

**PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS**

CLIENT: HALIFAX TOWNSHIP  
 PROJECT NAME: ACT 537 PLAN  
 DESCRIPTION: ACCU MOLD SYSTEM  
 PROJECT NO.: 1000.001.003  
 PREPARED BY: TLD  
 DATE: 8-Aug-07

REVISED: 5-Dec-07

<u>SANITARY SEWER</u>	<u>Quantity</u>	<u>Unit Measure</u>	x	<u>Unit Price</u>	= \$	
6" SDR-35 Laterals	10	EA	x	\$1,000.00	=	\$10,000.00
8" SDR-35	1000	L.F.	x	\$75.00	=	\$75,000.00
Manholes (6-8" Depth)	4	EA	x	\$2,500.00	=	\$10,000.00
Manhole Core Boring/Connection	1	EA	x	\$500.00	=	\$500.00
<b>Sanitary Sewer Total</b>						<b>\$95,500.00</b>
Sanitary Sewer Total					=	\$95,500.00
Sum of Site Work					=	\$95,500.00
Mobilization				5%	=	\$4,775.00
Engineering/Legal				25%	=	\$23,875.00
Bonding and Insurance				2%	=	\$1,910.00
Maintenance of Traffic				1%	=	\$955.00
Testing and Miscellaneous				2%	=	\$1,910.00
Contingency				20%	=	\$19,100.00
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>						<b>\$148,025</b>
<b>TAPPING FEES (EXISTING \$3,176/EDU)</b>						<b>\$31,760</b>
<b>TOTAL COST PER EDU</b>						<b>\$11,627</b>
<b>NOTES:</b>						
1. The proposed system will tie-in to the existing system along Rt. 225						
2. There are 10 approximately properties to be serviced by this connection.						

**PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS**

CLIENT: HALIFAX TOWNSHIP  
 PROJECT NAME: ACT 537 PLAN  
 DESCRIPTION: POWELLS VALLEY ROAD  
 PROJECT NO.: 1000.001.003  
 PREPARED BY: TLD  
 DATE: 8-Aug-07 REVISED: 8-Nov-07

<u>SANITARY SEWER</u>	<u>Quantity</u>	<u>Unit Measure</u>	x	<u>Unit Price</u>	= \$	
6" SDR-35 Laterals	25	EA	x	\$1,000.00	=	\$25,000.00
8" SDR-35	2128	L.F.	x	\$75.00	=	\$159,600.00
Manholes	6	EA	x	\$2,500.00	=	\$15,000.00

**Sanitary Sewer Total** **\$199,600.00**

Sanitary Sewer Total = \$199,600.00

Sum of Site Work = \$199,600.00

Mobilization	5%	=	\$9,980.00
Engineering/Legal	25%	=	\$49,900.00
Bonding and Insurance	2%	=	\$3,992.00
Maintenance of Traffic	1%	=	\$1,996.00
Testing and Miscellaneous	2%	=	\$3,992.00
Contingency	20%	=	\$39,920.00

**TOTAL ESTIMATED CONSTRUCTION COST** **\$309,380**

**TAPPING FEES (EXISTING \$3,176/EDU)** **\$79,400**

**TOTAL COST PER EDU** **\$9,199**

**NOTES:**

1. There are approximately 25 properties to be serviced by this connection.



**PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS**

CLIENT: HALIFAX TOWNSHIP  
 PROJECT NAME: ACT 537 PLAN  
 DESCRIPTION: TRIANGLE MANOR  
 PROJECT NO.: 1000.001.003  
 PREPARED BY: TLD  
 DATE: 9-Aug-07 REVISED: 8-Nov-07

	<u>Quantity</u>	<u>Unit Measure</u>	x	<u>Unit Price</u>	=	\$
<b>SANITARY SEWER</b>						
6" SDR-35 Laterals	62	EA	x	\$1,000.00	=	\$62,000.00
8" SDR-35	4650	L.F.	x	\$75.00	=	\$348,750.00
6" PVC Forcemain (Trenched w/ Gravity)	1200	L.F.	x	\$30.00	=	\$36,000.00
6" PVC Forcemain (Trenched w/o Gravity)	240	L.F.	x	\$50.00	=	\$12,000.00
Manholes	21	EA	x	\$2,500.00	=	\$52,500.00
Manhole Core Boring/Connection	1	EA	x	\$500.00	=	\$500.00
Sanitary Sewer Pump Station	1	EA	x	\$225,000.00	=	\$225,000.00

Sanitary Sewer Total \$736,750.00

Sanitary Sewer Total = \$736,750.00

Sum of Site Work = \$736,750.00

Moblization	5%	=	\$36,837.50
Engineering/Legal	25%	=	\$184,187.50
Bonding and Insurance	2%	=	\$14,735.00
Maintenance of Traffic	1%	=	\$7,367.50
Testing and Miscellaneous	2%	=	\$14,735.00
Contingency	20%	=	\$147,350.00

**TOTAL ESTIMATED CONSTRUCTION COST \$1,141,963**

**TAPPING FEES (EXISTING \$3,176/EDU) \$196,912**

**TOTAL COST PER EDU \$15,243**

**NOTES:**

1. The proposed system will tie-in to the existing system along Rt. 225
2. There are approximately 62 properties to be serviced by this connection.



**PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS**

CLIENT: HALIFAX TOWNSHIP  
 PROJECT NAME: ACT 537 PLAN  
 DESCRIPTION: PARMER/GALLI/LAUREN TO PUMP STA 2  
 PROJECT NO.: 1000.001.003  
 PREPARED BY: TLD  
 DATE: 8-Aug-07 REVISED: 8-Nov-07

<u>SANITARY SEWER</u>	<u>Quantity</u>	<u>Unit Measure</u>	x	<u>Unit Price</u>	= \$	
6" SDR-35 Laterals	64	EA	x	\$1,000.00	=	\$64,000.00
8" SDR-35	5265	L.F.	x	\$75.00	=	\$394,875.00
Manholes	18	EA	x	\$2,500.00	=	\$45,000.00

**Sanitary Sewer Total** **\$503,875.00**

Sanitary Sewer Total	=	\$503,875.00
Sum of Site Work	=	\$503,875.00
Mobilization	5%	= \$25,193.75
Engineering/Legal	25%	= \$125,968.75
Bonding and Insurance	2%	= \$10,077.50
Maintenance of Traffic	1%	= \$5,038.75
Testing and Miscellaneous	2%	= \$10,077.50
Contingency	20%	= \$100,775.00

**TOTAL ESTIMATED CONSTRUCTION COST** **\$781,006**

**TAPPING FEES (EXISTING \$3,176/EDU)** **\$203,264**

**TOTAL COST PER EDU** **\$9,027**

**NOTES:**

1. There are approximately 64 properties to be serviced by this connection



**PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS**

CLIENT: HALIFAX TOWNSHIP  
 PROJECT NAME: ACT 537 PLAN  
 DESCRIPTION: PARMER GRIVE DRINDER PUMP SYSTEM  
 PROJECT NO.: 1000.001.003  
 PREPARED BY: TLD  
 DATE: 8-Aug-07 REVISED: 8-Nov-07

	<u>Quantity</u>	<u>Unit Measure</u>	x	<u>Unit Price</u>	= \$	
<b>SANITARY SEWER</b>						
Grinder Pump Laterals	10	EA	x	\$1,000.00	=	\$10,000.00
2.5" PVC Forcemain	1822	L.F.	x	\$45.00	=	\$81,990.00
<b>Sanitary Sewer Total</b>						<b>\$91,990.00</b>
Sanitary Sewer Total					=	\$91,990.00
Sum of Site Work					=	\$91,990.00
Moblization				5%	=	\$4,599.50
Engineering/Legal				25%	=	\$22,997.50
Bonding and Insurance				2%	=	\$1,839.80
Maintenance of Traffic				1%	=	\$919.90
Testing and Miscellaneous				2%	=	\$1,839.80
Contingency				20%	=	\$18,398.00
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>						<b>\$142,585</b>
<b>TAPPING FEES (EXISTING \$3,176/EDU)</b>						<b>\$31,760</b>
<b>TOTAL COST PER EDU</b>						<b>\$11,082</b>

**NOTES:**

1. There are approximately 10 properties to be serviced by this connection

**PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS**

CLIENT: HALIFAX TOWNSHIP  
 PROJECT NAME: ACT 537 PLAN  
 DESCRIPTION: RTE 225 BETWEEN TRIANGLE AND MATAMORAS  
 PROJECT NO.: 1000.001.003  
 PREPARED BY: TLD  
 DATE: 8-Aug-07 REVISED: 8-Nov-07

<u>SANITARY SEWER</u>	<u>Quantity</u>	<u>Unit Measure</u>	x	<u>Unit Price</u>	= \$
6" SDR-35 Laterals	28	EA	x	\$1,000.00	= \$28,000.00
8" SDR-35	1950	L.F.	x	\$75.00	= \$146,250.00
Manholes	6	EA	x	\$2,500.00	= \$15,000.00

**Sanitary Sewer Total** **\$189,250.00**

Sanitary Sewer Total = \$189,250.00

Sum of Site Work = \$189,250.00

Mobilization	5%	=	\$9,462.50
Engineering/Legal	20%	=	\$37,850.00
Bonding and Insurance	2%	=	\$3,785.00
Maintenance of Traffic	1%	=	\$1,892.50
Testing and Miscellaneous	2%	=	\$3,785.00
Contingency	20%	=	\$37,850.00

**TOTAL ESTIMATED CONSTRUCTION COST** **\$283,875**

**TAPPING FEES (EXISTING \$3,176/EDU)** **\$88,928**

**TOTAL COST PER EDU** **\$6,962**

**NOTES:**

1. There are approximately 28 properties to be serviced by this connection



**PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS**

CLIENT: HALIFAX TOWNSHIP  
 PROJECT NAME: ACT 537 PLAN  
 DESCRIPTION: MATAMORAS AREA  
 PROJECT NO.: 1000.001.003  
 PREPARED BY: TLD  
 DATE: 8-Aug-07 REVISED: 8-Nov-07

	<u>Quantity</u>	<u>Unit Measure</u>	x	<u>Unit Price</u>	= \$
<u>SANITARY SEWER</u>					
6" SDR-35 Laterals	126	EA	x	\$1,000.00	= \$126,000.00
8" SDR-35	8330	L.F.	x	\$75.00	= \$624,750.00
6" PVC Forcemain (Trenched w/ Gravity)	4900	L.F.	x	\$30.00	= \$147,000.00
6" PVC Forcemain (Trenched w/o Gravity)	125	L.F.	x	\$50.00	= \$6,250.00
Manholes	26	EA	x	\$2,500.00	= \$65,000.00
Sanitary Sewer Pump Station	1	EA	x	\$175,000.00	= \$175,000.00

**Sanitary Sewer Total** **\$1,144,000.00**

Sanitary Sewer Total = \$1,144,000.00

Sum of Site Work = \$1,144,000.00

Mobilization	5%	= \$57,200.00
Engineering/Legal	20%	= \$228,800.00
Bonding and Insurance	2%	= \$22,880.00
Maintenance of Traffic	1%	= \$11,440.00
Testing and Miscellaneous	2%	= \$22,880.00
Contingency	20%	= \$228,800.00

**TOTAL ESTIMATED CONSTRUCTION COST** **\$1,716,000**

**TAPPING FEES (EXISTING \$3,176/EDU)** **\$400,176**

**TOTAL COST PER EDU** **\$10,443**

**NOTES:**

1. There are approximately 126 properties to be serviced by this connection.



**PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COSTS**

CLIENT: HALIFAX TOWNSHIP  
 PROJECT NAME: ACT 537 PLAN  
 DESCRIPTION: LENKER ESTATES  
 PROJECT NO.: 1000.001.003  
 PREPARED BY: JLK  
 DATE: 24-Sep-08 REVISED:

<u>SANITARY SEWER</u>	<u>Quantity</u>	<u>Unit Measure</u>	x	<u>Unit Price</u>	= \$	
6" PVC Forcemain (installed prior to road const.)	1800	L.F.	x	\$50.00	=	\$90,000.00
Manholes	1	EA	x	\$2,500.00	=	\$2,500.00
Manhole connection	1	EA	x	\$2,500.00	=	\$2,500.00
Sanitary Sewer Pump Station	1	EA	x	\$225,000.00	=	\$225,000.00

Sanitary Sewer Total \$320,000.00

Sanitary Sewer Total = \$320,000.00

Sum of Site Work = \$320,000.00

Moblization	5%	=	\$16,000.00
Engineering/Legal	25%	=	\$80,000.00
Bonding and Insurance	2%	=	\$6,400.00
Maintenance of Traffic	1%	=	\$3,200.00
Testing and Miscellaneous	2%	=	\$6,400.00
Contingency	20%	=	\$64,000.00

**TOTAL ESTIMATED CONSTRUCTION COST \$496,000**

**TOTAL COST PER EDU \$3,200**

**NOTES:**

1. The proposed system will tie-in to the existing system along Rt. 225
2. There are approximately 155 properties to be serviced by this connection.