



Aria Apartments Phase 1
 Project No.: B19-0012
 2021/02/04
 For: Central States Construction

Opinion of Probable Cost Site Development Plans Based on Final Plans

ITEM OF WORK	QUANTITY	UNIT	UNIT COST	COST
GRADING				
1 Common Excavation (>10 acre site)	120775.00	C.Y.	\$3.50	\$422,712.50
2 Embankment (>10 acre site)	82050.00	C.Y.	\$1.90	\$155,895.00
3 Subgrade Stabilization (4" rock w/fabric)	48470.00	S.Y.	\$6.00	\$290,820.00
4 Subgrade Stabilization (9" Flyash Treatment)	48470.00	S.Y.	\$5.15	\$249,620.50
			Subtotal	\$1,119,048.00
PAVEMENT				
5 6" Concrete	42578.00	S.Y.	\$56.50	\$2,405,657.00
6 8" Concrete	752.00	S.Y.	\$71.00	\$53,392.00
			Subtotal	\$2,459,049.00
CURBS, SIDEWALKS & DRIVES				
Curb and Gutter				
7 Curb & Gutter (Type CG-1)	15089.00	L.F.	\$15.00	\$226,335.00
8 Ribbon Curb & Gutter	426.00	L.F.	\$17.50	\$7,455.00
9 Concrete Sidewalks	24753.00	S.F.	\$5.00	\$123,765.00
10 Curb Ramps without Detectable Warning	43.00	Ea.	\$1,200.00	\$51,600.00
			Subtotal	\$409,155.00
STORM SEWERS				
High Density Polyethylene Pipe				
11 12" HDPE	2241.28	L.F.	\$35.00	\$78,444.80
12 15" HDPE	3328.64	L.F.	\$40.00	\$133,145.60
13 18" HDPE	634.80	L.F.	\$45.00	\$28,566.00
14 24" HDPE	704.48	L.F.	\$54.00	\$38,041.92
15 30" HDPE	495.95	L.F.	\$60.00	\$29,757.00
End Sections				
16 12"-18" End Section (CMP)	8.00	Ea.	\$550.00	\$4,400.00
17 24"-30" End Section (CMP)	2.00	Ea.	\$1,000.00	\$2,000.00
Headwalls, Channel Lining				
18 Riprap	39.00	S.Y.	\$65.00	\$2,535.00
Structures				
Manholes				
19 4' dia.	15.00	Ea.	\$2,700.00	\$40,500.00
20 5' dia.	3.00	Ea.	\$3,500.00	\$10,500.00
21 12" Nyloplast Drain Basin	43.00	Ea.	\$2,250.00	\$96,750.00
22 15" Nyloplast Drain Basin	9.00	Ea.	\$2,500.00	\$22,500.00
23 18" Nyloplast Drain Basin	4.00	Ea.	\$2,750.00	\$11,000.00
24 24" Nyloplast Drain Basin	1.00	Ea.	\$3,000.00	\$3,000.00
25 30" Nyloplast Drain Basin	3.00	Ea.	\$3,250.00	\$9,750.00
Junction Boxes				
26 5' x 5' Inside	2.00	Ea.	\$3,225.00	\$6,450.00
27 7' x 4' Inside	1.00	Ea.	\$4,150.00	\$4,150.00
Curb Inlets				
28 Std. 5' x 3' Inside	22.00	Ea.	\$3,200.00	\$70,400.00
29 Std. 5' x 4' Inside	2.00	Ea.	\$3,300.00	\$6,600.00
30 Std. 7' x 4' Inside	1.00	Ea.	\$4,000.00	\$4,000.00
31 Std. 8' x 4' Inside	2.00	Ea.	\$4,200.00	\$8,400.00
32 Nyloplast 3'x2'	5.00	Ea.	\$3,300.00	\$16,500.00

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	Field Inlets				
33	Std. 4' x 4' Inside	7.00	Ea.	\$3,100.00	\$21,700.00
	Grate Inlets				
34	Std. 4' x 4' Inside	8.00	Ea.	\$3,100.00	\$24,800.00
	Grate Inlets				
35	Std. 4' x 4' Inside	8.00	Ea.	\$3,100.00	\$24,800.00
	Subtotal				\$699,050.32
	SANITARY SEWERS				
	Mains				
36	8" PVC (SDR-26)	2042.27	L.F.	\$35.00	\$71,479.45
37	8" PVC (SDR-21)	387.42	L.F.	\$50.00	\$19,371.00
	Laterals				
38	4" Pipe	136.00	L.F.	\$30.00	\$4,080.00
39	6" Pipe	969.00	L.F.	\$32.00	\$31,008.00
	Service Line Connections (Wyes, Bends, Risers)				
40	8" Mains	10.00	Ea.	\$125.00	\$1,250.00
	Manholes				
41	4' dia	11.00	Ea.	\$3,750.00	\$41,250.00
42	Drop Addition	17.80	V.F.	\$200.00	\$3,560.00
43	Connect to Existing Manhole	1.00	Ea.	\$2,000.00	\$2,000.00
	Subtotal				\$173,998.45
	WATER LINES				
	Mains				
44	3/4" Type K Copper	49.00	L.F.	\$7.00	\$343.00
45	1.5" Type K Copper	78.00	L.F.	\$10.00	\$780.00
46	4" C900 PVC	5502.00	L.F.	\$28.00	\$154,056.00
47	6" C900 PVC	977.00	L.F.	\$36.00	\$35,172.00
48	8" C900 PVC	4710.17	L.F.	\$44.00	\$207,247.48
	Bends				
49	4" Mains	27.00	Ea.	\$144.00	\$3,888.00
50	6" Mains	12.00	Ea.	\$206.00	\$2,472.00
51	8" Mains	14.00	Ea.	\$278.00	\$3,892.00
	Tees / Crosses				
52	4" Mains	18.00	Ea.	\$232.00	\$4,176.00
53	8" Mains	17.00	Ea.	\$430.00	\$7,310.00
	Reducers				
54	4" Mains	2.00	Ea.	\$131.00	\$262.00
55	6" Mains		Ea.	\$157.00	\$0.00
56	8" Mains	13.00	Ea.	\$223.00	\$2,899.00
	Gate Valves				
57	4" Mains	14.00	Ea.	\$600.00	\$8,400.00
58	6" Mains	13.00	Ea.	\$755.00	\$9,815.00
59	8" Mains	10.00	Ea.	\$1,250.00	\$12,500.00
	Miscellaneous				
60	Fire Hydrant Assemblies	13.00	Ea.	\$4,400.00	\$57,200.00
61	4" Water Meter	2.00	Ea.	\$12,000.00	\$24,000.00
62	4" Double Detector Backflow Preventer and Vault	2.00	Ea.	\$8,000.00	\$16,000.00
63	8" Double Detector Backflow Preventer and Vault	2.00	Ea.	\$12,000.00	\$24,000.00
64	Chlorination and Connection to Existing	2.00	Ea.	\$3,000.00	\$6,000.00
	Subtotal				\$580,412.48
	EROSION CONTROL				
65	Inlet Protection	90.00	Ea.	\$125.00	\$11,250.00
66	Silt Fence	2463.00	L.F.	\$2.00	\$4,926.00
67	Diversion Berm	2991.00	L.F.	\$2.00	\$5,982.00
68	Vehicle Tracking Device w/ Concrete Washout	2.00	Ea.	\$2,500.00	\$5,000.00
69	Rock Check Dams	74.00	Ea.	\$400.00	\$29,600.00
70	Sediment Trap (Rock and Gravel)	7.00	Ea.	\$2,350.00	\$16,450.00
71	Erosion Control Blanket	10010.00	S.Y.	\$2.15	\$21,521.50
	Subtotal				\$94,729.50

ITEM OF WORK	QUANTITY	UNIT	UNIT COST	COST
MISCELLENIOUS				
72 Clearing (no burning)	1.60	Ac.	\$9,850.00	\$15,760.00
73 Seed & Mulch	12.79	Ac.	\$1,850.00	\$23,661.50
74 Retaining Wall	9100.00	S.F.	\$30.00	\$273,000.00
75 Filtration Trench (Rock, Filter Fabric, 4" Perforated Underdrain)	2353.00	L.F.	\$75.00	\$176,475.00
			Subtotal	\$488,896.50

Estimate Information

Dwg. name: (type drawing name)

Survey/GIS info: (Olsson topo, flown, etc.)

N Weather delays included

Y Environmental reports available

Y Geotechnical information available

Y Site visit conducted

N Rock excavation included

Y Private utility information available

Y Storm drainage study available

N Import/Export locations available

TOTAL OF CONSTRUCTION COSTS **\$6,024,339.25**

GRAND TOTAL \$6,024,339.25

Final construction costs may be impacted by input from local, state, and federal regulatory authorities. Estimate does not include state or federal regulatory permit fees or potential mitigation cost for stream and wetland impacts.

Construction costs are subject to unit cost increases due to inflation and market factors beyond control of or unknown to consultant at time of estimate.

We do not guarantee that our opinions will not differ materially from negotiated prices or bids. If assurances as to probable construction costs are desired, an independent estimator or contractor should be employed.

