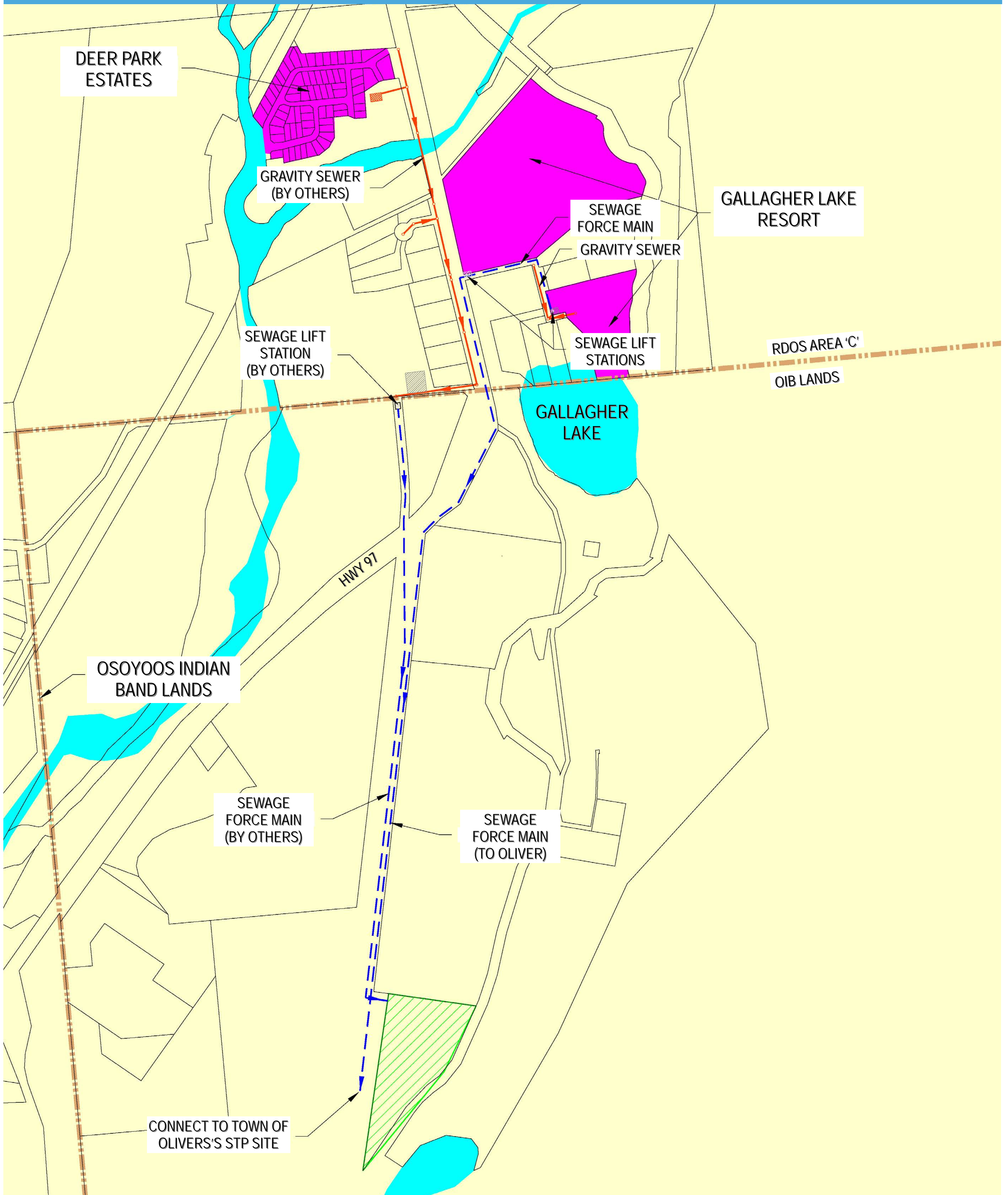


GALLAGHER LAKE & VASEUX LAKE AREAS LIQUID WASTE MANAGEMENT PLAN

GALLAGHER LAKE TO OLIVER STP SITE



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

Item	Unit	Quantity	Cost/Unit	Total Cost
1.) 200 mm diameter gravity sewer main (includes average 3.0m trench depth, bedding, backfill, road and landscape restoration)	m	200	\$300	\$60,000
2.) 1,200 diameter sewer manhole (includes base, frame and cover)	v.m.	10	\$1,200	\$12,000
3.) Gallagher lift station	LS	1	\$80,000	\$80,000
4.) Central lift station	LS	1	\$250,000	\$250,000
5.) 75 mm sewer forcemain from central lift station to Oliver treatment facility (includes trenching, backfill, road and landscape restoration)	m	5,580	\$150	\$837,000
6.) Land acquisition allowance	LS	1	\$500,000	\$500,000
7.) Upgrades to the Town of Oliver's sewer system allowance	LS	1	\$700,000	\$700,000
Sub-Total				\$2,439,000
Engineering and Contingency				\$750,000
Total (w/o HST)				\$3,189,000

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)
- \$50,000/year in conveyance costs to Oliver
- Oliver connection fee of \$857/unit
- \$225/SFU for annual Oliver operations and maintenance
- 136 SFU for Gallagher Lake
- 42 SFU equivalents for the KOA campground based on a daily flow of 47,250 L/day and 2.5 people/unit as provided by MMM (July 15, 2011)
- Costs exclude private, strata lands and internal campground connections and collections systems
- Cost exclude potential for savings in the event that the existing Vincor forcemain is used

Item	Total Cost
1.) Capital improvements	\$5,972
2.) Per unit Oliver connection fee	\$857
Total Capital Estimate per SFU (w/o HST)	\$6,829
Total Annual Operation per SFU	\$506/year