

## GENERAL SUMMARY

Prepared for:

Project ID:

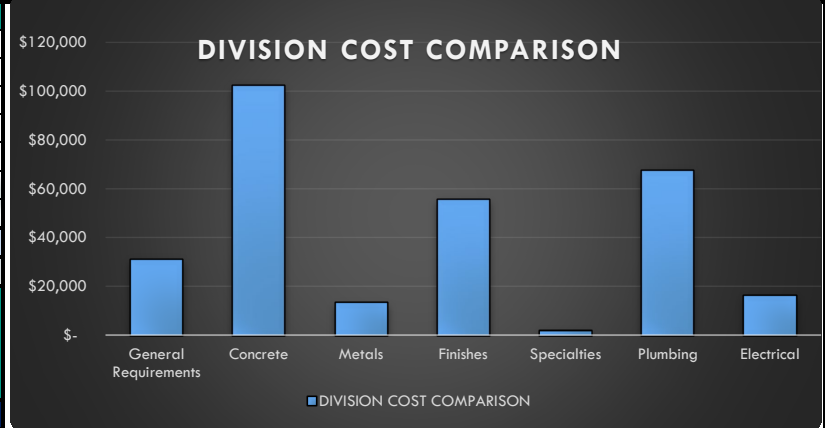
Scope: **GC**

Date:



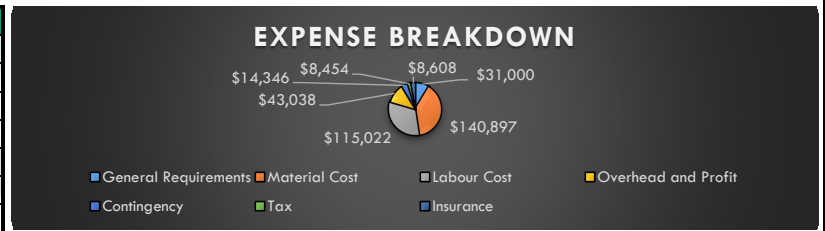
**BUILDING GSF** 3,310

DIVISION NO.		TOTAL DIV. COST	TOTAL DIV. COST
1000	General Requirements	\$ 31,000	\$ 9.37
3000	Concrete	\$ 102,285	\$ 30.90
5000	Metals	\$ 13,020	\$ 3.93
9000	Finishes	\$ 55,533	\$ 16.78
10000	Specialties	\$ 1,701	\$ 0.51
22000	Plumbing	\$ 67,466	\$ 20.38
26000	Electrical	\$ 15,915	\$ 4.81
<b>TOTAL TRADE COST</b>		<b>\$ 286,919</b>	<b>\$ 87</b>
<b>OVERHEAD AND PROFIT</b>			
	15%	\$ 43,038	\$ 13.00
Tax	6%	\$ 8,454	\$ 2.52
INSURANCE	3%	\$ 8,608	\$ 2.60
CONTINGENCY	5%	\$ 14,346	\$ 4.33
<b>TOTAL TRADE COST</b>		<b>\$ 361,364</b>	<b>\$ 112</b>



## EXPENSE BREAKDOWN

SR#	DESCRIPTION	TOTAL DIV. COST
1	General Requirements	\$ 31,000
2	Material Cost	\$ 140,897
3	Labour Cost	\$ 115,022
4	Overhead and Profit	\$ 43,038
5	Contingency	\$ 14,346
6	Tax	\$ 8,454
7	Insurance	\$ 8,608



**DETAILED BREAKDOWN OF ITEMS**

Prepared for:  
Project ID:  
Scope: GC



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOOR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
<b>GENERAL REQUIREMENTS</b>											
1	Permits	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00
2	Supervision and Coordination	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 20,000.00	\$ 20,000.00
3	Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00
4	Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,000.00	\$ 1,000.00
5	Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 1,500.00
6	Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,000.00	\$ 1,000.00
<b>SUBTOTAL</b>											<b>\$ 31,000</b>
<b>CONCRETE</b>											
<b>CAST IN PLACE CONCRETE</b>											
<b>CONCRETE RETAINING WALL @ POOL WALL</b>											
<b>Concrete</b>											
7	11" Thick Concrete Retaining Wall (3.25' H)	CY	2.60	10%	3	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,211.69
8	11" Thick Concrete Retaining Wall (2.75' H)	CY	1.42	10%	2	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 660.35
9	10" Thick Concrete Retaining Wall (4.375' H)	CY	7.19	10%	8	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 3,347.49
10	10" Thick Concrete Retaining Wall (4.25' H)	CY	3.93	10%	4	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,830.31
11	10" Thick Concrete Retaining Wall (4.125' H)	CY	1.92	10%	2	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 894.16
12	8" Thick Concrete Retaining Wall (4.125' H)	CY	1.55	10%	2	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 719.19
13	8" Thick Concrete Retaining Wall (3.25' H)	CY	2.19	10%	2	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,016.94
14	8" Thick Concrete Retaining Wall (2.75' H)	CY	0.91	10%	1	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 425.48
15	8" Thick Concrete Retaining Wall (2.25' H)	CY	2.35	10%	3	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,091.13
16	Additional Concrete (0.34 SF) @ Pool Wall (235 LF)	CY	2.96	10%	3	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,376.94
<b>Reinforcement</b>											
17	Reinforcement @ Concrete Retaining Wall - #4 (7076 LF)	LBS	4727	10%	5199	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 6,603.29
<b>Form Work</b>											
18	Form Work @ Concrete Retaining Wall	SF	1647	10%	1812	0.090	\$ 39.00	\$ 3.51	\$ -	\$ 3.51	\$ 6,359.07
<b>Excavation</b>											
19	Excavation @ Pool	CY	293	10%	322	1.300	\$ 62.00	\$ 80.60	\$ -	\$ 80.60	\$ 25,977.38
<b>CONCRETE @ POOL FLOOR</b>											
<b>Concrete</b>											
20	6" Thick Concrete Floor (775 SF)	CY	14.35	10%	16	1.500	\$ 145.00	\$ 217.50	\$ 162.00	\$ 379.50	\$ 5,991.18
21	8" Thick Concrete Floor (621 SF)	CY	15.41	10%	17	1.500	\$ 145.00	\$ 217.50	\$ 162.00	\$ 379.50	\$ 6,432.90
<b>Gravel @ Pool Floor Base</b>											
22	12" Thick Gravel (1396 SF)	CY	51.70	10%	57	1.100	\$ 48.00	\$ 52.80	\$ 105.00	\$ 157.80	\$ 8,974.73
<b>Reinforcement</b>											
23	Reinforcement @ Concrete Floor - #4 (3142 LF)	LBS	2099	10%	2309	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 2,932.10
<b>Form Work</b>											
24	Form Work @ Concrete Floor	SF	142	10%	156	0.090	\$ 39.00	\$ 3.51	\$ -	\$ 3.51	\$ 548.26
<b>CONCRETE @ POOL RAMP</b>											
<b>Concrete</b>											
25	12" Thick Concrete (211 SF)	CY	7.81	10%	9	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 3,636.23
<b>Gravel @ Pool Floor Base</b>											
26	12" Thick Gravel (211 SF)	CY	7.81	10%	9	1.100	\$ 48.00	\$ 52.80	\$ 105.00	\$ 157.80	\$ 1,356.50
<b>Reinforcement</b>											
27	Reinforcement @ Concrete Floor - #4 (973 LF)	LBS	650	10%	715	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 908.00
<b>FRP CONCRETE @ POOL PATIO DECK</b>											
<b>Concrete</b>											
28	4" Thick Concrete Deck (1690 SF)	CY	20.66	10%	23	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 9,611.03
<b>Gravel @ Pool Patio Deck</b>											
29	6" Thick Gravel (1690 SF)	CY	31.30	10%	34	0.900	\$ 48.00	\$ 43.20	\$ 105.00	\$ 148.20	\$ 5,101.92
<b>Reinforcement</b>											
30	Reinforcement @ FRP Concrete Patio Deck - Wire Mesh 6x6 - W2.0xW2.0 WWF (1690 SF)	SF	1690	10%	1859	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 2,360.93
<b>CONCRETE PAD @ POOL PATIO DECK</b>											
<b>Concrete</b>											
31	2.5'x2.5'x12" Deep FRP Concrete @ Lift Socket	CY	2.60	10%	3	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 1,211.69
32	1.5'x1.5'x6" Deep FRP Concrete @ Pole Socket	CY	0.04	10%	0	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 19.39
<b>Gravel @ Concrete Pad</b>											
33	6" Thick Gravel (8.5 SF)	CY	0.16	10%	0	0.900	\$ 48.00	\$ 43.20	\$ 105.00	\$ 148.20	\$ 25.66
<b>Reinforcement</b>											
34	Reinforcement @ Concrete Pad - #4 (5 LF)	LBS	3.34	10%	4	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 4.67
<b>Form Work</b>											
35	Form Work @ Concrete Pad	SF	14	10%	15	1.800	\$ 39.00	\$ 70.20	\$ -	\$ 70.20	\$ 1,081.08
<b>CONCRETE @ POOL STAIR</b>											
<b>Concrete</b>											
36	3'-8"W x 12" T x 7-1/2" R @ Pool Stair (4 EA)	CY	0.17	10%	0	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 79.06
37	8" Thick x 3'-8" Wide Concrete Waist Slab (4.4 LF)	CY	0.40	10%	0	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 186.45
38	Additional Concrete (1.1 SF) @ Pool Wall (3.67 LF)	CY	0.15	10%	0	1.800	\$ 145.00	\$ 261.00	\$ 162.00	\$ 423.00	\$ 69.57
<b>Gravel @ Pool Stair Base</b>											
39	12" Thick Gravel	CY	0.95	10%	1	1.100	\$ 48.00	\$ 52.80	\$ 105.00	\$ 157.80	\$ 165.16
<b>Reinforcement</b>											
40	Reinforcement @ Pool Concrete Stair - #4 (80 LF)	LBS	53.44	10%	59	0.010	\$ 62.00	\$ 0.62	\$ 0.65	\$ 1.27	\$ 74.66
<b>SUBTOTAL</b>											<b>\$ 102,285</b>
<b>METALS</b>											
<b>STEEL TUBE &amp; RAILING</b>											
41	1.5" Dia 316L MG Stainless Steel @ Pool Wall	LF	195	10%	215	0.021	\$ 62.00	\$ 1.30	\$ 33.00	\$ 34.30	\$ 7,357.78
42	1.5" Dia 316L MG Stainless Steel @ Pool Ramp	LF	120	10%	132	0.021	\$ 62.00	\$ 1.30	\$ 33.00	\$ 34.30	\$ 4,527.86
43	1.5" Dia 316L MG Stainless Steel @ Pool Stair	LF	18	10%	20	0.021	\$ 62.00	\$ 1.30	\$ 33.00	\$ 34.30	\$ 679.18

**DETAILED BREAKDOWN OF ITEMS**

Prepared for:  
Project ID:  
Scope: GC



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
<b>STEEL LADDER</b>											
44	3 Step 1.5" Dia Stainless Steel Ladder @ Pool Wall	EA	2	0%	2	0.265	\$ 62.00	\$ 16.43	\$ 151.99	\$ 168.42	\$ 336.84
<b>STEEL HOOK</b>											
45	Steel Hook @ Pool Wall	EA	4	0%	4	0.084	\$ 62.00	\$ 5.21	\$ 24.34	\$ 29.55	\$ 118.19
<b>SUBTOTAL</b>											<b>\$ 13,020</b>
<b>FINISHES</b>											
<b>PLASTER</b>											
46	1/2" Thick White Plaster @ Concrete Retaining Wall	SF	822	10%	904	0.024	\$ 40.00	\$ 0.96	\$ 1.75	\$ 2.71	\$ 2,450
47	1/2" Thick White Plaster @ Pool Concrete Floor	SF	1290	10%	1419	0.024	\$ 40.00	\$ 0.96	\$ 1.75	\$ 2.71	\$ 3,845
<b>TILING</b>											
<b>Floor Tiles:</b>											
48	Lane Tile @ Pool Floor	SF	76	10%	84	0.083	\$ 40.00	\$ 3.32	\$ 6.75	\$ 10.07	\$ 841.85
49	Tile @ Patio Deck - Type: Non-Slip Glazed Tile - Size: 6" x 6"	SF	1690	10%	1859	0.083	\$ 40.00	\$ 3.32	\$ 5.99	\$ 9.31	\$ 17,307.29
50	Tile @ Pool Ramp - Type: Accent Tile - Size: 2" x 2" Solid - Color: Body	SF	1690	10%	1859	0.083	\$ 40.00	\$ 3.32	\$ 8.99	\$ 12.31	\$ 22,884.29
51	Tile @ Pool Stair - Type: Accent Tile - Size: 2" x 2" Solid - Color: Body	SF	27	10%	30	0.083	\$ 40.00	\$ 3.32	\$ 8.99	\$ 12.31	\$ 365.61
<b>Wall Tiles:</b>											
52	Water Line Tile @ Pool Wall	SF	128	10%	140	0.131	\$ 40.00	\$ 5.24	\$ 6.75	\$ 11.99	\$ 1,682.26
<b>Trim Tile:</b>											
53	Contrast Trim Tile @ Pool Stair	LF	15	10%	16	0.085	\$ 40.00	\$ 3.40	\$ 7.69	\$ 11.09	\$ 179
<b>Coping Tile:</b>											
54	Coping @ Pool Wall - Type: Raised Bullnose - Size: 12" x 24" x 2"	LF	194	10%	213	0.045	\$ 40.00	\$ 1.80	\$ 12.00	\$ 13.80	\$ 2,945
55	14" Wide Coping @ Pool Wall - Type: SU-NO-BO - Size 12" x 24" 2"	LF	12	10%	13	0.045	\$ 40.00	\$ 1.80	\$ 12.00	\$ 13.80	\$ 182
56	14" Wide Coping @ Pool Wall - Type: SUDBN - Size 12" x 24" 2"	LF	29	10%	32	0.045	\$ 40.00	\$ 1.80	\$ 12.00	\$ 13.80	\$ 440
<b>Transition Stone:</b>											
57	Transition Stone @ Pool	LF	197	10%	217	0.078	\$ 40.00	\$ 3.12	\$ 8.00	\$ 11.12	\$ 2,410
<b>SUBTOTAL</b>											<b>\$ 55,533</b>
<b>SPECIALTIES</b>											
<b>SKIMMER</b>											
58	Automatic Surface Skimmer @ Pool	EA	5	0%	5	1.500	\$ 38.00	\$ 57.00	\$ 158.00	\$ 215.00	\$ 1,075
<b>LANE LINE</b>											
59	4" Anti Wave Lane Line @ Pool	LF	82	10%	90	0.012	\$ 38.00	\$ 0.46	\$ 6.48	\$ 6.94	\$ 626
<b>SUBTOTAL</b>											<b>\$ 1,701</b>
<b>PLUMBING</b>											
<b>Backwash Pipe Underground</b>											
<b>Schedule 40 PVC Pipe &amp; Fittings</b>											
60	2" Dia Backwash Pipe (Size assumed)	LF	43	10%	47	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 491.96
<b>Backwash Pipe Fittings</b>											
<b>Elbow</b>											
61	2" Dia Backwash Pipe 90 Deg Elbow	EA	1	0%	1	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 37.71
62	2" Dia Backwash Pipe 45 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 18.45	\$ 36.96	\$ 73.92
<b>Backwash Pipe</b>											
<b>Schedule 40 PVC Pipe &amp; Fittings</b>											
63	2" Dia Backwash Pipe (Size assumed)	LF	16	10%	18	0.130	\$ 52.00	\$ 6.76	\$ 3.15	\$ 9.91	\$ 175.40
<b>Backwash Pipe Fittings</b>											
<b>Elbow</b>											
64	2" Dia Backwash Pipe 90 Deg Elbow	EA	3	0%	3	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 113.14
<b>Booster Pump Pipe</b>											
<b>Schedule 80 PVC Pipe &amp; Fittings</b>											
65	2" Dia Booster Pump	LF	36	10%	39	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 410.96
<b>Booster Pump Pipe Fittings</b>											
<b>Elbow</b>											
66	2" Dia Booster Pump 90 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 75.42
<b>DHU.Exch Pipe</b>											
<b>Schedule 80 PVC Pipe &amp; Fittings</b>											
67	2" Dia DHU, Exch Pipe	LF	42	10%	47	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 486.00
<b>DHU.Exch Pipe Fittings</b>											
<b>Elbow</b>											
68	2" Dia DHU, Exch Pipe 90 Deg Elbow	EA	4	0%	4	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 150.85
<b>Filtered Water Pipe</b>											
<b>Schedule 40 PVC Pipe &amp; Fittings</b>											
69	2" Dia Filtered Water Pipe	LF	7	10%	8	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 83.41
<b>Filtered Water Pipe Fittings</b>											
<b>Elbow</b>											
70	2" Dia Filtered Water Pipe 90 Deg Elbow	EA	1	0%	1	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 37.71
<b>Gas Heater Influent Pipe</b>											
<b>Schedule 80 PVC Pipe &amp; Fittings</b>											
71	2" Dia Gas Heater Influent Pipe	LF	11	10%	12	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 126.32
<b>Gas Heater Influent Pipe Fittings</b>											
<b>Elbow</b>											
72	2" Dia Gas Heater Influent Pipe 90 Deg Elbow	EA	4	0%	4	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 150.85
<b>Sanitary Pipe Underground</b>											

**DETAILED BREAKDOWN OF ITEMS**

Prepared for:  
Project ID:  
Scope: GC



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
73	Schedule 40 PVC Pipe & Fittings 2" Dia Sanitary Pipe (Size assumed)	LF	173	10%	190	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 1,984.03
	<b>Sanitary Pipe Fittings</b>										
	Elbow										
74	2" Dia Sanitary Pipe 90 Deg Elbow	EA	7	0%	7	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 263.98
75	2" Dia Sanitary Pipe 45 Deg Elbow	EA	10	0%	10	0.356	\$ 52.00	\$ 18.51	\$ 18.45	\$ 36.96	\$ 369.62
	Wye										
76	2" Dia Sanitary Pipe Wye	EA	8	0%	8	0.489	\$ 52.00	\$ 25.43	\$ 6.54	\$ 31.97	\$ 255.74
	<b>Single Return Pipe Underground</b>										
	Schedule 40 PVC Pipe & Fittings										
77	2" Dia Single Return Supply Pipe	LF	10	10%	11	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 112.09
	<b>Skimmer Trunk Pipe Underground</b>										
	Schedule 40 PVC Pipe & Fittings										
78	2" Dia Skimmer Trunk Pipe	LF	181	10%	199	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 2,072.71
79	3" Dia Skimmer Trunk Pipe	LF	39	10%	43	0.140	\$ 52.00	\$ 7.28	\$ 3.56	\$ 10.84	\$ 469.09
	<b>Skimmer Trunk Pipe Fittings</b>										
	Elbow										
80	2" Dia Skimmer Trunk Pipe 90 Deg Elbow	EA	8	0%	8	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 301.70
81	3" Dia Skimmer Trunk Pipe 90 Deg Elbow	EA	3	0%	3	0.356	\$ 52.00	\$ 18.51	\$ 19.86	\$ 38.37	\$ 115.12
82	2" Dia Skimmer Trunk Pipe 45 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 18.45	\$ 36.96	\$ 73.92
83	3" Dia Skimmer Trunk Pipe 45 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 18.98	\$ 37.49	\$ 74.98
	Tee										
84	2" Dia Skimmer Trunk Pipe Tee	EA	2	0%	2	0.426	\$ 52.00	\$ 22.15	\$ 21.54	\$ 43.69	\$ 87.38
85	3" / 2" Dia Skimmer Trunk Pipe Tee	EA	2	0%	2	0.426	\$ 52.00	\$ 22.15	\$ 22.31	\$ 44.46	\$ 88.92
	Reducer										
86	3" / 2" Dia Skimmer Trunk Pipe Reducer	EA	1	0%	1	0.321	\$ 52.00	\$ 16.69	\$ 8.69	\$ 25.38	\$ 25.38
	<b>Vacuum Port Pipe Underground</b>										
	Schedule 40 PVC Pipe & Fittings										
87	2" Dia Vacuum Port Pipe	LF	95	10%	104	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 1,086.26
	<b>Vacuum Port Pipe Fittings</b>										
	Elbow										
88	2" Dia Vacuum Port Pipe 90 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 75.42
89	2" Dia Vacuum Port Pipe 45 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 18.45	\$ 36.96	\$ 73.92
	<b>Wall Return Loop Pipe Underground</b>										
	Schedule 40 PVC Pipe & Fittings										
90	3" Dia Wall Return Loop Pipe	LF	188	10%	207	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 2,157.61
	<b>Wall Return Loop Pipe Fittings</b>										
	Elbow										
91	3" Dia Wall Return Loop Pipe 90 Deg Elbow	EA	4	0%	4	0.356	\$ 52.00	\$ 18.51	\$ 19.86	\$ 38.37	\$ 153.49
	Tee										
92	3" Dia Wall Return Loop Pipe Tee	EA	2	0%	2	0.426	\$ 52.00	\$ 22.15	\$ 22.65	\$ 44.80	\$ 89.60
93	3" / 2" Dia Wall Return Loop Pipe Tee	EA	2	0%	2	0.426	\$ 52.00	\$ 22.15	\$ 22.31	\$ 44.46	\$ 88.92
	<b>Wall Return Trunk Pipe Underground</b>										
	Schedule 40 PVC Pipe & Fittings										
94	3" Dia Wall Return Trunk Pipe	LF	114	10%	125	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 1,303.91
	<b>Wall Return Trunk Pipe Fittings</b>										
	Elbow										
95	3" Dia Wall Return Trunk Pipe 90 Deg Elbow	EA	4	0%	4	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 150.85
96	3" Dia Wall Return Trunk Pipe 45 Deg Elbow	EA	1	0%	1	0.356	\$ 52.00	\$ 18.51	\$ 18.45	\$ 36.96	\$ 36.96
	<b>Branch Pipe Underground</b>										
	Schedule 40 PVC Pipe & Fittings										
97	4" Dia Branch Pipe	LF	99	10%	108	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 1,130.21
	<b>Branch Pipe Fittings</b>										
	Elbow										
98	4" Dia Branch Pipe 90 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 20.15	\$ 38.66	\$ 77.32
99	4" Dia Branch Pipe 45 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 19.45	\$ 37.96	\$ 75.92
	Tee										
100	4" Dia Branch Pipe Tee	EA	3	0%	3	0.426	\$ 52.00	\$ 22.15	\$ 22.65	\$ 44.80	\$ 134.41
	<b>Pool Pipe</b>										
	Schedule 40 PVC Pipe & Fittings										
101	2" Dia Pool Pipe (Size & Service Assumed)	LF	8	10%	9	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 90.87
102	4" Dia Pool Pipe (Size & Service Assumed)	LF	36	10%	40	0.140	\$ 52.00	\$ 7.28	\$ 3.65	\$ 10.93	\$ 433.91
	<b>Pool Pipe Fittings</b>										
	Elbow										
103	2" Dia Pool Pipe 90 Deg Elbow	EA	7	0%	7	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 263.98
104	4" Dia Pool Pipe 90 Deg Elbow	EA	9	0%	9	0.356	\$ 52.00	\$ 18.51	\$ 20.15	\$ 38.66	\$ 347.96
105	4" Dia Pool Pipe 45 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 19.45	\$ 37.96	\$ 75.92
	Tee										
106	2" Dia Pool Pipe Tee	EA	2	0%	2	0.426	\$ 52.00	\$ 22.15	\$ 21.54	\$ 43.69	\$ 87.38
107	4" Dia Pool Pipe Tee	EA	5	0%	5	0.426	\$ 52.00	\$ 22.15	\$ 22.65	\$ 44.80	\$ 224.01
	<b>Vent Pipe</b>										
	Schedule 40 PVC Pipe & Fittings										
108	2" Dia Vent Pipe	LF	10	10%	11	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 114.73
	<b>Vent Pipe Fittings</b>										
	Elbow										
109	2" Dia Vent Pipe 90 Deg Elbow	EA	2	0%	2	0.356	\$ 52.00	\$ 18.51	\$ 19.20	\$ 37.71	\$ 75.42
	<b>Acid Injection Pipe</b>										
	Schedule 40 PVC Pipe & Fittings										
110	1/2" Dia Acid Injection Pipe	LF	2	10%	3	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 27.65
	<b>Chlorine Injection Pipe</b>										
	Schedule 40 PVC Pipe & Fittings										
111	1/2" Dia Chlorine Injection Pipe	LF	9	10%	10	0.140	\$ 52.00	\$ 7.28	\$ 3.15	\$ 10.43	\$ 99.47
	<b>Drain &amp; Cleanouts</b>										

**DETAILED BREAKDOWN OF ITEMS**

Prepared for:  
Project ID:  
Scope: **GC**



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
112	2" Dia TD1, Trench Drain, NDS, (56' Length), Part Number:- DTPF2-03CF24TG-LDTG05ZIA-GLSS2-SLPF-2B, Square Shape, Fame Qty: 14, Grate Qty: 28.	EA	1	0%	1	0.500	\$ 52.00	\$ 26.00	\$ 160.00	\$ 186.00	\$ 186.00
113	2" Dia TD2, Trench Drain, NDS, (9'-2" Length), Part Number:- DTPF2-03CF24TG-LDTG05ZIA-GLSS2-SLPF-2B, Square Shape, Fame Qty: 4, Grate Qty: 5.	EA	1	0%	1	0.500	\$ 52.00	\$ 26.00	\$ 160.00	\$ 186.00	\$ 186.00
114	2" Dia TD3, Trench Drain, NDS, (19'-5" Length), Part Number:- DTPF2-03CF24TG-LDTG05ZIA-GLSS2-SLPF-2B, Square Shape, Fame Qty: 5, Grate Qty: 10.	EA	1	0%	1	0.500	\$ 52.00	\$ 26.00	\$ 160.00	\$ 186.00	\$ 186.00
115	2" Dia TD4, Trench Drain, NDS, (14'-1" Length), Part Number:- DTPF2-03CF24TG-LDTG05ZIA-GLSS2-SLPF-2B, Square Shape, Fame Qty: 4, Grate Qty: 7.	EA	1	0%	1	0.500	\$ 52.00	\$ 26.00	\$ 160.00	\$ 186.00	\$ 186.00
116	2" Dia TD5, Trench Drain, NDS, (91' Length), Part Number:- DTPF2-03CF24TG-LDTG05ZIA-GLSS2-SLPF-2E, Square Shape, Fame Qty: 24, Grate Qty: 46.	EA	1	0%	1	0.500	\$ 52.00	\$ 26.00	\$ 160.00	\$ 186.00	\$ 186.00
117	4" Dia Drain, SUPERSUMP By LAWSON AQUATICS 12"x12" (365 GPM); MLD-SG-1212 (With 6" Side Part)	EA	4	0%	4	0.500	\$ 52.00	\$ 26.00	\$ 254.00	\$ 280.00	\$ 1,120.00
<b>Plumbing Fixtures</b>											
118	EW, emergency eye Wash Station, Wall Mounted	EA	1	0%	1	1.750	\$ 52.00	\$ 91.00	\$ 125.00	\$ 216.00	\$ 216.00
119	Map Sink	EA	1	0%	1	2.400	\$ 52.00	\$ 124.80	\$ 529.00	\$ 653.80	\$ 653.80
<b>Pumps</b>											
120	CPump1, Chemical Pump - Chlorine - ROLLACHEM - Plug-In Pump 120V/3A	EA	1	0%	1	2.250	\$ 52.00	\$ 117.00	\$ 1,733.00	\$ 1,850.00	\$ 1,850.00
121	CPump2, Chemical Pump - Acid - STENNER - Plug-In Pump 120V/3A	EA	1	0%	1	2.250	\$ 52.00	\$ 117.00	\$ 538.00	\$ 655.00	\$ 655.00
122	Pump 1, Pool Filtration/Circulation Pump - 5 Hp WHISPERFLOXF-VS; By PENTAIR; With VFD	EA	1	0%	1	2.250	\$ 52.00	\$ 117.00	\$ 1,500.00	\$ 1,617.00	\$ 1,617.00
123	Pump 2, Heat Booster Pump - 1.5Hp SUPERFLO By PENTAIR.	EA	2	0%	2	2.250	\$ 52.00	\$ 117.00	\$ 2,450.00	\$ 2,567.00	\$ 5,134.00
124	Sump 1, Sump And Pump (By PC)	EA	1	0%	1	2.250	\$ 52.00	\$ 117.00	\$ 1,696.00	\$ 1,813.00	\$ 1,813.00
<b>Tanks</b>											
125	15 Gallon MURATIC Acid Carboy Tank, 14" Dia x 27" H (Provide By Owner)	EA	2	0%	2	1.250	\$ 52.00	\$ 65.00	\$ 57.00	\$ 122.00	\$ 244.00
126	50 Gallon Chlorine Storage VAT On Containment Pallet (2505 By ULTRATECH)	EA	1	0%	1	1.250	\$ 52.00	\$ 65.00	\$ 165.95	\$ 230.95	\$ 230.95
<b>Misc.</b>											
127	2" Dia Ball Valve	EA	5	0%	5	0.450	\$ 52.00	\$ 23.40	\$ 76.60	\$ 100.00	\$ 500.00
128	3" Dia Butterfly Valve	EA	5	0%	5	0.450	\$ 52.00	\$ 23.40	\$ 199.65	\$ 223.05	\$ 1,115.25
129	4" Dia Butterfly Valve	EA	2	0%	2	0.450	\$ 52.00	\$ 23.40	\$ 201.43	\$ 224.83	\$ 449.66
130	4" Dia Butterfly Valve (Size assumed)	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 201.43	\$ 224.83	\$ 224.83
131	2" Dia 3-Way Valve	EA	3	0%	3	0.910	\$ 52.00	\$ 47.32	\$ 62.68	\$ 110.00	\$ 330.00
132	4" Dia Check Valve (Size assumed)	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 201.02	\$ 224.42	\$ 224.42
133	2" Dia Check Valve	EA	3	0%	3	0.450	\$ 52.00	\$ 23.40	\$ 198.00	\$ 221.40	\$ 664.20
134	2" Dia Butterfly Valve	EA	4	0%	4	0.450	\$ 52.00	\$ 23.40	\$ 189.00	\$ 212.40	\$ 849.60
135	2" Dia Return Valves (Size assumed)	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 21.99	\$ 45.39	\$ 45.39
136	2" Dia Suction Valves (Size assumed)	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 96.66	\$ 120.06	\$ 120.06
137	Fill Valve, For Rim Spout - 1.5"	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 87.70	\$ 111.10	\$ 111.10
138	2" Dia Pipe Cap	EA	1	0%	1	0.024	\$ 52.00	\$ 1.25	\$ 3.67	\$ 4.92	\$ 4.92
139	3/4" Dia Hose Bibb With Atmospheric Breaker W/ Wall Mounted Hose Rack (By PC)	EA	1	0%	1	0.350	\$ 52.00	\$ 18.20	\$ 18.70	\$ 36.90	\$ 36.90
140	AOP Sanitizer, With Manifold Injection, 20Watts; 240V 0.75A	EA	1	0%	1	0.510	\$ 52.00	\$ 26.52	\$ 2,075.00	\$ 2,101.52	\$ 2,101.52
141	Return, Filtered Water Returns-3501 Flush Mount Return With Water stop For 2" Pipe By Aqua star	EA	13	0%	13	0.400	\$ 52.00	\$ 20.80	\$ 390.89	\$ 411.69	\$ 5,351.97
142	2" Dia RPZ, Reduced Pressure Backflow Preventer (Size assumed)	EA	1	0%	1	1.750	\$ 52.00	\$ 91.00	\$ 937.00	\$ 1,028.00	\$ 1,028.00
143	Salt, Salt Chlorine Generators - Commercial Array - With Wall Mounted Power Supplies; COMSYS-8 By PENTAIR, 208-260V; 220W Per Cell	EA	1	0%	1	0.850	\$ 52.00	\$ 44.20	\$ 1,549.00	\$ 1,593.20	\$ 1,593.20
144	SAN. Air Compressor For Secondary Sanitizer, 240V, 60Hz, 0.9A	EA	1	0%	1	2.500	\$ 52.00	\$ 130.00	\$ 388.00	\$ 518.00	\$ 518.00
145		EA	1	0%	1	2.150	\$ 52.00	\$ 111.80	\$ 295.00	\$ 406.80	\$ 406.80
146	TR-100C-3 Filter, 3" Hubs; With 4 Valve System And Supported Face Piping	EA	2	0%	2	0.420	\$ 52.00	\$ 21.84	\$ 1,385.00	\$ 1,406.84	\$ 2,813.68
147	VAC, Pool Vacuum Port, Equipped With Self Closing Cap Per APSP-7, 1.5" Dia	EA	2	0%	2	1.500	\$ 52.00	\$ 78.00	\$ 268.00	\$ 346.00	\$ 692.00
148	Eagle 24 Gallon HDPE M24CRA - With 2" Vents	EA	1	0%	1	0.350	\$ 52.00	\$ 18.20	\$ 1,471.00	\$ 1,489.20	\$ 1,489.20
149	Backwash Stand Pipe	EA	1	0%	1	0.350	\$ 52.00	\$ 18.20	\$ 26.99	\$ 45.19	\$ 45.19
150	Sump Pit, (By Others)	EA	1	0%	1	1.350	\$ 52.00	\$ 70.20	\$ 375.00	\$ 445.20	\$ 445.20
151	Pool Fill Spout 1.5 Stainless	EA	1	0%	1	0.450	\$ 52.00	\$ 23.40	\$ 231.72	\$ 255.12	\$ 255.12
152	Pressure Gauge	EA	2	0%	2	0.180	\$ 52.00	\$ 9.36	\$ 15.68	\$ 25.04	\$ 50.08
153	Suction Manifold	EA	1	0%	1	0.350	\$ 52.00	\$ 18.20	\$ 70.39	\$ 88.59	\$ 88.59
154	Thermometer	EA	3	0%	3	0.250	\$ 52.00	\$ 13.00	\$ 189.00	\$ 202.00	\$ 606.00
155	Flow Switch	EA	1	0%	1	0.200	\$ 52.00	\$ 10.40	\$ 195.00	\$ 205.40	\$ 205.40
<b>Hot Water Heater</b>											
156	Gas Heater, POOL BOILER- APN400 By LOCHINVAR, With Titanium Plate And Frame Hex, Condensate Neutralizing Kit; Direct Air Inlet And Exhaust,400K Btu/h Natural Gas, 120/240V	EA	1	0%	1	2.840	\$ 52.00	\$ 147.68	\$ 2,199.00	\$ 2,346.68	\$ 2,346.68
<b>PVC Couplings</b>											
157	2" Dia Coupling	EA	58	0%	58	0.539	\$ 52.00	\$ 28.03	\$ 19.11	\$ 47.14	\$ 2,734.00
158	3" Dia Coupling	EA	33	0%	33	0.539	\$ 52.00	\$ 28.03	\$ 24.55	\$ 52.58	\$ 1,735.07
159	4" Dia Coupling	EA	12	0%	12	0.539	\$ 52.00	\$ 28.03	\$ 36.18	\$ 64.21	\$ 770.50
<b>Trenching &amp; Backfilling</b>											

**DETAILED BREAKDOWN OF ITEMS**

Prepared for:  
 Project ID:  
 Scope: GC



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
160	Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	CFT	2820	0%	2820	0.040	\$ 52.00	\$ 2.08	\$ -	\$ 2.08	\$ 5,865.60
<b>SUBTOTAL \$ 67,466</b>											
<b>ELECTRICAL</b>											
<b>Distribution</b>											
	<b>Disconnect Switch</b>										
161	2P/30A Disconnect Switch (Rating Assumed)	EA	1	0%	1	0.543	\$ 60.00	\$ 32.58	\$ 40.56	\$ 73.14	\$ 73.14
	<b>Grounding</b>										
162	#8 Bare Copper	LF	50	10%	55	0.018	\$ 60.00	\$ 1.08	\$ 0.61	\$ 1.69	\$ 92.90
<b>Power</b>											
	<b>Conduit</b>										
163	3/4" RGS Conduit	LF	222	10%	244	0.034	\$ 60.00	\$ 2.04	\$ 2.52	\$ 4.56	\$ 1,113.55
	<b>Conductor</b>										
164	2#16 TSP Cable (Assumed Length)	LF	30	10%	33	0.015	\$ 60.00	\$ 0.90	\$ 1.45	\$ 2.35	\$ 77.55
165	2#18 TSP Cable (Assumed Length)	LF	30	10%	33	0.015	\$ 60.00	\$ 0.90	\$ 1.42	\$ 2.32	\$ 76.56
166	CAT5 Cable	LF	52	10%	57	0.019	\$ 60.00	\$ 1.14	\$ 1.02	\$ 2.16	\$ 123.08
167	#12 CU THHN/THWN	LF	34	10%	38	0.015	\$ 60.00	\$ 0.90	\$ 0.23	\$ 1.13	\$ 42.73
168	#10 CU THHN/THWN	LF	633	10%	696	0.015	\$ 60.00	\$ 0.90	\$ 0.35	\$ 1.25	\$ 868.31
	<b>Device</b>										
169	ADA Lift Socket (Installation Only)	EA	1	0%	1	0.300	\$ 60.00	\$ 18.00	\$ -	\$ 18.00	\$ 18.00
170	Automatic Filling Controller For Pool And Spa, Leveler K-1100 Or Equal, Sensor In Static Water Line In EQ Room, Solenoid On Bypass Line At Manual Fill Valve With Air Gape At Rim Spout	EA	1	0%	1	0.650	\$ 60.00	\$ 39.00	\$ 195.00	\$ 234.00	\$ 234.00
171	Buck Booster Transformer	EA	2	0%	2	1.350	\$ 60.00	\$ 81.00	\$ 346.26	\$ 427.26	\$ 854.52
172	Chemistry Controller, CAT-3500 For Salt Water Pool And Spa	EA	1	0%	1	2.300	\$ 60.00	\$ 138.00	\$ 1,889.00	\$ 2,027.00	\$ 2,027.00
173	Controller & Sub Panel	EA	1	0%	1	1.850	\$ 60.00	\$ 111.00	\$ 1,287.00	\$ 1,398.00	\$ 1,398.00
174	Duplex Receptacle, GFCI With Outdoor/Wet Location Cover	EA	6	0%	6	0.300	\$ 60.00	\$ 18.00	\$ 25.50	\$ 43.50	\$ 261.00
175	E-Stop Button	EA	1	0%	1	0.300	\$ 60.00	\$ 18.00	\$ 39.34	\$ 57.34	\$ 57.34
176	ORP Sensor	EA	1	0%	1	0.425	\$ 60.00	\$ 25.50	\$ 53.85	\$ 79.35	\$ 79.35
177	Pentair Water Automatic Load Center	EA	1	0%	1	0.385	\$ 60.00	\$ 23.10	\$ 1,187.00	\$ 1,210.10	\$ 1,210.10
178	PH Sensor	EA	1	0%	1	0.250	\$ 60.00	\$ 15.00	\$ 36.99	\$ 51.99	\$ 51.99
179	Pool Controller, Intel touch Power Center By Pentair Connect To Circulation Pumps And Allows For Control Of Subordinates Circuit And Devices Based On Main Pump Activation	EA	1	0%	1	1.250	\$ 60.00	\$ 75.00	\$ 1,049.25	\$ 1,124.25	\$ 1,124.25
180	Replaceable Sacrificial Anodes	EA	2	0%	2	0.285	\$ 60.00	\$ 17.10	\$ 38.00	\$ 55.10	\$ 110.20
181	Water Quality Controller	EA	1	0%	1	0.450	\$ 60.00	\$ 27.00	\$ 459.00	\$ 486.00	\$ 486.00
<b>Lighting</b>											
	<b>Conduit</b>										
182	3/4" PVC SCH 40 Conduit	LF	225	10%	248	0.034	\$ 60.00	\$ 2.04	\$ 0.37	\$ 2.41	\$ 597.77
	<b>Conductor</b>										
183	#10 CU THHN/THWN	LF	676	10%	744	0.015	\$ 60.00	\$ 0.90	\$ 0.35	\$ 1.25	\$ 930.15
	<b>Lighting Fixtures</b>										
184	Hardwired Wall Clock	EA	1	0%	1	0.034	\$ 60.00	\$ 2.04	\$ 37.36	\$ 39.40	\$ 39.40
185	Intellibrite 5G LED Lights 120V Version, Junction Boxes To Be Provided Loose By Pool Contractor	EA	4	0%	4	0.547	\$ 60.00	\$ 32.82	\$ 589.00	\$ 621.82	\$ 2,487.28
	<b>Lighting Control</b>						\$ 60.00				
186	Under Water Light Junction Box And Switch Controller	EA	1	0%	1	0.398	\$ 60.00	\$ 23.88	\$ 64.31	\$ 88.19	\$ 88.19
<b>Miscellaneous</b>											
187	Under Water Light Junction Box	EA	2	0%	2	0.398	\$ 60.00	\$ 23.88	\$ 53.45	\$ 77.33	\$ 154.66
<b>Saw Cut</b>											
188	Saw Cut & Repair Concrete Floor For Conduit Installation	LF	225	0%	225	0.045	\$ 60.00	\$ 5.50	\$ -	\$ 5.50	\$ 1,237.50
<b>SUBTOTAL \$ 15,915</b>											
<b>PROJECTED COST</b>										<b>\$ 286,919.18</b>	
<b>OVERHEAD AND PROFIT</b>								<b>0.15</b>	<b>0.15</b>	<b>15%</b>	<b>\$43,038</b>
<b>Tax</b>								<b>0.06</b>	<b>0.06</b>	<b>6%</b>	<b>\$8,454</b>
<b>INSURANCE</b>								<b>0.03</b>	<b>0.03</b>	<b>3%</b>	<b>\$8,608</b>
<b>CONTINGENCY</b>								<b>0.05</b>	<b>0.05</b>	<b>5%</b>	<b>\$14,346</b>
<b>SUGGESTED BID</b>											<b>\$361,364</b>

- Note:**
- Please verify the equipment's and their prices with owner.
  - Online sources are used for pricing.
  - Prices can vary depending upon field conditions.

The information contained in this transmission and any attachments are for the sole use of the intended recipient(s) and may be confidential, privileged, copyrighted or may constitute intellectual property. Any unauthorized review, use, disclosure or distribution of this transmission and any attachments is strictly prohibited. If you have received this transmission in error, please contact the sender and destroy all paper and/or electronic copies of this transmission. Information contained in this email is not authorized to be forwarded to others or duplicated without direct consent of the sender. Information contained in any attachment is not intended to be used in any manner or altered without the expressed written permission of NEDES LLC.