

Compark Village South, Filing No. 2 (Phase 1)

Roadway and Drainage Quantity Estimates

November 22, 2016

Item Number	Item Description	Estimated Quantity	Unit	Estimated Unit Cost	Subtotal
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I. EARTHWORK**A. Grading, Erosion Control, Sediment Control - Phase I**

1	Total Cut	264,218	CY	\$2.59	\$684,325
Fill is 220,308 CY; ~63,687 CY haul required					
2	Remove Strippings (Topsoil 6" Depth)	21,974	CY	\$1.88	\$41,311
3	Over Excavation	0	CY		\$0
4	Surface Roughening	27	AC	\$175.00	\$4,725
5	Seeding & Mulching	27	AC	\$1,500.00	\$40,500
6	Vehicle Tracking Control	1	Each	\$1,750.00	\$1,750
7	Concrete Washout Area	1	Each	\$750.00	\$750
8	Stabilized Staging Area	1	Each	\$500.00	\$500
9	Portable Toilet Protection	1	Each	\$75.00	\$75
10	Debris and Trash Control	20	HR	\$40.00	\$800
11	Temporary Sediment Basin	4	Each	\$2,500.00	\$10,000
12	Check Dam	364	L.F.	\$30.00	\$10,920
13	Inlet Protection	16	Each	\$300.00	\$4,800
14	Rock Sock in Swale	11	Each	\$20.00	\$220
15	Diversion Ditch	410	L.F.	\$2.00	\$820
16	Silt Fence	10,350	L.F.	\$1.25	\$12,938

SUBTOTAL \$814,433**II. STORM SEWER SYSTEM IMPROVEMENTS*****A. Storm Laterals - Phase I**

1	Type-R Inlet - 5'	3	Each	\$6,500.00	\$19,500
2	Type-R Inlet - 10'	7	Each	\$7,547.11	\$52,830
3	Type-R Inlet - 15'	6	Each	\$8,580.48	\$51,483
4	Type C Inlet	1	Each	\$3,000.00	\$3,000
5	18" RCP	610	L.F.	\$48.14	\$29,365
6	24" RCP	215	L.F.	\$70.43	\$15,142
7	30" RCP	825	L.F.	\$95.74	\$78,986
8	36" RCP	625	L.F.	\$95.74	\$59,838
9	42" RCP	124	L.F.	\$134.00	\$16,616
10	4' Manhole	2	Each	\$4,024.40	\$8,049
11	5' Manhole	5	Each	\$5,294.03	\$26,470
12	6' Manhole	3	Each	\$6,400.00	\$19,200
13	7'-2" X 7'-2" Box Base Manhole	1	Each	\$6,400.00	\$6,400
14	Temp FES Removal	5	Each	\$500.00	\$2,500
15	Temp Swale (2' Wide)	650	L.F.	\$1.50	\$975
16	Type H Soil Rip Rap Lining for Swale	260	C.Y.	\$55.79	\$14,505

SUBTOTAL \$404,859

*All work assumed to be completed in Phase I

III. STREET IMPROVEMENTS**A. Street Improvements - Phase I**

1	Subgrade Preparation (2' Behind Back of Curb)	10,640	S.Y.	\$1.15	\$12,236
2	Over Excavation	-	C.Y.		\$0
3	20' Temporary Construction Access Road - 8" Thickness	102	S.Y.	\$9.60	\$979
4	Asphalt Pavement (5" HMA/8" ABC)	8,055	S.Y.	\$38.66	\$311,406
5	4" Mountable Curb & Gutter	4,435	L.F.	\$15.00	\$66,525
6	Concrete Alley (6" Depth)	3,360	S.Y.	\$4.40	\$14,784
7	Signage	17	Each	\$650.00	\$11,050
8	2'x10' Solid White Crosswalk	650	S.F.	\$0.50	\$325
9	Cross Pan	318	S.Y.	\$55.56	\$17,668
10	Diagonal Pedestrian Ramp Including Curb Return	10	Each	\$782.50	\$7,825
11	Street Lights	3	Each	\$8,000.00	\$24,000
12	Retaining Walls	5,640	V.S.F.	\$28.93	\$163,165
13	5' Detached Concrete Sidewalk	22,175	S.F.	\$4.25	\$94,244
14	Subgrade Preparation for Sidewalk	3,450	S.Y.	\$2.97	\$10,247
15	Street Landscape and Irrigation Improvements (Plan West)	-	L.S.		\$0

STREET IMPROVEMENTS SUBTOTAL \$734,454

PUBLIC IMPROVEMENTS SUBTOTAL \$1,953,746

MOBILIZATION:

1	Mobilization @ 5%				\$97,687
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SURVEYING:

1	Surveying @ 5%				\$97,687
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CONSTRUCTION MANAGEMENT / TESTING:

1	Construction Management / Testing @ 12%				\$234,450
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CONTINGENCY:

1	Contingency @ 10%				\$195,375
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SUBTOTAL \$625,199

PUBLIC IMPROVEMENTS TOTAL \$2,578,945

LETTER OF CREDIT AT 110% \$2,836,839

The opinion of probable construction costs for Compark Village South, Filing No. 2 (Phase 1) was based on approximate quantity estimates for general Earthwork, utility work, concrete structural work, revegetation, and miscellaneous work based on the Final Road & Storm Drainage Construction Plans Prepared by Manhard Consulting, latest revision dated November 2016

Quantities were multiplied by current construction industry prices.

The opinion of probable costs shown, and any resulting conclusions on project financial or economic feasibility or funding requirements, have been prepared for guidance in project evaluation and implementation from the information available at the time the opinion was prepared. The final costs of the project and resulting feasibility will depend on actual labor and material costs, competitive market conditions, actual site conditions, final project scope, implementation schedule, continuity of personnel and engineering, and other variable factors. As a result, the project costs will vary from the opinion of the probable costs presented herein.