

**DETAILED DESIGN COST ESTIMATE  
FOR  
REACH STREET LANDS  
VENITIAN GROUP  
TOWNSHIP OF UXBRIDGE**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>AMOUNT</b>
Contract "A"	Underground Services and Roads to Base Course Asphalt	\$ 2,997,287.25
Contract "B"	Roads After Base Course Asphalt	\$ 226,134.10

<b>SUB-TOTAL ESTIMATE (Excluding HST)      \$    3,220,000.00</b>
-------------------------------------------------------------------

**NOTES:**

- 1) The cost estimate excludes demolition and removal of existing buildings and associated residential sheds, walkways, driveways, fences, debris etc.
- 2) The cost estimate excludes all cost sharing.
- 3) Landscaping is excluded from the cost estimate(acoustic fence, privacy fence, street trees, edge management plantings, bioswale plantings and entrance features) .
- 4) The cost estimate excludes all soft costs (consulting fees, municipal fees and development charges).
- 5) The cost estimate excludes utility construction costs.
- 6) The cost estimate excludes cash in lieu payments for externally deferred constuction.
- 7) The cost estimate excludes H.S.T.
- 8) The cost estimate excludes the mechanical building for the water meter and back flow preventer.
- 9) The cost estimate excludes the restration/compensation works associated with the 227 Reach Street property.
- 10) Total value rounded to the nearest ten thousand.

Prepared by Sabourin Kimble & Associates Ltd.  
October, 2021

**SCHEDULE OF ESTIMATE UNIT PRICES  
FOR  
VENITIAN GROUP  
CONTRACT 'A'  
UNDERGROUND SERVICES AND ROADS TO BASE COURSE ASPHALT  
TOWNSHIP OF UXBRIDGE**

**SUMMARY OF SCHEDULE OF ITEMS AND PRICES**

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>AMOUNT</b>
A.	SITE PREPARATION AND EARTHWORKS	\$ 651,300.00
B.	SANITARY SEWERS AND APPURTENANCES	\$ 285,322.75
C.	STORM SEWERS AND APPURTENANCES	\$ 547,236.50
D.	WATERMAINS AND APPURTENANCES	\$ 276,500.00
E.	SERVICE CONNECTIONS	\$ 226,300.00
F.	STORMWATER MANAGEMENT	\$ 780,274.00
G.	PREPARATION OF ROAD BASE AND PAVING	\$ 198,304.00
H.	CURB AND GUTTER	\$ 32,050.00

<b>CONTRACT "A" TENDER PRICE (Excluding HST) \$ 2,997,287.25</b>
------------------------------------------------------------------

(CARRY FORWARD TO SUMMARY OF ESTIMATES)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>A. SITE PREPARATION AND EARTHWORKS</b>					
Provide all labour, materials and equipment necessary to complete the following works as per the drawings and specifications.					
A1)	Construct temporary construction entrance as follows:				
	a) Mud mat with 150mm clear limestone, including additional granular during the course of construction as required.	100.0	tonne	\$ 22.00	\$ 2,200.00
	b) All temporary construction warning signs and roadside culvert.		Lump Sum	\$ 4,000.00	\$ 4,000.00
	c) Decommission mud mat including removal and disposal of culvert and signs off-site.		Lump Sum	\$ 2,000.00	\$ 2,000.00
A2)	Strip topsoil from the site and stockpile.	1,500.0	m <sup>3</sup>	\$ 4.00	\$ 6,000.00
A3)	Strip topsoil from the site and dispose off-site.	6,000.0	m <sup>3</sup>	\$ 20.00	\$ 120,000.00
A4)	Cut roads and lots to the specified balance line and haul, spread, grade and compact to areas elsewhere on-site.	2,500.0	m <sup>3</sup>	\$ 5.50	\$ 13,750.00
A5)	Supply, import, place and compact suitable imported engineered fill material to 98% SPD. Material to pass MOE Table 1 criteria for imported fill requirements	19,600.0	m <sup>3</sup>	\$ 20.00	\$ 392,000.00
A6)	Supply and construct retaining walls according to SG1-SG3				
	a) Retaining wall 1		Lump Sum	\$ 33,100.00	\$ 33,100.00
	b) Retaining wall 2		Lump Sum	\$ 37,500.00	\$ 37,500.00
	c) Retaining wall 3		Lump Sum	\$ 17,200.00	\$ 17,200.00
	d) Retaining wall 4		Lump Sum	\$ 11,250.00	\$ 11,250.00
	e) Retaining wall 5		Lump Sum	\$ 10,500.00	\$ 10,500.00
A7)	Supply and install sediment control fence around the topsoil stockpile.	120.0	m	\$ 15.00	\$ 1,800.00

<b>SUB-TOTAL "A" CARRIED FORWARD TO SUMMARY</b>
-------------------------------------------------

<b>\$</b>
-----------

<b>651,300.00</b>
-------------------

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
------	-------------	--------------------	------	------------	-------

## B. SANITARY SEWERS AND APPURTENANCES

### B1) Sanitary sewers.

Provide all labour, materials and plant required to construct the following sanitary sewers and appurtenances as per drawings and specifications including all necessary excavation, bedding, backfill, compaction and restoration.

Dwg. No.	Manhole From To	Pipe Dia.	Type & Class	Average Depth						
Street A										
SS1	1A - 2A	200 mm	PVC SDR-35	3.5 m	33.0	m	\$	240.00	\$	7,920.00
SS1	2A -5A	200 mm	PVC SDR-35	3.5 m	90.0	m	\$	240.00	\$	21,600.00
SS1	4A -5A	200 mm	PVC SDR-35	3.2 m	19.1	m	\$	240.00	\$	4,584.00
Street C										
SS1	5A -6A	200 mm	PVC SDR-35	3.5 m	33.4	m	\$	240.00	\$	8,016.00
SS1	6A -7A	200 mm	PVC SDR-35	4.7 m	18.1	m	\$	255.00	\$	4,615.50
SS1	7A - 11A	200 mm	PVC SDR-35	5.4 m	39.8	m	\$	270.00	\$	10,746.00
Street B										
SS1	8A - 9A	200 mm	PVC SDR-35	4.5 m	7.2	m	\$	255.00	\$	1,836.00
SS1	9A - 9	200 mm	PVC SDR-35	4.5 m	66.0	m	\$	255.00	\$	16,830.00
SS1	9 - 10A	200 mm	PVC SDR-35	4.5 m	15.9	m	\$	255.00	\$	4,054.50
SS1	10A - 11A	200 mm	PVC SDR-35	5.0 m	74.6	m	\$	260.00	\$	19,396.00
Street C										
SS1	11A - 12A	200 mm	PVC SDR-35	5.5 m	21.6	m	\$	270.00	\$	5,832.00
Easement										
SS1	12A - 13A	200 mm	PVC SDR-35	6.5 m	25.5	m	\$	300.00	\$	7,650.00
SS1	13A - 14A	200 mm	PVC SDR-35	5.5 m	4.5	m	\$	270.00	\$	1,215.00
SS1	14A - 15A	200 mm	PVC SDR-35	5.5 m	38.6	m	\$	810.00	\$	31,266.00
SS1	15A - EX27A	200 mm	PVC SDR-35	5.0 m	18.2	m	\$	1,050.00	\$	19,110.00

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
------	-------------	--------------------	------	------------	-------

## B2) Sanitary Manholes

Provide all labour, materials, and plant required to construct the following manholes including sand backfill, frames and covers, safety grates, drop structures, benching and permanent bulkheads.

Dwg. No.	Manhole Number	Chamber Size	Safety Grate	Drop Structure	Average Depth					
Street A										
<b>SS1</b>	1A	1200 mm	N	N	3.2	1.0	each	\$	5,200.00	\$ 5,200.00
<b>SS1</b>	2A	1200 mm	N	N	3.6	1.0	each	\$	5,600.00	\$ 5,600.00
<b>SS1</b>	4A	1200 mm	N	N	3.3	1.0	each	\$	5,300.00	\$ 5,300.00
<b>SS1</b>	5A	1200 mm	N	N	3.5	1.0	each	\$	5,500.00	\$ 5,500.00
Street C										
<b>SS1</b>	6A	1200 mm	N	N	4.3	1.0	each	\$	6,000.00	\$ 6,000.00
<b>SS1</b>	7A	1200 mm	N	N	5.0	1.0	each	\$	6,500.00	\$ 6,500.00
Street B										
<b>SS1</b>	8A	1200 mm	N	N	3.5	1.0	each	\$	5,500.00	\$ 5,500.00
<b>SS1</b>	9A	1200 mm	N	N	4.3	1.0	each	\$	6,000.00	\$ 6,000.00
<b>SS1</b>	10A	1200 mm	N	N	4.5	1.0	each	\$	6,300.00	\$ 6,300.00
<b>SS1</b>	9	1200 mm	N	N	5.0	1.0	each	\$	6,500.00	\$ 6,500.00
Street C										
<b>SS1</b>	11A	1200 mm	Y	N	6.0	1.0	each	\$	8,200.00	\$ 8,200.00
<b>SS1</b>	12A	1200 mm	Y	N	6.2	1.0	each	\$	8,500.00	\$ 8,500.00
Easement										
<b>SS1</b>	13A	1200 mm	Y	N	6.5	1.0	each	\$	8,700.00	\$ 8,700.00
<b>SS1</b>	14A	1200 mm	N	N	5.0	1.0	each	\$	6,500.00	\$ 6,500.00
<b>SS1</b>	15A	1200 mm	N	N	5.0	1.0	each	\$	13,000.00	\$ 13,000.00

B3)	Locate and connect to existing sanitary manhole 27A on Village Green Lane, and adjust benching to suit.						Lump Sum	\$	8,000.00	\$ 8,000.00
B4)	Provide a total of three (3) copies of the complete sanitary sewer video, digital file and report in separate report from the storm sewer.	505.5		m		\$		10.00	\$ 5,055.00	
B5)	Conduct mandrel testing per OPSS 410.07.16.05 on entire system.	505.5		m		\$		4.00	\$ 2,022.00	
B6)	Provide as-built survey for entire sanitary sewer system including sewer length, manhole inverts and inverts of temporary plugs.	505.5		m		\$		4.50	\$ 2,274.75	

**SUB-TOTAL "B" CARRIED FORWARD TO SUMMARY**

**\$ 285,322.75**

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
------	-------------	--------------------	------	------------	-------

### C. STORM SEWERS AND APPURTENANCES

#### C1) Storm sewers.

Provide all labour, materials and plant required to construct the following storm sewers, granular galleries and appurtenances as per drawings and specifications including all necessary excavation, bedding, 50mm clear stone granular gallery, backfill, compaction and restoration.

Dwg. No.	Manhole From To	Pipe Dia.	Type & Class	Average Depth						
Street A										
SS1	1 - 2	300 mm	PVC SDR-35*	4.0 m	33.2	m	\$	375.00	\$	12,450.00
SS1	2 - 3	375 mm	PVC SDR-35*	4.5 m	6.5 m	m	\$	500.00	\$	3,250.00
SS1	3 - OGS 5	450 mm	PVC SDR-35*	4.5 m	86.7 m	m	\$	575.00	\$	49,852.50
SS1	CHMH 4 - OGS 5	375 mm	PVC SDR-35	5.0 m	31.0 m	m	\$	240.00	\$	7,440.00
Street C										
SS1	OGS 5 - 6	600 mm	PVC SDR-35	7.0 m	13.0 m	m	\$	600.00	\$	7,800.00
SS1	RLCB6 - 26	375 mm	PVC SDR-35	3.3 m	33.0 m	m	\$	200.00	\$	6,600.00
SS1	26 - 6	375 mm	PVC SDR-35	4.0 m	7.5 m	m	\$	250.00	\$	1,875.00
SS1	6 - 7	600 mm	PVC SDR-35*	6.0 m	21.5 m	m	\$	625.00	\$	13,437.50
SS1	7 - 18	600 mm	PVC SDR-35*	4.0 m	37.0 m	m	\$	625.00	\$	23,125.00
SS1	RLCB 7 - TEE	375 mm	PVC SDR-35	5.0 m	34.0 m	m	\$	240.00	\$	8,160.00
SS1	18 - 19	675 mm	PVC SDR-35	6.0 m	6.1 m	m	\$	550.00	\$	3,355.00
Street B										
SS1	CBMH11 - 12	300 mm	PVC SDR-35	1.4 m	31.7 m	m	\$	160.00	\$	5,072.00
SS1	12 -13	375 mm	PVC SDR-35*	3.0 m	16.4 m	m	\$	400.00	\$	6,560.00
SS1	11 - 12	450 mm	PVC SDR-35*	4.0 m	39.7 m	m	\$	500.00	\$	19,850.00
SS1	15 - 16	525 mm	PVC SDR-35	4.0 m	7.7 m	m	\$	375.00	\$	2,887.50
SS1	RLCB11 - 16	300 mm	PVC SDR-35	3.0 m	33.5 m	m	\$	220.00	\$	7,370.00
SS1	16 - 17	600 mm	PVC SDR-35	4.3 m	11.1 m	m	\$	330.00	\$	3,663.00
SS1	17 - 18	675 mm	PVC SDR-35	4.2 m	69.1 m	m	\$	350.00	\$	24,185.00
Easement										
SS1	22 - 23	525 mm	PVC SDR-35	5.5 m	4.8 m	m	\$	400.00	\$	1,920.00
SS1	23 - 24	525 mm	PVC SDR-35	5.5 m	33.5 m	m	\$	400.00	\$	13,400.00
SS1	24 - 25	525 mm	PVC SDR-35	5.5 m	2.0 m	m	\$	400.00	\$	800.00
SS1	24 - 25	375 mm	PVC SDR-35	3.0 m	2.0 m	m	\$	900.00	\$	1,800.00
SS1	25 - EX26	525 mm	PVC SDR-35	5.5 m	16.6 m	m	\$	1,000.00	\$	16,600.00

\* Indicates perforated pipe including associated granular per servicing drawings SS1-SS3.

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
C2)	Storm Manholes				
	Provide all labour, materials, and plant required to construct the following manholes including sand backfill, frames and covers, safety grates, drop structures, benching and permanent bulkheads.				
	<b>Dwg. No.</b> <b>Manhole Number</b> <b>Chamber Size</b> <b>Safety Grate</b> <b>Drop Structure</b> <b>Average Depth</b>				
	Street A				
	<b>SS1</b> 1            1200 mm    N            N            3.8 m	1.0	each	\$ 5,200.00	\$ 5,200.00
	<b>SS1</b> 2            1200 mm    N            N            3.0 m	1.0	each	\$ 5,000.00	\$ 5,000.00
	<b>SS1</b> 3            1200 mm    N            N            3.0 m	1.0	each	\$ 5,000.00	\$ 5,000.00
	<b>SS1</b> CBMH4    1200 mm    N            N            2.9 m	1.0	each	\$ 5,500.00	\$ 5,500.00
	Street C				
	<b>SS1</b> 6            1500 mm    N            N            5.0 m	1.0	each	\$ 10,000.00	\$ 10,000.00
	<b>SS1</b> 26          1200 mm    N            N            4.5 m	1.0	each	\$ 5,500.00	\$ 5,500.00
	<b>SS1</b> 7            1500 mm    N            N            4.5 m	1.0	each	\$ 9,500.00	\$ 9,500.00
	<b>SS1</b> 18          1800 mm    N            Y            5.7 m	1.0	each	\$ 20,000.00	\$ 20,000.00
	<b>SS1</b> 19          1500 mm    N            N            5.7 m	1.0	each	\$ 11,000.00	\$ 11,000.00
	<b>SS1</b> 20          1500 mm    N            N            5.8 m	1.0	each	\$ 11,000.00	\$ 11,000.00
	Street B				
	<b>SS1</b> CBMH11    1200 mm    N            N            3.1 m	1.0	each	\$ 5,000.00	\$ 5,000.00
	<b>SS1</b> 12          1200 mm    N            N            4.0 m	1.0	each	\$ 5,300.00	\$ 5,300.00
	<b>SS1</b> 14          1200 mm    N            N            4.4 m	1.0	each	\$ 5,500.00	\$ 5,500.00
	<b>SS1</b> 15          1200 mm    N            N            4.1 m	1.0	each	\$ 5,300.00	\$ 5,300.00
	<b>SS1</b> 16          1500 mm    N            N            4.4 m	1.0	each	\$ 9,500.00	\$ 9,500.00
	Easement				
	<b>SS1</b> 22          1500 mm    N            N            6.0 m	1.0	each	\$ 15,000.00	\$ 15,000.00
	<b>SS1</b> 23          1500 mm    N            N            6.3 m	1.0	each	\$ 17,000.00	\$ 17,000.00
	<b>SS1</b> 27          1200 mm    N            N            5.5 m	1.0	each	\$ 6,500.00	\$ 6,500.00
	<b>SS1</b> 24          1500 mm    N            N            4.6 m	1.0	each	\$ 18,000.00	\$ 18,000.00
	<b>SS1</b> 25          1500 mm    N            N            4.6 m	1.0	each	\$ 18,000.00	\$ 18,000.00
C3)	Locate and connect to existing storm manhole 26, remove bulkhead and adjust benching to suit.	1.0	each	\$ 8,000.00	\$ 8,000.00
C4)	Street catchbasins including PVC SDR-35 leads as follows:				
	a) single catchbasins with 250mm lead.	8.0	each	\$ 2,500.00	\$ 20,000.00
	b) double catchbasins with 300mm lead.	7.0	each	\$ 3,700.00	\$ 25,900.00
C5)	Rear lot catchbasins excluding leads.	13.0	each	\$ 2,000.00	\$ 26,000.00
C6)	concrete encasement for 250mm diameter rear lot catchbasin leads. Excluding the leads.	5.0	m	\$ 2,000.00	\$ 10,000.00

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
C7)	450mm diameter ditch culverts for entry roads.	2.0	each	\$ 3,000.00	\$ 6,000.00
C8)	Provide a total of three (3) copies of the complete storm sewer video including rear lot catchbasin leads, digital file and report in separate report from the sanitary sewer. Price to include flushing as necessary including cleaning all catchbasin, rear lot catchbasins, catchbasin manholes to deliver a clean system to the builder.	577.6	m	\$ 10.00	\$ 5,776.00
C9)	Supply and install catchbasin silt traps.	22.0	each	\$ 14.00	\$ 308.00
C10)	Install lot drains, with extension of storm service connections to ground surface and install a 5 meter section of sub-drain, and cover with clear stone.	6.0	each	\$ 1,000.00	\$ 6,000.00
C11)	Provide as-built survey for entire storm sewer system including sewer length, manhole inverts and inverts of temporary plugs.		Lump Sum	\$ 5,000.00	\$ 5,000.00

<b>SUB-TOTAL "C" CARRIED FORWARD TO SUMMARY</b>
-------------------------------------------------

<b>\$ 547,236.50</b>
----------------------



ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>D. WATERMAINS AND APPURTENANCES</b>					
Provide all labour, materials, and plant required to construct the following watermains and appurtenances as per drawings and specifications including all necessary excavation, bedding, backfill, compaction, and restoration. All costs associated with the testing and commissioning process shall be borne by the contractor.					
D1)	Supply and install PVC watermain, including mechanically restrained joints where located in fill.				
	a) 150mm diameter - internal to the site	748.0	m	\$ 90.00	\$ 67,320.00
	b) 200mm diameter - internal to the site	455.0	m	\$ 120.00	\$ 54,600.00
	c) 150mm diameter - within Village Green Lane and easement	40.0	m	\$ 180.00	\$ 7,200.00
	d) 200mm diameter - within Village Green Lane and easement	40.0	m	\$ 200.00	\$ 8,000.00
D2)	Supply and install gate valves and box as follows:				
	a) 150mm diameter - internal to the site	9.0	each	\$ 2,100.00	\$ 18,900.00
	b) 200mm diameter - internal to the site	5.0	each	\$ 2,600.00	\$ 13,000.00
	c) 150mm diameter - within Village Green Lane and easement	1.0	each	\$ 4,000.00	\$ 4,000.00
	d) 200mm diameter - within Village Green Lane and easement	1.0	each	\$ 4,500.00	\$ 4,500.00
D3)	Supply and install hydrants complete with anchor tee, lead, shut-off valve, valve box and thrust block.	4.0	each	\$ 4,500.00	\$ 18,000.00
D4)	Locate and connect to existing 200mm PVC watermain on Village Green Lane.		Lump Sum	\$ 5,000.00	\$ 5,000.00
D5)	Conduct Fire Hydrant Flow Test as per municipal standards.	4.0	each	\$ 500.00	\$ 2,000.00
D6)	Install anti-tampering device on fire hydrants.	4.0	each	\$ 120.00	\$ 480.00
D7)	Construct temporary bypass around mechanical building during servicing for testing purposes, remove upon completion of mechanical building and connect to final configuration accordingly.		Lump Sum	\$ 15,000.00	\$ 15,000.00
D8)	Supply and install the water meter and backflow protector within the mechanical room.		Lump Sum	\$ 40,000.00	\$ 40,000.00
D9)	Complete a watermain conductivity test on the entire watermain system as per municipal standards.	1.0	each	\$ 4,000.00	\$ 4,000.00
D10)	Complete watermain commissioning and testing in accordance with local municipal standards.		Lump Sum	\$ 5,000.00	\$ 5,000.00
D11)	Provide as-built survey for entire water main system including horizontal location of all underground appurtenances, above ground valves and fire hydrant flanges.		Lump Sum	\$ 5,000.00	\$ 5,000.00
D12)	Supply, install and remove upon completion of the watermain a test point bypass as follows:				
	a) 150mm diameter - within Village Green Lane / easement	1.0	each	\$ 2,000.00	\$ 2,000.00
	b) 200mm diameter - within Village Green Lane / easement	1.0	each	\$ 2,500.00	\$ 2,500.00

<b>SUB-TOTAL "D" CARRIED FORWARD TO SUMMARY</b>
-------------------------------------------------

<b>\$ 276,500.00</b>
----------------------

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>E. SERVICE CONNECTIONS</b>					
Provide all labour, materials, and plant required to construct the following services and appurtenances as per drawings and specifications including all necessary excavation, bedding, backfill, compaction, and restoration.					
E1)	19mm diameter soft copper Type 'K' water service connection including a 150mm extension into the lots and placement of water box to finished grade.	62.0	each	\$ 1,200.00	\$ 74,400.00
E2)	100mm diameter PVC SDR-28 single sanitary service connection including a 1.5m extension into the lots. <b>(green only)</b>	62.0	each	\$ 1,000.00	\$ 62,000.00
E3)	150mm diameter PVC SDR-28 single storm service connection with including a 1.5m extension into the lots. <b>(white only)</b>	62.0	each	\$ 1,400.00	\$ 86,800.00
E4)	Provide as-built survey for all service connections including inverts of sewers at the property line, and horizontal locations (offset from lot line) of sewer plugs and water box.	62.0	each set	\$ 50.00	\$ 3,100.00

<b>SUB-TOTAL "E" CARRIED FORWARD TO SUMMARY</b>
-------------------------------------------------

<b>\$ 226,300.00</b>
----------------------

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>F. STORMWATER MANAGEMENT</b>					
Provide all labour, materials, and plant required to construct the following stormwater management pond and appurtenances as per drawings and specifications including all necessary excavation, bedding, backfill, compaction, and restoration.					
F1)	Supply, excavate, install and backfill perforated pipe infiltration reaches including the perforated pipe, 50mm clearstone, filter cloth, as per detail drawings and specifications. See Servicing Plans SS1 - SS3				
	a) LID 1 250mm perforated pipe with 2.0m wide 50mm clearstone gallery located from Plug 1 to MH2	92.1	m	\$ 340.00	\$ 31,314.00
	b) LID 2 250mm perforated pipe with 2.0m wide 50mm clearstone gallery located from Plug 2 to Plug 3	146.0	m	\$ 340.00	\$ 49,640.00
	c) LID 3 250mm perforated pipe with 2.0m wide 50mm clearstone gallery located from from Plug 5 to RLCB 10	56.0	m	\$ 340.00	\$ 19,040.00
	d) LID 4 250mm perforated pipe with 1.5m wide 50mm clearstone gallery located from Plug 6 to RLCB 11	33.0	m	\$ 300.00	\$ 9,900.00
	e) LID 5 250mm perforated pipe with 1.5m wide 50mm clearstone gallery located from RLCB 11 to CBMH 11	41.0	m	\$ 300.00	\$ 12,300.00
	f) LID 6 250mm perforated pipe with 50mm clearstone granular gallery located from RLCB 13 to CBMH 4				
	i) Rearyard 250mm Perforated Pipe	34.0	m	\$ 200.00	\$ 6,800.00
	ii) 5.5m wide x 0.7m deep 50mm clearstone gallery	28.0	m	\$ 385.00	\$ 10,780.00
	g) Sideyard 300mm Perforated Pipe 0 with LID Granular Gallery located from RLCB 14 to MH 1				
	i) Rearyard 250mm Perforated Pipe	17.8	m	\$ 200.00	\$ 3,560.00
	ii) 4.0m wide x 0.7m deep 50mm clearstone gallery	5.5	m <sup>3</sup>	\$ 280.00	\$ 1,540.00
F2)	Provide all labour and materials to construct the Stormtech storage facility <b>Number 1</b> including all necessary excavation, bedding, backfill, compaction and manholes as per below:				
	i) Supply and install Stormtech units		Lump Sum	\$ 201,250.00	\$ 201,250.00
	ii) Supply and install clear stone for installation of Stormtech units	450.0	m <sup>3</sup>	\$ 100.00	\$ 45,000.00
F3)	Provide all labour and materials to construct the Stormtech storage facility <b>Number 2A</b> including all necessary excavation, bedding, backfill, compaction and manholes as per below:				
	i) Supply and install Stormtech units		Lump Sum	\$ 46,000.00	\$ 46,000.00
	ii) Supply and install clear stone for installation of Stormtech units	160.0	m <sup>3</sup>	\$ 100.00	\$ 16,000.00
F4)	Provide all labour and materials to construct the Stormtech storage facility <b>Number 2B</b> including all necessary excavation, bedding, backfill, compaction and manholes as per below:				
	i) Supply and install Stormtech units		Lump Sum	\$ 63,250.00	\$ 63,250.00
	ii) Supply and install clear stone for installation of Stormtech units	160.0	m <sup>3</sup>	\$ 100.00	\$ 16,000.00
F5)	Provide all labour and materials to construct the Stormtech storage facility <b>Number 3</b> including all necessary excavation, bedding, backfill, compaction and manholes as per below:				
	i) Supply and install Stormtech units		Lump Sum	\$ 112,700.00	\$ 112,700.00
	ii) Supply and install clear stone for installation of Stormtech units	210.0	m <sup>3</sup>	\$ 100.00	\$ 21,000.00
F6)	Supply and install orifice plate.	2.0	each	\$ 1,000.00	\$ 2,000.00

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
F7)	Supply and install oil, grit separators in MH:				
	a) MH 5 ADS FD-6HC:	1.0	each	\$ 48,000.00	\$ 48,000.00
	b) MH 27B ADS FD-6HC:	1.0	each	\$ 18,000.00	\$ 18,000.00
	c) MH 17 ADS FD-6HC:	1.0	each	\$ 27,000.00	\$ 27,000.00
	d) MH 13 ADS FD-6HC:	1.0	each	\$ 18,000.00	\$ 18,000.00
F8)	Supply and install rock check dams per OPSD 219.220 in roadside ditch.	3.0	m	\$ 400.00	\$ 1,200.00

<b>SUB-TOTAL "F" CARRIED FORWARD TO SUMMARY</b>
-------------------------------------------------

<b>\$ 780,274.00</b>
----------------------

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>G. PREPARATION OF ROAD BASE AND PAVING</b>					
Supply and construct as per drawings and specifications, road base pavement and associated work as follows:					
G1)	Infrastructure removals along external works at Nelkydd Lane and Village Green Lane where proposed services are to connect to existing infrastructure. Saw cut existing infrastructure and dispose of excess materials off site. Removal of infrastructure is to take place directly before installation of proposed servicing.				
	a) Remove and dispose of existing sidewalk	15.0	m	\$ 30.00	\$ 450.00
	b) Remove and dispose of existing curb	15.0	m	\$ 30.00	\$ 450.00
	c) Remove and dispose of existing asphalt	145.0	m <sup>2</sup>	\$ 50.00	\$ 7,250.00
G2)	Infrastructure replacements along external works at Nelkydd Lane and Village Green Lane where proposed services are to connect to existing infrastructure. Replacement of infrastructure is to take place directly after completion of servicing.				
	a) Supply and install sidewalk	15.0	m	\$ 250.00	\$ 3,750.00
	b) Supply and install curb	15.0	m	\$ 120.00	\$ 1,800.00
	c) Regulate sub base, supply and install granular base, base asphalt and top asphalt to match existing infrastructure	145.0	m <sup>2</sup>	\$ 100.00	\$ 14,500.00
	d) Restore boulevard, supply, place, spread and fine grade 150mm of topsoil, and supply and place nursery sod.	65.0	m <sup>2</sup>	\$ 10.00	\$ 650.00
G3)	Fine grade over the width of the road allowance, and compact subgrade over the full asphalt width plus 0.65 metres on each side.				
	a) Street A		Lump Sum	\$ 2,500.00	\$ 2,500.00
	b) Street B		Lump Sum	\$ 1,500.00	\$ 1,500.00
	c) Street C		Lump Sum	\$ 2,500.00	\$ 2,500.00
G4)	Supply and install continuous 150mm diameter sub-drains (wrapped in filter cloth) including connection to catchbasins.	960.0	m	\$ 17.00	\$ 16,320.00
G5)	Provide, lay and compact sub-base course of Granular 'B' and compact in maximum 150mm layers over the full road width plus 0.35m on each side to a final compacted depth as follows:				
	a) Local roads - 300mm thickness	3,914.0	m <sup>2</sup>	\$ 13.00	\$ 50,882.00
G6)	Regulate sub-base course to grade and cross-section; supply any extra material required; provide, lay, compact and grade base course of granular 'A' to a final compacted depth of 150mm.	3,578.0	m <sup>2</sup>	\$ 9.00	\$ 32,202.00
G7)	Raise manhole and catchbasin frames from sub-grade level to base course asphalt level in one lift including steps if required.				
	a) manholes	35.0	each	\$ 350.00	\$ 12,250.00
	b) single catchbasins	8.0	each	\$ 350.00	\$ 2,800.00
	c) double catchbasins	7.0	each	\$ 600.00	\$ 4,200.00
G8)	Provide, lay, and compact HL-8 asphalt base course over the pavement width to a final compacted depth of :				
	a) Local roads - 50mm thickness	3,578.0	m <sup>2</sup>	\$ 10.00	\$ 35,780.00
G9)	Install temporary combination street and stop signs.	4.0	each	\$ 380.00	\$ 1,520.00

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
G10)	Paint temporary stop bars at intersections	4.0	each	\$ 350.00	\$ 1,400.00
G11)	After completion of earthworks, complete a topographical survey of all lots for certification of pre-grades per Project Specification 4.4		Lump Sum	\$ 2,000.00	\$ 2,000.00
G12)	Fine grade boulevard with 150mm topsoil and nursery sod.	450.0	m <sup>2</sup>	\$ 8.00	\$ 3,600.00

<b>SUB-TOTAL "G" CARRIED FORWARD TO SUMMARY</b>					
-------------------------------------------------	--	--	--	--	--

\$

**198,304.00**

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
------	-------------	--------------------	------	------------	-------

#### H. CURB AND GUTTER

Provide all labour, materials and plant required to construct the following curb and gutter and associated work as per drawings and specifications, including any necessary grading and granular base.

H1)	Concrete base for two-stage curb and gutter.	480.0	m	\$ 65.00	\$ 31,200.00
H2)	Construct temporary full asphalt curb around all catchbasins.				
	a) single catchbasins	8.0	each	\$ 45.00	\$ 360.00
	b) double catchbasins	7.0	each	\$ 70.00	\$ 490.00

**SUB-TOTAL "H" CARRIED FORWARD TO SUMMARY**

**\$**

**32,050.00**

**SCHEDULE OF ESTIMATE UNIT PRICES  
FOR  
VENITIAN GROUP  
CONTRACT 'B'  
ROADS AFTER BASE COURSE ASPHALT  
TOWNSHIP OF UXBRIDGE**

**SUMMARY OF SCHEDULE OF ITEMS AND PRICES**

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>AMOUNT</b>
A.	ROAD PAVING	\$ 107,094.60
B.	CURBS AND GUTTER, SIDEWALKS AND SIGNS	\$ 109,889.50
C.	MISCELLANEOUS ITEMS	\$ 9,150.00

<b>CONTRACT "B" ESTIMATE (Excluding HST)</b>	<b>\$ 226,134.10</b>
----------------------------------------------	----------------------

(CARRY FORWARD TO SUMMARY OF ESTIMATES)



ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>A. ROAD PAVING</b>					
Provide all labour, materials and equipment necessary to complete the following works as per the drawings and specifications.					
A1)	Raise manhole and catchbasin frames from base course asphalt level to finished asphalt level in one lift including steps if required.				
	a) manholes	35.0	each	\$ 440.00	\$ 15,400.00
	b) single catchbasins	8.0	each	\$ 470.00	\$ 3,760.00
	c) double catchbasins	7.0	each	\$ 750.00	\$ 5,250.00
A2)	Clean (flush and power sweep) HL-8 asphalt surface prior to tack coating and provide and apply RC2 tack coat to the base course asphalt.	3,578.0	m <sup>2</sup>	\$ 0.70	\$ 2,504.60
A3)	Provide, lay and compact HL-3 asphalt scratch course <u>excluding</u> the cost of required liquid asphalt cement.	176.0	tonne	\$ 60.00	\$ 10,560.00
A4)	Provide, lay and compact HL-3 asphalt surface course over the pavement width to the final compacted thickness as specified on the contract drawing, excluding the cost of required liquid asphalt cement.	527.0	tonne	\$ 60.00	\$ 31,620.00
A5)	Allowance for the liquid asphalt cement based on \$750.00 per tonne to be adjusted based on supplier's invoice at the time of placement.			Allowance	\$ 30,000.00
A6)	Grind lap joint for transition of new surface onto existing final asphalt surface.	100.0	m <sup>2</sup>	\$ 50.00	\$ 5,000.00
A7)	Rout and seal asphalt joint in accordance with OPSS Specifications.	30.0	m	\$ 100.00	\$ 3,000.00
<b>SUB-TOTAL "A" CARRIED FORWARD TO SUMMARY</b>				<b>\$</b>	<b>107,094.60</b>

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>B. CURBS AND GUTTER, SIDEWALKS AND SIGNS</b>					
Provide all labour, materials and equipment necessary to complete the following works as per the drawings and specifications.					
B1)	Clean base curb prior to placement of top curb (in excess of 2cm of silt/mud). (Provisional Items)	1.0	m	\$ 4.50	\$ 4.50
B2)	Construct concrete top section for two-stage curb and gutter. Price to include straightening stirrups	1.0	m	\$ 95.00	\$ 95.00
B3)	Remove temporary asphalt curb around catchbasins and dispose off-site and pour single stage curb and gutter. (up to 1.5m width)				
	a) Single Catchbasins	1.0	each	\$ 220.00	\$ 220.00
	b) Double Catchbasins	1.0	each	\$ 370.00	\$ 370.00
B4)	Construct 1.5m wide concrete sidewalk.				
	a) Internal Local Streets	463.0	m	\$ 125.00	\$ 57,875.00
	b) External Reach Street	225.0	m	\$ 180.00	\$ 40,500.00
B5)	Supply and install 600mm by 600mm cast iron tactile plates in accordance with Town standards.	6.0	each	\$ 550.00	\$ 3,300.00
B6)	Construct Canada Post pads including 100mm granular sub-base, sub-excavation of existing boulevard and 100mm thick concrete slab and excavation. Sod restoration by others	1.0	m <sup>2</sup>	\$ 125.00	\$ 125.00
B7)	Supply and install sidewalk barricade	2.0	each	\$ 560.00	\$ 1,120.00
B8)	Supply and install permanent combination street and stop signs.	4.0	each	\$ 420.00	\$ 1,680.00
B9)	Supply and paint permanent stop bars at intersections	4.0	each	\$ 400.00	\$ 1,600.00
B10)	Supply and paint permanent parking space lines	32.0	each	\$ 50.00	\$ 1,600.00
B11)	Supply and apply pavement handicap parking symbols	4.0	each	\$ 350.00	\$ 1,400.00

<b>SUB-TOTAL "B" CARRIED FORWARD TO SUMMARY</b>
-------------------------------------------------

\$

**109,889.50**

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
------	-------------	--------------------	------	------------	-------

**C. MISCELLANEOUS ITEMS**

Provide all labour, materials and equipment necessary to complete the following works as per the drawings and specifications.

C1)	Removal off-site of the complete snow fence and filter fabric sedimentation control device.	810.0	m	\$ 10.00	\$ 8,100.00
C2)	Removal off-site of catchbasin siltation traps.	15.0	each	\$ 70.00	\$ 1,050.00

**SUB-TOTAL "C" CARRIED FORWARD TO SUMMARY**

**\$**

**9,150.00**