



Date: 7/17/19

## Cost Proposal

Eric Reyna  
Project Manager  
Transportation & Capital Improvements

Re: **COSA – Jane Dubel Park – Portland Loo**

Owner:	City of San Antonio
Owner's Representative:	Eric Reyna
Contractor:	Alpha Building Corporation
Project Manager:	Amy R. Bricker
RFP No.:	<b>180702-01</b>

This Proposal is offered as set forth in the terms and conditions of the contract and the statement of work as amended by a more detailed statement of work attached.

1. All work shall be performed in accordance with the Request for Proposal No. 180702-01
2. Furnish materials, equipment, labor, and supervision as required to complete the scope of work as per the plans and specifications labeled Jane Dubel Park by Terra Design Group, Inc. dated 6/25/18 including but not limited to:
  - a. Furnish and install Portland Loo single occupant public toilet per the negotiated quote provided to Alpha dated 12/1/18.
  - b. Furnish and install private sanitary sewer shown on C1.01 – includes permit
  - c. Furnish and install public water shown on C1.01 and C1.02 – includes COSA ROW permit and traffic control plan
  - d. Furnish and install private water Shown on C1.01 – includes permit and hydro test
  - e. Furnish and install electrical to the loo from an existing panel
  - f. Furnish and install foundation for loo – to be reviewed by The Portland Loo
  - g. Provide SWPPP Plan and 1 month of inspections
  - h. Provide tree protection, silt fence and concrete washout
3. Certified wages are included in this proposal.
4. No other job related requirements are acknowledged or included in this offer.



## Assumptions & Clarifications

1. No handling or disposal of hazardous materials.
2. Work to be performed during standard working hours Monday through Friday.
3. We exclude evenings, weekends and holidays.
4. We exclude all unforeseen conditions.
5. We exclude any rock excavation.
6. We exclude any impact fees and utility bills.
7. Utility depths were not provided for the existing water main at the tap, additional cost may be incurred if water main depth is greater than 6'.
8. Alpha will not be providing licensed tree maintenance professional.

**Cost:** **\$ 236,660.15**

**Bond:** **\$ 4,550.00**

**Total Cost:** **\$ 241,205.15**

Respectfully,

*Amy R. Bricker*

Amy R. Bricker, Project Manager  
Alpha Building Corporation

**Estimator: Amy Bricker**
**Summary of tagged estimates...**
**Division Summary (MF04)**

01 - General Requirements	\$50,205.94
02 - Existing Conditions	\$10,151.45
03 - Concrete	\$6,103.06
04 - Masonry	
05 - Metals	
06 - Wood, Plastics, and Composites	\$1,810.00
07 - Thermal and Moisture Protection	
08 - Openings	
09 - Finishes	
10 - Specialties	
11 - Equipment	
12 - Furnishings	
13 - Special Construction	
14 - Conveying Equipment	
21 - Fire Suppression	
22 - Plumbing	\$18,115.83
23 - Heating, Ventilating, and Air-Conditioning (HVAC)	\$1,920.00
25 - Integrated Automation	

**Total Components**

RS Means Sub-Total	\$157,106.84
RSMeans SAN ANTONIO, TX CCI 2019Q2, 86.30%	\$(21,523.63)
NH Coefficient (-8.0000%)	\$(10,846.66)
Bond	\$4,540.00

**Material, Labor, and Equipment Totals (No Totaling Components)**

Material:	\$159,459.48
Labor:	\$44,418.60
Equipment:	\$46,118.75
Other:	\$5,490.01
Laborhours:	865.58
Green Line Items:1	\$349.92

26 - Electrical	\$17,737.98
27 - Communications	\$11,096.00
28 - Electronic Safety and Security	\$2,216.20
31 - Earthwork	\$2,599.50
32 - Exterior Improvements	\$16,863.04
33 - Utilities	
34 - Transportation	
35 - Waterway and Marine Transportation	
41 - Material Processing and Handling Equipment	
44 - Pollution Control Equipment	
46 - Water and Wastewater Equipment	
48 - Electric Power Generation	
Alternate	\$116,427.64
Trades	\$240.20
Assemblies	
FMR	
<b>MF04 Total (Without totalling components)</b>	<b>\$255,486.84</b>

Permits	\$1,743.00
NPPI Line Items	\$98,380.00
NPPI Coefficient (12.0000%)	\$11,805.60

**Priced/Non-Priced**

Total Priced Items:	101	\$157,106.84
Total Non-Priced Items:	1	\$98,380.00
		38.51%
	102	\$255,486.84

**Grand Total**
**\$241,205.15**

# Final Estimate

Estimator: Amy Bricker						Combined estimates...		
Item	Description	UM	Quantity	Unit Cost	Total	Book		
<b>01 - General Requirements</b>								
1 01-32-33-50-1720	Construction photographs, cameraman, and processing, color Photos per requirement by SAWS	Day	1.0000	\$1,450.00	\$1,450.00	RSM19FAC M, B P		
2 01-41-26-50-0020	Permits rule of thumb, most cities, minimum	Job	1.0000	0.5000%	\$0.01	RSM19FAC B P		
3 01-45-23-50-5550	Earthwork inspection technician, per day SWPPP Plan and inspections	Ea.	3.0000	\$530.00	\$1,590.00	RSM19FAC B P		
4 01-54-19-50-0400	Crane crew, daily use for small jobs, 55-ton truck-mounted hydraulic crane, portal to portal	Day	1.0000	\$2,305.00	\$2,305.00	RSM19FAC L, E, B P		
5 01-54-33-20-0325-3	Rent per week for rent excavator diesel hydraulic crawler mounted 3.5 CY capacity	Ea.	1.0000	\$6,475.00	\$6,475.00	RSM19FAC E, B P		
6 01-54-33-20-0325-3	Rent per week for rent excavator diesel hydraulic crawler mounted 3.5 CY capacity	Ea.	1.0000	\$6,475.00	\$6,475.00	RSM19FAC E, B P		
7 01-54-33-20-0325-3	Rent per week for rent excavator diesel hydraulic crawler mounted 3.5 CY capacity	Ea.	1.0000	\$6,475.00	\$6,475.00	RSM19FAC E, B P		
8 01-54-33-20-0400-4	Rent per month for rent backhoe-loader 40 to 45 HP 5/8 CY capacity	Ea.	1.0000	\$1,850.00	\$1,850.00	RSM19FAC E, B P		
9 01-54-33-20-0400-4	Rent per month for rent backhoe-loader 40 to 45 HP 5/8 CY capacity	Ea.	1.0000	\$1,850.00	\$1,850.00	RSM19FAC E, B P		
10 01-54-33-20-0400-4	Rent per month for rent backhoe-loader 40 to 45 HP 5/8 CY capacity	Ea.	1.0000	\$1,850.00	\$1,850.00	RSM19FAC E, B P		
11 01-54-33-40-0200-4	Rent per month for rent air compressor, towed type, gas engine, 60 cfm	Ea.	1.0000	\$465.00	\$465.00	RSM19FAC E, B P		
12 01-54-33-40-0200-4	Rent per month for rent air compressor, towed type, gas engine, 60 cfm	Ea.	1.0000	\$465.00	\$465.00	RSM19FAC E, B P		
13 01-54-33-40-0200-4	Rent per month for rent air compressor, towed type, gas engine, 60 cfm	Ea.	1.0000	\$465.00	\$465.00	RSM19FAC E, B P		
14 01-54-33-40-0950-4	Rent per month for rent air tool, drill, hand (jackhammer) 65 lbs	Ea.	1.0000	\$156.00	\$156.00	RSM19FAC E, B P		
15 01-54-33-40-0950-4	Rent per month for rent air tool, drill, hand (jackhammer) 65 lbs	Ea.	1.0000	\$156.00	\$156.00	RSM19FAC E, B P		
16 01-54-33-40-0950-4	Rent per month for rent air tool, drill, hand (jackhammer) 65 lbs	Ea.	1.0000	\$156.00	\$156.00	RSM19FAC E, B P		
17 01-54-33-40-1950-4	Rent per month for rent floodlights trailer mounted w/generator 1 - 300 watt light	Ea.	1.0000	\$685.00	\$685.00	RSM19FAC E, B P		
18 01-54-33-40-1950-4	Rent per month for rent floodlights trailer mounted w/generator 1 - 300 watt light	Ea.	1.0000	\$685.00	\$685.00	RSM19FAC E, B P		

Estimator: Amy Bricker

Combined estimates...

## 01 - General Requirements

Item	Description	UM	Quantity	Unit Cost	Total	Book
19 01-54-33-40-1950-4	Rent per month for rent floodlights trailer mounted w/generator 1 - 300 watt light	Ea.	1.0000	\$685.00	\$685.00 RSM19FAC E, B	P
20 01-54-33-40-7050-3	Rent per week for rent trench box, 8000 lb., 8' x 16'	Ea.	2.0000	\$540.00	\$1,080.00 RSM19FAC E, B	P
21 01-54-33-40-7050-3	Rent per week for rent trench box, 8000 lb., 8' x 16'	Ea.	2.0000	\$540.00	\$1,080.00 RSM19FAC E, B	P
22 01-54-36-50-1300	Mobilization or demobilization, delivery charge for equipment, hauled on 3-ton capacity towed trailer Mobilization and demobilization - electrical	Ea.	2.0000	\$210.50	\$421.00 RSM19FAC L, E, B	P
23 01-54-36-50-1400	Mobilization or demobilization, delivery charge for equipment, hauled on 20-ton capacity towed trailer Mobilization and Demobilization of concrete equipment	Ea.	2.0000	\$613.00	\$1,226.00 RSM19FAC L, E, B	P
24 01-54-36-50-1500	Mobilization or demobilization, delivery charge for equipment, hauled on 40-ton capacity towed trailer Mobilization and demobilization of equipment required for all utility work	Ea.	2.0000	\$745.00	\$1,490.00 RSM19FAC L, E, B	P
25 01-54-36-50-1600	<b>Mobilization or demobilization, delivery charge for equipment, hauled on 50-ton capacity towed trailer</b>	Ea.	2.0000	\$2,170.00	\$4,340.00 RSM19FAC L, E, B	P
26 01-56-23-10-0500	<b>Barricades, plastic, 24" wide, foldable</b>	Ea.	15.0000	\$60.00	\$900.00 RSM19FAC M, B	P
27 01-56-23-10-0500	Barricades, plastic, 24" wide, foldable Traffic control plan and rental for 1 week	Ea.	30.0000	\$60.00	\$1,800.00 RSM19FAC M, B	P
28 01-56-23-10-0800	<b>Barricades, traffic cones, PVC, 18" high</b>	Ea.	45.0000	\$11.10	\$499.50 RSM19FAC M, B	P
29 01-56-23-10-1200	<b>Barricades, guardrail, portable metal with base pads, buy</b>	L.F.	150.0000	\$14.50	\$2,175.00 RSM19FAC M, B	P
30 01-56-23-10-1300	<b>Barricades, barricade tape, polyethylene, 7 mils thick, 3" wide x 300' long roll</b>	Ea.	15.0000	\$8.05	\$120.75 RSM19FAC M, B	P
31 01-56-23-10-3010	<b>Detour sign, reflective aluminum, MUTCD, 24" x 24", post mounted</b>	Ea.	3.0000	\$19.06	\$57.18 RSM19FAC M, L, B	P
32 01-56-26-50-0600	Temporary fencing, plastic safety fence, 4' high, light duty, posts at 10'	L.F.	225.0000	\$3.46	\$778.50 RSM19FAC M, L, B	P
<b>01 - General Requirements Total</b>						<b>\$50,205.94</b>

## 02 - Existing Conditions

33 02-41-13-30-4210	Minor site demolition, sidewalk, concrete, mesh reinforced, 5" thick, remove, S.Y. excludes hauling		15.0000	\$10.59	\$158.85 RSM19FAC L, E, B	P
34 02-41-19-19-3080	Selective demolition, rubbish handling, loading & trucking, machine loading truck, includes 2 mile haul, cost to be added to demolition cost	C.Y.	52.0000	\$17.55	\$912.60 RSM19FAC L, E, B	P

# Final Estimate

**Estimator: Amy Bricker**
**Combined estimates...**
**02 - Existing Conditions**

Item	Description	UM	Quantity	Unit Cost	Total	Book
35 02-41-19-20-0500	Selective demolition, dump charges, typical urban city, reclamation station, usual charge, includes tipping fees only	Ton	70.0000	\$74.00	\$5,180.00 RSM19FAC M, B	P
36 02-82-13-39-0200	<b>Asbestos remediation, plans and methods, lead abatement remediation plan</b>	Ea.	2.0000	\$1,350.00	\$2,700.00 RSM19FAC B	P
37 02-82-13-45-0130	OSHA testing, industrial hygienist, max Asbestos certified tech - required for ACP Tap	Day	3.0000	\$400.00	\$1,200.00 RSM19FAC B	P
<b>02 - Existing Conditions Total</b>						<b>\$10,151.45</b>

**03 - Concrete**

38 03-15-13-50-1050	<b>Waterstop, PVC, dumbbell type, center bulb, 3/8" thick x 9" wide</b>	L.F.	42.0000	\$12.13	\$509.46 RSM19FAC M, L, B	P
39 03-21-11-60-2750	Dowel cap, impalement protective, plastic, #4 to #9	Ea.	160.0000	\$2.26	\$361.60 RSM19FAC M, L, B	P
40 03-30-53-40-2100	Structural concrete, in place, elevated slab (4000 psi), flat plate, 125 psf superimposed load, 15' span, includes forms(4 uses), Grade 60 rebar, concrete (Portland cement Type I), placing and finishing	C.Y.	8.0000	\$654.00	\$5,232.00 RSM19FAC M, L, E, B	P
<b>03 - Concrete Total</b>						<b>\$6,103.06</b>

**06 - Wood, Plastics, and Composites**

41 06-16-26-10-0102	Underlayment, plywood, underlayment grade, 1/2" thick Trench Protection	S.F.	500.0000	\$1.81	\$905.00 RSM19FAC M, L, B	P
42 06-16-26-10-0102	Underlayment, plywood, underlayment grade, 1/2" thick trench protection	S.F.	500.0000	\$1.81	\$905.00 RSM19FAC M, L, B	P
<b>06 - Wood, Plastics, and Composites Total</b>						<b>\$1,810.00</b>

**22 - Plumbing**

43 22-05-76-20-5040	Cleanout tee, plastic tee, PVC, 4" pipe size, type DWV, excludes plug	Ea.	3.0000	\$88.50	\$265.50 RSM19FAC M, L, B	P
44 22-05-76-20-5120	Cleanout tee, plastic plug, PVC, 4" pipe size, type DWV, excludes tee	Ea.	3.0000	\$35.90	\$107.70 RSM19FAC M, L, B	P
45 22-11-13-23-1200	Pipe, copper, tubing, solder, 1" diameter, type K, includes coupling & clevis hanger assembly 10' OC	L.F.	42.0000	\$20.35	\$854.70 RSM19FAC M, L, B	P
46 22-11-13-23-1200-5140	<b>Labor adjustment factor (mechanical), general, add to labor for congested area, for Division 21, 22 and 23 only (Modified using 22-01-02-20-5140)</b>	L.F.	42.0000	\$1.15	\$48.30 RSM19FAC L, B	P

# Final Estimate

**Estimator: Amy Bricker**
**Combined estimates...**
**22 - Plumbing**

Item	Description	UM	Quantity	Unit Cost	Total	Book
47 22-11-13-74-1090	Pipe, plastic, PVC, high impact/pressure, 1" diameter, schedule 80, includes couplings 10' OC, and hangers 3 per 10'	L.F.	177.5000	\$24.05	\$4,268.88 RSM19FAC M, L, B	P
48 22-11-13-76-2280	Elbow, 45 Deg., plastic, PVC, socket joint, 1", schedule 80	Ea.	4.0000	\$33.90	\$135.60 RSM19FAC M, L, B	P
49 22-11-13-76-3060	Elbow, 45 Deg., plastic, PVC, white, socket joint, 4", schedule 40	Ea.	3.0000	\$76.00	\$228.00 RSM19FAC M, L, B	P
50 22-11-13-76-3460	Coupling, plastic, PVC, white, socket joint, 4", schedule 40	Ea.	12.0000	\$59.20	\$710.40 RSM19FAC M, L, B	P
51 22-11-13-76-4936	Wye, plastic, ABS, non-pressure, double, socket joint, 4", type DWV	Ea.	1.0000	\$255.00	\$255.00 RSM19FAC M, L, B	P
52 22-11-13-76-4956	Reducer, plastic, ABS, non-pressure, bushing, socket joint, 6" x 4", type DWV	Ea.	1.0000	\$148.00	\$148.00 RSM19FAC M, L, B	P
53 22-11-19-38-2700	Water supply meter, domestic/commercial, bronze, compound, flanged, to 1800 GPM, 8" diameter 16" x1" SAWS Domestic Meter Service Assembly	Ea.	1.0000	\$10,925.00	\$10,925.00 RSM19FAC M, L, B	P
54 22-11-19-38-2700-5140	<b>Labor adjustment factor (mechanical), general, add to labor for congested area, for Division 21, 22 and 23 only (Modified using 22-01-02-20-5140)</b> 16" x1" SAWS Domestic Meter Service Assembly	Ea.	1.0000	\$168.75	\$168.75 RSM19FAC L, B	P
<b>22 - Plumbing Total</b>						<b>\$18,115.83</b>

**23 - Heating, Ventilating, and Air-Conditioning (HVAC)**

55 23-05-93-50-0160	Pipe testing, nondestructive hydraulic pressure test, isolate, 1 hour hold, 1" to 4" pipe, 250-500 LF Prviate Santiarty sewer testing	Ea.	1.0000	\$640.00	\$640.00 RSM19FAC L, B	P
56 23-05-93-50-0160	Pipe testing, nondestructive hydraulic pressure test, isolate, 1 hour hold, 1" to 4" pipe, 250-500 LF Hydro test	Ea.	1.0000	\$640.00	\$640.00 RSM19FAC L, B	P
57 23-05-93-50-0160	Pipe testing, nondestructive hydraulic pressure test, isolate, 1 hour hold, 1" to 4" pipe, 250-500 LF Line item used for chlorination	Ea.	1.0000	\$640.00	\$640.00 RSM19FAC L, B	P
<b>23 - Heating, Ventilating, and Air-Conditioning (HVAC) Total</b>						<b>\$1,920.00</b>

**26 - Electrical**

58 26-05-19-90-1250	Wire, copper, stranded, 600 volt, #10, type THWN-THHN, normal installation conditions in wireway, conduit, cable tray	C.L.F.	2.7000	\$64.10	\$173.07 RSM19FAC M, L, B	P
59 26-05-19-90-1250	Wire, copper, stranded, 600 volt, #10, type THWN-THHN, normal installation conditions in wireway, conduit, cable tray	C.L.F.	66.0000	\$64.10	\$4,230.60 RSM19FAC M, L, B	P

# Final Estimate

**Estimator: Amy Bricker**
**Combined estimates...**
**26 - Electrical**

Item	Description	UM	Quantity	Unit Cost	Total	Book
60 26-05-26-80-0100	Grounding rod, copper clad, 10' long, 3/4" diameter	Ea.	1.0000	\$158.50	\$158.50 RSM19FAC M, L, B	P
61 26-05-26-80-0250	Ground clamp, bronze, 3/4" diameter	Ea.	1.0000	\$20.60	\$20.60 RSM19FAC M, L, B	P
62 26-05-26-80-0360	Ground wire, copper wire, bare solid, #6	C.L.F.	1.0000	\$86.50	\$86.50 RSM19FAC M, L, B	P
63 26-05-29-20-4150	Channel, steel, 12 gauge, 1-5/8" x 1-5/8"	L.F.	10.0000	\$15.90	\$159.00 RSM19FAC M, L, B	P
64 26-05-29-20-4250	Spring nuts, steel channel, long, 3/8"	Ea.	8.0000	\$5.51	\$44.08 RSM19FAC M, L, B	P
65 26-05-33-13-1770	Rigid galvanized steel conduit, 3/4" diameter, to 10' H, incl 2 terminations, 2 elbows, 11 beam clamps, and 11 couplings per 100 LF	L.F.	5.0000	\$10.74	\$53.70 RSM19FAC M, L, B	P
66 26-05-33-35-1090	Flexible metallic conduit, sealtite, 3/4" diameter	L.F.	6.0000	\$6.25	\$37.50 RSM19FAC M, L, B	P
67 26-05-33-35-1700	Flexible metallic conduit, sealtite, connectors, plain, 3/4" diameter	Ea.	1.0000	\$14.13	\$14.13 RSM19FAC M, L, B	P
68 26-05-33-35-2400	Flexible metallic conduit, sealtite, connectors, plain, 90 Deg., 3/4" diameter	Ea.	1.0000	\$16.35	\$16.35 RSM19FAC M, L, B	P
69 26-05-39-30-3250	PVC conduit, schedule 40, 3/4" diameter, in concrete slab, incl terminations, fittings and supports	L.F.	2.0000	\$2.67	\$5.34 RSM19FAC M, L, B	P
70 26-05-39-30-3250	PVC conduit, schedule 40, 3/4" diameter, in concrete slab, incl terminations, fittings and supports	L.F.	40.0000	\$2.67	\$106.80 RSM19FAC M, L, B	P
71 26-05-39-30-3440	PVC conduit, schedule 40, 4" diameter, in concrete slab, incl terminations, fittings and supports	L.F.	121.0000	\$14.31	\$1,731.51 RSM19FAC M, L, B	P
72 26-05-39-30-3950	PVC conduit, schedule 40, couplings, 4" diameter, in concrete slab	Ea.	12.0000	\$2.70	\$32.40 RSM19FAC M, L, B	P
73 26-24-16-20-0100	Circuit breakers, bolt-on, 10 k A I.C., 1 pole, 120 volt, 15-50 amp	Ea.	1.0000	\$66.90	\$66.90 RSM19FAC M, L, B	P
74 26-28-16-20-9010	Disconnect switch, 3 pole fusible, 30 amp, to 10 HP motor, 600 volt	Ea.	1.0000	\$495.00	\$495.00 RSM19FAC M, L, B	P
75 26-32-13-16-0200	Generator set, gas/gasoline, 3 phase 4 wire, 277/480 V, 7.5 kW, includes battery, charger, & muffler	Ea.	1.0000	\$10,306.00	\$10,306.00 RSM19FAC M, L, E, B	P
<b>26 - Electrical Total</b>						<b>\$17,737.98</b>

**28 - Electronic Safety and Security**

76 28-23-13-10-2400	Closed circuit television system (CCTV), industrial quality, one station (camera & monitor)	Total	2.0000	\$2,070.00	\$4,140.00 RSM19FAC M, L, B	P
77 28-23-13-10-2400-2620	Closed circuit television system (CCTV), industrial quality, for very low light, add (Modified using 28-23-13-10-2620)	Ea.	2.0000	\$3,478.00	\$6,956.00 RSM19FAC M, L, B	P

Estimator: Amy Bricker

Combined estimates...

28 - Electronic Safety and Security

Item	Description	UM	Quantity	Unit Cost	Total	Book
<b>28 - Electronic Safety and Security Total</b>						<b>\$11,096.00</b>
<b>31 - Earthwork</b>						
78 31-23-16-13-0050	Excavating, trench or continuous footing, common earth, 3/8 C.Y. excavator, B.C.Y. 1' to 4' deep, excludes sheeting or dewatering	6.0000	\$7.28	\$43.68 RSM19FAC L, E, B		P
79 31-23-16-13-1500	Excavating, trench or continuous footing, common earth, by hand with pick and shovel, 2' to 6' deep, heavy soil, excludes sheeting or dewatering excavate for gravel sump	2.0000	\$82.00	\$164.00 RSM19FAC L, B		P
80 31-23-16-14-0450	Excavating, chain trencher, utility trench, common earth, 12 HP, 6" wide, 36" deep, operator walking	121.0000	\$1.06	\$128.26 RSM19FAC L, E, B		P
81 31-23-16-14-0450	Excavating, chain trencher, utility trench, common earth, 12 HP, 6" wide, 36" deep, operator walking	177.5000	\$1.06	\$188.15 RSM19FAC L, E, B		P
82 31-23-16-14-0450-1450	Excavating, chain trencher, utility trench, common earth, 6" wide, 36" deep, L.F. backfill by hand, includes compaction, add (Modified using 31-23-16-14-1450)	121.0000	\$2.11	\$255.31 RSM19FAC L, E, B		P
83 31-23-16-14-0450-1450	Excavating, chain trencher, utility trench, common earth, 6" wide, 36" deep, L.F. backfill by hand, includes compaction, add (Modified using 31-23-16-14-1450)	177.5000	\$2.11	\$374.53 RSM19FAC L, E, B		P
84 31-23-16-14-0900	Excavating, chain trencher, utility trench, common earth, minimum labor/equipment charge	Job	1.0000	\$238.50 RSM19FAC L, E, B		P
	Electrical Trench					
85 31-23-16-16-0500	Structural excavation for minor structures, bank measure, heavy soil or clay, B.C.Y. 6' to 12' deep, hand pits	3.0000	\$109.00	\$327.00 RSM19FAC L, B		P
	Excavate to reach existing stub					
86 31-23-23-17-0600	Fill, gravel fill, compacted, under floor slabs, 6" deep	S.F.	75.0000	\$0.87	\$65.25 RSM19FAC M, L, E, B	P
87 31-25-14-16-1000	Synthetic erosion control, silt fence, install and maintain, remove, 3' high	L.F.	243.0000	\$1.44	\$349.92 RSM19FAC Grn, M, L, E, B	P
88 31-32-19-16-1510	Geosynthetic soil stabilization, geotextile fabric, woven, heavy duty, 600 lb. tensile strength	S.Y.	40.0000	\$2.04	\$81.60 RSM19FAC M, L, B	P
	Filter fabric					
<b>31 - Earthwork Total</b>						<b>\$2,216.20</b>
<b>32 - Exterior Improvements</b>						
89 32-92-19-14-1000	Seeding athletic fields, seeding bluegrass, common with mulch and fertilizer, 4 lb. per M.S.F., hydro or air seeding	42.0000	\$44.25	\$1,858.50 RSM19FAC M, L, E, B		P
90 32-96-23-43-0300	Moving trees, on site, 36" ball	Ea.	2.0000	\$370.50	\$741.00 RSM19FAC L, E, B	P

# Final Estimate

Estimator: Amy Bricker

Combined estimates...

32 - Exterior Improvements

Item	Description	UM	Quantity	Unit Cost	Total	Book
<b>32 - Exterior Improvements Total</b>						<b>\$2,599.50</b>
<b>33 - Utilities</b>						
91 33-05-97-05-0020	Utility connection, water, sanitary, stormwater, gas, single connection Private Sanitary Sewer Connection	Ea.	1.0000	\$5,445.00	\$5,445.00	RSM19FAC M, L, E, B P
92 33-05-97-05-0020	Utility connection, water, sanitary, stormwater, gas, single connection Private water utility connection	Ea.	1.0000	\$5,445.00	\$5,445.00	RSM19FAC M, L, E, B P
93 33-05-97-05-0020	Utility connection, water, sanitary, stormwater, gas, single connection Public Water Utility Connection	Ea.	1.0000	\$5,445.00	\$5,445.00	RSM19FAC M, L, E, B P
94 33-05-97-10-0500	Utility line signs, markers, and flags, underground tape, detectable, reinforced, aluminum foil core, 6", excludes excavation and backfill	C.L.F.	2.0000	\$38.35	\$76.70	RSM19FAC M, L, B P
95 33-05-97-10-0500	Utility line signs, markers, and flags, underground tape, detectable, reinforced, aluminum foil core, 6", excludes excavation and backfill	C.L.F.	2.0000	\$38.35	\$76.70	RSM19FAC M, L, B P
96 33-14-13-35-0100	Water supply distribution piping, piping HDPE, butt fusion joints, 40' lengths, 4" diameter, SDR 21	L.F.	42.0000	\$8.92	\$374.64	RSM19FAC M, L, E, B P
<b>33 - Utilities Total</b>						<b>\$16,863.04</b>
<b>Alternate</b>						
97 26-05-19-90-1200	Demo - Wire, copper, stranded, 600 volt, #12, type THWN-THHN, normal installation conditions in wireway, conduit, cable tray Labor Adjustment: 50% of \$43.50 = \$21.75	C.L.F.	20.0000	\$21.75	\$435.00	CUSTOM L, B P
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Using Bare Cost Pricing Bare Costs: (M:\$10.50 L:\$43.50 E: O:11.00 LH:0.727)						
(Repriced 7/16/2019) Labor Adjustment: 50% of \$43.50 = \$21.75						
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Using Bare Cost Pricing Bare Costs: (M:\$10.50 L:\$43.50 E: O:11.00 LH:0.727)						
98 Crew A-02	<b>A-02 Crew - 2019 - RSMeans Standard Books Bare Cost</b> A-02 (2019 - RSMeans Standard Books) Labor Hours: 24 Equip Hours: 8 Daily Hours: 24  Crew Details: Code: CLAB Description: Common Building Laborers Qty: 2 Hourly: 41.05 Daily: 656.8	Daily	2.0000	\$1,216.00	\$2,432.00	CUSTOM L, E, B P

# Final Estimate

**Estimator: Amy Bricker**
**Combined estimates...**
**Alternate**

Item	Description	UM	Quantity	Unit Cost	Total	Book
Code: TRLT Description: Truck Drivers, Light Qty: 1 Hourly: 45.5 Daily: 364 Code: 015433205450 Description: Flatbed Truck, Gas, 1.5 Ton Qty: 1 Hourly: 0 Daily: 195.2  Layout and placement of bolts to set the Portland Loo						
99 Crew A-02	A-02 Crew - 2019 - RSMeans Standard Books Bare Cost  A-02 (2019 - RSMeans Standard Books) Labor Hours: 24 Equip Hours: 8 Daily Hours: 24	Daily	2.0000	\$1,216.00	\$2,432.00	CUSTOM L, E, B P
Crew Details: Code: CLAB Description: Common Building Laborers Qty: 2 Hourly: 41.05 Daily: 656.8 Code: TRLT Description: Truck Drivers, Light Qty: 1 Hourly: 45.5 Daily: 364  Code: 015433205450 Description: Flatbed Truck, Gas, 1.5 Ton Qty: 1 Hourly: 0 Daily: 195.2						
100 Crew Q-01C	Q-01C Crew - 2019 - RSMeans Standard Books Bare Cost  Q-01C (2019 - RSMeans Standard Books) Labor Hours: 24 Equip Hours: 8 Daily Hours: 24	Daily	4.0000	\$3,187.16	\$12,748.64	CUSTOM L, E, B P
Crew Details: Code: PLUM Description: Plumbers Qty: 1 Hourly: 63.15 Daily: 505.2 Code: PLUM Description: Plumbers (Apprentice) Qty: 1 Hourly: 50.52 Daily: 404.16 Code: EQMD Description: Equipment Operators, Medium Equipment Qty: 1 Hourly: 55.1 Daily: 440.8 Code: 015433205200 Description: Trencher, Chain Type, 8' D Qty: 1 Hourly: 0 Daily: 1837  Tap 16" x 1" ACP - Remove 12" Valve and Plug tee, and 12" bend						
101 Portland Loo Unit Assembly	complete restroom assembly: Portland Loo Model	Ea.	1.0000	\$98,380.00	\$98,380.00	CUSTOM M, B N
<b>Alternate Total</b>						<b>\$116,427.64</b>
<b>Trades</b>						
102 ELEC	Electricians - 2019 RSMeans Facilities Base Rate  Lock out tag out and wire terminations	Hour	4.0000	\$60.05	\$240.20	Trades L, B P
<b>Trades Total</b>						<b>\$240.20</b>

**Final Estimate****Estimator: Amy Bricker****Combined estimates...**

Trades

Item	Description	UM	Quantity	Unit Cost	Total	Book
<b>Estimate Grand Total</b>						<b>241,205.15</b>