



# Sunset Equestrian, Phase 1

## Engineer's Cost Estimate

2/14/18

EF

# 5336-05

Description	Item	Unit	Unit Price	Amount
<b>Culinary Water</b>				
6" Fire Hydrant W/ Acc. Valve	5	ea	\$3,900.00	\$19,500.00
3/4" Service Laterals	20	ea	\$1,130.00	\$22,600.00
10" Gate Valve	1	ea	\$1,190.00	\$1,190.00
Plug w/ 2" Blow-Off	1	ea	\$980.00	\$980.00
Connection to Existing	1	ea	\$6,500.00	\$6,500.00
Valve Collars	18	ea	\$400.00	\$7,200.00
Test & Chlorinate	1	l.s.	\$5,000.00	\$5,000.00
10" PVC Pipe & Fittings	564	l.f.	\$34.80	\$19,627.20
Engineered Trench Fill	237	c.y.	\$12.50	\$2,962.50
				\$85,559.70
<b>Secondary Water</b>				
12" PVC Pipe & Fittings	1,584	l.f.	\$38.50	\$60,984.00
8" PVC Pipe & Fittings	567	l.f.	\$28.50	\$16,159.50
4" PVC Pipe & Fittings	22	l.f.	\$18.50	\$407.00
Engineered Trench Fill	950	c.y.	\$12.50	\$11,875.00
12" Butterfly Valve	3	ea	\$3,630.00	\$10,890.00
8" Gate Valve	2	ea	\$1,050.00	\$2,100.00
Valve Collars	10	ea	\$400.00	\$4,000.00
4" Drain w/ Gate Valve	2	ea	\$980.00	\$1,960.00
Double Service Laterals	7	ea	\$1,380.00	\$9,660.00
Single Service Laterals	7	ea	\$980.00	\$6,860.00
Connection to Existing	1	ea	\$6,500.00	\$6,500.00
Air-Inlet Release	2	ea	\$1,250.00	\$2,500.00
				\$133,895.50
<b>Sanitary Sewer</b>				
8" PVC Pipe & Fittings	393	l.f.	\$29.80	\$11,711.40
Engineered Trench Fill	311	c.y.	\$12.50	\$3,887.50
5' Diameter Manhole	1	ea	\$3,250.00	\$3,250.00
4' Diameter Manhole	1	ea	\$2,850.00	\$2,850.00
4" Service Lateral	20	ea	\$1,260.00	\$25,200.00
Manhole Collars	2	ea	\$400.00	\$800.00
Test & Camera	1	l.s.	\$3,600.00	\$3,600.00
Connection to Existing	1	ea	\$6,800.00	\$6,800.00
				\$58,098.90
<b>Storm Drain</b>				
18" R.C.P. Pipe	221	l.f.	\$31.50	\$6,961.50
15" R.C.P. Pipe	592	l.f.	\$29.80	\$17,641.60
Engineered Trench Fill	466	c.y.	\$12.50	\$5,825.00
Type IV Catch Basin	4	ea	\$2,280.00	\$9,120.00
3' x 3' Junction Box w/ lid	1	ea	\$2,630.00	\$2,630.00
5' Diameter Manhole	1	ea	\$3,250.00	\$3,250.00
Manhole Collars	1	ea	\$400.00	\$400.00
Combo Box	9	ea	\$3,630.00	\$32,670.00
Removal Ex. 18" Storm Drain	137	l.f.	\$9.50	\$1,301.50
Removal Ex. 15" Storm Drain	272	l.f.	\$8.25	\$2,244.00
Removal Ex. SDMH	2	ea	\$850.00	\$1,700.00
Removal of Ex. Inlet	1	ea	\$500.00	\$500.00
Connection to Existing	2	ea	\$6,500.00	\$13,000.00
				\$97,243.60

**Irrigation**

24" R.C.P. Pipe	211 l.f.	\$36.80	\$7,764.80	
18" R.C.P. Pipe	1,180 l.f.	\$31.50	\$37,170.00	
4' Diameter Irrigation Manhole	2 ea	\$2,850.00	\$5,700.00	
2' Irrigation Box	5 ea	\$550.00	\$2,750.00	
Connection to Existing	2 ea	\$2,500.00	\$5,000.00	
Irrigation Valve/Gate	2 ea	\$500.00	\$1,000.00	
Removal Ex. 18" Irrigation	1,180 l.f.	\$9.50	\$11,210.00	
Removal Ex. 12" Irrigation	100 l.f.	\$7.00	\$700.00	
Removal Ex. Irr. Box/Structure	5 ea	\$250.00	\$1,250.00	
Removal Ex. Irrigation Valve	2 ea	\$250.00	\$500.00	
Engineered Trench Fill	553 c.y.	\$12.50	\$6,912.50	
				\$79,957.30

**Street Improvements**

Std. 30" Curb and Gutter	2,434 l.f.	\$18.50	\$45,029.00	
24" Rolled Curb	1,065 l.f.	\$13.50	\$14,377.50	
Std. 4' wide Sidewalk	3,490 l.f.	\$18.50	\$64,565.00	
8" Gravel Base and 3" Asphalt Surface in ROW	6,569 s.y.	\$21.75	\$142,875.75	
8" Gravel Base and 3" Asphalt Surface for 6' Trail	946 s.y.	\$21.75	\$20,575.50	
6" Compacted Road Base	7,826 s.y.	\$16.00	\$125,216.00	
Saw-Cutting	5,461 l.f.	\$1.05	\$5,734.05	
Removal of Existing Asphalt	1,165 s.y.	\$5.25	\$6,116.25	
Excavation	936 c.y.	\$5.50	\$5,148.00	
Fill In ROW	196 c.y.	\$6.50	\$1,274.00	
Removal of Ex. Concrete On Private	405 l.f.	\$5.50	\$2,227.50	
Fill on Private Property	725 c.y.	\$6.50	\$4,712.50	
				\$437,851.05

**Misc.**

Survey Street Monuments	5 ea	\$675.00	\$3,375.00	
Street Signs	3 ea	\$320.00	\$960.00	
ADA Ramps	3 ea	\$950.00	\$2,850.00	
Turf Grass	9,000 s.f.	\$1.00	\$9,000.00	
Trees	188 ea	\$350.00	\$65,800.00	
Split Rail Fence	3,833 l.f.	\$18.25	\$69,958.82	
Street Lights	4 ea	\$5,500.00	\$22,000.00	
Removal Ex. Tree	TBD On-site	10 ea	\$1,500.00	\$15,000.00
SWPPP	Inspection	2 l.s.	\$6,500.00	\$13,000.00
				\$201,943.82

**Subtotal**

\$1,094,549.87

**Contingency (10%)**

\$109,454.99

**Total Estimated Cost****\$1,204,004.86**

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