

Summer Villages of Poplar Bay, Grandview, Ma-Me-O Beach, and Crystal Springs

**South Side Wastewater
Self Assessment Estimate for On Lot Costs**

General Information and Assumptions

This spreadsheet calculates estimated costs for budget purposes only.
Actual costs for an individual lot will be determined by a contractor prior to installation.

Assumptions:

- costs shown are based on DBM 3 issued by MPE engineering
- tanks will be pumped out and inspected as part of the installation even if previous inspections have been conducted.
- any tanks that do not meet the condition requirements will not be connected until they are repaired or replaced.
- each municipality will communicate the timelines for completion of connections

- this model assumes the top of your tank is not more than 2 meters below the ground surface.
- if your tank is deeper than that, or if other unusual circumstances exist, costs may be higher and an individual estimate will be needed.

- the area of disturbance for surface costs will vary depending on the depth of the tank and soil conditions.
- the area of disturbance will also vary if a pump vault or secondary tank is needed.

Note: This is the total estimate of on lot costs and does not allow for any volume discounts or rebates that may apply.

South Side Wastewater

Self Assessment Estimate for On Lot Costs

DATE: _____

Costs related to the Wastewater System have been provided by MPE engineering in DBM 3A
 Surface related costs have been estimated based on current experience by a local construction firm

Please see the individual pages for each Case for additional information.

	Case I	Case II	Case III	Case IV	
	Retrofit existing compliant dual compartment 2 access tank	Single compartment tank over 1000 gallons, or dual compartment with only one riser	Single compartment tank under 1000 gallons includes new 500 gallon concrete tank	New dual compartment tank	
1	Common Costs for Base Case	\$ 5,850	\$ 8,000	\$ 9,375	\$ 11,275
2	Site condition if complex or obstructed Add:	\$ 800	\$ 1,100	\$ 1,300	\$ 1,500
	Distance in meters from tank to electrical panel				
	Rate	\$ 40	\$ 40	\$ 40	\$ 40
3	Total				
	Distance in meters from property line to tank				
	Rate	\$ 80	\$ 80	\$ 80	\$ 80
4	Total *				
	Distance in meters from House to tank - CASE IV ONLY				
	Rate				\$ 60
5	Total				
Total Equipment Cost Add 1 through 5				Box A	

6	Lot Surface - Preparation and Remediation	unit of measure	unit price	number of units	sub total
	removal of concrete	meter square	\$ 185.00		
	removal of paving stone	meter square	\$ 65.00		
	removal of gravel	meter square	\$ 12.00		
	removal of top soil / sand	meter square	\$ 8.00		
	removal of trees and stump 300 mm caliper	each	\$ 150.00		
	removal of trees and stump 200 mm caliper	each	\$ 150.00		
	removal of trees and stump 100mm caliper	each	\$ 150.00		
	removal of shrubs	lineal meter	\$ 45.00		
	Replace trees 300 caliper Conf ___ Decid. ___	each	\$ 950.00		
	Replace trees 200 caliper Conf ___ Decid. ___	each	\$ 650.00		
	Replace trees 100 caliper Conf ___ Decid. ___	each	\$ 350.00		
	Replace shrubs	each	\$ 57.00		
	removal /replace wooden privacy fence 1.5 m height	lineal meter	\$ 125.00		
	removal of chain link fence 1.5 height	lineal meter	\$ 42.00		
	replacement of chain link fence	lineal meter	\$ 80.00		
	salvage and replace wood mulch	meter square	\$ 15.00		
	Install top soil by 100mm depth.	meter square	\$ 15.00		
	install sod	meter square	\$ 6.00		
Total Lot Surface Costs				Box B	
Total On Lot Cost					Box A Plus Box B

Note: These are estimated costs for budget purposes only. The contractor will provide a quote prior to installation.

**South Side Wastewater Local Lines Project
Self Assessment Estimate for On-Lot Costs**

Prices are approximate only, and based contractor pricing for materials as provided by MPE.

A. Common Costs - all lots - fixed

1 Installation of Service Connections

Description

mobilization, demobilization, and permits
connection to local line, cc valve

**unit of
measure**

each
supply/install each

unit price

\$ 250.00
\$ 250.00

Qty

1
1

sub total

\$ 250.00
\$ 250.00

**Difficult or
Obstructed Area
ADD:**

\$250

2 Effluent Pump Package and controls

Biotube, pump and equipment including panel
Installation of above
Control panel hookup incl high level alarm

supply each
install each
supply/install each

\$ 2,700.00
\$ 800.00
\$ 250.00

1
1
1

\$ 2,700.00
\$ 800.00
\$ 250.00

Total Common Costs - fixed

\$ 4,250.00

\$

500.00

B. Common Costs - all lots - variable

These distances entered on the input form

Service pipe to tank install and supply
Electrical service

supply/install lineal meter
supply/install meters

\$ 80.00
\$ 40.00

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**Case I
Retrofit existing compliant tank**

Costs associated with use of a compliant existing 2 compartment 2 access tank

In addition to Common Costs:

pump out and condition inspection	each	\$ 500.00	1	\$ 500.00	
access way insulation	each	\$ 100.00	2	\$ 200.00	
general plumbing				\$ 600.00	\$ 200.00
contingency				\$ 300.00	\$ 100.00
				<u>\$ 1,600.00</u>	<u>\$ 300.00</u>

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**Case II
Retrofit Single Compartment tank - separate pump vault**

This includes the installation of a pump vault to house the pump and allow for pump maintenance. It would be used by homeowners with a two compartment tank with only a single access or with a single compartment tank of at least 1000 gallons with a single access.

In addition to Common Costs:

pump out and condition inspection	each	\$ 500.00	1	\$ 500.00	
supply 600 mm Ultra Rib basin with insulated access	each	\$ 1,050.00	1	\$ 1,050.00	
Install above	each	\$ 600.00	1	\$ 600.00	\$400
access way insulation				\$ 100.00	
spray foam insulation	supply/install	\$ 300.00	1	\$ 300.00	
pipe insulation (for pipe <2.5 m below ground)	supply/install	\$ 40.00	5	\$ 200.00	
general plumbing	meter	\$		\$ 600.00	\$100
contingency		\$		\$ 400.00	\$100
	Total			\$ 3,750.00	\$600

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**Case IV
New Two Compartment Tank**

In addition to Common Costs:

Installation of inlet sewer (input on template)	supply/install	meter	\$ 60.00	\$ -	
supply 1220 gal concrete 2 comp tank	supply		\$ 4,125.00	1 \$ 4,125.00	
Install above	install		\$ 1,500.00	1 \$ 1,500.00	\$900
spray foam insulation	supply/install		\$ 800.00	1 \$ 800.00	\$100
Contingency			\$ 600.00		
				<u>\$ 7,025.00</u>	<u>\$1,000</u>

**South Side Wastewater Local Lines Project
Self Assessment Estimate for On-Lot Costs**

Prices are approximate only, and based contractor pricing for materials as provided by MPE.

**Estimated On Lot Landscaping and Remediation Costs
All Cases**

Lot Surface - Preparation and Remediation	unit of measure	unit price	number of units sub total
removal of concrete	meter square	\$ 185.00	
removal of paving stone	meter square	\$ 65.00	
removal of gravel	meter square	\$ 12.00	
removal of top soil	meter square	\$ 8.00	
removal of trees and stump 300 mm caliper	each	\$ 150.00	
removal of trees and stump 200 mm caliper	each	\$ 150.00	
removal of trees and stump 100mm caliper	each	\$ 150.00	
removal of shrubs	lineal meter	\$ 45.00	
Replace trees 300 caliper Conf ____ Decid. ____	each	\$ 950.00	
Replace trees 200 caliper Conf ____ Decid. ____	each	\$ 650.00	
Replace trees 100 caliper Conf ____ Decid. ____	each	\$ 350.00	
Replace shrubs	each	\$ 57.00	
removal /replace wooden privacy fence 1.5 m height	lineal meter	\$ 125.00	
removal of chain link fence 1.5 height	lineal meter	\$ 42.00	
replacement of chain link fence	lineal meter	\$ 80.00	
salvage and replace wood mulch	meter square	\$ 15.00	
Install top soil by 100mm depth.	meter square	\$ 15.00	
install sod	meter square	\$ 6.00	
Lot Surface costs			

Area of disturbance will vary depending on the installation required - for example a second tank or pump vault.

