



*engineers • architects • planners • environmental specialists
land surveyors • landscape architects • building inspectors*

MEMO

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DATE: January 14, 2016
TO: Village of North Hudson Board and Public Works Members
FROM: Kevin Oium, Village Engineer
REGARDING: 2015 Street & Utility Improvements - Payment Request #4

Total Excavating has submitted Payment Request #4 for the above-mentioned project. Attached is a copy for your reference. I have reviewed the requested quantities and find them to be accurate. At this point in the project, the Village should continue to withhold a 1% retainage. Accordingly, I recommend payment to Total Excavating in the amount of \$45,697.46.

Unit Price Progress Estimate

Contractor's Application

For (contract):		2015 Street & Utility Improvements		Application Number: 4		December 29, 2015																			
Application Period:				Application Date:																					
Bid No.	Item Description	Estimated Bid Quantity	Unit Price	B		C		D		E		F		G		H		I		J					
				Previous Applications Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	% Comp.	
Schedule A - Pine Street N. (7th Street N. to Lemon Street N.)																									
Sanitary Sewer																									
2720.01004	Sanitary Sewer Lateral, 4", SDR 35, 4"	260 L.F.	\$26.50	224	\$5,936.00																				
2720.01008	Sanitary Sewer, PVC, SDR 35, 8"	990 L.F.	\$36.00	950	\$34,200.00	6.00	\$216.00																		
2720.01251	Sanitary Manhole, Outside Drop	12 V.F.	\$254.00	12	\$3,048.00																				
2720.01114	Wye, 8"x4"	13 EA.	\$97.00	13	\$1,261.00																				
2720.01201	Sanitary Manhole, Type I	57.2 V.F.	\$162.00	55	\$8,910.00	2.2	\$356.40																		
2720.01301	Sanitary Casting, Type J	4 EA.	\$500.00	4	\$2,000.00																				
2720.01401	Connect to Existing Sanitary Structure	1 EA.	\$1,250.00	1	\$1,250.00																				
2720.03002	Tracer Wire Signal Connection Box	13 EA.	\$50.00	13	\$650.00																				
2720.05001	Televising	990 L.F.	\$1.50	950	\$1,425.00	6	\$9.00																		
Subtotal Sanitary Sewer																									
Watermain																									
2100.00106	Remove Hydrant	1 EA.	\$750.00	1	\$750.00																				
2713.00006	Watermain, Ductile Iron, 6"	15 L.F.	\$40.00	16.5	\$660.00																				
2713.00008	Watermain, Ductile Iron, 8"	920 L.F.	\$46.75	937	\$43,804.75	-22	-\$1,028.50																		
2713.0021	Water Service Lateral, Copper, 1.0"	235 L.F.	\$24.25	290	\$7,032.50																				
2713.0031	Corporation Stop, 1.0"	12 EA.	\$152.00	12	\$1,824.00																				
2713.0041	Curbstop, 1.0"	12 EA.	\$200.00	12	\$2,400.00																				
2713.00501	Hydrant	2 EA.	\$3,702.00	2	\$7,404.00																				
2713.00606	Gate Valve, 6"	2 EA.	\$1,145.00	2	\$2,290.00																				
2713.00608	Gate Valve, 8"	5 EA.	\$1,540.00	5	\$7,700.00																				
2713.00701	Connect to Existing (Cut-in)	1 EA.	\$1,030.00	1	\$1,030.00																				
2713.00702	Connect to Existing (Wet-tap)	1 EA.	\$3,205.00	1	\$3,205.00																				
2713.00703	Maintain Water Service	0.5 L.S.	\$10,000.00	0.5	\$5,000.00																				
2713.00901	Insulation, 4"	256 S.F.	\$5.00	192	\$960.00																				
Subtotal Watermain																									
Storm Sewer																									
2720.00012	Storm Sewer, RCP, 12"	70 L.F.	\$28.25	70	\$1,977.50																				
2720.00015	Storm Sewer, RCP, 15"	335 L.F.	\$29.75	335	\$9,966.25																				
2720.00353	Storm Inlet, Type III	10.8 V.F.	\$261.00	10	\$2,610.00	0.8	\$208.80																		
2720.00401	Storm Casting, Type D	5 EA.	\$550.00	5	\$2,750.00	-2	-\$1,100.00																		
2720.00802	Connect to Existing Storm Structure	2 EA.	\$700.00	2	\$1,400.00																				
2720.99001	Televising	405 L.F.	\$1.50	405	\$607.50																				
Subtotal Storm Sewer																									
Total Completed & Stored to Date (C+E+G) Amount																									
\$18,420.05																									

Unit Price Progress Estimate

Contractor's Application

For (contract):		2015 Street & Utility Improvements		Application Number: 4		December 29, 2015															
Application Period:				Application Date:																	
Bid No.	Item Description	A		B		C		D		E		F		G		H		I		J	
		Estimated Bid Quantity	Unit Price	Previous Applications Quantity	Quantity Completed This Application	Materials Stored	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity
Street Construction																					
2100.00001	Clearing & Grubbing	160 I.D.	\$25.00	58		\$1,450.00											58	\$1,450.00			36.3%
2100.00101	Remove Curb & Gutter	140 L.F.	\$3.00	140		\$420.00											140	\$420.00			100.0%
2100.00102	Remove Concrete	45 S.Y.	\$5.00	45		\$225.00											45	\$225.00			100.0%
2100.00103	Remove Asphaltic Pavement	2715 S.Y.	\$1.75	2175		\$3,806.25											2175	\$3,806.25			80.1%
2100.00401	Sawcut	335 L.F.	\$3.00	250		\$750.00			85		\$255.00						335	\$1,005.00			100.0%
2100.99001	Remove Cleanout	3 EA.	\$100.00	3		\$300.00											3	\$300.00			100.0%
2100.99002	Remove & Reinstall Existing Retaining Wall	1 L.S.	\$2,000.00																		
2200.00001	Excavation, Common	1060 C.Y.	\$7.00	1060		\$7,420.00											1060	\$7,420.00			100.0%
2225.00001	Crushed Aggregate Base, Roadway	725 C.Y.	\$16.50	725		\$11,962.50											725	\$11,962.50			100.0%
2225.00002	Crushed Aggregate Base, Driveways	35 C.Y.	\$16.50	35		\$577.50											35	\$577.50			100.0%
2270.00011	Silt Fence	200 L.F.	\$2.00	200		\$400.00											200	\$400.00			100.0%
2270.00002	Intermediate Erosion Mat	150 S.Y.	\$3.00						130		\$390.00						130	\$390.00			86.7%
2270.00014	Inlet Protection	9 EA.	\$100.00	2		\$200.00											2	\$200.00			22.2%
2270.00015	Aggregate Tracking Pad	75 C.Y.	\$27.00																		
2513.00015	HMA, Binder, 1.5"	2500 S.Y.	\$5.81	2250		\$13,072.50			259		\$1,504.79						2509	\$14,577.29			100.4%
2513.0115	HMA, Surface, 1.5"	2500 S.Y.	\$5.81	2250		\$13,072.50			259		\$1,504.79						2509	\$14,577.29			100.4%
2513.02001	HMA, Driveway	20 S.Y.	\$18.60	20		\$372.00			115		\$2,139.00						135	\$2,511.00			675.0%
2513.30001	Adjust Existing Casting	1 EA.	\$200.00	1		\$200.00											1	\$200.00			100.0%
2513.30002	Adjust Existing Valve	1 EA.	\$200.00	1		\$200.00											1	\$200.00			100.0%
2521.00003	Concrete Curb & Gutter, 30" Mountable	1975 L.F.	\$10.00	1975		\$19,750.00			5		\$50.00						1980	\$19,800.00			100.3%
2521.00206	Concrete Driveway, 6"	1700 S.F.	\$5.00	1700		\$8,500.00			338		\$1,690.00						2038	\$10,190.00			119.9%
2521.00401	Concrete Steps	50 S.F.	\$16.00	25		\$400.00			42		\$672.00						67	\$1,072.00			134.0%
2890.0001	Traffic Control	0.5 L.S.	\$5,000.00	0.5		\$2,500.00											0.5	\$2,500.00			100.0%
2910.00101	Restoration, Seed	2250 S.Y.	\$2.50	2000		\$5,000.00			-450		-\$1,125.00						1550	\$3,875.00			68.9%
Subtotal Street Construction																					
Schedule A Total																					
Schedule B - Lakeview Drive N. (Pine Street N. to Termini)																					
Sanitary Sewer																					
2720.01004	Sanitary Sewer Lateral, 4", SDR 35, 4"	245 L.F.	\$26.50	220		\$5,830.00											220	\$5,830.00			89.8%
2720.01008	Sanitary Sewer, PVC, SDR 35, 8"	815 L.F.	\$35.50	815		\$28,932.50			-5		-\$177.50						810	\$28,755.00			99.4%
2720.01114	Wye, 8"x4"	8 EA.	\$97.00	8		\$776.00											8	\$776.00			100.0%
2720.01201	Sanitary Manhole, Type I	41 V.F.	\$179.25	40		\$7,170.00			0.3		\$53.78						40.3	\$7,223.78			98.3%
2720.01301	Sanitary Casting, Type J	3 EA.	\$500.00	3		\$1,500.00											3	\$1,500.00			100.0%
2720.03002	Tracer Wire Signal Connection Box	8 EA.	\$50.00	8		\$400.00											8	\$400.00			100.0%
2720.05001	Televising	815 L.F.	\$1.50	815		\$1,222.50			-5		-\$7.50						810	\$1,215.00			99.4%
Subtotal Sanitary Sewer																					

Unit Price Progress Estimate

Contractor's Application

For (contract):		2015 Street & Utility Improvements										Application Number: 4							
Application Period:		December 29, 2015																	
Bid No.	Item Description	Estimated Bid Quantity	Unit Price	B		C		D		E		F		G		H	I	J	
				Previous Applications Quantity	Amount	This Application Quantity	Amount	Materials Stored Quantity	Amount	Total Completed to Date (C+E+G) Quantity	Amount	% Comp.							
Watermain																			
2100.00106	Remove Hydrant	2 EA.	\$750.00	2	\$1,500.00											2	\$1,500.00	100.0%	
2713.00006	Watermain, Ductile Iron, 6"	20 L.F.	\$40.00	20	\$800.00											20	\$800.00	100.0%	
2713.00008	Watermain, Ductile Iron, 8"	795 L.F.	\$47.00	795	\$37,365.00											795	\$37,365.00	100.0%	
2713.00021	Water Service Lateral, Copper, 1.0"	280 L.F.	\$24.25	316	\$7,663.00											316	\$7,663.00	112.9%	
2713.00031	Corporation Stop, 1.0"	8 EA.	\$152.00	10	\$1,520.00											10	\$1,520.00	125.0%	
2713.00041	Curbstop, 1.0"	8 EA.	\$200.00	10	\$2,000.00											10	\$2,000.00	125.0%	
2713.00501	Hydrant	2 EA.	\$3,702.00	2	\$7,404.00											2	\$7,404.00	100.0%	
2713.00606	Gate Valve, 6"	2 EA.	\$1,145.00	2	\$2,290.00											2	\$2,290.00	100.0%	
2713.00608	Gate Valve, 8"	1 EA.	\$1,540.00	1	\$1,540.00											1	\$1,540.00	100.0%	
2713.00703	Maintain Water Service	0.5 L.S.	\$10,000.00	0.5	\$5,000.00											0.5	\$5,000.00	100.0%	
Subtotal Watermain																			
Street Construction																			
2100.00001	Clearing & Grubbing	250 I.D.	\$25.00	250	\$6,250.00											250	\$6,250.00	100.0%	
2100.00002	Clearing & Grubbing	4.5 STA	\$1,500.00	4.5	\$6,750.00											4.5	\$6,750.00	100.0%	
2100.00103	Remove Asphalt Pavement	1860 S.Y.	\$1.75	1860	\$3,255.00											1860	\$3,255.00	100.0%	
2100.00401	Sawcut	80 L.F.	\$3.00	50	\$150.00			30			\$90.00					80	\$240.00	100.0%	
2200.00001	Excavation, Common	760 C.Y.	\$7.00	760	\$5,320.00											760	\$5,320.00	100.0%	
2225.00001	Crushed Aggregate Base, Roadway	515 C.Y.	\$16.50	515	\$8,497.50											515	\$8,497.50	100.0%	
2225.00002	Crushed Aggregate Base, Driveways	30 C.Y.	\$16.50	30	\$495.00											30	\$495.00	100.0%	
2225.00003	Crushed Aggregate Base, Shoulders	15 C.Y.	\$31.50	300	\$600.00											300	\$600.00	100.0%	
2270.00011	Silt Fence	300 L.F.	\$2.00	15	\$825.00											15	\$825.00	100.0%	
2270.00022	Riprap, Medium	15 C.Y.	\$55.00	2000	\$11,620.00			210			\$1,220.10					2210	\$12,840.10	99.3%	
2513.0015	HMA, Binder, 1.5"	2225 S.Y.	\$5.81	2000	\$11,620.00			210			\$1,220.10					2210	\$12,840.10	99.3%	
2513.0115	HMA, Surface, 1.5"	2225 S.Y.	\$5.81	2000	\$11,620.00			210			\$1,220.10					2210	\$12,840.10	99.3%	
2513.02001	HMA, Driveway	175 S.Y.	\$14.75	150	\$2,212.50			62			\$914.50					212	\$3,127.00	121.1%	
2890.0001	Traffic Control	0.5 L.S.	\$5,000.00	0.5	\$2,500.00			2000			\$5,000.00					0.5	\$2,500.00	100.0%	
2910.00101	Restoration, Seed	2000 S.Y.	\$2.50													2000	\$5,000.00	100.0%	
Subtotal Street Construction																			
Schedule B Total																			
																	\$181,321.48		

Unit Price Progress Estimate

Contractor's Application

For (contract):		2015 Street & Utility Improvements		Application Number: 4		December 29, 2015													
Application Period:				Application Date:															
A		B		C		D		E		F		G		H		I		J	
Bid No.	Item Description	Estimated Bid Quantity	Unit Price	Previous Applications		This Application		Quantity Completed		Materials Stored		Total Completed & Stored to Date (C+E+G)		% Comp.					
				Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount						
Schedule C - Eastbank Condo Watermain																			
Watermain																			
2713.00008	Watermain, Ductile Iron, 8"	135 L.F.	\$80.00	120	\$9,600.00										120	\$9,600.00			88.9%
2713.00021	Water Service Lateral, Copper, 1.0"	90 L.F.	\$33.25	90	\$2,992.50										90	\$2,992.50			100.0%
2713.00031	Corporation Stop, 1.0"	2 EA.	\$152.00	3	\$456.00										3	\$456.00			150.0%
2713.00041	Curbside and Box, 1.0"	2 EA.	\$200.00	1	\$200.00										1	\$200.00			50.0%
2713.00608	Gate Valve, 8"	1 EA.	\$1,540.00	1	\$1,540.00										1	\$1,540.00			100.0%
2713.00701	Connect to Existing (Cut-in)	1 EA.	\$1,030.00	1	\$1,030.00										1	\$1,030.00			100.0%
2713.00901	Insulation, 4"	1600 S.F.	\$8.00	1150	\$9,200.00										1150	\$9,200.00			71.9%
Subtotal Watermain																			
Street Construction																			
2100.00001	Clearing & Grubbing	64 LD.	\$25.00	66	\$1,650.00										66	\$1,650.00			103.1%
2100.00002	Clearing & Grubbing	1 STA.	\$1,500.00	1	\$1,500.00										1	\$1,500.00			100.0%
2100.00102	Remove Concrete	20 S.Y.	\$6.00																
2100.00103	Remove Asphaltic Pavement	550 S.Y.	\$2.00	550	\$1,100.00										550	\$1,100.00			100.0%
2100.00401	Sawcut	50 L.F.	\$3.00																
2200.00001	Excavation, Common	100 C.Y.	\$7.00																
2225.00002	Crushed Aggregate Base, Driveways	100 C.Y.	\$16.50	15	\$247.50										15	\$247.50			15.0%
2270.00011	Silt Fence	50 L.F.	\$2.00																
2910.00101	Restoration, Seed	350 S.Y.	\$2.50	300	\$750.00										355	\$887.50			101.4%
Subtotal Street Construction																			
Schedule C Total																			
Alternate 1 - Lemon Street N. (St. Croix Street N. to Monroe Street N.)																			
Street Construction																			
2100.00401	Sawcut	110 L.F.	\$3.00												110	\$330.00			100.0%
2210.00001	Pulverize & Relay	700 S.Y.	\$5.00												700	\$3,500.00			100.0%
2225.00003	Crushed Aggregate Base, Shoulders	10 C.Y.	\$31.50																
2513.0015	HMA, Binder, 1.5"	700 S.Y.	\$6.62												677	\$4,481.74			96.7%
2513.0115	HMA, Surface, 1.5"	700 S.Y.	\$6.62												677	\$4,481.74			96.7%
2513.02001	HMA, Driveway	50 S.Y.	\$15.46												26	\$401.96			52.0%
2910.00101	Restoration, Seed	300 S.Y.	\$2.50												140	\$350.00			46.7%
Subtotal Street Construction																			
Alternate 1 Total																			
				\$455,903.75								\$27,738.70							
				TOTAL								\$483,642.45							