

ESTIMATING SUMMARY	
JOB NAME: DUPONT GWTP FENTON'S TREATMENT	
JOB NUMBER:	CUSTOMER: HARMAC
MANY STEP FTGS?	NO
MANY DIFFERENT B.S.E.	NO
ANY SLOPED WALLS?	NO
MANY JOGS IN THE WALLS?	NO
ANY SPECIAL COATING?	NO
CMU FILE SUB BID?	NO
ACCESSORIES	NO
SITE WORKS?	YES
ADDENDUMS?	NO
ALTERNATES?	NO
DETAILED IN ELEVATION?	NO INFO
EXCLUSION?	YES
WIRE MESH : ASTM A185	WWF LAP: 25%
DETAILING	
FABRICATION	
ADDITIONAL COMMENTS:	- QUALIFICATIONS SEE REPORT

DATE: 10/12/2022

BID DATE: 10/12/2022

SUMMARY:

REBARS	UNIT	BLACK	EPOXY	TOTAL
SULFURIC ACID & HYDROGEN PEROXIDE TANK	Lbs	11234	0	11234
MAT FOUNDATION	Lbs	7785		7785
CONCRETE WALL	Lbs	3449		3449
FENTONS REACTOR & PH ADJUSTMENT TANK	Lbs	12048	0	12048
WALL FOOTING	Lbs	732		732
MAT FOUNDATION	Lbs	7951		7951
STEM WALL	Lbs	3365		3365
TRUCK LOADING PAD	Lbs	3614	0	3614
LOADING PAD	Lbs	3614		3614
SITE WORK	Lbs	1730	0	1730
PIPE RACK BASE	Lbs	763		763
CONCRETE PAVEMENT	Lbs	492		492
LIGHT POLE BASE	Lbs	419		419
STAIR ON GRADE	Lbs	56		56
TOTAL	Lbs	28626	0	28626

WIRE MESH	ELEMENT	UNIT	BLACK	REMARKS
WWF 6X6-W1.4XW1.4 (5'-0" X 10'-0")	4" THK SIDE WALK	Sqft	285	7 Sheets

046 - DUPONT GWTP FENTON'S TREATMENT

Project Name: DUPONT GWTP FENTON'S TREATMENT
 PARLIN
 , NJ 08873 USA



Architect: PARSONS ENVIRONMENT &
Engineer: MICHAEL B.FLEMING PROFESSIONAL
Customer: HARMAC

Job Type: Lump Sum

Estimator: admin
Creation Date: 10/12/2022
Last Modified: 10/12/2022
Status: Complete

Escalation: No

Cover Page Comments:

COVER PAGE

ESTIMATING NOTES:

1. SPECIFICATIONS: GENERAL NOTES

2. ADDENDUMS: NONE

3. ALTERNATES: NONE

4. MATERIALS:

- REINFORCING STEEL TO BE (ASTM A615, GR. 60)
- REINFORCING STEEL TO BE WELDED (ASTM A706, GR. 60)
- WELDED WIRE FABRIC (ASTM A1064, GR.80)

5. SCOPE OF WORK INCLUSIONS:

- * TREATMENT DESIGNS - BASE SLAB, TANK PAD, CONCRETE WALL, WALL FOOTING, STEM WALL & LOADING PAD.
- * SITE WORK - SIDE WALK, CONCRETE PAVEMENT, LIGHT POLE & STAIR ON GRADE.

6. SPECIFIC EXCLUSIONS:

- SMOOTH DOWELS.
- WELDED BARS AND ALL WELDING.
- MANHOLES, INLETS, ETC., IF ANY
- STORM SEWER AND ELECTRICAL STRUCTURES NOT LISTED IN QUOTE.
- MASONRY WALL.
- PRECAST ELEMENTS.

7. SPECIFIC ASSUMPTIONS: NONE

8. NOTES:

- WE HAVE USED LAP AS PER THE ACI STANDARDS.

Drawing References:

BID SET:

BUILDING

1. STRUCTURAL DWGS: S-001 TO S-502.00 DATED 03/02/2022.
2. CIVIL DWGS: C-001 TO C-501 DATED 03/02/2022.

-046 - DUPONT GWTP FENTON'S TREATMENT

Segment Summary					
Segment	Rebar Wgt	Plain Wgt	Misc. Wgt	Total (Lbs)	Costing
Included Segments:					
SULFURIC ACID & HYDROGEN PEROXIDE TANK	11,234	0	0	11,234	No
MAT FOUNDATION	7,785	0	0	7,785	No
CONCRETE WALL	3,449	0	0	3,449	No
FENTONS REACTOR & PH ADJUSTMENT TANK	12,048	0	0	12,048	No
WALL FOOTING	732	0	0	732	No
MAT FOUNDATION	7,951	0	0	7,951	No
STEM WALL	3,365	0	0	3,365	No
TRUCK LOADING PAD	3,614	0	0	3,614	No
LOADING PAD	3,614	0	0	3,614	No
SITE WORK	1,730	0	0	1,730	No
PIPE RACK BASE	763	0	0	763	No
CONCRETE PAVEMENT	492	0	0	492	No
LIGHT POLE BASE	419	0	0	419	No
STAIR ON GRADE	56	0	0	56	No
SIDE WALK	0	0	0	0	No

-046 - DUPONT GWTP FENTON'S TREATMENT**Estimate Defaults**

Size Unit: Imperial	Building Code: ACI 1983
Length Unit: Feet - Inches	Concrete Strength: 3000
Weight Unit: Pounds	Lap Table:
Soft Hooks: No	Estimating Lap: 48D
Seismic Hooks: No	Steel Manufactured In: ANY
	Tie Clearance: 0-012
	Spiral Clearance: 0-03
	Spacing Tolerance: 0-00
Rebar Coating: Black	Rebar Grade: 60
Plain Coating: Black	Plain Grade: 60
Number of lap lengths to extend a stock bar before lapping: 1	

-046 - DUPONT GWTP FENTON'S TREATMENT

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
1	GI	Segment: SULFURIC ACID & HYDROGEN PEROXIDE TANK Sub-Segment: MAT FOUNDATION																	
2	MT	SULFURIC ACID TANK & HYDROGEN PEROXIDE TANK - REF: S-101																	
3	MT	PARTIAL PLAN - REF. 1/S-102																	
4	MT	12" THK BASE SLAB (550 SQ.FT) - REF: A/S-301																	
5	TR	BF		60	14			1	19/6	S	42-11							902	#6 @12" LW. @B
6	TR	BF		60	14			1	19/6	S	43-10							922	#6 @12" LW. @T1
7	TR	BF		60	4			2	19/6	S	21-02							254	#6 @12" LW. T&B
8	TR	BF		60	20			2	19/6	S	12-02							731	#6 @12" SW. T&B
9	TR	BF		60	23			2	19/6	S	15-02							1,048	#6 @12" SW. T&B
10	TR	BF		60	36			1	13/4	L	6-06							156	#4 STANDEES
11	MT	NOTCH TANK PAD - REF. 2/S-301 (2LOCS)																	
12	TR	BF		60	1			2	16/5	H	4-09							10	1-#5 ADD'L BAR
13	MT	SUMP PIT - REF. 1/S-302 (2LOCS)																	
14	TR	BF		60	3			4	19/6	H	13-033							240	#6 @12" EW. @B
15	TR	BF		60	3			4	19/6	H	14-02							255	#6 @12" EW. @T
16	MT	THICKENED AT EDGE (112 LFT) - REF. A/S-301																	
17	TR	BF		60	3			1	19/6	S	121-03							546	3-#6 CONT. @B
18	TR	BF		60	3			6	19/6	H	6-02							167	3-#6 COR. @B
19	TR	BF		60	1			1	19/6	S	121-03							182	1-#6 ADD'L BAR
20	TR	BF		60	1			6	19/6	H	6-02							56	1-#6 ADD'L COR
21	TR	BF		60	113			1	19/6	H	8-01							1,372	#6 @12" TRANS. @B
22	MT	POURING TANK PAD - REF. A/S-301																	
23	TR	BF		60	14			2	16/5	S	12-02							355	#5 @12" MID EW
24	TR	BF		60	40			1	16/5	H	5-06							229	#5 @12" DWLS
25	MT	POURING TANK PAD - REF. A/S-301																	
26	TR	BF		60	10			2	16/5	S	9-00							188	#5 @12" MID EW
27	TR	BF		60	30			1	16/5	H	5-06							172	#5 @12" DWLS
28	GI	Segment: SULFURIC ACID & HYDROGEN PEROXIDE TANK Sub-Segment: CONCRETE WALL																	
29	MT	CONCRETE WALL - REF. A/S-301																	
30	MT	8" THK CONCRETE WALL (123 LFT)																	
31	TR	BF		60	124			2	16/5	H	5-10							1,509	#5 @12" D/V. EF
32	TR	BF		60	5			2	16/5	S	137-00							1,429	#5 @12" HORZ. EF
33	TR	BF		60	5			14	16/5	H	7-00							511	#5 @12" COR. EF
34	GI	Segment: FENTONS REACTOR & PH ADJUSTMENT TANK Sub-Segment: WALL FOOTING																	
35	MT	FENTONS REACTOR TANK & PH ADJUSTMENT TANK - REF: S-101																	
36	MT	PARTIAL PLAN - REF. 2/S-102																	
37	MT	2'-0" WIDE WALL FOOTING (107 LFT)																	
38	TR	BF		60	3			1	16/5	S	114-082							359	3-#5 CONT. @B
39	TR	BF		60	3			6	16/5	H	5-02							97	3-#5 COR. @B
40	TR	BF		60	108			1	16/5	S	2-00							225	#5 @12" TRANS. @B
41	TR	BF		60	3			2	16/5	H	8-02							51	3-#5 STEP BAR. @B
42	GI	Segment: FENTONS REACTOR & PH ADJUSTMENT TANK Sub-Segment: MAT FOUNDATION																	
43	MT	12" THK BASE SLAB (620 SQ.FT) - REF. D/S-302																	
44	TR	BF		60	22			2	19/6	S	29-07							1,955	#6 @12" LW. T&B
45	TR	BF		60	2			2	19/6	S	10-08							64	#6 @12" LW. T&B
46	TR	BF		60	20			2	19/6	S	20-06							1,232	#6 @12" SW. T&B
47	TR	BF		60	12			2	19/6	S	21-06							775	#6 @12" SW. T&B
48	TR	BF		60	40			1	13/4	L	6-06							174	#4 STANDEES
49	MT	SUMP PIT - REF. 1/S-302 (2 LOCS)																	
50	TR	BF		60	3			4	19/6	H	13-033							240	#6 @12" EW. @B
51	TR	BF		60	3			4	19/6	H	14-02							255	#6 @12" EW. @T
52	GI	Segment: FENTONS REACTOR & PH ADJUSTMENT TANK Sub-Segment: STEM WALL																	
53	MT	STEM WALL - REF. D/S-302																	
54	MT	12" THK STEM WALL (101 LFT)																	
55	TR	BF		60	102			1	16/5	H	7-02							762	#5 @12" D/V OF
56	TR	BF		60	102			1	16/5	H	9-05							1,002	#5 @12" D/V IF
57	TR	BF		60	5			2	16/5	S	111-06							1,163	#5 @12" HOR. EF
58	TR	BF		60	5			12	16/5	H	7-00							438	#5 @12" COR. EF
59	GI	Segment: FENTONS REACTOR & PH ADJUSTMENT TANK Sub-Segment: MAT FOUNDATION																	
60	MT	POURING TANK PAD - REF. D/S-302																	
61	TR	BF		60	13			2	16/5	S	12-00							325	#5 @12" MID EW

-046 - DUPONT GWTP FENTON'S TREATMENT

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
62	TR	BF		60	39			1	16/5	H	6-00							244	#5 @12" DWLS
63	MT	POURING TANK PAD - REF. D/S-302																	
64	TR	BF		60	11			2	16/5	S	10-00							229	#5 @12" MID EW
65	TR	BF		60	33			1	16/5	H	6-00							207	#5 @12" DWLS
66	MT	11 1/2" THK EQUIPMENT PAD - REF. D/S-302																	
67	TR	BF		60	3			1	16/5	S	2-06							8	#5 @12" LW. @T
68	TR	BF		60	4			1	16/5	S	1-06							6	#5 @12" SW. @T
69	TR	BF		60	9			1	16/5	H	3-06							33	#5 @12" DWLS
70	MT	CURB WALL - REF. D/S-302																	
71	MT	8" THK CURB WALL (101 LFT)																	
72	TR	BF		60	102			2	16/5	H	4-04							922	#5 @12" D/V EF
73	TR	BF		60	4			2	16/5	S	111-06							930	#5 @12" HOR. EF
74	TR	BF		60	4			12	16/5	H	7-00							351	#5 @12" COR. EF
75	GI	Segment: TRUCK LOADING PAD Sub-Segment: LOADING PAD																	
76	MT	TRUCK LOADING PAD - REF: S-303																	
77	MT	8" THK TRUCK LOADING PAD (905 SQ.FT)																	
78	TR	BF		60	16			1	19/6	S	66-02							1,590	#6 @12" MID LW
79	TR	BF		60	61			1	19/6	S	15-00							1,374	#6 @12" MID SW
80	TR	BF		60	53			1	19/6	H	8-02							650	#6 @12" STEP BAR
81	GI	Segment: SITE WORK Sub-Segment: PIPE RACK BASE																	
82	MT	PIPE ROCK BASE - REF: 3/S501																	
83	MT	MARK: PR3 & PR3A - 18" DIA PIER (6 LOCS)																	
84	TR	BF		60	8			6	22/7	S	5-06							539	8-#7 VERT
85	TR	BF		60	2			6	13/4	L	6-022							50	2-#4 TIES @ TOP
86	TR	BF		60	7			6	13/4	L	6-022							174	#4 @12" TIES
87	GI	Segment: SITE WORK Sub-Segment: CONCRETE PAVEMENT																	
88	MT	SITE MODIFICATION - REF: C-002																	
89	MT	7" THK CONC. PAVEMENT (520 SQ.FT) - REF: 3/C-501																	
90	TR	BF		60	59			1	16/5	S	8-00							492	#5 @8" MID EW
91	GI	Segment: SITE WORK Sub-Segment: LIGHT POLE BASE																	
92	MT	LIGHT POLE BASE																	
93	MT	24" DIA LIGHT POLE BASE - REF. 6/S-502 (2 LOCS)																	
94	TR	BF		60	8			2	22/7	L	8-00							262	8-#7 VERT
95	TR	BF		60	3			2	13/4	L	8-042							34	3-#4 TIES @ TOP
96	TR	BF		60	11			2	13/4	L	8-042							123	#4 @10" TIES
97	GI	Segment: SITE WORK Sub-Segment: STAIR ON GRADE																	
98	MT	STAIR ON GRADE - REF. 9/C-501																	
99	TR	BF		60	5			1	13/4	L	4-00							13	#4 @12" DWLS
100	TR	BF		60	5			1	13/4	L	5-00							17	#4 @12" MID LW
101	TR	BF		60	8			1	13/4	S	4-00							21	#4 @12" MID SW
102	TR	BF		60	1			3	10/3	S	4-00							5	1-#3 NOSING BAR
103	GI	Segment: SITE WORK Sub-Segment: SIDE WALK																	
104	TI	Sheets		7					MESH									0	4" THK SIDE WALK

-046 - DUPONT GWTP FENTON'S TREATMENT

Segment: SULFURIC ACID & HYDROGEN PEROXIDE TANK

Total for MAT FOUNDATION

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

** Grade 60, Black **

13/4	156	0	0	156	0
16/5	954	543	411	0	0
19/6	6,675	4,585	2,090	0	728
	<u>7,785</u>	<u>5,128</u>	<u>2,501</u>	<u>156</u>	<u>728</u>

Total for CONCRETE WALL

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

** Grade 60, Black **

16/5	3,449	1,429	2,020	0	1,429
	<u>3,449</u>	<u>1,429</u>	<u>2,020</u>	<u>0</u>	<u>1,429</u>

Total for Segment: SULFURIC ACID & HYDROGEN PEROXIDE TANK

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

** Grade 60, Black **

13/4	156	0	0	156	0
16/5	4,403	1,972	2,431	0	1,429
19/6	6,675	4,585	2,090	0	728
	<u>11,234</u>	<u>6,557</u>	<u>4,521</u>	<u>156</u>	<u>2,157</u>

046 - DUPONT GWTP FENTON'S TREATMENT

Segment: FENTONS REACTOR & PH ADJUSTMENT TANK

Total for WALL FOOTING

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

** Grade 60, Black **

16/5	732	584	148	0	359
	<u>732</u>	<u>584</u>	<u>148</u>	<u>0</u>	<u>359</u>

Total for MAT FOUNDATION

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

** Grade 60, Black **

13/4	174	0	0	174	0
16/5	3,256	1,499	1,757	0	931
19/6	4,521	4,026	495	0	0
	<u>7,951</u>	<u>5,525</u>	<u>2,252</u>	<u>174</u>	<u>931</u>

Total for STEM WALL

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

** Grade 60, Black **

16/5	3,365	1,163	2,202	0	1,163
	<u>3,365</u>	<u>1,163</u>	<u>2,202</u>	<u>0</u>	<u>1,163</u>

Total for Segment: FENTONS REACTOR & PH ADJUSTMENT TANK

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

** Grade 60, Black **

13/4	174	0	0	174	0
16/5	7,353	3,246	4,107	0	2,453
19/6	4,521	4,026	495	0	0
	<u>12,048</u>	<u>7,272</u>	<u>4,602</u>	<u>174</u>	<u>2,453</u>

-046 - DUPONT GWTP FENTON'S TREATMENT

Segment: TRUCK LOADING PAD

Total for LOADING PAD

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

**** Grade 60, Black ****

19/6	3,614	2,964	650	0	1,590
	<u>3,614</u>	<u>2,964</u>	<u>650</u>	<u>0</u>	<u>1,590</u>

Total for Segment: TRUCK LOADING PAD

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

**** Grade 60, Black ****

19/6	3,614	2,964	650	0	1,590
	<u>3,614</u>	<u>2,964</u>	<u>650</u>	<u>0</u>	<u>1,590</u>

-046 - DUPONT GWTP FENTON'S TREATMENT

Segment: SITE WORK

Total for PIPE RACK BASE

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
13/4	224	0	0	224	0
22/7	539	539	0	0	0
	<u>763</u>	<u>539</u>	<u>0</u>	<u>224</u>	<u>0</u>

Total for CONCRETE PAVEMENT

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
16/5	492	492	0	0	0
	<u>492</u>	<u>492</u>	<u>0</u>	<u>0</u>	<u>0</u>

Total for LIGHT POLE BASE

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
13/4	157	0	0	157	0
22/7	262	0	0	262	0
	<u>419</u>	<u>0</u>	<u>0</u>	<u>419</u>	<u>0</u>

Total for STAIR ON GRADE

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
10/3	5	5	0	0	0
13/4	51	21	0	30	0
	<u>56</u>	<u>26</u>	<u>0</u>	<u>30</u>	<u>0</u>

Total for SIDE WALK

**** Miscellaneous Item Summary ****

** Undefined Item Class - 'WIRE MESH' **

MESH	WWF 6X6-W1.4XW1.4 (5'-0" X 10'-0")	7.000 Sheets =	7.000 Sheets @	0.000 / Sheets = \$	0.00	0 Lbs
Subtotal					= \$	0.00 0 Lbs
Grand Total					= \$	0.00 0 Lbs

-046 - DUPONT GWTP FENTON'S TREATMENT

Total for Segment: SITE WORK

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
10/3	5	5	0	0	0
13/4	432	21	0	411	0
16/5	492	492	0	0	0
22/7	801	539	0	262	0
	<u>1,730</u>	<u>1,057</u>	<u>0</u>	<u>673</u>	<u>0</u>

****** Miscellaneous Item Summary ******

**** Undefined Item Class - 'WIRE MESH' ****

MESH	WWF 6X6-W1.4XW1.4 (5'-0" X 10'-0")	7.000 Sheets =	7.000 Sheets @	0.000 / Sheets = \$	0.00	0 Lbs
Subtotal					= \$	0.00
Grand Total					= \$	0.00

-046 - DUPONT GWTP FENTON'S TREATMENT

Estimate Totals

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
10/3	5	5	0	0	0
13/4	762	21	0	741	0
16/5	12,248	5,710	6,538	0	3,882
19/6	14,810	11,575	3,235	0	2,318
22/7	801	539	0	262	0
	<u>28,626</u>	<u>17,850</u>	<u>9,773</u>	<u>1,003</u>	<u>6,200</u>

-046 - DUPONT GWTP FENTON'S TREATMENT

Estimate Totals

****** Miscellaneous Item Summary ********** Undefined Item Class - 'WIRE MESH' ****

MESH	WWF 6X6-W1.4XW1.4 (5'-0" X 10'-0")	7.000 Sheets =	7.000 Sheets @	0.000 / Sheets = \$	0.00	0 Lbs
------	---------------------------------------	----------------	----------------	---------------------	------	-------

Subtotal				= \$	0.00	0 Lbs
-----------------	--	--	--	------	------	-------

Grand Total				= \$	0.00	0 Lbs
--------------------	--	--	--	------	------	-------