VERACITY ESTIMATING

Construction Estimation Services

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	MATERIAL COST	LABOR RATE	LABOR HOURS	LABOR COST	TOTAL COST
DEMOLITION WORK											
SUCTION PIPE											
PVC											
1	8" Dia Suction Pipe	12	10%	13	LFT		$ -	$ 75	1	$ 97	$ 97
2	12" Dia Suction Pipe	5	10%	6	LFT		$ -	$ 75	1	$ 53	$ 53
3	20" Dia Suction Pipe	30	10%	33	LFT		$ -	$ 75	6	$ 456	$ 456
4	36" Suction Pipe	7	10%	8	LFT		$ -	$ 75	2	$ 184	$ 184
SUCTION PIPE FITTING											
ELBOW											
1	12" Dia Suction Pipe 90 Deg Elbow	6	0%	6	EA		$ -	$ 75	7	$ 549	$ 549
REDUCER											
1	12"x8" Suction Pipe Eccentric Reducer	3	0%	3	EA		$ -	$ 75	3	$ 236	$ 236
2	20"x12" Suction Pipe Eccentric Reducer	3	0%	3	EA		$ -	$ 75	4	$ 293	$ 293
3	24"x12" Suction Pipe Eccentric Reducer	3	0%	3	EA		$ -	$ 75	4	$ 315	$ 315
DI PIPE											
PVC											
1	6" DI Pipe	64	10%	70	LFT		$ -	$ 75	4	$ 316	$ 316
DI PIPE FITTING											
ELBOW											
1	6" DI Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 92	$ 92
THICKENED WASTE SLUDGE PIPE											
DIP											
1	4" Thickended Waste Sludge Pipe	34	10%	37	LFT		$ -	$ 75	1	$ 98	$ 98

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FCA PIPE											
DIP											
1	4" FCA Pipe	17	10%	19	LFT		$ -	$ 75	1	$ 49	$ 49
FCA PIPE FITTING											
ELBOW											
1	4" FCA Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 56	$ 56
TEE											
1	4" FCA Pipe Tee	2	0%	2	EA		$ -	$ 75	1	$ 69	$ 69
NITRATE RICH RECYCLE PIPE											
DIP											
1	30" NRCY Pipe	141	10%	156	LFT		$ -	$ 75	40	$ 3,033	$ 3,033
2	36" NRCY Pipe	48	10%	52	LFT		$ -	$ 75	16	$ 1,199	$ 1,199
ALUMINUM RICH RECYCLE PIPE PIPE											
DIP											
1	30" ARCY Pump Discharge Pipe	116	10%	128	LFT		$ -	$ 75	33	$ 2,491	$ 2,491
SEAL WATER PIPE											
PVC											
1	3/4" Dia Seal Water Pipe	26	10%	28	LFT		$ -	$ 75	0	$ 21	$ 21
PRIMARY INFLUENT PIPE											
DIP											
1	20" Dia Primary Influent Primary Influentpe	99	10%	109	LFT		$ -	$ 75	20	$ 1,511	$ 1,511
2	30" Dia Primary Influent Primary Influentpe	69	10%	76	LFT		$ -	$ 75	20	$ 1,480	$ 1,480
PRIMARY INFLUENT PIPE FITTING											
ELBOW											
1	20" Dia Primary Influent Primary Influentpe 45 Deg Elbow	1	0%	1	EA		$ -	$ 75	2	$ 137	$ 137
2	20" Dia Primary Influent Primary Influentpe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	2	$ 137	$ 137
3	30" Dia Primary Influent Primary Influentpe 90 Deg Elbow	7	0%	7	EA		$ -	$ 75	18	$ 1,349	$ 1,349

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REDUCER												
1	30" x 20" Dia Primary Influent Primary Influentpe Reducer	7	0%	7	EA		$ -	$ 75	11	$ 840	$ 840
PLANT EFFLUENT WATER PIPE												
PVC												
1	2-1/2" Plant Effluent Water W3 Pipe	23	10%	25	LFT		$ -	$ 75	1	$ 38	$ 38
2	3" Dia Plant Effluent Water W3 Pipe	2	10%	2	LFT		$ -	$ 75	0	$ 4	$ 4
PLANT EFFLUENT WATER W3 PIPE FITTING												
ELBOW												
1	2-1/2" Plant Effluent Water W3 Pipe 90 Deg Elbow	7	0%	7	EA		$ -	$ 75	2	$ 137	$ 137
2	3" Dia Plant Effluent Water W3 Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	0	$ 23	$ 23
3	6" Dia Plant Effluent Water W3 Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	1	$ 46	$ 46
TEE												
1	2-1/2" Plant Effluent Water W3 Pipe Tee	3	0%	3	EA		$ -	$ 75	1	$ 88	$ 88
AIR LOW PRESSURE PROCESS PIPE												
Stainless Steel 304L												
1	16" Air Low Pressure Process Pipe	35	10%	39	LFT		$ -	$ 75	50	$ 3,727	$ 3,727
2	18" Air Low Pressure Process Pipe	39	10%	43	LFT		$ -	$ 75	56	$ 4,164	$ 4,164
3	36" Air Low Pressure Process Pipe	32	10%	35	LFT		$ -	$ 75	91	$ 6,809	$ 6,809
FCA PIPE FITTING												
ELBOW												
1	16" Air Low Pressure Process Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	6	$ 456	$ 456
2	18" Air Low Pressure Process Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	7	$ 501	$ 501
PLANT DRAIN PIPE												
PVC												
1	8" Dia Plant Drain Pipe	3	10%	3	LFT		$ -	$ 75	0	$ 21	$ 21
2	10" Plant Drain Pipe	71	10%	78	LFT		$ -	$ 75	9	$ 642	$ 642
PLANT DRAIN PIPE FITTING												
ELBOW												

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1	10" Plant Drain Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	2	$ 162	$ 162
TEE												
1	10" Plant Drain Pipe Tee	1	0%	1	EA		$ -	$ 75	2	$ 122	$ 122
POLYMER SOLUTION PIPE (POS)												
PVC												
1	1-1/2" Polymer Solution Pipe	345	10%	380	LFT		$ -	$ 75	6	$ 427	$ 427
2	2-1/2" Polymer Solution Pipe	24	10%	26	LFT		$ -	$ 75	1	$ 59	$ 59
POLYMER SOLUTION PIPE FITTING (POS)												
ELBOW												
1	1-1/2" Polymer Solution Pipe 90 Deg Elbow	28	0%	28	EA		$ -	$ 75	5	$ 357	$ 357
2	1-1/2" Polymer Solution Pipe 45 Deg Elbow	8	0%	8	EA		$ -	$ 75	1	$ 102	$ 102
TEE												
1	1-1/2" Polymer Solution Pipe Tee	2	0%	2	EA		$ -	$ 75	1	$ 38	$ 38
RECIRCULATION PIPE												
PVC												
1	4" Dia Recirculatio Pipe	15	10%	16	LFT		$ -	$ 75	1	$ 42	$ 42
2	6" Recirculation Pipe	11	10%	12	LFT		$ -	$ 75	1	$ 52	$ 52
RECIRCULATION PIPE FITTING												
ELBOW												
1	4" Dia Recirculatio Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	0	$ 28	$ 28
2	6" Dia Recirculatio Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	1	$ 46	$ 46
3	6" Dia Recirculation 11.5 Deg Elbow	1	0%	1	EA		$ -	$ 75	1	$ 46	$ 46
4	6" Dia Recirculation 45 Deg Elbow	1	0%	1	EA		$ -	$ 75	1	$ 46	$ 46
TEE												
1	6" Dia Recirculation Pipe Tee	1	0%	1	EA		$ -	$ 75	1	$ 69	$ 69
REDUCER												
1	6"x4" Recirculatio Pipe Reducer	1	0%	1	EA		$ -	$ 75	1	$ 46	$ 46

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DIGESTED SLUDGE PIPE											
DIP											
1	4" Dia Digested Sludge Pipe	98	10%	107	LFT		$ -	$ 75	4	$ 282	$ 282
DIGESTED SLUDGE PIPE FITTING											
ELBOW											
1	4" Dia Digested Sludge Pipe 90 Deg Elbow	6	0%	6	EA		$ -	$ 75	2	$ 167	$ 167
TEE											
1	4" Dia Digested Sludge Pipe Tee	3	0%	3	EA		$ -	$ 75	2	$ 125	$ 125
THICKENED WASTE ACTIVATED SLUDGE PIPE											
DIP											
1	4" Dia Thickened Waste Activated Sludge Pipe	12	10%	13	LFT		$ -	$ 75	0	$ 35	$ 35
THICKENED WASTE ACTIVATED SLUDGE PIPE FITTING											
ELBOW											
1	4" Dia Thickened Waste Activated Sludge Pipe 90 Deg Elbow	3	0%	3	EA		$ -	$ 75	1	$ 83	$ 83
ODOROUS AIR PIPE											
HDPE											
1	60" Dia Odorous Pipe	14	10%	16	LFT		$ -	$ 75	8	$ 570	$ 570
ODOROUS AIR PIPE FITTING											
ELBOW											
1	60" Dia Odorous Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	10	$ 723	$ 723
2	18" Dia Odorous Flanged Intake Fitting	5	0%	5	EA		$ -	$ 75	8	$ 626	$ 626
MEMBRANE PERMEATE PIPE											
Stainless Steel											
1	8" Dia Membrane Permeate Pipe	54	10%	59	LFT		$ -	$ 75	37	$ 2,765	$ 2,765
PVC PIPE											
PVC PIPE											

Veracity Estimating

1	1/2" Dia PVC Pipe	179	10%	197	LFT		$ -	$ 75	2	$ 148	$ 148
PVC PIPE FITTING												
ELBOW												
1	1/2" Dia PVC Pipe 90 Deg Elbow	36	0%	36	EA		$ -	$ 75	4	$ 270	$ 270
PA PIPE												
PVC												
1	1/4" Dia PA Pipe	13	10%	14	LFT		$ -	$ 75	0	$ 11	$ 11
2	1/2" Dia PA Pipe	6	10%	6	LFT		$ -	$ 75	0	$ 5	$ 5
PA PIPE FITTING												
ELBOW												
1	1/4" Dia PA Pipe 90 Deg Elbow	6	0%	6	EA		$ -	$ 75	1	$ 45	$ 45
2	1/2" Dia PA Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	0	$ 8	$ 8
TEE												
1	1/2" / 1/4" Dia PA Pipe Tee	4	0%	4	EA		$ -	$ 75	0	$ 36	$ 36
SODIUM HYPHOCHLORITE PIPE												
PVC												
1	1/2" Dia Sodium Hyphochlorite Pipe	35	10%	38	LFT		$ -	$ 75	0	$ 29	$ 29
2	3/4" Dia Sodium Hyphochlorite Pipe	7	10%	8	LFT		$ -	$ 75	0	$ 6	$ 6
SODIUM HYPHOCHLORITE PIPE FITTING												
ELBOW												
1	1/2" Dia Sodium Hyphochlorite Pipe 90 Deg Elbow	3	0%	3	EA		$ -	$ 75	0	$ 23	$ 23
TEE												
1	1/2" Dia Sodium Hyphochlorite Pipe Tee	1	0%	1	EA		$ -	$ 75	0	$ 9	$ 9
CITRIC ACID2 PIPE												
PVC												
1	1/2" Dia Citric Acid2 Pipe	7	10%	8	LFT		$ -	$ 75	0	$ 6	$ 6
2	3/4" Dia Citric Acid2 Pipe	16	10%	18	LFT		$ -	$ 75	0	$ 13	$ 13

Veracity Estimating

3	2" Dia Citric Acid2 Fill Pipe	36	10%	39	LFT		$ -	$ 75	1	$ 59	$ 59
CITRIC ACID2 PIPE FITTING												
ELBOW												
1	1/2" Dia Citric Acid2 Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	0	$ 8	$ 8
2	3/4" Dia Citric Acid2 Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	0	$ 9	$ 9
3	2" Dia Citric Acid2 Fill Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	1	$ 42	$ 42
SCREENED PRIMARY EFFLUENT OVERFLOW PIPE FITTING												
ELBOW												
1	30" Dia Screened Primary Effluent Overflow Pipe 90 Deg Elbow	1	10%	1	LFT		$ -	$ 75	3	$ 212	$ 212
GRIT SLURRY PIPE												
CIP												
1	4" Dia Grit Slurry Pipe	75	10%	82	LFT		$ -	$ 75	2	$ 184	$ 184
GRIT SLURRY PIPE FITTING												
ELBOW												
1	4" Dia Grit Slurry Pipe 90 Deg Elbow	3	0%	3	EA		$ -	$ 75	1	$ 83	$ 83
TEE												
1	4" Dia Grit Slurry Pipe Tee	2	0%	2	EA		$ -	$ 75	1	$ 83	$ 83
MISC PIPE												
PVC												
1	4" Dia Pipe	29	10%	32	LFT		$ -	$ 75	1	$ 71	$ 71
MISC. PIPE FITTING												
ELBOW												
1	4" Dia Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 56	$ 56
FLOW METER												
1	Flow Meter/Transmitter	2	0%	2	EA		$ -	$ 75	1	$ 53	$ 53
2	1-1/2" Dia Flow Meter/Transmitter	3	0%	3	EA		$ -	$ 75	2	$ 113	$ 113
3	1-1/2" Flowmeter	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38

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4	4" Dia Flow Meter	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
5	4" Dia FE 60-2301, Flowmeter (Use For Re-Install)	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
6	4" Dia FE 60-2302, Flowmeter (Use For Re-Install)	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
7	8" Dia Flow Meter	12	0%	12	EA		$ -	$ 75	14	$ 1,080	$ 1,080
8	20" Dia PI Flow Meter	3	0%	3	EA		$ -	$ 75	6	$ 450	$ 450
9	20" Flow Meter	1	0%	1	EA		$ -	$ 75	2	$ 150	$ 150
METER											
1	Turbidity Meter	12	0%	12	EA		$ -	$ 75	10	$ 720	$ 720
CHECK VALVE											
1	3/4" Dia Check Valve	2	0%	2	EA		$ -	$ 75	1	$ 38	$ 38
2	1/2" Dia Check Valve	5	0%	5	EA		$ -	$ 75	1	$ 94	$ 94
3	4" Check Valve	2	0%	2	EA		$ -	$ 75	2	$ 120	$ 120
4	8" Dia Check Valve	12	0%	12	EA		$ -	$ 75	17	$ 1,260	$ 1,260
5	12" Dia Check Valve	7	0%	7	EA		$ -	$ 75	14	$ 1,050	$ 1,050
6	16" Check Valve	2	0%	2	EA		$ -	$ 75	4	$ 330	$ 330
BLIND FLANGE											
1	4" Blind Flange	3	0%	3	EA		$ -	$ 75	1	$ 90	$ 90
2	6" Dia Blind Flange	2	0%	2	EA		$ -	$ 75	1	$ 75	$ 75
3	3" Dia Blind Flange	2	0%	2	EA		$ -	$ 75	1	$ 60	$ 60
4	4" Dia Blind Flange	3	0%	3	EA		$ -	$ 75	1	$ 90	$ 90
5	6" Dia Blind Flange	2	0%	2	EA		$ -	$ 75	1	$ 75	$ 75
UNION											
1	1-1/2" Union	1	0%	1	EA		$ -	$ 75	0	$ 23	$ 23
HFCA											
1	4" Dia HFCA	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
2	6" Dia HFCA	2	0%	2	EA		$ -	$ 75	2	$ 120	$ 120
HFA											
1	24" HFA	3	0%	3	EA		$ -	$ 75	6	$ 450	$ 450

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PLUG VALVE												
1	4" Dia Plug Valve	13	0%	13	EA		$ -	$ 75	10	$ 780	$ 780
2	6" Plug Valve	2	0%	2	EA		$ -	$ 75	2	$ 150	$ 150
3	10" Dia Plug Valve	6	0%	6	EA		$ -	$ 75	10	$ 720	$ 720
4	12" Dia Plug Valve	13	0%	13	EA		$ -	$ 75	23	$ 1,755	$ 1,755
BALL VALVE												
1	3/4" Dia Ball Valve	21	0%	21	EA		$ -	$ 75	5	$ 394	$ 394
2	1/2" Dia SS Ball Valve	12	0%	12	EA		$ -	$ 75	3	$ 225	$ 225
3	1/2" Dia Ball Valve	65	0%	65	EA		$ -	$ 75	16	$ 1,219	$ 1,219
4	1-1/2" Dia Ball Valve	6	0%	6	EA		$ -	$ 75	3	$ 225	$ 225
5	2" Dia Ball Valve	3	0%	3	EA		$ -	$ 75	2	$ 135	$ 135
6	6" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	1	$ 64	$ 64
BUTTERFLY VALVE												
1	3" Dia Butterfly Valve	96	0%	96	EA		$ -	$ 75	67	$ 5,040	$ 5,040
2	4" Dia Butterfly Valve	54	0%	54	EA		$ -	$ 75	43	$ 3,240	$ 3,240
3	8" Dia Butterfly Valve, Manual Operator	2	0%	2	EA		$ -	$ 75	3	$ 210	$ 210
4	8" Dia Butterfly Valve	32	0%	32	EA		$ -	$ 75	45	$ 3,360	$ 3,360
5	10" Dia Butterfly Valve	38	0%	38	EA		$ -	$ 75	61	$ 4,560	$ 4,560
6	10" Dia Butterfly Valve, Motorized Actuator	21	0%	21	EA		$ -	$ 75	34	$ 2,520	$ 2,520
7	16" Butterfly Valve	2	0%	2	EA		$ -	$ 75	4	$ 330	$ 330
8	18" Butterfly Valve	2	0%	2	EA		$ -	$ 75	5	$ 360	$ 360
9	24" Dia Butterfly Valve	22	0%	22	EA		$ -	$ 75	62	$ 4,620	$ 4,620
VALVE												
1	ARV (Size and detail not mentioned)	12	0%	12	EA		$ -	$ 75	6	$ 450	$ 450
2	1/4" Dia Needle Valve	5	0%	5	EA		$ -	$ 75	1	$ 94	$ 94
3	3/4" Dia Needle Valve	2	0%	2	EA		$ -	$ 75	1	$ 38	$ 38
4	1/2" Dia Needle Valve	5	0%	5	EA		$ -	$ 75	1	$ 94	$ 94
5	1" Dia Drain Valve (Size Assumed)	2	0%	2	EA		$ -	$ 75	1	$ 60	$ 60
6	2" Dia Diaphram Valve	2	0%	2	EA		$ -	$ 75	1	$ 90	$ 90
7	4" Dia GRS Pipe Valve	2	0%	2	EA		$ -	$ 75	2	$ 120	$ 120
8	8" Dia MP	12	0%	12	EA		$ -	$ 75	17	$ 1,260	$ 1,260
9	30" Dia Butterfly Valve	6	0%	6	EA		$ -	$ 75	20	$ 1,530	$ 1,530

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ACTUATOR PIPE VALVE											
1	1-1/2" Dia Actuator Pipe Valve	9	0%	9	EA		$ -	$ 75	7	$ 540	$ 540
PROCESS AIR BLOWER											
1	Process Air Blower	2	0%	2	EA		$ -	$ 75	12	$ 900	$ 900
PUMP											
1	Septage Transfer Pump	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
2	Remove Septage Recirculation Pump P-15-1007	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
3	Remove Pump P10-600	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
4	Remove Pump P10-200	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
5	Remove Pump P10-100	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
6	Twas Pump P70-3002	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
7	Twas Pump P70-3001	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
8	NRCY Pump	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
9	ARCY Pump	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
TANK											
1	Citric Acid Storage Tank 1, 4400 GAL	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
2	Citric Acid Storage Tank 2, 4400 GAL	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
MEMBRANE											
1	Membrane Channel No 1	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
2	Membrane Channel No 2	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
3	Membrane Channel No 3	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
4	Membrane Channel No 4	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
5	Membrane Channel No 5	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
6	Membrane Channel No 6	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
7	Membrane Channel No 7	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
8	Membrane Channel No 8	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
9	Membrane Channel No 9	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
10	Membrane Channel No 10	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
11	Membrane Channel No 11	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
12	Membrane Channel No 12	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300

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FLUSHING CONNECTION												
1	Flushing Connection	1	0%	1	EA		$ -	$ 75	1	$ 56	$ 56
COUPLING												
1	4" Flex Coupling	4	0%	4	EA		$ -	$ 75	3	$ 225	$ 225
SILENCER												
1	16" Silencer	2	0%	2	EA		$ -	$ 75	4	$ 300	$ 300
2	18" Silencer	2	0%	2	EA		$ -	$ 75	4	$ 300	$ 300
KNIFE GATE VALVE												
1	10" Knife Gate Valve	4	0%	4	EA		$ -	$ 75	6	$ 480	$ 480
2	24" FV10-501 Knife Gate Valve	1	0%	1	EA		$ -	$ 75	3	$ 210	$ 210
3	24" FV10-401 Knife Gate Valve	1	0%	1	EA		$ -	$ 75	3	$ 210	$ 210
4	24" FV10-301 Knife Gate Valve	1	0%	1	EA		$ -	$ 75	3	$ 210	$ 210
MOTORIZED ACTUATOR												
1	Motorized Actuator	2	0%	2	EA		$ -	$ 75	3	$ 240	$ 240
2	8" Dia Motorized Actuator	18	0%	18	EA		$ -	$ 75	29	$ 2,160	$ 2,160
3	10" Dia Motorized Actuator	2	0%	2	EA		$ -	$ 75	4	$ 300	$ 300
4	12" Dia Motorized Actuator	13	0%	13	EA		$ -	$ 75	29	$ 2,145	$ 2,145
ISOLATION VALVE												
1	Isolation Ring	4	0%	4	EA		$ -	$ 75	3	$ 240	$ 240
ACTUATOR/OPERATOR												
1	4" Dia Manual Operator	1	0%	1	EA		$ -	$ 75	0	$ 30	$ 30
2	10" Dia Manual Operator	5	0%	5	EA		$ -	$ 75	4	$ 300	$ 300
3	12" Dia Manual Operator	16	0%	16	EA		$ -	$ 75	13	$ 960	$ 960
4	24" Dia Manual Operator	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
SLIDE GATE												
1	Slide Gate And Frame (Size Not Mentioned)	2	0%	2	EA		$ -	$ 75	2	$ 180	$ 180
2	Slide Gate (Size Not Mentioned)	12	0%	12	EA		$ -	$ 75	14	$ 1,080	$ 1,080

Veracity Estimating

FIXTURE												
1	FPR Covers	12	0%	12	EA		$ -	$ 75	14	$ 1,080	$ 1,080
2	Condensing Unit	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
3	Sink, Cap Water Supply & Drain	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
4	Cabinetry And Countertop	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
HOSE												
1	3/4" Dia Reinforced Thermoplastic Hose	1	0%	1	EA		$ -	$ 75	1	$ 44	$ 44
2	1/4" Dia Reinforced Thermoplastic Hose	1	0%	1	EA		$ -	$ 75	1	$ 42	$ 42
SENSOR PRESSURE INDICATOR												
1	1/2" Dia Pressure Gauge	23	0%	23	EA		$ -	$ 75	7	$ 518	$ 518
2	3/4" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	0.3	$ 23	$ 23
3	3/4" Dia Y-Strainer	1	0%	1	EA		$ -	$ 75	0.3	$ 23	$ 23
4	4" Dia GRS Pressure Indicator	2	0%	2	EA		$ -	$ 75	1	$ 90	$ 90
5	8" Dia Manual Operator	2	0%	2	EA		$ -	$ 75	2	$ 120	$ 120
6	Flow Switch	7	0%	7	EA		$ -	$ 75	2	$ 158	$ 158
7	Pneumatic Actuator	5	0%	5	EA		$ -	$ 75	4	$ 300	$ 300
8	Pressure Indicator/Transmitter	6	0%	6	EA		$ -	$ 75	5	$ 360	$ 360
9	Pressure Senosr (Size Not Mentioned)	12	0%	12	EA		$ -	$ 75	10	$ 720	$ 720
10	Sensor/Transmitter	12	0%	12	EA		$ -	$ 75	10	$ 720	$ 720
11	Temperature Instrument	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
	DEMO & REPLACE											
VALVE												
1	10" Dia FCV3474-1, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
2	10" Dia FCV3474-2, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
3	10" Dia FCV3474-3, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
4	10" Dia FCV3474-4, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
5	10" Dia FCV3474-5, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
6	10" Dia FCV3474-6, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
7	10" Dia FCV3474-7, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
8	10" Dia FCV3474-8, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
9	10" Dia FCV3474-9, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
10	10" Dia FCV3474-10, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
11	10" Dia FCV3474-11, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225

Veracity Estimating

12	10" Dia FCV3474-12, Butterfly Valve And Actuator	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
METER & MONITOR											
1	AIT 50-1152, Replace Turbidimeter Meter	1	0%	1	EA		$ -	$ 75	2	$ 150	$ 150
2	AIT 50-1102, Replace UVT Monitor	1	0%	1	EA		$ -	$ 75	2	$ 150	$ 150
3	AIT 50-1151, Replace Turbidimeter Meter	1	0%	1	EA		$ -	$ 75	2	$ 150	$ 150
4	AIT 50-1304, Replace UVT Monitor	1	0%	1	EA		$ -	$ 75	2	$ 150	$ 150
MECHANICAL WIPERS											
1	Remove And Replace Mechanical Wipers In Bank One And Two For Existing UV Reactors	6	0%	6	EA		$ -	$ 75	12	$ 900	$ 900
MECHANICAL WIPERS											
1	Do Probe And Transmitter	1	0%	1	EA		$ -	$ 75	2	$ 150	$ 150
OVERFLOW PIPE											
PVC											
1	4" Dia Overflow Pipe	64	10%	71	LFT		$ -	$ 75	2	$ 186	$ 186
OVERFLOW PIPE FITING											
ELBOW											
1	4" Dia Overflow Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 56	$ 56
SAMPLER											
1	Sampler Relocated From Existing Area	1	0%	1	EA		$ -	$ 75	2	$ 150	$ 150
NEW WORK											
SUCTION PIPE											
PVC											
1	4" Dia Suction Pipe	96	10%	106	LFT		$ -	$ 75	7	$ 557	$ 557
2	12" Dia Suction Pipe	8	10%	8	LFT		$ -	$ 75	2	$ 149	$ 149
SUCTION PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											

Veracity Estimating

1	4" Dia Suction Pipe	96	10%	106	LFT		$ -	$ 75	6	$ 478	$ 478
2	12" Dia Suction Pipe	8	10%	8	LFT		$ -	$ 75	1	$ 62	$ 62
SUCTION PIPE FITTING											
ELBOW											
1	4" Dia Suction Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	3	$ 222	$ 222
TEE											
1	4" Suction Pipe Tee	4	0%	4	EA		$ -	$ 75	4	$ 333	$ 333
2	6" Suction Pipe Tee	1	0%	1	EA		$ -	$ 75	2	$ 137	$ 137
3	6" x 4" Suction Pipe Tee	2	0%	2	EA		$ -	$ 75	4	$ 275	$ 275
REDUCER											
1	6"x4" Suction Pipe Eccentric Reducer	2	0%	2	EA		$ -	$ 75	2	$ 183	$ 183
VENT PIPE											
Stainless Steel Pipe											
1	18" Vent Pipe (BE 316 Stainless Steel)	20	10%	22	LFT		$ -	$ 75	56	$ 4,227	$ 4,227
SAMPLE PIPE											
Stainless Steel Pipe											
1	2" Sample Pipe	6	10%	7	LFT		$ -	$ 75	1	$ 107	$ 107
SAMPLE PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	2" Sample Pipe	6	10%	7	LFT		$ -	$ 75	0.4	$ 27	$ 27
SAMPLE PIPE FITTING											
ELBOW											
1	2" Sample Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 57	$ 57
FLEX HOSE PIPE											
PVC											
1	1/2" Flex Hose Pipe	26	10%	29	LFT		$ -	$ 75	1	$ 43	$ 43

Veracity Estimating

2	3/4" Dia Flex Hose Pipe	37	10%	41	LFT		$ -	$ 75	1	$ 61	$ 61
FLEX HOSE PIPE INSULATION												
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	1/2" Flex Hose Pipe	26	10%	29	LFT		$ -	$ 75	1	$ 43	$ 43
2	3/4" Dia Flex Hose Pipe	37	10%	41	LFT		$ -	$ 75	1	$ 61	$ 61
FLEX HOSE PIPE FITTING												
ELBOW												
1	3/4" Dia W3 Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	1	$ 72	$ 72
TEE												
1	3/4" Dia W3 Flex Hose Pipe Tee	1	0%	1	EA		$ -	$ 75	0	$ 27	$ 27
TC PIPE												
PVC												
1	8" TC Pipe	47	10%	52	LFT		$ -	$ 75	10	$ 774	$ 774
TC PIPE INSULATION												
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	8" TC Pipe	47	10%	52	LFT		$ -	$ 75	4	$ 271	$ 271
TC PIPE FITTING												
ELBOW												
1	8" TC Pipe 90 Deg Elbow	3	0%	3	EA		$ -	$ 75	6	$ 446	$ 446
2	8" TC Pipe 45 Deg Elbow	6	0%	6	EA		$ -	$ 75	12	$ 891	$ 891
TEE												
1	8" TC Pipe Tee	1	0%	1	EA		$ -	$ 75	3	$ 223	$ 223
PRIMARY SCUM PIPE												
DIP (Glass Lined)												
1	8" Dia Primary Scum Pipe	194	10%	213	LFT		$ -	$ 75	43	$ 3,200	$ 3,200

Veracity Estimating

PRIMARY SCUM PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	8" Dia Primary Scum Pipe	194	10%	213	LFT		$ -	$ 75	15	$ 1,120	$ 1,120
PRIMARY SCUM PIPE FITTING											
ELBOW											
1	8" Dia Primary Scum Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	4	$ 297	$ 297
PRIMARY SLUDGE PIPE											
DIP (Glass Lined)											
1	2" Primary Sludge Pipe	11	10%	12	LFT		$ -	$ 75	0	$ 35	$ 35
2	3" Primary Sludge Pipe	33	10%	36	LFT		$ -	$ 75	2	$ 164	$ 164
3	4" Primary Sludge Pipe	490	10%	539	LFT		$ -	$ 75	38	$ 2,830	$ 2,830
PRIMARY SLUDGE PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	2" Primary Sludge Pipe	11	10%	12	LFT		$ -	$ 75	1	$ 44	$ 44
2	3" Primary Sludge Pipe	33	10%	36	LFT		$ -	$ 75	2	$ 136	$ 136
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
3	4" Primary Sludge Pipe	490	10%	539	LFT		$ -	$ 75	32	$ 2,426	$ 2,426
PRIMARY SLUDGE PIPE FITTING											
ELBOW											
1	4" Primary Sludge Pipe 45 Deg Elbow	8	0%	8	EA		$ -	$ 75	6	$ 444	$ 444
2	3" Primary Sludge Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	2	$ 180	$ 180
TEE											
1	4" Dia Primary Sludge Pipe Tee	5	0%	5	EA		$ -	$ 75	6	$ 416	$ 416
2	4" / 2" Primary Sludge Pipe Tee	2	0%	2	EA		$ -	$ 75	2	$ 167	$ 167
POLYMER SOLUTION PIPE											

Veracity Estimating

PVC Pipe												
1	2" Dia Polymer Solution Pipe	60	10%	66	LFT		$ -	$ 75	3	$ 199	$ 199
POLYMER SOLUTION PIPE INSULATION												
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	2" Dia Polymer Solution Pipe	60	10%	66	LFT		$ -	$ 75	3	$ 248	$ 248
POLYMER SOLUTION PIPE FITTING												
ELBOW												
1	2" Dia Polymer Solution Pipe 90 Deg Elbow	8	0%	8	EA		$ -	$ 75	3	$ 228	$ 228
PRIMARY EFFLUENT OVERFLOW PIPE												
DIP												
1	8" Dia Primary Effluent Overflow Vent	45	10%	49	LFT		$ -	$ 75	10	$ 741	$ 741
2	30" Dia Primary Effluent Overflow Vent	62	10%	68	LFT		$ -	$ 75	35	$ 2,650	$ 2,650
PRIMARY EFFLUENT OVERFLOW PIPE INSULATION												
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	8" Dia Primary Effluent Overflow Vent	45	10%	49	LFT		$ -	$ 75	3	$ 259	$ 259
2	30" Dia Primary Effluent Overflow Vent	62	10%	68	LFT		$ -	$ 75	34	$ 2,548	$ 2,548
PRIMARY EFFLUENT OVERFLOW PIPE FITTING												
ELBOW												
1	8" Dia Primary Effluent Overflow Vent 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	8	$ 594	$ 594
2	30" Dia Primary Effluent Overflow Vent 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	5	$ 386	$ 386
TEE												
1	30" / 8" Dia Primary Effluent Overflow Vent Tee	1	0%	1	EA		$ -	$ 75	6	$ 477	$ 477
W3 PLANT EFFLUENT WATER PIPE												
PVC												
1	3/4" Dia W3 Plant Effluent Water Pipe	139	10%	152	LFT		$ -	$ 75	3	$ 229	$ 229
2	1" W3 Plant Effluent Water Pipe	61	10%	67	LFT		$ -	$ 75	2	$ 151	$ 151

Veracity Estimating

3	1-1/2" W3 Plant Effluent Water Pipe	10	10%	11	LFT		$ -	$ 75	0	$ 25	$ 25
4	2" W3 Plant Effluent Water Pipe	89	10%	98	LFT		$ -	$ 75	4	$ 293	$ 293
5	2-1/2" W3 Plant Effluent Water Pipe	399	10%	439	LFT		$ -	$ 75	26	$ 1,974	$ 1,974
6	3" W3 Plant Effluent Water Pipe	217	10%	239	LFT		$ -	$ 75	14	$ 1,076	$ 1,076
7	4" W3 Plant Effluent Water Pipe	54	10%	60	LFT		$ -	$ 75	4	$ 314	$ 314
8	6" Dia W3 Plant Effluent Water Pipe	119	10%	131	LFT		$ -	$ 75	16	$ 1,179	$ 1,179
W3 PLANT EFFLUENT WATER PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	3/4" Dia W3 Plant Effluent Water Pipe	139	10%	152	LFT		$ -	$ 75	3	$ 229	$ 229
2	1" W3 Plant Effluent Water Pipe	61	10%	67	LFT		$ -	$ 75	3	$ 202	$ 202
3	1-1/2" W3 Plant Effluent Water Pipe	10	10%	11	LFT		$ -	$ 75	0	$ 33	$ 33
4	2" W3 Plant Effluent Water Pipe	89	10%	98	LFT		$ -	$ 75	5	$ 366	$ 366
5	2-1/2" W3 Plant Effluent Water Pipe	399	10%	439	LFT		$ -	$ 75	22	$ 1,645	$ 1,645
6	3" W3 Plant Effluent Water Pipe	217	10%	239	LFT		$ -	$ 75	12	$ 897	$ 897
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
7	4" W3 Plant Effluent Water Pipe	54	10%	60	LFT		$ -	$ 75	4	$ 269	$ 269
8	6" Dia W3 Plant Effluent Water Pipe	119	10%	131	LFT		$ -	$ 75	8	$ 590	$ 590
W3 PLANT EFFLUENT WATE PIPE FITTING											
ELBOW											
1	3/4" Dia W3 Plant Effluent Water Pipe 90 Deg Elbow	8	0%	8	EA		$ -	$ 75	2	$ 144	$ 144
2	1" W3 Plant Effluent Water Pipe 90 Deg Elbow	11	0%	11	EA		$ -	$ 75	3	$ 231	$ 231
3	1-1/2" W3 Plant Effluent Water Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 51	$ 51
4	2" W3 Plant Effluent Water Pipe 90 Deg Elbow	9	0%	9	EA		$ -	$ 75	3	$ 257	$ 257
5	2-1/2" W3 Plant Effluent Water Pipe 45 Deg Elbow	10	0%	10	EA		$ -	$ 75	5	$ 390	$ 390
6	2-1/2" W3 Plant Effluent Water Pipe 90 Deg Elbow	25	0%	25	EA		$ -	$ 75	13	$ 975	$ 975
7	3" Dia W3 Plant Effluent Water Pipe 90 Deg Elbow	8	0%	8	EA		$ -	$ 75	5	$ 360	$ 360
8	4" W3 Plant Effluent Water Pipe 90 Deg Elbow	3	0%	3	EA		$ -	$ 75	2	$ 167	$ 167
9	6" Dia W3 Plant Effluent Water Pipe 90 Deg Elbow	8	0%	8	EA		$ -	$ 75	10	$ 732	$ 732
TEE											
1	2" W3 Plant Effluent Water Pipe Tee	2	0%	2	EA		$ -	$ 75	1	$ 86	$ 86

Veracity Estimating

2	2-1/2" W3 Plant Effluent Water Pipe Tee	10	0%	10	EA		$ -	$ 75	8	$ 585	$ 585
3	3" Dia W3 Plant Effluent Water Pipe Tee	10	0%	10	EA		$ -	$ 75	9	$ 675	$ 675
4	4" W3 Plant Effluent Water Pipe Tee	1	0%	1	EA		$ -	$ 75	1	$ 83	$ 83
5	6" Dia W3 Plant Effluent Water Pipe Tee	2	0%	2	EA		$ -	$ 75	4	$ 275	$ 275
6	6" / 2" Dia W3 Plant Effluent Water Pipe Tee	1	0%	1	EA		$ -	$ 75	2	$ 137	$ 137
REDUCER											
1	3" / 3/4" Dia W3 Plant Effluent Water Pipe Reducer	4	0%	4	EA		$ -	$ 75	2	$ 180	$ 180
DEWATERING CENTRATE PIPE											
DIP											
1	4" Dewatering Centrate Pipe	11	10%	12	LFT		$ -	$ 75	1	$ 61	$ 61
2	6" Dewatering Centrate Pipe	132	10%	145	LFT		$ -	$ 75	17	$ 1,306	$ 1,306
3	8" Dewatering Centrate Pipe	19	10%	21	LFT		$ -	$ 75	4	$ 318	$ 318
DEWATERING CENTRATE PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	4" Dewatering Centrate Pipe	11	10%	12	LFT		$ -	$ 75	1	$ 52	$ 52
2	6" Dewatering Centrate Pipe	132	10%	145	LFT		$ -	$ 75	9	$ 653	$ 653
3	8" Dewatering Centrate Pipe	19	10%	21	LFT		$ -	$ 75	1	$ 111	$ 111
DEWATERING CENTRATE PIPE FITTING											
ELBOW											
1	6" Dewatering Centrate Pipe 45 Deg Elbow	6	0%	6	EA		$ -	$ 75	7	$ 549	$ 549
2	6" Dewatering Centrate Pipe 90 Deg Elbow	8	0%	8	EA		$ -	$ 75	10	$ 732	$ 732
3	8" Dewatering Centrate Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	8	$ 594	$ 594
TEE											
1	6" Dewatering Centrate Pipe Tee	2	0%	2	EA		$ -	$ 75	4	$ 275	$ 275
2	6" x 4" Dewatering Centrate Pipe Tee	1	0%	1	EA		$ -	$ 75	2	$ 137	$ 137
REDUCER											
1	6" x 4" Dewatering Centrate Pipe Reducer	1	0%	1	EA		$ -	$ 75	1	$ 92	$ 92

Veracity Estimating

AIR LOW PRESSURE PROCESS PIPE											
Stainless Steel											
1	1/2" Air Low Pressure Process Pipe	7	10%	8	LFT		$ -	$ 75	1	$ 72	$ 72
2	3" Dia Air Low Pressure Process Pipe	124	10%	136	LFT		$ -	$ 75	64	$ 4,799	$ 4,799
3	6" Air Low Pressure Process Pipe	86	10%	94	LFT		$ -	$ 75	75	$ 5,649	$ 5,649
4	8" Air Low Pressure Process Pipe	103	10%	113	LFT		$ -	$ 75	140	$ 10,508	$ 10,508
5	10" Air Low Pressure Process Pipe	110	10%	121	LFT		$ -	$ 75	190	$ 14,248	$ 14,248
6	12" Air Low Pressure Process Pipe	202	10%	222	LFT		$ -	$ 75	439	$ 32,917	$ 32,917
7	20" Air Low Pressure Process Pipe	46	10%	51	LFT		$ -	$ 75	147	$ 11,051	$ 11,051
8	36" Air Low Pressure Process Pipe	40	10%	44	LFT		$ -	$ 75	229	$ 17,144	$ 17,144
AIR LOW PRESSURE PROCESS PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	1/2" Air Low Pressure Process Pipe	7	10%	8	LFT		$ -	$ 75	0	$ 24	$ 24
2	3" Dia Air Low Pressure Process Pipe	124	10%	136	LFT		$ -	$ 75	7	$ 511	$ 511
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
3	6" Air Low Pressure Process Pipe	86	10%	94	LFT		$ -	$ 75	6	$ 424	$ 424
4	8" Air Low Pressure Process Pipe	103	10%	113	LFT		$ -	$ 75	8	$ 593	$ 593
5	10" Air Low Pressure Process Pipe	110	10%	121	LFT		$ -	$ 75	10	$ 726	$ 726
6	12" Air Low Pressure Process Pipe	202	10%	222	LFT		$ -	$ 75	22	$ 1,662	$ 1,662
7	20" Air Low Pressure Process Pipe	46	10%	51	LFT		$ -	$ 75	15	$ 1,139	$ 1,139
8	36" Air Low Pressure Process Pipe	40	10%	44	LFT		$ -	$ 75	26	$ 1,971	$ 1,971
AIR LOW PRESSURE PROCESS PIPE FITTING											
ELBOW											
1	3" Dia Air Low Pressure Process Pipe 90 Deg Elbow	60	0%	60	EA		$ -	$ 75	36	$ 2,700	$ 2,700
2	20" Air Low Pressure Process Pipe 45 Deg Elbow	2	0%	2	EA		$ -	$ 75	7	$ 546	$ 546
3	20" Air Low Pressure Process Pipe 90 Deg Elbow	6	0%	6	EA		$ -	$ 75	22	$ 1,638	$ 1,638
TEE											
1	36"x10" Air Low Pressure Process Pipe Reducimg Tee	1	0%	1	EA		$ -	$ 75	7	$ 545	$ 545
2	36"x20" Air Low Pressure Process Pipe Reducimg Tee	4	0%	4	EA		$ -	$ 75	29	$ 2,178	$ 2,178

Veracity Estimating

WASTE ACTIVATED SLUDGE PIPE											
DIP											
1	3" Waste Activated Sludge Pipe	12	10%	14	LFT		$ -	$ 75	1	$ 61	$ 61
2	6" Waste Activated Sludge Pipe	412	10%	454	LFT		$ -	$ 75	54	$ 4,082	$ 4,082
WASTE ACTIVATED SLUDGE PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	3" Waste Activated Sludge Pipe	12	10%	14	LFT		$ -	$ 75	1	$ 51	$ 51
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
2	6" Waste Activated Sludge Pipe	412	10%	454	LFT		$ -	$ 75	27	$ 2,041	$ 2,041
WASTE ACTIVATED SLUDGE PIPE FITTING											
ELBOW											
1	6" Waste Activated Sludge Pipe 90 Deg Elbow	21	0%	21	EA		$ -	$ 75	26	$ 1,922	$ 1,922
TEE											
1	6" Waste Activated Sludge Pipe Tee	1	0%	1	EA		$ -	$ 75	2	$ 137	$ 137
THICKENED WASTE ACTIVATED SLUDGE PIPE											
DIP											
1	4" Thickened Waste Activated Sludge Pipe	97	10%	106	LFT		$ -	$ 75	7	$ 557	$ 557
THICKENED WASTE ACTIVATED SLUDGE PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	4" Thickened Waste Activated Sludge Pipe	97	10%	106	LFT		$ -	$ 75	6	$ 478	$ 478
THICKENED WASTE ACTIVATED SLUDGE PIPE FITTING											
ELBOW											
1	4" Thickened Waste Activated Sludge Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	3	$ 222	$ 222
TEE											
1	4" Thickened Waste Activated Sludge Pipe Tee	2	0%	2	EA		$ -	$ 75	2	$ 167	$ 167

Veracity Estimating

ODOROUS AIR PIPE											
HDPE											
1	3" Dia Odorous Air Pipe	5	10%	6	LFT		$ -	$ 75	0	$ 30	$ 30
2	4" Odorous Air Pipe	50	10%	55	LFT		$ -	$ 75	4	$ 288	$ 288
3	6" Odorous Air Pipe	58	10%	64	LFT		$ -	$ 75	8	$ 572	$ 572
4	8" Dia Odorous Air Pipe	10	10%	11	LFT		$ -	$ 75	2	$ 165	$ 165
5	10" Dia Odorous Air Pipe	11	10%	13	LFT		$ -	$ 75	3	$ 208	$ 208
6	12" Dia Outside Air Vent	96	10%	106	LFT		$ -	$ 75	25	$ 1,902	$ 1,902
7	14" Dia Odorous Air Pipe	48	10%	53	LFT		$ -	$ 75	15	$ 1,103	$ 1,103
8	18" Dia Odorous Air Pipe	19	10%	21	LFT		$ -	$ 75	7	$ 537	$ 537
9	24" Dia Odorous Air Pipe	49	10%	54	LFT		$ -	$ 75	23	$ 1,737	$ 1,737
10	36" Dia Odorous Air Pipe	10	10%	11	LFT		$ -	$ 75	7	$ 513	$ 513
11	48" Odorous Air Pipe	19	10%	21	LFT		$ -	$ 75	16	$ 1,234	$ 1,234
12	60" Odorous Air Pipe	171	10%	188	LFT		$ -	$ 75	182	$ 13,667	$ 13,667
ODOROUS AIR PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	3" Dia Odorous Air Pipe	5	10%	6	LFT		$ -	$ 75	0	$ 17	$ 17
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
2	4" Odorous Air Pipe	50	10%	55	LFT		$ -	$ 75	3	$ 247	$ 247
3	6" Odorous Air Pipe	58	10%	64	LFT		$ -	$ 75	4	$ 286	$ 286
4	8" Dia Odorous Air Pipe	10	10%	11	LFT		$ -	$ 75	1	$ 58	$ 58
5	10" Dia Odorous Air Pipe	11	10%	13	LFT		$ -	$ 75	1	$ 76	$ 76
6	12" Dia Outside Air Vent	96	10%	106	LFT		$ -	$ 75	11	$ 792	$ 792
7	14" Dia Odorous Air Pipe	48	10%	53	LFT		$ -	$ 75	6	$ 473	$ 473
8	18" Dia Odorous Air Pipe	19	10%	21	LFT		$ -	$ 75	4	$ 316	$ 316
9	24" Dia Odorous Air Pipe	49	10%	54	LFT		$ -	$ 75	22	$ 1,616	$ 1,616
10	36" Dia Odorous Air Pipe	10	10%	11	LFT		$ -	$ 75	7	$ 504	$ 504
11	48" Odorous Air Pipe	19	10%	21	LFT		$ -	$ 75	17	$ 1,249	$ 1,249
12	60" Odorous Air Pipe	171	10%	188	LFT		$ -	$ 75	207	$ 15,499	$ 15,499
ODOROUS AIR PIPE FITTING											

Veracity Estimating

ELBOW											
1	4" Dia Odorous Air Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 111	$ 111
2	6" Odorous Air Pipe 90 Deg Elbow	7	0%	7	EA		$ -	$ 75	9	$ 641	$ 641
3	12" Dia Outside Air Vent 90 Deg Elbow	10	0%	10	EA		$ -	$ 75	24	$ 1,830	$ 1,830
4	18" Dia Odorous Air Pipe 90 Deg Elbow	6	0%	6	EA		$ -	$ 75	20	$ 1,503	$ 1,503
5	60" Odorous Air 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	39	$ 2,892	$ 2,892
TEE											
1	6" / 3" Dia Odorous Air Pipe Tee	1	0%	1	EA		$ -	$ 75	2	$ 137	$ 137
2	24" / 4" Dia Odorous Air Pipe Tee	1	0%	1	EA		$ -	$ 75	5	$ 410	$ 410
3	60" Dia Odorous Air Pipe Tee	1	0%	1	EA		$ -	$ 75	11	$ 815	$ 815
4	60" / 48" Odorous Air Tee	1	0%	1	EA		$ -	$ 75	11	$ 815	$ 815
REDUCER											
1	6" / 4" Odorous Air Pipe Reducer	3	0%	3	EA		$ -	$ 75	4	$ 275	$ 275
COOLING WATER PIPE											
PVC											
1	1-1/2" Dia Cooling Pipe	49	10%	53	LFT		$ -	$ 75	2	$ 120	$ 120
COOLING WATER PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	1-1/2" Dia Cooling Pipe	49	10%	53	LFT		$ -	$ 75	2	$ 160	$ 160
COOLING WATER PIPE FITTING											
ELBOW											
1	1-1/2" Dia Cooling Pipe 90 Deg Elbow	11	0%	11	EA		$ -	$ 75	4	$ 281	$ 281
2	1-1/2" Dia Cooling Water Pipe 45 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 51	$ 51
HYDRAULIC PIPE											
PVC											
1	1" W2 Hydraulic Pipe	774	10%	852	LFT		$ -	$ 75	26	$ 1,916	$ 1,916
HYDRAULIC PIPE INSULATION											

Veracity Estimating

1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	1" W2 Hydraulic Pipe	774	10%	852	LFT		$ -	$ 75	34	$ 2,555	$ 2,555
HYDRAULIC PIPE FITTING											
ELBOW											
1	1" W2 Hydraulic Pipe 45 Deg Elbow	22	0%	22	EA		$ -	$ 75	6	$ 462	$ 462
2	1" W2 Hydraulic Pipe 90 Deg Elbow	46	0%	46	EA		$ -	$ 75	13	$ 966	$ 966
TEE											
1	1" W2 Hydraulic Pipe Tee	10	0%	10	EA		$ -	$ 75	4	$ 315	$ 315
FCA PIPE											
PVC											
1	4" FCA Pipe	25	10%	28	LFT		$ -	$ 75	2	$ 145	$ 145
FCA PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	4" FCA Pipe	25	10%	28	LFT		$ -	$ 75	2	$ 124	$ 124
FCA PIPE FITTING											
ELBOW											
1	4" FCA Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 111	$ 111
TEE											
1	4" FCA Pipe Tee	4	0%	4	EA		$ -	$ 75	4	$ 333	$ 333
EMERGENCY EVERFLOW PIPE											
DIP											
1	6" Emergency Overflow Pipe	72	10%	79	LFT		$ -	$ 75	9	$ 712	$ 712
EMERGENCY EVERFLOW PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											

Veracity Estimating

1	6" Emergency Overflow Pipe	72	10%	79	LFT		$ -	$ 75	5	$ 356	$ 356
EMERGENCY EVERFLOW PIPE FITTING												
ELBOW												
1	6" Emergency Overflow Pipe 45 Deg Elbow	2	0%	2	EA		$ -	$ 75	2	$ 183	$ 183
2	6" Emergency Overflow Pipe 90 Deg Elbow	9	0%	9	EA		$ -	$ 75	11	$ 824	$ 824
TEE												
1	6" Emergency Overflow Tee	1	0%	1	EA		$ -	$ 75	2	$ 137	$ 137
RECIRCULATION PIPE												
PVC												
1	4" Recirculation Pipe	34	10%	37	LFT		$ -	$ 75	3	$ 196	$ 196
2	6" Recirculation Pipe	39	10%	43	LFT		$ -	$ 75	5	$ 390	$ 390
RECIRCULATION PIPE INSULATION												
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	4" Recirculation Pipe	34	10%	37	LFT		$ -	$ 75	2	$ 168	$ 168
2	6" Recirculation Pipe	39	10%	43	LFT		$ -	$ 75	3	$ 195	$ 195
RECIRCULATION PIPE FITTING												
ELBOW												
1	4" Dia Recirculatio Pipe 90 Deg Elbow	6	0%	6	EA		$ -	$ 75	4	$ 333	$ 333
2	4" Dia Recirculation 45 Deg Elbow	5	0%	5	EA		$ -	$ 75	4	$ 278	$ 278
3	6" Dia Recirculatio Pipe 90 Deg Elbow	6	0%	6	EA		$ -	$ 75	7	$ 549	$ 549
4	6" Dia Recirculation 11.5 Deg Elbow	1	0%	1	EA		$ -	$ 75	1	$ 92	$ 92
5	6" Dia Recirculation 45 Deg Elbow	1	0%	1	EA		$ -	$ 75	1	$ 92	$ 92
PLANT DRAIN PIPE												
PVC												
1	3" Dia Plant Drain Pipe	50	10%	55	LFT		$ -	$ 75	3	$ 248	$ 248
2	4" Dia Plant Drain Pipe	181	10%	199	LFT		$ -	$ 75	14	$ 1,046	$ 1,046
3	6" Plant Drain Pipe	42	10%	46	LFT		$ -	$ 75	6	$ 415	$ 415
4	8" Dia Plant Drain Pipe	8	10%	8	LFT		$ -	$ 75	2	$ 127	$ 127

Veracity Estimating

5	10" Plant Drain Pipe	54	10%	60	LFT		$ -	$ 75	13	$ 987	$ 987
6	14" Dia Plant Drain Pipe	20	10%	22	LFT		$ -	$ 75	6	$ 461	$ 461
7	16" Dia Pump Intake Pipe	10	10%	11	LFT		$ -	$ 75	3	$ 245	$ 245
8	20" Dia Plant Drain Pipe	28	10%	31	LFT		$ -	$ 75	12	$ 866	$ 866
9	30" Dia Plant Drain Pipe	43	10%	47	LFT		$ -	$ 75	25	$ 1,840	$ 1,840
10	36" Dia Plant Drain Pipe	40	10%	44	LFT		$ -	$ 75	27	$ 2,006	$ 2,006
PLANT DRAIN PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	3" Dia Plant Drain Pipe	50	10%	55	LFT		$ -	$ 75	3	$ 206	$ 206
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
2	4" Dia Plant Drain Pipe	181	10%	199	LFT		$ -	$ 75	12	$ 897	$ 897
3	6" Plant Drain Pipe	42	10%	46	LFT		$ -	$ 75	3	$ 208	$ 208
4	8" Dia Plant Drain Pipe	8	10%	8	LFT		$ -	$ 75	1	$ 45	$ 45
5	10" Plant Drain Pipe	54	10%	60	LFT		$ -	$ 75	5	$ 359	$ 359
6	14" Dia Plant Drain Pipe	20	10%	22	LFT		$ -	$ 75	3	$ 198	$ 198
7	16" Dia Pump Intake Pipe	10	10%	11	LFT		$ -	$ 75	2	$ 118	$ 118
8	20" Dia Plant Drain Pipe	28	10%	31	LFT		$ -	$ 75	8	$ 585	$ 585
9	30" Dia Plant Drain Pipe	43	10%	47	LFT		$ -	$ 75	24	$ 1,769	$ 1,769
10	36" Dia Plant Drain Pipe	40	10%	44	LFT		$ -	$ 75	26	$ 1,973	$ 1,973
PLANT DRAIN PIPE FITTING											
ELBOW											
1	3" Dia Plant Drain Pipe 90 Deg Elbow	3	0%	3	EA		$ -	$ 75	3	$ 203	$ 203
2	4" Dia Plant Drain Pipe 45 Deg Elbow	6	0%	6	EA		$ -	$ 75	7	$ 500	$ 500
3	4" Dia Plant Drain Pipe 90 Deg Elbow	17	0%	17	EA		$ -	$ 75	19	$ 1,415	$ 1,415
4	6" Dia Plant Drain Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	2	$ 137	$ 137
5	6" Plant Drain Pipe 45 Deg Elbow	4	0%	4	EA		$ -	$ 75	7	$ 549	$ 549
6	10" Plant Drain Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	3	$ 243	$ 243
7	14" Dia Plant Drain 90 Deg Elbow	3	0%	3	EA		$ -	$ 75	12	$ 891	$ 891
8	16" Dia Plant Drain 90 Deg Elbow	3	0%	3	EA		$ -	$ 75	13	$ 959	$ 959
9	30" Dia Plant Drain Pipe 90 Deg Elbow	3	0%	3	EA		$ -	$ 75	14	$ 1,026	$ 1,026

Veracity Estimating

WYE											
1	4" Dia Plant Drain Pipe Wye	4	0%	4	EA		$ -	$ 75	4	$ 333	$ 333
TEE											
1	10" Plant Drain Pipe Tee	1	0%	1	EA		$ -	$ 75	3	$ 243	$ 243
2	10"x6" Plant Drain Pipe Tee	2	0%	2	EA		$ -	$ 75	6	$ 486	$ 486
3	36"x30" Dia Plant Drain Base Pipe Tee	3	0%	3	EA		$ -	$ 75	22	$ 1,634	$ 1,634
REDUCER											
1	6" / 3" Dia Plant Drain Pipe Reducer	1	0%	1	EA		$ -	$ 75	1	$ 92	$ 92
2	8" / 6" Dia Plant Drain Pipe Reducer	1	0%	1	EA		$ -	$ 75	2	$ 149	$ 149
3	20"x14" Plant Drain Reducer	3	0%	3	EA		$ -	$ 75	8	$ 585	$ 585
SUMP PUMP DRAIN PIPE											
PVC											
1	2" Dia Sump Pump Drain Pipe	42	10%	46	LFT		$ -	$ 75	2	$ 139	$ 139
2	3" Dia Sump Pump Drain Pipe	21	10%	23	LFT		$ -	$ 75	1	$ 104	$ 104
SUMP PUMP DRAIN PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	2" Dia Sump Pump Drain Pipe	42	10%	46	LFT		$ -	$ 75	2	$ 174	$ 174
2	3" Dia Sump Pump Drain Pipe	21	10%	23	LFT		$ -	$ 75	1	$ 87	$ 87
SUMP PUMP DRAIN PIPE FITTING											
ELBOW											
1	2" Dia Sump Pump Drain Pipe 90 Deg Elbow	3	0%	3	EA		$ -	$ 75	1	$ 86	$ 86
2	3" Dia Sump Pump Drain Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	1	$ 45	$ 45
TEE											
1	2" Dia Sump Pump Drain Pipe Tee	1	0%	1	EA		$ -	$ 75	1	$ 43	$ 43
2	3" Dia Sump Pump Drain Pipe Tee	1	0%	1	EA		$ -	$ 75	1	$ 68	$ 68
REDUCER											
1	3" / 2" Sump Pump Drain Pipe Reducer	2	0%	2	EA		$ -	$ 75	1	$ 90	$ 90

Veracity Estimating

PRIMARY SLUDGE PIPE												
DIP (Glass Lined)												
1	2" Dia Primary Sludge Pipe	4	10%	4	LFT		$ -	$ 75	0	$ 13	$ 13
2	4" Dia Primary Sludge Pipe	59	10%	65	LFT		$ -	$ 75	5	$ 343	$ 343
3	6" Dia Primary Sludge Pipe	51	10%	57	LFT		$ -	$ 75	7	$ 509	$ 509
PRIMARY SLUDGE PIPE INSULATION												
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	2" Dia Primary Sludge Pipe	4	10%	4	LFT		$ -	$ 75	0	$ 16	$ 16
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
2	4" Dia Primary Sludge Pipe	59	10%	65	LFT		$ -	$ 75	4	$ 294	$ 294
3	6" Dia Primary Sludge Pipe	51	10%	57	LFT		$ -	$ 75	3	$ 254	$ 254
PRIMARY SLUDGE PIPE FITTING												
ELBOW												
1	4" Dia Primary Sludge Pipe 90 Deg Elbow	6	0%	6	EA		$ -	$ 75	4	$ 333	$ 333
2	6" Dia Primary Sludge Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	1	$ 92	$ 92
TEE												
1	6" Dia Primary Sludge Pipe Tee	4	0%	4	EA		$ -	$ 75	7	$ 549	$ 549
REDUCER												
1	6" / 4" Dia Primary Sludge Pipe Elbow Reducer	1	0%	1	EA		$ -	$ 75	1	$ 92	$ 92
POLYMER SOLUTION PIPE												
PVC												
1	1" Polymer Solution Pipe	4	10%	4	LFT		$ -	$ 75	0	$ 10	$ 10
2	1-1/2" Polymer Solution Pipe	393	10%	432	LFT		$ -	$ 75	13	$ 973	$ 973
3	2-1/2" Polymer Solution Pipe	22	10%	24	LFT		$ -	$ 75	1	$ 110	$ 110
POLYMER SOLUTION PIPE INSULATION												

Veracity Estimating

1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	1" Polymer Solution Pipe	4	10%	4	LFT		$ -	$ 75	0.2	$ 13	$ 13
2	1-1/2" Polymer Solution Pipe	393	10%	432	LFT		$ -	$ 75	17	$ 1,297	$ 1,297
3	2-1/2" Polymer Solution Pipe	22	10%	24	LFT		$ -	$ 75	1	$ 92	$ 92
PRIMARY SLUDGE PIPE FITTING											
ELBOW											
1	1-1/2" Polymer Solution Pipe 45 Deg Elbow	8	0%	8	EA		$ -	$ 75	3	$ 204	$ 204
2	1-1/2" Polymer Solution Pipe 90 Deg Elbow	36	0%	36	EA		$ -	$ 75	12	$ 918	$ 918
3	2-1/2" Polymer Solution Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	2	$ 156	$ 156
TEE											
1	1-1/2" Polymer Solution Pipe Tee	6	0%	6	EA		$ -	$ 75	3	$ 230	$ 230
2	2-1/2" Polymer Solution Pipe Tee	1	0%	1	EA		$ -	$ 75	1	$ 59	$ 59
REDUCER											
1	1-1/2" / 1" Polymer Solution Pipe Reducer	1	0%	1	EA		$ -	$ 75	0	$ 26	$ 26
2	2-1/2" / 1-1/2" Polymer Solution Pipe Reducer	1	0%	1	EA		$ -	$ 75	1	$ 45	$ 45
ALUMINUM RICH RECYCLE PIPE											
DIP											
1	30" Aluminum Rich Recycle Pipe	20	10%	22	LFT		$ -	$ 75	12	$ 873	$ 873
ALUMINUM RICH RECYCLE PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	30" Aluminum Rich Recycle Pipe	20	10%	22	LFT		$ -	$ 75	11	$ 840	$ 840
ALUMINUM RICH RECYCLE PIPE FITTING											
ELBOW											
1	30" Aluminum Rich Recycle Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	10	$ 771	$ 771
NITRATE RICH RECYCLE PIPE											
DIP											

Veracity Estimating

1	36" Nitrate Rich Recycle Pipe	18	10%	19	LFT		$ -	$ 75	10	$ 754	$ 754
NITRATE RICH RECYCLE PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	36" Nitrate Rich Recycle Pipe	18	10%	19	LFT		$ -	$ 75	12	$ 870	$ 870
NITRATE RICH RECYCLE PIPE FITTING											
ELBOW											
1	36" Nitrate Rich Recycle Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	12	$ 906	$ 906
RECUPERATIVE THICKENING DIGESTED SLUDGE PIPE											
DIP											
1	4" Recuperative Thickening Digested Sludge Pipe	277	10%	305	LFT		$ -	$ 75	21	$ 1,600	$ 1,600
RECUPERATIVE THICKENING DIGESTED SLUDGE PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	4" Recuperative Thickening Digested Sludge Pipe	277	10%	305	LFT		$ -	$ 75	18	$ 1,371	$ 1,371
RECUPERATIVE THICKENING DIGESTED SLUDGE PIPE FITTING											
ELBOW											
1	4" Recuperative Thickening Digested Sludge Pipe 90 Deg Elbow	20	0%	20	EA		$ -	$ 75	15	$ 1,110	$ 1,110
TEE											
1	4" Dia Recuperative Thickening Digested Sludge Pipe Tee	3	0%	3	EA		$ -	$ 75	3	$ 250	$ 250
PE PIPE											
PVC											
1	4" Dia PE Pipe	33	10%	36	LFT		$ -	$ 75	3	$ 189	$ 189
PE PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	4" Dia PE Pipe	33	10%	36	LFT		$ -	$ 75	2	$ 162	$ 162

Veracity Estimating

PE PIPE FITTING											
ELBOW											
1	4" Dia PE Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	1	$ 56	$ 56
DIGESTED SLUDGE PIPE											
DIP											
1	4" Digested Sludge Pipe	284	10%	313	LFT		$ -	$ 75	22	$ 1,642	$ 1,642
DIGESTED SLUDGE PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	4" Digested Sludge Pipe	284	10%	313	LFT		$ -	$ 75	19	$ 1,408	$ 1,408
DIGESTED SLUDGE PIPE FITTING											
ELBOW											
1	4" Digested Sludge Pipe 90 Deg Elbow	21	0%	21	EA		$ -	$ 75	16	$ 1,166	$ 1,166
2	4" Digested Sludge Pipe 45 Deg Elbow	5	0%	5	EA		$ -	$ 75	4	$ 278	$ 278
TEE											
1	4" Digested Sludge Pipe Tee	8	0%	8	EA		$ -	$ 75	9	$ 666	$ 666
SODIUM HYPOCHLORITE PIPE											
PVC											
1	1/4" Dia Sodium Hypochlorite Pipe	5	10%	6	LFT		$ -	$ 75	0	$ 8	$ 8
2	3/4" Dia Sodium Hypochlorite Pipe	15	10%	17	LFT		$ -	$ 75	0	$ 25	$ 25
SODIUM HYPOCHLORITE PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	1/4" Dia Sodium Hypochlorite Pipe	5	10%	6	LFT		$ -	$ 75	0	$ 8	$ 8
2	3/4" Dia Sodium Hypochlorite Pipe	15	10%	17	LFT		$ -	$ 75	0	$ 25	$ 25
SODIUM HYPOCHLORITE PIPE FITTING											
ELBOW											

Veracity Estimating

1	3/4" Dia Sodium Hypochlorite Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	0	$ 36	$ 36
TEE											
1	3/4" Dia Sodium Hypochlorite Pipe Tee	2	0%	2	EA		$ -	$ 75	1	$ 54	$ 54
REDUCER											
1	3/4" / 1/4" Dia Sodium Hypochlorite Reducer	2	0%	2	EA		$ -	$ 75	0	$ 36	$ 36
PRIMARY INFLUENT PIPE											
DIP											
1	24" Dia Primary Influent Primary Influentpe	52	10%	57	LFT		$ -	$ 75	24	$ 1,828	$ 1,828
2	30" Dia Primary Influent Primary Influentpe	384	10%	423	LFT		$ -	$ 75	220	$ 16,487	$ 16,487
PRIMARY INFLUENT PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	24" Dia Primary Influent Primary Influentpe	52	10%	57	LFT		$ -	$ 75	23	$ 1,701	$ 1,701
2	30" Dia Primary Influent Primary Influentpe	384	10%	423	LFT		$ -	$ 75	211	$ 15,853	$ 15,853
PRIMARY INFLUENT PIPE FITTING											
ELBOW											
1	24" Dia Primary Influent Primary Influentpe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	17	$ 1,272	$ 1,272
2	30" Dia Primary Influent Primary Influentpe 45 Deg Elbow	2	0%	2	EA		$ -	$ 75	10	$ 771	$ 771
3	30" Dia Primary Influent Primary Influentpe 90 Deg Elbow	5	0%	5	EA		$ -	$ 75	26	$ 1,928	$ 1,928
4	30"x24" Reducing Elbow	2	0%	2	EA		$ -	$ 75	10	$ 771	$ 771
TEE											
1	30" Dia Primary Influent Primary Influentpe Tee	1	0%	1	EA		$ -	$ 75	6	$ 477	$ 477
2	30" x 20" Primary Influent Primary Influentpe Tee	2	0%	2	EA		$ -	$ 75	13	$ 954	$ 954
GRIT SLURRY PIPE											
CIP											
1	4" Dia Grit Slurry Pipe	384	10%	422	LFT		$ -	$ 75	30	$ 2,217	$ 2,217
GRIT SLURRY PIPE INSULATION											

Veracity Estimating

1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	4" Dia Grit Slurry Pipe	384	10%	422	LFT		$ -	$ 75	25	$ 1,900	$ 1,900
GRIT SLURRY PIPE FITTING											
ELBOW											
1	4" Dia Grit Slurry Pipe 45 Deg Elbow	8	0%	8	EA		$ -	$ 75	6	$ 444	$ 444
2	4" Dia Grit Slurry Pipe 90 Deg Elbow	19	0%	19	EA		$ -	$ 75	14	$ 1,055	$ 1,055
TEE											
1	4" Dia Grit Slurry Pipe Tee	9	0%	9	EA		$ -	$ 75	10	$ 749	$ 749
2	4" / 3" Dia Grit Slurry Pipe Tee	1	0%	1	EA		$ -	$ 75	1	$ 83	$ 83
REDUCER											
1	4" / 3" Dia Grit Slurry Pipe Reducer	3	0%	3	EA		$ -	$ 75	2	$ 167	$ 167
SODIUM HYDROXIDE/CAUSTIC PIPE											
PVC											
1	3/4" Dia NAOH Pipe	78	10%	86	LFT		$ -	$ 75	2	$ 129	$ 129
NAOH PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	3/4" Dia NAOH Pipe	78	10%	86	LFT		$ -	$ 75	2	$ 129	$ 129
NAOH PIPE FITTING											
ELBOW											
1	3/4" Dia NAOH Pipe 90 Deg Elbow	7	0%	7	EA		$ -	$ 75	2	$ 126	$ 126
TEE											
1	3/4" Dia NAOH Pipe Tee	5	0%	5	EA		$ -	$ 75	2	$ 135	$ 135
ALUMINUM SULFATE / FERRIC CHLORIDE PIPE											
PVC											
1	1-1/2" Dia Aluminum Sulfate / Ferric Chloride Pipe	95	10%	104	LFT		$ -	$ 75	3	$ 234	$ 234

Veracity Estimating

2	3" Dia Aluminum Sulfate / Ferric Chloride Pipe	115	10%	126	LFT		$ -	$ 75	8	$ 568	$ 568
ALUMINUM SULFATE / FERRIC CHLORIDE PIPE INSULATION												
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	1-1/2" Dia Aluminum Sulfate / Ferric Chloride Pipe	95	10%	104	LFT		$ -	$ 75	4	$ 312	$ 312
2	3" Dia Aluminum Sulfate / Ferric Chloride Pipe	115	10%	126	LFT		$ -	$ 75	6	$ 473	$ 473
ALUMINUM SULFATE / FERRIC CHLORIDE PIPE FITTING												
ELBOW												
1	1-1/2" Dia Aluminum Sulfate / Ferric Chloride Pipe 90 Deg Elbow	9	0%	9	EA		$ -	$ 75	3	$ 230	$ 230
2	3" Dia Aluminum Sulfate / Ferric Chloride Pipe 90 Deg Elbow	7	0%	7	EA		$ -	$ 75	4	$ 315	$ 315
TEE												
1	1-1/2" Dia Aluminum Sulfate / Ferric Chloride Pipe Tee	4	0%	4	EA		$ -	$ 75	2	$ 153	$ 153
2	3" Dia Aluminum Sulfate / Ferric Chloride Pipe Tee	1	0%	1	EA		$ -	$ 75	1	$ 68	$ 68
RAW SEWAGE PIPE												
DIP (Epoxy Lined)												
1	20" Dia Raw Sewage Pipe	29	10%	32	LFT		$ -	$ 75	12	$ 877	$ 877
2	30" Dia Raw Sewage Pipe	43	10%	47	LFT		$ -	$ 75	25	$ 1,843	$ 1,843
RAW SEWAGE PIPE INSULATIONN												
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	20" Dia Raw Sewage Pipe	29	10%	32	LFT		$ -	$ 75	8	$ 593	$ 593
2	30" Dia Raw Sewage Pipe	43	10%	47	LFT		$ -	$ 75	24	$ 1,772	$ 1,772
RAW SEWAGE PIPE FITTING												
ELBOW												
1	20" Dia Raw Sewage Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	4	$ 273	$ 273
2	30" Dia Raw Sewage Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	5	$ 386	$ 386
TEE												
1	30" / 20" Dia Raw Sewage Pipe Reducer	2	0%	2	EA		$ -	$ 75	13	$ 954	$ 954

Veracity Estimating

SEPTAGE PIPE											
DIP (Glass Lined)											
1	6" Dia Septage Pipe	155	10%	170	LFT		$ -	$ 75	20	$ 1,531	$ 1,531
SEPTAGE PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	6" Dia Septage Pipe	155	10%	170	LFT		$ -	$ 75	10	$ 765	$ 765
SEPTAGE PIPE FITTING											
ELBOW											
1	6" Dia Septage Pipe 90 Deg Elbow	12	0%	12	EA		$ -	$ 75	15	$ 1,098	$ 1,098
TEE											
1	6" Dia Septage Pipe Tee	1	0%	1	EA		$ -	$ 75	2	$ 137	$ 137
AIR PIPE											
PVC											
1	4" Dia AIR Pipe	32	10%	35	LFT		$ -	$ 75	4	$ 318	$ 318
AIR PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	4" Dia AIR Pipe	32	10%	35	LFT		$ -	$ 75	2	$ 159	$ 159
AIR PIPE FITTING											
ELBOW											
1	4" Dia AIR Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 111	$ 111
SCREENED PRIMARY EFFLUENT OVERFLOW PIPE											
DIP											
1	24" Dia Screened Primary Effluent Overflow Pipe	6	10%	6	LFT		$ -	$ 75	3	$ 192	$ 192
2	48" Dia Screened Primary Effluent Overflow Pipe	119	10%	131	LFT		$ -	$ 75	105	$ 7,874	$ 7,874

Veracity Estimating

SCREENED PRIMARY EFFLUENT OVERFLOW PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	24" Dia Screened Primary Effluent Overflow Pipe	6	10%	6	LFT		$ -	$ 75	2	$ 168	$ 168
2	48" Dia Screened Primary Effluent Overflow Pipe	119	10%	131	LFT		$ -	$ 75	105	$ 7,874	$ 7,874
SCREENED PRIMARY EFFLUENT OVERFLOW PIPE FITTING											
ELBOW											
1	48" Dia Screened Primary Effluent Overflow Pipe 45 Deg Elbow	4	0%	4	EA		$ -	$ 75	24	$ 1,812	$ 1,812
2	48" Dia Screened Primary Effluent Overflow Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	12	$ 906	$ 906
TEE											
1	30" Dia Screened Primary Effluent Overflow Pipe Tee	1	0%	1	EA		$ -	$ 75	6	$ 477	$ 477
2	48" / 24" Dia Screened Primary Effluent Overflow Pipe Tee	2	0%	2	EA		$ -	$ 75	18	$ 1,359	$ 1,359
3	48" Dia Screened Primary Effluent Overflow Pipe Tee	2	0%	2	EA		$ -	$ 75	18	$ 1,359	$ 1,359
REDUCER											
1	24" / 18" Dia Screened Primary Effluent Overflow Pipe Reducer	1	0%	1	EA		$ -	$ 75	3	$ 210	$ 210
2	24" / 8" Dia Screened Primary Effluent Overflow Pipe Reducer	1	0%	1	EA		$ -	$ 75	3	$ 210	$ 210
EQUALIZED INFLUENT PIPE											
DIP											
1	48" Dia Equalized Influent Pipe	168	10%	185	LFT		$ -	$ 75	148	$ 11,093	$ 11,093
EQUALIZED INFLUENT PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	48" Dia Equalized Influent Pipe	168	10%	185	LFT		$ -	$ 75	148	$ 11,093	$ 11,093
EQUALIZED INFLUENT PIPE FITTING											
ELBOW											
1	48" Dia Equalized Influent Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	6	$ 453	$ 453
EQUALIZED ENFLUENT PIPE											
DIP											

Veracity Estimating

1	8" Dia Equalized Enfluent Pipe	19	10%	20	LFT		$ -	$ 75	4	$ 306	$ 306
2	18" Dia Equalized Enfluent Pipe	19	10%	21	LFT		$ -	$ 75	4	$ 319	$ 319
3	24" Dia Equalized Enfluent Pipe	9	10%	9	LFT		$ -	$ 75	4	$ 282	$ 282
4	36" Dia Equalized Enfluent Pipe	47	10%	52	LFT		$ -	$ 75	31	$ 2,335	$ 2,335
EQUALIZED ENFLUENT PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	8" Dia Equalized Enfluent Pipe	19	10%	20	LFT		$ -	$ 75	1	$ 107	$ 107
2	18" Dia Equalized Enfluent Pipe	19	10%	21	LFT		$ -	$ 75	4	$ 319	$ 319
3	24" Dia Equalized Enfluent Pipe	9	10%	9	LFT		$ -	$ 75	3	$ 247	$ 247
4	36" Dia Equalized Enfluent Pipe	47	10%	52	LFT		$ -	$ 75	31	$ 2,335	$ 2,335
EQUALIZED ENFLUENT PIPE FITTING											
TEE											
1	36" / 24" Dia Equalized Enfluent Pipe Tee	2	0%	2	EA		$ -	$ 75	15	$ 1,089	$ 1,089
REDUCER											
1	24" / 18" Dia Equalized Enfluent Pipe Reducer	1	0%	1	EA		$ -	$ 75	3	$ 210	$ 210
2	24" / 8" Dia Equalized Enfluent Pipe Reducer	1	0%	1	EA		$ -	$ 75	3	$ 210	$ 210
SST PIPE											
Sch 40 PVC											
1	1" Dia SST Pipe	33	10%	36	LFT		$ -	$ 75	1	$ 82	$ 82
2	1-1/4" Dia SST Ppipe	22	10%	24	LFT		$ -	$ 75	1	$ 55	$ 55
SST PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	1" Dia SST Pipe	33	10%	36	LFT		$ -	$ 75	1	$ 109	$ 109
2	1-1/4" Dia SST Ppipe	22	10%	24	LFT		$ -	$ 75	1	$ 73	$ 73
OVERFLOW PIPE											
PVC											
1	4" Dia Overflow Pipe	177	10%	194	LFT		$ -	$ 75	14	$ 1,020	$ 1,020

Veracity Estimating

2	30" Dia Overflow Pipe	33	10%	36	LFT		$ -	$ 75	19	$ 1,418	$ 1,418
OVERFLOW PIPE INSULATION												
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	4" Dia Overflow Pipe	177	10%	194	LFT		$ -	$ 75	12	$ 875	$ 875
2	30" Dia Overflow Pipe	33	10%	36	LFT		$ -	$ 75	18	$ 1,363	$ 1,363
OVERFLOW PIPE FITTING												
ELBOW												
1	4" Dia Overflow Pipe 90 Deg Elbow	7	0%	7	EA		$ -	$ 75	5	$ 389	$ 389
2	30" Dia Overflow Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	4	$ 324	$ 324
TEE												
1	4" / 2" Dia Overflow Pipe Tee	2	0%	2	EA		$ -	$ 75	2	$ 167	$ 167
SCH 40 PVC PIPE (SERVICE NOT MENTIONED)												
1	6" Dia Sch 40 PVC Pipe	60	10%	66	LFT		$ -	$ 75	5	$ 347	$ 347
SCH 40 PVC PIPE (SERVICE NOT MENTIONED) INSULATION												
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	6" Dia Sch 40 PVC Pipe	60	10%	66	LFT		$ -	$ 75	4	$ 297	$ 297
CITRIC ACID2 PIPE												
PVC												
1	1/2" Dia Citric Acid2 Pipe	5	10%	5	LFT		$ -	$ 75	0	$ 8	$ 8
2	3/4" Dia Citric Acid2 Pipe	24	10%	26	LFT		$ -	$ 75	1	$ 40	$ 40
3	1" Dia Citric Acid2 Pipe	142	10%	156	LFT		$ -	$ 75	5	$ 350	$ 350
4	1-1/2" Dia Citric Acid2 Pipe	6	10%	7	LFT		$ -	$ 75	0	$ 15	$ 15
5	2" Dia Citric Acid2 Pipe	33	10%	36	LFT		$ -	$ 75	1	$ 108	$ 108
CITRIC ACID2 PIPE INSULATION												
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												

Veracity Estimating

1	1/2" Dia Citric Acid2 Pipe	5	10%	5	LFT		$ -	$ 75	0	$ 8	$ 8
2	3/4" Dia Citric Acid2 Pipe	24	10%	26	LFT		$ -	$ 75	1	$ 40	$ 40
3	1" Dia Citric Acid2 Pipe	142	10%	156	LFT		$ -	$ 75	6	$ 467	$ 467
4	1-1/2" Dia Citric Acid2 Pipe	6	10%	7	LFT		$ -	$ 75	0	$ 20	$ 20
5	2" Dia Citric Acid2 Pipe	33	10%	36	LFT		$ -	$ 75	2	$ 135	$ 135
CITRIC ACID2 PIPE FITTING											
ELBOW											
1	3/4" Dia Citric Acid2 Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	0	$ 36	$ 36
2	1" Dia Citric Acid2 Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	1	$ 84	$ 84
3	2" Dia Citric Acid2 Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	2	$ 114	$ 114
SODIUM HYPHOCHLORITE PIPE											
PVC											
1	1/2" Dia Sodium Hyphochlorite Pipe	50	10%	55	LFT		$ -	$ 75	1	$ 82	$ 82
2	3/4" Dia Sodium Hyphochlorite Pipe	25	10%	28	LFT		$ -	$ 75	1	$ 42	$ 42
3	1" Dia Sodium Hyphochlorite Pipe	21	10%	23	LFT		$ -	$ 75	1	$ 51	$ 51
4	1-1/2" Dia Sodium Hyphochlorite Pipe	9	10%	10	LFT		$ -	$ 75	0	$ 23	$ 23
5	3" Dia Sodium Hyphochlorite Pipe	74	10%	81	LFT		$ -	$ 75	5	$ 366	$ 366
SODIUM HYPHOCHLORITE PIPE INSULATIONN											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	1/2" Dia Sodium Hyphochlorite Pipe	50	10%	55	LFT		$ -	$ 75	1	$ 82	$ 82
2	3/4" Dia Sodium Hyphochlorite Pipe	25	10%	28	LFT		$ -	$ 75	1	$ 42	$ 42
3	1" Dia Sodium Hyphochlorite Pipe	21	10%	23	LFT		$ -	$ 75	1	$ 68	$ 68
4	1-1/2" Dia Sodium Hyphochlorite Pipe	9	10%	10	LFT		$ -	$ 75	0	$ 30	$ 30
5	3" Sia Sodium Hyphochlorite Pipe	74	10%	81	LFT		$ -	$ 75	4	$ 305	$ 305
SODIUM HYPHOCHLORITE PIPE FITTING											
ELBOW											
1	1/2" Dia Sodium Hyphochlorite Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	1	$ 60	$ 60
2	3/4" Dia Sodium Hyphochlorite Pipe 90 Deg Elbow	5	0%	5	EA		$ -	$ 75	1	$ 90	$ 90
3	1" Dia Sodium Hyphochlorite Pipe 90 Deg Elbow	5	0%	5	EA		$ -	$ 75	1	$ 105	$ 105
4	1-1/2" Dia Sodium Hyphochlorite Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 51	$ 51

Veracity Estimating

5	3" Sia Sodium Hyphochlorite Pipe 90 Deg Elbow	7	0%	7	EA		$ -	$ 75	4	$ 315	$ 315
TEE											
1	1/2" Dia Sodium Hyphochlorite Pipe Tee	2	0%	2	EA		$ -	$ 75	1	$ 45	$ 45
2	3/4" Dia Sodium Hyphochlorite Pipe Tee	2	0%	2	EA		$ -	$ 75	1	$ 54	$ 54
3	1" Dia Sodium Hyphochlorite Pipe Tee	2	0%	2	EA		$ -	$ 75	1	$ 63	$ 63
4	3" Sia Sodium Hyphochlorite Pipe Tee	1	0%	1	EA		$ -	$ 75	1	$ 68	$ 68
SCRUBER RECIRCULATION											
CPVC											
1	6" Dia Scruber Recirculation Pipe	54	10%	60	LFT		$ -	$ 75	7	$ 539	$ 539
2	8" Dia Scruber Recirculation Pipe	11	10%	12	LFT		$ -	$ 75	2	$ 178	$ 178
SCRUBER RECIRCULATION INSULATIONN											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	6" Dia Scruber Recirculation Pipe	54	10%	60	LFT		$ -	$ 75	4	$ 269	$ 269
2	8" Dia Scruber Recirculation Pipe	11	10%	12	LFT		$ -	$ 75	1	$ 62	$ 62
SCRUBER RECIRCULATION PIPE FITTING											
ELBOW											
1	6" Dia Scruber Recirculation Pipe 90 Deg Elbow	4	0%	4	EA		$ -	$ 75	5	$ 366	$ 366
2	8" Dia Scruber Recirculation Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	4	$ 297	$ 297
TEE											
1	6" Dia Scruber Recirculation Pipe Tee	1	0%	1	EA		$ -	$ 75	2	$ 137	$ 137
PA PIPE											
PVC											
1	1/4" Dia PA Pipe	13	10%	14	LFT		$ -	$ 75	0	$ 21	$ 21
2	1/2" Dia PA Pipe	4	10%	4	LFT		$ -	$ 75	0	$ 7	$ 7
PA PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											

Veracity Estimating

1	1/4" Dia PA Pipe	13	10%	14	LFT		$ -	$ 75	0	$ 21	$ 21
2	1/2" Dia PA Pipe	4	10%	4	LFT		$ -	$ 75	0	$ 7	$ 7
PA PIPE FITTING												
ELBOW												
1	1/4" Dia PA Pipe 90 Deg Elbow	6	0%	6	EA		$ -	$ 75	1	$ 90	$ 90
2	1/2" Dia PA Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	0	$ 15	$ 15
TEE												
1	1/2" / 1/4" Dia PA Pipe Tee	4	0%	4	EA		$ -	$ 75	1	$ 90	$ 90
REDUCER												
1	1/2" / 1/4" Dia PA Pipe Reducer	1	0%	1	EA		$ -	$ 75	0	$ 27	$ 27
MEMBRANE PERMEATE PIPE												
Stainless Steel												
1	1/2" Dia Membrane Permeate Pipe	125	10%	138	LFT		$ -	$ 75	17	$ 1,242	$ 1,242
2	3/4" Dia Membrane Permeate Pipe	16	10%	18	LFT		$ -	$ 75	3	$ 189	$ 189
3	4" Dia Membrane Permeate Pipe	129	10%	142	LFT		$ -	$ 75	88	$ 6,591	$ 6,591
4	8" Dia Membrane Permeate Pipe	31	10%	34	LFT		$ -	$ 75	43	$ 3,200	$ 3,200
MEMBRANE PERMEATE PIPE INSULATION												
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	1/2" Dia Membrane Permeate Pipe	125	10%	138	LFT		$ -	$ 75	3	$ 207	$ 207
2	3/4" Dia Membrane Permeate Pipe	16	10%	18	LFT		$ -	$ 75	0	$ 27	$ 27
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
3	4" Dia Membrane Permeate Pipe	129	10%	142	LFT		$ -	$ 75	9	$ 638	$ 638
4	8" Dia Membrane Permeate Pipe	31	10%	34	LFT		$ -	$ 75	2	$ 181	$ 181
MEMBRANE PERMEATE PIPE FITTING												
ELBOW												
1	1/2" Dia Membrane Permeate Pipe 90 Deg Elbow	24	0%	24	EA		$ -	$ 75	5	$ 360	$ 360
2	4" Dia Membrane Permeate Pipe 90 Deg Elbow	60	0%	60	EA		$ -	$ 75	44	$ 3,330	$ 3,330

Veracity Estimating

MD PIPE												
Stainless Steel												
1	1/2" Dia MD Pipe	15	10%	17	LFT		$ -	$ 75	2	$ 149	$ 149
2	3/4" Dia MD Pipe	12	10%	13	LFT		$ -	$ 75	2	$ 139	$ 139
MD PIPE INSULATION												
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	1/2" Dia MD Pipe	15	10%	17	LFT		$ -	$ 75	0	$ 25	$ 25
2	3/4" Dia MD Pipe	12	10%	13	LFT		$ -	$ 75	0	$ 20	$ 20
MD PIPE FITTING												
ELBOW												
1	1/2" Dia MD Pipe 90 Deg Elbow	6	0%	6	EA		$ -	$ 75	1	$ 90	$ 90
GAC PIPE												
CPVC												
1	1/2" Dia GAC Contractor Effluent Monitoring Pipe	26	10%	29	LFT		$ -	$ 75	1	$ 43	$ 43
2	3/4" Dia GAC Contractor Effluent Monitoring Pipe	167	10%	184	LFT		$ -	$ 75	4	$ 276	$ 276
GAC PIPE INSULATION												
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	1/2" Dia GAC Contractor Effluent Monitoring Pipe	26	10%	29	LFT		$ -	$ 75	1	$ 43	$ 43
2	3/4" Dia GAC Contractor Effluent Monitoring Pipe	167	10%	184	LFT		$ -	$ 75	4	$ 276	$ 276
GAC PIPE FITTING												
ELBOW												
1	1/2" Dia GAC Contractor Effluent Monitoring Pipe 90 Deg Elbow	12	0%	12	EA		$ -	$ 75	2	$ 180	$ 180
2	3/4" Dia GAC Contractor Effluent Monitoring Pipe 90 Deg Elbow	24	0%	24	EA		$ -	$ 75	6	$ 432	$ 432
DRAIN PIPE												
CPVC												
1	3/4" Dia Drain Pipe	129	10%	142	LFT		$ -	$ 75	3	$ 213	$ 213

Veracity Estimating

DRAIN PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	3/4" Dia Drain Pipe	129	10%	142	LFT		$ -	$ 75	3	$ 213	$ 213
DRAIN PIPE FITTING											
ELBOW											
1	3/4" Dia Drain Pipe 45 Deg Elbow	12	0%	12	EA		$ -	$ 75	3	$ 216	$ 216
2	3/4" Dia Drain Pipe 90 Deg Elbow	6	0%	6	EA		$ -	$ 75	1	$ 108	$ 108
UVE PIPE											
PVC											
1	20" Dia UVE Pipe	34	10%	37	LFT		$ -	$ 75	14	$ 1,032	$ 1,032
UVE PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	20" Dia UVE Pipe	34	10%	37	LFT		$ -	$ 75	9	$ 697	$ 697
CCE PIPE											
PVC											
1	36" Dia CCE Pipe	16	10%	18	LFT		$ -	$ 75	11	$ 828	$ 828
CCE PIPE INSULATION											
1-1/2" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	36" Dia CCE Pipe	16	10%	18	LFT		$ -	$ 75	11	$ 801	$ 801
CCE PIPE FITTING											
REDUCER											
1	36" / 20" Dia CCE Pipe Reducer	3	0%	3	EA		$ -	$ 75	10	$ 720	$ 720
HW3 PIPE											
PVC											

Veracity Estimating

1	3" Dia HW3 Pipe	21	10%	23	LFT		$ -	$ 75	1	$ 102	$ 102
HW3 PIPE INSULATION												
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	3" Dia HW3 Pipe	21	10%	23	LFT		$ -	$ 75	1	$ 85	$ 85
HW3 PIPE FITTING												
ELBOW												
1	3" Dia HW3 Pipe 45 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 90	$ 90
2	3" Dia HW3 Pipe 90 Deg Elbow	1	0%	1	EA		$ -	$ 75	1	$ 45	$ 45
DISCHARGE PIPE												
PVC												
1	3" Dia Recirculation Discharge Pipe	41	10%	45	LFT		$ -	$ 75	3	$ 201	$ 201
DISCHARGE PIPE INSULATION												
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	3" Dia Recirculation Discharge Pipe	41	10%	45	LFT		$ -	$ 75	2	$ 168	$ 168
DISCHARGE PIPE FITTING												
ELBOW												
1	3" Dia Recirculation Discharge Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 90	$ 90
ALUM PIPE												
PVC												
1	2" Dia Alum Pipe	42	10%	46	LFT		$ -	$ 75	2	$ 139	$ 139
2	3" Dia Alum Pipe	190	10%	209	LFT		$ -	$ 75	13	$ 940	$ 940
ALUM PIPE INSULATION												
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap												
1	2" Dia Alum Pipe	42	10%	46	LFT		$ -	$ 75	2	$ 174	$ 174
2	3" Dia Alum Pipe	190	10%	209	LFT		$ -	$ 75	10	$ 784	$ 784

Veracity Estimating

ALUM PIPE FITTING											
ELBOW											
1	2" Dia Alum Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 57	$ 57
2	3" Dia Alum Pipe 90 Deg Elbow	14	0%	14	EA		$ -	$ 75	8	$ 630	$ 630
TEE											
1	3" Dia Alum Pipe Tee	2	0%	2	EA		$ -	$ 75	2	$ 135	$ 135
ALUM FILL PIPE											
PVC											
1	4" Dia ALUM Fill Pipe	42	10%	46	LFT		$ -	$ 75	3	$ 207	$ 207
ALUM FILL PIPE INSULATION											
1" Thick, Owens Corning Fiberglass Insulation, with vapor barrier and self-sealing lap											
1	4" Dia ALUM Fill Pipe	42	10%	46	LFT		$ -	$ 75	3	$ 207	$ 207
ALUM PIPE FITTING											
ELBOW											
1	4" Dia ALUM Fill Pipe 90 Deg Elbow	2	0%	2	EA		$ -	$ 75	1	$ 111	$ 111
FLOW METER											
1	1" Mag Meter	3	0%	3	EA		$ -	$ 75	2	$ 180	$ 180
2	2-1/2" Mag Meter	1	0%	1	EA		$ -	$ 75	1	$ 98	$ 98
3	3" Flow Meter	2	0%	2	EA		$ -	$ 75	3	$ 240	$ 240
4	4" Dia FM Flowmeter	6	0%	6	EA		$ -	$ 75	12	$ 900	$ 900
5	Thermal Dispersion Flow Meter	1	0%	1	EA		$ -	$ 75	2	$ 150	$ 150
6	1/4" Coriolis Flowmeter	4	0%	4	EA		$ -	$ 75	2	$ 180	$ 180
7	1-1/2" Flowmeter	3	0%	3	EA		$ -	$ 75	3	$ 225	$ 225
8	FE/FIT 22-1204, Flow Meter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
9	FE/FIT 22-1203, Flow Meter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
10	FE/FIT 22-1201, Flow Meter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
11	FE/FIT 22-1202, Flow Meter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
12	FE/FIT 5490, Coriolis Flow Meter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75

Veracity Estimating

13	FE/FIT 5490C, Coriolis Flow Meter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
14	FE/FIT 6693, 1-1/2" Dia MAG Meter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
15	FE/FIT 3520-1, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
16	FE/FIT 3520-2, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
17	FE/FIT 3520-3, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
18	FE/FIT 3520-4, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
19	FE/FIT 3520-5, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
20	FE/FIT 3520-6, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
21	FE/FIT, 3520-7, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
22	FE/FIT, 3520-8, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
23	FE/FIT, 3520-9, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
24	FE/FIT, 3520-10, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
25	FE/FIT, 3520-11, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
26	FE/FIT, 3520-12, 8" Dia FM	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
27	FE, 29-1803, 8" Dia Magnetic Flowmeter	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
28	FE, 29-1804, 18" Dia Magnetic Flowmeter	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
29	FE/FIT, 8520-B, Flow Meter/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
30	FE/FIT, 8520-A, Flow Meter/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
31	FE/FIT 40-1102 Flowmeter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
32	FE/FIT 38-1101 Flowmeter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
33	FE/FIT 40-1101 Flowmeter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
34	FE/FIT, 8120, 8" Dia FM Flowmeter	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
35	FE/FIT, 8820, 8" Dia FM Flowmeter	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
36	FE 60-2303, 4" Dia Flowmeter	1	0%	1	EA		$ -	$ 75	2	$ 150	$ 150
37	FE 40-6165, 6" Dia Flowmeter	1	0%	1	EA		$ -	$ 75	3	$ 188	$ 188
38	FE 50-2501, 24" Dia Magnetic Flowmeter	1	0%	1	EA		$ -	$ 75	7	$ 525	$ 525
39	FE 50-2502, 24" Dia Magnetic Flowmeter	1	0%	1	EA		$ -	$ 75	7	$ 525	$ 525
40	FE 50-2503, 24" Dia Magnetic Flowmeter	1	0%	1	EA		$ -	$ 75	7	$ 525	$ 525
41	FE, 20-1003 Flowmeter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
42	FE, 21-1304 Flowmeter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
43	FE, 21-1303 Flowmeter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
44	FE, 21-1301 Flowmeter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
45	FE, 21-1302 Flowmeter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
46	FE, 21-1305 Flowmeter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
47	FE, 21-1306 Flowmeter	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75

Veracity Estimating

OPERATOR / ACTUATOR											
1	8" Dia Motorized Actuator	6	0%	6	EA		$ -	$ 75	9	$ 675	$ 675
2	8" Dia Manual Operator	2	0%	2	EA		$ -	$ 75	2	$ 150	$ 150
3	10" Dia Manual Operator	1	0%	1	EA		$ -	$ 75	1	$ 75	$ 75
4	10" Dia Motorized Actuator	7	0%	7	EA		$ -	$ 75	11	$ 788	$ 788
5	12" Dia Motorized Actuator	7	0%	7	EA		$ -	$ 75	13	$ 945	$ 945
6	12" Dia Manual Operator	7	0%	7	EA		$ -	$ 75	8	$ 630	$ 630
PUMP											
1	TWAS Pump 1	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
2	TWAS Pump 2	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
3	TWAS Pump 3	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
4	P10-600 Influent Sewage Pump, Manufactured by Flygt, Sulzer Pumps or equal	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
5	P10-200 Influent Sewage Pump, Manufactured by Flygt, Sulzer Pumps or equal	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
6	P10-100 Influent Sewage Pump, Manufactured by Flygt, Sulzer Pumps or equal	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
7	P15-1502, Septage Discharge Pump	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
8	P15-1501, Septage Discharge Pump	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
9	P21-1303, Grit Pump No 3, The grit collector shall be model 30.0B as manufactured by Smith & Loveless, Inc. Substitutions and “or equals” are prohibited	2	0%	2	EA		$ -	$ 75	24	$ 1,800	$ 1,800
10	P21-1304, Grit Pump No 4, The grit collector shall be model 30.0B as manufactured by Smith & Loveless, Inc. Substitutions and “or equals” are prohibited	2	0%	2	EA		$ -	$ 75	24	$ 1,800	$ 1,800
11	P21-1305, Grit Pump No 5, The grit collector shall be model 30.0B as manufactured by Smith & Loveless, Inc. Substitutions and “or equals” are prohibited	2	0%	2	EA		$ -	$ 75	24	$ 1,800	$ 1,800
12	P21-1306, Grit Pump No 6, The grit collector shall be model 30.0B as manufactured by Smith & Loveless, Inc. Substitutions and “or equals” are prohibited	2	0%	2	EA		$ -	$ 75	24	$ 1,800	$ 1,800
13	P26-1403, Primary Sludge Transfer Pump, The progressive cavity pumps shall be the MOYNO EZ Strip, or Seepex BN Series. Substitutions and “or equals” are prohibited	1	0%	1	EA		$ -	$ 75	12	$ 900	$ 900

Veracity Estimating

14	P26-1404, Primary Sludge Transfer Pump , The progressive cavity pumps shall be the MOYNO EZ Strip, or Seepex BN Series. Substitutions and “or equals” are prohibited	1	0%	1	EA		$ -	$ 75	12	$ 900	$ 900
15	P26-1805, Primary Sludge Recirculation Pump, Pump shall be a non-clog, centrifugal, helical screw pump as manufactured by, Wemco, Hidrostal, or equal.	1	0%	1	EA		$ -	$ 75	12	$ 900	$ 900
16	P31-4011, NRCY Pump	3	0%	3	EA		$ -	$ 75	24	$ 1,800	$ 1,800
17	P31-4211, ARCY Pump	3	0%	3	EA		$ -	$ 75	24	$ 1,800	$ 1,800
18	P80-1301, Methanol Sump Pump No 1, simplex pump, Model 1607S as manufactured by Weil Pump Company Inc., or equal in stainless steel construction rated for service with flammable liquids	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
19	P80-1201, Methanol Sump Pump No 2, simplex pump, Model 1607S as manufactured by Weil Pump Company Inc., or equal in stainless steel construction rated for service with flammable liquids	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
20	P81-2001, Alum/Ferric Metering Pumps, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
21	P81-2002, Alum/Ferric Metering Pumps, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
22	P81-1501, Alum/Ferric Recirculation Pump, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
23	P82-2002, Hypochlorite Metering Pump, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
24	P82-2003, Hypochlorite Metering Pump, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
25	P82-1502, Recirculation Pump	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
26	P83-1300, Sodium Hydroxide Sump Pump, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
27	P84-2001, Citric Metering Pump, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600

Veracity Estimating

28	P84-2002, Citric Metering Pump, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
29	P84-1300, Citric Acid Sump Pump, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
30	P81-1300, Alum/Ferric Sump Pump, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
31	P87-1300, Alum Sump Pump, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
32	P87-1501, Alum Recirculation Pump, Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
33	P88-1000, Sump Pump For Acidic Chemical Unloading Area, BJM Corporation Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
34	P97-1303, Sump Pump, BJM Corporation Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
35	P97-1304, Sump Pump, BJM Corporation Model TIGF32-9NL or Model IGF32-9NL (depending on materials on construction specified herein), or equal	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
AIR COMPRESSOR AND TANK											
1	Air Reciever Tank	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
2	Air Compressor W/ Equipment Pad, The compressed air equipment shall be Model QOF as manufactured by Quincy, Model SF+ as manufactured by Atlas Copco or equal.	1	0%	1	EA		$ -	$ 75	48	$ 3,600	$ 3,600
TANK											
1	T84-1001, 4400 GAL Citric Acid Storage Tank No 1	1	0%	1	EA		$ -	$ 75	16	$ 1,200	$ 1,200
2	T84-1002, 4400 GAL Citric Acid Storage Tank No 1	1	0%	1	EA		$ -	$ 75	16	$ 1,200	$ 1,200
3	Tank, 23000 GAL ALUM Storage Tank No 3	1	0%	1	EA		$ -	$ 75	60	$ 4,500	$ 4,500
IMMERSION HEATER											

Veracity Estimating

1	Immersion Heater (On Citric Acid Tank 1)	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
2	Immersion Heater (On Citric Acid Tank 2)	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
3	Immersion Heater (On ALUM Storage Tank 1)	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
4	Immersion Heater (On ALUM Storage Tank 2)	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
5	Immersion Heater (On ALUM Storage Tank 3)	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
HEAT EXCHANGER											
1	P60-2005, Heat Exchanger	1	0%	1	EA		$ -	$ 75	36	$ 2,700	$ 2,700
SCRUBBER											
1	Prehumidifying Scrubber No 3	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
MIXER											
1	MIX22-1001, Mixer	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
WIPERS											
1	Mechanical Wipers, Quartx Sleeves And UV Lamps In Bank Three Of Existing UV Reactor	3	0%	3	EA		$ -	$ 75	18	$ 1,350	$ 1,350
GRIT COLLECTOR											
1	M21-1103 Grit Collector 3	1	0%	1	EA		$ -	$ 75	60	$ 4,500	$ 4,500
SEAL WATER PANEL											
1	Seal Water Panel 1513402	4	0%	4	EA		$ -	$ 75	32	$ 2,400	$ 2,400
SPLITTER BOX											
1	Primary Influent Splitter Box	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
TWAS HOOPER											
1	TWAS Hopper N0.3 M70-2603	1	0%	1	EA		$ -	$ 75	36	$ 2,700	$ 2,700
CAKE STORAGE HOPER											
1	Cake Storage Hopper No.1	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
2	Cake Storage Hopper No.2	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800

Veracity Estimating

SWAS BOX											
1	SWAS Box	2	0%	2	EA		$ -	$ 75	12	$ 900	$ 900
PROCESS AIR BLOWER											
1	Process Air Blower B30-2001	1	0%	1	EA		$ -	$ 75	36	$ 2,700	$ 2,700
2	Process Air Blower B30-2006	1	0%	1	EA		$ -	$ 75	36	$ 2,700	$ 2,700
HOSE BIBB											
1	1/2" Dia Hose Bibb	12	0%	12	EA		$ -	$ 75	6	$ 450	$ 450
MONITOR PANEL											
1	UV254 Monitor Panel	6	0%	6	EA		$ -	$ 75	36	$ 2,700	$ 2,700
Y-STRAINER											
1	3/4" Dia Y-Strainer	1	0%	1	EA		$ -	$ 75	1	$ 45	$ 45
2	1" Wye Strainer	12	0%	12	EA		$ -	$ 75	10	$ 720	$ 720
GRIT CYCLONE AND ACCESSORIES											
1	M21-2103, Grit Cyclone No 3	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
2	M21-2203, Classifier No 3	1	0%	1	EA		$ -	$ 75	12	$ 900	$ 900
3	M20-3225, Screenings Washer And Compactor	1	0%	1	EA		$ -	$ 75	12	$ 900	$ 900
4	M20-2105, Influent Coarse Screen	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
5	M20-3605	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
STOP GATE											
1	2'-4" H AL Stop Gate W/ Frame Shall Be Series N1C As Manufactured By Halliday Products Or Equal	2	0%	2	EA		$ -	$ 75	8	$ 600	$ 600
DAVIT BASE											
1	Surface Mounted Davit Base	2	0%	2	EA		$ -	$ 75	8	$ 600	$ 600
HOSE REEL											
1	Hose Reel	2	0%	2	EA		$ -	$ 75	2	$ 180	$ 180
COLUMN											

Veracity Estimating

1	CONC Column	2	0%	2	EA		$ -	$ 75	24	$ 1,800	$ 1,800
2	Water Cannon	6	0%	6	EA		$ -	$ 75	12	$ 900	$ 900
PIPE HEADER											
1	6" Dia W3 Header	6	0%	6	EA		$ -	$ 75	18	$ 1,350	$ 1,350
TANK INSPECTION COVER											
1	42"x37" Clear Opening Tank Access/Inspection Cover	6	0%	6	EA		$ -	$ 75	18	$ 1,350	$ 1,350
ROOF DRAIN HOUSING											
1	6" Dia Roof Drain Housing, JOSAM 22010 Series Or Equal	30	0%	30	EA		$ -	$ 75	36	$ 2,700	$ 2,700
PRESSURE GAUGE											
1	Pressure Gauge	4	0%	4	EA		$ -	$ 75	2	$ 150	$ 150
2	1/2" Dia PI-3840B, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
3	1/2" Dia PI-3840A, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
4	1" Dia Pressure Gauge W/ Diaphram Seal	2	0%	2	EA		$ -	$ 75	1	$ 75	$ 75
5	PI, 3540-12, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
6	PI, 3540-11, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
7	PI, 3540-10, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
8	PI, 3540-9, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
9	PI, 3540-8, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
10	PI, 3540-7, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
11	PI, 3540-1, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
12	PI, 3540-2, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
13	PI, 3540-3, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
14	PI, 3540-4, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
15	PI, 3540-5, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
16	PI, 3540-6, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
17	PI, 8540-G, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
18	PI, 8540-F, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
19	PI, 8540-E, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
20	PI, 8540-D, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
21	PI, 8540-C, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
22	PI, 8540-B, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
23	PI, 8540-A, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38

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24	PI 92-1123, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
25	PI 92-1151, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
26	PI 92-1113, 1/2" Dia Pressure Gauge	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
SLIDE GATE												
1	Motor Actuated Slide Gate, G10-004	1	0%	1	EA		$ -	$ 75	2	$ 150	$ 150
2	Motor Actuated Slide Gate, G10-003	1	0%	1	EA		$ -	$ 75	2	$ 150	$ 150
3	G20-1204, Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
4	G20-1205, Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
5	G20-2304, Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
6	G20-2305 Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
7	G22-1101, Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
8	G22-1102, Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
9	G22-1103, Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
10	G22-1104, Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
11	G22-1105, Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
12	G21-1003, Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
13	FG31-4812, Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
14	FG31-4811, Slide Gate	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
TRANSMITTER												
1	FIT 40-6165, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
2	PIT, 8520-B, Pressure Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
3	PIT, 8520-A, Pressure Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
4	AE, 3537-1, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
5	AE, 3537-2, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
6	AE, 3537-3, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
7	AE, 3537-4, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
8	AE, 3537-5, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
9	AE, 3537-6, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
10	AE, 3537-7, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
11	AE, 3537-8, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
12	AE, 3537-9, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
13	AE, 3537-10, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
14	AE, 3537-11, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
15	AE, 3537-12, Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53

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16	PE/PIT 3523-12, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
17	PE/PIT 3523-11, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
18	PE/PIT 3523-10, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
19	PE/PIT 3523-9, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
20	PE/PIT 3523-8, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
21	PE/PIT 3523-7, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
SENSOR											
1	PSH 3507B-6, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
2	PSH 3507B-5, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
3	PSH 3507B-4, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
4	PSH 3507B-3, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
5	PSH 3507B-2, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
6	PSH 3507B-1, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
7	PSH 3507A-1, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
8	PSH 3507A-2, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
9	PSH 3507A-3, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
10	PSH 3507A-4, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
11	PSH 3507A-5, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
12	PSH 3507A-6, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
13	PSH 3507B-12, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
14	PSH 3507B-11, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
15	PSH 3507B-10, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
16	PSH 3507B-9, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
17	PSH 3507B-8, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
18	PSH 3507B-7, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
19	PSH 3507A-7, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
20	PSH 3507A-8, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
21	PSH 3507A-9, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
22	PSH 3507A-10, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
23	PSH 3507A-11, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
24	PSH 3507A-12, Pressure Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
25	PE/LIT 3426-12, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
26	PE/LIT 3426-11, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
27	PE/LIT 3426-10, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
28	PE/LIT 3426-9, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53

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29	PE/LIT 3426-8, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
30	PE/LIT 3426-7, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
31	PE/PIT 3523-6, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
32	PE/PIT 3523-5, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
33	PE/PIT 3523-4, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
34	PE/PIT 3523-3, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
35	PE/PIT 3523-2, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
36	PE/PIT 3523-1, Pressure Element/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
37	PE/LIT 3426-6, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
38	PE/LIT 3426-5, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
39	PE/LIT 3426-4, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
40	PE/LIT 3426-3, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
41	PE/LIT 3426-2, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
42	PE/LIT 3426-1, Sensor/Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
43	LSH 92-1303, Level Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
44	LSL 92-1303, Level Sensor	1	0%	1	EA		$ -	$ 75	1	$ 53	$ 53
AIR RELIEF VENT											
1	1" Dia FV3468-12, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
2	1" Dia FV3468-11, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
3	1" Dia FV3468-10, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
4	1" Dia FV3468-9, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
5	1" Dia FV3468-8, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
6	1" Dia FV3468-7, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
7	1" Dia FV3468-1, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
8	1" Dia FV3468-2, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
9	1" Dia FV3468-3, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
10	1" Dia FV3468-4, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
11	1" Dia FV3468-5, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
12	1" Dia FV3468-6, Air Relief Vent	1	0%	1	EA		$ -	$ 75	1	$ 60	$ 60
FLOW SWITCH											
1	FSL, 8506-A, Flow Switch	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
2	FSL, 8506-B, Flow Switch	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
3	FSL, 8506-C, Flow Switch	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
4	FSL, 8506-D, Flow Switch	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90

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5	FSL, 8506-E, Flow Switch	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
6	FSL, 8506-F, Flow Switch	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
7	FSL, 8506-G, Flow Switch	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
MEMBRANE CHANNEL												
1	Membrane Channel No 1	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
2	Membrane Channel No 2	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
3	Membrane Channel No 3	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
4	Membrane Channel No 4	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
5	Membrane Channel No 5	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
6	Membrane Channel No 6	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
7	Membrane Channel No 7	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
8	Membrane Channel No 8	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
9	Membrane Channel No 9	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
10	Membrane Channel No 10	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
11	Membrane Channel No 11	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
12	Membrane Channel No 12	1	0%	1	EA		$ -	$ 75	2	$ 113	$ 113
KNIFE GATE OPER												
1	Hydraulic 24" Knife Gate Oper	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
COUPLING												
1	4" Flex Coupling	8	0%	8	EA		$ -	$ 75	10	$ 720	$ 720
2	4" Dia Expansion Coupling	8	0%	8	EA		$ -	$ 75	10	$ 720	$ 720
3	8" Dia Flexible Coupling	2	0%	2	EA		$ -	$ 75	4	$ 300	$ 300
4	12" Dia Flexible Coupling	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
5	18" SS Sloid Sleeve Coupling	1	0%	1	EA		$ -	$ 75	3	$ 210	$ 210
6	20" Dia Flexible Coupling	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
7	30" Dia Flexible Coupling	6	0%	6	EA		$ -	$ 75	25	$ 1,890	$ 1,890
8	36" ALP Pipe Flex Coupling	4	0%	4	EA		$ -	$ 75	18	$ 1,320	$ 1,320
9	48" Harnessed Flanged Coupling Adapter	1	0%	1	EA		$ -	$ 75	5	$ 390	$ 390
10	60" Dia Expansion Joint	1	0%	1	EA		$ -	$ 75	6	$ 435	$ 435
FLANGE												
1	3" Dia Blind Flange	30	0%	30	EA		$ -	$ 75	36	$ 2,700	$ 2,700
2	6" Dia Blind Flange	12	0%	12	EA		$ -	$ 75	22	$ 1,620	$ 1,620

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3	8" Dia Filler Flange	13	0%	13	EA		$ -	$ 75	29	$ 2,145	$ 2,145
SILENCER											
1	10" Silencer	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
2	20" Discharge Connection Silencer	2	0%	2	EA		$ -	$ 75	12	$ 900	$ 900
ISOLATION RING											
1	4" Isolation Ring	6	0%	6	EA		$ -	$ 75	7	$ 540	$ 540
HFA											
1	4" HFA	10	0%	10	EA		$ -	$ 75	20	$ 1,500	$ 1,500
2	6" HFA	1	0%	1	EA		$ -	$ 75	3	$ 188	$ 188
3	16" HFA	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
4	24" HFA	2	0%	2	EA		$ -	$ 75	12	$ 900	$ 900
HFCA											
1	8" Dia HFCA	1	0%	1	EA		$ -	$ 75	3	$ 188	$ 188
2	10 HFCA	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
3	18" Dia HFCA	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
4	1516402, 48" Dia HFCA	1	0%	1	EA		$ -	$ 75	10	$ 750	$ 750
UNION											
1	1" Union	36	0%	36	EA		$ -	$ 75	23	$ 1,755	$ 1,755
2	1-1/2" Union	3	0%	3	EA		$ -	$ 75	3	$ 198	$ 198
3	2" Dia Union	4	0%	4	EA		$ -	$ 75	5	$ 360	$ 360
VALVE											
1	1/4" Dia Ball Valve	5	0%	5	EA		$ -	$ 75	2	$ 150	$ 150
2	1/2" Ball Valve	12	0%	12	EA		$ -	$ 75	5	$ 360	$ 360
3	1/2" Dia Bypass Valve	1	0%	1	EA		$ -	$ 75	0	$ 30	$ 30
4	1/2" Dia Gate Valve	12	0%	12	EA		$ -	$ 75	5	$ 360	$ 360
5	1/2" Dia Isolation Valve	6	0%	6	EA		$ -	$ 75	2	$ 180	$ 180
6	1/2" Dia Needle Valve	6	0%	6	EA		$ -	$ 75	2	$ 180	$ 180
7	1/2" Dia True Union Ball Valve	3	0%	3	EA		$ -	$ 75	1	$ 90	$ 90
8	1/2" Dia Vaccum Release Valve	6	0%	6	EA		$ -	$ 75	2	$ 180	$ 180

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9	3/4" Dia Ball Valve	6	0%	6	EA		$ -	$ 75	3	$ 198	$ 198
10	3/4" Dia Bypass Valve	1	0%	1	EA		$ -	$ 75	0	$ 33	$ 33
11	3/4" Dia Freeze Protection Valve	6	0%	6	EA		$ -	$ 75	3	$ 198	$ 198
12	3/4" Dia Gate Valve	1	0%	1	EA		$ -	$ 75	0	$ 33	$ 33
13	3/4" Dia Isolation Valve	6	0%	6	EA		$ -	$ 75	3	$ 198	$ 198
14	3/4" Dia Needle Valve	6	0%	6	EA		$ -	$ 75	3	$ 198	$ 198
15	3/4" Dia True Union Ball Valve	3	0%	3	EA		$ -	$ 75	1	$ 99	$ 99
16	3/4" Dia Turn Union Ball Valve	2	0%	2	EA		$ -	$ 75	1	$ 66	$ 66
17	1" 4-Way, 3 Position Closed Center Control Valve	8	0%	8	EA		$ -	$ 75	6	$ 480	$ 480
18	1" Check Valve	3	0%	3	EA		$ -	$ 75	2	$ 135	$ 135
19	1" Control Valve	8	0%	8	EA		$ -	$ 75	5	$ 360	$ 360
20	1" Dia Ball Valve	6	0%	6	EA		$ -	$ 75	4	$ 270	$ 270
21	1" Dia Bypass Valve	2	0%	2	EA		$ -	$ 75	1	$ 90	$ 90
22	1" Dia Pressure Reducing Valve	2	0%	2	EA		$ -	$ 75	2	$ 120	$ 120
23	1" Dia True Union Ball Valve	3	0%	3	EA		$ -	$ 75	2	$ 135	$ 135
24	1" Isolation Ball Valve	4	0%	4	EA		$ -	$ 75	2	$ 180	$ 180
25	1" Isolation Valve	8	0%	8	EA		$ -	$ 75	5	$ 360	$ 360
26	1" Pressure Reducing Valve	8	0%	8	EA		$ -	$ 75	6	$ 480	$ 480
27	1" Pressure Reducing Valve	4	0%	4	EA		$ -	$ 75	3	$ 240	$ 240
28	1-1/2" Ball Valve	16	0%	16	EA		$ -	$ 75	14	$ 1,056	$ 1,056
29	1-1/2" Drain Valve	1	0%	1	EA		$ -	$ 75	1	$ 66	$ 66
30	2" Dia Ball Check Valve	4	0%	4	EA		$ -	$ 75	5	$ 360	$ 360
31	2" Dia Ball Valve	2	0%	2	EA		$ -	$ 75	2	$ 180	$ 180
32	2" Dia Ball Valve	4	0%	4	EA		$ -	$ 75	5	$ 360	$ 360
33	2" Dia Drain valve	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
34	2-1/2" Ball Valve	1	0%	1	EA		$ -	$ 75	1	$ 105	$ 105
35	3" Dia Blowsetter Valve	1	0%	1	EA		$ -	$ 75	1	$ 105	$ 105
36	3" Dia Ball Valve	8	0%	8	EA		$ -	$ 75	11	$ 840	$ 840
37	3" Dia Check Valve	4	0%	4	EA		$ -	$ 75	6	$ 420	$ 420
38	3" Dia Gate Valve	4	0%	4	EA		$ -	$ 75	6	$ 420	$ 420
39	3" Plug Valve	1	0%	1	EA		$ -	$ 75	1	$ 105	$ 105
40	4" Check Valve	2	0%	2	EA		$ -	$ 75	4	$ 270	$ 270
41	4" Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
42	4" Check Valve	9	0%	9	EA		$ -	$ 75	16	$ 1,215	$ 1,215
43	4" Dia PE Valve Stem For Nut Operator	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
44	4" Dia PV W/ Chainwheel Operator	5	0%	5	EA		$ -	$ 75	9	$ 675	$ 675

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45	4" Gate Valve	5	0%	5	EA		$ -	$ 75	9	$ 675	$ 675
46	4" Plug Valve	44	0%	44	EA		$ -	$ 75	79	$ 5,940	$ 5,940
47	6" Aperture Valve And Motor Actuator With Chain Wheel	2	0%	2	EA		$ -	$ 75	5	$ 375	$ 375
48	6" Check Valve	1	0%	1	EA		$ -	$ 75	2	$ 165	$ 165
49	6" Dia Butterfly Valve	2	0%	2	EA		$ -	$ 75	4	$ 330	$ 330
50	6" Dia Gate Valve	1	0%	1	EA		$ -	$ 75	2	$ 165	$ 165
51	6" Dia Pressure Reducing Valve	1	0%	1	EA		$ -	$ 75	3	$ 188	$ 188
52	6" Dia PV W/ Chainwheel Operator	2	0%	2	EA		$ -	$ 75	4	$ 330	$ 330
53	6" Dia TF-2, Tideflex Check Valve Or Equal	30	0%	30	EA		$ -	$ 75	66	$ 4,950	$ 4,950
54	6" Plug Valve	8	0%	8	EA		$ -	$ 75	18	$ 1,320	$ 1,320
55	8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
56	10" Plug Valve	3	0%	3	EA		$ -	$ 75	10	$ 720	$ 720
57	20" Butterfly Valve	2	0%	2	EA		$ -	$ 75	11	$ 810	$ 810
58	20" Butterfly Valve With Chain Wheel operator	2	0%	2	EA		$ -	$ 75	11	$ 810	$ 810
59	20" Check Valve	2	0%	2	EA		$ -	$ 75	11	$ 810	$ 810
60	24" Dia Butterfly Valve	4	0%	4	EA		$ -	$ 75	24	$ 1,800	$ 1,800
61	30" Dia Motorized Valve Oper	1	0%	1	EA		$ -	$ 75	7	$ 540	$ 540
62	30" Dia Plug Valve (FV10-018)	2	0%	2	EA		$ -	$ 75	14	$ 1,080	$ 1,080
63	30" Mootorized Valve Oper	2	0%	2	EA		$ -	$ 75	16	$ 1,200	$ 1,200
64	36" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	8	$ 630	$ 630
65	36" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	8	$ 630	$ 630
66	48" Butterfly Valve And Motorized Actuator	1	0%	1	EA		$ -	$ 75	12	$ 915	$ 915
67	60" Dia Butterfly Valve	2	0%	2	EA		$ -	$ 75	28	$ 2,130	$ 2,130
68	1/4" Dia HCheck Valve-3536-1, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
69	1/4" Dia HCheck Valve-3536-2, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
70	1/4" Dia HCheck Valve-3536-3, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
71	1/4" Dia HCheck Valve-3536-4, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
72	1/4" Dia HCheck Valve-3536-5, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
73	1/4" Dia HCheck Valve-3536-6, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
74	1/4" Dia HCheck Valve-3536-7, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
75	1/4" Dia HCheck Valve-3536-8, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
76	1/4" Dia HCheck Valve-3536-9, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
77	1/4" Dia HCheck Valve-3536-10, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
78	1/4" Dia HCheck Valve-3536-11, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
79	1/4" Dia HCheck Valve-3536-12, 1/4" Dia Needle Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
80	1/4" Dia HV-3536-1, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38

Veracity Estimating

81	1/4" Dia HV-3536-2, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
82	1/4" Dia HV-3536-3, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
83	1/4" Dia HV-3536-4, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
84	1/4" Dia HV-3536-5, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
85	1/4" Dia HV-3536-6, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
86	1/4" Dia HV-3536-7, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
87	1/4" Dia HV-3536-8, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
88	1/4" Dia HV-3536-9, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
89	1/4" Dia HV-3536-10, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
90	1/4" Dia HV-3536-11, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
91	1/4" Dia HV-3536-12, 1/4" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
92	1/2" Dia Check Valve3536-1, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
93	1/2" Dia Check Valve3536-2, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
94	1/2" Dia Check Valve3536-3, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
95	1/2" Dia Check Valve3536-4, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
96	1/2" Dia Check Valve3536-5, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
97	1/2" Dia Check Valve3536-6, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
98	1/2" Dia Check Valve3536-7, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
99	1/2" Dia Check Valve3536-8, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
100	1/2" Dia Check Valve3536-9, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
101	1/2" Dia Check Valve3536-10, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
102	1/2" Dia Check Valve3536-11, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
103	1/2" Dia Check Valve3536-12, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
104	1/2" Dia Check Valve5185S, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
105	1/2" Dia Check Valve5485-A, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
106	1/2" Dia Check Valve5485-B, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
107	1/2" Dia Check Valve5485-C, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
108	1/2" Dia Check Valve6085S, 1/2" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
109	1/2" Dia FV5460-A, Ball Valve W/ Pneumatic Actuator	1	0%	1	EA		$ -	$ 75	1	$ 45	$ 45
110	1/2" Dia FV5460-B, Ball Valve W/ Pneumatic Actuator	1	0%	1	EA		$ -	$ 75	1	$ 45	$ 45
111	1/2" Dia FV5460-C, Ball Valve W/ Pneumatic Actuator	1	0%	1	EA		$ -	$ 75	1	$ 45	$ 45
112	1/2" Dia HB5491-A, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
113	1/2" Dia HB5491-C, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
114	1/2" Dia HV-3537-1, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
115	1/2" Dia HV-3537-2, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
116	1/2" Dia HV-3537-3, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30

Veracity Estimating

117	1/2" Dia HV-3537-4, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
118	1/2" Dia HV-3537-5, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
119	1/2" Dia HV-3537-6, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
120	1/2" Dia HV-3537-7, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
121	1/2" Dia HV-3537-8, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
122	1/2" Dia HV-3537-9, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
123	1/2" Dia HV-3537-10, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
124	1/2" Dia HV-3537-11, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
125	1/2" Dia HV-3537-12, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
126	1/2" Dia HV3540-1, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
127	1/2" Dia HV3540-2, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
128	1/2" Dia HV3540-3, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
129	1/2" Dia HV3540-4, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
130	1/2" Dia HV3540-5, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
131	1/2" Dia HV3540-6, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
132	1/2" Dia HV3540-7, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
133	1/2" Dia HV3540-8, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
134	1/2" Dia HV3540-9, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
135	1/2" Dia HV3540-10, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
136	1/2" Dia HV3540-11, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
137	1/2" Dia HV3540-12, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
138	1/2" Dia HV3545A-1, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
139	1/2" Dia HV3545A-2, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
140	1/2" Dia HV3545A-3, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
141	1/2" Dia HV3545A-4, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
142	1/2" Dia HV3545A-5, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
143	1/2" Dia HV3545A-6, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
144	1/2" Dia HV3545A-7, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
145	1/2" Dia HV3545A-8, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
146	1/2" Dia HV3545A-9, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
147	1/2" Dia HV3545A-10, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
148	1/2" Dia HV3545A-11, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
149	1/2" Dia HV3545A-12, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
150	1/2" Dia HV3545B-1, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
151	1/2" Dia HV3545B-2, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
152	1/2" Dia HV3545B-3, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30

Veracity Estimating

153	1/2" Dia HV3545B-4, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
154	1/2" Dia HV3545B-5, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
155	1/2" Dia HV3545B-6, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
156	1/2" Dia HV3545B-8, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
157	1/2" Dia HV3545B-9, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
158	1/2" Dia HV3545B-10, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
159	1/2" Dia HV3545B-11, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
160	1/2" Dia HV3545B-12, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
161	1/2" Dia HV3595-1, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
162	1/2" Dia HV3595-2, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
163	1/2" Dia HV3595-3, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
164	1/2" Dia HV3595-4, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
165	1/2" Dia HV3595-5, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
166	1/2" Dia HV3595-6, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
167	1/2" Dia HV3595-7, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
168	1/2" Dia HV3595-8, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
169	1/2" Dia HV3595-9, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
170	1/2" Dia HV3595-10, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
171	1/2" Dia HV3595-11, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
172	1/2" Dia HV3595-12, 1/2" Dia SS Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
173	1/2" Dia HV3840A, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
174	1/2" Dia HV3840B, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
175	1/2" Dia HV3841A, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
176	1/2" Dia HV3841B, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
177	1/2" Dia HV3887A, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
178	1/2" Dia HV3887B, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
179	1/2" Dia HV5191S, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
180	1/2" Dia HV5491A, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
181	1/2" Dia HV5491B, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
182	1/2" Dia HV5491C, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
183	1/2" Dia HV5492-A, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
184	1/2" Dia HV5492-B, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
185	1/2" Dia HV5492-C, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
186	1/2" Dia HV6091S, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
187	1/2" Dia HV8140A, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
188	1/2" Dia HV8140B, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30

Veracity Estimating

189	1/2" Dia HV8840A, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
190	1/2" Dia HV8840B, 1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 30	$ 30
191	3/4" Dia Check Valve6585, 3/4" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
192	3/4" Dia Check Valve6685, 3/4" Dia Check Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
193	3/4" Dia FV6560, Ball Valve W/ Pneumatic Actuator	1	0%	1	EA		$ -	$ 75	1	$ 45	$ 45
194	3/4" Dia FV6660, Ball Valve W/ Pneumatic Actuator	1	0%	1	EA		$ -	$ 75	1	$ 45	$ 45
195	3/4" Dia HV3586-1, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
196	3/4" Dia HV3586-10, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
197	3/4" Dia HV3586-11, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
198	3/4" Dia HV3586-12, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
199	3/4" Dia HV3586-2, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
200	3/4" Dia HV3586-3, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
201	3/4" Dia HV3586-4, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
202	3/4" Dia HV3586-5, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
203	3/4" Dia HV3586-6, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
204	3/4" Dia HV3586-7, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
205	3/4" Dia HV3586-8, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
206	3/4" Dia HV3586-9, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
207	3/4" Dia HV3587-1, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
208	3/4" Dia HV3587-10, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
209	3/4" Dia HV3587-11, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
210	3/4" Dia HV3587-12, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
211	3/4" Dia HV3587-2, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
212	3/4" Dia HV3587-3, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
213	3/4" Dia HV3587-4, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
214	3/4" Dia HV3587-5, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
215	3/4" Dia HV3587-6, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
216	3/4" Dia HV3587-7, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
217	3/4" Dia HV3587-8, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
218	3/4" Dia HV3587-9, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
219	3/4" Dia HV3886A, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
220	3/4" Dia HV3886B, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
221	3/4" Dia HV6591, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
222	3/4" Dia HV6592, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
223	3/4" Dia HV6691, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
224	3/4" Dia HV6692, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33

Veracity Estimating

225	3/4" Dia HV8187A, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
226	3/4" Dia HV8187B, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
227	3/4" Dia HV8887A, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
228	3/4" Dia HV8887B, 3/4" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	0.4	$ 33	$ 33
229	1-1/2" Dia HV6693A, 1-1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	1	$ 66	$ 66
230	1-1/2" Dia HV6693B, 1-1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	1	$ 66	$ 66
231	1-1/2" Dia HV6694, 1-1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	1	$ 66	$ 66
232	1-1/2" Dia HV8126, 1-1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	1	$ 66	$ 66
233	1-1/2" Dia HV8826A, 1-1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	1	$ 66	$ 66
234	1-1/2" Dia HV8826B, 1-1/2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	1	$ 66	$ 66
235	2" Dia HV-8191, 2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
236	2" Dia HV-8891A, 2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
237	2" Dia HV-8891B, 2" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
238	3" Dia HV3483A-1, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
239	3" Dia HV3483A-10, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
240	3" Dia HV3483A-11, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
241	3" Dia HV3483A-12, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
242	3" Dia HV3483A-2, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
243	3" Dia HV3483A-3, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
244	3" Dia HV3483A-4, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
245	3" Dia HV3483A-5, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
246	3" Dia HV3483A-6, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
247	3" Dia HV3483A-7, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
248	3" Dia HV3483A-8, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
249	3" Dia HV3483A-9, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
250	3" Dia HV3483B-1, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
251	3" Dia HV3483B-10, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
252	3" Dia HV3483B-11, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
253	3" Dia HV3483B-12, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
254	3" Dia HV3483B-2, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
255	3" Dia HV3483B-3, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
256	3" Dia HV3483B-4, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
257	3" Dia HV3483B-5, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
258	3" Dia HV3483B-6, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
259	3" Dia HV3483B-7, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
260	3" Dia HV3483B-8, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120

Veracity Estimating

261	3" Dia HV3483B-9, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
262	3" Dia HV3483C-1, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
263	3" Dia HV3483C-10, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
264	3" Dia HV3483C-11, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
265	3" Dia HV3483C-12, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
266	3" Dia HV3483C-2, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
267	3" Dia HV3483C-3, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
268	3" Dia HV3483C-4, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
269	3" Dia HV3483C-5, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
270	3" Dia HV3483C-6, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
271	3" Dia HV3483C-7, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
272	3" Dia HV3483C-8, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
273	3" Dia HV3483C-9, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
274	3" Dia HV3483D-1, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
275	3" Dia HV3483D-10, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
276	3" Dia HV3483D-11, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
277	3" Dia HV3483D-12, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
278	3" Dia HV3483D-2, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
279	3" Dia HV3483D-3, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
280	3" Dia HV3483D-4, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
281	3" Dia HV3483D-5, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
282	3" Dia HV3483D-6, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
283	3" Dia HV3483D-7, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
284	3" Dia HV3483D-8, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
285	3" Dia HV3483D-9, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
286	3" Dia HV3483E-1, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
287	3" Dia HV3483E-10, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
288	3" Dia HV3483E-11, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
289	3" Dia HV3483E-12, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
290	3" Dia HV3483E-2, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
291	3" Dia HV3483E-3, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
292	3" Dia HV3483E-4, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
293	3" Dia HV3483E-5, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
294	3" Dia HV3483E-6, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
295	3" Dia HV3483E-7, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
296	3" Dia HV3483E-8, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120

Veracity Estimating

297	3" Dia HV3483E-9, 3" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
298	4" Dia FV60-2504, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
299	4" Dia FV60-2506, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
300	4" Dia FV60-2507, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
301	4" Dia FV60-2508, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
302	4" Dia FV60-2509, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
303	4" Dia FV60-2510, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
304	4" Dia FV60-2602, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
305	4" Dia FV60-2604, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
306	4" Dia FV60-2605, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
307	4" Dia FV60-2606, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
308	4" Dia FV60-2607, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
309	4" Dia FV60-5121, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
310	4" Dia FV60-5131, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
311	4" Dia FV60-5132, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
312	4" Dia FV60-5141, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
313	4" Dia FV60-5142, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
314	4" Dia FV60-5144, 4" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
315	4" Dia HV3482A-1, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
316	4" Dia HV3482A-10, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
317	4" Dia HV3482A-11, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
318	4" Dia HV3482A-12, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
319	4" Dia HV3482A-2, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
320	4" Dia HV3482A-3, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
321	4" Dia HV3482A-4, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
322	4" Dia HV3482A-5, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
323	4" Dia HV3482A-6, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
324	4" Dia HV3482A-7, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
325	4" Dia HV3482A-8, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
326	4" Dia HV3482A-9, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
327	4" Dia HV3482B-1, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
328	4" Dia HV3482B-10, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
329	4" Dia HV3482B-11, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
330	4" Dia HV3482B-12, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
331	4" Dia HV3482B-2, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
332	4" Dia HV3482B-3, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135

Veracity Estimating

333	4" Dia HV3482B-4, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
334	4" Dia HV3482B-5, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
335	4" Dia HV3482B-6, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
336	4" Dia HV3482B-7, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
337	4" Dia HV3482B-8, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
338	4" Dia HV3482B-9, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
339	4" Dia HV3482C-1, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
340	4" Dia HV3482C-10, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
341	4" Dia HV3482C-11, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
342	4" Dia HV3482C-12, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
343	4" Dia HV3482C-2, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
344	4" Dia HV3482C-3, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
345	4" Dia HV3482C-4, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
346	4" Dia HV3482C-5, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
347	4" Dia HV3482C-6, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
348	4" Dia HV3482C-7, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
349	4" Dia HV3482C-8, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
350	4" Dia HV3482C-9, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
351	4" Dia HV3482D-1, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
352	4" Dia HV3482D-10, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
353	4" Dia HV3482D-11, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
354	4" Dia HV3482D-12, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
355	4" Dia HV3482D-2, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
356	4" Dia HV3482D-3, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
357	4" Dia HV3482D-4, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
358	4" Dia HV3482D-5, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
359	4" Dia HV3482D-6, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
360	4" Dia HV3482D-7, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
361	4" Dia HV3482D-8, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
362	4" Dia HV3482D-9, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
363	4" Dia HV3482E-1, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
364	4" Dia HV3482E-10, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
365	4" Dia HV3482E-11, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
366	4" Dia HV3482E-12, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
367	4" Dia HV3482E-2, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
368	4" Dia HV3482E-3, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135

Veracity Estimating

369	4" Dia HV3482E-5, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
370	4" Dia HV3482E-6, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
371	4" Dia HV3482E-7, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
372	4" Dia HV3482E-8, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
373	4" Dia HV3482E-9, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
374	4" Dia HV8090A, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
375	FV21-1903, 4" Dia PV W/ Motorized Actuator	1	0%	1	EA		$ -	$ 75	2	$ 180	$ 180
376	FV21-1901, 4" Dia PV W/ Motorized Actuator	1	0%	1	EA		$ -	$ 75	2	$ 180	$ 180
377	FV21-1902, 4" Dia PV W/ Motorized Actuator	1	0%	1	EA		$ -	$ 75	2	$ 180	$ 180
378	FV21-1904, 4" Dia PV W/ Motorized Actuator	1	0%	1	EA		$ -	$ 75	2	$ 180	$ 180
379	6" Dia FV60-5004, 6" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	2	$ 165	$ 165
380	8" Dia Check Valve8185A, 8" Dia Check Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
381	8" Dia Check Valve8185B, 8" Dia Check Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
382	8" Dia Check Valve8885A, 8" Dia Check Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
383	8" Dia Check Valve8885B, 8" Dia Check Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
384	8" Dia FCheck Valve3580-1, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
385	8" Dia FCheck Valve3580-10, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
386	8" Dia FCheck Valve3580-11, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
387	8" Dia FCheck Valve3580-12, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
388	8" Dia FCheck Valve3580-2, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
389	8" Dia FCheck Valve3580-3, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
390	8" Dia FCheck Valve3580-4, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
391	8" Dia FCheck Valve3580-5, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
392	8" Dia FCheck Valve3580-6, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
393	8" Dia FCheck Valve3580-7, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
394	8" Dia FCheck Valve3580-8, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
395	8" Dia FCheck Valve3580-9, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
396	8" Dia FV8160-1, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
397	8" Dia FV8160-10, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
398	8" Dia FV8160-11, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
399	8" Dia FV8160-12, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
400	8" Dia FV8160-2, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
401	8" Dia FV8160-3, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
402	8" Dia FV8160-4, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
403	8" Dia FV8160-5, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
404	8" Dia FV8160-6, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195

Veracity Estimating

405	8" Dia FV8160-7, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
406	8" Dia FV8160-8, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
407	8" Dia FV8160-9, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
408	8" Dia FV8180A, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
409	8" Dia FV8180B, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
410	8" Dia FV8181B, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
411	8" Dia FV8188, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
412	8" Dia FV8860-1, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
413	8" Dia FV8860-10, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
414	8" Dia FV8860-11, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
415	8" Dia FV8860-12, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
416	8" Dia FV8860-2, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
417	8" Dia FV8860-3, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
418	8" Dia FV8860-4, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
419	8" Dia FV8860-5, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
420	8" Dia FV8860-6, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
421	8" Dia FV8860-7, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
422	8" Dia FV8860-8, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
423	FV87-1103, 2" Dia Drain Valve	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
424	8" Dia FV8860-9, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
425	8" Dia FV8880, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
426	8" Dia FV8880B, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
427	8" Dia FV8888, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
428	8" Dia HV3580-1, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
429	8" Dia HV3580-10, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
430	8" Dia HV3580-11, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
431	8" Dia HV3580-12, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
432	8" Dia HV3580-2, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
433	8" Dia HV3580-3, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
434	8" Dia HV3580-4, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
435	8" Dia HV3580-5, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
436	8" Dia HV3580-6, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
437	8" Dia HV3580-7, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
438	8" Dia HV3580-8, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
439	8" Dia HV3580-9, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
440	8" Dia HV8870D, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195

Veracity Estimating

441	8" Dia HV888A, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
442	8" Dia HV888B, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
443	8" Dia HV888E, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
444	8" Dia Check Valve3585-1	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
445	8" Dia Check Valve3585-2	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
446	8" Dia Check Valve3585-3	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
447	8" Dia Check Valve3585-4	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
448	8" Dia Check Valve3585-5	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
449	8" Dia Check Valve3585-6	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
450	8" Dia Check Valve3585-7	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
451	8" Dia Check Valve3585-8	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
452	8" Dia Check Valve3585-9	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
453	8" Dia Check Valve3585-10	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
454	8" Dia Check Valve3585-11	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
455	8" Dia Check Valve3585-12	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
456	10" Dia Check Valve-3885A, 10" Dia BCheck Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
457	10" Dia Check Valve-3885B, 10" Dia BCheck Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
458	10" Dia Check Valve6085S, 10" Dia PV	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
459	10" Dia FV3473-1, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
460	10" Dia FV3473-2, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
461	10" Dia FV3473-3, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
462	10" Dia FV3473-4, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
463	10" Dia FV3473-5, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
464	10" Dia FV3473-6, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
465	10" Dia FV3473-7, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
466	10" Dia FV3473-8, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
467	10" Dia FV3473-9, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
468	10" Dia FV3473-10, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
469	10" Dia FV3473-11, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
470	10" Dia FV3473-12, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
471	10" Dia FV3475-1, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
472	10" Dia FV3475-2, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
473	10" Dia FV3475-3, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
474	10" Dia FV3475-4, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
475	10" Dia FV3475-5, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
476	10" Dia FV3475-6, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225

Veracity Estimating

477	10" Dia FV3475-7, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
478	10" Dia FV3475-8, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
479	10" Dia FV3475-9, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
480	10" Dia FV3475-10, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
481	10" Dia FV3475-11, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
482	10" Dia FV3475-12, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
483	10" Dia FV3561-1, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
484	10" Dia FV3561-2, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
485	10" Dia FV3561-3, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
486	10" Dia FV3561-4, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
487	10" Dia FV3561-5, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
488	10" Dia FV3561-6, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
489	10" Dia FV3561-7, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
490	10" Dia FV3561-8, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
491	10" Dia FV3561-9, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
492	10" Dia FV3561-10, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
493	10" Dia FV3561-11, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
494	10" Dia FV3561-12, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
495	10" Dia FV3860A, 10" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
496	10" Dia FV3860B, 10" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
497	10" Dia FV3860C, 10" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
498	10" Dia FV3880A, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
499	10" Dia FV3880B, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
500	10" Dia FV8170, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
501	10" Dia FV8870A, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
502	10" Dia FV8870B, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
503	10" Dia HV3581-1, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
504	10" Dia HV3581-2, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
505	10" Dia HV3581-3, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
506	10" Dia HV3581-4, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
507	10" Dia HV3581-5, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
508	10" Dia HV3581-6, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
509	10" Dia HV3581-7, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
510	10" Dia HV3581-8, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
511	10" Dia HV3581-9, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
512	10" Dia HV3581-10, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225

Veracity Estimating

513	10" Dia HV3581-11, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
514	10" Dia HV3581-12, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
515	10" Dia HV3876, 10" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
516	10" Dia HV7580A, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
517	10" Dia HV7580B, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
518	10" Dia HV8140A, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
519	10" Dia HV8164, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
520	10" Dia HV8188A, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
521	10" Dia HV8188C, 8" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
522	10" Dia HV8870, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
523	10" Dia HV8870A, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
524	10" Dia HV8870B, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
525	10" Dia HV8870C, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
526	10" Dia HV8884A, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
527	10" Dia HV8884B, 10" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 225	$ 225
528	12" Dia Check Valve8585-A, 12" Dia Check Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
529	12" Dia Check Valve8585-B, 12" Dia Check Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
530	12" Dia Check Valve8585-C, 12" Dia Check Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
531	12" Dia Check Valve8585-D, 12" Dia Check Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
532	12" Dia Check Valve8585-E, 12" Dia Check Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
533	12" Dia Check Valve8585-F, 12" Dia Check Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
534	12" Dia Check Valve8585-G, 12" Dia Check Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
535	12" Dia FCheck Valve8563A, 12" Dia BFV	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
536	12" Dia FCheck Valve8563B, 12" Dia BFV	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
537	12" Dia FCheck Valve8563C, 12" Dia BFV	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
538	12" Dia FCheck Valve8563D, 12" Dia BFV	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
539	12" Dia FCheck Valve8563E, 12" Dia BFV	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
540	12" Dia FCheck Valve8563F, 12" Dia BFV	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
541	12" Dia FCheck Valve8563G, 12" Dia BFV	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
542	12" Dia FV3861-1, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
543	12" Dia FV3861-2, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
544	12" Dia FV3861-3, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
545	12" Dia FV3861-4, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
546	12" Dia FV3861-5, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
547	12" Dia FV3861-6, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
548	12" Dia FV3861-7, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255

Veracity Estimating

549	12" Dia FV3861-8, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
550	12" Dia FV3861-9, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
551	12" Dia FV3861-10, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
552	12" Dia FV3861-11, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
553	12" Dia FV3861-12, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
554	12" Dia FV3861A, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
555	12" Dia FV3861C, 12" Dia Plug Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
556	12" Dia HV8580-A, 12" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
557	12" Dia HV8580-B, 12" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
558	12" Dia HV8580-C, 12" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
559	12" Dia HV8580-D, 12" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
560	12" Dia HV8580-E, 12" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
561	12" Dia HV8580-F, 12" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
562	12" Dia HV8580-G, 12" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	3	$ 255	$ 255
563	24" Dia HV8580-H, 24" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	6	$ 480	$ 480
564	24" Dia HV8580-I, 24" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	6	$ 480	$ 480
565	24" Dia HV8580-J, 24" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	6	$ 480	$ 480
566	24" Dia HV8580-K, 24" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	6	$ 480	$ 480
567	24" Dia HV8580-L, 24" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	6	$ 480	$ 480
568	24" Dia HV8580-M, 24" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	6	$ 480	$ 480
569	24" Dia HV8580-N, 24" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	6	$ 480	$ 480
570	24" Dia HV8580-O, 24" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	6	$ 480	$ 480
571	FV21-1413	1	0%	1	EA		$ -	$ 75	6	$ 480	$ 480
572	FV21-1414	1	0%	1	EA		$ -	$ 75	6	$ 480	$ 480
573	FV29, 2103, 36" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	8	$ 630	$ 630
574	FV29-1403, 48" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	12	$ 915	$ 915
575	FV29-1404, 48" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	12	$ 915	$ 915
576	FV29-1503, 48" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	12	$ 915	$ 915
577	FV29-1504, 48" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	12	$ 915	$ 915
578	FV29-1703, 48" Dia Butterfly Valve, Motorized Valve Operated	1	0%	1	EA		$ -	$ 75	12	$ 915	$ 915
579	FV29-1903, 8" Dia PV, Motorized Valve Operated	1	0%	1	EA		$ -	$ 75	3	$ 195	$ 195
580	FV29-1904, 18" Dia PV, Motorized Valve Operated	1	0%	1	EA		$ -	$ 75	4	$ 315	$ 315
581	FV29-2001, 6" Dia Butterfly Valve, Motorized Valve Operated	1	0%	1	EA		$ -	$ 75	2	$ 165	$ 165
582	FV29-2002, 6" Dia Butterfly Valve, Motorized Valve Operated	1	0%	1	EA		$ -	$ 75	2	$ 165	$ 165
583	FV40-6165, 4" Dia Butterfly Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
584	FV81-1201, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120

Veracity Estimating

585	FV81-1202, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
586	FV81-1302, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
587	FV82-1201, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
588	FV82-1202, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
589	FV82-1301, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
590	FV82-1302, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
591	FV84-1101, 2" Dia Drain Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
592	FV84-1102, 2" Dia Drain Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
593	FV87-1201, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
594	FV87-1202, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
595	FV87-1203, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
596	FV87-1301, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
597	FV87-1302, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
598	FV87-1303, 3" Dia Ball Valve	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
599	FV94-1303, 2" Dia Solenoid Valve	1	0%	1	EA		$ -	$ 75	2	$ 135	$ 135
600	FV20-1023	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
601	FV21-1902	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
602	FV21-1904	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
603	FV21-1415	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
604	FV21-1416	1	0%	1	EA		$ -	$ 75	2	$ 120	$ 120
CYLINDER VALVE											
1	24" FV10-501 Hydraulic Cylinder Valve Actuator	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
2	24" FV10-401 Hydraulic Cylinder Valve Actuator	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
3	24" FV10-301 Hydraulic Cylinder Valve Actuator	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
4	24" FV10-201 Hydraulic Cylinder Valve Actuator	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
PRESSURE INDICATOR											
1	1/2" Dia PI-8140B	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
2	1/2" Dia PI-8840A	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
3	1/2" Dia PI-8840B	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
4	1/2" Dia PI-8140A	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
5	1/2" Dia PI-3841A	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
6	1/2" Dia PI-3841B	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
7	PI/PSL, 21-1202	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
8	PI/PSL, 21-1204	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38

Veracity Estimating

9	PI/PSL, 21-1203	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
10	PI/PSL, 21-1201	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
11	PI, 21-1404	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
12	PI, 21-1403	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
13	PI, 21-1406	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
14	PI/PSL, 21-1206	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
15	PI, 21-1405	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
16	PI/PSL, 21-1205	1	0%	1	EA		$ -	$ 75	1	$ 38	$ 38
KNIFE GATE VALVE												
1	6" Dia Waffer Type KGV	1	0%	1	EA		$ -	$ 75	2	$ 165	$ 165
2	10" Knife Gate Valve	2	0%	2	EA		$ -	$ 75	6	$ 450	$ 450
3	13"x13" Knife Gate Valve	4	0%	4	EA		$ -	$ 75	16	$ 1,200	$ 1,200
HOSE												
1	1/2" Dia Reinforced Thermoplastic Hose	2	10%	2	FT		$ -	$ 75	0.2	$ 17	$ 17
2	3/4" Dia Reinforced Thermoplastic Hose	14	10%	16	FT		$ -	$ 75	2	$ 117	$ 117
3	1-1/2" Dia Reinforced Thermoplastic Hose	19	10%	21	FT		$ -	$ 75	2	$ 157	$ 157
HOPPER AND GATE												
1	T21-2402, Grit Hopper No 2	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
2	T20-4003, Influent Screenings Hopper No 3	1	0%	1	EA		$ -	$ 75	12	$ 900	$ 900
3	G21-2602, Grit Hopper No 2 Gate	1	0%	1	EA		$ -	$ 75	12	$ 900	$ 900
4	G20-4203, Influent Screening Hopper No 3 Gate	1	0%	1	EA		$ -	$ 75	12	$ 900	$ 900
ADAPTER												
1	3/4" Dia PVC Spigot To BARB Adapter	2	0%	2	EA		$ -	$ 75	1	$ 60	$ 60
2	1-1/2" Dia PVC Spigot To BARB Adapter	2	0%	2	EA		$ -	$ 75	2	$ 120	$ 120
PRESSURE ELEMENT												
1	PE/LIT 8126, 1-1/2" Dia Pressure Element Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
2	PE/LIT 8826A, 1-1/2" Dia Pressure Element Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
3	PE/LIT 8826B, 1-1/2" Dia Pressure Element Transmitter	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
4	LIT, 29-1904	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
5	LIT, 29-1903	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90

Veracity Estimating

TURBIDITY METER											
1	AIT, 3537-1, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
2	AIT, 3537-2, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
3	AIT, 3537-3, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
4	AIT, 3537-4, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
5	AIT, 3537-5, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
6	AIT, 3537-6, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
7	AIT, 3537-7, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
8	AIT, 3537-8, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
9	AIT, 3537-9, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
10	AIT, 3537-10, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
11	AIT, 3537-11, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
12	AIT, 3537-12, Turbidity Meter	1	0%	1	EA		$ -	$ 75	2	$ 131	$ 131
FABRICATED STAINLESS-STEEL SLIDE GATE SCHEDULE											
1	G10-001, Description RUSSELL BRANCH DIVERSION STRUCTURE, 56 ft Width, 55 ft Height, 22.5 Seating.	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
2	G10-002, Description RUSSELL BRANCH DIVERSION STRUCTURE, 56 ft Width, 55 ft Height, 22.5 Seating.	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
3	G10-003, Description SPLITTER GRINDER BOX, 55 ft Width, 54 ft Height, 15 Seating.	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
4	G10-004, Description SPLITTER GRINDER BOX, 55 ft Width, 54 ft Height, 15 Seating.	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
5	G10-006, Description ISPS DUMP PAD, 1 ft Width, 1 ft Height, 2.5 Seating.	1	0%	1	EA		$ -	$ 75	4	$ 300	$ 300
6	G20-1204, Description COARSE SCREEN CHANNEL NO. 4 INFLUENT, 3 ft Width, 7 ft Height, 4.3 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
7	G20-1205, Description COARSE SCREEN CHANNEL NO. 5 INFLUENT, 3 ft Width, 7 ft Height, 4.3 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
8	G20-2304, Description COARSE SCREEN CHANNEL NO. 4 EFFLUENT, 3 ft Width, 5.5 ft Height, 3.1 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
9	G20-2305, Description COARSE SCREEN CHANNEL NO. 5 EFFLUENT, 3 ft Width, 5.5 ft Height, 3.1 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
10	G21-1003, Description GRIT CHAMBER NO. 3 INFLUENT, 4 ft Width, 5.5 ft Height, 3.1 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450

Veracity Estimating

11	G21-1503, Description GRIT CHAMBER NO. 3 EFFLUENT, 4 ft Width, 3.5 ft Height, 1.5 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
12	G22-1101, Description SPLITTER BOX TO PC NO. 1, 6.5 ft Width, 4 ft Height, 11 Seating.	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
13	G22-1102, Description SPLITTER BOX TO PC NO. 2, 6.5 ft Width, 4 ft Height, 15 Seating.	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
14	G22-1103, Description SPLITTER BOX TO PC NO. 3, 6.5 ft Width, 4 ft Height, 17 Seating.	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
15	G22-1104, Description SPLITTER BOX TO PC NO. 4, 6.5 ft Width, 4 ft Height, 17 Seating.	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
16	G22-1105, Description SPLITTER BOX TO PC NO. 5, 6.5 ft Width, 4 ft Height, 17 Seating.	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
17	FG31-6031, Description BRB1 ZONE 8 SWAS BOX, 3 ft Width, 3 ft Height, 3.5 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
18	FG31-6032, Description BRB1 ZONE 8 SWAS BOX, 3 ft Width, 3 ft Height, 3.5 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
19	FG31-6033, Description BRB1 ZONE 8 SWAS BOX, 3 ft Width, 3 ft Height, 3.5 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
20	G27-1804, Description PEO CHAMBER WEIR GATE, 6 ft Width, 3 ft Height, 3.5 Seating.	1	0%	1	EA		$ -	$ 75	8	$ 600	$ 600
21	G20-4203, Description INFLUENT SCREENINGS HOPPER NO. 3, Shall be provided as part of the steel hopper assembly in accordance with Section 13212, Steel Storage Hoppers.	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
22	G21-2602, Description GRIT HOPPER NO. 2, Shall be provided as part of the steel hopper assembly in accordance with Section 13212, Steel Storage Hoppers.	1	0%	1	EA		$ -	$ 75	24	$ 1,800	$ 1,800
23	FV-3470-1, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
24	FV-3470-2, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
25	FV-3470-3, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
26	FV-3470-4, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
27	FV-3470-5, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
28	FV-3470-6, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450

Veracity Estimating

29	FV-3470-7, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
30	FV-3470-8, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
31	FV-3470-9, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
32	FV-3470-10, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
33	FV-3470-11, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
34	FV-3470-12, Description MEMBRANE TANK INLET GATE, 3 ft Width, 4.5 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
35	FG31-4801, Description MBR MIXED LIQUOR CHANNEL, 3.5 ft Width, 4 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
36	FG30-4802, Description MBR MIXED LIQUOR CHANNEL, 3.5 ft Width, 4 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
37	FG31-4812, Description MBR RAS GATE, 3.5 ft Width, 4 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
38	FG31-4811, Description MBR RAS GATE, 3.5 ft Width, 4 ft Height, 20 Seating.	1	0%	1	EA		$ -	$ 75	6	$ 450	$ 450
MISC											
1	1" FV31-7031	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
2	1" FV31-7032	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
3	1" FV31-7033	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
4	LE 84-1001	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
5	LE 84-1002	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
6	LE 87-1003	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
7	30" Dia Pipe Flare	1	0%	1	EA		$ -	$ 75	3	$ 240	$ 240
8	48" Dia MJ Plug	2	0%	2	EA		$ -	$ 75	9	$ 660	$ 660
9	Fiberglass Overflow	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
PVC COUPLING											
1	1/2" Dia	18	0%	18	EA		$ -	$ 75	4	$ 270	$ 270
2	3/4" Dia	48	0%	48	EA		$ -	$ 75	12	$ 864	$ 864
3	1" Dia	100	0%	100	EA		$ -	$ 75	28	$ 2,100	$ 2,100
4	1-1/4" Dia	2	0%	2	EA		$ -	$ 75	1	$ 45	$ 45

Veracity Estimating

5	1-1/2" Dia	56	0%	56	EA		$ -	$ 75	19	$ 1,428	$ 1,428
6	2" Dia	27	0%	27	EA		$ -	$ 75	10	$ 770	$ 770
7	2-1/2" Dia	42	0%	42	EA		$ -	$ 75	22	$ 1,638	$ 1,638
8	3" Dia	65	0%	65	EA		$ -	$ 75	39	$ 2,925	$ 2,925
9	4" Dia	52	0%	52	EA		$ -	$ 75	38	$ 2,886	$ 2,886
10	6" Dia	20	0%	20	EA		$ -	$ 75	24	$ 1,830	$ 1,830
11	8" Dia	6	0%	6	EA		$ -	$ 75	12	$ 891	$ 891
12	10" Dia	5	0%	5	EA		$ -	$ 75	11	$ 810	$ 810
13	12" Dia	1	0%	1	EA		$ -	$ 75	2	$ 183	$ 183
14	14" Dia	2	0%	2	EA		$ -	$ 75	5	$ 396	$ 396
15	16" Dia	1	0%	1	EA		$ -	$ 75	3	$ 216	$ 216
16	20" Dia	3	0%	3	EA		$ -	$ 75	9	$ 680	$ 680
17	30" Dia	7	0%	7	EA		$ -	$ 75	32	$ 2,436	$ 2,436
18	36" Dia	4	0%	4	EA		$ -	$ 75	22	$ 1,638	$ 1,638
PIPE SUPPORT											
1	1/2" Dia Coupling Type 1 Style 231 S	21	0%	21	EA		$ -	$ 75	11	$ 788	$ 788
2	3/4" Dia Coupling Type 1 Style 231 S	50	0%	50	EA		$ -	$ 75	25	$ 1,875	$ 1,875
3	1" Dia Coupling Type 1 Style 231 S	101	0%	101	EA		$ -	$ 75	51	$ 3,788	$ 3,788
4	1-1/4" Dia Coupling Type 1 Style 231 S	2	0%	2	EA		$ -	$ 75	1	$ 75	$ 75
5	1-1/2" Dia Coupling Type 1 Style 231 S	56	0%	56	EA		$ -	$ 75	28	$ 2,100	$ 2,100
6	2" Dia Coupling Type 1 Style 231 S	28	0%	28	EA		$ -	$ 75	14	$ 1,050	$ 1,050
7	2-1/2" Dia Coupling Type 1 Style 231 S	42	0%	42	EA		$ -	$ 75	21	$ 1,575	$ 1,575
8	3" Dia Coupling Type 1 Style 231 S	90	0%	90	EA		$ -	$ 75	54	$ 4,050	$ 4,050
9	4" Dia Coupling Type 1 Style 231 S	107	0%	107	EA		$ -	$ 75	75	$ 5,618	$ 5,618
10	6" Dia Coupling Type 1 Style 231 S	30	0%	30	EA		$ -	$ 75	24	$ 1,800	$ 1,800
11	8" Dia Coupling Type 1 Style 231 S	42	0%	42	EA		$ -	$ 75	42	$ 3,150	$ 3,150
12	10" Dia Coupling Type 1 Style 231 S	5	0%	5	EA		$ -	$ 75	5	$ 375	$ 375
13	12" Dia Coupling Type 1 Style 231 S	1	0%	1	EA		$ -	$ 75	1	$ 90	$ 90
14	14" Dia Coupling Type 1 Style 231 S	2	0%	2	EA		$ -	$ 75	3	$ 210	$ 210
15	16" Dia Coupling Type 1 Style 231 S	2	0%	2	EA		$ -	$ 75	3	$ 240	$ 240
16	18" Dia Coupling Type 1 Style 231 S	2	0%	2	EA		$ -	$ 75	4	$ 300	$ 300
17	20" Dia Coupling Type 1 Style 231 S	3	0%	3	EA		$ -	$ 75	7	$ 518	$ 518
18	30" Dia Coupling Type 2 Style 231 S	7	0%	7	EA		$ -	$ 75	32	$ 2,415	$ 2,415
19	36" Dia Coupling Type 2 Style 231 S	4	0%	4	EA		$ -	$ 75	23	$ 1,740	$ 1,740
20	3/8" Dia Full Threaded Rod	258	0%	258	EA		$ -	$ 75	26	$ 1,935	$ 1,935

Veracity Estimating

21	1/2" Dia Full Threaded Rod	269	0%	269	EA		$ -	$	75	27	$ 2,018	$ 2,018
22	5/8 Dia Full Threaded Rod	80	0%	80	EA		$ -	$	75	8	$ 600	$ 600
23	1" Dia Full Threaded Rod	18	0%	18	EA		$ -	$	75	4	$ 270	$ 270
										TOTAL MATERIAL COST	**$**	**-**
										TOTAL MANHOURS' COST	**$**	**890,120**
										TOTAL COST	**$**	**890,120**
										OVERHEADS & PROFIT **25%**	**$**	**222,530**
										TOTAL BID	**$**	**1,112,650**

SCOPE:

1	Demolition Work
2	Suction Pipe W/Fitting
3	Vent Pipe W/ Fittings
4	Sample Pipe W/Fitting
5	Flex Hose Pipe W/Fitting
6	TC Pipe W/Fitting
7	Primary Scum Pipe W/Fitting
8	Primary Sludge Pipe W/Fitting
9	Polymer Solution Pipe W/Fitting
10	W3 Plant Effluent Pipe W/Fitting
11	Dewatering Centrate Pipe W/Fitting
12	Air Low Pressure Pipe W/Fitting
13	Waste Activated Pipe W/Fitting
14	Thickened Waste Activated Pipe W/Fitting
15	Ordorous Air Pipe W/Fitting
16	Cooling Water Pipe W/Fitting
17	Hydraulic Pipe W/Fitting
18	FCA Pipe W/Fitting
19	Emergency Overflow Pipe W/Fitting
20	Recirculation Pipe W/Fitting
21	Plant Drain Pipe W/Fitting
22	Sump Pump Drain Pipe W/Fitting
23	Aluminum / Nitrate Rich Recycle Pipe W/Fitting
24	PE Pipe W/Fitting
25	Digested Sludge Pipe W/Fitting
26	Sodium Hyphochloride Pipe W/Fitting

Veracity Estimating

27	Primary Influent Pipe W/Fitting
28	Grit Slury Pipe W/Fitting
29	NAOH Pipe W/Fitting
30	Aluminum Sulfate Pipe W/Fitting
31	Raw Sewage Pipe W/Fitting
32	Septage Pipe W/Fitting
33	Air Pipe Pipe W/Fitting
34	Screened Primaryu Effluent Pipe W/Fitting
35	Equalized Influent & Enfluent Pipe W/Fitting
36	Overflow Pipe W/Fitting
37	Citric Acid2 Pipe W/Fitting
38	Scruber Recirculation Pipe W/Fitting
39	Membrene Permeate Pipe W/Fitting
40	Alum Fill Pipe W/Fitting
41	Flow Meter
42	Actuator
43	Pumps
44	Air Compressor
45	Tank
46	Immersion Heater
47	Heat Exchanger
48	TWAS Hopper
49	Cake Storrage Hopper
50	Processs Air Blower
51	Pressure Gauge
52	Slide Gate
53	Transmitter
54	Sensor
55	Flow Switch
56	Membrene Chanel
57	Coupling
58	Flange
59	Silencer
60	Union
61	Valve
62	Pressure Indicator

Veracity Estimating

63	Knife Gate Valve
64	Turbity Meter
65	Misc.
66	PVC Coupling
67	Pipe Insulation
68	Pipe Support

Veracity Estimating