GALLAGHER LAKE & VASEUX LAKE AREAS LIQUID WASTE MANAGEMENT PLAN

VASEUX LAKE TO OIB STP SITE VIA GALLAGHER



Total Cost ltem Unit Quantity Cost/Unit 1.) 100mm diameter gravity pipe from main to property line (includes average 1.5m trench 700 \$140 \$98,000 m depth, bedding and backfill, road and landscape restoration) 2.) Inspection Chamber at Property \$200 \$13,000 each 65 Line 3.) 200 mm diameter gravity sewer \$450,000 1,500 \$300 m main (includes average 3.0m trench depth, bedding, backfill, road and landscape restoration) 4.) 1,200 diameter sewer manhole 60 \$1,200 \$72,000 v.m. (includes base, frame and cover) 5.) Vaseux east lift station \$150,000 \$150,000 1 LS 6.) Vaseux south lift station 1 \$250,000 \$250,000 LS 7.) 75 mm sewer forcemain from 2,400 \$360,000 \$150 m Vaseux east to Vaseux south (includes trenching, backfill, road and landscape restoration) \$580,000 8.) 100 mm sewer forcemain from 2,900 \$200 m Vaseux south to Gallagher (includes trenching, backfill, road and landscape restoration) 9.) Land acquisition allowance \$500,000 \$500,000 1 LS Sub-Total \$2,473,000 Engineering and Contingency \$750,000 Total (w/o HST) | \$3,223,000

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)

NEW OIB SEWAGE

TREATMENT PLANT

SITE

- \$40,000/year in conveyance costs to OIB
- OIB connection fee of \$6,000/unit (reduced from the previous \$7,500)
- \$330/SFU for annual OIB operations and maintenance
- 24 SFU for Vaseux South and 41 SFU for Vaseux East
- Costs exclude connections within lots

ltem	Total Cost
1.) Capital improvements	\$16,528
2.) Per unit OIB connection fee	\$6,000
Total Capital Estimate per SFU	\$22,528
(w/o HST)	
Total Annual Operation per SFU	\$945/year

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