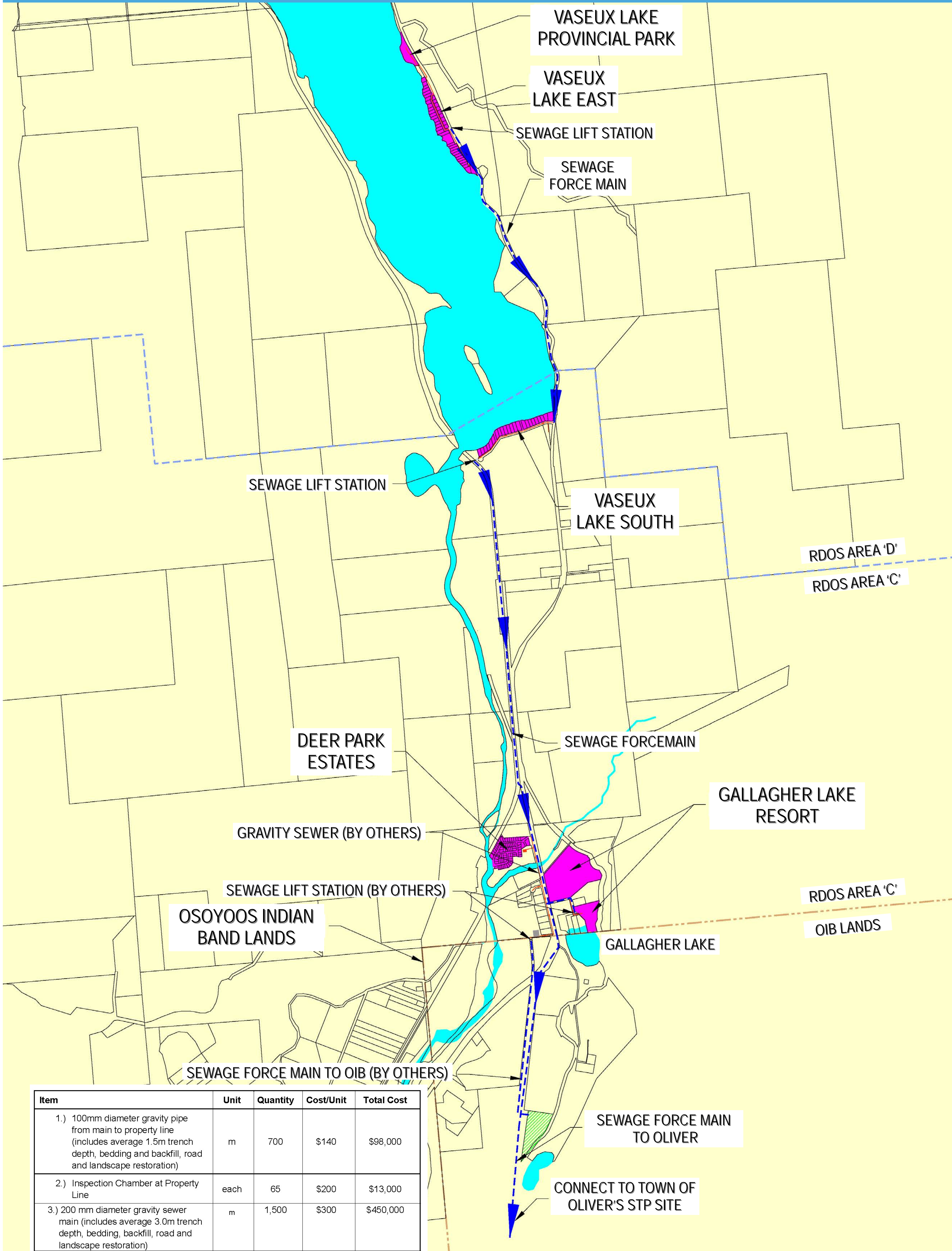


GALLAGHER LAKE & VASEUX LAKE AREAS LIQUID WASTE MANAGEMENT PLAN

VASEUX LAKE TO OLIVER STP SITE



Item	Unit	Quantity	Cost/Unit	Total Cost
1.) 100mm diameter gravity pipe from main to property line (includes average 1.5m trench depth, bedding and backfill, road and landscape restoration)	m	700	\$140	\$98,000
2.) Inspection Chamber at Property Line	each	65	\$200	\$13,000
3.) 200 mm diameter gravity sewer main (includes average 3.0m trench depth, bedding, backfill, road and landscape restoration)	m	1,500	\$300	\$450,000
4.) 1,200 diameter sewer manhole (includes base, frame and cover)	v.m.	60	\$1,200	\$72,000
5.) Vaseux east lift station	LS	1	\$150,000	\$150,000
6.) Vaseux south lift station	LS	1	\$250,000	\$250,000
7.) 75 mm sewer forcemain from Vaseux east to Vaseux south (includes trenching, backfill, road and landscape restoration)	m	2,400	\$150	\$360,000
8.) 100 mm sewer forcemain from Vaseux south to Oliver (includes trenching, backfill, road and landscape restoration)	m	8,480	\$200	\$1,696,000
9.) Land acquisition allowance	LS	1	\$500,000	\$500,000
10.) Upgrades to the Town of Oliver's sewer system allowance	LS	1	\$700,000	\$700,000
Sub-Total				\$4,289,000
Engineering and Contingency				\$1,300,000
Total (w/o HST)				\$5,589,000

The single family unit capital and operational cost is summarized below and is based on the following parameters:

- 2/3 senior government funding for capital expenditures (but excludes 18% Okanagan Basin Water Board (OBWB) funding)
- \$60,000/year in conveyance costs to Oliver
- Oliver connection fee of \$857/unit
- \$225/SFU for annual Oliver operations and maintenance
- 24 SFU for Vaseux South and 41 SFU for Vaseux East
- Costs exclude connections within lots

Item	Total Cost
1.) Capital improvements	\$28,662
2.) Per unit Oliver connection fee	\$857
Total Capital Estimate per SFU (w/o HST)	\$29,519
Total Annual Operation per SFU	\$1,148/year

Cost breakdown can be found on the "Cost Comparison" Story board