

Since 1954

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January 20, 2021

Loretta Taylor, Chairperson
Town of Cortlandt Planning Board
1 Heady Street
Cortlandt Manor, NY 10567

RE: Pondview Commons
Bond Reduction Request

Dear Chairperson Taylor and Members of the Board:


Please find enclosed the original bond estimate calculation sheet prepared by CRONIN ENGINEERING P.E., P.C. in April of 2018 with changes by Michael Preziosi. I have added 2 additional columns: percent complete and bond reduction.

I have inspected the project and have noted those items that are not yet 100% completed. The cost of the items not 100% completed is \$24,433.00.

Therefore, we respectfully request the bond be reduced to \$24,433.00.

Thank you for your consideration.

Regards,



Eliot Senior, P.E., L.S.



Original bond calculations submitted by Cronin Engineering P.E. P.C. 4-15-2018

and approve by M. Preziosi P.E. Director of Technical Services.

Reduction Calculations
 by Gabriel E. Senior, P.C

ITEM	ESTIMATED QUANTITY	UNIT	ESTIMATED UNIT COST	ESTIMATED EXTENSION
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Jan. 18, 2021
 percent complete bond reduction

EROSION AND SEDIMENT CONTROL PLAN				
Stabilized Construction Entrance	2	1.S	\$2,000.00	\$4,000.00
Orange Construction Fencing	1,990	LF	\$5.00	\$5,970.00
Silt Fence (Non-Reinforced)	870	LF	\$5.00	\$4,350.00
Silt Fence (Reinforced)	1,040	LF	\$5.00	\$5,200.00
Inlet Protection	16	EA	\$250.00	\$4,000.00
Temporary Swales	2,290	LF	\$15.00	\$34,350.00
Temporary Sediment Basins	5	EA	\$1,200.00	\$6,000.00
Rip Rap Outlet	8	EA	\$ 400.00	\$3,200.00
F/I Temporary 12" PE Pipe	220	LF	\$ 20.00	\$4,400.00
SWPPP Inspection week for 104 weeks) 2,14A,	104	EA	\$ 300.00	\$31,200.00
SWPPP Reports to Town (1/month) for two years	24	EA	\$ 200.00	\$4,800.00
F/I Erosion Control Blankets	17,800	SF	\$ 0.15	\$2,670.00
Erosion & Sediment Control Subtotal				\$110,140.00

100	\$	4,000.00
100	\$	5,970.00
80	\$	3,480.00
100	\$	5,200.00
100	\$	4,000.00
100	\$	34,350.00
100	\$	6,000.00
100	\$	3,200.00
100	\$	4,400.00
80	\$	24,960.00
90	\$	4,320.00
100	\$	2,670.00
	\$	102,550.00

EARTHWORK AND ROADWAY				
Clear and Grub Site (357,820 sq ft)	8.2	AC	\$ 7,500.00	\$61,500.00
Total Earth Cut For Site (1.15 factor)	27,120	CY	\$10.00	\$271,200.00
Total Earth Fill For Site (1.2 factor)	27,050	CY	\$20.00	\$541,000.00
Grade Site to Subgrade	8.2	AC	\$ 10,000.00	\$82,000.00
F/I Concrete Curbs	5,302	LF	\$24.00	\$127,248.00
F/I 6" Subbase Course (80,905 sf) (includes driveways)	1,493	CY	\$35.00	\$52,255.00
F/I 4" Binder Asphalt Course (80,905 sq ft)(includes driveways	2,016	Ton	\$120.00	\$241,920.00
F/I Tack Coat (80,905 sq ft)	80,630	SF	\$0.02	\$1,612.60

100	\$	61,500.00
100	\$	271,200.00
100	\$	541,000.00
100	\$	82,000.00
100	\$	127,248.00
100	\$	52,255.00
100	\$	241,920.00
100	\$	1,612.60

F/I 2" Top Asphalt Course (80,905 sq ft) (includes driveways)	1,008	Ton	\$130.00	\$131,040.00	100	\$	131,040.00
Disturbed Areas, Seed and Mulch (277190 sq ft)	30,799	SY	\$ 1.20	\$36,958.80	90	\$	33,262.92
F/I Concrete Sidewalk WITH Sub Base stone	4,580	SF	\$ 7.00	\$32,060.00	100	\$	32,060.00
Roadway Subtotal				\$1,578,794.40		\$	1,575,098.52

SANITARY SEWER SYSTEM -IN9s.:a,,							
F/I Sanitary Sewer Manholes	20	EA	\$4,000.00	\$80,000.00	100	\$	80,000.00
F/I 8" Diameter Sewer Main (on-site)	2,180	LF	\$120.00	\$261,600.00	100	\$	261,600.00
F/I 4" Sewer Service w/ cleanout	1,664	LF	\$80.00	\$133,120.00	100	\$	133,120.00
Connection to existng Sewer Manhole	1	LS	\$5,000.00	\$5,000.00	100	\$	5,000.00
Sewer Line Testing and Certification	1	LS	\$5,000.00	\$5,000.00	100	\$	5,000.00
F/I 8" DIP pipe w/ Steel Sleeve	21	FT	\$ 200.00	\$4,200.00	100	\$	4,200.00
NCSST RAPID							
Sanitary Sewer System Subtotal				\$488,920.00		\$	488,920.00

STORMWATER DRAINAGE & MANAGEMENT SYSTEM							
F/I 6" HDPE Pipe for Roof Leaders	1,050	LF	\$ 25.00	\$26,250.00	100	\$	26,250.00
F/I 12" HDPE Pipe	970	LF	\$ 35.00	\$33,950.00	100	\$	33,950.00
F/I 15" HDPE Pipe	403	LF	\$ 40.00	\$16,120.00	100	\$	16,120.00
F/I 18" HDPE Pipe	318	LF	\$ 45.00	\$14,310.00	100	\$	14,310.00
F/I 24" HDPE Pipe	109	LF	\$ 50.00	\$5,450.00	100	\$	5,450.00
12'x6' Box Culvert with concrete wing walls	60	LF	\$ 2,000.00	\$120,000.00	100	\$	120,000.00
Grass Swales	1,350	LF	\$ 12.00	\$16,200.00	90	\$	14,580.00
F/I Drainage Manhole	1	EA	\$ 3,000.00	\$3,000.00	100	\$	3,000.00
F/I Control Structures	4	EA	\$ 5,000.00	\$20,000.00	100	\$	20,000.00
F/I Drainage Catch Basin	21	EA	\$ 3,000.00	\$63,000.00	100	\$	63,000.00
F/I Hydrodynamic Units	4	EA	\$ 15,000.00	\$60,000.00	100	\$	60,000.00
F/I Stormwater End Sections	8	EA	\$1,000.00	\$8,000.00	100	\$	8,000.00
Stormwater Infiltration Basins	4	EA	\$12,000.00	\$48,000.00	100	\$	48,000.00
Landscaping for Stormwater Basins	4	EA	\$ 1,500.00	\$6,000.00	90	\$	5,400.00
F/I Rock Outlet Protection	8	EA	\$ 500.00	\$4,000.00	100	\$	4,000.00
Stormwater Basin Fencing (split rail w/ wire mesh)	1,062	LF	\$ 25.00	\$26,550.00	80	\$	21,240.00
Stormwater Drainage Subtotal				\$470,830.00		\$	463,300.00

WATER DISTRIBUTION SYSTEM				
F/I 8" D.I.P. CL54 Pipe Installation (looped water main)	1,544	LF	\$ 80.00	\$123,520.00
Trench Backfill w/Imported Material	717	CY	\$35.00	\$25,095.00
F/I 1" Water Service to (w/ shut-off valves) (2,545 LF)	57	EA	\$2,000.00	\$114,000.00
F/I 8" Gate Valve	3	EA	\$800.00	\$2,400.00
F/I 3 Valve Connection on Existing Water Main with 3 Valves	2	EA	\$ 3,000.00	\$6,000.00
Water Main Testing	1	LS	\$ 5,000.00	\$5,000.00
F/I Hydrant including lateral, thrust blocks/rods	3	EA	\$5,000.00	\$15,000.00
Water Distribution Subtotal				\$291,015.00

100	\$	123,520.00
100	\$	25,095.00
100	\$	114,000.00
100	\$	2,400.00
100	\$	6,000.00
100	\$	5,000.00
100	\$	15,000.00
	\$	291,015.00

LANDSCAPING PROGRAM AND WETLAND MITIGATION				
Street Trees / Site Landscaping	1	LS	\$6,300.00	\$6,300.00
Wetland Mitigation Plantings	1.00	LS	\$5,000.00	5000.00
Wetland Mitigation-Split Rail Fencing	1155.00	LF	\$25.00	28875.00
Sitting Benches	4.00	EA	\$200.00	800.00
Walking Paths (wood chip)	130.00	CY	\$35.00	4550.00
Invasive Species Removal	1.00	LS	\$7,500.00	7500.00
Landscaping & Wetland Mitigation Subtotal				53025.00

90	\$	5,670.00
90	\$	4,500.00
90	\$	25,987.50
0	\$	-
100	\$	4,550.00
100	\$	7,500.00
	\$	48,207.50

MISCELLANEOUS				
F/I Stop Signs	4.00	EA	\$300.00	1200.00
F/I Street Signs	10.00	EA	\$300.00	3000.00
Site Demolition and Removal	0.00	LS	completed	
F/I Pavement Markings (Stop Bars / Crosswalks)	1.00	LS	\$1,500.00	1500.00
F/I Picket Fence	150.00	LF	\$20.00	3000.00
F/I Retaining walls 0-6' high	311.00	LF	\$200.00	62200.00
F/I Wood Guiderail	1184.00	LF	\$45.00	53280.00
F/I GateS w/ Knox Box	2.00	EA	\$10,000.00	20000.00
F/I Street Lights	6.00	EA	\$2,500.00	15000.00
F/I dumpsters, 3 Yard Conainers	6.00	EA	\$1,500.00	9000.00
Miscellaneous Subtotal				\$163,980.00
			TOTAL	\$3,156,704.40

100	\$	1,200.00
100	\$	3,000.00
100	\$	1,500.00
0	\$	-
100	\$	62,200.00
100	\$	53,280.00
90	\$	18,000.00
100	\$	15,000.00
100	\$	9,000.00
	\$	<u>163,180.00</u>

	\$	3,132,271.02
Cost to Complete	\$	<u>24,433.38</u>

Original Bond \$2,250,000.00
Percent Completed 98.91%
Bond Reduction To \$24,433.00

