

VILLAGE OF ARCANUM

Sanitary Sewer Separation Phase III - Contract D (Sanitary Sewer & Water Line Improvements)

Bid Breakdown

Bid Date: Tuesday, February 2, 2010, 11:00 a.m.

Engineer's Est: \$275,000 Base Bid

\$112,400 Alt. #1; \$38,900 Alt. #2; \$18,700 Alt. #3; \$17,900 Alt. #4

Item	Description	Quantity	Engineer's Estimate		CDA Construction Group		Shinn Brothers, Inc.		Tom's Construction	
			Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
Base Bid Schedule										
202	Meter Pit Removed	3 Each	\$100.00	\$300.00	\$91.70	\$275.10	\$50.00	\$150.00	\$109.31	\$327.93
603	4" Storm Drain Repair	1 Each	120.00	120.00	61.00	61.00	15.00	15.00	114.14	114.14
603	6" Storm Drain Repair	1 Each	175.00	175.00	62.50	62.50	33.00	33.00	124.53	124.53
603	8" Storm Drain Repair	1 Each	200.00	200.00	68.00	68.00	45.00	45.00	134.34	134.34
603	12" Storm Drain Repair	1 Each	225.00	225.00	73.70	73.70	66.00	66.00	158.94	158.94
603	8" Inserta Tee Connection	1 Each	450.00	450.00	269.50	269.50	120.00	120.00	256.33	256.33
603	12" Conduit, Type 'B' (707.33)	140 L.F.	45.00	6,300.00	50.00	7,000.00	23.25	3,255.00	52.70	7,378.00
603	12" Conduit, Type 'C' (707.33)	626 L.F.	35.00	21,910.00	18.90	11,831.40	14.75	9,233.50	22.72	14,222.72
603	12" Conduit, Type 'D' (707.01)	195 L.F.	35.00	6,825.00	20.00	3,900.00	27.00	5,265.00	48.06	9,371.70
604	2-2B Catch Basin, As Per Plan	4 Each	750.00	3,000.00	900.00	3,600.00	700.00	2,800.00	1,008.07	4,032.28
614	Maintaining Traffic, As Per Plan	1 L.S.	1,500.00	1,500.00	675.00	675.00	5,000.00	5,000.00	5,590.80	5,590.80
624	Mobilization	1 L.S.	5,000.00	5,000.00	1,800.00	1,800.00	1,000.00	1,000.00	2,775.50	2,775.50
33 11 13	12" Water Line (AWWA C-151)	1148 L.F.	45.00	51,660.00	41.20	47,297.60	41.25	47,355.00	52.00	59,696.00
33 11 13	6" Water Line (AWWA C-151)	12 L.F.	40.00	480.00	34.00	408.00	31.00	372.00	39.80	477.60
33 11 13	12" x 12" Tee	1 Each	700.00	700.00	550.00	550.00	780.00	780.00	500.95	500.95
33 11 13	12" x 6" Tee	2 Each	500.00	1,000.00	492.00	984.00	600.00	1,200.00	390.15	780.30
33 11 13	12" - 45° Bend	1 Each	350.00	350.00	360.00	360.00	530.00	530.00	349.10	349.10
33 11 13	12" - 22-1/2° Bend	1 Each	350.00	350.00	340.00	340.00	498.00	498.00	331.76	331.76
33 11 13	12" x 6" Reducer	1 Each	300.00	300.00	250.00	250.00	364.00	364.00	252.05	252.05
33 11 13	12" Plug	2 Each	250.00	500.00	186.00	372.00	238.00	476.00	222.10	444.20
33 11 13	6" - 45° Bend	2 Each	250.00	500.00	139.28	278.56	202.00	404.00	179.45	358.90
33 11 13	6" Cutting-In-Sleeve	1 Each	400.00	400.00	222.00	222.00	428.00	428.00	170.90	170.90
33 12 13	Water Service Connection Installed	5 Each	750.00	3,750.00	375.00	1,875.00	26.00	130.00	663.36	3,316.80
33 12 13	Water Service Line Installed - Grass Area	280 L.F.	25.00	7,000.00	5.20	1,456.00	6.90	1,932.00	13.91	3,894.80
33 12 13	Water Service Line Installed - Asphalt Area	165 L.F.	40.00	6,600.00	5.90	973.50	79.70	13,150.50	9.43	1,555.95
33 12 16	12" Gate Valve with Box	4 Each	1,800.00	7,200.00	1,800.00	7,200.00	1,765.00	7,060.00	2,015.64	8,062.56
33 12 16	6" Gate Valve with Box	2 Each	850.00	1,700.00	650.00	1,300.00	724.00	1,448.00	715.87	1,431.74
33 12 19	Fire Hydrant Installed	2 Each	350.00	700.00	200.00	400.00	250.00	500.00	378.45	756.90
33 31 00	15" Sanitary Sewer	1166 L.F.	80.00	93,280.00	54.00	62,964.00	57.50	67,045.00	56.19	65,517.54
33 31 00	4" Sanitary Sewer Lateral - 15" Main	9 Each	250.00	2,250.00	176.80	1,591.20	223.00	2,007.00	350.66	3,155.94
33 31 00	4" Sanitary Sewer Lateral - Grass Areas	375 L.F.	15.00	5,625.00	17.50	6,562.50	13.00	4,875.00	29.49	11,058.75
33 31 00	4" Sanitary Sewer Lateral - Asphalt Areas	80 L.F.	45.00	3,600.00	44.00	3,520.00	154.00	12,320.00	32.99	2,639.20
33 31 00	4" PVC Cleanout	5 Each	30.00	150.00	83.58	417.90	45.00	225.00	170.00	850.00
33 39 13	Sanitary Manhole, Type 'A'	4 Each	2,750.00	11,000.00	2,000.00	8,000.00	1,475.00	5,900.00	3,227.87	12,911.48
Spec	Core Drill Manhole	1 Each	1,200.00	1,200.00	904.00	904.00	500.00	500.00	510.88	510.88
Spec	Bond Expense	1 L.S.	3,700.00	3,700.00	5,400.00	5,400.00	2,500.00	2,500.00	3,279.49	3,279.49
	Contingency:			25,000.00						
	Total:			<u>\$275,000.00</u>		<u>\$183,242.46</u>		<u>\$198,982.00</u>		<u>\$226,791.00</u>

VILLAGE OF CANANUM

Sanitary Sewer Separation Phase III - Contract D (Sanitary Sewer & Water Line Improvements)

Bid Breakdown

Bid Date: Tuesday, February 2, 2010, 11:00 a.m.

Engineer's Est: \$275,000 Base Bid

\$112,400 Alt. #1; \$38,900 Alt. #2; \$18,700 Alt. #3; \$17,900 Alt. #4

Item	Description	Quantity	Engineer's Estimate		CDA Construction Group		Shinn Brothers, Inc.		Tom's Construction	
			Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
Alternate Bid Schedule No. 1										
202	Meter Pit Removed	12 Each	\$100.00	\$1,200.00	\$200.00	\$2,400.00	\$50.00	\$600.00	\$400.45	\$4,805.40
202	Water Valve Abandoned	4 Each	100.00	400.00	65.00	260.00	50.00	200.00	277.48	1,109.92
614	Maintaining Traffic, as Per Plan	1 L.S.	1,500.00	1,500.00	340.00	340.00	2,500.00	2,500.00	2,583.69	2,583.69
33 11 13	12" Water Line (AWWA C-151)	847 L.F.	50.00	42,350.00	41.00	34,727.00	43.50	36,844.50	81.01	68,615.47
33 11 13	8" Water Line (AWWA C-151)	80 L.F.	40.00	3,200.00	81.00	6,480.00	42.00	3,360.00	82.74	6,619.20
33 11 13	6" Water Line (AWWA C-151)	93 L.F.	40.00	3,720.00	56.30	5,235.90	33.00	3,069.00	104.34	9,703.62
33 11 13	12" x 12" Cross	1 Each	850.00	850.00	624.20	624.20	1,065.00	1,065.00	660.62	660.62
33 11 13	12" x 8" Tee	3 Each	650.00	1,950.00	574.25	1,722.75	695.00	2,085.00	420.43	1,261.29
33 11 13	12" x 6" Tee	2 Each	500.00	1,000.00	492.00	984.00	592.00	1,184.00	390.15	780.30
33 11 13	12" x 6" Reducer	1 Each	300.00	300.00	250.00	250.00	359.00	359.00	252.05	252.05
33 11 13	12" Plug	2 Each	250.00	500.00	186.00	372.00	234.00	468.00	222.10	444.20
33 11 13	8" x 6" Reducer	3 Each	250.00	750.00	151.00	453.00	275.00	825.00	195.43	586.29
33 11 13	6" - 45° Bend	10 Each	250.00	2,500.00	149.00	1,490.00	200.00	2,000.00	185.62	1,856.20
33 11 13	6" Cutting-In-Sleeve	5 Each	400.00	2,000.00	225.00	1,125.00	422.00	2,110.00	168.52	842.60
33 12 13	Water Service Connection Installed	12 Each	750.00	9,000.00	375.00	4,500.00	25.00	300.00	619.10	7,429.20
33 12 13	Water Service Line Installed - Grass Area	160 L.F.	25.00	4,000.00	12.00	1,920.00	7.00	1,120.00	22.23	3,556.80
33 12 13	Water Service Line Installed - Asphalt Area	375 L.F.	40.00	15,000.00	6.00	2,250.00	81.00	30,375.00	12.98	4,867.50
33 12 16	12" Gate Valve with Box	3 Each	1,800.00	5,400.00	1,800.00	5,400.00	1,750.00	5,250.00	2,015.35	6,046.05
33 12 16	8" Gate Valve with Box	3 Each	1,000.00	3,000.00	853.00	2,559.00	986.00	2,958.00	1,047.29	3,141.87
33 12 16	6" Gate Valve with Box	2 Each	850.00	1,700.00	650.00	1,300.00	716.00	1,432.00	715.87	1,431.74
33 12 19	Fire Hydrant Installed	1 Each	350.00	350.00	245.00	245.00	250.00	250.00	378.99	378.99
Spec	Bond Expense	1 L.S.	1,500.00	1,500.00	2,400.00	2,400.00	800.00	800.00	1,868.00	1,868.00
		Contingency:		10,230.00						
		Total:		\$112,400.00		\$77,037.85		\$99,154.50		\$128,841.00
Alternate Bid Schedule No. 2										
33 11 13	12" Water Line (AWWA C-151)	774 L.F.	\$45.00	\$34,830.00	\$41.00	\$31,734.00	\$40.00	\$30,960.00	\$38.66	\$29,922.84
Spec	Bond Expense	1 L.S.	550.00	550.00	825.00	825.00	300.00	300.00	526.16	526.16
		Contingency:		3,520.00						
		Total:		\$38,900.00		\$32,559.00		\$31,260.00		\$30,449.00
Alternate Bid Schedule No. 3										
33 11 13	12" Water Line (AWWA C-151)	370 L.F.	\$45.00	\$16,650.00	\$41.00	\$15,170.00	\$45.00	\$16,650.00	\$44.10	\$16,317.00
Spec	Bond Expense	1 L.S.	300.00	300.00	200.00	200.00	140.00	140.00	291.00	291.00
		Contingency:		1,750.00						
		Total:		\$18,700.00		\$15,370.00		\$16,790.00		\$16,608.00
Alternate Bid Schedule No. 4										
254	Pavement Planing, Asphalt Concrete	570 S.Y.	\$7.00	\$3,990.00	\$10.30	\$5,871.00	\$7.50	\$4,275.00	\$7.70	\$4,389.00
407	Tack Coat	210 Gal.	4.00	840.00	2.10	441.00	3.50	735.00	3.58	751.80
448	Asphalt Concrete Surface Course, Type 1	70 C.Y.	160.00	11,200.00	195.00	13,650.00	155.00	10,850.00	165.00	11,550.00
Spec	Bond Expense	1 L.S.	250.00	250.00	600.00	600.00	1,200.00	1,200.00	250.20	250.20
		Contingency:		1,620.00						
		Total:		\$17,900.00		\$20,562.00		\$17,060.00		\$16,941.00

VILLAGE OF ARCANUM
Sanitary Sewer Separation Phase III - Contract D (Sanitary Sewer & Water Line Improvements)

Bid Breakdown

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Engineer's Est: \$275,000 Base Bid

\$112,400 Alt. #1; \$38,900 Alt. #2; \$18,700 Alt. #3; \$17,900 Alt. #4

Item	Description	Quantity	Engineer's Estimate		Finrock Construction		Bruns Building & Dev.		Arcon Builders Ltd.	
			Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
Base Bid Schedule										
202	Meter Pit Removed	3 Each	\$100.00	\$300.00	\$200.00	\$600.00	\$127.00	\$381.00	\$200.00	\$600.00
603	4" Storm Drain Repair	1 Each	120.00	120.00	320.00	320.00	262.30	262.30	30.00	30.00
603	6" Storm Drain Repair	1 Each	175.00	175.00	335.00	335.00	289.35	289.35	55.00	55.00
603	8" Storm Drain Repair	1 Each	200.00	200.00	360.00	360.00	324.45	324.45	89.00	89.00
603	12" Storm Drain Repair	1 Each	225.00	225.00	420.00	420.00	363.35	363.35	120.00	120.00
603	8" Inserta Tee Connection	1 Each	450.00	450.00	420.00	420.00	997.30	997.30	189.00	189.00
603	12" Conduit, Type 'B' (707.33)	140 L.F.	45.00	6,300.00	73.00	10,220.00	67.25	9,415.00	28.00	3,920.00
603	12" Conduit, Type 'C' (707.33)	626 L.F.	35.00	21,910.00	32.00	20,032.00	27.04	16,927.04	15.00	9,390.00
603	12" Conduit, Type 'D' (707.01)	195 L.F.	35.00	6,825.00	26.00	5,070.00	44.06	8,591.70	20.00	3,900.00
604	2-2B Catch Basin, As Per Plan	4 Each	750.00	3,000.00	960.00	3,840.00	669.28	2,677.12	825.00	3,300.00
614	Maintaining Traffic, As Per Plan	1 L.S.	1,500.00	1,500.00	5,015.00	5,015.00	14,165.00	14,165.00	2,000.00	2,000.00
624	Mobilization	1 L.S.	5,000.00	5,000.00	3,360.00	3,360.00	25,063.00	25,063.00	500.00	500.00
33 11 13	12" Water Line (AWWA C-151)	1148 L.F.	45.00	51,660.00	68.00	78,064.00	58.40	67,043.20	75.00	86,100.00
33 11 13	6" Water Line (AWWA C-151)	12 L.F.	40.00	480.00	63.00	756.00	42.41	508.92	27.00	324.00
33 11 13	12" x 12" Tee	1 Each	700.00	700.00	952.00	952.00	675.60	675.60	844.00	844.00
33 11 13	12" x 6" Tee	2 Each	500.00	1,000.00	775.00	1,550.00	528.25	1,056.50	640.00	1,280.00
33 11 13	12" - 45° Bend	1 Each	350.00	350.00	707.00	707.00	498.90	498.90	531.00	531.00
33 11 13	12" - 22-1/2° Bend	1 Each	350.00	350.00	680.00	680.00	480.20	480.20	497.00	497.00
33 11 13	12" x 6" Reducer	1 Each	300.00	300.00	550.00	550.00	306.70	306.70	350.00	350.00
33 11 13	12" Plug	2 Each	250.00	500.00	400.00	800.00	223.80	447.60	225.00	450.00
33 11 13	6" - 45° Bend	2 Each	250.00	500.00	450.00	900.00	280.25	560.50	230.00	460.00
33 11 13	6" Cutting-In-Sleeve	1 Each	400.00	400.00	620.00	620.00	604.40	604.40	540.00	540.00
33 12 13	Water Service Connection Installed	5 Each	750.00	3,750.00	450.00	2,250.00	172.00	860.00	273.00	1,365.00
33 12 13	Water Service Line Installed - Grass Area	280 L.F.	25.00	7,000.00	17.00	4,760.00	11.50	3,220.00	26.00	7,280.00
33 12 13	Water Service Line Installed - Asphalt Area	165 L.F.	40.00	6,600.00	15.00	2,475.00	14.52	2,395.80	17.00	2,805.00
33 12 16	12" Gate Valve with Box	4 Each	1,800.00	7,200.00	1,850.00	7,400.00	1,632.00	6,528.00	1,940.00	7,760.00
33 12 16	6" Gate Valve with Box	2 Each	850.00	1,700.00	775.00	1,550.00	644.67	1,289.34	775.00	1,550.00
33 12 19	Fire Hydrant Installed	2 Each	350.00	700.00	540.00	1,080.00	272.75	545.50	255.00	510.00
33 31 00	15" Sanitary Sewer	1166 L.F.	80.00	93,280.00	63.00	73,458.00	55.10	64,246.60	92.00	107,272.00
33 31 00	4" Sanitary Sewer Lateral - 15" Main	9 Each	250.00	2,250.00	200.00	1,800.00	192.15	1,729.35	278.00	2,502.00
33 31 00	4" Sanitary Sewer Lateral - Grass Areas	375 L.F.	15.00	5,625.00	21.00	7,875.00	13.63	5,111.25	26.00	9,750.00
33 31 00	4" Sanitary Sewer Lateral - Asphalt Areas	80 L.F.	45.00	3,600.00	38.00	3,040.00	43.76	3,500.80	22.00	1,760.00
33 31 00	4" PVC Cleanout	5 Each	30.00	150.00	40.00	200.00	112.00	560.00	108.00	540.00
33 39 13	Sanitary Manhole, Type 'A'	4 Each	2,750.00	11,000.00	2,165.00	8,660.00	2,909.85	11,639.40	1,845.00	7,380.00
Spec	Core Drill Manhole	1 Each	1,200.00	1,200.00	1,330.00	1,330.00	355.50	355.50	1,230.00	1,230.00
Spec	Bond Expense	1 L.S.	3,700.00	3,700.00	2,551.00	2,551.00	3,780.00	3,780.00	10,690.00	10,690.00
Contingency:			25,000.00							
Total:			\$275,000.00		\$254,000.00		\$257,400.67		\$277,863.00	

Sanitary Sewer Separation Phase III - Contract D (Sanitary Sewer & Water Line Improvements)

Bid Breakdown

Bid Date: Tuesday, February 2, 2010, 11:00 a.m.

Engineer's Est: \$275,000 Base Bid

\$112,400 Alt. #1; \$38,900 Alt. #2; \$18,700 Alt. #3; \$17,900 Alt. #4

Item	Description	Quantity	Engineer's Estimate		Finrock Construction		Bruns Building & Dev.		Arcon Builders	
			Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
Alternate Bid Schedule No. 1										
202	Meter Pit Removed	12 Each	\$100.00	\$1,200.00	\$200.00	\$2,400.00	\$187.00	\$2,244.00	\$200.00	\$2,400.00
202	Water Valve Abandoned	4 Each	100.00	400.00	540.00	2,160.00	334.68	1,338.72	125.00	500.00
614	Maintaining Traffic, as Per Plan	1 L.S.	1,500.00	1,500.00	2,326.00	2,326.00	2,800.00	2,800.00	2,000.00	2,000.00
33 11 13	12" Water Line (AWWA C-151)	847 L.F.	50.00	42,350.00	91.00	77,077.00	89.80	76,060.60	75.00	63,525.00
33 11 13	8" Water Line (AWWA C-151)	80 L.F.	40.00	3,200.00	73.00	5,840.00	105.54	8,443.20	69.00	5,520.00
33 11 13	6" Water Line (AWWA C-151)	93 L.F.	40.00	3,720.00	62.00	5,766.00	94.13	8,754.09	49.00	4,557.00
33 11 13	12" x 12" Cross	1 Each	850.00	850.00	1,135.00	1,135.00	875.30	875.30	1,082.00	1,082.00
33 11 13	12" x 8" Tee	3 Each	650.00	1,950.00	625.00	1,875.00	592.66	1,777.98	730.00	2,190.00
33 11 13	12" x 6" Tee	2 Each	500.00	1,000.00	625.00	1,250.00	532.25	1,064.50	640.00	1,280.00
33 11 13	12" x 6" Reducer	1 Each	300.00	300.00	550.00	550.00	306.70	306.70	350.00	350.00
33 11 13	12" Plug	2 Each	250.00	500.00	250.00	500.00	282.95	565.90	225.00	450.00
33 11 13	8" x 6" Reducer	3 Each	250.00	750.00	270.00	810.00	221.50	664.50	298.00	894.00
33 11 13	6" - 45° Bend	10 Each	250.00	2,500.00	265.00	2,650.00	253.80	2,538.00	230.00	2,300.00
33 11 13	6" Cutting-In-Sleeve	5 Each	400.00	2,000.00	562.00	2,810.00	509.80	2,549.00	540.00	2,700.00
33 12 13	Water Service Connection Installed	12 Each	750.00	9,000.00	360.00	4,320.00	167.75	2,013.00	273.00	3,276.00
33 12 13	Water Service Line Installed - Grass Area	160 L.F.	25.00	4,000.00	20.00	3,200.00	12.29	1,966.40	20.00	3,200.00
33 12 13	Water Service Line Installed - Asphalt Area	375 L.F.	40.00	15,000.00	39.00	14,625.00	15.34	5,752.50	33.00	12,375.00
33 12 16	12" Gate Valve with Box	3 Each	1,800.00	5,400.00	1,985.00	5,955.00	1,645.48	4,936.44	1,940.00	5,820.00
33 12 16	8" Gate Valve with Box	3 Each	1,000.00	3,000.00	1,105.00	3,315.00	953.10	2,859.30	1,105.00	3,315.00
33 12 16	6" Gate Valve with Box	2 Each	850.00	1,700.00	775.00	1,550.00	665.77	1,331.54	775.00	1,550.00
33 12 19	Fire Hydrant Installed	1 Each	350.00	350.00	540.00	540.00	333.50	333.50	870.00	870.00
Spec	Bond Expense	1 L.S.	1,500.00	1,500.00	1,346.00	1,346.00	1,965.00	1,965.00	3,000.00	3,000.00
	Contingency:			10,230.00						
	Total:			\$112,400.00		\$142,000.00		\$131,140.17		\$123,154.00
Alternate Bid Schedule No. 2										
33 11 13	12" Water Line (AWWA C-151)	774 L.F.	\$45.00	\$34,830.00	\$58.50	\$45,279.00	\$48.54	\$37,569.96	\$47.00	\$36,378.00
Spec	Bond Expense	1 L.S.	550.00	550.00	721.00	721.00	555.00	555.00	1,517.00	1,517.00
	Contingency:			3,520.00						
	Total:			\$38,900.00		\$46,000.00		\$38,124.96		\$37,895.00
Alternate Bid Schedule No. 3										
33 11 13	12" Water Line (AWWA C-151)	370 L.F.	\$45.00	\$16,650.00	\$72.00	\$26,640.00	\$53.99	\$19,976.30	\$47.00	\$17,390.00
Spec	Bond Expense	1 L.S.	300.00	300.00	360.00	360.00	300.00	300.00	730.00	730.00
	Contingency:			1,750.00						
	Total:			\$18,700.00		\$27,000.00		\$20,276.30		\$18,120.00
Alternate Bid Schedule No. 4										
254	Pavement Planing, Asphalt Concrete	570 S.Y.	\$7.00	\$3,990.00	\$15.50	\$8,835.00	\$8.40	\$4,788.00	\$13.00	\$7,410.00
407	Tack Coat	210 Gal.	4.00	840.00	3.00	630.00	1.90	399.00	2.75	577.50
448	Asphalt Concrete Surface Course, Type 1	70 C.Y.	160.00	11,200.00	157.00	10,990.00	156.40	10,948.00	158.00	11,060.00
Spec	Bond Expense	1 L.S.	250.00	250.00	545.00	545.00	300.00	300.00	598.00	598.00
	Contingency:			1,620.00						
	Total:			\$17,900.00		\$21,000.00		\$16,435.00		\$19,645.50