

Exhibit A



April 13, 2023

City of Portland, Parks
Attention: Robin Johnson Craig
1120 SW Fifth Avenue
Portland, OR 97204

RE: Mill Park Development Project CMGC Contractor Services

Attached herewith is our 70% Construction Design (CD) estimate. Our current recommended Guaranteed Maximum Price (GMP) for the work is **\$8,983,530.00**. The GMP is comprised of the following sub-components:

• General Conditions	\$ 1,358,710.00
• Reimbursable Costs	\$ 5,251,820.00
• CM/GC Fee	\$ 732,121.00
• CM/GC Bonds & Insurance	\$ 165,263.00
• Project Contingency Pre IFC	\$ 798,348.00
• Project Contingency Post IFC	\$ 677,268.00
• Subtotal GMP	\$ 8,983,530.0

This proposal has been prepared consistent with the terms and provisions set forth in General Conditions Section 1.05C Establishment of the Guaranteed Maximum Price. Both Deductive Alternate Subtotals include pro-rata deductions for CMGC Fee, Bonds & Insurance, and Project Contingency.

Included in support of this estimate are the following attachments:

1. Concise Bid Proposal
2. Estimate Recap
3. Direct Cost Detail
4. Unit Price Break Down
5. Escalation Calculation Sheet
6. Project Contingency Risk Matrix (Pre and Post IFC)

As always, we are willing to discuss any questions or concerns related to this proposal.

Sincerely,

Ashley Henry
Project Manager

Digitally signed by Ashley Henry
DN: C=US, E=ahenry@raimore.com,
O=Raimore Construction, OU=Project
Manager, CN=Ashley Henry
Date: 2023.05.17 08:40:39-07'00'

04/13/2023 10:45
 22007-1 Mill Park - 70% CD's
 *** ahenry

BID TOTALS

<u>Biditem</u>	<u>Description</u>	<u>Status - Rnd</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Bid Total</u>
100	General Conditions	U	1.000	LS	1,358,710.00	1,358,710.00
1000	Sitework Preparation	U	1.000	LS	970,980.00	970,980.00
2000	Site Improvements	U	1.000	LS	3,314,300.00	3,314,300.00
3000	Site Mechanical Improvements	U	1.000	LS	239,210.00	239,210.00
4000	Site Electrical Utilities	U	1.000	LS	692,600.00	692,600.00
11000	Subcontractor Bonds	U	1.000	LS	34,730.00	34,730.00
Bid Total =====>						\$6,610,530.00

ESTIMATE RECAP - BID QUANTITIES

	DIRECT	INDIRECT	TOTAL	% OF TOTAL
Labor	998,551.34		998,551.34	15.105%
Burden	698,583.24		698,583.24	10.568%
Lab+Bur	1,697,134.58		1,697,134.58	25.673%
Perm Matl	1,195,207.98		1,195,207.98	18.080%
Const Exp	309,434.89		309,434.89	4.681%
Equipment	375,243.85		375,243.85	5.676%
Subs	2,315,403.11		2,315,403.11	35.026%
Other	718,106.23		718,106.23	10.863%
Total Costs:	6,610,530.64		6,610,530.64	99.999%
% of Total	100.000%	0.000%	100.000%	

Escalation on:	Labor	Burden	Perm Matl	Const Matl	Co Eqp	Rented Eqp
	0	0	0	0	0	0
	100.00 %	100.00 %	100.00 %	100.00 %	100.00 %	100.00 %
	Eq Op Exp	Sub	OS/Equip	Trucking	Misc/Other	Total Escalation
	0	0	0	0	0	0
	100.00 %	100.00 %	100.00 %	100.00 %	100.00 %	100.00 %

* Data Below here is dependent on the Summary Process. *
The Summary Process was last run 04/13/2023 at 10:20 AM

Markup Addons

Incidental Overtime	% of Direct Labor	0.00	0.0000%
Subcontractors Bond (1.5%)	% of Total Sub	0.00	0.0000%
Gross Receipt Sales Tax	% of Job Value	0.00	0.0000%
Escalation	% of Job Value	0.00	0.0000%
Job Margin	Lump Sum	0.00	0.0000%
CMGC Fee	% of Cost, Mkup, & Prev Addons	0.00	0.0000%

MARKUP TOTALS ==> 0.00 0.0000%

Cost Addons

All Insurance % of Job Value 0.00 0.0000%

MARKUP, ADDON & BOND TOTALS ==> 0.00 0.0000%

===== (% of costs)

COST + MARKUP -----> \$6,610,530.64
(On Takeoff Quantity)

There * ARE NOT * closing accounts for this bid.

-Effect on Bid-

Rounding difference:

Unbalancing difference: 9.36 Adjusted

From Cut&Add Sheet-costs: (on Bid Quantity)

From Cut&Add Sheet-markup: (on Bid Quantity)

Pass Through Adjustments: None

22007-1

Mill Park - 70% CD's

*** ahenry

Net Adjustments (to the balanced bid): \$9.36 [or desired bid]

BALANCED BID TOTAL \$6,610,530.64

DESIRED BID (if specified)

BID TOTAL (on bid quantities) \$6,610,540.00

BID COSTS (on bid quantities) \$6,610,530.64

MARKUP (on bid quantities) \$9.36 0.000%

EXPECTED JOB VALUE (on takeoff quantities): \$6,610,540.00

EXPECTED COSTS (on takeoff quantities): \$6,610,530.64

EXPECTED MARKUP (on takeoff quantities): \$9.36 0.000%

Adjust to Bid Quantities = Y

On Takeoff Quantities

Labor Hrs. (MH/MHS) 13,885	0	13,885
(incl burden) 972,760	0	972,760

Labor (DAY/DAYS) 0	0	0
(incl burden) 0	0	0

Labor (OtherUnits) 724,373	0	724,373
(incl burden)		

Labor Burden 698,583	0	698,583
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Spread Indirects on:	Total Cost	Spread Markup on:	Total Cost
Spread Addons&Bond on:	Total Cost		

Key Indicators

Balanced Markup	/	Total Labor	=	Balanced Markup/Total Labor
0.00	/	1,697,134.58	=	0.00%

Indirect Cost	/	Direct Cost	=	Indirect Cost/Direct Cost
0.00	/	6,610,530.64	=	0.00%

Direct Manhours	+	Indirect Manhours	=	Total Manhours
13,885.00	+	0.00	=	13,885.00

----- ESTIMATE NOTES: -----

Bid Date: 05/18/2022

Owner:

Engr Firm:

Estimator-In-Charge: AH Desired Bid (if specified) = 0.00

Notes: ***** Estimate created on: 03/28/2022 by User#: 3 - dbarritt

Raimore Construction

04/13/2023

10:46

22007-1

Mill Park - 70% CD's

*** ahenry

Source estimate used: \\10.0.1.11\HCSS\EST\20003-A

*****Estimate created on: 05/11/2022 by User#: 3 - dbarritt

Source estimate used: H:\EST\22005

*****Estimate created on: 02/08/2023 by User#: 4 - ahenry

Source estimate used: H:\EST\22007

Last Summary on 04/13/2023 at 10:20 AM.

Last Spread on 04/13/2023 at 10:25 AM.

Activity	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 100											
Description =	General Conditions			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		1.000
100A	Mobilization			Quan:	1.00 LS	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
**Unreviewed											
Mobilize 10 pieces											
Break out for more detail											
9M300	Equipment Mobilization	1.00	10.00	EA	2,000.000			20,000			20,000
100B	Project Management			Quan:	12.00 MO	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
**Unreviewed											
Assume project date from August 2023-July 2024, 12 months											
883150	=> Pickup 3/4 tn, Gas (st	3.00	5,748.92	HR	18.830				108,252		108,252
XY01	=> Project Manager	1.00	12.00	MO	12,584.000	253,184					253,184
XY0201	=> Civil Superintendent	1.00	12.00	MO	10,500.000	211,288					211,288
XY0300	=> Field Engineer	1.00	12.00	MO	6,500.000	130,873					130,873
XY0402	=> Safety Engineer	0.25	3.00	MO	6,250.000	30,712					30,712
XY0600	=> Field Office Assistant	0.50	12.00	MO	5,000.000	98,318					98,318
\$832,626.07					[]	724,374			108,252		832,626
100C	Office Trailer			Quan:	12.00 MO	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
**Unreviewed											
Item priced for 2 trailers											
1st trailer to house 4 members of management staff											
2nd trailer to house meeetings and available for field staff if needed											
Price confirmed per Hogan trailer quote											
9ZF1005	Field Office Trailer, Rent	2.00	24.00	MO	1,100.000			26,400			26,400
100D	Construction Entrance			Quan:	1.00 LS	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
**Unreviewed											
1 day for install of construction entrance											
Geo textile fabric (1 roll = 5400SF)											
Use of excavator and loader for this item											
1 Construction entrance at 122nd											
EX0002	(Mod) PC 55 w/ 2/L			8.00	CH	Prod:	1.0000 S	Lab Pcs:	3.00	Eqp Pcs:	3.00
2BA002	Aggregate Subbase	1.00	20.00	TON	30.000		600				600
2BR010	Gabion Rock Fill (4"x10")	1.00	20.00	TON	30.000		600				600
2ET32	Woven Geotextile	1.00	1.00	EA	360.000		360				360
3ADD12	Small Tools & Supplies (12	1.00	1,650.00	LAB\$	0.120			198			198
3DCF03	Dump Fee-Dirt/Mix Materi	1.00	2.00	CY	30.000			60			60
7HR0016	Dump Truck Super	1.00	2.00	HR	160.000			320			320
7TN100	Haul Agg Subbase /Ton	1.00	40.00	TON	16.000			640			640
822055	Kom PC55/Cat 305/JD 60	1.00	8.00	HR	39.005				312		312
849400	Cat938/JD624/KomWA320	1.00	8.00	HR	91.297				730		730
882200	1 Ton Crew Truck	1.00	8.00	HR	25.713				206		206
LB0101	Laborer, General	1.00	8.00	MH	34.980	479					479
OE0503	Excavator Op, <20 Kip	1.00	8.00	MH	45.260	581					581
OE0504	Loader Op, <25 Kip	1.00	8.00	MH	45.260	581					581
TM0305	=> Water Truck, 5M - 10	1.00	4.00	MH	28.190	206					206
\$5,873.72	28.0000 MH/LS		28.00	MH	[1116.76]	1,848	1,560	1,218	1,248		5,874
100E	Project Safety			Quan:	12.00 MO	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
**Unreviewed											
For safety vests, hard hats, gloves, maskes, crew water and ice, ear plugs, PPE for visitors, and various project safety supplies											
9ZS52	Safety Supplies (Monthly)	1.00	12.00	MO	1,000.000			12,000			12,000
100F	Temp Facilities Utilites			Quan:	12.00 MO	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
**Unreviewed											
Furnishment of office furniture for both trailers, tables, chairs, desks, kitchen accessories, water, tea, coffee ect											

Activity	Desc	Quantity	Unit	Unit Cost	Labor	Perm	Constr	Equip	Sub-	Total
Resource		Pcs				Material	Matl/Exp	Ment	Contract	
BID ITEM = 100										
Description =	General Conditions		Unit =	LS	Takeoff	Quan:	1.000	Engr	Quan:	1.000
Office supplies, paper, pens, white boards, markers,ect										
Any computers that may need to be purchased for the project										
Internet set up, use for comcast or centry link install										
Pricing for all utilities, internet, electricity, water ect.										
Cleaning supplies										
Computer software for Procore										
9ZF19	Office Furniture Rental	1.00	12.00 MO	150.000			1,800			1,800
9ZF21	Office Supply Expense	1.00	12.00 MO	150.000			1,800			1,800
9ZF2205	Computer Equipment - Buy	1.00	1.00 LS	3,000.000			3,000			3,000
9ZF2206	Computer Software	1.00	1.00 LS	5,000.000			5,000			5,000
9ZF2207	Field IT Network Setup	1.00	1.00 LS	3,000.000			3,000			3,000
9ZF24	Photo Copier Rental	1.00	12.00 MO	100.000			1,200			1,200
9ZF3205	Field Office Utility Expense	1.00	12.00 MO	300.000			3,600			3,600
9ZF46	Project Cell Phone Expense	1.00	12.00 MO	300.000			3,600			3,600
9ZF50	Office Sanitary Expense	1.00	12.00 MO	300.000			3,600			3,600
\$26,600.00				[]			26,600			26,600
100G	Porta Potty		Quan:	12.00 MO	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Assumed 5 units for 12 months										
2 units at office trailer and 3 located and moved throughout the site as work progresses										
9ZF5005	Portable Toilet Rental	5.00	60.00 MO	200.000			12,000			12,000
100H	Security		Quan:	12.00 MO	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Security is for 12 hours a day even on weekends. Because this is a park and security is not anticipated for the day during the weekend.										
Security is priced at our current rate of 30\$ per hour, this item										
Per 100% Rate has increase to 35\$ per hour due to market increase										
35*7*12*365=152880										
152880/12 Mon=12740 per month										
Item priced at a 1.1 waste factor to include extra security for hollidays, weekends and additional events.										
6GB005	Site Security Services	1.10	12.18 MO	14,014.000			170,691			170,691
100I	Temp Lighting		Quan:	1.00 LS	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Price to cover temp hookups for 2 trailers										
4ELECT001	Electrical Subcontractor	1.00	1.00 LS	10,000.000					10,000	10,000
100J	Project Water		Quan:	1.00 LS	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Water Meter hookup, Assumed at 5000 MGAL,										
Based off historical pricing from other projects										
2UH06	6" Hydrant Ass'y w/ Valve	1.00	1.00 EA	1,580.000		1,580				1,580
3AW001	Construction Water Expens	1.00	12.00 MO	1,000.000			12,000			12,000
\$13,580.00				[]		1,580	12,000			13,580
100K	Site Survey		Quan:	1.00 LS	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Pre-construction site set up \$12,000										
ROW and constrol poing staking price assumed at 200 hours of S&F average of 130 per hour for all services = 26,000										
GIS Model and GIS system- 10,000										
Labor to run GIS system - 10 HRS per week for 12 months, 520 HRS										
6E002	Project Survey and Layout	1.00	1.00 LS	48,000.000			48,000			48,000
LB0101	=> Laborer, General	1.00	520.00 MH	34.980	31,119					31,119
\$79,119.26	520.0000 MH/LS		520.00 MH	[18189.6]	31,119		48,000			79,119
100L	QA/QC		Quan:	13.00 MO	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
										**Unreviewed

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 100										
Description =	General Conditions		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		1.000
Compaction, concrete, and rebar testing, JLD missed Assumed for 3k month and 25% of QC Manager										
6F010	Testing Laboratory Services	1.00	12.00 MO	3,000.000			36,000			36,000
XX05	=> Quality Control Manag	0.25	519.00 MH	63.460	63,819					63,819
\$99,818.60	39.9230 MH/MO		519.00 MH	[2533.518]	63,819		36,000			99,819
100M DEIP Management										
				Quan:	1.00 LS	Hrs/Shift:	8.00	Cal: 040	WC: OR001	
This is price is to include an independent contracted service to allow additional support for the CDIP and RWEA.										
4DEIPSUB	DEIPSUBCONTRACT	1.00	1.00 LS	50,000.000					50,000	50,000
====> Item Totals: 100 - General Conditions										
\$1,358,708.17	1,067.0000 MH/LS		1,067.00 MH	[52242.1]	821,159	3,140	364,909	109,500	60,000	1,358,708
1,358,708.170	1 LS				821,159.41	3,140.00	364,908.52	109,500.24	60,000.00	1,358,708.17

PARENT ITEM = 1000

Description = Sitework Preparation

Unit =

LS

Takeoff Quan:

1.000

Engr Quan:

1.000

Listing of Sub-Biditems of Parent Item 1000:**BID ITEM = 1010**

Description = Site Clearing

Unit =

LS

Takeoff Quan:

1.000

Engr Quan:

0.000

1010A 6" Clearing and Grubbing

Quan:

3,948.00 CY

Hrs/Shift:

8.00

Cal: 040

WC: OR001

****Unreviewed**

249,780 SF of clear and grub at 6" of removal per spec (Per Tim's Cals adjusted to 3948, added removal will be tracked through change)

=249780*.5/27= 4625 CY of removal (used a 1.4 waste factor to equal 6475 CY of removal

Deans current price of strippings 25\$ CY

6475/18 Yds * 2 Hr round trip = 720 trucking hours

Vac Truck to assist in RPZ areas

<u>DZ2212</u>	(Mod) Cat D6H Dozer/WT w/ 1/GS;2/L	136.00	CH	Prod:	17.0000 S	Lab Pcs:	5.00	Eqp Pcs:	3.25
3ADD12	Small Tools & Supplies (12	1.00	40,116.24 LAB\$	0.120		4,814			4,814
3DCG01	Dump Fee - Clearing/Stripe	1.40	5,527.20 CY	25.000		138,180			138,180
7HR0016	Dump Truck Super	6.00	5,527.20 CY	18.000		99,490			99,490
7HR0017	Vac Truck	1.00	34.00 HR	300.000		10,200			10,200
822200	KomPC228/Cat325/JD245	1.00	136.00 HR	74.872			10,183		10,183
850600	Cat D6/JD 850/Kom D65	1.00	136.00 HR	100.550			13,675		13,675
880400	Water Truck 2000 Gal,	0.25	34.00 HR	55.077			1,873		1,873
883200	Pickup 3/4 tn, Gas (fo	1.00	136.00 HR	22.883			3,112		3,112
LB002	Foreman, Laborer	1.00	136.00 MH	36.730	8,433				8,433
LB0101	Laborer, General	2.00	272.00 MH	34.980	16,278				16,278
OE0403	Excavator Op, >20=<80 Ki	1.00	136.00 MH	47.740	10,260				10,260
OE0407	Dozer Op, >20=<70 Kip D4	1.00	136.00 MH	47.740	10,260				10,260
\$326,755.92	0.1722 MH/CY		680.00 MH	[6.964]	45,230	252,684	28,842		326,756

1010B Tree Removal/Stump Removal

Quan:

40.00 EA

Hrs/Shift:

8.00

Cal: 040

WC: OR001

****Unreviewed**

40 Tree removals

Removal of 40 trees including the stump removals of necessary trees TBD onsite, Understood some trees stumps will be grind and left in place onsite

10 shifts also includes trees that will be pruned per direction of arborist

Assume to chip trees and use product on site

<u>EX0212</u>	(Mod) PC 88 w/ 1/F:2/L	80.00	CH	Prod:	10.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00
3ADD12	Small Tools & Supplies (12	1.00	13,982.00 EA	0.120		1,678			1,678
3DCG01	Dump Fee - Clearing/Stripe	1.00	275.00 CY	20.000		5,500			5,500

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Perm Labor	Constr Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 1010											
Description =	Site Clearing			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
7HR0016	Dump Truck Super	1.00	275.00	CY	18.000			4,950			4,950
822099	=> Wood Chipper	1.00	2.00	WK	2,000.000				4,000		4,000
822200	KomPC228/Cat325/JD245	1.00	80.00	HR	74.872				5,990		5,990
883200	Pickup 3/4 tn, Gas (fo	1.00	80.00	HR	22.883				1,831		1,831
LB002	Foreman, Laborer	1.00	80.00	MH	36.730	4,961					4,961
LB0101	Laborer, General	1.00	80.00	MH	34.980	4,788					4,788
OE0302	Excavator Op, >80=<130 K	1.00	80.00	MH	47.740	6,035					6,035
\$39,731.71	6.0000 MH/EA		240.00	MH	[238.9]	15,783		12,128	11,820		39,732
1010D	Onsite Arborist			Quan:	80.00 HR	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
Certified Arborist, plug number, currently \$210/hr Terragon pricing @ 80 Hours											
Price for \$220 per hour											
Price could be tracked as an allowance											
4LAND	Landscape Sub	1.00	80.00	HR	220.000				17,600		17,600
1010E	Tree Protection Chain Link			Quan:	3,779.00 LF	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
Rental, Install, Maintain and Remove for 13 months: 6x10 Chain Link Temp Panels (3779 LF, SCS price of 2.50 a 12' panel per month)											
12 shfits to install, maintain and remvoe											
<u>EX0002</u>	(Mod) PC 55 w/ 2/L		96.00	CH	Prod:	12.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
3ADD12	Small Tools & Supplies (12	1.00	17,335.80	LAB\$	0.120		2,080				2,080
3ZJKB100	Temp Tree Protection Fence	1.00	3,779.00	LF	2.710		10,241				10,241
822055	Kom PC55/Cat 305/JD 60	1.00	96.00	HR	39.005			3,744			3,744
882200	1 Ton Crew Truck	1.00	96.00	HR	25.713			2,468			2,468
LB0101	Laborer, General	2.00	192.00	MH	34.980	11,490					11,490
OE0504	Loader Op, <25 Kip	1.00	96.00	MH	45.260	6,976					6,976
\$37,000.65	0.0762 MH/LF		288.00	MH	[2.927]	18,466		12,321	6,213		37,001
1010F	Temp Fence			Quan:	2,000.00 LF	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
Rental and Maintain assumed sub will install and take downn for 12 months: 6x10 Chain Link Temp Panels (2000 LF, SCS price of 2.50 a 12' panel per month)											
<u>EX0002</u>	(Mod) PC 55 w/ 2/L		24.00	CH	Prod:	3.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
3ADD12	Small Tools & Supplies (12	1.00	5,500.00	LAB\$	0.120		660				660
3ZJKB104	Temp Fence	1.00	2,000.00	LF	2.710		5,420				5,420
822055	Kom PC55/Cat 305/JD 60	1.00	24.00	HR	39.005			936			936
882200	1 Ton Crew Truck	1.00	24.00	HR	25.713			617			617
LB0101	Laborer, General	2.00	48.00	MH	34.980	2,873					2,873
OE0504	Loader Op, <25 Kip	1.00	24.00	MH	45.260	1,744					1,744
\$12,249.81	0.0360 MH/LF		72.00	MH	[1.383]	4,617		6,080	1,553		12,250
====> Item Totals: 1010 - Site Clearing											
\$433,338.09	1,280.0000 MH/LS		1,280.00	MH	[50877.52]	84,097		283,213	48,429	17,600	433,338
433,338.090	1 LS					84,096.72		283,212.78	48,428.59	17,600.00	433,338.09

BID ITEM = 1020

Description = Site Demolition and Relocations Unit = LS Takeoff Quan: 1.000 Engr Quan: 0.000

1020A	Misc Demo			Quan:	1.00 EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
Electrical cabinet , 2 hours to remove and dispose electrical cabinet and any other misc items											
2 Hours for a crew to remove. Electrical subcontractor plug number to disconnect.											
<u>EX0002</u>	(Mod) PC 55 w/ 2/L		2.00	CH	Prod:	0.2500 S	Lab Pcs:	2.00	Eqp Pcs:	2.00	
3ADD12	Small Tools & Supplies (12	1.00	264.00	LAB\$	0.120		32				32
3DDB	Dump Fee - Misc Demo/De	1.00	1.00	CY	20.000		20				20

Direct Cost Report

Activity	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 1020											
Description =	Site Demolition and Relocations			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
4ELECT001	Electrical Subcontractor	1.00	1.00	LS	500.000					500	500
822055	Kom PC55/Cat 305/JD 60	1.00	2.00	HR	39.005				78		78
882200	1 Ton Crew Truck	1.00	2.00	HR	25.713				51		51
LB0101	Laborer, General	1.00	2.00	MH	34.980	120					120
OE0503	Excavator Op, <20 Kip	1.00	2.00	MH	45.260	145					145
\$946.12	4.0000 MH/EA		4.00	MH	[160.48]	265		52	129	500	946
1020B	Utilities Demo				Quan:	2.00 EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001	**Unreviewed
Assume water, sewer, and gas, 3 days to cut and cap utilities, TBD utilities in the building that will be demoed.											
Building utilites are still unknown											
Assume 2 days of a crew to perform this work											
EX0002	(Mod) PC 55 w/ 2/L		16.00	CH	Prod:	2.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
3ADD12	Small Tools & Supplies (12	1.00	3,073.00	LAB\$	0.120		369				369
822055	Kom PC55/Cat 305/JD 60	1.00	16.00	HR	39.005				624		624
882200	1 Ton Crew Truck	1.00	16.00	HR	25.713				411		411
LB0101	Laborer, General	2.00	32.00	MH	34.980	1,915					1,915
OE0503	Excavator Op, <20 Kip	1.00	16.00	MH	45.260	1,163					1,163
\$4,481.96	24.0000 MH/EA		48.00	MH	[921.76]	3,078		369	1,035		4,482
1020C	Pavement Demo				Quan:	226.00 CY	Hrs/Shft:	8.00	Cal: 040	WC: OR001	**Unreviewed
Assumed 6" of pavement removal for parking lot. 12,228 SF = 1*.5/27= 226 CY of removal.											
EX2012	PC 200 w/ 1/F;2/L		16.00	CH	Prod:	2.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
3ADD12	Small Tools & Supplies (12	1.00	3,154.96	LAB\$	0.120		379				379
3DAC	Dump Fee Asphalt	1.60	361.60	CY	5.000		1,808				1,808
7HR0016	Dump Truck Super	1.00	361.60	CY	18.000		6,509				6,509
822160	Kom PC138/Cat 315/JD 1	1.00	16.00	HR	50.871				814		814
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00	HR	22.883				366		366
LB002	Foreman, Laborer	1.00	16.00	MH	36.730	992					992
LB0101	Laborer, General	1.00	16.00	MH	34.980	958					958
OE0403	Excavator Op, >20=<80 Ki	1.00	16.00	MH	47.740	1,207					1,207
\$13,032.12	0.2123 MH/CY		48.00	MH	[8.457]	3,157		8,695	1,180		13,032
1020D	Fence Demo				Quan:	90.00 LF	Hrs/Shft:	8.00	Cal: 040	WC: OR001	**Unreviewed
Removal of 90 LF											
Machine use to pull posts, anticipated 2 trucks of removal and disposal											
Loader for handling of material											
EX2012	PC 200 w/ 1/F;2/L		8.00	CH	Prod:	1.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
3ADD12	Small Tools & Supplies (12	1.00	1,554.00	LAB\$	0.120		186				186
3DDB	Dump Fee - Misc Demo/De	1.00	2.00	CY	20.000		40				40
7HR0016	Dump Truck Super	1.00	2.00	CY	18.000		36				36
822160	Kom PC138/Cat 315/JD 1	1.00	8.00	HR	50.871				407		407
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00	HR	22.883				183		183
LB002	Foreman, Laborer	1.00	8.00	MH	36.730	496					496
LB0101	Laborer, General	1.00	8.00	MH	34.980	479					479
OE0403	Excavator Op, >20=<80 Ki	1.00	8.00	MH	47.740	604					604
\$2,430.84	0.2666 MH/LF		24.00	MH	[10.618]	1,578		262	590		2,431
1020F	Bollard Removal				Quan:	18.00 EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001	**Unreviewed
Removal of 18 bollards at park entrances											
Bollards located at each entrance (except 122nd)											
1/2 day to remove and dispose of bollards											
EX2012	PC 200 w/ 1/F;2/L		4.00	CH	Prod:	0.5000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
3ADD12	Small Tools & Supplies (12	1.00	822.71	LAB\$	0.100		82				82
3DDB	Dump Fee - Misc Demo/De	1.00	1.00	CY	20.000		20				20
7HR0016	Dump Truck Super	1.00	1.00	CY	18.000		18				18

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 1020										
Description =	Site Demolition and Relocations		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
822160	Kom PC138/Cat 315/JD 1	1.00	4.00 HR	50.871				203		203
883200	Pickup 3/4 tn, Gas (fo	1.00	4.00 HR	22.883				92		92
LB002	Foreman, Laborer	1.00	4.00 MH	36.730	248					248
LB0101	Laborer, General	1.00	4.00 MH	34.980	239					239
OE0403	Excavator Op, >20=<80 Ki	1.00	4.00 MH	47.740	302					302
\$1,204.45	0.6666 MH/EA		12.00 MH	[26.544]	789		120	295		1,204
1020G	ROW Demo		Quan:	8.00 CY	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
500SF of sidewalk removal= 500*(4/12)/27=6.17cy of ROW Sidewalk removal, ROW area off 122nd										
651 SF = 8 CY										
EX0002	(Mod) PC 55 w/ 2/L		8.00 CH	Prod:	1.0000 S	Lab Pcs:	2.00	Eqp Pcs:	2.00	
3ADD12	Small Tools & Supplies (12	1.00	1,263.00 LAB\$	0.120		152				152
3DACC	Dump Fee - AC & Concrete	1.00	9.08 CY	10.000		91				91
6SAC01	AC Saw Rental (O&M) /H	1.00	2.00 HR	75.000		150				150
7HR0016	Dump Truck Super	1.00	9.08 CY	18.000		163				163
822055	Kom PC55/Cat 305/JD 60	1.00	8.00 HR	39.005				312		312
882200	1 Ton Crew Truck	1.00	8.00 HR	25.713				206		206
LB0101	Laborer, General	1.00	8.00 MH	34.980	479					479
OE0503	Excavator Op, <20 Kip	1.00	8.00 MH	45.260	581					581
\$2,133.64	2.0000 MH/CY		16.00 MH	[80.24]	1,060		556	518		2,134
1020H	Drywell Removal/Decommissionin		Quan:	2.00 EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
3 Shifts to vac out 2 drywells, depth unknown located in existing parking lot, CLSM and decommission drywells. Work to be performed after new septic system is in place. (20 YDS OF CDF to cover 1/2 CY per ft)										
EX0012	(Mod) PC 55 w/ 1/F;2/L		24.00 CH	Prod:	3.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
2CDF300	CDF Material, 300 psi	1.00	20.00 CY	200.000		4,000				4,000
3ADD12	Small Tools & Supplies (12	1.00	4,700.00 LAB\$	0.120		564				564
3DAC	Dump Fee Asphalt	1.00	15.00 CY	15.000		225				225
7HR0016	Dump Truck Super	1.00	8.00 HR	160.000		1,280				1,280
7HR0017	Vac Truck	1.00	8.00 HR	300.000		2,400				2,400
822055	Kom PC55/Cat 305/JD 60	1.00	24.00 HR	39.005				936		936
883200	Pickup 3/4 tn, Gas (fo	1.00	24.00 HR	22.883				549		549
LB002	Foreman, Laborer	1.00	24.00 MH	36.730	1,488					1,488
LB0101	Laborer, General	1.00	24.00 MH	34.980	1,436					1,436
OE0503	Excavator Op, <20 Kip	1.00	24.00 MH	45.260	1,744					1,744
\$14,622.87	36.0000 MH/EA		72.00 MH	[1403.64]	4,669	4,000	4,469	1,485		14,623
=====> Item Totals: 1020 - Site Demolition and Relocations										
\$38,852.00	224.0000 MH/LS		224.00 MH	[8797.8]	14,596	4,000	14,523	5,233	500	38,852
38,852.000	1 LS				14,595.64	4,000.00	14,523.39	5,232.97	500.00	38,852.00

BID ITEM = 1021

Description = Building Demo

Unit =

LS

Takeoff Quan:

1.000

Engr Quan:

0.000

1021A	Building Demo		Quan:	1.00 LS	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
**Unreviewed										
\$14 SF for building removal, Building is 4500 SF per foot = 4500*2 = 126000 + 5000 Basement Removal added \$5000 Original quote, reduced to 118K Price from Merrit Contractors										
4DEMO005	Building Demolition Sub	1.00	1.00 LS	118,000.000				118,000		118,000

Direct Cost Report

Activity	Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 1030												
Description =		Site Earthwork		Unit =		LS	Takeoff Quan:		1.000	Engr Quan:		0.000
Pricing includes excavation, disposal, import of rock, grade and fine grade except for community garden and mulch area.												
1030A	Inlet Protection			Quan:	9.00 EA	Hrs/Shift:	8.00	Cal:	040	WC:	OR001	
												**Unreviewed
Install, maintain and remove inlet protection for duration of project.												
Includes bio bags and witches hats												
LAB012	PU w/ 2/L		8.00	CH	Prod:	1.0000 S	Lab Pcs:	2.00	Eqp Pcs:	1.00		
2E0095	Inlet Protection	1.00	9.00	EA	170.000	1,530						1,530
3ADD12	Small Tools & Supplies (12	1.00	957.00	LAB\$	0.120			115				115
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00	HR	22.883				183			183
LB0101	Laborer, General	2.00	16.00	MH	34.980	958						958
\$2,785.41	1.7777 MH/EA		16.00	MH	[62.187]	958	1,530	115	183			2,785
1030B	Sediment Fence			Quan:	3,380.00 LF	Hrs/Shift:	8.00	Cal:	040	WC:	OR001	
												**Unreviewed
Assumed 7 shifts to install correctly using a trencher.												
Machine item is assumed as a trencher.												
Loader is added to assist with rock placement as needed												
3380 per 70% CD's												
EX0012	(Mod) PC 55 w/ 1/F;2/L		56.00	CH	Prod:	7.0000 S	Lab Pcs:	4.00	Eqp Pcs:	2.25		
3ADD12	Small Tools & Supplies (12	1.00	15,300.00	LAB\$	0.120			1,836				1,836
3E0001	Silt Fence	1.00	3,378.00	LF	1.000			3,378				3,378
822055	Kom PC55/Cat 305/JD 60	1.00	56.00	HR	39.005				2,184			2,184
822055.1	=> Trencher	1.00	56.00	HR	30.000				1,680			1,680
880400	Water Truck 2000 Gal,	0.25	14.00	HR	55.077				771			771
883200	Pickup 3/4 tn, Gas (fo	1.00	56.00	HR	22.883				1,281			1,281
LB002	Foreman, Laborer	1.00	56.00	MH	36.730	3,473						3,473
LB0101	Laborer, General	2.00	112.00	MH	34.980	6,703						6,703
OE0503	Excavator Op, <20 Kip	1.00	56.00	MH	45.260	4,069						4,069
\$25,375.41	0.0662 MH/LF		224.00	MH	[2.518]	14,245		5,214	5,917			25,375
1030C	Backfill of Building Area			Quan:	750.00 CY	Hrs/Shift:	8.00	Cal:	040	WC:	OR001	
												**Unreviewed
Backfill of building basement												
2000sf*10ft = 750 CY												
EX0212	(Mod) PC 88 w/ 1/F;2/L		16.00	CH	Prod:	2.0000 S	Lab Pcs:	3.00	Eqp Pcs:	4.50		
2BA040	Aggregate Base (3/4" - 0")	1.20	1,260.33	TON	30.000	37,810						37,810
3ADD12	Small Tools & Supplies (12	1.00	3,100.00	LAB\$	0.120			372				372
7TN100	Haul Agg Subbase /Ton	1.00	1,260.33	TON	16.000			20,165				20,165
822205	Komatsu PC228 w/ Hoe P	2.00	32.00	HR	76.517				2,449			2,449
855840	84" Vib Pad Roller, 1	0.50	8.00	HR	60.990				488			488
880400	Water Truck 2000 Gal,	1.00	16.00	HR	55.077				881			881
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00	HR	22.883				366			366
LB002	Foreman, Laborer	1.00	16.00	MH	36.730	992						992
LB0101	Laborer, General	1.00	16.00	MH	34.980	958						958
OE0302	Excavator Op, >80=<130 K	1.00	16.00	MH	47.740	1,207						1,207
\$65,687.64	0.0640 MH/CY		48.00	MH	[2.548]	3,157	37,810	20,537	4,184			65,688
1030D	4" Sidewalk Ex/Grade			Quan:	110.00 CY	Hrs/Shift:	8.00	Cal:	040	WC:	OR001	
												**Unreviewed
Excavation and grade of 4" concrete paving												
10" depth total but first 6" captured in clear and grub												
Excavation=.33*8982= 110 CY of removal												
176LCY/18= 10 LDS @ 2 HR												
Place 6" of agg base = 8982*.5/27*1.4=233 Banked Tons												
Assumed that 2 operators with 2 machines, will be excavating and placing agg												
Slower process due to various areas												
EX2012	PC 200 w/ 1/F;2/L		24.00	CH	Prod:	3.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00		
2BA040	Aggregate Base (3/4" - 0")	1.40	326.20	TON	30.000	9,786						9,786

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 1030										
Description =	Site Earthwork		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
3ADD12	Small Tools & Supplies (12	1.00	8,000.00 LAB\$	0.120			960			960
3DCF01	Dump Fee - Excess Excavat	0.10	11.00 CY	15.000			165			165
7HR0016	Dump Truck Super	1.00	11.00 CY	18.000			198			198
7TN100	Haul Agg Subbase /Ton	1.40	326.20 TON	16.000			5,219			5,219
822160	Kom PC138/Cat 315/JD 1	1.00	24.00 HR	50.871				1,221		1,221
883200	Pickup 3/4 tn, Gas (fo	1.00	24.00 HR	22.883				549		549
889974	=> Plate Compactor	2.00	48.00 HR	15.000				720		720
LB002	Foreman, Laborer	1.00	24.00 MH	36.730	1,488					1,488
LB0101	Laborer, General	1.00	24.00 MH	34.980	1,436					1,436
OE0403	Excavator Op, >20=<80 Ki	1.00	24.00 MH	47.740	1,811					1,811
\$23,553.31	0.6545 MH/CY		72.00 MH	[26.062]	4,735	9,786	6,542	2,490		23,553
1030E 6" Concrete Paving All Types Ex/Grade Quan: 958.00 CY Hrs/Shft: 8.00 Cal: 040 WC: OR001										
Excavation and grade of all 6" concrete paving= 51,706SF										
Excavation of 12", First 6" captured in the clear and grub										
=51706*.5/27= 958 BCY of removal										
1533/18*2= 170 Trucking HRS										
6" Agg base = 51706*.5/27=958*1.4=1341 Banked tons										
Same logic as 4" excavation, with 2 operators each with one laborer and a foreman										
EX2012	PC 200 w/ 1/F;2/L		176.00 CH	Prod:	22.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
2BA040	Aggregate Base (3/4" - 0")	1.40	1,564.50 TON	30.000	46,935					46,935
3ADD12	Small Tools & Supplies (12	1.00	57,100.00 LAB\$	0.120		6,852				6,852
3DCF01	Dump Fee - Excess Excavat	0.10	95.80 CY	15.000		1,437				1,437
7HR0016	Dump Truck Super	1.00	95.80 CY	18.000		1,724				1,724
7TN100	Haul Agg Subbase /Ton	1.00	1,564.50 TON	16.000		25,032				25,032
822160	Kom PC138/Cat 315/JD 1	1.00	176.00 HR	50.871				8,953		8,953
883200	Pickup 3/4 tn, Gas (fo	1.00	176.00 HR	22.883				4,027		4,027
889974	=> Plate Compactor	0.25	44.00 HR	15.000				660		660
LB002	Foreman, Laborer	1.00	176.00 MH	36.730	10,914					10,914
LB0101	Laborer, General	1.00	176.00 MH	34.980	10,533					10,533
OE0403	Excavator Op, >20=<80 Ki	1.00	176.00 MH	47.740	13,277					13,277
\$130,344.70	0.5511 MH/CY		528.00 MH	[21.945]	34,724	46,935	35,045	13,641		130,345
1030G Concrete Retaining Wall Ex/Grade/Backfil Quan: 18.00 CY Hrs/Shft: 8.00 Cal: 040 WC: OR001										
4.38 SF of side profile @ 2ft depth and 2'8" base										
92 LF of retaining wall										
Assume first 6" included in clear and grub										
EX= 2*2.67*92/27=18BCY										
6" agg base = 92*2*.5/27*1.4=5 Tons										
EX2012	PC 200 w/ 1/F;2/L		12.00 CH	Prod:	1.5000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
2BA040	Aggregate Base (3/4" - 0")	1.40	7.50 TON	30.000	225					225
3ADD12	Small Tools & Supplies (12	1.00	2,400.00 LAB\$	0.120		288				288
3DCF01	Dump Fee - Excess Excavat	0.10	1.80 CY	15.000		27				27
7HR0016	Dump Truck Super	1.00	1.80 CY	18.000		32				32
7TN100	Haul Agg Subbase /Ton	1.40	7.50 TON	16.000		120				120
822160	Kom PC138/Cat 315/JD 1	1.00	12.00 HR	50.871				610		610
883200	Pickup 3/4 tn, Gas (fo	1.00	12.00 HR	22.883				275		275
889974	=> Plate Compactor	0.20	3.00 HR	15.000				45		45
LB002	Foreman, Laborer	1.00	12.00 MH	36.730	744					744
LB0101	Laborer, General	1.00	12.00 MH	34.980	718					718
OE0403	Excavator Op, >20=<80 Ki	1.00	12.00 MH	47.740	905					905
\$3,989.96	2.0000 MH/CY		36.00 MH	[79.633]	2,368	225	467	930		3,990
1030H Mortar Set Pavers Excavation Quan: 74.00 CY Hrs/Shft: 8.00 Cal: 040 WC: OR001										

3420 SF

13" of total ex Assumed first 6" included in clear and grub

Direct Cost Report

Activity	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm	Constr	Equip	Sub-Contract	Total
Resource							Matl/Exp		Ment		
BID ITEM = 1030											
Description =	Site Earthwork			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
3420*.583/27 = 74BCY of remvoal											
118/18*2= 13 HRS of trucking											
6" agg base = .5*3420/27*1.4= 89 Banked tons											
EX0012	(Mod) PC 55 w/ 1/F;2/L			16.00	CH	Prod:	4.6250	UH	Lab Pcs:	3.00	Eqp Pcs: 3.50
2BA040	Aggregate Base (3/4" - 0")	1.40	124.60	TON		30.000	3,738				3,738
3ADD12	Small Tools & Supplies (12	1.00	2,900.00	LAB\$		0.120			348		348
3DCF01	Dump Fee - Excess Excavat	0.10	7.40	CY		15.000			111		111
7HR0016	Dump Truck Super	1.00	7.40	CY		18.000			133		133
7TN100	Haul Agg Subbase /Ton	1.40	124.60	TON		16.000		1,994			1,994
822055	Kom PC55/Cat 305/JD 60	1.00	16.00	HR		39.005			624		624
855340	47" Vib Rock Roller, 2	1.00	16.00	HR		20.783			333		333
880400	Water Truck 2000 Gal,	0.50	8.00	HR		55.077			441		441
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00	HR		22.883			366		366
LB002	Foreman, Laborer	1.00	16.00	MH		36.730	992				992
LB0101	Laborer, General	1.00	16.00	MH		34.980	958				958
OE0503	Excavator Op, <20 Kip	1.00	16.00	MH		45.260	1,163				1,163
\$11,199.49	0.6486 MH/CY		48.00	MH		[25.291]	3,112	3,738	2,586	1,763	11,199
1030I	Safety Tile Surface Ex			Quan:	123.00	CY	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed											
4802SF											
14.25" OF EX first 6" included in clear and grub											
=4802*.69/27=123bcy											
=197/18*2=22 trucking hours											
Agg base 6" = 4802*.5/27*1.4=124 banked tons											
EX2012	PC 200 w/ 1/F;2/L			28.00	CH	Prod:	3.5000	S	Lab Pcs:	3.00	Eqp Pcs: 2.00
2BA002	Aggregate Subbase	1.40	145.83	TON		30.000	4,375				4,375
3ADD12	Small Tools & Supplies (12	1.00	5,520.00	LAB\$		0.120			662		662
3DCF01	Dump Fee - Excess Excavat	0.10	12.31	CY		15.000			185		185
7HR0016	Dump Truck Super	1.00	12.31	CY		18.000			222		222
7TN100	Haul Agg Subbase /Ton	1.00	145.83	TON		16.000		2,333			2,333
822160	Kom PC138/Cat 315/JD 1	1.00	28.00	HR		50.871			1,424		1,424
883200	Pickup 3/4 tn, Gas (fo	1.00	28.00	HR		22.883			641		641
LB002	Foreman, Laborer	1.00	28.00	MH		36.730	1,736				1,736
LB0101	Laborer, General	1.00	28.00	MH		34.980	1,676				1,676
OE0403	Excavator Op, >20=<80 Ki	1.00	28.00	MH		47.740	2,112				2,112
\$15,366.11	0.6829 MH/CY		84.00	MH		[27.192]	5,524	4,375	3,402	2,065	15,366
1030J	Synthetic Turf Surfacing Grade Only			Quan:	32.00	TN	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed											
Excavation covered in clear and grub											
2450 SF with 3" of agg base											
=2450*.25/27*1.4 tons											
EX2012	PC 200 w/ 1/F;2/L			4.00	CH	Prod:	0.5000	S	Lab Pcs:	3.00	Eqp Pcs: 2.00
2BA040	Aggregate Base (3/4" - 0")	1.40	37.33	TON		30.000	1,120				1,120
3ADD12	Small Tools & Supplies (12	1.00	1,139.98	LAB\$		0.120			137		137
7TN100	Haul Agg Subbase /Ton	1.00	37.33	TON		16.000		597			597
822160	Kom PC138/Cat 315/JD 1	1.00	4.00	HR		50.871			203		203
883200	Pickup 3/4 tn, Gas (fo	1.00	4.00	HR		22.883			92		92
889974	=> Plate Compactor	1.00	2.00	HR		15.000			30		30
LB002	Foreman, Laborer	1.00	4.00	MH		36.730	248				248
LB0101	Laborer, General	1.00	4.00	MH		34.980	239				239
OE0403	Excavator Op, >20=<80 Ki	1.00	4.00	MH		47.740	302				302
\$2,968.16	0.3750 MH/TN		12.00	MH		[14.931]	789	1,120	734	325	2,968
1030K	Concrete Header Ex/Grade			Quan:	5.00	CY	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed											
First 6" captured in clear and grub											
12"-49LF = 1*.5*49/27= 1 cy											

Direct Cost Report

Activity	Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm	Material	Constr	Matl/Exp	Equip	Ment	Sub-Contract	Total
BID ITEM = 1030															
Description =		Site Earthwork			Unit =	LS	Takeoff	Quan:		1.000		Engr	Quan:		0.000
6"-385LF =4CY															
Agg base = 49*1*.5/27*1.4=1.5 tons															
385*.5*.5/27*1.4= 5 tons															
<u>EX2012</u>	PC 200 w/ 1/F;2/L			2.00	CH	Prod:	0.2500	S		Lab Pcs:		3.00		Eqp Pcs:	2.00
2BA040	Aggregate Base (3/4" - 0")	1.40	7.58	TON		30.000			227						227
3ADD12	Small Tools & Supplies (12	1.00	500.00	LAB\$		0.120				60					60
3DCF01	Dump Fee - Excess Excavat	0.10	0.50	CY		15.000				8					8
7HR0016	Dump Truck Super	1.00	0.50	CY		18.000				9					9
7TN100	Haul Agg Subbase /Ton	1.00	7.58	TON		16.000				121					121
822160	Kom PC138/Cat 315/JD 1	1.00	2.00	HR		50.871						102			102
883200	Pickup 3/4 tn, Gas (fo	1.00	2.00	HR		22.883						46			46
889974	==> Plate Compactor	0.50	1.00	HR		15.000						15			15
LB002	Foreman, Laborer	1.00	2.00	MH		36.730	124								124
LB0101	Laborer, General	1.00	2.00	MH		34.980	120								120
OE0403	Excavator Op, >20=<80 Ki	1.00	2.00	MH		47.740	151								151
\$982.25	1.2000 MH/CY		6.00	MH		[47.78]	395		227	198		162			982
1030L	Concrete Thickened Edge Ex/Grade				Quan:	6.00	CY	Hrs/Shft:	8.00	Cal:	040	WC:	OR001	**Unreviewed	
6" captured in clear and grub															
156 LF															
156*.833*1.25/27															
Agg base = 1.25*.5*156/27*1.4=4 tons															
<u>EX2012</u>	PC 200 w/ 1/F;2/L			4.00	CH	Prod:	0.5000	S		Lab Pcs:		3.00		Eqp Pcs:	2.00
2BA040	Aggregate Base (3/4" - 0")	1.40	3.11	TON		30.000			93						93
3ADD12	Small Tools & Supplies (12	1.00	788.00	LAB\$		0.120				95					95
3DCF01	Dump Fee - Excess Excavat	0.10	0.60	CY		15.000				9					9
7HR0016	Dump Truck Super	1.00	0.60	CY		18.000				11					11
7TN100	Haul Agg Subbase /Ton	1.00	3.11	TON		16.000				50					50
822160	Kom PC138/Cat 315/JD 1	1.00	4.00	HR		50.871						203			203
883200	Pickup 3/4 tn, Gas (fo	1.00	4.00	HR		22.883						92			92
889974	==> Plate Compactor	1.00	2.00	HR		15.000						30			30
LB002	Foreman, Laborer	1.00	4.00	MH		36.730	248								248
LB0101	Laborer, General	1.00	4.00	MH		34.980	239								239
OE0403	Excavator Op, >20=<80 Ki	1.00	4.00	MH		47.740	302								302
\$1,371.60	2.0000 MH/CY		12.00	MH		[79.633]	789		93	164		325			1,372
1030M	Synthetic Turf Safety Surfacing Ex and G				Quan:	11.00	CY	Hrs/Shft:	8.00	Cal:	040	WC:	OR001	**Unreviewed	
3489 SF															
First 6" captured in clear and grub															
=.083*3489/27= 11cy of ex															
Placement of 4" of agg base = 3489*.33/27*1.4=61 banked tons															
Perf pipe 49LF + 115LF along concrete header= 164 lf (need pricing)															
2 shifts to ex, grade and install perf pipe															
Geo fabric captured in other item															
<u>EX2012</u>	(Mod) PC 200 w/ 1/F;2/L			16.00	CH	Prod:	2.0000	S		Lab Pcs:		4.00		Eqp Pcs:	2.00
2BA040	Aggregate Base (3/4" - 0")	1.40	71.17	TON		30.000			2,135						2,135
2DR10190	Perf Pipe	1.00	164.00	LF		2.000			328						328
3ADD12	Small Tools & Supplies (12	1.00	4,725.00	LAB\$		0.120				567					567
3DCF01	Dump Fee - Excess Excavat	0.25	2.75	CY		15.000				41					41
7HR0016	Dump Truck Super	1.00	2.75	CY		18.000				50					50
7TN100	Haul Agg Subbase /Ton	1.00	71.17	TON		16.000				1,139					1,139
822160	Kom PC138/Cat 315/JD 1	1.00	16.00	HR		50.871						814			814
880400	==> Water Truck 2000 Gal,	1.00	0.92	HR		55.077						51			51
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00	HR		22.883						366			366
889974	==> Plate Compactor	1.00	3.67	HR		15.000						55			55
LB002	Foreman, Laborer	1.00	16.00	MH		36.730	992								992
LB0101	Laborer, General	2.00	32.00	MH		34.980	1,915								1,915
OE0403	Excavator Op, >20=<80 Ki	1.00	16.00	MH		47.740	1,207								1,207

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 1030										
Description =	Site Earthwork		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
\$9,659.52	5.8181 MH/CY		64.00 MH	[224.625]	4,114	2,463	1,796	1,286		9,660
2030K	Community Garden/Shrub Area Ex Only		Quan:	1,806.00 CY	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
**Unreviewed										
Shrub area 33,962 SF										
Community Garden Area 14,803										
Total 48,765sf										
=48765*1/27=1860bcy										
1400 lf of pressure treated wood, need pricing										
first 6" captured in the clear and grub this number reflects an 18" planting bed										
Plans call for 24" but directed for 18"										
First 6" captured in clear and grub										
=48762*1/27= 1806bcy										
2890/18*2=321 trucking hours										
EX2012	(Mod) PC 200 w/ 1/F;2/L		144.00 CH	Prod:	18.0000 S	Lab Pcs:	5.00	Eqp Pcs:	2.00	
3ADD12	Small Tools & Supplies (12	1.00	48,000.00 LAB\$	0.120		5,760			5,760	
3DCF01	Dump Fee - Excess Excavat	0.10	180.60 CY	15.000		2,709			2,709	
7HR0016	Dump Truck Super	1.00	180.60 CY	18.000		3,251			3,251	
822160	Kom PC138/Cat 315/JD 1	1.00	144.00 HR	50.871			7,325		7,325	
882730	=> 5 YD Dump Truck	2.00	288.00 HR	39.480			11,370		11,370	
883200	Pickup 3/4 tn, Gas (fo	1.00	144.00 HR	22.883			3,295		3,295	
LB002	Foreman, Laborer	1.00	144.00 MH	36.730	8,930				8,930	
LB0101	Laborer, General	2.00	288.00 MH	34.980	17,235				17,235	
OE0403	Excavator Op, >20=<80 Ki	2.00	288.00 MH	47.740	21,726				21,726	
\$81,601.53	0.3986 MH/CY		720.00 MH	[16.12]	47,891		11,720	21,991		81,602
2030M	ROW EX		Quan:	30.00 CY	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
**Unreviewed										
445 SF at Mill Court, 430SF at Lincoln, 700 SF at SE 122nd										
1575 sf of ex										
2 shifts to remove 3 areas										
EX0012	(Mod) PC 55 w/ 1/F;2/L		16.00 CH	Prod:	2.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
2BA040	Aggregate Base (3/4" - 0")	1.20	16.80 TON	25.000	420				420	
3ADD12	Small Tools & Supplies (12	1.00	3,200.00 LAB\$	0.120		384			384	
3DCF01	Dump Fee - Excess Excavat	0.10	3.00 CY	15.000		45			45	
7HR0016	Dump Truck Super	1.00	3.00 CY	18.000		54			54	
7TN100	Haul Agg Subbase /Ton	1.00	16.80 TON	16.000		269			269	
822055	Kom PC55/Cat 305/JD 60	1.00	16.00 HR	39.005			624		624	
882730	=> 5 YD Dump Truck	1.00	16.00 HR	39.480			632		632	
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00 HR	22.883			366		366	
LB002	Foreman, Laborer	1.00	16.00 MH	36.730	992				992	
LB0101	Laborer, General	1.00	16.00 MH	34.980	958				958	
OE0503	Excavator Op, <20 Kip	1.00	16.00 MH	45.260	1,163				1,163	
\$5,906.04	1.6000 MH/CY		48.00 MH	[62.384]	3,112	420	752	1,622		5,906
=====>	Item Totals: 1030 - Site Earthwork									
\$380,791.13	1,918.0000 MH/LS		1,918.00 MH	[76168.98]	125,912	108,723	89,273	56,884		380,791
380,791.130	1 LS				125,912.03	108,722.50	89,272.88	56,883.72		380,791.13
Total of Above Sub-Biditems										
=====>	Item Totals: 1000 - Sitework Preparation									
\$970,981.22	3,422.0000 MH/LS		3,422.00 MH	[135844.3]	224,604	112,723	387,009	110,545	136,100	970,981
970,981.220	1 LS				224,604.39	112,722.50	387,009.05	110,545.28	136,100.00	970,981.22

Direct Cost Report

Activity	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm	Constr	Equip	Sub-	Total
Resource							Material	Matl/Exp	Ment	Contract	
PARENT ITEM = 2000											
Description =	Site Improvements			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		1.000
Listing of Sub-Biditems of Parent Item 2000:											
BID ITEM = 2010											
Description =	Roadways			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
2010D	Mono C/G/C F/P/S			Quan:	1,575.00 SF	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
											**Unreviewed
form and pour of Mono sidewalk in ROW =1575*(4/12)/27=20 yards of concrete											
=4 shifts, form and pour for mason crew, 2 each area 445 SF at Mill Court, 430SF at Lincoln, 700 SF at SE 122nd											
FM1123	(Mod) 1/MF;3/M;2/L		32.00	CH	Prod:	4.0000 S	Lab Pcs:	5.00	Eqp Pcs:	1.50	
2C35	3500 PSI (24 MPa) Concret	1.10	22.00	CY	170.000		3,740				3,740
3ADD12	Small Tools & Supplies (12	1.00	11,300.00	LAB\$	0.120			1,356			1,356
3F1	WOODEN FORMS	1.00	1.00	LS	1,000.000			1,000			1,000
880400	=> Water Truck 2000 Gal,	0.50	24.00	HR	55.077				1,322		1,322
883200	Pickup 3/4 tn, Gas (fo	1.50	48.00	HR	22.883				1,098		1,098
889974	=> Plate Compactor	1.00	24.00	HR	15.000				360		360
CM001	Cement Mason Foreman	1.00	32.00	MH	41.970	2,340					2,340
CM01	Cement Mason Group I	4.00	128.00	MH	39.970	9,042					9,042
\$20,257.97	0.1015 MH/SF		160.00	MH	[4.101]	11,382	3,740	2,356	2,780		20,258
====>	Item Totals:	2010	- Roadways								
\$20,257.97	160.0000 MH/LS		160.00	MH	[6459.2]	11,382	3,740	2,356	2,780		20,258
20,257.970	1 LS					11,381.75	3,740.00	2,356.00	2,780.22		20,257.97
BID ITEM = 2031											
Description =	Pedestrian Paving			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
2031A	4" Concrete paving			Quan:	8,982.00 SF	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
											**Unreviewed
8982 SF of 4" concrete per Mayer Reed QTS =8982*.33/27= 110 bcy of concrete											
FM1123	(Mod) 1/MF;3/M;2/L		56.00	CH	Prod:	7.0000 S	Lab Pcs:	6.00	Eqp Pcs:	1.00	
2C35	3500 PSI (24 MPa) Concret	1.10	122.22	CY	170.000		20,777				20,777
3ADD12	Small Tools & Supplies (12	1.00	25,412.00	LAB\$	0.120			3,049			3,049
3F1	WOODEN FORMS	1.00	8,982.00	SF	0.250			2,246			2,246
6P105	32Meter Concrete Pump (1	1.00	12.00	HR	175.000			2,100			2,100
883200	Pickup 3/4 tn, Gas (fo	1.00	56.00	HR	22.883				1,281		1,281
CM001	Cement Mason Foreman	1.00	56.00	MH	41.970	4,095					4,095
CM01	Cement Mason Group I	5.00	280.00	MH	39.970	19,779					19,779
\$53,327.73	0.0374 MH/SF		336.00	MH	[1.508]	23,874	20,777	7,395	1,281		53,328
2031B	6" Concrete Paving Type 1			Quan:	30,449.00 SF	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
											**Unreviewed
30449 SF of 6" concrete type 1 provided per Mayer Reed 30449*.5/27=620 lcy Rebar price is to purchase and place											
FM1123	1/MF;3/M;2/L		320.00	CH	Prod:	40.0000 S	Lab Pcs:	6.00	Eqp Pcs:	1.00	
2C35	3500 PSI (24 MPa) Concret	1.10	620.20	CY	170.000		105,434				105,434
2RD304	#4 Rebar	1.00	30,449.00	SF	1.500		45,674				45,674
3ADD12	Small Tools & Supplies (12	1.00	110,000.00	LAB\$	0.120			13,200			13,200
3F1	WOODEN FORMS	1.00	30,449.00	SF	0.250			7,612			7,612
6P105	32Meter Concrete Pump (1	1.00	102.00	HR	175.000			17,850			17,850
849400	=> Cat938/JD624/KomW	0.20	96.89	HR	91.297				8,846		8,846

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 2031										
Description =	Pedestrian Paving		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
883200	Pickup 3/4 tn, Gas (fo	1.00	320.00 HR	22.883				7,323		7,323
CM001	Cement Mason Foreman	1.00	320.00 MH	41.970	23,397					23,397
CM01	Cement Mason Group I	5.00	1,600.00 MH	39.970	113,025					113,025
\$342,360.65	0.0630 MH/SF		1,920.00 MH	[2.541]	136,423	151,108	38,662	16,168		342,361
2031C 6" Concrete Paving Type 2										
					Quan:	8,197.00 SF	Hrs/Shift:	8.00	Cal: 040	WC: OR001
										**Unreviewed
8197 sf provided per Mayer Reed										
8197*.5/27=167 lcy										
FM1123	1/MF;3/M;2/L		112.00 CH	Prod:	14.0000 S		Lab Pcs:	6.00	Eqp Pcs:	1.00
2C35	3500 PSI (24 MPa) Concret	1.10	166.96 CY	170.000		28,383				28,383
2RD304	#4 Rebar	1.00	8,197.00 SF	1.500		12,296				12,296
3ADD12	Small Tools & Supplies (12	1.00	37,645.00 LAB\$	0.120			4,517			4,517
3F1	WOODEN FORMS	1.00	8,197.00 SF	0.250			2,049			2,049
6P105	32Meter Concrete Pump (1	1.00	30.00 HR	175.000			5,250			5,250
883200	Pickup 3/4 tn, Gas (fo	1.00	112.00 HR	22.883				2,563		2,563
CM001	Cement Mason Foreman	1.00	112.00 MH	41.970	8,189					8,189
CM01	Cement Mason Group I	5.00	560.00 MH	39.970	39,559					39,559
\$102,806.15	0.0819 MH/SF		672.00 MH	[3.304]	47,748	40,679	11,817	2,563		102,806
2031D 6" Concrete Paving Type 3										
					Quan:	13,060.00 SF	Hrs/Shift:	8.00	Cal: 040	WC: OR001
										**Unreviewed
Qty provided per Mayer Reed										
13060*.5/27=266 lcy of concrete										
FM1123	1/MF;3/M;2/L		184.00 CH	Prod:	23.0000 S		Lab Pcs:	6.00	Eqp Pcs:	1.00
2C35	3500 PSI (24 MPa) Concret	1.10	266.01 CY	170.000		45,222				45,222
2RD304	#4 Rebar	1.00	13,060.00 LB	1.500		19,590				19,590
3ADD12	Small Tools & Supplies (12	1.00	78,442.00 LAB\$	0.120			9,413			9,413
3F1	WOODEN FORMS	1.00	13,060.00 SF	0.250			3,265			3,265
6P105	32Meter Concrete Pump (1	1.00	46.00 HR	175.000			8,050			8,050
883200	Pickup 3/4 tn, Gas (fo	1.00	184.00 HR	22.883				4,210		4,210
CM001	Cement Mason Foreman	1.00	184.00 MH	41.970	13,453					13,453
CM01	Cement Mason Group I	5.00	920.00 MH	39.970	64,990					64,990
\$168,193.20	0.0845 MH/SF		1,104.00 MH	[3.407]	78,443	64,812	20,728	4,210		168,193
2031E Mortar Set Pavers Rat slab										
					Quan:	3,420.00 SF	Hrs/Shift:	8.00	Cal: 040	WC: OR001
										**Unreviewed
QTY provided by Mayer Reed										
3420*.33/27= 46 CY of concrete										
2 shifts to form and pour, no specifice finish for rat slab										
FM1123	1/MF;3/M;2/L		16.00 CH	Prod:	2.0000 S		Lab Pcs:	6.00	Eqp Pcs:	1.00
2C35	3500 PSI (24 MPa) Concret	1.10	46.20 CY	170.000		7,854				7,854
3ADD12	Small Tools & Supplies (12	1.00	6,820.00 LAB\$	0.120			818			818
3F1	WOODEN FORMS	1.00	3,420.00 SF	0.250			855			855
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00 HR	22.883				366		366
CM001	Cement Mason Foreman	1.00	16.00 MH	41.970	1,170					1,170
CM01	Cement Mason Group I	5.00	80.00 MH	39.970	5,651					5,651
\$16,714.65	0.0280 MH/SF		96.00 MH	[1.131]	6,821	7,854	1,673	366		16,715
2031F F&I Mortar Set Pavers										
					Quan:	2,014.00 SF	Hrs/Shift:	8.00	Cal: 040	WC: OR001
										**Unreviewed
Wausau Tiles										
8"x2" Hexagonal tiles										
Call for quote										
Assume 2 tiles per SF										
2014 SF										
15 shifts to install, perform cuts, and grout or sand seal, still needs to be specified										
FM1123	1/MF;3/M;2/L		70.66 CH	Prod:	8.8333 S		Lab Pcs:	6.00	Eqp Pcs:	1.00
2CC2001	Grout, Non-Shrink	1.20	2,416.80 SF	2.000		4,834				4,834
2MU05	Unit Pavers	1.30	2,618.20 SF	7.200		18,851				18,851

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 2031										
Description =	Pedestrian Paving		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
3ADD12	Small Tools & Supplies (12	1.00	30,125.79 LABS	0.120			3,615			3,615
6SC001	Conc Saw Rental (O&M) /	2.00	70.67 HR	70.000			4,947			4,947
7FT001	Freight Allowance to Jobsite	1.00	1.00 LS	8,780.000			8,780			8,780
849400	=> Cat938/JD624/KomW	0.50	39.71 HR	91.297				3,625		3,625
883200	Pickup 3/4 tn, Gas (fo	1.00	70.67 HR	22.883				1,617		1,617
CM001	Cement Mason Foreman	1.00	70.67 MH	41.970	5,167					5,167
CM01	Cement Mason Group I	5.00	353.33 MH	39.970	24,960					24,960
\$76,395.80	0.2105 MH/SF		424.00 MH	[8.485]	30,127	23,685	17,342	5,242		76,396
2031G Safety Tile Surface Rat Slab										
					Quan:	4,820.00 SF	Hrs/Shift:	8.00	Cal: 040	WC: OR001
										**Unreviewed
4820 sf of pervious concrete rat slab @ 3"										
Use different agg base										
Added concrete body due to labor associated with pervious pour										
FM1123	(Mod) 1/MF;3/M;2/L		24.00 CH	Prod:	3.0000 S	Lab Pcs:	7.00	Eqp Pcs:	1.00	
2C99	Porous Concrete	1.10	49.33 CY	260.000	12,826					12,826
3ADD12	Small Tools & Supplies (12	1.00	11,926.00 LABS	0.120			1,431			1,431
3F1	WOODEN FORMS	1.00	4,820.00 SF	0.250			1,205			1,205
883200	Pickup 3/4 tn, Gas (fo	1.00	24.00 HR	22.883				549		549
CM001	Cement Mason Foreman	1.00	24.00 MH	41.970	1,755					1,755
CM01	Cement Mason Group I	6.00	144.00 MH	39.970	10,172					10,172
\$27,938.18	0.0348 MH/SF		168.00 MH	[1.403]	11,927	12,826	2,636	549		27,938
2031H F&I Safety Tile										
					Quan:	4,820.00 SF	Hrs/Shift:	8.00	Cal: 040	WC: OR001
										**Unreviewed
Rubber designs for safety tile surface product, this price was provided Wildwood Playgrounds										
LS quote dated 3/21/2023										
Subcontractor install plug 50,000										
4	SUBCONTRACTORS	1.00	1.00 LS	50,000.000				50,000		50,000
4PG001	Playground Equipment	1.00	1.00 LS	102,172.280				102,172		102,172
7FT001	Freight Allowance to Jobsite	1.00	2.00 EA	9,500.000			19,000			19,000
\$171,172.28				[]			19,000	152,172		171,172
2031I F&I Synthetic Turf Surfacing										
					Quan:	2,450.00 SF	Hrs/Shift:	8.00	Cal: 040	WC: OR001
										**Unreviewed
Price quote provided by Ross Recreation 3.7.23 for 4 rolls totaling 3000 SF										
4PG001	Playground Equipment	1.00	1.00 LS	19,975.000				19,975		19,975
4PLAYSUB	Playground Sub	1.00	1.00 LS	15,000.000				15,000		15,000
7FT001	Freight Allowance to Jobsite	1.00	1.00 LS	4,800.000			4,800			4,800
\$39,775.00				[]			4,800	34,975		39,775
2031J F&I Synthetic Turf Safety Surfacing										
					Quan:	3,489.00 SF	Hrs/Shift:	8.00	Cal: 040	WC: OR001
										**Unreviewed
Forever lawn "playground grass" waiting on pricing										
Added 3 per sf for safety pad										
Changed to 1160 SF per Tim's Direction										
4PG001	Playground Equipment	1.00	1.00 LS	15,625.000				15,625		15,625
4PLAYSUB	Playground Sub	1.00	3,489.00 SF	13.470				46,997		46,997
7FT001	Freight Allowance to Jobsite	1.00	1.00 EA	6,200.000			6,200			6,200
\$68,821.83				[]			6,200	62,622		68,822
====> Item Totals: 2031 - Pedestrian Paving										
\$1,067,505.47	4,720.0000 MH/LS		4,720.00 MH	[190223.74]	335,362	321,740	130,253	30,381	249,769	1,067,505
1,067,505.470	1 LS				335,362.33	321,739.74	130,253.39	30,380.90	249,769.11	1,067,505.47

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 2040										
Description = Site Development			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
2040A	6" Concrete Header		Quan:	49.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
6" HEADER										
QTY provided by Mayer Reed										
49*.5*1/27= 1 yard of concrete										
<u>FM1123</u>	1/MF;3/M;2/L		4.00 CH	Prod:	0.5000 S		Lab Pcs:	6.00	Eqp Pcs:	1.00
2C35	3500 PSI (24 MPa) Concret	1.10	1.10 CY	170.000		187				187
2RD304	#4 Rebar	1.00	170.14 LB	0.750		128				128
3ADD12	Small Tools & Supplies (12	1.00	1,704.00 LAB\$	0.120			204			204
3F1	WOODEN FORMS	1.00	49.00 LF	0.250			12			12
849400	=> Cat938/JD624/KomW	0.20	0.68 HR	91.297				62		62
883200	Pickup 3/4 tn, Gas (fo	1.00	4.00 HR	22.883				92		92
CM001	Cement Mason Foreman	1.00	4.00 MH	41.970	292					292
CM01	Cement Mason Group I	5.00	20.00 MH	39.970	1,413					1,413
\$2,390.21	0.4897 MH/LF		24.00 MH	[19.74]	1,705	315	217	154		2,390
2040AA	12" Concrete Header		Quan:	385.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
12" Concrete header										
385*1*1/27=16 bcy of concrete										
<u>FM1123</u>	1/MF;3/M;2/L		24.00 CH	Prod:	3.0000 S		Lab Pcs:	6.00	Eqp Pcs:	1.00
2C35	3500 PSI (24 MPa) Concret	1.10	16.19 CY	170.000		2,752				2,752
2RD304	#4 Rebar	1.00	385.00 LB	1.500		578				578
3ADD12	Small Tools & Supplies (12	1.00	10,230.00 LAB\$	0.120			1,228			1,228
3F1	WOODEN FORMS	1.00	385.00 LF	0.250			96			96
849400	=> Cat938/JD624/KomW	0.20	5.34 HR	91.297				488		488
883200	Pickup 3/4 tn, Gas (fo	1.00	24.00 HR	22.883				549		549
CM001	Cement Mason Foreman	1.00	24.00 MH	41.970	1,755					1,755
CM01	Cement Mason Group I	5.00	120.00 MH	39.970	8,477					8,477
\$15,922.03	0.3740 MH/LF		144.00 MH	[15.074]	10,232	3,330	1,324	1,037		15,922
2040B	Concrete Thickened Edge		Quan:	156.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
156LF										
156*.87/27										
<u>FM1123</u>	(Mod) 1/MF;3/M;2/L		8.00 CH	Prod:	1.0000 S		Lab Pcs:	5.00	Eqp Pcs:	1.00
2C35	3500 PSI (24 MPa) Concret	1.10	5.40 CY	170.000		918				918
3ADD12	Small Tools & Supplies (12	1.00	2,844.00 LAB\$	0.120			341			341
3F	CONCRETE FORM MAT	1.00	156.00 LF	0.250			39			39
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00 HR	22.883				183		183
CM001	Cement Mason Foreman	1.00	8.00 MH	41.970	585					585
CM01	Cement Mason Group I	4.00	32.00 MH	39.970	2,261					2,261
\$4,326.78	0.2564 MH/LF		40.00 MH	[10.351]	2,845	918	380	183		4,327
2040CC	Concrete Retaining Wall		Quan:	92.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
92 LF										
=92*6 (assumed size, height to vary) 92*5/27										
<u>FM1123</u>	(Mod) 1/MF;3/M;2/L		32.00 CH	Prod:	4.0000 S		Lab Pcs:	6.00	Eqp Pcs:	2.00
2C35	3500 PSI (24 MPa) Concret	1.10	22.00 CY	170.000		3,740				3,740
2RD304	#4 Rebar	1.00	1,919.03 LB	1.500		2,879				2,879
3ADD12	Small Tools & Supplies (12	1.00	13,641.00 LAB\$	0.120			1,637			1,637
3F1	WOODEN FORMS	1.00	92.00 LF	0.250			23			23
3LC0075	3/4" Plyform BB OES	1.10	11.00 EA	72.000			792			792
883200	Pickup 3/4 tn, Gas (fo	1.00	32.00 HR	22.883				732		732
889015	Conc Vibrator 2.5"	1.00	32.00 HR	7.000				224		224
CM001	Cement Mason Foreman	1.00	32.00 MH	41.970	2,340					2,340
CM01	Cement Mason Group I	5.00	160.00 MH	39.970	11,303					11,303

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 2040										
Description =	Site Development		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
\$23,668.98	2.0869 MH/LF		192.00 MH	[84.111]	13,642	6,619	2,452	956		23,669
2040D	Skate Deterrents		Quan:	100.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Grind to a Hault- Cylinder skate deterrents Install with drill and epoxy										
<u>FM1123</u>	(Mod) 1/MF;3/M;2/L		16.00 CH	Prod:	2.0000 S		Lab Pcs:	2.00	Eqp Pcs:	1.00
2CC2004	Epoxy	1.00	10.00 EA	125.000		1,250				1,250
2SKTDET	Skate Deterrents	1.00	100.00 EA	28.000		2,800				2,800
3ADD12	Small Tools & Supplies (12	1.00	2,232.04 LAB\$	0.120			268			268
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00 HR	22.883				366		366
CM001	Cement Mason Foreman	1.00	16.00 MH	41.970	1,170					1,170
CM01	Cement Mason Group I	1.00	16.00 MH	39.970	1,130					1,130
\$6,984.07	0.3200 MH/EA		32.00 MH	[13.11]	2,300	4,050	268	366		6,984
2040E	Raised Garden Beds		Quan:	6.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
144 LF For pressure treated lumber, (10\$ per 8' piece) 24 4x4 posts, 6 garden beds total Assumed one shifts for crew to install No changes at 70%										
<u>FM1123</u>	(Mod) 1/MF;3/M;2/L		8.00 CH	Prod:	1.0000 S		Lab Pcs:	4.00	Eqp Pcs:	1.00
3ADD12	Small Tools & Supplies (12	1.00	2,280.00 LAB\$	0.120			274			274
3LA020401	2" X 4" No. 1	1.10	158.40 LF	10.000			1,584			1,584
3LA040401	4" X 4" No. 1	1.00	8.00 LF	7.000			56			56
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00 HR	22.883				183		183
CM001	Cement Mason Foreman	1.00	8.00 MH	41.970	585					585
CM01	Cement Mason Group I	3.00	24.00 MH	39.970	1,695					1,695
\$4,376.97	5.3333 MH/EA		32.00 MH	[215.84]	2,280		1,914	183		4,377
2040F	Basalt Column		Quan:	25.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Assume that we can place 5 boulders a day Slow production working with architect for placement Need two machines for excavation and placement of boulders										
<u>EX0212</u>	(Mod) PC 88 w/ 1/F:2/L		40.00 CH	Prod:	5.0000 S		Lab Pcs:	4.00	Eqp Pcs:	3.25
2BA040	Aggregate Base (3/4" - 0")	1.00	21.74 TON	25.000		544				544
3ADD12	Small Tools & Supplies (12	1.00	10,907.00 LAB\$	0.120			1,309			1,309
4MASON	Masonry Subcontractor	1.00	25.00 EA	750.000				18,750		18,750
7HR0016	Dump Truck Super	1.00	16.00 HR	160.000			2,560			2,560
7TN100	Haul Agg Subbase /Ton	1.00	21.74 TON	16.000			348			348
822088	Kom PC88/Cat 308/JD 85	1.00	40.00 HR	42.746				1,710		1,710
849400	Cat938/JD624/KomWA320	1.00	40.00 HR	91.297				3,652		3,652
880400	Water Truck 2000 Gal,	0.25	10.00 HR	55.077				551		551
883200	Pickup 3/4 tn, Gas (fo	1.00	40.00 HR	22.883				915		915
889974	=> Plate Compactor	1.00	40.00 HR	15.000				600		600
LB002	Foreman, Laborer	1.00	40.00 MH	36.730	2,480					2,480
LB0101	Laborer, General	1.00	40.00 MH	34.980	2,394					2,394
OE0403	Excavator Op, >20=<80 Ki	1.00	40.00 MH	47.740	3,018					3,018
OE0404	Loader Op, =>25<80 Kip	1.00	40.00 MH	47.740	3,018					3,018
\$41,847.23	6.4000 MH/EA		160.00 MH	[267.504]	10,909	544	4,217	7,428	18,750	41,847
2040H	8' Ht. Welded Wire Mesh Fenc		Quan:	80.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Internet quote from Quote from Omega Fence Furnish and install										
<u>FM1102</u>	(Mod) 1/MF;2/M		16.00 CH	Prod:	2.0000 S		Lab Pcs:	5.00	Eqp Pcs:	1.00
2C35	3500 PSI (24 MPa) Concret	1.00	3.08 CY	170.000		524				524
3ADD12	Small Tools & Supplies (12	1.00	5,836.92 LAB\$	0.120			700			700

Direct Cost Report

Activity	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 2040											
Description =	Site Development			Unit =	LS	Takeoff	Quan:	1.000	Engr	Quan:	0.000
4FENCE002	Chain Link Fence Sub	1.00	1.00	LS	5,888.000					5,888	5,888
6ZJKB002	Concrete Core	1.00	16.00	HR	15.000			240			240
7FT001	Freight Allowance to Jobsite	1.00	1.00	LS	500.000			500			500
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00	HR	22.883				366		366
CM001	Cement Mason Foreman	1.00	16.00	MH	41.970	1,170					1,170
CM01	Cement Mason Group I	4.00	64.00	MH	39.970	4,521					4,521
\$13,909.03	1.0000 MH/LF		80.00	MH	[40.37]	5,691	524	1,440	366	5,888	13,909
2040HH	4' Ht. Welded Wire Mesh Fence			Quan:	589.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
Placed around community garden											
Internte quote from Omega Systems											
Concrete core for fence posts											
10 days to install posts and footings and install fence and gates											
FM1102	(Mod) 1/MF;2/M		80.00	CH	Prod:	58.9000 US	Lab Pcs:	4.00	Eqp Pcs:	1.00	
2C35	3500 PSI (24 MPa) Concret	1.00	5.00	CY	170.000		850				850
3ADD12	Small Tools & Supplies (12	1.00	22,800.00	LAB\$	0.120			2,736			2,736
4FENCE002	Chain Link Fence Sub	1.00	1.00	LS	15,194.000					15,194	15,194
6ZJKB002	Concrete Core	1.00	40.00	HR	15.000			600			600
7FT001	Freight Allowance to Jobsite	1.00	1.00	LS	2,100.000			2,100			2,100
883200	Pickup 3/4 tn, Gas (fo	1.00	80.00	HR	22.883				1,831		1,831
CM001	Cement Mason Foreman	1.00	80.00	MH	41.970	5,849					5,849
CM01	Cement Mason Group I	3.00	240.00	MH	39.970	16,954					16,954
\$46,113.75	0.5432 MH/LF		320.00	MH	[21.987]	22,803	850	5,436	1,831	15,194	46,114
2040I	Welded Wire Mesh Single Swing Gate 4'			Quan:	1.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
Provided from TS at 70%-labor included in fence install											
4FENCE002	Chain Link Fence Sub	1.00	2.00	EA	3,219.000					6,438	6,438
2040J	Welded Wire Mesh Single Swing Gate 8'			Quan:	1.00 LS	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
Provided from TS at 70%-labor included in fence install											
4FENCE002	Chain Link Fence Sub	1.00	1.00	EA	1,323.000					1,323	1,323
2040K	Welded Wire Mesh Double Swing Gate 4'			Quan:	1.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
Provided from TS at 70%-labor included in fence install											
4FENCE002	Chain Link Fence Sub	1.00	1.00	EA	1,937.000					1,937	1,937
2040L	Split Rail Fence			Quan:	741.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
Dicks Evergreen 23.50 (5') (110 Posts)= \$2585 per post and 21.50 (7') (220 Rails) (\$4730) per rail/No finish provided											
Jasper Enterprises is not in business											
EX0212	(Mod) PC 88 w/ 1/F;2/L		72.00	CH	Prod:	9.0000 S	Lab Pcs:	4.00	Eqp Pcs:	2.25	
2BA040	Aggregate Base (3/4" - 0")	1.00	18.00	TON	25.000		450				450
3ADD12	Small Tools & Supplies (12	1.00	18,123.96	LAB\$	0.120			2,175			2,175
4FENCE010	Wood Fence sub	1.00	1.00	LS	7,315.000					7,315	7,315
7HR0016	Dump Truck Super	1.00	4.00	HR	160.000			640			640
7TN100	Haul Agg Subbase /Ton	1.00	18.00	TON	16.000			288			288
822088	Kom PC88/Cat 308/JD 85	1.00	72.00	HR	42.746				3,078		3,078
880400	Water Truck 2000 Gal,	0.25	18.00	HR	55.077				991		991
883200	Pickup 3/4 tn, Gas (fo	1.00	72.00	HR	22.883				1,648		1,648
LB002	Foreman, Laborer	1.00	72.00	MH	36.730	4,465					4,465
LB0101	Laborer, General	2.00	144.00	MH	34.980	8,618					8,618
OE0403	Excavator Op, >20=<80 Ki	1.00	72.00	MH	47.740	5,432					5,432
\$35,098.47	0.3886 MH/LF		288.00	MH	[15.005]	18,514	450	3,103	5,717	7,315	35,098

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 2040										
Description =	Site Development		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
2040M	Site Boulders Placement		Quan:	10.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Owner furnished placement of site boulders Truck for haul of material, assuming owner does not provide them to site Assume about 1CY of ex per boulder 1 Crew for a day to ex, set and compact boulders										
<u>EX1212</u>	(Mod) PC 138 w/ 1/F;2/L		8.00 CH	Prod:	1.0000 S		Lab Pcs:	3.00	Eqp Pcs:	2.00
2BA040	Aggregate Base (3/4" - 0")	1.00	10.00 TON	25.000		250				250
3ADD12	Small Tools & Supplies (12	1.00	2,000.00 LAB\$	0.120			240			240
3DCF01	Dump Fee - Excess Excavat	1.00	10.00 CY	15.000			150			150
7HR0016	Dump Truck Super	1.00	10.00 CY	18.000			180			180
7TN102	Haul Aggregate Base /Ton	1.00	10.00 TON	12.000			120			120
822160	Kom PC138/Cat 315/JD 1	1.00	8.00 HR	50.871				407		407
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00 HR	22.883				183		183
LB002	Foreman, Laborer	1.00	8.00 MH	36.730	496					496
LB0101	Laborer, General	1.00	8.00 MH	34.980	479					479
OE0403	Excavator Op, >20=<80 Ki	1.00	8.00 MH	47.740	604					604
\$3,108.36	2.4000 MH/EA		24.00 MH	[95.56]	1,578	250	690	590		3,108
2040O	Loo Foundation		Quan:	70.00 SF	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Ex and Grade included in surface excavation: Install Loo FDN- Detailed item to account for fixtures and plumbing. Formed and poured individually										
<u>FM1102</u>	(Mod) 1/MF;2/M		8.00 CH	Prod:	1.0000 S		Lab Pcs:	6.00	Eqp Pcs:	1.00
2C35	3500 PSI (24 MPa) Concret	1.00	3.00 CY	170.000		510				510
2RD304	#4 Rebar	1.00	200.00 LB	1.500		300				300
3ADD12	Small Tools & Supplies (12	1.00	3,800.00 LAB\$	0.120			456			456
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00 HR	22.883				183		183
CM001	Cement Mason Foreman	1.00	8.00 MH	41.970	585					585
CM01	Cement Mason Group I	5.00	40.00 MH	39.970	2,826					2,826
\$4,859.63	0.6857 MH/SF		48.00 MH	[27.637]	3,411	810	456	183		4,860
2040P	Picnic Shelter Foundation		Quan:	768.00 SF	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Excavation included in pedestrian paving bid item. Assumed at 20'*30'= 6" depth (need Mayer Reed to confirm) = Rock for this item is captured in pedestrian paving as well.										
<u>FM1102</u>	(Mod) 1/MF;2/M		8.00 CH	Prod:	1.0000 S		Lab Pcs:	6.00	Eqp Pcs:	1.00
2C35	3500 PSI (24 MPa) Concret	1.10	15.36 CY	170.000		2,611				2,611
2RD304	#4 Rebar	1.00	768.00 LB	1.500		1,152				1,152
3ADD12	Small Tools & Supplies (12	1.00	3,500.00 LAB\$	0.120			420			420
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00 HR	22.883				183		183
CM001	Cement Mason Foreman	1.00	8.00 MH	41.970	585					585
CM01	Cement Mason Group I	5.00	40.00 MH	39.970	2,826					2,826
\$7,776.83	0.0625 MH/SF		48.00 MH	[2.519]	3,411	3,763	420	183		7,777
2040Q	Water Feature Enclosure		Quan:	484.00 SF	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Excavation and grade included in pedestrian paving bid item. 22'*22'*5' need to be clarified by Mayer Reed*22										
<u>FM1102</u>	(Mod) 1/MF;2/M		8.00 CH	Prod:	1.0000 S		Lab Pcs:	6.00	Eqp Pcs:	1.00
2C35	3500 PSI (24 MPa) Concret	1.10	10.00 CY	170.000		1,700				1,700
2RD304	#4 Rebar	1.00	480.00 LB	1.500		720				720
3ADD12	Small Tools & Supplies (12	1.00	3,500.00 LAB\$	0.120			420			420
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00 HR	22.883				183		183
CM001	Cement Mason Foreman	1.00	8.00 MH	41.970	585					585
CM01	Cement Mason Group I	5.00	40.00 MH	39.970	2,826					2,826
\$6,433.63	0.0991 MH/SF		48.00 MH	[3.997]	3,411	2,420	420	183		6,434

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Perm Labor	Constr Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 2040										
Description =	Site Development		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
2040R	Garden Shed Foundation		Quan:	120.00 SF	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
Excavation and grade included in pedestrian paving bid item.										
10*12*.33=										
FM1102	(Mod) 1/MF;2/M		4.00 CH	Prod:	0.5000 S		Lab Pcs:	6.00	Eqp Pcs:	1.00
2C35	3500 PSI (24 MPa) Concret	1.00	3.00 CY	170.000		510				510
2RD304	#4 Rebar	1.00	120.00 LB	0.750		90				90
3ADD12	Small Tools & Supplies (12	1.00	1,700.00 LAB\$	0.120			204			204
883200	Pickup 3/4 tn, Gas (fo	1.00	4.00 HR	22.883				92		92
CM001	Cement Mason Foreman	1.00	4.00 MH	41.970	292					292
CM01	Cement Mason Group I	5.00	20.00 MH	39.970	1,413					1,413
\$2,600.81	0.2000 MH/SF		24.00 MH	[8.061]	1,705	600	204	92		2,601
=====> Item Totals: 2040 - Site Development										
\$229,114.78	1,504.0000 MH/LS		1,504.00 MH	[60443.2]	104,438	25,441	22,940	19,451	56,845	229,115
229,114.780	1 LS				104,437.59	25,441.26	22,940.21	19,450.72	56,845.00	229,114.78

**Unreviewed

BID ITEM = 2050										
Description =	Exterior Furnishings		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
2050B	F&I Standard Benches		Quan:	9.00 EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
Natural Sturcutes benches- Current price, may adjust later in year										
Freight is 700 per 5 benches										
EX0212	PC 88 w/ 1/F;2/L		8.00 CH	Prod:	1.0000 S		Lab Pcs:	4.00	Eqp Pcs:	2.00
2BENCHAH	Benches	1.00	9.00 EA	827.000		7,443				7,443
3ADD12	Small Tools & Supplies (12	1.00	2,286.00 LAB\$	0.120			274			274
7FT001	Freight Allowance to Jobsite	1.00	1.00 LS	1,400.000			1,400			1,400
822088	Kom PC88/Cat 308/JD 85	1.00	8.00 HR	42.746				342		342
849400	=> Cat938/JD624/KomW	0.20	2.00 HR	91.297				183		183
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00 HR	22.883				183		183
LB002	Foreman, Laborer	1.00	8.00 MH	36.730	496					496
LB0101	Laborer, General	2.00	16.00 MH	34.980	958					958
OE0403	Excavator Op, >20=<80 Ki	1.00	8.00 MH	47.740	604					604
\$11,882.02	3.5555 MH/EA		32.00 MH	[137.271]	2,057	7,443	1,674	708		11,882
2050A	Install Picnic Tables		Quan:	14.00 EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
Owner furnished for table boards and buffalo welding provided frames										
Tables will need to be assembled and installed										
3'x1.5x1.5 footing for each table										
7 Embed tables and placement of 7 sleigh tables										
Assumed 6CY to install for footings of 7 tables										
FM1123	1/MF;3/M;2/L		24.00 CH	Prod:	3.0000 S		Lab Pcs:	6.00	Eqp Pcs:	1.00
2BA040	Aggregate Base (3/4" - 0")	1.00	3.50 TON	25.000		88				88
2C35	3500 PSI (24 MPa) Concret	1.10	5.92 CY	170.000		1,006				1,006
2F0004	Playground Equipment	1.00	14.00 EA	1,175.000		16,450				16,450
3ADD12	Small Tools & Supplies (12	1.00	7,323.08 LAB\$	0.120			879			879
6ZJKB002	Concrete Core	1.00	16.00 HR	15.000			240			240
7FT001	Freight Allowance to Jobsite	1.00	14.00 EA	200.000			2,800			2,800
7TN100	Haul Agg Subbase /Ton	1.00	3.50 TON	16.000			56			56
883200	Pickup 3/4 tn, Gas (fo	1.00	24.00 HR	22.883				549		549
CM001	Cement Mason Foreman	1.00	24.00 MH	41.970	1,755					1,755
CM01	Cement Mason Group I	5.00	120.00 MH	39.970	8,477					8,477
\$32,299.55	10.2857 MH/EA		144.00 MH	[414.549]	10,232	17,544	3,975	549		32,300

**Unreviewed

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 2050										
Description =	Exterior Furnishings		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
2050C	F&I Precast Star Benches		Quan:	11.00 EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
Price from outdoor creations inc.										
No footing is required for this item, price is to off-load and place concrete benches										
<u>EX1212</u>	(Mod) PC 138 w/ 1/F;2/L		16.00 CH	Prod:	2.0000 S		Lab Pcs:	4.00	Eqp Pcs:	3.00
2BENCHAH	Benches	1.00	11.00 EA	2,250.000		24,750				24,750
2SHIPPING	Shipping Costs	1.00	11.00 EA	150.000		1,650				1,650
3ADD12	Small Tools & Supplies (12	1.00	8,129.00 LAB\$	0.120			975			975
822160	Kom PC138/Cat 315/JD 1	1.00	16.00 HR	50.871				814		814
849400	Cat938/JD624/KomWA320	1.00	16.00 HR	91.297				1,461		1,461
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00 HR	22.883				366		366
LB002	Foreman, Laborer	1.00	16.00 MH	36.730	992					992
LB0101	Laborer, General	1.00	16.00 MH	34.980	958					958
OE0403	Excavator Op, >20=<80 Ki	2.00	32.00 MH	47.740	2,414					2,414
\$34,379.95	5.8181 MH/EA		64.00 MH	[243.185]	4,364	26,400	975	2,641		34,380
2050D	F&I Trash Bins/Recycle Bins		Quan:	18.00 EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
Assume 1 shift of a civil crew										
2520 quote still holds for 70% estimate for trash cans and 9 Recycle receptacles										
<u>EX0212</u>	(Mod) PC 88 w/ 1/F;2/L		16.00 CH	Prod:	2.0000 S		Lab Pcs:	3.00	Eqp Pcs:	2.00
2TC001AH	Trash Can	1.00	9.00 EA	2,520.000		22,680				22,680
2TC002AH	Recycle Receptacles	1.00	9.00 EA	1,980.000		17,820				17,820
3ADD12	Small Tools & Supplies (12	1.00	1,842.00 LAB\$	0.120			221			221
7FT001	Freight Allowance to Jobsite	1.00	1.00 LS	5,090.000			5,090			5,090
849500	Cat950/JD644/KomWA380	1.00	16.00 HR	100.645				1,610		1,610
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00 HR	22.883				366		366
LB002	Foreman, Laborer	1.00	16.00 MH	36.730	992					992
LB0101	Laborer, General	2.00	32.00 MH	34.980	1,915					1,915
\$50,694.67	2.6666 MH/EA		48.00 MH	[94.836]	2,907	40,500	5,311	1,976		50,695
2050E	F&I Water Fountains		Quan:	3.00 EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
2 Shifts to handle, connect and place drinking fountains										
Most dependable fountains for pricing										
For install/placement hookups are captured in separate item										
<u>UT1012</u>	(Mod) PC138 w/ 1/F;2/L		16.00 CH	Prod:	2.0000 S		Lab Pcs:	4.00	Eqp Pcs:	2.00
2F0002.1	Drinking Fountain W/Dog	1.00	3.00 EA	4,460.000		13,380				13,380
3ADD12	Small Tools & Supplies (12	1.00	4,115.00 LAB\$	0.120			494			494
7FT001	Freight Allowance to Jobsite	1.00	3.00 EA	400.000			1,200			1,200
822160	Kom PC138/Cat 315/JD 1	1.00	16.00 HR	50.871				814		814
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00 HR	22.883				366		366
LB002	Foreman, Laborer	1.00	16.00 MH	36.730	992					992
LB0402	Laborer, Pipe Layer	2.00	32.00 MH	36.250	1,965					1,965
OE0403	Excavator Op, >20=<80 Ki	1.00	16.00 MH	47.740	1,207					1,207
\$20,418.34	21.3333 MH/EA		64.00 MH	[837.173]	4,165	13,380	1,694	1,180		20,418
2050F	Concrete Ping Pong Table		Quan:	1.00 EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001		
Quote provided from Tim on 3/20/2023										
No detail provided in specs										
1/2 day to off-load and place										
<u>EX0012</u>	(Mod) PC 55 w/ 1/F;2/L		4.00 CH	Prod:	0.5000 S		Lab Pcs:	4.00	Eqp Pcs:	1.00
2F	PARK FURNISHINGS	1.00	1.00 EA	2,610.000		2,610				2,610
3ADD12	Small Tools & Supplies (12	1.00	2,031.00 LAB\$	0.120			244			244
7FT001	Freight Allowance to Jobsite	1.00	1.00 LS	2,665.000			2,665			2,665
822160	=> Kom PC138/Cat 315/J	1.00	4.00 HR	50.871				203		203
883200	Pickup 3/4 tn, Gas (fo	1.00	4.00 HR	22.883				92		92

**Unreviewed

**Unreviewed

**Unreviewed

**Unreviewed

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 2050										
Description =	Exterior Furnishings		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
LB002	Foreman, Laborer	1.00	4.00 MH	36.730	248					248
LB0101	Laborer, General	2.00	8.00 MH	34.980	479					479
OE0503	Excavator Op, <20 Kip	1.00	4.00 MH	45.260	291					291
\$6,831.19	16.0000 MH/EA		16.00 MH	[607.8]	1,017	2,610	2,909	295		6,831
2050G	F&I Art Panels		Quan:	1.00 LS	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
Need to confirm/ Not installing <i>There are no cost resources for this activity.</i>										**Unreviewed
2050H	F&I Picnic Shelter		Quan:	1.00 LS	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
Price of shelter from NW playground quote. Install 3 days for a crew of ironworkers to off load and install shelter price includes freight										**Unreviewed
<u>IRCREW</u>	(Mod) Shelter Erection Crew		24.00 CH	Prod:	3.0000 S	Lab Pcs:	5.00	Eqp Pcs:	2.00	
2F	PARK FURNISHINGS	1.00	1.00	48,180.000		48,180				48,180
3ADD12	Small Tools & Supplies (12	1.00	11,100.00 LAB\$	0.120			1,332			1,332
822160	=> Kom PC138/Cat 315/J	1.00	24.00 HR	50.871				1,221		1,221
864080	Cat TL1055 10K Forklif	1.00	24.00 HR	56.527				1,357		1,357
883200	Pickup 3/4 tn, Gas (fo	1.00	24.00 HR	22.883				549		549
IW001	Ironworker Foreman	1.00	24.00 MH	59.150	2,495					2,495
IW01	Ironworker Journeyman	4.00	96.00 MH	41.130	7,837					7,837
\$62,970.40	120.0000 MH/LS		120.00 MH	[5368.08]	10,332	48,180	1,332	3,127		62,970
2050I	Portland Loo		Quan:	1.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
Price for placement only, fdn is captured in another place										**Unreviewed
<u>EX0212</u>	(Mod) PC 88 w/ 1/F:2/L		4.00 CH	Prod:	0.5000 S	Lab Pcs:	3.00	Eqp Pcs:	3.00	
3ADD12	Small Tools & Supplies (12	1.00	1,050.00 LAB\$	0.120			126			126
822160	Kom PC138/Cat 315/JD 1	1.00	4.00 HR	50.871				203		203
849400	Cat938/JD624/Kom WA320	1.00	4.00 HR	91.297				365		365
883200	Pickup 3/4 tn, Gas (fo	1.00	4.00 HR	22.883				92		92
LB002	Foreman, Laborer	1.00	4.00 MH	36.730	248					248
OE0403	Excavator Op, >20=<80 Ki	2.00	8.00 MH	47.740	604					604
\$1,637.72	12.0000 MH/EA		12.00 MH	[528.84]	852		126	660		1,638
2050J	Fitness Area		Quan:	1.00 LS	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
Freight TBD, waiting for updated Ross Rec quote Plug price to install										**Unreviewed
2F0013	Balance Steps	1.00	1.00 EA	2,665.000		2,665				2,665
2F0014	Push-Up Bars	1.00	1.00 EA	1,825.000		1,825				1,825
2F0015	Ab Crunch/Leg Lift	1.00	1.00 EA	2,020.000		2,020				2,020
2F0016	Over Under Bars	1.00	2.00 EA	1,280.000		2,560				2,560
2F0017	Pull Up Bars	1.00	1.00 LS	2,110.000		2,110				2,110
2F0018	Plyometrics	1.00	1.00 EA	2,665.000		2,665				2,665
2F0019	Parallel Bars	1.00	2.00 EA	1,840.000		3,680				3,680
2F0020	Attachment Bars	1.00	1.00 EA	1,040.000		1,040				1,040
4PLAYSUB	Playground Sub	1.00	1.00 LS	25,000.000					25,000	25,000
7FT001	Freight Allowance to Jobsite	1.00	1.00 LS	1,100.000			1,100			1,100
\$44,665.00				[]		18,565	1,100		25,000	44,665
2050K	Garden Shed		Quan:	1.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
Standard price from Better Built Barns on 10/6/22, 8x10 shed										**Unreviewed
For install only, 2 machines to off load and place garden shed										
<u>EX0012</u>	(Mod) PC 55 w/ 1/F:2/L		8.00 CH	Prod:	1.0000 S	Lab Pcs:	2.00	Eqp Pcs:	1.00	
2F	PARK FURNISHINGS	1.00	1.00	3,624.000		3,624				3,624
3ADD12	Small Tools & Supplies (12	1.00	2,100.00 LAB\$	0.120			252			252

Direct Cost Report

Activity	Desc	Quantity	Unit	Unit Cost	Labor	Perm	Constr	Equip	Sub-	Total
Resource	Pcs					Material	Matl/Exp	Ment	Contract	
BID ITEM = 2050										
Description =	Exterior Furnishings		Unit =	LS	Takeoff	Quan:	1.000	Engr	Quan:	0.000
822160	==> Kom PC138/Cat 315/J	1.00	8.00	HR	50.871			407		407
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00	HR	22.883			183		183
889974	==> Plate Compactor	1.00	8.00	HR	15.000			120		120
LB002	Foreman, Laborer	1.00	8.00	MH	36.730	496				496
LB0101	Laborer, General	1.00	8.00	MH	34.980	479				479
OE0403	==> Excavator Op, >20<=8	1.00	8.00	MH	47.740	604				604
\$6,164.36	24.0000 MH/EA		24.00	MH	[955.6]	1,578	3,624	252	710	6,164
2050L	Bike Racks		Quan:	4.00	EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
										**Unreviewed
Bike racks updated to qty of 4										
Price quote from Landscape forms										
FM1102	1/MF;2/M		8.00	CH	Prod:	1.0000	S	Lab Pcs:	3.00	Eqp Pcs: 1.00
2CC10	Cement, per 94# Sack	1.00	2.00	SK	50.000		100			100
2F0003	Bike Racks	1.00	4.00	EA	470.000	1,880				1,880
2SHIPPING	Shipping Costs	1.00	1.00	EA	760.000	760				760
3ADD12	Small Tools & Supplies (12	1.00	1,700.00	LAB\$	0.120		204			204
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00	HR	22.883			183		183
CM001	Cement Mason Foreman	1.00	8.00	MH	41.970	585				585
CM01	Cement Mason Group I	2.00	16.00	MH	39.970	1,130				1,130
\$4,842.24	6.0000 MH/EA		24.00	MH	[243.82]	1,715	2,740	204	183	4,842
2050M	Playground Equipment		Quan:	1.00	LS	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
										**Unreviewed
2F0005	Tower Net Climber with Tu	1.00	1.00	EA	168,616.000	168,616				168,616
2F0006	Dome Net Climber Ball	1.00	1.00	EA	107,251.000	107,251				107,251
2F0007	See Saw-FreeRide	1.00	1.00	EA	11,368.000	11,368				11,368
2F0008	Arch Swings	1.00	1.00	EA	8,695.000	8,695				8,695
2F0009	Spinner Bowls	1.00	4.00	EA	1,460.000	5,840				5,840
2F0010	Curby Blocks	1.00	1.00	LS	13,525.000	13,525				13,525
2F0011	Half Balls	1.00	1.00	LS	4,233.000	4,233				4,233
2F0012	Box Drums	1.00	3.00	EA	2,210.000	6,630				6,630
4PLAYSUB	Playground Sub	1.00	1.00	LS	70,000.000				70,000	70,000
7FT001	Freight Allowance to Jobsite	1.00	1.00	LS	7,000.000		7,000			7,000
\$403,158.00					[]	326,158	7,000		70,000	403,158
2050N	F&I Precast Benches W/back		Quan:	18.00	EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
										**Unreviewed
Per 70% Precast is direct to be installed directly on finished surface										
Price provided from Outdoor Creations, this shipping is including star benches										
26 benches standard and 11 benches with back										
19 STRAIGHT PRECAST BENCHES										
EX0012	(Mod) PC 55 w/ 1/F;2/L		20.00	CH	Prod:	0.9000	UH	Lab Pcs:	4.00	Eqp Pcs: 2.00
2BENCHAH	Benches	1.00	18.00	EA	2,565.000	46,170				46,170
2SF10	Misc.Steel- Painted	1.00	18.00	EA	150.000	2,700				2,700
2SHIPPING	Shipping Costs	1.00	18.00	EA	150.000	2,700				2,700
3ADD12	Small Tools & Supplies (12	1.00	7,033.85	LAB\$	0.120		844			844
822160	==> Kom PC138/Cat 315/J	1.00	20.00	HR	50.871			1,017		1,017
838963	Cat 963 Track Loader	1.00	20.00	HR	108.655			2,173		2,173
883200	Pickup 3/4 tn, Gas (fo	1.00	20.00	HR	22.883			458		458
LB002	Foreman, Laborer	1.00	20.00	MH	36.730	1,240				1,240
LB0101	Laborer, General	2.00	40.00	MH	34.980	2,394				2,394
OE0503	Excavator Op, <20 Kip	1.00	20.00	MH	45.260	1,453				1,453
\$61,149.61	4.4444 MH/EA		80.00	MH	[168.833]	5,087	51,570	844	3,648	61,150
2050O	F&I Precast Benches		Quan:	19.00	EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001	

Per 70% Precast is direct to be installed directly on finished surface
Price provided from Outdoor Creations, this shipping is including star benches

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 2050											
Description =	Exterior Furnishings			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
26 benches standard and 11 benches with back											
19 STRAIGHT PRECAST BENCHES											
EX0012	(Mod) PC 55 w/ 1/F;2/L		24.00	CH	Prod:	0.7917	UH	Lab Pcs:	4.00	Eqp Pcs:	2.00
2BENCHAH	Benches	1.00	27.04	EA	2,210.000		59,758				59,758
2SHIPPING	Shipping Costs	1.00	19.00	EA	150.000		2,850				2,850
3ADD12	Small Tools & Supplies (12	1.00	7,424.62	LAB\$	0.120			891			891
822160	=> Kom PC138/Cat 315/J	1.00	24.00	HR	50.871				1,221		1,221
838963	Cat 963 Track Loader	1.00	24.00	HR	108.655				2,608		2,608
883200	Pickup 3/4 tn, Gas (fo	1.00	24.00	HR	22.883				549		549
LB002	Foreman, Laborer	1.00	24.00	MH	36.730	1,488					1,488
LB0101	Laborer, General	2.00	48.00	MH	34.980	2,873					2,873
OE0503	Excavator Op, <20 Kip	1.00	24.00	MH	45.260	1,744					1,744
\$73,981.99	5.0526 MH/EA		96.00	MH	[191.937]	6,105	62,608	891	4,378		73,982
2050P Bollards											
				Quan:	4.00	EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
Bollards purchase of 2500 and install by others											
4 Removable and 2 Fixed											
4STEEL015	Misc Fabricated Metal Sub	1.00	6.00	EA	3,200.000				19,200		19,200
***** Item Totals: 2050 - Exterior Furnishings											
\$834,275.04	724.0000 MH/LS		724.00	MH	[29054.12]	50,411	621,322	28,287	20,055	114,200	834,275
834,275.040	1 LS					50,410.63	621,322.30	28,287.14	20,054.97	114,200.00	834,275.04

**Unreviewed

BID ITEM = 2060											
Description =	Signage			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
2060A Install Park Signs											
				Quan:	3.00	EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
Install owner furnished signs, 1 day of a crew											
3 signs											
EX0012	(Mod) PC 55 w/ 1/F;2/L		8.00	CH	Prod:	1.0000	S	Lab Pcs:	3.00	Eqp Pcs:	2.00
2BA040	Aggregate Base (3/4" - 0")	1.00	3.00	TON	20.000		60				60
2C35	3500 PSI (24 MPa) Concret	1.00	3.00	CY	170.000		510				510
3ADD12	Small Tools & Supplies (12	1.00	1,553.00	LAB\$	0.120			186			186
822055	Kom PC55/Cat 305/JD 60	1.00	8.00	HR	39.005				312		312
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00	HR	22.883				183		183
LB002	Foreman, Laborer	1.00	8.00	MH	36.730	496					496
LB0101	Laborer, General	1.00	8.00	MH	34.980	479					479
OE0503	Excavator Op, <20 Kip	1.00	8.00	MH	45.260	581					581
\$2,807.65	8.0000 MH/EA		24.00	MH	[311.92]	1,556	570	186	495		2,808
***** Item Totals: 2060 - Signage											
\$2,807.65	24.0000 MH/LS		24.00	MH	[935.76]	1,556	570	186	495		2,808
2,807.650	1 LS					1,556.20	570.00	186.36	495.09		2,807.65

**Unreviewed

BID ITEM = 2070											
Description =	Fountains and Pools			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
2070A Spray Play Recirculating System											
				Quan:	1.00	LS	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
Quote provided by T-Edge											
4PLAYSUB	Playground Sub	1.00	1.00		620,000.000				620,000		620,000

**Unreviewed

Direct Cost Report

Activity	Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 2070												
Description =		Fountains and Pools			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
2070C		Spray Play Fountain Water Storage Allowa			Quan:	1.00	LS	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed												
Price given per Tim?												
4MECH005		Plumbing Subcontractor		1.00	1.00	LS	37,400.000				37,400	37,400
====>		Item Totals:		2070	- Fountains and Pools							
		\$657,400.00					[]				657,400	657,400
		657,400.000		1	LS						657,400.00	657,400.00
BID ITEM = 2095												
Description =		Landscape			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
2095A		Import Topsoil			Quan:	4,670.00	CY	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed												
Quoted from Miller Factors at 70% design												
48765 SF of shrubs and community garden area @ 18" = 2709 CY												
54009 SF of lawn areas @ .5" = 1000 CY												
4670 Banked CY of soil												
This item needs to be tracked as contingency												
4LAND		Landscape Sub		1.00	3,500.00	CY	53.000				185,500	185,500
2095B		3" Mulch			Quan:	200.00	CY	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed												
Quoted from Miller Factors at 70% design												
4LAND		Landscape Sub		1.00	200.00	CY	105.000				21,000	21,000
2095C		Hydroseed			Quan:	3.00	AC	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed												
Quoted from Miller Factors at 70% design												
4LAND		Landscape Sub		1.00	3.00	AC	4,500.000				13,500	13,500
2095D		2" Caliper Trees			Quan:	74.00	LS	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed												
Quoted from Miller Factors at 70% design												
4LAND		Landscape Sub		1.00	75.00		415.000				31,125	31,125
2095E		Plants-5 gallon Shrubs			Quan:	33,962.00	SF	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed												
Quoted from Miller Factors at 70% design												
4LAND		Landscape Sub		1.00	42,162.00		2.000				84,324	84,324
7095F		Irrigation			Quan:	1.00	LS	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed												
Quoted from Miller Factors at 70% design												
4LAND		Landscape Sub		1.00	30.00	EA	4,675.000				140,250	140,250
7095G		Developed Maintenance			Quan:	2.00	EA	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed												
Quoted from Miller Factors at 70% design												
4LAND		Landscape Sub		1.00	2.00	YR	12,000.000				24,000	24,000
7095H		Geotextile Fabric			Quan:	2,730.00	SF	Hrs/Shft:	8.00	Cal: 040	WC: OR001	
**Unreviewed												
geotextile for mulch paths and retaining wall												
EX0212		PC 88 w/ 1/F:2/L			8.00	CH	Prod:	1.0000	S	Lab Pcs:	4.00	Eqp Pcs: 2.00
2ET32		Woven Geotextile		1.00	2,730.00	SF	0.150		410			410
3ADD12		Small Tools & Supplies (12		1.00	2,031.00	LAB\$	0.120			244		244

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 2095										
Description =	Landscape		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
822088	Kom PC88/Cat 308/JD 85	1.00	8.00 HR	42.746				342		342
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00 HR	22.883				183		183
LB002	Foreman, Laborer	1.00	8.00 MH	36.730	496					496
LB0101	Laborer, General	2.00	16.00 MH	34.980	958					958
OE0403	Excavator Op, >20=<80 Ki	1.00	8.00 MH	47.740	604					604
\$3,235.34	0.0117 MH/SF		32.00 MH	[0.453]	2,057	410	244	525		3,235
=====> Item Totals: 2095 - Landscape										
\$502,934.34	32.0000 MH/LS		32.00 MH	[1235.44]	2,057	410	244	525	499,699	502,934
502,934.340	1 LS				2,057.10	409.50	243.72	525.02	499,699.00	502,934.34

Total of Above Sub-Biditems

=====> Item Totals: 2000 - Site Improvements										
\$3,314,295.25	7,164.0000 MH/LS		7,164.00 MH	[288351.46]	505,206	973,223	184,267	73,687	1,577,913	3,314,295
3,314,295.250	1 LS				505,205.60	973,222.80	184,266.82	73,686.92	1,577,913.11	3,314,295.25

PARENT ITEM = 3000										
Description =	Site Mechanical Improvements		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		1.000
Listing of Sub-Biditems of Parent Item 3000:										

BID ITEM = 3010										
Description =	Water Supply		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000

3010A	1-1/2" Lou Water Supply Excavation and I	Quan:	526.00 LF	Hrs/Shift:	8.00	Cal:	040	WC:	OR001	**Unreviewed
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This item is for excavation, install and backfill, first 6" included in clear and grub

Assumed at a 2' trench

Assumed 3'*2' trench

=2*2.5*526/27= 97 using 1.6 waste factor

6" of sand to cover

2' of rock

Top 6" Finished surface is included in other items

UT2012	(Mod) PC 200 w/1/F;2/L		40.00 CH	Prod:	5.0000 S	Lab Pcs:	4.00	Eqp Pcs:	3.75	
2BA040	Aggregate Base (3/4" - 0")	1.40	152.60 TON	25.000	3,815					3,815
2BB213	Sand Backfill (Pit Run)	1.10	22.00 TON	8.000	176					176
2UCU001.5	1-1/2" Copper Pipe	1.00	526.00 LF	6.500	3,419					3,419
3ADD12	Small Tools & Supplies (12	1.00	8,500.00 LAB\$	0.120		1,020				1,020
3DCF01	Dump Fee - Excess Excavat	0.10	9.70 CY	15.000		146				146
7HR0016	Dump Truck Super	1.00	9.70 CY	18.000		175				175
7TN100	Haul Agg Subbase /Ton	1.00	178.00 TON	16.000		2,848				2,848
822200	KomPC228/Cat325/JD245	1.00	40.00 HR	74.872				2,995		2,995
880400	Water Truck 2000 Gal,	0.25	10.00 HR	55.077				551		551
882730	5 YD Dump Truck	1.00	40.00 HR	39.480				1,579		1,579
883200	Pickup 3/4 tn, Gas (fo	1.00	40.00 HR	22.883				915		915
887550	Walkbhd DD Roller	0.50	20.00 HR	17.125				343		343
LB002	Foreman, Laborer	1.00	40.00 MH	36.730	2,480					2,480
LB0402	Laborer, Pipe Layer	2.00	80.00 MH	36.250	4,913					4,913
OE0403	Excavator Op, >20=<80 Ki	1.00	40.00 MH	47.740	3,018					3,018
\$28,392.04	0.3041 MH/LF		160.00 MH	[11.937]	10,411	7,410	4,188	6,383		28,392

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Perm Labor	Constr Material	Equip Matl/Exp	Sub- Contract	Total
BID ITEM = 3010										
Description =	Water Supply			Unit =	LS	Takeoff Quan:	1.000	Engr Quan:		0.000
3010B	Water Isolation Valve			Quan:	1.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001	
										**Unreviewed
Install water isolation valve										
<u>UT2012</u>	(Mod) PC 200 w/ 1/F;2/L		8.00	CH	Prod:	1.0000 S	Lab Pcs:	4.00	Eqp Pcs:	2.00
2URC001	Pipe Gaskets / Misc.	1.00	1.00	EA	600.000	600				600
3ADD12	Small Tools & Supplies (12	1.00	2,100.00	LAB\$	0.120		252			252
822200	KomPC228/Cat325/JD245	1.00	8.00	HR	74.872			599		599
883200	Pickup 3/4 tn, Gas (fo	1.00	8.00	HR	22.883			183		183
LB002	Foreman, Laborer	1.00	8.00	MH	36.730	496				496
LB0402	Laborer, Pipe Layer	2.00	16.00	MH	36.250	983				983
OE0403	Excavator Op, >20=<80 Ki	1.00	8.00	MH	47.740	604				604
\$3,716.28	32.0000 MH/EA		32.00	MH	[1255.76]	2,082	600	252	782	3,716
3010C	3" Waterline			Quan:	857.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001	
										**Unreviewed
This item is for excavation, install and backfill										
First 6" captured in clear and grub										
=857*2*2.5										
=254/18*2= 29 trucking hours										
Backfill with 6" of sand and 2'of agg base. 6"Final Surface is captured in other areas										
<u>UT2012</u>	(Mod) PC 200 w/ 1/F;2/L		64.00	CH	Prod:	8.0000 S	Lab Pcs:	4.00	Eqp Pcs:	3.75
2BA040	Aggregate Base (3/4" - 0")	1.40	247.80	TON	25.000	6,195				6,195
2BB102	Screened Sand	1.00	49.50	TN	20.000	990				990
2UP803	3" PVC Pipe - Sch. 80	1.00	857.00	LF	3.500	3,000				3,000
3ADD12	Small Tools & Supplies (12	1.00	14,500.00	LAB\$	0.120		1,740			1,740
3DCF01	Dump Fee - Excess Excavat	0.10	15.90	CY	15.000		239			239
7HR0016	Dump Truck Super	1.00	15.90	HR	18.000		286			286
7TN100	Haul Agg Subbase /Ton	1.00	325.00	TON	16.000		5,200			5,200
822200	KomPC228/Cat325/JD245	1.00	64.00	HR	74.872			4,792		4,792
880400	Water Truck 2000 Gal,	0.25	16.00	HR	55.077			881		881
882730	5 YD Dump Truck	1.00	64.00	HR	39.480			2,527		2,527
883200	Pickup 3/4 tn, Gas (fo	1.00	64.00	HR	22.883			1,465		1,465
887550	Walkbhd DD Roller	0.50	32.00	HR	17.125			548		548
LB002	Foreman, Laborer	1.00	64.00	MH	36.730	3,969				3,969
LB0402	Laborer, Pipe Layer	2.00	128.00	MH	36.250	7,861				7,861
OE0403	Excavator Op, >20=<80 Ki	1.00	64.00	MH	47.740	4,828				4,828
\$44,519.47	0.2987 MH/LF		256.00	MH	[11.722]	16,658	10,185	7,465	10,212	44,519
3010E	3/4" Water Line			Quan:	278.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001	
										**Unreviewed
This item is for excavation, install and backfill										
First 6" captured in clear and grub										
=278*2*2.5=										
=456/18*2= 10 trucking hours										
Backfill with 6" of sand and 2'of agg base. Final Surface is captured in other areas										
<u>UT2012</u>	(Mod) PC 200 w/ 1/F;2/L		20.00	CH	Prod:	2.5000 S	Lab Pcs:	4.00	Eqp Pcs:	3.25
2BA040	Aggregate Base (3/4" - 0")	1.40	81.20	TON	25.000	2,030				2,030
2BB102	Screened Sand	1.00	16.06	TN	20.000	321				321
2UCU000.75	3/4" Copper Pipe	1.00	278.00	LF	3.700	1,029				1,029
3ADD12	Small Tools & Supplies (12	1.00	4,100.00	LAB\$	0.120		492			492
3DCF01	Dump Fee - Excess Excavat	0.10	5.20	CY	15.000		78			78
7HR0016	Dump Truck Super	1.00	5.20	CY	18.000		94			94
7TN100	Haul Agg Subbase /Ton	1.00	64.00	TON	16.000		1,024			1,024
822200	KomPC228/Cat325/JD245	1.00	20.00	HR	74.872			1,497		1,497
880400	Water Truck 2000 Gal,	0.25	5.00	HR	55.077			275		275
882730	=> 5 YD Dump Truck	1.00	16.00	HR	39.480			632		632
883200	Pickup 3/4 tn, Gas (fo	1.00	20.00	HR	22.883			458		458
887550	Walkbhd DD Roller	1.00	20.00	HR	17.125			343		343

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 3010											
Description =	Water Supply			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
LB002	Foreman, Laborer	1.00	20.00	MH	36.730	1,240					1,240
LB0402	Laborer, Pipe Layer	2.00	40.00	MH	36.250	2,457					2,457
OE0403	Excavator Op, >20=<80 Ki	1.00	20.00	MH	47.740	1,509					1,509
\$13,477.71	0.2877 MH/LF		80.00	MH	[11.293]	5,206	3,380	1,688	3,205		13,478
3010D Drinking Fountain Connections											
						Quan:	3.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001
3drinking fountatins that need to be installed, this item includes connections and fittings. Assume that 3											**Unreviewed
fountains at 4 HRS per fountain.											
Potential work for a subcontractor											
Item did not change											
UT1012	(Mod) PC138 w/ 1/F;2/L		16.00	CH	Prod:	2.0000 S	Lab Pcs:	5.00	Eqp Pcs:	3.00	
3ADD12	Small Tools & Supplies (12	1.00	5,272.00	LAB\$	0.120		633				633
822160	Kom PC138/Cat 315/JD 1	1.00	16.00	HR	50.871				814		814
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00	HR	22.883				366		366
887540	30" Vib PL Wacker	1.00	16.00	HR	9.359				150		150
LB002	Foreman, Laborer	1.00	16.00	MH	36.730	992					992
LB0402	Laborer, Pipe Layer	2.00	32.00	MH	36.250	1,965					1,965
OE0403	Excavator Op, >20=<80 Ki	2.00	32.00	MH	47.740	2,414					2,414
\$7,333.92	26.6666 MH/EA		80.00	MH	[1091.787]	5,372		633	1,330		7,334
3010F Water Supply Connections											
						Quan:	1.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001
Pumber plug Water supply connections											**Unreviewed
UT1012	(Mod) PC138 w/ 1/F;2/L		8.00	CH	Prod:	1.0000 S	Lab Pcs:	0.00	Eqp Pcs:	0.00	
4UTILITY01	Water Line Subcontractor	1.00	1.00	EA	5,000.000				5,000		5,000
3010G Irrigation Back Flow Preventer											
						Quan:	1.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001
Landscaping sub											**Unreviewed
4LAND	Landscape Sub	1.00	1.00	EA	5,000.000				5,000		5,000
====> Item Totals: 3010 - Water Supply											
\$107,439.42	608.0000 MH/LS		608.00	MH	[23995.4]	39,729	21,574	14,225	21,911	10,000	107,439
107,439.420	1 LS					39,728.72	21,574.30	14,225.04	21,911.36	10,000.00	107,439.42

BID ITEM = 3020

Description = Sanitary Sewer

Unit = LS Takeoff Quan: 1.000 Engr Quan: 0.000

3020D 6" PVC Park Sanitary Sewer											
						Quan:	582.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001
This item is for excavation, install and backfill											**Unreviewed
First 6" captured in clear and grub											
Top 6" of excavation captured in clear and grub											
=582*2*2.5=108											
=173/18*2= 10 trucking hours											
Backfill with 6" of sand and 2' of agg base. Final Surface is captured in other areas											
UT2012	(Mod) PC 200 w/ 1/F;2/L		48.00	CH	Prod:	6.0000 S	Lab Pcs:	4.00	Eqp Pcs:	3.50	
2BA040	Aggregate Base (3/4" - 0")	1.20	72.00	TON	25.000	1,800					1,800
2BB213	Sand Backfill (Pit Run)	1.10	33.62	TON	8.000	269					269
2UP806	6" PVC Pipe - Sch.80	1.00	582.00	LF	2.220	1,292					1,292
3ADD12	Small Tools & Supplies (12	1.00	10,600.00	LAB\$	0.120		1,272				1,272
3DCF01	Dump Fee - Excess Excavat	0.10	10.80	CY	15.000		162				162
7HR0016	Dump Truck Super	1.00	10.80	CY	18.000		194				194
7TN100	Haul Agg Subbase /Ton	1.00	105.00	TON	16.000		1,680				1,680
822200	KomPC228/Cat325/JD245	1.00	48.00	HR	74.872				3,594		3,594
880400	=> Water Truck 2000 Gal,	0.25	15.95	HR	55.077				878		878

Direct Cost Report

Activity	Desc		Quantity		Unit	Cost	Labor	Perm	Constr	Equip	Sub-	Total
Resource		Pcs		Unit				Material	Matl/Exp	Ment	Contract	
BID ITEM = 3020												
Description =	Sanitary Sewer			Unit =	LS		Takeoff Quan:		1.000	Engr Quan:		0.000
882730	5 YD Dump Truck	1.00	48.00	HR		39.480				1,895		1,895
883200	Pickup 3/4 tn, Gas (fo	1.00	48.00	HR		22.883				1,098		1,098
887550	Walkbhd DD Roller	0.50	24.00	HR		17.125				411		411
LB002	Foreman, Laborer	1.00	48.00	MH		36.730	2,977					2,977
LB0402	Laborer, Pipe Layer	2.00	96.00	MH		36.250	5,896					5,896
OE0403	Excavator Op, >20=<80 Ki	1.00	48.00	MH		47.740	3,621					3,621
\$27,039.63	0.3298 MH/LF		192.00	MH		[12.946]	12,494	3,361	3,308	7,877		27,040
3020F	6" Sanitary Sewer Cleanout			Quan:	16.00 EA		Hrs/Shift:	8.00	Cal: 040	WC: OR001		
												**Unreviewed
Included 6"	sanitary line install											
UT2012	PC 200 w/ 1/F;2/L		16.00	CH		Prod:	2.0000 S		Lab Pcs:	4.00	Eqp Pcs:	3.00
2ZJKB001	Cleanout Materials	1.00	16.00	EA		200.000		3,200				3,200
3ADD12	Small Tools & Supplies (12	1.00	4,150.00	LAB\$		0.120			498			498
822200	KomPC228/Cat325/JD245	1.00	16.00	HR		74.872				1,198		1,198
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00	HR		22.883				366		366
887550	Walkbhd DD Roller	1.00	16.00	HR		17.125				274		274
LB002	Foreman, Laborer	1.00	16.00	MH		36.730	992					992
LB0202	Laborer, Tamper/Compacto	1.00	16.00	MH		34.980	958					958
LB0402	Laborer, Pipe Layer	1.00	16.00	MH		36.250	983					983
OE0403	Excavator Op, >20=<80 Ki	1.00	16.00	MH		47.740	1,207					1,207
\$9,675.40	4.0000 MH/EA		64.00	MH		[155.7]	4,139	3,200	498	1,838		9,675
====>	Item Totals:	3020	-	Sanitary Sewer								
\$36,715.03	256.0000 MH/LS		256.00	MH		[10025.76]	16,633	6,561	3,806	9,715		36,715
36,715.030	1 LS						16,632.88	6,561.00	3,806.40	9,714.75		36,715.03

BID ITEM = 3030										
Description = Storm		Unit =		LS	Takeoff Quan:	1.000	Engr Quan:		0.000	
3030A	6" PVC Storm			Quan:	450.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001	
**Unreviewed										
450LF = 450*2*2 = 84 cy										
84/18*2= 10 trucking hours										
Backfill of 6" of sand and 2 ft of rock, final 6" included in surface										
UT2012	(Mod) PC 200 w/ 1/F;2/L	24.00	CH	Prod:	3.0000 S	Lab Pcs:	3.00	Eqp Pcs:	3.00	
2BA040	Aggregate Base (3/4" - 0")	1.20	134.40 TON	20.000	2,688				2,688	
2BB213	Sand Backfill (Pit Run)	1.10	26.36 TON	8.000	211				211	
2UP206	6" PVC Pipe - SDR 35	1.00	450.00 LF	2.330	1,049				1,049	
3ADD12	Small Tools & Supplies (12	1.00	5,500.00 LAB\$	0.120		660			660	
3DCF01	Dump Fee - Excess Excavat	1.60	134.40 CY	15.000		2,016			2,016	
7HR0016	Dump Truck Super	1.00	10.00 HR	160.000		1,600			1,600	
7TN100	Haul Agg Subbase /Ton	1.00	134.40 TON	16.000		2,150			2,150	
822200	KomPC228/Cat325/JD245	1.00	24.00 HR	74.872			1,797		1,797	
883200	Pickup 3/4 tn, Gas (fo	1.00	24.00 HR	22.883			549		549	
887550	Walkbhd DD Roller	1.00	24.00 HR	17.125			411		411	
LB002	Foreman, Laborer	1.00	24.00 MH	36.730	1,488				1,488	
LB0402	Laborer, Pipe Layer	1.00	24.00 MH	36.250	1,474				1,474	
OE0403	Excavator Op, >20=<80 Ki	1.00	24.00 MH	47.740	1,811				1,811	
\$17,903.63	0.1600 MH/LF		72.00 MH	[6.438]	4,773	3,947	6,426	2,757		17,904
3030B	48" Drywell			Quan:	3.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001	

3 48" Dry wells, 1 at 8' deep and 2 at 7' deep.
Excavation 7*7*8=15*2 CY and 9*9*9= 27 CY
57/18*2=

**Unreviewed

Direct Cost Report

Activity	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 3030											
Description = Storm				Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
33Tons+37Tons											
UT2012	(Mod) PC 200 w/ 1/F;2/L		48.00	CH	Prod:	6.0000 S		Lab Pcs:	4.00	Eqp Pcs:	3.00
2BB105	Drain Backfill (1-1/4"x3/4")	1.00	70.00	TON	25.000		1,750				1,750
2PUM999	48" Drywell	1.00	3.00	EA	13,000.000		39,000				39,000
3ADD12	Small Tools & Supplies (12	1.00	12,346.50	LAB\$	0.120			1,482			1,482
3DCF01	Dump Fee - Excess Excavat	1.60	91.20	CY	15.000			1,368			1,368
7HR0016	Dump Truck Super	1.00	7.00	HR	160.000			1,120			1,120
7TN100	Haul Agg Subbase /Ton	1.00	70.00	TON	16.000			1,120			1,120
822200	KomPC228/Cat325/JD245	1.00	48.00	HR	74.872				3,594		3,594
883200	Pickup 3/4 tn, Gas (fo	1.00	48.00	HR	22.883				1,098		1,098
887550	Walkbhd DD Roller	1.00	48.00	HR	17.125				822		822
LB002	Foreman, Laborer	1.00	48.00	MH	36.730	2,977					2,977
LB0402	Laborer, Pipe Layer	2.00	96.00	MH	36.250	5,896					5,896
OE0403	Excavator Op, >20=<80 Ki	1.00	48.00	MH	47.740	3,621					3,621
\$63,847.32	64.0000 MH/EA		192.00	MH	[2511.52]	12,494	40,750	5,090	5,514		63,847
3030C	12" Lynch Style Catch Basin			Quan:	6.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
											**Unreviewed
\$600 each purchase from ferguson											
3 shifts for install											
UT1013	(Mod) PC138 w/ 1/F;3/L		24.00	CH	Prod:	3.0000 S		Lab Pcs:	4.00	Eqp Pcs:	3.00
2BA040	Aggregate Base (3/4" - 0")	1.00	20.00	TON	20.000		400				400
3ADD12	Small Tools & Supplies (12	1.00	6,158.00	LAB\$	0.120			739			739
4UTILITY05	Storm Drain Subcontractor	1.00	6.00	EA	600.000					3,600	3,600
7TN100	Haul Agg Subbase /Ton	1.00	20.00	TON	16.000			320			320
822160	Kom PC138/Cat 315/JD 1	1.00	24.00	HR	50.871				1,221		1,221
883200	Pickup 3/4 tn, Gas (fo	1.00	24.00	HR	22.883				549		549
887540	30" Vib PL Wacker	1.00	24.00	HR	9.359				225		225
LB002	Foreman, Laborer	1.00	24.00	MH	36.730	1,488					1,488
LB0402	Laborer, Pipe Layer	2.00	48.00	MH	36.250	2,948					2,948
OE0403	Excavator Op, >20=<80 Ki	1.00	24.00	MH	47.740	1,811					1,811
\$13,300.41	16.0000 MH/EA		96.00	MH	[627.88]	6,247	400	1,059	1,995	3,600	13,300
====>	Item Totals:	3030	- Storm								
\$95,051.36	360.0000 MH/LS		360.00	MH	[14199.12]	23,513	45,097	12,575	10,266	3,600	95,051
95,051.360	1 LS					23,513.05	45,097.38	12,574.94	10,265.99	3,600.00	95,051.36
Total of Above Sub-Biditems											
====>	Item Totals:	3000	- Site Mechanical Improvements								
\$239,205.81	1,224.0000 MH/LS		1,224.00	MH	[48220.28]	79,875	73,233	30,606	41,892	13,600	239,206
239,205.810	1 LS					79,874.65	73,232.68	30,606.38	41,892.10	13,600.00	239,205.81

PARENT ITEM = 4000

Description = Site Electrical Utilities

Unit =

LS

Takeoff Quan:

1.000

Engr Quan:

1.000

Listing of Sub-Biditems of Parent Item 4000:

BID ITEM = 4005

Description = Electrical Excavation

Unit =

LS

Takeoff Quan:

1.000

Engr Quan:

0.000

Direct Cost Report

Activity	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 4005											
Description = Electrical Excavation				Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		0.000
4005A	Electrical Excavation			Quan:	3,675.00 LF	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
**Unreviewed											
per 70% 3675 lf											
First 6" captured in clear and grub											
=3675*2*2.5= 681											
681/18*2=76 HRS											
3675*.5*2/27*1.4= 190 Tons											
3675*2*2/27*1.4=											
Final 6" inches											
EX2012	(Mod) PC 200 w/ 1/F;2/L		280.00	CH	Prod:	35.0000 S	Lab Pcs:	3.00	Eqp Pcs:	3.00	
2BA040	Aggregate Base (3/4" - 0")	1.40	889.00 TON		30.000		26,670				26,670
2BB213	Sand Backfill (Pit Run)	1.10	209.00 TON		20.000		4,180				4,180
3ADD12	Small Tools & Supplies (12	1.00	34,070.00 LAB\$		0.120			4,088			4,088
3DCF01	Dump Fee - Excess Excavat	0.10	68.10 CY		15.000			1,022			1,022
7HR0016	Dump Truck Super	1.00	68.10 CY		18.000			1,226			1,226
7TN100	Haul Agg Subbase /Ton	1.00	1,098.00 TON		16.000			17,568			17,568
822160	Kom PC138/Cat 315/JD 1	1.00	280.00 HR		50.871				14,244		14,244
880400	=> Water Truck 2000 Gal,	0.25	40.00 HR		55.077				2,203		2,203
882730	5 YD Dump Truck	1.00	280.00 HR		39.480				11,054		11,054
883200	Pickup 3/4 tn, Gas (fo	1.00	280.00 HR		22.883				6,407		6,407
LB002	Foreman, Laborer	1.00	280.00 MH		36.730	17,363					17,363
LB0101	Laborer, General	1.00	280.00 MH		34.980	16,757					16,757
OE0403	Excavator Op, >20=<80 Ki	1.00	280.00 MH		47.740	21,123					21,123
\$143,904.42	0.2285 MH/LF		840.00 MH		[9.101]	55,242	30,850	23,904	33,909		143,904
4005B	Vault Excavation			Quan:	4.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
**Unreviewed											
4 total vaults, no details on placement.											
Raimore needs clarification on vault install.											
EX2012	PC 200 w/ 1/F;2/L		16.00	CH	Prod:	2.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
2BA040	Aggregate Base (3/4" - 0")	1.00	8.00 TON		30.000		240				240
3ADD12	Small Tools & Supplies (12	1.00	6,145.00 LAB\$		0.120			737			737
3DCF01	Dump Fee - Excess Excavat	0.10	0.40 CY		15.000			6			6
7HR0016	Dump Truck Super	1.00	0.40 CY		18.000			7			7
822160	Kom PC138/Cat 315/JD 1	1.00	16.00 HR		50.871				814		814
883200	Pickup 3/4 tn, Gas (fo	1.00	16.00 HR		22.883				366		366
LB002	Foreman, Laborer	1.00	16.00 MH		36.730	992					992
LB0101	Laborer, General	1.00	16.00 MH		34.980	958					958
OE0403	Excavator Op, >20=<80 Ki	1.00	16.00 MH		47.740	1,207					1,207
\$5,327.32	12.0000 MH/EA		48.00 MH		[477.8]	3,157	240	751	1,180		5,327
4005C	Light Pole Excavation			Quan:	41.00 EA	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
**Unreviewed											
Excavation, compact and electrical support for placement of light poles											
EX2012	PC 200 w/ 1/F;2/L		40.00	CH	Prod:	5.0000 S	Lab Pcs:	3.00	Eqp Pcs:	2.00	
2BA040	Aggregate Base (3/4" - 0")	1.00	60.00 TON		30.000		1,800				1,800
3ADD12	Small Tools & Supplies (12	1.00	10,000.00 LAB\$		0.120			1,200			1,200
3DCF01	Dump Fee - Excess Excavat	0.10	5.00 CY		15.000			75			75
7HR0016	Dump Truck Super	1.00	5.00 CY		18.000			90			90
822160	Kom PC138/Cat 315/JD 1	1.00	40.00 HR		50.871				2,035		2,035
882730	=> 5 YD Dump Truck	1.00	40.00 HR		39.480				1,579		1,579
883200	Pickup 3/4 tn, Gas (fo	1.00	40.00 HR		22.883				915		915
LB002	Foreman, Laborer	1.00	40.00 MH		36.730	2,480					2,480
LB0101	Laborer, General	1.00	40.00 MH		34.980	2,394					2,394
OE0403	Excavator Op, >20=<80 Ki	1.00	40.00 MH		47.740	3,018					3,018
\$15,586.09	2.9268 MH/EA		120.00 MH		[116.537]	7,892	1,800	1,365	4,529		15,586
=====											
Item Totals:		4005	- Electrical Excavation								
\$164,817.83	1,008.0000 MH/LS		1,008.00 MH		[40135.2]	66,291	32,890	26,019	39,618		164,818

Activity	Resource	Desc	Pcs	Quantity	Unit	Unit Cost	Labor	Material	Perm	Constr	Matl/Exp	Equip	Ment	Sub-Contract	Total
BID ITEM = 4005															
Description =		Electrical Excavation			Unit =	LS	Takeoff	Quan:		1.000		Engr	Quan:		0.000
164,817.830			1	LS			66,290.53	32,890.00	26,019.30	39,618.00					164,817.83
BID ITEM = 4010															
Description =		Electrical Distribution			Unit =	LS	Takeoff	Quan:		1.000		Engr	Quan:		0.000
====> Item Totals:		4010	- Electrical Distribution												
\$0.00							[]								
0.000			1	LS											
BID ITEM = 4020															
Description =		Site Lighting			Unit =	LS	Takeoff	Quan:		1.000		Engr	Quan:		0.000
4020A		Power Conduit			Quan:	1.00	LS	Hrs/Shft:	8.00	Cal:	040	WC:	OR001		
**Unreviewed															
All conduit and wiring for the project															
4ELECT001		Electrical Subcontractor	1.00	1.00	LS		190,038.000						190,038		190,038
4020B		Cabinets and Lighting Control			Quan:	3.00	EA	Hrs/Shft:	8.00	Cal:	040	WC:	OR001		
**Unreviewed															
Electrical Cabinet \$18049 (1)		Lighting Control Cabinet \$2877 EA (2)													
FM1123 (Mod) 1/MF;3/M;2/L		8.00 CH					Prod:	1.0000	S	Lab Pcs:	0.00	Eqp Pcs:	0.00		0.00
4ELECT001		Electrical Subcontractor	1.00	1.00	LS		25,656.000						25,656		25,656
4020C		P01 Fixtures			Quan:	1.00	EA	Hrs/Shft:	8.00	Cal:	040	WC:	OR001		
**Unreviewed															
4ELECT001		Electrical Subcontractor	1.00	1.00	EA		95,657.000						95,657		95,657
4020D		Light Pole			Quan:	41.00	EA	Hrs/Shft:	8.00	Cal:	040	WC:	OR001		
**Unreviewed															
41 poles for 70% estimate															
4ELECT001		Electrical Subcontractor	1.00	41.00	EA		5,279.000						216,439		216,439
====> Item Totals:		4020	- Site Lighting												
\$527,790.00							[]								
527,790.000			1	LS									527,790		527,790
BID ITEM = 4030															
Description =		Site Communication and Security			Unit =	LS	Takeoff	Quan:		1.000		Engr	Quan:		0.000
====> Item Totals:		4030	- Site Communication and Security												
\$0.00							[]								
0.000			1	LS											
Total of Above Sub-Biditems															
====> Item Totals:		4000	- Site Electrical Utilities												
\$692,607.83		1,008.0000	MH/LS		1,008.00	MH	[40135.2]	66,291	32,890	26,019	39,618	527,790		692,608	
692,607.830			1	LS				66,290.53	32,890.00	26,019.30	39,618.00	527,790.00		692,607.83	

Direct Cost Report

Activity Resource	Desc	Pcs	Quantity Unit	Unit Cost	Labor	Perm Material	Constr Matl/Exp	Equip Ment	Sub- Contract	Total
BID ITEM = 11000										
Description =	Subcontractor Bonds		Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		1.000
11000A	Bond		Quan:	1.00 LS	Hrs/Shift:	8.00	Cal: 040	WC: OR001		
										**Unreviewed
Subcontractor bonds are part of reimbursable costs. 3,047,252*.015= \$45,708										
9B001	Payment & Performance Bo	1.00	1.00 LS	34,731.045			34,731			34,731
====> Item Totals: 11000 - Subcontractor Bonds										
\$34,731.05				[]			34,731			34,731
34,731.050		1 LS					34,731.05			34,731.05
\$6,610,529.33	*** Report Totals ***		13,885.00 MH		1,697,135	1,195,208	1,027,541	375,243	2,315,403	6,610,529

>>> indicates Non Additive Activity

-----Report Notes:-----

The estimate was prepared with TAKEOFF Quantities.

This report shows TAKEOFF Quantities with the resources.

'Unreviewed' Activities are marked.

Bid Date: 05/18/22 Owner: Engineering Firm:

Estimator-In-Charge: AH

JOB NOTES

*****Estimate created on: 03/28/2022 by User#: 3 - dbarritt
Source estimate used: \\10.0.1.11\HCSS\EST\20003-A

*****Estimate created on: 05/11/2022 by User#: 3 - dbarritt
Source estimate used: H:\EST\22005

*****Estimate created on: 02/08/2023 by User#: 4 - ahenry
Source estimate used: H:\EST\22007

* on units of MH indicate average labor unit cost was used rather than base rate.

[] in the Unit Cost Column= Labor Unit Cost Without Labor Burdens

In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE%

-----Calendar Codes-----

040	40 Hr Week (5 X 8 Hrs) (Default Calendar)
045	45 Hr Week (5 X 9 Hrs)
050	50 Hr Week (5 X 10 Hrs)
051	50 hr week (5x10)Night
056	56 HR Week (7 X 8 Hrs)
060	60 Hr Week (5 X 12 Hrs)
070	70 Hr Week (7 X 10 Hrs)
084	84 HR Week (7 X 12 Hrs)
100	Weekend Work 8 Hr Shifts
102	Weekend Work 10 Hr Shifts
104	Weekend Work 12 Hr Shifts
110	Saturday Work 8 Hr Shift
112	Saturday Work 10 HR Shift
114	Saturday Work 12 HR Shift
120	Sunday Work 8 Hr Shift
122	Sunday Work 10 Hr Shift
124	Sunday Work 12 Hr Shift

Mill Park Development Unit Price Break Down

	Item Description	Qty	UM	\$/UM	Total
	G1010 SITE CLEARING				
	TEMP SITE FENCE	2,000	LF	\$ 6	\$ 12,250
	6" CLEAR AND GRUB/OFFHAUL OF ORGANICS	3,948	CY	\$ 82.76	\$ 326,756
	REMOVE EXISTING TREES - 6" THRU 36"	40	EA	\$ 993	\$ 39,732
	CHAINLINK TREE PROTECTION FENCE	3,779	LF	\$ 10	\$ 37,000
	ONSITE ARBORIST	80	HR	\$ 220	\$ 17,600
	SITE CLEARING SUBTOTAL				\$ 433,338
	G1020 SITE DEMOLITION & RELOCATIONS				
	PAVEMENT DEMO (parking lot)	226	SF	\$ 58	\$ 13,031
	MISCELLANEOUS ON-SITE DEMO	1	LS	\$ 946	\$ 946
	EXISTING BUILDING DEMO	1	LS	\$ 118,000	\$ 118,000
	BACKFILL OF BUILDING FOUNDATION	750	CY	\$ 88	\$ 65,687
	EXISTING UTILITIES DEMO	2	EA	\$ 2,241	\$ 4,482
	FENCE DEMO	90	LF	\$ 27	\$ 2,431
	BOLLARD REMOVAL	18	EA	\$ 67	\$ 1,204
	ROW DEMO	8	CY	\$ 267	\$ 2,134
	DRYWELL DEMO AND DECOMMISSION	2	EA	\$ 7,311	\$ 14,623
	SITE DEMOLITION & RELOCATIONS SUBTOTAL				\$ 222,538
					\$ -
	G1030 SITE EARTHWORK				\$ -
	EROSION CONTROL FENCE	3,380	LF	\$ 8	\$ 25,375
	EROSION INLET PROTECTION	9	EA	\$ 309	\$ 2,785
	G1030 SITE EARTHWORK SUBTOTAL				\$ 28,161
	G2010 ROADWAYS				
	ROW EX	30	CY	\$ 197	\$ 5,910
	CONCRETE SIDEWALK 4" THICK @ ROW	1,575	SF	\$ 13	\$ 20,258
	ROADWAYS SUBTOTAL				\$ 26,168
	G2030 PEDESTRIAN PAVING				\$ -
	4" CONCRETE EX/GRADE INCLUDING ROCK	110	CY	\$ 214	\$ 23,553
	6" CONCRETE EX/GRADE INCLUDING ROCK	958	CY	\$ 136	\$ 130,345
	CONCRETE RETAINING WALL EX/GRADE INCLUDING ROCK	18	CY	\$ 222	\$ 3,996
	CONCRETE HEADER EX/GRADE INCLUDING ROCK	5	CY	\$ 196	\$ 982
	CONCRETE THICKENED EDGE EX/GRADE INCLUDING ROCK	6	CY	\$ 229	\$ 1,372
	CONCRETE PATHWAY 6" THICK TYPE 1	30,449	SF	\$ 11	\$ 342,361
	CONCRETE PATHWAY 6" THICK TYPE 2	8,197	SF	\$ 13	\$ 102,807
	CONCRETE PATHWAY 6" THICK TYPE 3	13,060	SF	\$ 13	\$ 168,193
	CONCRETE SIDEWALK 4" THICK	8,982	SF	\$ 6	\$ 53,327
	CONCRETE THICKENED EDGE WALKWAY	156	LF	\$ 28	\$ 4,327
	CONCRETE HEADER 6"	385	LF	\$ 41	\$ 15,922
	CONCRETE HEADER 12"	49	LF	\$ 49	\$ 2,390
	PEDESTRIAN PAVING SUBTOTAL				\$ 849,576
	G2040 SITE DEVELOPMENT				
	4' WELDED WIRE MESH FENCE	589	LF	\$ 78	\$ 46,114
	WELDED WIRE MESH SINGLE SWING GATE 8'	1	EA	\$ 1,323	\$ 1,323
	WELDED WIRE MESH DOUBLE SWING GATE 4'	1	EA	\$ 1,937	\$ 1,937
	SPLIT FENCE	741	LF	\$ 47	\$ 35,099
	CONCRETE RETAINING WALLS	92	LF	\$ 257	\$ 23,669
	SKATE DETERRENTS	100	EA	\$ 70	\$ 6,984
	PICNIC TABLE	14	EA	\$ 2,307	\$ 32,300
	BENCHES	9	EA	\$ 1,320	\$ 11,882
	STAR BENCHES	11	EA	\$ 3,125	\$ 34,380
	PRECAST BENCH INSTALL	19	EA	\$ 3,894	\$ 73,982
	PRECAST BENCH W/BACK INSTALL	18	EA	\$ 3,397	\$ 61,150

TRASH BINS	18	EA	\$ 2,816	\$ 50,695
BOLLARDS	6	EA	\$ 3,200	\$ 19,200
BIKE RACKS	4	EA	\$ 1,211	\$ 4,842
WATER FOUNTAINS	3	EA	\$ 6,806	\$ 20,418
CONCRETE PING PONG TABLE	1	EA	\$ 6,831	\$ 6,831
PICNIC SHELTER FOUNDATION	768	SF	\$ 10	\$ 7,777
PICNIC SHELTER	1	EA	\$ 62,970	\$ 62,970
PARK NAMING SIGN	3	EA	\$ 936	\$ 2,808
SITE BOLDERS	10	EA	\$ 311	\$ 3,108
MORTAR SET PAVERS EX/GRADE INCLUDING ROCK	74	CY	\$ 151	\$ 11,200
MORTAR SET PAVERS RAT SLAB	3,420	SF	\$ 5	\$ 16,714
MORTAR SET PAVERS	2,014	SF	\$ 38	\$ 76,395
SPRAY PLAY RECIRCULATING SYSTEM (NW PLAYGROUND QUOTE) - SYSTEM EQUIPMENT, FLUSH MOUNT SPRAY FEATURES, & MAX FLOW 143 GPM - INCLUDES PIPING, FEATURES OPERATING CONTROLS, CONCRETE, COMMISSIONING & TRAINING	1	LS	\$ 620,000	\$ 620,000
BASALT COLUMNS	25	EA	\$ 1,674	\$ 41,847
SPRAY PLAY FOUNDATION STORAGE FOUNDATION	484	SF	\$ 13	\$ 6,433
SPRAY PLAY FOUNTAIN STORAGE WATER SYSTEM - ALLOWANCE	1	EA	\$ 37,400	\$ 37,400
8' WELDED WIRE FENCE	80	LF	\$ 174	\$ 13,904
4' WIDE ENTRY	2	EA	\$ 3,219	\$ 6,438
PLAYGROUND				
RUBBER SAFETY TILE EX/GRADE INCLUDING ROCK	123	CY	\$ 125	\$ 15,366
POROUS CONCRETE PADS 3IN THICK, PLAYGROUND FITNESS AREA	4,820	SF	\$ 6	\$ 27,939
RUBBER TILE - PLAYGROUND & FITNESS AREA	4,820	SF	\$ 36	\$ 171,173
FITNESS EQUIPMENT (ROSS RECREATION EQUIPMENT CO QUOTE) - INCLUDES EQUIPMENT, INDIVIDUAL FOOTINGS	1	LS	\$ 44,665	\$ 44,665
FURNISH AND INSTALL PLAYGROUND EQUIPMENT	1	LS	\$ 403,158	\$ 403,158
CONCRETE SLAB 4 GARDE SHED FDN	120	SF	\$ 22	\$ 2,600
CONCRETE SLAB 6 IN- SHELTER AND LOO	70	SF	\$ 69	\$ 4,859
LOO INSTALL	1	EA	\$ 1,638	\$ 1,638
4IN MULCH PATHWAYS	28	CY	\$ 105	\$ 2,940
GEOTEXTILE FABRIC 300 TENSILE STRENGTH	2,730	SY	\$ 1	\$ 3,235
COMMUNITY GARDEN RAISED PLANTER BEDS	6	EA	\$ 730	\$ 4,377
GARDEN SHED	1	EA	\$ 6,164	\$ 6,164
SITE DEVELOPMENT SUBTOTAL				\$ 2,025,915
G2050 LANDSCAPING				
EXCAVATE FOR BASE AND PREP	1,806	CY	\$ 45	\$ 81,602
IMPORT TOPSOIL (we have 18" depth and 6" depths)	3,500	LCY	\$ 53	\$ 185,500
3IN MULCH AREAS	172	CY	\$ 105	\$ 18,060
HYDROSEED LAWN	3	AC	\$ 4,500	\$ 13,500
TREES 2 INCH CALIPER	75	EA	\$ 415	\$ 31,125
PLANTS - 5 GALLON SHRUBS @ 23" O.C.	33,962	SF	\$ 2.48	\$ 84,324
SPRAY IRRIGATION SYSTEM	30	ZN	\$ 4,675	\$ 140,250
SYNTHETIC TURF GRADE ONLY	32	CY	\$ 93	\$ 2,968
SYNTHETIC TURF W/SAFETY EX/GRADE INCLUDING ROCK & PP	11	CY	\$ 878	\$ 9,660
SYNTHETIC TURF	2,450	SF	\$ 16	\$ 39,775
SYNTHETIC TURF SAFETY	3,489	SF	\$ 20	\$ 68,821
DEVELOPED MAINTENANCE	2	YR	\$ 12,000	\$ 24,000
BACKFLOW DEVICE	1	EA	\$ 5,000	\$ 5,000
LANDSCAPING SUBTOTAL				\$ 704,585
G3010 WATER SUPPLY				\$ -
2"-3" WATER PIPE	857	LF	\$ 52	\$ 44,519
1-1/2" LOU WATER SUPPLY	526	LF	\$ 54	\$ 28,392
WATER ISOLATION VALVE	1	EA	\$ 3,716	\$ 3,716
DRINKING FOUNTAIN CONNECTIONS	3	EA	\$ 2,445	\$ 7,334
3/4" WATER LINE	278	LF	\$ 48	\$ 13,477
WATER SUPPLY CONNECTIONS	1	LS	\$ 5,000	\$ 5,000
WATER SUPPLY SUBTOTAL				\$ 102,438
G3020 SANITARY SEWER				

6 IN SDR35 SANITARY PIPE	582	LF	\$ 46	\$ 27,040
6" SANITARY CLEANOUTS	16	EA	\$ 605	\$ 9,675
SANITARY SEWER SUBTOTAL				\$ 36,715
				\$ -
G3030 STORM SEWER				\$ -
6 IN SDR 35	450	LF	\$ 40	\$ 17,903
DRYWELL	3	EA	\$ 21,282	\$ 63,847
CATCH BASIN	6	EA	\$ 2,217	\$ 13,300
G3030 STORM SEWER SUBTOTAL				\$ 95,051
G4010 ELECTRICAL DISTRIBUTION				
ELECTRICAL EXCAVATION	3,675	LF	\$ 39	\$ 143,904
VAULT EXCAVATION	1	LS	\$ 5,327	\$ 5,327
LIGHT POLE EXCAVATION	41	EA	\$ 380	\$ 15,586
POWER CONDUIT	1	LS	\$ 190,038	\$ 190,038
CABINETTS AND LIGHTING	1	LS	\$ 25,656	\$ 25,656
P01 FIXTURES	1	LS	\$ 95,654	\$ 95,654
LIGHT POLES	41	EA	\$ 5,279	\$ 216,439
ELECTRICAL DISTRIBUTION SUBTOTAL				\$ 692,604
				\$ -
HARD CONSTRUCTION COSTS SUBTOTAL				\$ 5,217,088
GENERAL CONDITIONS				
Z1010 ON-SITE MANAGEMENT STAFF				
GENERAL SUPERINTENDENT	12	MO	\$ 17,607	\$ 211,288
PROJECT MANAGER	12	MO	\$ 21,099	\$ 253,184
FIELD ENGINEER	12	MO	\$ 10,906	\$ 130,873
OFFICE ADMIN SUPPORT	12	MO	\$ 8,193	\$ 98,318
PROJECT SAFETY MANAGER	12	MO	\$ 2,559	\$ 30,712
QA/QC	12	MO	\$ 8,318	\$ 99,819
SITE SURVEY	12	MO	\$ 6,593.27	\$ 79,119
RWEA/CDIP MANAGEMENT	1	LS	\$ 50,000	\$ 50,000
Z1010 ON-SITE MANAGEMENT STAFF SUBTOTAL				\$ 953,312
				\$ -
Z1030 ON-SITE OFFICE				\$ -
SITE OFFICE	12	MO	\$ 2,200	\$ 26,400
TEMP FACILITES UTILITIES	12	MO	\$ 2,217	\$ 26,600
TEMPORARY TOILETS	12	MO	\$ 1,000	\$ 12,000
ON-SITE OFFICE SUBTOTAL				\$ 65,000
				\$ -
Z1050 SAFETY & SECURITY				\$ -
SAFETY GEAR & SUPPLIES	12	MO	\$ 1,000	\$ 12,000
JOBSITE SECURITY	12	MO	\$ 14,224	\$ 170,691
SAFETY & SECURITY SUBTOTAL				\$ 182,691
				\$ -
Z1060 EQUIPMENT & STORAGE				\$ -
PICK-UP TRUCK	12	MO	\$ 9,021	\$ 108,252
TEMPORARY LIGHTING	1	LS	\$ 10,000	\$ 10,000
WATER UTILITY BILL AND MISC	1	LS	\$ 13,580	\$ 13,580
EQUIPMENT & STORAGE SUBTOTAL				\$ 131,832
				\$ -
YARD & SETUP				\$ -
MOBILIZATION	1	LS	\$ 20,000	\$ 20,000
CONSTRUCTION ENTRANCE	1	LS	\$ 5,875	\$ 5,875
YARD & SETUP				\$ 25,875
GENERAL CONDITIONS SUBTOTAL				\$ 1,358,710
SUBCONTRACTOR BONDS	1	LS		\$ 34,731
REIMBURSABLE COSTS TOTAL (HARD CONSTRUCTION COST, GENERAL CONDITIONS, SUBCONTRACTOR BONDS)				\$ 6,610,529

	OWNER FURNISHED ITEMS W/NO FEE ATTACHED (PLAYGROUND EQUIPMENT, FITNESS EQUIPMENT, SYNTHETIC TURF, & SAFETY TILE)				\$ 509,517
	TOTAL PRICE TO APPLY CMGC FEE	1	LS		\$ 6,101,012
	BASE BID CMGC FEE (12% OF REIMBURSABLE COSTS)				\$ 732,121
					\$ -
	BONDS & INSURANCE	1	LS		\$ 165,263
	BOND & INSURANCE SUBTOTAL				\$ 165,263
	BASE BID TOTAL (REIMBURSABLE COSTS, FEE, BOND AND INSURANCE)				\$ 7,507,914
					\$ -
	PROJECT CONTINGENCY (PRE IFC)	1	LS		\$ 798,348
	PROJECT CONTINGENCY (POST IFC)	1	LS		\$ 677,268
					\$ -
	TAXES				\$ -
	SUBTOTAL GMP				\$ 8,983,530

70% CD Project Cost Escalation - April 2023

Cost Type	Escalation	Base Cost	Percentage of Base Cost
Labor Escalation	\$36,575	\$1,697,135	2.16%
Permanent Material Escalation	\$41,832	\$1,195,207	3.50%
Construction Material Escalation	\$10,830	\$309,435	3.50%
Subcontractor Escalation	\$32,416	\$2,315,403	1.40%
Trucking Escalation	\$10,251	\$292,258	3.51%
Outside Equipment/Services	\$6,176	\$294,117	2.10%
Misc/Other	\$2,766	\$131,731	2.10%
Equipment Expense	\$5,310	\$252,877	2.10%
Subtotal	\$146,156	\$6,488,163	2.25%
Fuel	\$1,090	\$122,367	0.89%
Project Total Escalation	\$147,246	\$6,610,530	2.23%

Mill Park

Project Contingency
Risk Assessment & Management Plan/Responsibility Matrix-
Post IFC
April 13, 2023

CMGC Contract; Contract No. 30008063

#	Item	Description of Risk/Contingency	Estimated Quantity Risk	Unit of Measure	Unit Price Risk	Total NTE	Payment Provisions	Tracked
1	Planting soil allowance item.	To account for soil shrinkage.	2500	CY	<u>53</u>	132,500	Raimore will carry 3,500 CY of import and any additional import will be tracked in risk table to account for soil shrinkage. If soil exceeds 3500 CY, soil will be billed as a unit priced item through an allowance.	Unit Priced- Allowance
2	Contractor Unit Production Risk	Contractor Risk related to aggressive production rates. To account for inefficiencies in project development due to unforeseen circumstances.	1	LS	<u>50,000</u>	50,000	To account for additional time if associated for items that are not controlled by the contractor or if client at Cultivate Initiative is not vacated by 8/1/2023	T&M
	Contaminated Media Testing and Disposal	This is not identified in the plans but there is a risk that there may be some contaminated media on site.	1	PS	<u>26,000</u>	26,000	This risk item will be paid on actual cost for the work in accordance with the Contract General Provisions for Time and Materials.	Unit Priced- Allowance
	Subgrade Stabilization	It is anticipated that additional subgrade stabilization will be required within roadway excavations at various locations throughout the Project. This Risk item is intended to identify the amount of potential risk to the Contract for additional excavation, removal, aggregate base, fabric or soil treatments in excess of the Total Contract Price.	1	PS	<u>26,000</u>	26,000	This risk item will be paid on actual cost for the work in accordance with the Contract General Provisions for Time and Materials or established unit prices as agreed upon between Parks and the Contractor.	T&M
	Arborist	It is anticipated that an arborist or the City Forester will need to be on site for up to 200 hours during critical excavation work around tree roots, or for verification of tree and root removal procedures. This has been identified that the preconstruction arborist does not have time associated during construction.	1	PS	<u>22,000</u>	22,000	This will be billed T&M for time in excess of 200 hours identified in GMP.	T&M
	Root Protection	It is anticipated that work will be performed with added inefficiency under direction of the arborist. Raimore anticipates using vac excavation in PTZ area. If any additional work is required by arborist, it is tracked in this item.	1	PS	<u>30,000</u>	30,000	This risk item will be paid on actual cost for the work in accordance with the Contract General Provisions for Time and Materials or established unit prices as agreed upon between TriMet and the Contractor.	T&M
	PBOT ROW Alternates	Alternates A, B, C (We should have the answer on this item prior to permitalso concerned about TM improvements on 122nd) Includes permit requirements	1	PS	<u>\$205,000</u>	205,000	Anticipated PBOT alternates with likely matching funds.	LS
	Material Import for site build up	This item is to account for any material import that is not identified. If site is low and onsite material is not able to be used.	500	TN	<u>\$150</u>	75,000	Import and placement of added material if needed	Unit Priced- Allowance
	Disposal for unusable material	This item is to account for unusable material. Contractor has accounted for 10% of material disposal, if additional material is needed to be removed this accounts for that number	500	CY	<u>\$50</u>	25,000	Disposal of unusable material	Unit Priced- Allowance
	Fees, Bonds, and Insurance		1	LS	<u>\$85,768</u>	85,768		
TOTAL						677,268		

Mill Park

CMGC Contract; Contract No. 30008063

#	Item	Type of Bid Item	Description of Risk/Contingency	Estimated Quantity Risk	Unit of Measure	Unit Price Risk	Final CAP Amount at Risk*
	Final Subcontractor Bids and Price Escalation	LS	Contractor prices reflect anticipated subcontractor bids for all subcontracted work packages as anticipated in the contracting plan. This risk item covers fluctuation in actual subcontractor pricing for the subcontracted work. This item also covers all labor/materials escalation during the Contract duration for all actual or future subcontractor costs. This item covers the following scopes of work: Base Bid; Landscaping, Electrical; Alt. 1; Playground Equipment & Finishes, Alt. 2; Splashpad and Furnishings.	1	LS	<u>350,000</u>	350,000
	Escalation	LS	Escalation, including all aspects of construction except subcontractor pricing.	1	LS	<u>147,246</u>	147,246
	IFC Design Development	LS	Costs due to changes in construction drawings from the time the GMP is established to when final construction drawings are issued. This item is intended to address new scope associated with the areas affected by the Alternates if the Alternates are not employed. This item also covers the normal design growth between 60% and IFC. This item also covers items initially shown as Owner Furnished that become Contractor Furnished.	1	LS	<u>\$200,000</u>	200,000
	Schedule	LS	If funding is not approved for the project or other unforeseen schedule delays that prohibit Raimore from starting in August 2023	1	LS	<u>\$1</u>	1
	CM/GC FEE, BONDS, INSURANCE	LS		1		<u>\$101,101</u>	101,101
TOTAL						Total	798,348