

**City of Woburn, MA**  
**CIP Project 4 Sewer Rehabilitations**  
**BID SUMMARY**  
**BID DATE: January 6, 2022**



	<b>Contractor</b>	<b>Base Bid</b>	<b>Base Bid Plus Alternate Bid No. 1</b>
1	National Water Main Cleaning Company	\$658,772.84	\$741,411.40
2	Insituform Technologies, LLC	\$711,214.46	\$810,231.91
3	Green Mountain Pipeline Services	\$778,373.80	\$879,689.31

\\wse03.local\WSE\Depts\CSD\Bid Tabulation\2022\Woburn, MA - CIP Project 4 Sewer Rehabilitations.xlsx\Bid Summary

BID DATE: January 6, 2022

Item No.	Cont. Quant.	Item Description	National Water Canton, MA		Insituform Technologies Charlton, MA		Green Mountain Bethel, VT	
			Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
<b>Base Bid</b>								
<b>Sewers Complete in Place</b>								
1a	22	6" PVC sewers, excavation length greater than 20 lin ft, per lin ft	\$445.00	\$9,790.00	\$390.00	\$8,580.00	\$405.00	\$8,910.00
1b	10	8" PVC sewers, excavation length less than 20 lin ft, per lin ft	\$470.00	\$4,700.00	\$740.00	\$7,400.00	\$770.00	\$7,700.00
1c	61	8" PVC sewers, excavation length greater than or equal to 20 lin ft, per lin ft	\$470.00	\$28,670.00	\$351.00	\$21,411.00	\$365.00	\$22,265.00
<b>Building Connection Systems</b>								
2a	2	8x6 inch wye or tee branches for PVC pipe, each	\$2,100.00	\$4,200.00	\$3,701.00	\$7,402.00	\$3,850.00	\$7,700.00
2b	5	6-inch sewer chimneys, per vt ft	\$1,150.00	\$5,750.00	\$671.00	\$3,355.00	\$698.00	\$3,490.00
2c	40	6-inch PVC building connections, per lin ft	\$470.00	\$18,800.00	\$475.00	\$19,000.00	\$495.00	\$19,800.00
<b>Additional Earthwork</b>								
3a	100	Earth excavation and backfill below normal grade, per cub yd	\$0.01	\$1.00	\$0.01	\$1.00	\$1.00	\$100.00
3b	100	Test pits, per cub yd	\$0.01	\$1.00	\$0.01	\$1.00	\$0.01	\$1.00 *
<b>Pavement Replacement</b>								
4a	133	Permanent trench width binder course pavement (4-inches thick), per lin ft	\$105.00	\$13,965.00	\$63.50	\$8,445.50	\$66.00	\$8,778.00
4b	133	Permanent top course pavement (2-inches thick) and cold planing, per lin ft	\$0.01	\$1.33	\$99.50	\$13,233.50	\$103.00	\$13,699.00
4c	25	Additional pavement, per ton	\$0.01	\$0.25	\$0.01	\$0.25	\$0.01	\$0.25 *
<b>Water and Drain Reconstruction</b>								
5a	6	Water and drain reconstruction within sewer trench limits, each	\$0.01	\$0.06	\$0.01	\$0.06	\$0.01	\$0.06
<b>Sewer Line and Manhole Chemical Root Treatment</b>								
6a	570	Chemical root treatment of 8-inch sewers, per lin ft	\$1.65	\$940.50	\$2.15	\$1,225.50	\$1.90	\$1,083.00
6b	301	Chemical root treatment of 20-inch sewers, per lin ft	\$7.65	\$2,302.65	\$3.15	\$948.15	\$5.70	\$1,715.70
6c	3	Chemical root treatment of manholes, each	\$165.00	\$495.00	\$370.00	\$1,110.00	\$165.00	\$495.00
<b>Structural Cured-in-Place Short Liners</b>								
7a	4	Structural Cured in place short liner for 8-inch sewers, per lin ft	\$300.00	\$1,200.00	\$370.00	\$1,480.00	\$600.00	\$2,400.00
7b	4	Structural Cured in place short liner for 12-inch sewers, per lin ft	\$300.00	\$1,200.00	\$425.00	\$1,700.00	\$700.00	\$2,800.00
<b>Cured-in-Place Pipe</b>								
8a	151	Cured in place pipe for 6-inch sewers, per lin ft	\$30.15	\$4,552.65	\$37.00	\$5,587.00	\$34.00	\$5,134.00
8b	2,877	Cured in place pipe for 8-inch sewers, per lin ft	\$29.50	\$84,871.50	\$30.50	\$87,748.50	\$31.00	\$89,187.00
8c	468	Cured in place pipe for 10-inch sewers, per lin ft	\$39.60	\$18,532.80	\$32.00	\$14,976.00	\$35.00	\$16,380.00
8d	730	Cured in place pipe for 12-inch sewers, per lin ft	\$35.25	\$25,732.50	\$37.00	\$27,010.00	\$45.00	\$32,850.00
8e	1,099	Cured in place pipe for 15-inch sewers, per lin ft	\$42.15	\$46,322.85	\$51.50	\$56,598.50	\$55.00	\$60,445.00
8f	51	Grout reinstated service connections, each	\$325.00	\$16,575.00	\$350.00	\$17,850.00	\$350.00	\$17,850.00
<b>Structural Cured-in-Place Pipe</b>								
9a	284	Structural cured in place pipe for 6-inch sewers, per lin ft	\$30.15	\$8,562.60	\$37.00	\$10,508.00	\$34.00	\$9,656.00
9b	260	Structural cured in place pipe for 8-inch sewers, per lin ft	\$29.50	\$7,670.00	\$30.50	\$7,930.00	\$31.00	\$8,060.00
9c	756	Structural cured in place pipe for 12-inch sewers, per lin ft	\$35.25	\$26,649.00	\$37.00	\$27,972.00	\$45.00	\$34,020.00
9d	406	Structural cured in place pipe for 15-inch sewers, per lin ft	\$42.15	\$17,112.90	\$51.50	\$20,909.00	\$55.00	\$22,330.00
9e	1,326	Structural cured in place pipe for 20-inch sewers, per lin ft	\$80.00	\$106,080.00	\$79.00	\$104,754.00	\$85.00	\$112,710.00
9f	62	Grout reinstated service connections, each	\$325.00	\$20,150.00	\$350.00	\$21,700.00	\$350.00	\$21,700.00
<b>Sewer Manhole Rehabilitation</b>								
10a	330	Cementitious lining of manholes, per vt ft	\$165.00	\$54,450.00	\$159.00	\$52,470.00	\$250.00	\$82,500.00
10b	9	Build manhole bench and invert, per bench and invert	\$1,000.00	\$9,000.00	\$1,270.00	\$11,430.00	\$1,500.00	\$13,500.00
10c	1	Furnish and install manhole frame and cover, per frame and cover	\$1,260.00	\$1,260.00	\$2,221.00	\$2,221.00	\$2,310.00	\$2,310.00
10d	11	Furnish and install manhole inflow dish, each	\$75.00	\$825.00	\$264.00	\$2,904.00	\$200.00	\$2,200.00
10e	4	Install internal drop connection, per vt ft	\$360.00	\$1,440.00	\$220.00	\$880.00	\$200.00	\$800.00
<b>Service Connection Rehabilitation</b>								
11a	12	Cutting of protruding service connections, per service	\$100.00	\$1,200.00	\$407.00	\$4,884.00	\$150.00	\$1,800.00
11b	4	Inspect and test service connection, per service	\$1.00	\$4.00	\$370.00	\$1,480.00	\$350.00	\$1,400.00
11c	4	Grout service connection, per service	\$1.00	\$4.00	\$26.50	\$106.00	\$0.01	\$0.04
<b>Cleaning and Inspection of Sewers</b>								
12a	1,672	Cleaning & inspection of sewers, per lin ft	\$4.00	\$6,688.00	\$4.00	\$6,688.00	\$3.00	\$5,016.00
<b>Post Construction Flow Isolation</b>								
13a	7,031	Post construction flow isolation of sewers, per lin ft	\$0.75	\$5,273.25	\$0.50	\$3,515.50	\$1.25	\$8,788.75
<b>Mobilization</b>								
14a	1	Mobilization (not more than 5% of items 1-13)	\$5,000.00	\$5,000.00	\$27,000.00	\$27,000.00	\$30,000.00	\$30,000.00
<b>Allowances for Services of Uniformed Officers</b>								
15a	1,600	Uniformed officers for traffic control, regular rate, per hour	\$52.00	\$83,200.00	\$52.00	\$83,200.00	\$52.00	\$83,200.00
15b	200	Uniformed officers for traffic control, overtime, per hour	\$78.00	\$15,600.00	\$78.00	\$15,600.00	\$78.00	\$15,600.00
<b>Total of Base Bid</b>				<b>\$658,772.84</b>		<b>\$711,214.46</b>		<b>\$778,373.80 *</b>

BID DATE: January 6, 2022

Item No.	Cont. Quant.	Item Description	National Water Canton, MA		Insituform Technologies Charlton, MA		Green Mountain Bethel, VT	
			Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
<b>Alternate Bid No. 1</b>								
<b>Sewer Line and Manhole Chemical Root Treatment</b>								
16a	723	Chemical root treatment of 12-inch sewers, per lin ft	\$1.97	\$1,424.31	\$2.15	\$1,554.45	\$2.25	\$1,626.75
<b>Cured-in-Place Pipe</b>								
17a	146	Cured in place pipe for 6-inch sewers, per lin ft	\$30.15	\$4,401.90	\$46.00	\$6,716.00	\$34.00	\$4,964.00
17b	255	Cured in place pipe for 8-inch sewers, per lin ft	\$29.50	\$7,522.50	\$38.00	\$9,690.00	\$31.00	\$7,905.00
17c	26	Cured in place pipe for 10-inch sewers, per lin ft	\$39.60	\$1,029.60	\$77.50	\$2,015.00	\$35.00	\$910.00
17d	768	Cured in place pipe for 12-inch sewers, per lin ft	\$35.25	\$27,072.00	\$44.00	\$33,792.00	\$45.00	\$34,560.00
17e	9	Grout reinstated service connections, each	\$325.00	\$2,925.00	\$350.00	\$3,150.00	\$350.00	\$3,150.00
<b>Sewer Manhole Rehabilitation</b>								
18a	75	Cementitious lining of manholes, per vt ft	\$165.00	\$12,375.00	\$159.00	\$11,925.00	\$250.00	\$18,750.00
18b	1	Furnish and install manhole frame and cover, per frame and cover	\$1,320.00	\$1,320.00	\$2,221.00	\$2,221.00	\$2,310.00	\$2,310.00
18c	18	Furnish and install manhole inflow dish, each	\$75.00	\$1,350.00	\$264.00	\$4,752.00	\$200.00	\$3,600.00
<b>Service Connection Rehabilitation</b>								
19a	1	Inspect and test service connection, per service	\$1.00	\$1.00	\$370.00	\$370.00	\$350.00	\$350.00
19b	1	Grout service connection, per service	\$1.00	\$1.00	\$26.50	\$26.50	\$0.01	\$0.01
<b>Cleaning and Inspection of Sewers</b>								
20a	312	Cleaning & inspection of sewers, per lin ft	\$5.00	\$1,560.00	\$4.00	\$1,248.00	\$3.00	\$936.00
<b>Post Construction Flow Isolation</b>								
21a	1,195	Post construction flow isolation of sewers, per lin ft	\$0.75	\$896.25	\$0.50	\$597.50	\$1.25	\$1,493.75
<b>Mobilization</b>								
22a	1	Mobilization (not more than 5% of items 16-21)	\$1,000.00	\$1,000.00	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00
<b>Allowances for Services of Uniformed Officers</b>								
23a	320	Uniformed officers for traffic control, regular rate, per hour	\$52.00	\$16,640.00	\$52.00	\$16,640.00	\$52.00	\$16,640.00
23b	40	Uniformed officers for traffic control, overtime, per hour	\$78.00	\$3,120.00	\$78.00	\$3,120.00	\$78.00	\$3,120.00
<b>Total of Alternate Bid No. 1</b>				<b>\$82,638.56</b>		<b>\$99,017.45</b>		<b>\$101,315.51</b>
<b>Base Bid</b>				<b>\$658,772.84</b>		<b>\$711,214.46</b>		<b>\$778,373.80 *</b>
<b>Base Bid plus Alternate Bid No. 1</b>				<b>\$741,411.40</b>		<b>\$810,231.91</b>		<b>\$879,689.31 *</b>

\*Corrected extension error in calculation