



May 10, 2019

Mr. Michael Preziosi
Director- Dept. of Technical Services
Town of Cortlandt
1 Heady street,
Cortlandt Manor, NY 10567



Re: Bond amount reduction request for Cortlandt Crossing Main site & CTC sewer

To Whom It May Concern:

Please be advised that the construction of Westbrook and Central / CTC sewer has been substantially completed, and both the sewer systems along with their pump stations are in operation. We are in receipt of formal written approval from Department of Health (DOH), and final construction as-built drawings have been provided to the Town of Cortlandt. The Main construction site improvements have been completed with an exception of small punch list and the stabilization of the embankment.

Attached correspondence:

1. Department of Health (DOH) approval for Westbrook sewer and Central / CTC sewer
2. CTC & Westbrook sewer punch list with a completion status

Given the completion of both these sewer jobs, we request the bond amount to be reduced to its 95% value of \$232,300 from the original value of \$2,075,000.

Also, considering the completion of onsite work, we are looking for a complete withdrawal of an onsite bond from its original value of \$3,150,000.

Should you have any questions, do not hesitate to contact me.

Sincerely,

Manan Joshi

CC: John Swagerty

Copies 7

- Planning Board
- Town Board
- Zoning Board
- Legal Dept.
- DOTS Director
- C.A.C.
- A.R.C.
- Applicant
- _____
- _____

Sent 5/23/19

Table 1: Central Sewer Improvement Estimated Cost

(1)	(2)	(3)	(4)	(5) = (3)*(4)	(6)	(7) = (5)-(6)
Item	Quantity	Unit	Unit Price	Total	Work Completed	Balance to Finish
1 Mobilization	1	LS	\$8,000.00	\$8,000.00	\$8,000	\$0
2 Layout	1	LS	\$15,000.00	\$15,000.00	\$15,000	\$0
3 ESC	1	LS	\$25,000.00	\$25,000.00	\$25,000	\$0
4 Traffic Controls (MPT)	1	LS	\$25,000.00	\$25,000.00	\$25,000	\$0
5 Furnish and Install 5 feet Dia. Sanitary Manhole < 10' Deep	12	EA	\$11,000.00	\$132,000.00	\$132,000	\$0
6 Furnish and Install 6 feet Dia. Sanitary Manhole > 10' Deep	5	EA	\$13,000.00	\$65,000.00	\$65,000	\$0
7 Furnish and Install 8 inch DIP Gravity Sewer (Line Drill RT. 6)	80	LF	\$950.00	\$76,000.00	\$76,000	\$0
8 Furnish and Install 8 inch SDR-35 PVC Gravity Sewer	1,205	LF	\$275.00	\$331,375.00	\$331,375	\$0
9 Furnish and Install 8 inch SDR-35 PVC Gravity Sewer	1,755	LF	\$325.00	\$570,375.00	\$570,375	\$0
10 Furnish and Install Precast Conc. Pump Station & Wet Well	1	EA	\$225,000.00	\$225,000.00	\$225,000	\$0
11 Furnish and Install 7.2 HP Flyght Sewer Pumps	1	LS	\$75,000.00	\$75,000.00	\$75,000	\$0
12 Furnish and Install Valve Box Chamber	1	EA	incl.	\$0.00	\$0	\$0
13 Mixer	1	EA	\$17,000.00	\$17,000.00	\$17,000	\$0
14 Flow Meter	1	EA	\$10,000.00	\$10,000.00	\$10,000	\$0
15 Furnish and Install Gas Generator with Concrete Slab Base	1	EA	\$120,000.00	\$120,000.00	\$120,000	\$0
16 Furnish and Install 3/4" Gas Service to Generator	350	LF	\$225.00	\$78,750.00	\$78,750	\$0
17 Furnish and install Electric Service and Control Panel(allowance)	1	LS	\$375,000.00	\$375,000.00	\$375,000	\$0
18 Furnish and Install 6 inch PVC Force Main Connection	110	LF	\$450.00	\$49,500.00	\$49,500	\$0
19 Furnish and Install Structural Fill (Allowance)	250	CY	\$75.00	\$18,750.00	\$18,750	\$0
20 Abandoned Existing Sewer	1	LS	\$5,000.00	\$5,000.00	\$5,000	\$0
21 Existing Pump Station Conversion	1	LS	\$30,000.00	\$30,000.00	\$30,000	\$0
22 Rock Removal (allowance)	1	LS	\$30,000.00	\$30,000.00	\$30,000	\$0
23 Misc. Utility / Lighting	1	LS	\$3,500.00	\$3,500.00	\$3,500	\$0
24 Furnish and Install 6 feet High Vinyl Decorative Privacy Fence	190	LF	\$275.00	\$52,250.00	\$52,250	\$0
25 Sawcut Pavement	3,300	LF	\$3.50	\$11,550.00	\$11,550	\$0
26 Remove Asphalt	3,300	SF	\$3.50	\$11,550.00	\$11,550	\$0
27 Furnish and Install 6" Sub Base	3,300	SF	\$4.50	\$14,850.00	\$14,850	\$0
28 Furnish and install Asphalt Binder (4")	3,300	SF	\$4.25	\$14,025.00	\$14,025	\$0
29 Furnish and Install Asphalt Top (1-1/2")	6,600	SF	\$3.75	\$24,750.00	\$24,750	\$0
30 Sewer Pipe and Manhole Testing	2,985	LF	\$7.50	\$22,387.50	\$22,388	\$0
31 Concrete Curb Replacement	200	LF	\$35.00	\$7,000.00	\$7,000	\$0
32 Commisioning	1	LS	\$5,500.00	\$5,500.00	\$5,500	\$0
33 Landscape / Restoration	1	LS	\$30,000.00	\$30,000.00	\$30,000	\$0
Sub Total				\$2,479,113	\$2,479,113	\$0
10% Design, Legal and Administrative				\$247,911	\$247,911	\$0
15% Construction Contingency				\$371,867	\$371,867	\$0
Total Cost				\$3,098,891	\$3,098,891	\$0

New Bond amount for CTC sewer

ESTIMATE OF PROBABLE COST - SITE RESTORATION BOND

This Bond Estimate was prepared to identify potential costs to provide stabilization, landscape screening, completion of the public water main extension and installation of the stormwater detention system in the event the project was not completed and abandoned.

(1)	(2)	(3)	(4)	(5) = (3) * (4)	(6)	(7) = (5) * (6)
DESCRIPTION	UNIT	UNIT COST	QUANTITY	COST	WORK COMPLETED	BALANCE TO FINISH
1 Erosion Control - 12 Months until Stabilized	AC	\$6,000.00	10.0	\$60,000	\$57,000	\$3,000.00
2 Site Excavation for Restoration of Disturbed Areas						
a Cuts to Fills, for general shaping to stabilize	CY	\$12.00	25,000	\$300,000	\$295,000	\$5,000.00
b Rock Removal - assume 1/2 of total	CY	\$50.00	20,500	\$1,025,000	\$1,025,000	\$0.00
c Topsoil Spread - 6-inches at 10-acres	CY	\$25.00	8,100	\$202,500	\$192,375	\$10,125.00
3 Stream Relocation						
a. New Spillway	LS	\$15,000.00	1	\$15,000	\$15,000	\$0.00
b. Excavation and Shaping	CY	\$200.00	600	\$120,000	\$120,000	\$0.00
c. Boulders in Stream	EA	\$450.00	125	\$56,250	\$56,250	\$0.00
d. Bedding, Stone Matting	CY	\$150.00	75	\$11,250	\$11,250	\$0.00
e. Plantings, Stream Bed	LS	\$50,000.00	1	\$50,000	\$47,500	\$2,500.00
f. Head Wall	EA	\$10,000.00	1	\$10,000	\$10,000	\$0.00
4 Storm System Installation for Stabilization						
a. 15" ACCMP-H	LF	\$100.00	500	\$50,000	\$50,000	\$0.00
b. 18" ACCMP-H	LF	\$110.00	500	\$55,000	\$55,000	\$0.00
c. 24" ACCMP-H	LF	\$120.00	500	\$60,000	\$60,000	\$0.00
d. Catch Basins	EA	\$4,000.00	5	\$20,000	\$20,000	\$0.00
e. DMH	EA	\$5,000.00	7	\$35,000	\$35,000	\$0.00
f. Drainage Inlet	EA	\$3,000.00	2	\$6,000	\$6,000	\$0.00
g. Hydrodynamic Separators	EA	\$17,000.00	5	\$85,000	\$85,000	\$0.00
h. Detention System						
i. 5' Dia Piping	LF	\$145.00	2,331	\$337,995	\$337,995	\$0.00
j. 4' Dia Piping	LF	\$120.00	400	\$48,000	\$48,000	\$0.00
k. Control Structures	LF	\$7,500.00	2	\$15,000	\$15,000	\$0.00
5. Water System						
a. 8" DIP CL 56	LF	\$90.00	1,600	\$144,000	\$144,000	\$0.00
c. 8" Gate Valves	EA	\$500.00	8	\$4,000	\$4,000	\$0.00
e. Hydrants	EA	\$4,000.00	4	\$16,000	\$16,000	\$0.00
f. Misc. bends, fittings, etc.	NEC	\$5,000.00	1	\$5,000	\$5,000	\$0.00
g. Testing	NEC	\$3,000.00	1	\$3,000	\$3,000	\$0.00
6. Planting						
a. Trees, Woodland Buffer Restoration	EA	\$750.00	216	\$162,000	\$153,900	\$8,100.00
b. Shrubs	EA	\$175.00	200.0	\$35,000	\$31,500	\$3,500.00
7. Seeding						
a. Exposed Soils - 10-acres	SF	\$0.15	435,600	\$65,340	\$62,073	\$3,267.00
TOTAL				\$2,996,335.00	\$2,960,843.00	\$35,492.00
CONTINGENCIES (5%)				\$149,817	0	\$10,000.00
TOTAL ESTIMATED COST				\$3,146,152	\$2,960,843	\$45,492
ROUND TO:				\$3,150,000	\$ 3,000,000	\$ 50,000

\$10K for DOT

New Bond amount for Main Site

Table I: Cortlandt Boulevard West Sewer Estimated Cost

	(1)	(2)	(3)	(4)	(5) = (3)*(4)	(6)	(7) = (5)-(6)
	Item	Quantity	Unit	Unit Price	Total	Work Completed	Balance to finish
1	Mobilization	1	LS	\$10,000.00	\$10,000	\$10,000	\$0
2	Layout	1	LS	\$15,000.00	\$15,000	\$15,000	\$0
3	ESC	1	LS	\$10,000.00	\$10,000	\$10,000	\$0
4	Traffic Controls (MPT)	1	LS	\$15,000.00	\$15,000	\$15,000	\$0
5	Furnish and Install 6 feet Dia. Sanitary Manhole < 10' Deep	7	EA	\$11,000.00	\$77,000	\$77,000	\$0
6	Furnish and Install 6 feet Dia. Sanitary Manhole > 10' Deep	2	EA	\$13,000.00	\$26,000	\$26,000	\$0
7	Furnish and Install 12 inch DIP Gravity Sewer	190	LF	\$400.00	\$76,000	\$76,000	\$0
8	Manhole with Channel Diverter	1	EA	\$12,000.00	\$12,000	\$12,000	\$0
9	Furnish and Install Precast Conc. Pump Station & Wet Well	1	EA	\$275,000.00	\$275,000	\$275,000	\$0
10	Furnish and Install 17 HP Flygt Sewer Pumps	1	LS	\$125,000.00	\$125,000	\$125,000	\$0
11	Furnish and Install Valve Box Chamber	1	EA	incl.	\$0	\$0	\$0
12	Mixer	1	EA	\$17,000.00	\$17,000	\$17,000	\$0
13	Flow Meter	1	EA	\$10,000.00	\$10,000	\$10,000	\$0
14	Air/Vacuum Valves with Manhole	2	EA	\$12,000.00	\$24,000	\$24,000	\$0
15	Furnish and Install Gas Generator with Concrete Slab Base	1	EA	\$150,000.00	\$150,000	\$150,000	\$0
16	Furnish and Install 3/4" Gas Service to Generator	60	LF	\$225.00	\$13,500	\$13,500	\$0
17	Furnish and install Electric Service and Control Panel	1	LS	\$250,000.00	\$250,000	\$250,000	\$0
18	Furnish and Install 8 inch DIP Force Main	2,775	LF	\$250.00	\$693,750	\$693,750	\$0
19	Furnish and Install Structural Fill (Allowance)	100	CY	\$75.00	\$7,500	\$7,500	\$0
20	Furnish and Install Blow Off Valve	1	EA	\$6,000.00	\$6,000	\$6,000	\$0
21	Misc. Electric	1	LS	\$2,500.00	\$2,500	\$2,500	\$0
22	Furnish and Install 6 feet High Vinyl Decorative Privacy Fence	136	LF	\$225.00	\$30,600	\$30,600	\$0
23	Rock Removal (allowance)	1	LS	\$25,000.00	\$25,000	\$25,000	\$0
24	Sawcut Pavement	3,100	LF	\$3.50	\$10,850	\$10,850	\$0
25	Remove Asphalt	6,000	SF	\$3.50	\$21,000	\$21,000	\$0
26	Furnish and Install 6" Sub Base	6,000	SF	\$4.50	\$27,000	\$27,000	\$0
27	Furnish and Install Asphalt Binder (4")	6,000	SF	\$4.25	\$25,500	\$25,500	\$0
28	Furnish and Install Asphalt Top (1-1/2")	15,000	SF	\$3.75	\$56,250	\$56,250	\$0
29	Sewer Pipe and Manhole Testing	3,005	LF	\$7.50	\$22,538	\$22,538	\$0
30	Asphalt Curb Replacement	2,700	LF	\$10.00	\$27,000	\$27,000	\$0
31	Laurie Rd By-pass 8" CL-52 DIP Pipe	330	LF	\$250.00	\$82,500	\$82,500	\$0
32	Laurie Rd By-pass Sewer manholes	5	EA	\$11,000.00	\$55,000	\$55,000	\$0
33	Laurie Rd By-pass connections	2	EA	\$10,000.00	\$20,000	\$20,000	\$0
34	Laurie Rd By-pass Asphalt replacement	900	SF	\$13.00	\$11,700	\$11,700	\$0
35	Community Center Sewer Replacement 10" SDR-35 PVC	375	LF	\$275.00	\$103,125	\$103,125	\$0
36	Community Center Sewer Replacement Manholes	2	EA	\$17,000.00	\$34,000	\$34,000	\$0
37	Community Center Abandoned Existing Sewer / Manholes	1	LS	\$5,000.00	\$5,000	\$5,000	\$0
38	Community Center Grading (Fill On-Site) Apply Seed and Hay	1	LS	\$15,000.00	\$15,000	\$15,000	\$0
39	Manhole Conversion at Community Center	5	EA	\$6,000.00	\$30,000	\$30,000	\$0
40	Commsioning	1	LS	\$5,500.00	\$5,500	\$5,500	\$0
41	Landscape Restoration	1	LS	\$15,000.00	\$15,000	\$11,250	\$3,750
	Sub Total				\$2,437,813	\$2,434,063	\$3,750
	10% Design, Legal and Administrative				\$243,781	\$243,781.25	\$0
	15% Construction Contingency				\$365,672	\$365,672	\$0
	Total Cost				\$3,047,266	\$3,043,516	\$3,750
				Round to			\$4,000

landscape restoration

New Bond amount for Westbrook sewer