.00

191	10" valve and box	ea.	\$1,940.00		\$0.00
192	12" valve and box	ea.	\$3,260.00		\$0.00
193	16" precast valve and vault	ea.	\$9,770.00		\$0.00
194	4" tapping sleeve and vault	ea.	\$1,790.00		\$0.00
195	6" tapping sleeve and vault	ea.	\$2,610.00		\$0.00
196	8" tapping sleeve and vault	ea.	\$3,590.00		\$0.00
197	10" tapping sleeve and vault	ea.	\$4,550.00		\$0.00
198	12" tapping sleeve and vault	ea.	\$6,180.00		\$0.00
199	6" fire hydrant	ea.	\$2,450.00	17	\$41,650.00
200	Bore and jack (<=24" casing with grout fill)	l.f.	\$246.00		\$0.00
201	Concrete Encasement	c.y.	\$736.00		\$0.00
202	Production well - 6"x8"	ea.	\$147,400.00		\$0.00
203	Production well straight 8"	ea.	\$194,500.00		\$0.00
204	Storage tanks	gal.	\$3.28		\$0.00
205	Well building	s.f.	\$81.40		\$0.00
206	Motor controls and chemical feeds	ea.	\$32,510.00		\$0.00
207	Telemetry	ea.	\$26,830.00		\$0.00

**Water Sub Total = \$258,340.00**

Item	Description	Unit	Price	Quantity	Cost
<b>Sanitary Sewer</b>					
208	4" cleanout assembly	v.f.	\$29.30		\$0.00
209	6" cleanout assembly	v.f.	\$32.60		\$0.00
210	4" service lateral, PVC	l.f.	\$29.30		\$0.00
211	6" service lateral, PVC	l.f.	\$32.60		\$0.00
212	8" gravity sewer, PVC	l.f.	\$39.10		\$0.00
213	10" gravity sewer, PVC	l.f.	\$45.50		\$0.00
214	12" gravity sewer, PVC	l.f.	\$56.90		\$0.00
215	6" gravity/force sewer, DIP	l.f.	\$45.50		\$0.00
216	8" gravity/force sewer, DIP	l.f.	\$53.80	3391	\$182,435.80
217	10" gravity/force sewer, DIP	l.f.	\$62.00		\$0.00
218	12" gravity/force sewer, DIP	l.f.	\$81.40		\$0.00
219	16" gravity/force sewer, DIP	l.f.	\$130.00		\$0.00
220	20" gravity/force sewer, DIP	l.f.	\$182.00		\$0.00
221	24" gravity/force sewer, DIP	l.f.	\$206.00		\$0.00
222	26" gravity/force sewer, DIP	l.f.	\$230.00		\$0.00
223	28" gravity/force sewer, DIP	l.f.	\$254.00		\$0.00
224	30" gravity/force sewer, DIP	l.f.	\$278.00		\$0.00
225	36" gravity/force sewer, DIP	l.f.	\$302.00	6530	\$1,972,060.00
225a	42" gravity/force sewer, DIP	l.f.	\$330.00	2400	\$792,000.00
226	MH-4' dia., precast	v.f.	\$289.00	250	\$72,250.00
227	MH-5' dia., precast	v.f.	\$371.00	300	\$111,300.00
228	Standard frame and cover	ea.	\$329.00	25	\$8,225.00
229	Water tight frame and cover	ea.	\$489.00	18	\$8,802.00
230	Inside drop connection	ea.	\$815.00		\$0.00
231	Kor-n-seal, tie-in to manhole	ea.	\$815.00	3	\$2,445.00
232	Bore & jack (<=24" casing with grout fill)	l.f.	\$246.00	200	\$49,200.00
233	Concrete Encasement	c.y.	\$736.00		\$0.00
234	Pumping Station (Grading)	LS	\$317,600.00		\$0.00
235	Pumping Station (wet/dry well)	ea.	\$397,900.00		\$0.00

**Sanitary Sewer Sub Total = \$3,198,717.80**

**Total Water and Sewer = \$3,457,058**

**Water and Sewer Review Fee = \$2,915.98**

*\* Water and Sewer Review fee (up to \$100,000 = 0.99%; up to \$500,000 = \$1048+ 0.166% over \$100,000; up to \$1,000,000 = \$1,704 + 0.135% over \$500,000; up to \$5,000,000 = \$2,400+ 0.021% over \$1,000,000; over \$5,000,000 = \$3,257 + 0.01% over \$5,000,000)*

**Stormwater Management**

Item	Description	Unit	Price	Quantity	Cost
<b>Stormwater Management</b>					
1	Control Structure	ea.	\$2,200.00	25	\$55,000.00
2	Headwall (B,C,F)	c.y.	\$943.00		\$0.00
3	Cut	c.y.	\$3.10	4650	\$14,415.00
4	Fill	c.y.	\$3.10		\$0.00
5	Clay Core	c.y.	\$5.25		\$0.00
6	Miscellaneous Concrete	c.y.	\$687.00		\$0.00
7	4" underdrains	l.f.	\$12.90	5650	\$72,885.00
8	Dewatering Device	e.a.	\$525.00		\$0.00
9	48" Chain Link Fence	l.f.	\$11.55		\$0.00
10	4" topsoil/seed & mulch	s.y.	\$6.10	1225	\$7,472.50
11	Washed Stone	c.y.	\$7.88	350	\$2,758.00
12	Filter Cloth	s.y.	\$1.47	1885	\$2,770.95
13	Observation Wells	ea.	\$210.00	25	\$5,250.00
14	Planting soils	c.y.	\$5.25	2010	\$10,552.50
15	Class I Rip Rap	c.y.	\$61.70		\$0.00

**Total Stormwater Management = \$171,104**  
**Stormwater Management Review Fee = \$1,339.30**

*\* SWM Review fee (up to \$30,000 = 2.06%; \$30,000 to \$100,000 = 1.28%;  
 up to \$500,000 = \$1217+ 0.172% over \$100,000; up to \$1,000,000 = \$1,685+ 0.21% over \$500,000;  
 up to \$5,000,000 = \$2,415+ 0.04% over \$1,000,000; over \$5,000,000 = \$3,369+ 0.0286% over \$5,000,000)*

SUBTOTAL CONSTRUCTION COST w/o Construction Mobilization= \$6,648,724.11  
**TOTAL CONSTRUCTION COST = \$6,701,224.11**  
**TOTAL C.C. REVIEW FEES = \$9,760.96**

**Sediment and Erosion Control**

**Disturbed Area:**

0 or 0.0 acres

**SCD Review Fees = \$28.00**

2011 Review fee is \$28 + \$79/acre  
 Acres must be rounded up to the nearest tenth of an acre