



HALL & OGLE ARCHITECTS, INC.

AA-C000925

208 Magnolia Avenue
Daytona Beach, Florida 32114

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May 29, 2018

Derek Wainscott, P.E.
Engineering Manager
Utilities Commission
City of New Smyrna Beach, FL
200 Canal Street
New Smyrna Beach, FL 32168

Re: Western Utility Complex – Opinion of Probable Cost

Dear Derek:

The following represents our Opinion of Probable Cost for the three buildings proposed at the Western Utility Complex. Also attached to this document is the Civil Engineer's Preliminary Estimate of Costs for the three site concepts. Let me know if require any further information.

Respectfully,

David Ogle, Vice President/Principal

Power Generation:

Division No.	Detailed Items of Work	\$/SF	Scheduled Value
Division 00	General Conditions	\$8.00	\$52,000
Division 01	General Requirements	\$8.00	\$52,000
Division 03	Concrete	\$20.00	\$130,000
Division 04	Masonry	\$6.00	\$39,000
Division 05	Metals	\$12.00	\$78,000
Division 06	Wood, Plastics and Composites	\$8.00	\$10,400
Division 07	Thermal and Moisture Protection*	\$5.00	\$30,000
6Division 08	Openings	\$12.00	\$78,000
Division 09	Finishes	\$10.00	\$65,000
Division 10	Specialties	\$5.00	\$32,500
Division 11	Equipment	N.I.C.	\$0.00
Division 12	Furnishings	N.I.C.	\$0.00
Division 21	Fire Suppression	\$6.00	\$39,000
Division 22	Plumbing	\$13.00	\$16,900
Division 23	HVAC (Conditioned Space)	\$8.00	\$10,400
Division 26	Electrical	\$16.00	\$104,000
Division 27	Communications	\$3.00	\$19,500
	Sub-Total		\$756,700
	Contingency 15%		113,000
	Total Opinion of Probable Cost		\$869,700

*Roofing not included in Division 07, it is a part of Division 05

Fleet Services:

Division No.	Detailed Items of Work	\$/SF	Scheduled Value
Division 00	General Conditions	\$8.00	\$68,480
Division 01	General Requirements	\$8.00	\$68,480
Division 03	Concrete	\$20.00	\$171,200
Division 04	Masonry	\$6.00	\$51,360
Division 05	Metals	\$12.00	\$102,720
Division 06	Wood, Plastics and Composites	\$8.00	\$16,416
Division 07	Thermal and Moisture Protection*	\$5.00	\$42,800
Division 08	Openings	\$12.00	\$102,720
Division 09	Finishes	\$10.00	\$85,600
Division 10	Specialties	\$5.00	\$42,800
Division 11	Equipment	N.I.C.	\$0.00
Division 12	Furnishings	N.I.C.	\$0.00
Division 21	Fire Suppression	\$6.00	\$51,360
Division 22	Plumbing	\$13.00	\$26,676
Division 23	HVAC (Conditioned Space)	\$8.00	\$16,416
Division 26	Electrical	\$16.00	\$136,960
Division 27	Communications	\$3.00	\$25,680
	Sub-Total		\$1,009,668
	Contingency 15%		\$151,450
	Total Opinion of Probable Cost		\$1,161,118

*Roofing not included in Division 07, it is a part of Division 05

Field Ops:

Division No.	Detailed Items of Work	\$/SF	Scheduled Value
Division 00	General Conditions	\$8.00	\$58,840
Division 01	General Requirements	\$8.00	\$58,840
Division 03	Concrete	\$20.00	\$147,100
Division 04	Masonry	\$6.00	\$44,130
Division 05	Metals	\$12.00	\$88,260
Division 06	Wood, Plastics and Composites	\$8.00	\$24,960
Division 07	Thermal and Moisture Protection*	\$5.00	\$36,775
Division 08	Openings	\$12.00	\$88,260
Division 09	Finishes	\$10.00	\$73,550
Division 10	Specialties	\$5.00	\$36,775
Division 11	Equipment	N.I.C.	\$0.00
Division 12	Furnishings	N.I.C.	\$0.00
Division 21	Fire Suppression	\$6.00	\$44,130
Division 22	Plumbing	\$13.00	\$40,560
Division 23	HVAC (Conditioned Space)	\$8.00	\$24,960
Division 26	Electrical	\$16.00	\$117,680
Division 27	Communications	\$3.00	\$22,065
	Sub-Total		\$906,885
	Contingency 15%		\$136,000
	Total Opinion of Probable Cost		\$1,042,885

*Roofing not included in Division 07, it is a part of Division 05

PARKER MYNCHENBERG & ASSOCIATES, INC.

1729 Ridgewood Avenue
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 E-Mail: info@parkermynchenberg.com

May 21, 2018

NEW SMYRNA BEACH WESTERN UTILITY COMPLEX (CONCEPT A)
PRELIMINARY ENGINEER'S ESTIMATE OF COST - SITE WORK ONLY

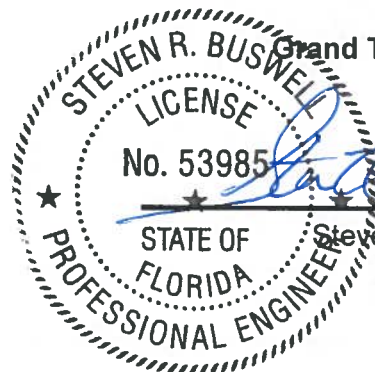
<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNITS</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
1	Mobilization / Demobilization (Max 10%)	1	LS	\$ 50,000.00	\$ 50,000.00
2	Demoilition / Disposal	1	LS	\$ 10,000.00	\$ 10,000.00
3	Earthwork	1	LS	\$ 150,000.00	\$ 150,000.00
4	Import Fill *	60,000	CY	\$ 12.00	\$ 720,000.00
5	Temporary Gravel Contrstuction Entrance	1	LS	\$ 3,000.00	\$ 3,000.00
6	Silt Fence	5,356	LF	\$ 2.75	\$ 14,729.00
7	2" Type SP 12.5 ACSC	1,690	TN	\$ 92.00	\$ 155,480.00
8	8" Base (LBR 100)	18,071	SY	\$ 17.00	\$ 307,207.00
9	12" Stabilized Subbase	18,071	SY	\$ 6.00	\$ 108,426.00
10	Type "F" Curb	3,338	LF	\$ 16.00	\$ 53,408.00
11	Concrete (6" Thick)	2,133	SY	\$ 50.00	\$ 106,650.00
12	Striping and Signage	1	LS	\$ 8,000.00	\$ 8,000.00
13	Chain Link Fence	1,402	LF	\$ 80.00	\$ 112,160.00
14	30' Gate	2	EA	\$ 3,500.00	\$ 7,000.00
15	24' Gate	2	EA	\$ 3,000.00	\$ 6,000.00
16	10' Gate	2	EA	\$ 1,200.00	\$ 2,400.00
17	8' Gate	2	EA	\$ 1,000.00	\$ 2,000.00
18	Wheel Stop	67	EA	\$ 55.00	\$ 3,685.00
19	Lighting / Electrical	1	LS	\$ 100,000.00	\$ 100,000.00
20	Drainage	1	LS	\$ 150,000.00	\$ 150,000.00
21	Utilities	1	LS	\$ 100,000.00	\$ 100,000.00
22	Landscape	1	LS	\$ 80,000.00	\$ 80,000.00
23	Tree Removal	1	LS	\$ 50,000.00	\$ 50,000.00

Sub-Total: \$ 2,300,145.00

* Assumes 20,000 CY of fill for each site. The number shall be updated upon receipt of final design with topographic survey.

Contingency 15% \$345,021.75

Grand Total: \$ 2,645,166.75



Steven R. Buswell, P.E., R.L.A.
 5-21-2018
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May 21, 2018

NEW SMYRNA BEACH WESTERN UTILITY COMPLEX (CONCEPT B) PRELIMINARY ENGINEER'S ESTIMATE OF COST - SITE WORK ONLY

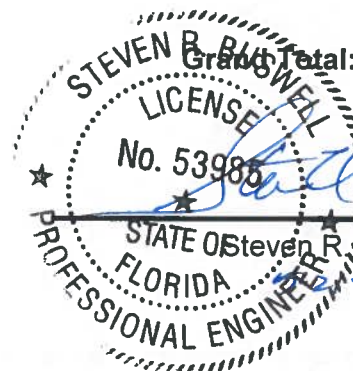
<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNITS</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
1	Mobilization / Demobilization (Max 10%)	1	LS	\$ 50,000.00	\$ 50,000.00
2	Demolition / Disposal	1	LS	\$ 10,000.00	\$ 10,000.00
3	Earthwork	1	LS	\$ 150,000.00	\$ 150,000.00
4	Import Fill *	60,000	CY	\$ 12.00	\$ 720,000.00
5	Temporary Gravel Contrstuction Entrance	1	LS	\$ 3,000.00	\$ 3,000.00
6	Silt Fence	5,356	LF	\$ 2.75	\$ 14,729.00
7	2" Type SP 12.5 ACSC	1,135	TN	\$ 92.00	\$ 104,420.00
8	8" Base (LBR 100)	18,071	SY	\$ 17.00	\$ 307,207.00
9	12" Stabilized Subbase	18,071	SY	\$ 6.00	\$ 108,426.00
10	Type "F" Curb	3,338	LF	\$ 16.00	\$ 53,408.00
11	Concrete (6" Thick)	2,133	SY	\$ 50.00	\$ 106,650.00
12	Striping and Signage	1	LS	\$ 8,000.00	\$ 8,000.00
13	Chain Link Fence	1,402	LF	\$ 80.00	\$ 112,160.00
14	30' Gate	2	EA	\$ 3,500.00	\$ 7,000.00
15	24' Gate	2	EA	\$ 3,000.00	\$ 6,000.00
16	10' Gate	2	EA	\$ 1,200.00	\$ 2,400.00
17	8' Gate	2	EA	\$ 1,000.00	\$ 2,000.00
18	Wheel Stop	67	EA	\$ 55.00	\$ 3,685.00
19	Lighting / Electrical	1	LS	\$ 100,000.00	\$ 100,000.00
20	Drainage	1	LS	\$ 150,000.00	\$ 150,000.00
21	Utilities	1	LS	\$ 100,000.00	\$ 100,000.00
22	Landscape	1	LS	\$ 80,000.00	\$ 80,000.00
23	Tree Removal	1	LS	\$ 50,000.00	\$ 50,000.00

Sub-Total: \$ 2,249,085.00

* Assumes 20,000 CY of fill for each site. The number shall be updated upon receipt of final design with topographic survey.

Contingency 15% \$337,362.75

Grand Total: \$ 2,586,447.75



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May 21, 2018

NEW SMYRNA BEACH WESTERN UTILITY COMPLEX (CONCEPT C)
PRELIMINARY ENGINEER'S ESTIMATE OF COST - SITE WORK ONLY

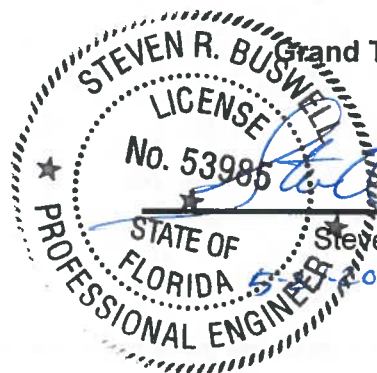
<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNITS</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
1	Mobilization / Demobilization (Max 10%)	1	LS	\$ 50,000.00	\$ 50,000.00
2	Demolition / Disposal	1	LS	\$ 10,000.00	\$ 10,000.00
3	Earthwork	1	LS	\$ 150,000.00	\$ 150,000.00
4	Import Fill *	60,000	CY	\$ 12.00	\$ 720,000.00
5	Temporary Gravel Contrstuction Entrance	1	LS	\$ 3,000.00	\$ 3,000.00
6	Silt Fence	5,356	LF	\$ 2.75	\$ 14,729.00
7	2" Type SP 12.5 ACSC	7,251	TN	\$ 92.00	\$ 667,092.00
8	8" Base (LBR 100)	18,071	SY	\$ 17.00	\$ 307,207.00
9	12" Stabilized Subbase	18,071	SY	\$ 6.00	\$ 108,426.00
10	Type "F" Curb	3,338	LF	\$ 16.00	\$ 53,408.00
11	Concrete (6" Thick)	2,133	SY	\$ 50.00	\$ 106,650.00
12	Striping and Signage	1	LS	\$ 8,000.00	\$ 8,000.00
13	Chain Link Fence	1,402	LF	\$ 80.00	\$ 112,160.00
14	30' Gate	2	EA	\$ 3,500.00	\$ 7,000.00
15	24' Gate	2	EA	\$ 3,000.00	\$ 6,000.00
16	10' Gate	2	EA	\$ 1,200.00	\$ 2,400.00
17	8' Gate	2	EA	\$ 1,000.00	\$ 2,000.00
18	Wheel Stop	67	EA	\$ 55.00	\$ 3,685.00
19	Lighting / Electrical	1	LS	\$ 100,000.00	\$ 100,000.00
20	Drainage	1	LS	\$ 150,000.00	\$ 150,000.00
21	Utilities	1	LS	\$ 100,000.00	\$ 100,000.00
22	Landscape	1	LS	\$ 80,000.00	\$ 80,000.00
23	Tree Removal	1	LS	\$ 50,000.00	\$ 50,000.00

Sub-Total: \$ 2,811,757.00

* Assumes 20,000 CY of fill for each site. The number shall be updated upon receipt of final design with topographic survey.

Contingency 15% \$421,763.55

Grand Total: \$ 3,233,520.55



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