

# Winston Park - Phase 1

## Engineers Cost Estimate

2/22/2018

### Description

Description	Qty	Unit	Unit Price	Amount
<b>Culinary Water</b>				
Connect to Existing	1 ea.		\$4,125.00	\$4,125.00
10" C-900 Waterline	2000 ea.		\$32.00	\$64,000.00
3/4" Water Service Lateral	35 ea.		\$950.00	\$33,250.00
10" Gate Valve	6 ea.		\$2150.00	\$12,900.00
10" x 10" Tee	2 ea.		\$650.00	\$1,300.00
10" Tee	0 ea.		\$265.50	\$0.00
Fire Hydrant	4 ea.		\$4500.00	\$18,000.00
10" Blow Off	2 ea.		\$850.00	\$1,700.00
Test Water Line	1 ea.		\$850.00	\$850.00
3" Minus Material	2000 ea.		\$11.50	\$23,000.00
Raise and Collar Valves	6 ea.		\$250.00	\$1,500.00
				<b>\$160,625.00</b>
<b>Sewer</b>				
Dewatering	1 ea.		\$12000.00	\$12,000.00
8" PVC Sewer Line	2954 ea.		\$24.50	\$72,373.00
4" Service Lateral	35 ea.		\$750.00	\$26,250.00
48" Manholes	4 ea.		\$2250.00	\$9,000.00
60" Manholes	3 ea.		\$2550.00	\$7,650.00
Clean and Camera	0 ea.		\$1.10	\$0.00
Test Sewer Line	1 ea.		\$3800.00	\$3,800.00
Raise and Collar Manholes	7 ea.		\$350.00	\$2,450.00
3" Minus Material	13000 ea.		\$11.50	\$149,500.00
				<b>\$283,023.00</b>
<b>Irrigation</b>				
Connect to Existing	1 ea.		\$4125.00	\$4,125.00
8" C-900 Waterline	1720 ea.		\$24.50	\$42,140.00
8" Gate Valve	6 ea.		\$1550.00	\$9,300.00
8" Tee	2 ea.		\$400.00	\$800.00
Air Relief Valve	2 ea.		\$650.00	\$1,300.00
1" Single Lateral	35 ea.		\$575.00	\$20,125.00
1" Double Lateral	0 ea.		\$1,500.00	\$0.00
Test Secondary Water Line	1 ea.		\$650.00	\$650.00
3" Minus Material	2000 ea.		\$11.50	\$23,000.00
Raise and Collar Valves	6 ea.		\$450.00	\$2,700.00
				<b>\$104,140.00</b>
<b>Storm Drain</b>				
4" PVC Foundation Drain	0 ea.		\$700.00	\$0.00
4'x4' Box	6 ea.		\$2400.00	\$14,400.00
5'x5' Box	1 ea.		\$8800.00	\$8,800.00
Combo / Cleanout Box	11 ea.		\$2950.00	\$32,450.00
Reverse Combo Box	0 ea.		\$2,482.00	\$0.00
Catch Basin	3 ea.		\$1,500.00	\$4,500.00
Flared End	4 ea.		\$1200.00	\$4,800.00
24" RCP Pipe	1800 lf		\$55.00	\$99,000.00
21" RCP Pipe	288 lf		\$52.00	\$14,976.00
18" RCP Pipe	96 lf		\$51.00	\$4,896.00
15" RCP Pipe	1808 lf		\$49.00	\$88,592.00
3" Minus Material	3000 ea.		\$11.50	\$34,500.00
Excavate Detention Ponds	1 ea.		\$3,600.00	\$3,600.00
Camera Storm Drain	1 ea.		\$6,500.00	\$6,500.00
				<b>\$310,514.00</b>

**Site Work**

Mobilization	0 ea.	\$5500.00	\$0.00
Grub Road	1 ea.	\$2500.00	\$2,500.00
Materials Imported to Establish Subgrade	18750 ea.	\$14.50	\$271,875.00
Curb & Gutter	6230 ea.	\$15.50	\$96,565.00
Ada Ramps	8 ea.	\$1200.00	\$9,600.00
Sidewalk	5400 ea.	\$15.50	\$83,700.00
3" Minus Material	3950 ea.	\$14.50	\$57,275.00
Roadbase	3600 ea.	\$15.50	\$55,800.00
Final Grading	0 ea.	\$0.11	\$0.00
Compaction Density Testing	0 ea.	\$2500.00	\$0.00
3" Asphalt Pavement	99000 ea.	\$1.25	\$123,750.00
Saw Cut	0 ea.	\$2.50	\$0.00
Traffic Control	0 ea.	\$3500.00	\$0.00
Dry Utilities Trench	0 ea.	\$12.09	\$0.00
Landscaping	0 ea.	\$0.00	\$0.00
			<b>\$701,065.00</b>

**SWPPP**

Create and File NOI	1 ea.	\$1500.00	\$1,500.00
EPA Truck Entrance	1 ea.	\$500.00	\$500.00
EPA Box Filters Installed	17 ea.	\$75.00	\$1,275.00
			<b>\$3,275.00</b>

**Subtotal****\$1,562,642.00****Contingency (10%)****\$156,264.20****Total Estimated Cost****\$1,718,906.20**

\* This is an estimate only. The owner/developer is responsible to verify amounts. The approved project plans are the governing document.

# Winston Park - Phase 2

## Engineers Cost Estimate

2/22/2018

### Description

	Qty	Unit	Unit Price	Amount
<b>Culinary Water</b>				
Connect to Existing	1	ea.	\$4,125.00	\$4,125.00
10" C-900 Waterline	2440	ea.	\$32.00	\$78,080.00
3/4" Water Service Lateral	21	ea.	\$950.00	\$19,950.00
10" Gate Valve	4	ea.	\$2150.00	\$8,600.00
10" x 10" Cross	1	ea.	\$850.00	\$850.00
10" Tee	0	ea.	\$265.50	\$0.00
Fire Hydrant	5	ea.	\$4500.00	\$22,500.00
10" Blow Off	2	ea.	\$850.00	\$1,700.00
Test Water Line	1	ea.	\$850.00	\$850.00
3" Minus Material	1200	ea.	\$11.50	\$13,800.00
Raise and Collar Valves	6	ea.	\$250.00	\$1,500.00
				<b>\$151,955.00</b>
<b>Sewer</b>				
Dewatering	1	ea.	\$9000.00	\$9,000.00
8" PVC Sewer Line	2254	ea.	\$26.50	\$59,731.00
4" Service Lateral	21	ea.	\$685.00	\$14,385.00
48" Manholes	10	ea.	\$2250.00	\$22,500.00
60" Manholes	0	ea.	\$2550.00	\$0.00
Clean and Camera	0	ea.	\$1.10	\$0.00
Test Sewer Line	1	ea.	\$3800.00	\$3,800.00
Raise and Collar Manholes	10	ea.	\$350.00	\$3,500.00
3" Minus Material	10000	ea.	\$11.50	\$115,000.00
				<b>\$227,916.00</b>
<b>Irrigation</b>				
Connect to Existing	1	ea.	\$4125.00	\$4,125.00
8" C-900 Waterline	2220	ea.	\$24.50	\$54,390.00
8" Gate Valve	4	ea.	\$1550.00	\$6,200.00
8" Cross	1	ea.	\$400.00	\$400.00
Air Relief Valve	2	ea.	\$650.00	\$1,300.00
1" Single Lateral	21	ea.	\$575.00	\$12,075.00
1" Double Lateral	0	ea.	\$1,500.00	\$0.00
Test Secondary Water Line	1	ea.	\$650.00	\$650.00
3" Minus Material	2000	ea.	\$11.50	\$23,000.00
Raise and Collar Valves	8	ea.	\$450.00	\$3,600.00
				<b>\$105,740.00</b>
<b>Storm Drain</b>				
4" PVC Foundation Drain	0	ea.	\$700.00	\$0.00
4'x4' Box	5	ea.	\$2400.00	\$12,000.00
5'x5' Box	0	ea.	\$8800.00	\$0.00
Combo / Cleanout Box	8	ea.	\$2950.00	\$23,600.00
Reverse Combo Box	0	ea.	\$2,482.00	\$0.00
Catch Basin	8	ea.	\$1,500.00	\$12,000.00
Flared End	6	ea.	\$1200.00	\$7,200.00
24" RCP Pipe	0	lf	\$55.00	\$0.00
21" RCP Pipe	0	lf	\$52.00	\$0.00

18" RCP Pipe	176 lf	\$51.00	\$8,976.00
15" RCP Pipe	2032 lf	\$49.00	\$99,568.00
3" Minus Material	1000 ea.	\$11.50	\$11,500.00
Excavate Detention Ponds	1 ea.	\$2,500.00	\$2,500.00
Camera Storm Drain	1 ea.	\$5,500.00	\$5,500.00

**\$177,344.00**

**Site Work**

Mobilization	0 ea.	\$5500.00	\$0.00
Grub Road	1 ea.	\$2300.00	\$2,300.00
Materials Imported to Establish Subgrade	0 ea.	\$14.50	\$0.00
Curb & Gutter	4800 ea.	\$15.50	\$74,400.00
Ada Ramps	4 ea.	\$1200.00	\$4,800.00
Sidewalk	4800 ea.	\$15.50	\$74,400.00
3" Minus Material	22550 ea.	\$14.50	\$326,975.00
Roadbase	3200 ea.	\$15.50	\$49,600.00
Final Grading	0 ea.	\$0.11	\$0.00
Compaction Density Testing	0 ea.	\$2500.00	\$0.00
3" Asphalt Pavement	86400 ea.	\$1.25	\$108,000.00
Saw Cut	0 ea.	\$2.50	\$0.00
Traffic Control	0 ea.	\$3500.00	\$0.00
Dry Utilities Trench	0 ea.	\$12.09	\$0.00
Landscaping	0 ea.	\$0.00	\$0.00

**\$640,475.00**

**SWPPP**

Create and File NOI	1 ea.	\$1500.00	\$1,500.00
EPA Truck Entrance	1 ea.	\$500.00	\$500.00
EPA Box Filters Installed	13 ea.	\$75.00	\$975.00

**\$2,975.00**

**Subtotal**

**\$1,306,405.00**

**Contingency (10%)**

**\$130,640.50**

**Total Estimated Cost**

**\$1,437,045.50**

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