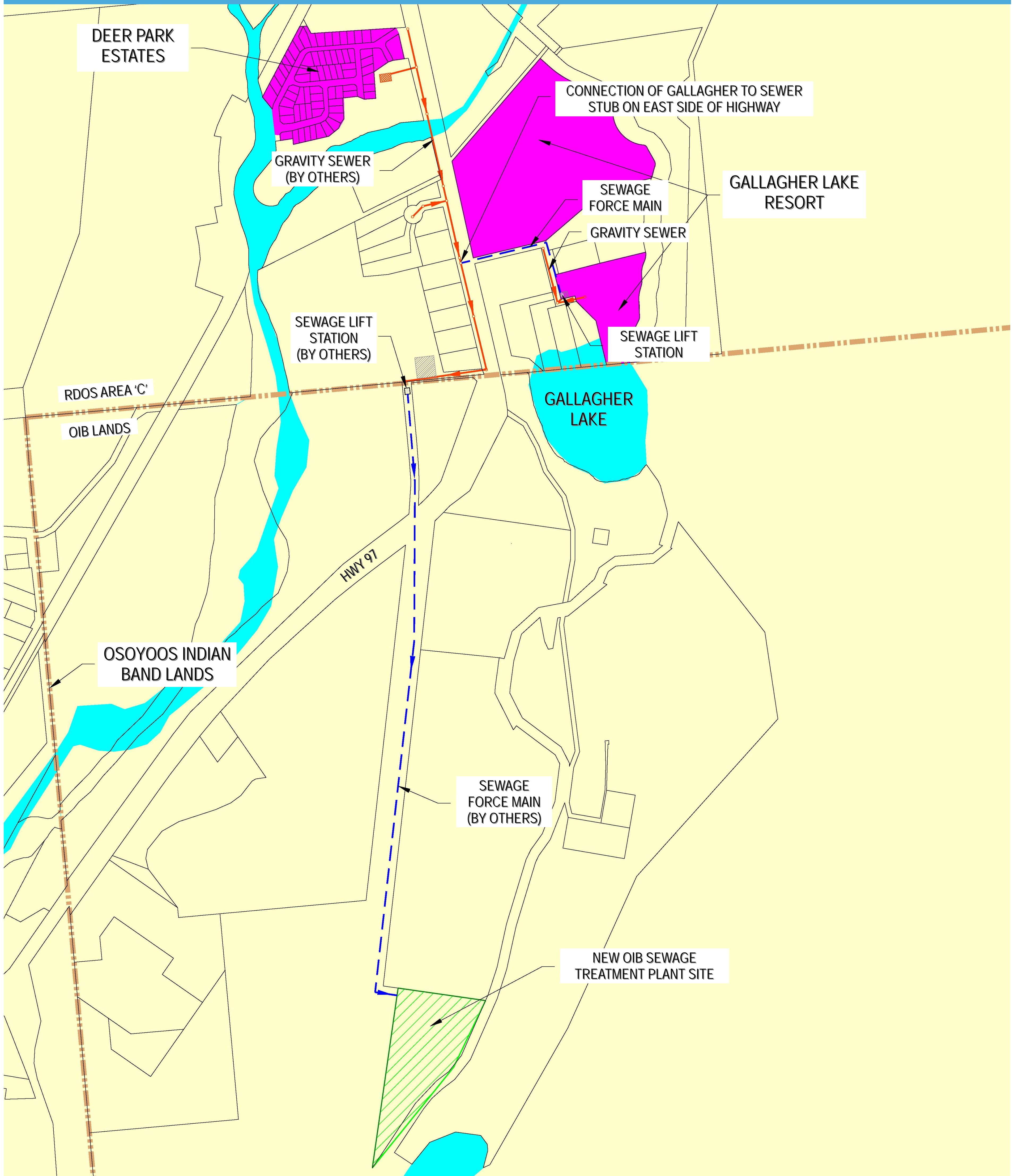


# GALLAGHER LAKE & VASEUX LAKE AREAS LIQUID WASTE MANAGEMENT PLAN

## GALLAGHER LAKE TO OIB 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) to Hwy 97 east side connection	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 w/o standby	Ls	1	\$80,000	\$80,000
4.) 75 mm sewer forcemain from satellite lift station to OIB treatment facility (includes trenching, backfill, road and landscape restoration)	m	200	\$150	\$30,000
Sub-Total				\$182,000
Engineering and Contingency				\$55,000
Total (w/o HST)				\$237,000

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 (OBVWB) funding)
- \$20,000/year in conveyance costs and system operation and maintenance (Excludes Deer Park)
- OIB connection fee of \$6,000/unit (reduced from the previous \$7,500)
- \$330/SFU for annual OIB 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 off-site infrastructure capital contributions along Highway 97 to OIB

Item	Total Cost
1.) Capital improvements	\$444
2.) Per unit OIB connection fee	\$6,000
Total Capital Estimate per SFU (w/o HST)	\$6,444
Total Annual Operation per SFU	\$442/year