

**REBAR ESTIMATION
COVER SHEET**

PROJECT NAME : FOREST TRAILS WWTP
PROJECT NUMBER : -
BID DATE : 01-31-2022
LOCATION : -

ESTIMATOR : KRS
CREATED : 01-31-2022
MODIFIED : -
REVISION NUMBER : 0
REBAR GRADE : ASTM A615-GRADE 60 (UNCOATED)

ELEMENTS		Bar Weight in "Lbs"
BUILDING		
	MAT SLAB & DOWELS	288,965.19
	MAT SLAB (THREADED BAR)	842.11
	GRADE BEAM & DOWELS	66,231.83
	CONCRETE WALL	417,455.96
	CONCRETE WALL (THREADED BAR)	2,839.23
	CONCRETE COLUMN	165.79
	CONCRETE BEAM	3,655.08
	SLAB ON GRADE	22,418.46
	CONCRETE SLAB	26,397.64
	TOPPING SLAB	7,558.03
	MASONRY WALL	9,157.32
SITWORK		
	GENERATOR PAD	1,578.59
	Total Weight in "Lbs"	847,265.21
	Total Weight in "Tons"	423.63
ADDENDUM:	NONE	
SPECIFICATION:	SEEN	
DRAWINGS :	STRUCTURAL : S001 TO S123 (08/18/21), ARCH. : A001 TO A702 (08/18/21), CIVIL : C100 TO C110 (08/18/21), ELECTRICAL : E003, E101 (08/18/21)	
ASSUMPTIONS:	1. #6 @ 12" EACHWAY TOP & BOTTOM ASSUMED TO 28" THK TANK SLAB IN SHEET S101. 2. REINFORCEMENT TO CONCRETE WALL MARK CW20-2 FOLLOWED PER MARK CW20-1. 3. #4 @ 10" EACHWAY REINF. FOLLOWED AT MID DEPTH OF SLAB ONLY TO 2 1/2" THK TOPPING SLAB IN SLAB NOTE #4 AT 8/S122 (INSTEAD OF TOP & BOTTOM REINF.) 4. #5 @ 48" VERTICALS ASSUMED TO MASONRY WALL.	
INCLUSIONS:	BUILDING : MAT SLAB, GRADE BEAM, CONCRETE WALL, CONCRETE COLUMN, CONCRETE BEAM, SLAB ON GRADE, CONCRETE SLAB, TOPPING SLAB & MASONRY WALL. SITWORK : GENERATOR PAD	
EXCLUSIONS:	1. OTHER ITEMS NOT MENTIONED IN SCOPE INCLUSIONS & ELEMENTS ESTIMATED 2. PILES IN SHEET S003 (NOT IN SCOPE)	
NOTES:		
OTHER EXCLUSIONS:	REBAR:	Galvanized Rebars, stainless steel, or fiberglass Reinforcing; Grade 75 reinforcing, ASTM A706 (weldable) reinforcing, ASTM A934 epoxy coat after fabrication, added bars at openings not shown on structural drawings, spirals and spacers, precast reinforcing
	ACCESSORIES:	Concrete brick and/or accessories to support reinforcing bars and/or mesh on grade; rebar and/or accessories used as vertical wall spacers; all accessories associated with post tensioning; reinforcing steel and/or mesh for mud mats.
	OTHERS:	Dowel bar splicer sets (DB/DI), mechanical couplers, threaded reinforcing, tie rods, metal tags, tie wire, couplers welded to structural members, construction joint/expansion joint dowels, diamond dowels, rebar protection caps, and any items not specifically included.

WEIGHT & ACCESSORIES REPORT

TOTAL WEIGHT BY BAR SIZE (BLACK - UNCOATED)

BAR SIZE	WEIGHT
#3	60.67
#4	59,357.06
#5	48,368.56
#6	304,091.34
#7	204,764.66
#8	82,106.13
#9	119,934.47
#10	28,582.32
Total Weight (Lbs)	847,265.21

TOTAL WEIGHT BY BEND TYPE (BLACK - UNCOATED)

BAR DIA/BEND TYPE	HB	LB	SL	ST	TOTAL
#3	0.00	60.67	0.00	0.00	60.67
#4	3,609.40	11,001.14	44,488.80	257.72	59,357.06
#5	23,852.90	0.00	18,899.16	5,616.50	48,368.56
#6	80,316.59	0.00	213,854.76	9,919.99	304,091.34
#7	22,287.10	0.00	25,100.32	157,377.25	204,764.66
#8	58,678.03	0.00	0.00	23,428.10	82,106.13
#9	97,910.86	0.00	7,072.00	14,951.61	119,934.47
#10	28,582.32	0.00	0.00	0.00	28,582.32
				Total Weight (Lbs)	847,265.21

ACCESSORIES DETAILS

TYPE	SIZE	QUANTITY	REMARKS
CHCU	1"	1250 LFT	SLAB ON GRADE TOP SUPPORT
CHCU	4"	350 LFT	SLAB ON GRADE TOP SUPPORT
CHCU	4"	720 LFT	CONCRETE SLAB TOP SUPPORT
BEAM BOLSTERS	1 1/2"	260 LFT	BEAM BOTTOM SUPPORT
SLAB BOLSTERS	1"	1700 LFT	CONCRETE SLAB BOTTOM SUPPORT
SLAB BOLSTERS	1"	980 LFT	TOPPING SLAB BOTTOM SUPPORT

THREADED BARS DETAIL

TYPE	SIZE	QUANTITY	REMARK
THREADED AT ONE END	#4	70	BAR LENGTH = 2'-1" (AT EXISTING STRUCTURE - REF: 9/S004)
THREADED AT ONE END	#5	10	BAR LENGTH = 3'-4" (AT EXISTING STRUCTURE - REF: 9/S004)
THREADED AT ONE END	#6	382	BAR LENGTH = 4'-0" (AT EXISTING STRUCTURE - REF: 9/S004)
THREADED AT ONE END	#6	70	BAR LENGTH = 3'-1" (AT EXISTING STRUCTURE - REF: 9/S004)
THREADED AT ONE END	#7	78	BAR LENGTH = 5'-10" (AT EXISTING STRUCTURE - REF: 9/S004)

**ESTIMATED WEIGHT SUMMARY
FOREST TRAILS WWTP**

Project No: -

Bid Date: 01-31-2022

A. Estimated Weight Summary By Element

1. Mat Slab & Dowels

CODE	105
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Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	SL	ST	Grand Total
4	2554.12	14562.40		17116.52
5	71.95		2324.93	2396.88
6	800.99	71495.20		72296.19
7	65.41		8686.74	8752.15
8	58678.03		10165.62	68843.65
9	90977.47			90977.47
10	28582.32			28582.32
Grand Total	181730.29	86057.60	21177.29	288965.19

2. Mat Slab (Threaded Bar)

CODE	105a
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Sum of WEIGHT 'LBS'	BEND TYPE	
BAR SIZE	ST	Grand Total
4	97.40	97.40
6	744.71	744.71
Grand Total	842.11	842.11

3. Grade Beam & Dowels

CODE	106
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Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
4		8278.48			8278.48
5	6450.73				6450.73
6	2680.86				2680.86
7	19826.80			543.70	20370.50
9	6933.39		7072.00	14445.87	28451.25
Grand Total	35891.78	8278.48	7072.00	14989.57	66231.83

4. Concrete Wall

CODE	110
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Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
4		1048.32			1048.32
5	16120.30		5173.28	589.89	21883.48
6	75187.22		140467.04	4272.30	219926.55
7	2311.76		18968.32	141208.49	162488.58
8				12109.04	12109.04
Grand Total	93619.28	1048.32	164608.64	158179.72	417455.96

5. Concrete Wall (Threaded Bar)

CODE	110a
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Sum of WEIGHT 'LBS'	BEND TYPE	
BAR SIZE	ST	Grand Total
5	34.76	34.76
6	1874.50	1874.50
7	929.97	929.97
Grand Total	2839.23	2839.23

**ESTIMATED WEIGHT SUMMARY
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6. Concrete Column

CODE	111
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Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	HB	LB	Grand Total
4		82.67	82.67
7	83.13		83.13
Grand Total	83.13	82.67	165.79

7. Concrete Beam

CODE	113
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Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	LB	ST	Grand Total
3	60.67		60.67
4	1591.68		1591.68
5		58.41	58.41
7		285.14	285.14
8		1153.44	1153.44
9		505.75	505.75
Grand Total	1652.34	2002.73	3655.08

8. Slab On Grade

CODE	120
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Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	SL	ST	Grand Total
4		16499.60		16499.60
5	135.58			135.58
6	60.08			60.08
7			5723.20	5723.20
Grand Total	195.66	16499.60	5723.20	22418.46

9. Concrete Slab

CODE	140
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Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	SL	ST	Grand Total
4	975.12	6012.00		6987.12
5	584.40	11160.10	432.85	12177.34
6	1101.17			1101.17
7		6132.00		6132.00
Grand Total	2660.69	23304.10	432.85	26397.64

10. Topping Slab

CODE	172
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Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	HB	SL	Grand Total
4		7214.40	7214.40
5	145.75		145.75
6	197.89		197.89
Grand Total	343.63	7214.40	7558.03

**ESTIMATED WEIGHT SUMMARY
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11. Masonry Wall

CODE	190
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Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	SL	ST	Grand Total
4	80.16	200.40	160.32	440.88
5	344.19	2565.78	2175.67	5085.64
6	288.38	1171.56	2170.86	3630.80
Grand Total	712.73	3937.74	4506.85	9157.32

Sitework

12. Generator Pad

CODE	201
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Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	SL	ST	Grand Total
6	720.96	857.63	1578.59
Grand Total	720.96	857.63	1578.59

B. Estimated Weight Summary Total

CODE	(All)
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Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
3		60.67			60.67
4	3609.40	11001.14	44488.80	257.72	59357.06
5	23852.90		18899.16	5616.50	48368.56
6	80316.59		213854.76	9919.99	304091.34
7	22287.10		25100.32	157377.25	204764.66
8	58678.03			23428.10	82106.13
9	97910.86		7072.00	14951.61	119934.47
10	28582.32				28582.32
Grand Total	315237.19	11061.80	309415.04	211551.17	847265.21

**ESTIMATED TAKEOFF
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LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1		BUILDING							
2		REF:S101 TO S105							
3		MAT SLAB							
4	105	REF:S101		1140	6	20.00	SL	#6 @12" EW BOT.	34245.60
5	105	28" THK		1240	6	20.00	SL	#6 @12" EW TOP	37249.60
6	105			620	4	6.17	HB	#4 STANDEE	2554.12
7									
8	105	REF:S120		1090	4	20.00	SL	#4 @12" EW BOT.	14562.40
9									
10		THREADED BAR							
11	105a	REF:9/S004		70	6	4.00	ST	#6 @12" DWL. TOP THREADED	420.56
12	105a			70	6	3.08	ST	#6 @12" DWL. BOT. THREADED	324.15
13	105a			70	4	2.08	ST	#4 @12" DWL. BOT. THREADED	97.40
14									
15		GRADE BEAM							
16		REF:1/S122							
17	106	GB-1	3	6	9	40.00	SL	6-#9 CONT. BOT.	2448.00
18	106	28"X34"		6	9	200.50	ST	6-#9 CONT. BOT.	4090.14
19	106		3	6	9	40.00	SL	6-#9 CONT. TOP	2448.00
20	106			6	9	216.25	ST	6-#9 CONT. TOP	4411.44
21	106		6	6	9	11.67	HB	6-#9 COR. BOT.	1427.92
22	106		6	6	9	15.17	HB	6-#9 COR. TOP	1856.32
23	106			545	4	9.75	LB	#4 @6" STIRR.	3548.13
24									
25	106	GB-2	2	4	9	40.00	SL	4-#9 CONT. BOT.	1088.00
26	106	18"X34"		4	9	214.17	ST	4-#9 CONT. BOT.	2912.64
27	106		2	4	9	40.00	SL	4-#9 CONT. TOP	1088.00
28	106			4	9	222.92	ST	4-#9 CONT. TOP	3031.64
29	106		10	4	9	11.67	HB	4-#9 COR. BOT.	1586.58
30	106		10	4	9	15.17	HB	4-#9 COR. TOP	2062.58
31	106			810	4	8.08	LB	#4 @4" STIRR.	4371.93
32									
33	106	GB-3	2	7	7	19.00	ST	7-#7 CONT. T&B	543.70
34	106	50"X34"		40	4	13.41	LB	#4 @6" STIRR.	358.42
35									
36		CONCRETE WALL							
37		REF:S120							
38		CW10-1							
39	106	10" THK	2	132	5	7.17	HB	#5 @8" D/V EF	1973.17
40	106		2	280	5	7.67	HB	#5 @8" D/V EF	4477.56
41	110		2	63	5	20.00	SL	#5 @12" HORZ. EF	2628.36
42	110		6	5	5	15.67	HB	#5 @12" COR. OF	490.19
43	110		12	5	5	8.67	HB	#5 @12" COR. IF ES	542.32
44	110		18	5	5	9.17	HB	#5 @12" INT. EF	860.41
45	105			275	5	6.83	ST	#5 @12" ADD'L E	1959.88
46									
47		CW12-1							
48	106	12" THK	2	86	6	6.92	HB	#6 @7" DWL. EF	1786.71
49	110	REF:1/S111	2	86	6	9.00	ST	#6 @7" VERT. EF	2325.10
50	110		2	28	5	20.00	SL	#5 @8" HORZ. EF	1168.16

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LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
51	110			15	5	16.00	HB	#5 @8" COR. OF	250.32
52	110		2	15	5	8.83	HB	#5 @8" COR. IF ES	276.38
53	110		8	15	5	9.33	HB	#5 @8" INT. EF	1168.12
54									
55	106		2	38	6	7.83	HB	#6 @7" D/V EF	894.15
56	110		2	7	5	21.00	ST	#5 @8" HORZ. EF	306.64
57	110		4	7	5	6.67	HB	#5 COR & INT. EF	194.67
58									
59	105	REF:2/S110	2	40	6	6.67	HB	#6 @7" DWL. EF	800.99
60	110		2	40	6	14.00	ST	#6 @7" VERT. EF	1682.24
61	110		2	18	5	20.00	SL	#5 @8" HORZ. EF	750.96
62	110			15	5	16.00	HB	#5 @8" COR. OF	250.32
63	110		2	15	5	8.83	HB	#5 @8" COR. IF ES	276.38
64	110		8	15	5	9.33	HB	#5 @8" INT. EF	1168.12
65	105			50	5	7.00	ST	#5 @12" ADD'L E	365.05
66									
67		CW16-1							
68	105	16" THK	2	590	8	15.58	HB	#8 @7.5" DWL. EF	49095.80
69	110	REF:1/S113	2	590	7	12.33	ST	#7 @7.5" VERT. EF	29746.21
70	110		2	375	5	6.92	HB	#5 @12" DWL. EF @TOP	5410.82
71	110		2	605	6	20.00	SL	#6 @6" HORZ. EF	36348.40
72	110		32	47	6	12.67	HB	#6 @5" INT. EF	28612.60
73	105			375	7	11.33	ST	#7 @12" ADD'L E	8686.74
74									
75		CW16-2							
76	106	16" THK	2	250	7	10.00	HB	#7 @7" DWL. EF	10220.00
77	110	REF:S110	2	250	7	20.00	ST	#7 @7" VERT. EF	20440.00
78	110		2	320	6	20.00	SL	#6 @6" HORZ. EF	19225.60
79	110		2	41	6	10.67	HB	#6 @6" Z BAR. EF	1313.79
80	110			49	6	23.33	HB	#6 @5" COR. OF	1717.19
81	110		2	49	6	12.67	HB	#6 @5" COR. IF ES	1864.38
82									
83	106		2	235	7	10.00	HB	#7 @7" DWL. EF	9606.80
84	110		2	235	7	39.33	ST	#7 @7" VERT. EF	37786.43
85	110		2	376	6	20.00	SL	#6 @6" HORZ. EF	22590.08
86	110		4	81	6	23.33	HB	#6 @5" COR. OF	11354.47
87	110		8	81	6	12.67	HB	#6 @5" COR. IF ES	12327.77
88									
89		CW18-1							
90	105	18" THK	2	222	9	16.42	HB	#9 @7" DWL. EF	24781.59
91	110	REF:2/S110	2	222	7	12.33	ST	#7 @7" VERT. EF	11192.64
92	110		2	135	5	6.92	HB	#5 @12" DWL. EF @TOP	1947.90
93	110		2	240	6	20.00	SL	#6 @6" HORZ. EF	14419.20
94	110		8	58	6	12.67	HB	#6 @4" INT. EF	8827.29
95	105			135	8	13.50	ST	#8 @12" ADD'L E	4866.08
96									
97	105		2	245	9	16.42	HB	#9 @7" DWL. EF	27349.06
98	110		2	245	7	13.00	ST	#7 @7" VERT. EF	13020.28
99	110		2	305	6	20.00	SL	#6 @6" HORZ. EF	18324.40
100	110		6	61	6	12.67	HB	#6 @4" INT. EF	6962.91

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101	105			146	8	11.50	HB	#8 @12" ADD'L E	4482.93
102									
103	105		2	123	9	16.42	HB	#9 @7" DWL. EF	13730.34
104	110		2	123	7	32.33	ST	#7 @7" VERT. EF	16257.81
105	110		2	233	6	20.00	SL	#6 @6" HORZ. EF	13998.64
106	105			73	8	13.50	ST	#8 @12" ADD'L E	2631.29
107									
108		CW18-2							
109	105	18" THK	2	188	10	17.67	HB	#10 @6" DWL. EF	28582.32
110	110	REF:1/S112	2	188	7	12.33	ST	#7 @6" VERT. EF	9478.45
111	110			95	5	8.92	HB	#5 @12" DWL. @TOP	883.54
112	110			95	5	4.83	HB	#5 @12" DWL. @TOP	478.98
113	110		2	203	6	20.00	SL	#6 @6" HORZ. EF	12196.24
114	110		2	58	6	12.67	HB	#6 @4" INT. EF	2206.82
115	105			95	8	11.50	HB	#8 @12" ADD'L E	2916.98
116									
117		CW18-3							
118	105	18" THK	2	55	9	16.42	HB	#9 @7" DWL. EF	6139.58
119	110	REF:1/S114	2	55	7	12.33	ST	#7 @7" VERT. EF	2772.95
120	110		2	16	5	6.92	HB	#5 @12" DWL. EF @TOP	230.86
121	110		2	56	6	20.00	SL	#6 @6" HORZ. EF	3364.48
122	105			16	8	13.50	ST	#8 @12" ADD'L E	576.72
123	105			16	8	11.50	HB	#8 @12" ADD'L E	491.28
124									
125		CW20-1 & CW20-2							
126	105	20" THK	2	170	9	16.42	HB	#9 @7" DWL. EF	18976.90
127	110	REF:1/S110	2	170	8	12.33	ST	#8 @7" VERT. EF	11195.90
128	110		2	50	5	6.92	HB	#5 @12" DWL. EF @TOP	721.44
129	110			50	5	8.92	HB	#5 @12" DWL. @TOP	465.02
130	110			50	5	4.83	HB	#5 @12" DWL. @TOP	252.09
131	110		2	232	7	20.00	SL	#7 @6" HORZ. EF	18968.32
132	110		2	39	7	14.50	HB	#7 @6" INT. EF	2311.76
133	105			50	8	15.67	ST	#8 @12" ADD'L E	2091.54
134	105			50	8	12.67	HB	#8 @12" ADD'L E	1691.04
135									
136	105	CW8-1	2	6	5	5.75	HB	#5 @12" DWL. EF	71.95
137	110	REF:1/S113	2	6	5	9.50	ST	#5 @12" VERT. EF	118.90
138	110		2	11	5	11.00	HB	#5 @12" HORZ. EF	252.41
139									
140		BEAM							
141		REF: 1/S122							
142	110	L-4	2	2	7	10.33	ST	2-#7 T&B	84.48
143	110	14"X14"		11	4	5.42	LB	#4 @4" STIRR.	39.81
144									
145	110		2	2	7	21.00	ST	2-#7 T&B	171.70
146	110			44	4	5.42	LB	#4 @4" STIRR.	159.25
147									
148	110	L-5	2	3	7	21.00	ST	3-#7 T&B	257.54
149	110	14"X24"		44	4	7.08	LB	#4 @4" STIRR.	208.21
150									

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151	110	L-6	6	3	8	19.00	ST	3-#8 T&B	913.14
152	110	14"X32"	3	38	4	8.42	LB	#4 @4" STIRR.	641.05
153									
154		THREADED BAR							
155	110a	REF:9/S004	2	5	5	3.33	ST	#5 @12" DWL. EF THREADED	34.76
156	110a		8	39	6	4.00	ST	#6 @6" DWL. EF THREADED	1874.50
157	110a		2	39	7	5.83	ST	#7 @6" DWL. EF THREADED	929.97
158									
159		CONCRETE COLUMN							
160		REF: 2/S122							
161	105	C3 (1'-0"X1'-0")		4	7	8.00	HB	4-#7 DWL.	65.41
162	111			4	7	10.17	HB	4-#7 VERT.	83.13
163	111		2	13	4	3.75	LB	#4 @3" TIES T&B	65.13
164	111			7	4	3.75	LB	#4 @5" TIES	17.54
165									
166		CONCRETE BEAM							
167		REF: 1/S122							
168	113	CB-1		3	7	46.50	ST	3-#7 BOT.	285.14
169	113	12"X30"		3	9	49.58	ST	3-#9 TOP	505.75
170	113			130	4	6.75	LB	#4 @4" STIRR.	586.17
171									
172	113	CB-2		3	8	40.00	ST	3-#8 BOT.	320.40
173	113	18"X24"		3	8	40.00	ST	3-#8 TOP	320.40
174	113			123	4	6.75	LB	#4 @4" STIRR.	554.61
175									
176	113			3	8	32.00	ST	3-#8 BOT.	256.32
177	113			3	8	32.00	ST	3-#8 TOP	256.32
178	113			100	4	6.75	LB	#4 @4" STIRR.	450.90
179									
180	113	CB-3	2	2	5	14.00	ST	2-#5 T&B	58.41
181	113	12"X12"		44	3	3.67	LB	#3 @4" STIRR.	60.67
182									
183						260.00		1 1/2" BEAM BOLSTERS	
184									
185		SLAB ON GRADE							
186		REF:S101 & S122							
187	120	MARK 2		31	7	40.00	ST	#7 @14" SW BOT.	2534.56
188	120	12" THK SLAB		39	7	40.00	ST	#7 @11" SW TOP	3188.64
189	120		2	110	4	20.00	SL	#4 @9" LW T&B	2939.20
190						350.00		4" CHCU	
191		REF:S103 & S122							
192	120	MARK 3		215	4	20.00	SL	#4 @16" SW BOT.	2872.40
193	120	8" THK SLAB		340	4	20.00	SL	#4 @10" SW TOP	4542.40
194	120		2	230	4	20.00	SL	#4 @16" LW T&B	6145.60
195						1250.00		1" CHCU	
196									
197		CONCRETE SLAB							
198		REF:S104 & S122							
199	140	MARK 1		130	5	20.00	SL	#5 @11" SW BOT.	2711.80
200	140	14" THK SLAB		147	5	20.00	SL	#5 @10" SW TOP	3066.42

**ESTIMATED TAKEOFF
FOREST TRAILS WWTP**

Project No: -

Bid Date: 01-31-2022

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
201	140		2	90	4	20.00	SL	#4 @16" LW T&B	2404.80
202	140			128	4	5.33	HB	#4 STANDEE	455.99
203						520.00		1" SLAB BOLSTERS	
204									
205	140	MARK 2		33	7	40.00	SL	#7 @14" SW BOT.	2698.08
206	140	12" THK SLAB		42	7	40.00	SL	#7 @11" SW TOP	3433.92
207	140		2	105	4	20.00	SL	#4 @9" LW T&B	2805.60
208	140			88	4	5.00	HB	#4 STANDEE	293.98
209						350.00		1" SLAB BOLSTERS	
210									
211	140	MARK 3		12	4	20.00	SL	#4 @16" SW BOT.	160.32
212	140	8" THK SLAB		20	4	20.00	SL	#4 @10" SW TOP	267.20
213	140		2	14	4	20.00	SL	#4 @16" LW T&B	374.08
214	140	REF:S120		200	5	20.00	SL	#5 @12" LW	4172.00
215						720.00		1" SLAB BOLSTERS	
216						720.00		4" CHCU	
217									
218		AT WEIR & WALKWAY							
219	140	REF:3+4/S121	2	29	5	20.00	SL	#5 @12" LW T&B	1209.88
220	140	12" THK SLAB		83	5	5.00	ST	#5 @12" SW BOT.	432.85
221	140			83	6	8.83	HB	#6 @12" SW TOP	1101.17
222	140			44	4	5.00	HB	#4 STANDEE	146.99
223	140		3	6	4	6.50	HB	#4 @12" U BAR	78.16
224						110.00		1" SLAB BOLSTERS	
225		8" THK CONCRETE WALL							
226	140			82	5	6.83	HB	#5 @12" D/V	584.40
227	110			30	5	20.00	SL	#5 @12" HORZ.	625.80
228									
229		TOPPING SLAB							
230		REF:S104 & S122							
231		MARK 4							
232	172	2 1/2" THK SLAB		540	4	20.00	SL	#4 @10" EW	7214.40
233						980.00		1" SLAB BOLSTERS	
234									
235		MASONRY WALL							
236		FIRST FLOOR							
237		REF:S103, 1/S111							
238		8" MASONRY @INTERIOR							
239	120			15	5	4.33	HB	#5 DWL.	67.79
240	120			4	6	5.00	HB	#6 DWL.	30.04
241	190			15	5	20.33	ST	#5 @48" VERT.	318.11
242	190			4	6	21.33	ST	#6 VERT.	128.17
243	190		3	5	4	20.00	SL	2-#4 BB @4'-0"	200.40
244	190		6	2	4	4.00	HB	2-#4 BB COR.	32.06
245	190			5	6	20.00	SL	2-#6 BB @TOP	150.20
246	190		2	2	6	6.00	HB	2-#6 BB COR.	36.05
247	190			1	5	7.33	ST	#5 LINTEL	7.65
248									
249		REF:S103, 1/S110							
250		8" MASONRY @INTERIOR							

**ESTIMATED TAKEOFF
FOREST TRAILS WWTP**

Project No: -

Bid Date: 01-31-2022

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
251	120			15	5	4.33	HB	#5 DWL.	67.79
252	120			4	6	5.00	HB	#6 DWL.	30.04
253	190			15	5	19.67	ST	#5 @48" VERT.	307.69
254	190			4	6	20.67	ST	#6 VERT.	124.17
255	190		3	4	4	20.00	ST	2-#4 BB @4'-0"	160.32
256	190		9	2	4	4.00	HB	2-#4 BB COR.	48.10
257	190			4	6	20.00	ST	2-#6 BB @TOP	120.16
258	190		3	2	6	6.00	HB	2-#6 BB COR.	54.07
259	190			1	5	7.33	ST	#5 LINTEL	7.65
260									
261		SECOND FLOOR							
262		REF:S105, S110, S111							
263		8" MASONRY @EXTERIOR							
264	110			31	5	5.08	ST	#5 DWL.	164.35
265	110			29	6	6.08	ST	#6 DWL.	264.96
266	172			39	5	3.58	HB	#5 DWL.	145.75
267	172			31	6	4.25	HB	#6 DWL.	197.89
268	190			70	5	18.33	ST	#5 @48" VERT.	1338.49
269	190			60	6	19.33	ST	#6 VERT.	1742.29
270	190		3	33	5	20.00	SL	2-#5 BB @4'-0"	2065.14
271	190		33	2	5	5.00	HB	2-#5 BB COR.	344.19
272	190			34	6	20.00	SL	2-#6 BB @TOP	1021.36
273	190		11	2	6	6.00	HB	2-#6 BB COR.	198.26
274	190	L-1	6	1	5	7.33	ST	#5 LINTEL	45.89
275	190	L-2	2	6	5	20.00	SL	2-#5 LINTEL	250.32
276	190	L-2	2	2	5	13.33	ST	2-#5 LINTEL	55.63
277	190	L-3	2	2	6	9.33	ST	2-#6 LINTEL	56.07
278	190		2	6	5	20.00	SL	2-#5 SILL	250.32
279	190		2	2	5	13.33	ST	2-#5 SILL	55.63
280	190		2	2	5	9.33	ST	2-#5 SILL	38.94
281									
282		SITework							
283		REF:1/E003, E101							
284	201	18" THK PAD	2	12	6	20.00	SL	#6 @12" LW	720.96
285	201			12	6	8.17	ST	#6 @12" LW	147.18
286	201			43	6	11.00	ST	#6 @12" SW	710.45
287									
288									
289									
290									
291									
292									
293									
294									
295									
296									
297									
298									
Total Weight									847265.21