

REPORT



Council

MEETING DATE: November 21, 2024

TO: Mayor and Council

CC: Rod Risling, CAO

FROM: Jim Zakall, Director of Financial Services

SUBJECT: **Highlights for the 2025-2029 Sewer Operating Budget – Updated to November 21, 2024**

BACKGROUND

Budget presentation for the 2025-2029 Sewer Operating Budget, highlighted changes in the budget.

OVERVIEW

Sewer user fees are budgeted with a 6.63% increase in 2025 and 5% in the years 2026-2029. In 2025 the 6.63% increase represents a \$289,656 increase in revenues and distributed as follows:

SEWER FUND			Annual	Monthly
Operations	\$133,874	3.06%	\$20.79	\$1.73
Capital Projects	\$54,682	1.25%	\$8.49	\$0.71
Inflation Adjustment Sewer Sustainability Fund	\$71,100	1.63%	\$11.04	\$0.92
Fleet Reserve	\$30,000	0.69%	\$4.66	\$0.39
		Total	\$44.98	\$3.75

Operations:

Operating expenditures, not including transfers to reserves have increased by \$133,874 as summarized below. The Sewer Operating budget is \$2,180,900 for 2025.

- Wages \$97,364
- Increase in administrative costs associated with quarterly billing \$17,500
- Maintenance \$26,560
- Power -\$7,550

Reserve Funds:

Reserve funds included in the 2025-2029 budget include annual contributions for:

- Sewer Sustainability Fund \$1,323,300
 - Inflation Adjustment \$71,100
 - Total \$1,394,400
- Capital Contingency Fund \$100,000
- PSAB 3280 Fund \$100,000

New for 2025

- Fleet Reserve \$30,000
 - A fleet reserve fund would ensure funds are available when the need to purchase

vehicles for servicing the utility department. Past practice would utilize sewer reserves to pay.

Sewer Capital Projects:

- 2024 Capital projects carried forward to 2025 for completion
 - WWTL – Auxiliary Power
 - Flood Works – renamed Lift Station Electrical Raises, Complete with Portable Kiosk
 - Magnolia Place Reconstruction
 - Marina WWPS

2025

- Lift Station Electrical Raises, Complete with Portable Kiosk (2024 CF) \$923,000
- CCTV Program (\$140,000 annually) \$700,000
- Magnolia Place Reconstruction (2024 CF) \$376,000
- Manhole Smart Covers \$75,000
- Piazza Lift Station Replacement \$694,000
- Marina WWPS (2024 CF) \$45,000
- Quail Place Sanitary Sewer Reconstruction \$147,000
- Ponderosa Dr. Sanitary Sewer Upgrades \$492,000

2026

- Harbour Key CIPP Sanitary Sewer Lining \$565,000
- WWTL Auxiliary Power \$219,000
- WWTP Upgrade Preliminary Design & Planning \$250,000
- 89th St Relining – Part B \$258,000
- 89th St Relining – Part C \$705,000
- 62nd Avenue Relining \$460,000
- SCADA System Upgrades \$363,000
- Chlorine Contact Tank Recirculation \$370,000
- Gala Lift Station Replacement \$720,000

2027

- Cottonwood Drive Trunk Main Upsizing \$951,000
- Starlite Lift Station Pump Capacity Increase \$300,000
- 44th Ave WWPS \$300,000
- 89th St Foreshore Relining \$400,000
- Oleander Dr Foreshore Relining \$900,000

2028

- Maple Trunk Main Upsizing \$808,000
- Reclaimed Wastewater Storage and Irrigation Study \$109,000
- Master Plan Review \$45,000
- WWTP Desludging \$800,000
- Forcemain Odor Reduction \$370,000
- Border & Cottonwood WWPS \$216,000

2029

- Forcemain Upgrades near WWTL \$300,000
- Air Piping Upgrades \$1,500,000
- Kingfisher Foreshore Relining \$1,100,000

**TOWN OF OSOYOOS
BYLAW NO. 1389.02**

A Bylaw to amend Town of Osoyoos Sewer Regulations and Rates Bylaw 1389.

WHEREAS Council deems it necessary and desirable to amend, Town of Osoyoos Sewer Regulations and Rates Bylaw 1389, 2023;

NOW THEREFORE BE IT RESOLVED THAT the Council of the Town of Osoyoos, in open meeting assembled **ENACTS AS FOLLOWS:**

Part 1 - Citation

1. This Bylaw shall be cited as "Town of Osoyoos Sewer Regulations and Rates Amendment Bylaw No. 1389.02, 2024".
2. That Schedule "B" of "Town of Osoyoos Sewer Regulations and Rates Bylaw 1389, 2023" be deleted in its entirety and replaced with a revised Schedule "B" that is attached to, and forms part of, this Bylaw.
3. That Schedule "C" of "Town of Osoyoos Sewer Regulations and Rates Bylaw 1389, 2023" be deleted in its entirety and replaced with a revised Schedule "C" that is attached to, and forms part of, this Bylaw.

Read a first and second and third time on the day of , 2024.

Adopted on the day of , 2024.

MAYOR

CORPORATE OFFICER

SEWER REGULATIONS AND RATES BYLAW NO. 1389, 2023
“SCHEDULE B”

CHARGES

Connection Charge – Within *Town* Boundaries

- 1.1. The following one-time *connection charge* shall be payable for provision of a *service connection* to serve a parcel:

- 1.1.1. For a single-family *dwelling unit*:

First 100 mm (4 inch) diameter gravity connection.

Connection Charge: 100% of *actual cost plus 15% administrative fee*

- 1.1.2. Connections for all other users or connections of sizes other than 100 mm (4 inch) diameter, and additional connections to a parcel.

Connection Charge: 100% of *actual cost plus 15% administrative fee*

- 1.1.3. For the first *service connection* included as a part of works chargeable to the owner under a *local service tax* or for connections constructed by developer at no cost to the *Town*:

Connection Charge: 100% of *actual cost plus 15% administrative fee*

- 1.1.4. If the *Town* has *front-ended* the cost of the additional *service connection*, the *connection charge* shall equal the actual cost plus 10%, plus a financing charge calculated at a rate of 5.5% per annum which shall be added on annually on each anniversary of the installation date, until the sum is paid, or for a maximum period of five years, whichever event occurs first, after which no further financing charge shall be added.

- 1.2. Where, for the *sanitary sewerage service*, a *local service tax* or *latecomer charge* is established under a separate bylaw or agreement, that charge shall take precedent over the aforementioned *connection charges*.

- 1.3. Each existing connection or *sanitary developer reimbursed (SDR)* connection:

Connection to an existing *sanitary sewer main connection* or sanitary developer reimbursed (SDR) *connection* for a *Single-Family dwelling unit*, provided that the *connection* was not part of a local area service or other cost recovered project.

Connection Charge: \$5,250.00 Per Connection

Connection to an existing storm water drainage service *connection* or drainage "developer reimbursed" (DDR) *connection*, provided that the *connection* was not part of a local area service or other cost recovered project.

Connection Charge: \$5,250.00 Per Connection

- 1.4. In addition to the applicable connection charge set out above, an applicant must pay an inspection fee of \$115.00 to the *Town*.

Quarterly Users Charge

- 1.5. Every owner of a parcel or the occupant (hereinafter referred to as "the User") whose land is served directly or indirectly by a connection to the sanitary sewerage system of the Town shall pay to the Town the annual user charges based on the actual property use as set out within this Schedule.

Connection Charge – Outside *Town* Boundaries

- 1.6. If the applicable parcel is within the Regional District of Okanagan-Similkameen Area A and abuts the *Town's sanitary sewer system*: \$23,780 per single family equivalent plus the actual cost of connection, plus a 20% administrative fee.
- 1.7. If the applicable parcel is within the Regional District of Okanagan-Similkameen Area A and does not abut the *Town's sanitary sewer system*: \$23,790 per single family equivalent, plus the actual cost required to upgrade the *Town's sanitary sewer system* to offer *sewer services* to the parcel by extending the *sanitary sewer system* to the property line, plus a 20% administrative fee.
- 1.8. In addition to the applicable connection charge set out above, an applicant must pay an inspection fee of \$115.00 to the *Town*.

Users without Metered Water Service

Categories of charges are based on actual use of property.

<u>Table 1 - Quarterly User Charges</u>	
USER RATES FOR SEWER SYSTEM	Quarterly Rates
<u>FLAT RATES</u>	
a. Single and two family dwellings, per unit	180.85
b. Multiple dwellings over two units, per unit	180.85
c. All Retail Stores or Services, Offices, Medical Centres, Churches, Barber Shops, and Light Industrial	180.85
d. Cafes, Coffee Shops, Dining Rooms, Lounges, Legion, Golf Club House, Restaurants, Pubs - up to 50 seats	603.09
e. plus, for each additional 50 seats or part thereof	323.29
f. Rooming Houses, Hotels, Motels, Bed and Breakfast Care Facilities per unit	121.12
g. Campgrounds, R.V. Parks- per site	104.92

h.	Beauty Parlours, Garages, Senior Centre, Service Stations, Supermarkets	342.92
i.	Day Care Centre	504.14
j.	R.C.M.P., Post Office, Health Centre, Curling Club, Desert Park Equestrian Centre, Sterile Insect Release Facility, Waterslide	704.59
k.	Laundromats - per washing machine	71.65
l.	Sun Bowl Arena	1,247.10
m.	Precast Concrete Plant, Redi-Mix Plant	504.14
n.	Car wash – per bay	704.59
o.	Schools – per room	331.82
p.	Joint Port of Entry – basis on the equivalent of 38 residential Units @ \$180.85/unit x US conversion (0.7200 + bank charges 0.03)	5,154.23US
q.	O.I.B. Desert Centre – basis on the equivalent of 8 residential unit	1,446.80

Where two or more uses are made of a single property or building, multiples or combinations of the user rate shall apply. In the case there is a residence accompanying a commercial undertaking without a definite separation of fixtures available to each use, the applicable rate shall be the higher of the two rates but not both.

- 1.9. Quarterly user charges are subject to a 10% penalty if paid after the due date as stated on the utility bill notice. All utility charges including penalties if left unpaid on December 31st of the year will be considered taxes in arrears payable the following year.

Users With Metered Water Service.

METERED RATES

- 1.10. Sewer users with an effluent or sewage flow meter shall be charged at the rate of \$2.52 per cubic metre of measured effluent.
- 1.11. For metered water users without effluent flow meters, the charge for use of the sewage system shall be calculated as 80% of the recorded volume of metered water used times a rate of \$2.52 per cubic metre.

Sewer Cross Connection Surcharge

- 1.12. The *sewer cross-connection surcharge* shall be equivalent to the Users Without Metered Water Service: Quarterly User Charges listed in Table 1 - Quarterly Users Charges.

SEWER REGULATIONS AND RATES BYLAW NO. 1389, 2023
“SCHEDULE C”

USER RATES FOR RURAL SEWER SYSTEM

1. Every owner of a parcel or the occupant (hereinafter referred to as "the User") whose land is served directly or indirectly by a connection to the *sanitary sewerage system* of the *Town* shall pay to the *Town* the quarterly *user charges* based on the actual property use as set out within this Schedule.

USER RATES FOR RURAL SEWER SYSTEM

Quarterly Rates

FLAT RATES

a. Single- and two-family dwellings, per unit	204.10
b. Rooming Houses, Hotels, Motels, Bed and Breakfast Care Facilities per unit	156.55
c. Light Industrial	204.10

Where two or more uses are made of a single property or building, multiples or combinations of the user rate shall apply. In the case there is a residence accompanying a commercial undertaking without a definite separation of fixtures available to each use, the applicable rate shall be the higher of the two rates but not both.

2. Quarterly user charges are subject to a 10% penalty if paid after the due date. All utility charges including penalties if left unpaid on December 31st of the year will be considered taxes in arrears payable the following year.

TOWN OF OSOYOOS

SEWER OPERATING AND CAPITAL



For Period Ending 30-Sep-2024

		2025 BUDGET	2024 BUDGET	BUDGET VARIANCE \$	BUDGET VARIANCE %	2024 ACTUAL	2023 ACTUAL
SEWER OPERATING FUND							
REVENUE							
SEWER UTILITY - REVENUE							
3-1-134-000	SEWER - RATES EARNED	-4,168,600	-3,885,144	-283,456	7.30	-3,864,978.61	-2,161,499.83
3-1-134-001	SEWER - USER FEES - NW SECTOR	-112,400	-106,200	-6,200	5.84	-104,329.58	-63,961.84
3-1-134-002	SEWER - CON & INSPECTION FEES	-4,500	-4,500	0	0.00	-12,049.22	-14,130.00
3-1-134-005	SEWER - PARCEL TAX	-326,790	-326,790	0	0.00	-328,011.00	-357,473.91
3-1-134-007	SEWER - OBWB FACILITY GRANT	-16,401	-16,401	0	0.00	-32,802.54	-16,401.27
3-1-134-009	SEWER - ACTUARIAL ADJUSTMENT	0	0	0	0.00	0.00	-37,384.12
Total SEWER UTILITY - REVENUE		-4,628,691	-4,339,035	-289,656	6.68	-4,342,170.95	-2,650,850.97
SEWER - CAPITAL REVENUE							
3-1-135-000	SEWER - INFRASTRUCTURE GRANT	-923,000	-2,857,794	1,934,794	-67.70	0.00	-2,038.67
3-1-135-001	SEWER - APPROPRIATED FROM SURPLUS	0	-1,002,299	1,002,299	-100.00	0.00	0.00
3-1-135-002	SEWER - TRANSFER FROM DCC'S	-12,702	0	-12,702	0.00	0.00	0.00
3-1-135-004	SEWER - TRANSFER FROM RESERVE	-1,552,562	-2,140,987	588,425	-27.48	0.00	-377,843.00
3-1-135-007	SEWER - MFA DEBT ISSUE REFUND	0	0	0	0.00	-5,722.59	0.00
Total SEWER - CAPITAL REVENUE		-2,488,264	-6,001,080	3,512,816	-58.54	-5,722.59	-379,881.67
Total REVENUE		-7,116,955	-10,340,115	3,223,160	-31.17	-4,347,893.54	-3,030,732.64
EXPENDITURES							
SEWER UTILITY OPERATING EXPENSE							
3-2-297-001	SEWER - ENGINEERING	10,000	10,000	0	0.00	33,202.00	13,298.29
3-2-297-002	SEWER - TRAINING	25,000	20,000	5,000	25.00	14,703.03	14,150.16
3-2-297-003	SEWER - ADMINISTRATION	137,500	120,000	17,500	14.58	120,000.00	120,000.00
3-2-297-004	SEWER - GIS	10,000	3,500	6,500	185.71	2,937.79	0.00
3-2-297-005	SEWER - MAINTENANCE (MATERIAL)	87,500	85,000	2,500	2.94	67,817.60	90,983.40
3-2-297-006	SEWER - PUMP MAINTENANCE (MATERIAL)	51,500	50,000	1,500	3.00	84,979.03	115,325.04
3-2-297-007	SEWER - PUMPHOUSE MAINT. (MATERIAL)	10,500	10,000	500	5.00	3,801.73	8,035.75
3-2-297-008	SEWER - ODOR CONTROL	50,000	50,000	0	0.00	1,206.87	48,522.06
3-2-297-009	SEWER - RIGHT OF WAY & SURVEYS	2,100	2,040	60	2.94	1,670.00	2,500.00
3-2-297-011	SEWER - BLDG INSP/DEV SVS COSTS	10,500	10,000	500	5.00	10,000.00	9,500.00
3-2-297-012	SEWER - EQUIPMENT COSTS	3,800	3,800	0	0.00	3,422.65	5,922.92
3-2-297-013	SEWER - WWT - MAINTENANCE	90,000	70,000	20,000	28.57	73,916.62	86,504.36
3-2-297-014	SEWER - WWT - CHLORINE	35,000	35,000	0	0.00	18,653.75	12,733.30
3-2-297-015	SEWER - SCADA	6,000	10,000	-4,000	-40.00	3,879.23	5,179.23
3-2-297-016	SEWER - MAJOR MAINT.	50,000	50,000	0	0.00	0.00	0.00
3-2-297-017	SEWER - CCTV PROGRAM	140,000	0	140,000	0.00	0.00	0.00
3-2-297-400	SEWER - STIPEND	39,000	37,470	1,530	4.08	33,077.04	34,635.95
3-2-297-500	SEWER - SALARIES	644,000	600,820	43,180	7.19	424,029.59	527,433.97
3-2-297-501	SEWER - MAINTENANCE (WAGES)	698,500	651,846	46,654	7.16	255,292.80	350,125.26
3-2-297-850	SEWER - PUMP POWER	170,000	177,550	-7,550	-4.25	158,949.57	166,012.37
3-2-297-900	SEWER - CONTINGENCY	50,000	50,000	0	0.00	0.00	0.00
3-2-297-910	TRANSFER TO SEWER CAPITAL RESERVE	1,624,400	1,523,300	101,100	6.64	1,523,300.00	284,310.00
3-2-297-999	TRANSFER OF CAPITAL LEASE TO EQUITY	0	0	0	0.00	0.00	-4,885.35

TOWN OF OSOYOOS

SEWER OPERATING AND CAPITAL



For Period Ending 30-Sep-2024

	2025 BUDGET	2024 BUDGET	BUDGET VARIANCE \$	BUDGET VARIANCE %	2024 ACTUAL	2023 ACTUAL
SEWER OPERATING FUND						
Total SEWER UTILITY OPERATING EXPENSE	3,945,300	3,570,326	374,974	10.50	2,834,839.30	1,890,286.71
SEWER UTILITY - DEBT CHARGES						
3-2-298-000 SEWER - INTEREST BYLAW 1184	0	0	0	0.00	0.00	15,618.00
3-2-298-001 SEWER - PRINCIPAL BYLAW 1184	0	0	0	0.00	0.00	16,572.94
3-2-298-022 SEWER - INTEREST BY-LAW 1347	78,400	78,400	0	0.00	78,400.00	78,400.00
3-2-298-023 SEWER - PRINCIPAL BY-LAW 1347	130,255	130,255	0	0.00	130,254.98	130,254.98
3-2-298-030 SEWER ACCRUED INTEREST	0	0	0	0.00	0.00	3,808.22
3-2-298-900 DEPRECIATION EXPENSE	0	0	0	0.00	0.00	585,595.00
3-2-298-999 TRANS OF PRINCIPAL DEBT TO EQUITY	0	0	0	0.00	0.00	-146,827.92
Total SEWER UTILITY - DEBT CHARGES	208,655	208,655	0	0.00	208,654.98	683,421.22
SEWER - CAPITAL EXPENDITURES						
3-2-299-001 SEWER - LAGOON	219,000	229,223	-10,223	-4.46	0.00	13,776.58
3-2-299-002 SEWER - REPLACEMENT WALTON WWPS	0	559,949	-559,949	-100.00	11,413.50	688.53
3-2-299-008 SEWER - Sodium Hypochlorite Bulk System	0	0	0	0.00	0.00	7,036.00
3-2-299-009 SEWER - ASSET MANAGEMENT/CAPITAL P	0	0	0	0.00	0.00	93,353.68
3-2-299-010 SEWER - SCADA UPGRADES	0	69,072	-69,072	-100.00	86,689.21	238,717.75
3-2-299-020 SEWER - FLOOD WORKS	923,000	924,461	-1,461	-0.16	19,332.97	2,038.67
3-2-299-035 SEWER - GOLF COURSE UPGRADES	0	0	0	0.00	0.00	300,000.00
3-2-299-201 SEWER - MAGNOLIA PLACE	368,000	375,000	-7,000	-1.87	8,303.00	0.00
3-2-299-202 SEWER - SCADA UPGRADES	0	158,429	-158,429	-100.00	57,066.25	0.00
3-2-299-203 SEWER - WWTP ODOUR CONTROL	0	2,900,000	-2,900,000	-100.00	245,211.66	0.00
3-2-299-204 Piazza Lift Station Replacement	694,000	0	694,000	0.00	0.00	0.00
3-2-299-205 SEWER - WWTP UPGRADE PRELIM DES &	0	1,000,000	-1,000,000	-100.00	0.00	323.75
3-2-299-206 SEWER - MANHOLE SMART COVERS	75,000	0	75,000	0.00	0.00	0.00
3-2-299-207 Quail Place Sanitary Sewer Reconstructio	147,000	0	147,000	0.00	0.00	0.00
3-2-299-208 Ponderosa Dr. Sanitary Sewer Upgrades	492,000	0	492,000	0.00	0.00	0.00
3-2-299-305 SEWER - PUMP REN - 44TH AVE & MAPLE V	0	300,000	-300,000	-100.00	0.00	0.00
3-2-299-307 SEWER - MARINA WWPS	45,000	45,000	0	0.00	0.00	0.00
3-2-299-999 TRANS OF TANGIBLE CAP ASSETS TO EQU	0	0	0	0.00	0.00	-238,718.00
Total SEWER - CAPITAL EXPENDITURES	2,963,000	6,561,134	-3,598,134	-54.84	428,016.59	417,216.96
Total EXPENDITURES	7,116,955	10,340,115	-3,223,160	-31.17	3,471,510.87	2,990,924.89
Total SEWER OPERATING FUND	0	0	0	0.00	-876,382.67	-39,807.75
Total Surplus (-)/Deficit	0	0	0	0.00	-876,382.67	-39,807.75

REPORT



Council

MEETING DATE: October 25, 2024

TO: Mayor and Council

CC: Rod Risling, CAO

FROM: Jim Zakall, Director of Financial Services

SUBJECT: **2024 Projects carried forward to 2025 for completion – Sewer Fund**

BACKGROUND

To report to Council on the projects being carried forward that were approved in 2024 under Financial Plan Bylaw 1386.01

OVERVIEW

The projects carried forward in the Sewer Fund are:

	Budget
WWTL Auxiliary Power	\$218,000 updated to \$219,000
Flood Works (Lift Station Electrical Raises	\$923,000
Magnolia Place Reconstruction	\$375,000
Marina WWPS	\$45,000

All noted projects can be found in the 2024 budget document. Carry forward balances will be adjusted by actual funds spent to date by December 31, 2024.

Project Description		Director	GL Number	Amount	Operating	GRANTS	BORROWING	RESERVES	D.C.C.'s	OTHER	TOTAL	Descriptions
Sewer												
WWTL - Auxilliary Power (2024 CF)			32299-020	219,000	0			206,298	12,702		219,000	
Lift Station Electrical Raises, Complete with Portable Kiosk (2024 CF)			32299-020	923,000	0	923,000					923,000	
Magnolia Place Reconstruction (2024 CF)			32299-201	368,000	0			368,000			368,000	
Marina WWPS (2024 CF)			32299-307	45,000	0			45,000			45,000	
Manhole Smart Covers			32299-206	75,000	75,000						75,000	
Piazza Lift Station Replacement			32299-204	694,000	252,736			441,264			694,000	
Quail Place Sanitary Sewer Reconstruction			32299-207	147,000	147,000						147,000	
Ponderosa Dr. Sanitary Sewer Upgrades			32299-208	492,000	0			492,000			492,000	
Total				2,963,000	474,736	923,000	0	1,552,562	12,702	0	2,963,000	
Available Funds				474,736								
Available funds for 2024 \$560,054												
Available funds for 2023 \$328,740												
Available funds for 2022 \$326,054												
Available funds for 2021 \$314,290												
Available funds for 2020 \$314,049												
Available funds for 2019 \$521,530												
Available funds for 2018 \$495,195												



Project: S2 – CCTV Program

Priority: Medium

Type: Information Collection

Trigger: Aging Infrastructure

Location

Various, throughout Town

Issue

Previous CCTV programs have outlined that there are certain areas throughout the Town where the condition of the sanitary collection gravity pipe is not as expected based on the expected service life.

Scope

It is recommended to develop a CCTV program that focuses on certain areas of the Town so that there can be a better understanding of the condition of the pipes installed. Specifically, there should be a focus on PVC installed between 1980 and 1995 as previous inspections have shown that the condition of pipes installed between these dates has generally been worse than anticipated.

Cost Estimate (Class B)

\$140,000



Project: S4 – Manhole Smart Covers

Priority: Medium

Type: Information Collection

Trigger: Aging Infrastructure

Location

Various, throughout Town

Issue

The PCSWMM desktop model used to develop the Sanitary Capital plan identified various locations throughout Town where surcharging in certain manholes is possible.

Scope

It is recommended that the Town purchase 1 Smart Cover, as well as install a weather station to gain information on the possibility of surcharging, as well as identifying areas where I&I greatly affects the sanitary flows.

Cost Estimate (Class B)

\$75,000



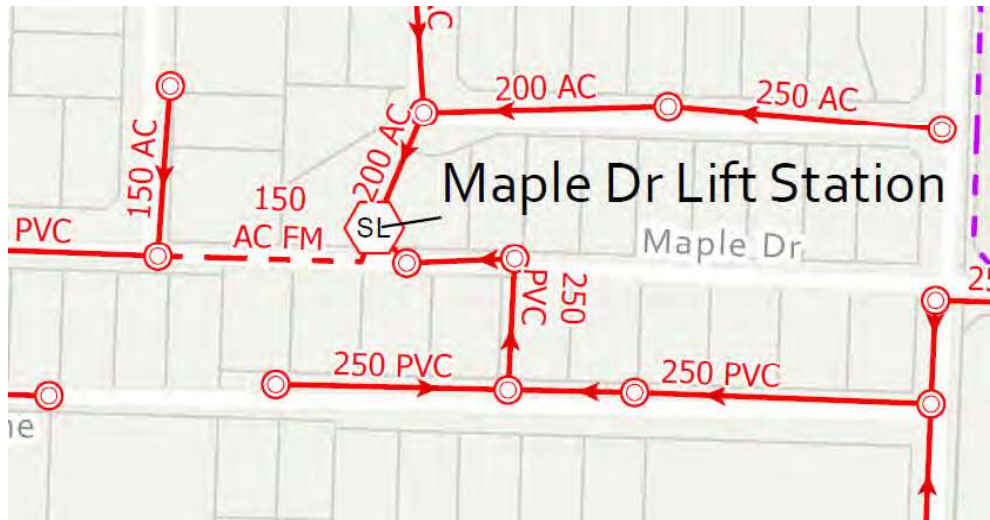
Project: S5 – Piazza (Maple) Lift Station Replacement

Priority: Medium

Type: Asset Replacement

Trigger: Aging Infrastructure

Location



Issue

The town has indicated that they would like to proceed with the replacement of the Piazza Lift Station.

Scope

This project includes a full replacement of the lift station. No predesign has been completed.

Cost Estimate (Class B)

\$695,000 - Budget from Town

Our File: 302-658
October 15, 2024

2025 Capital Plan

Project W13, S7 and R7: Quail Place Reconstruction to existing 6.5m width

Quail Place provides access to 20 residential lots and is 200m in length and has an average pavement width is 6.5m. The existing sanitary sewers and watermain are aging AC with the latter being undersized. Localized storm sewers exist yet the underground drywells are not performing as intended due to their age.

The conceptual project scope is illustrated on drawing 302-658-SK6 and outlined following:

- Replacement of gravel road structure
- 6.5m paved road surface c/w asphalt curb on east side
- Water system upsizing / replacements of aging AC pipe
- Sanitary sewer replacement of aging AC (pending CCTV results)
- Localized storm sewers consisting of catch basins and drywells

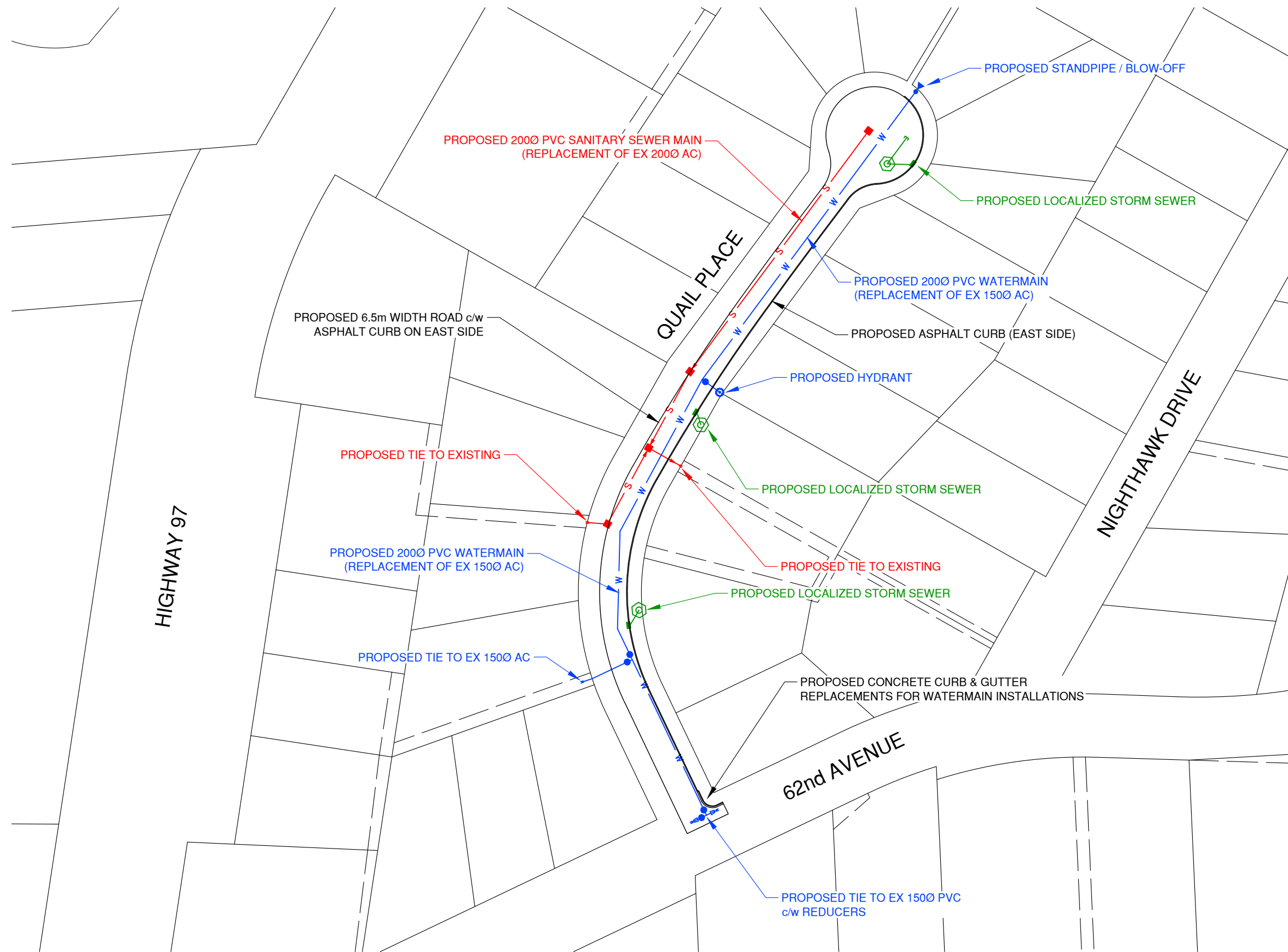
Capital cost estimate:

\$398,593 (Roads)

\$231,452 (Water)

\$146,328 (Sanitary)

\$776,373



TOWN OF OSOYOOS
QUAIL PLACE RECONSTRUCTION
TO EXISTING 6.5m WIDTH



DRAWN BY: TT
DATE: OCT 2024

DESIGN BY: TT
SCALE: 1:1000
DWG NO.:
SK6
302-658
17
REV:

FILE: \\clients\300-399\302\302-658\03 drawings\02 design drawings\01-302-658-roads.dwg

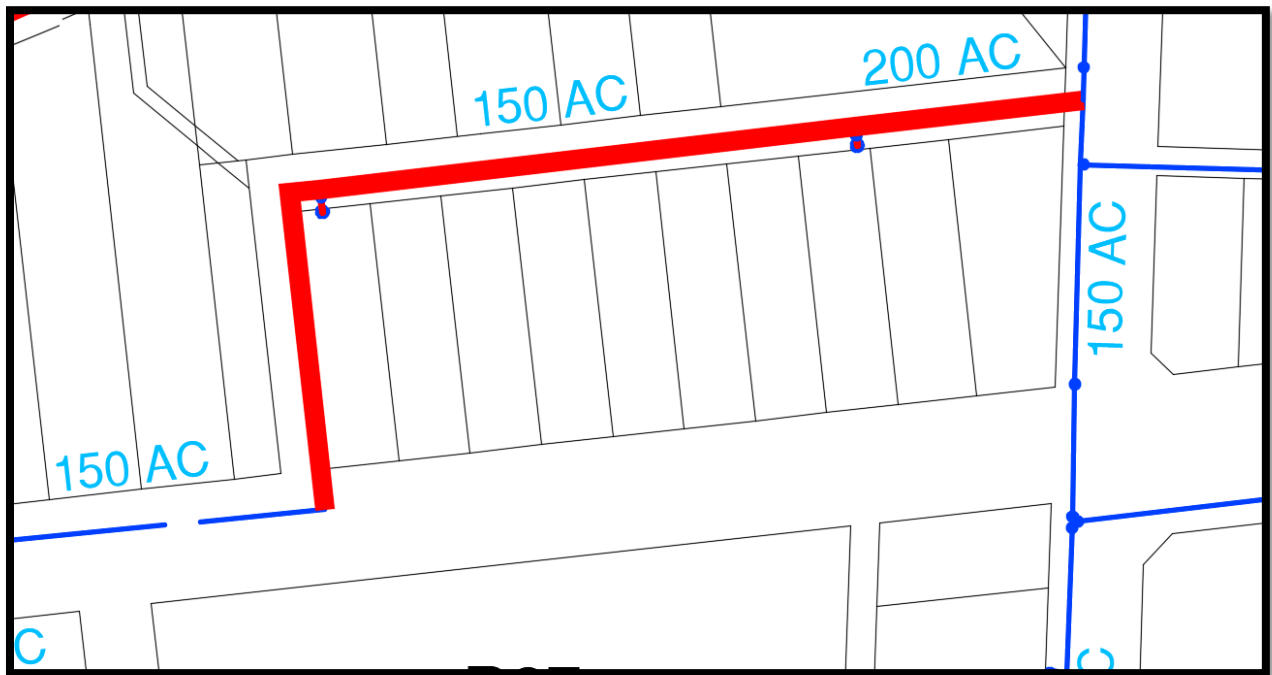
Project W7 and S8: Ponderosa Dr. Sanitary Upgrades and Watermain Replacement

Priority: High

Type: Replacement

Trigger: Asset Management

Location Map



Ponderosa drive is a low volume local road that runs between Highway No.3 and Cottonwood drive to service 17 properties. This segment is 235m in length and averages 5.5m in width.

Sanitary sewers in this section have been a location that required frequent maintenance. Through field investigation, it has been discovered that the sanitary sewer has been constructed with reverse slope for the majority of the segment. It is recommended that this sewer segment be replaced as soon as practical. Surface replacements for this are being done as trench repair (i.e. not full road asphalt surface).

In the best interest of construction practice, the water system should be replaced concurrently followed by full road base gravels and asphalt replacement. The attached capital estimate considers cost beyond the replacements for the sanitary sewer.

The project scope is defined on drawing 797-321-SK1 following:

- Replacement of +/-1180 sq. m of asphalt c/w boulevard restoration
- Water system upsizing / replacements of aging AC piping

Water Cost Estimate (Class D)

DESCRIPTION	TOTAL PAYMENT
Part 1.0 - Removals	\$19,800.00
Part 2.0 - Water System	\$177,860.00
Part 3.0 - Roadworks	\$104,700.00
Subtotal Parts 1.0 – 3.0	\$302,360.00
Contingency & Engineering (30%)	\$90,708.00
Total Contract Sum	\$393,068.00

Sanitary Cost Estimate (Class D)

DESCRIPTION	TOTAL PAYMENT
Part 1.0 - Removals	\$54,230.00
Part 2.0 – Sanitary System	\$229,200.00
Part 3.0 - Roadworks	\$109,400.00
Subtotal Parts 1.0 – 3.0	\$392,830.00
Contingency & Engineering (25%)	\$98,207.50
Total Contract Sum	\$491,037.50



**340 RESERVOIR SANITARY SEWER
PONDEROSA DR. WATER UPGRADES**

DESIGN BY: TT	
SCALE: 1:500	
DWG NO.:	REV:
SK1	
797-321	20
DRAWN BY: TT	
DATE: SEPT 2024	

FILE: Clients\700-799\97-321\03 drawings\02 design drawings\01-797-321 sanitary mains.dwg



Our File: 302-2041
October 1, 2024

2026 Capital Plan

Project W19, S9, and R8 Harbour Key Drive Reconstruction and Sanitary Sewer CIPP Lining

This section of Harbour Key Drive represents a length of 560m, has an average pavement width of 7.2m and is subject to flooding. The existing pavement surface has extensive cracking and failures of all types suggesting base gravels are deficient. The complete lack of any storm sewer collection is a large contributing factor. CCTV inspections of the existing sanitary sewer system, completed in the fall of 2022, indicate the AC mainlines installed in the late 1960's are beyond their life expectancy. All existing sanitary sewers were found to be sagging, have extreme surface spalling, and contain tension/compression cracking, and be leaking through joints.

Detailed design was completed to 90% during the winter of 2022 which entailed:

- Replacement of gravel road structure and asphalt surface to 7m width
- Water system upsizing / replacements of aging AC pipe
- Localized sanitary sewer repairs followed by CIPP lining of 690m of mainline
- Localized storm sewer catch basins and drywells
- Erosion protection at the eastern end consisting of filter fabric and angular rip-rap

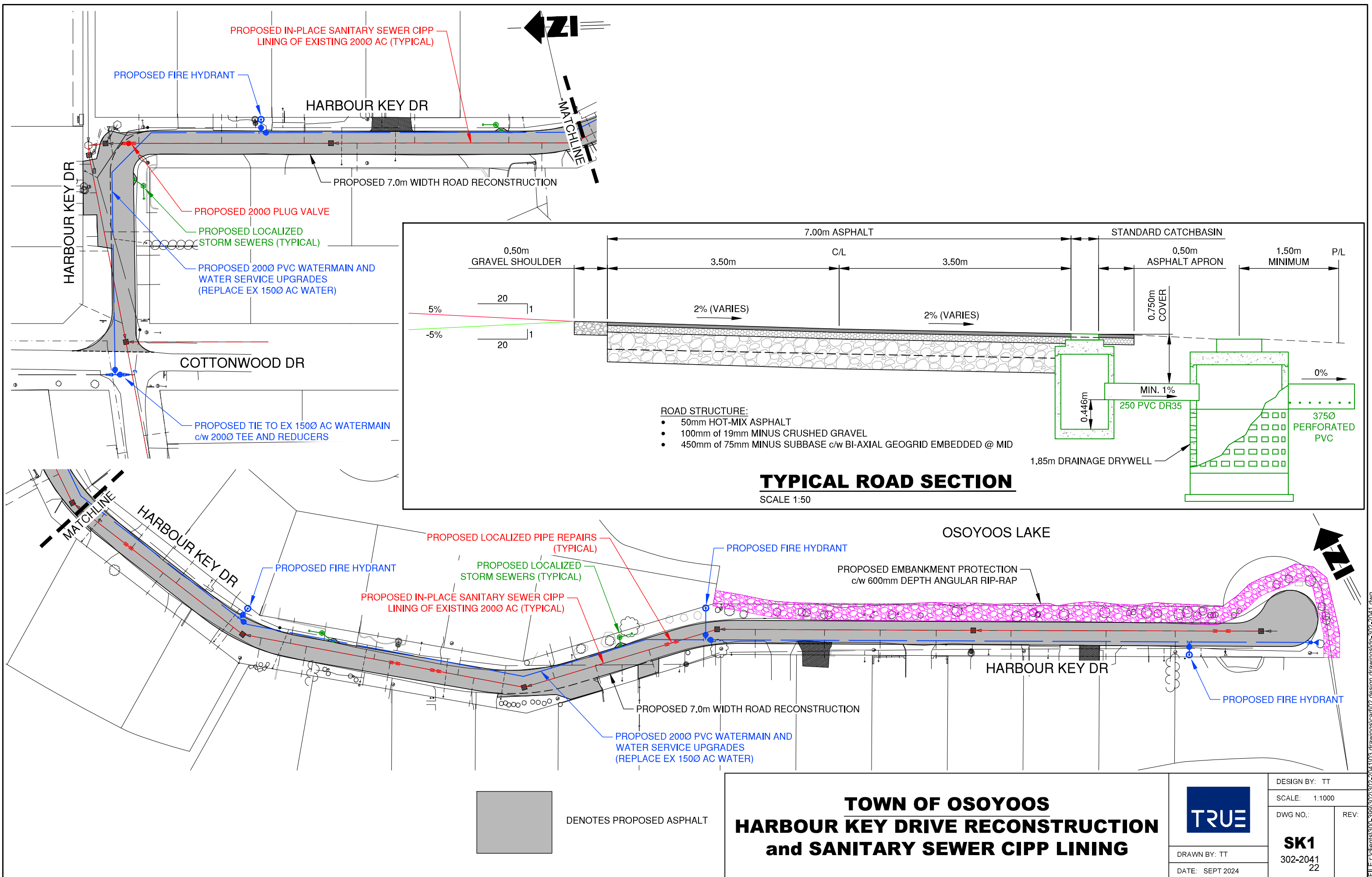
Capital cost estimate:

\$1,200,072 (Roads)

\$564,519 (Sanitary)

\$477,490 (Water)

\$2,242,081





Project S10: WWTP Auxiliary Power

Priority: Medium

Type: Growth

Trigger: Emergency Preparedness

Location



Issue

There is currently no backup power at the WWTP. In the event of a power outage, the treatment is inoperable and may result in treatment complications.

Scope

Install a sufficiently large generator to provide adequate power to the WWTP in the event of a power outage.

Cost Estimate (Class B)

\$ 219,000



Project: S11 – WWTP Preliminary Design and Planning

Priority: Medium

Type: Study

Trigger: Expansion

Location



Issue

Treatment upgrades will be required at the WWTP as growth proceeds. Permitting and treatment upgrades will be required, therefore the purpose of this project is to start the upgrading process.

Scope

Prior to detailed design and process selection, it is recommended that a full study and design options analysis be completed. This will include options for air piping, process upgrades, and any required cell upgrades.

Cost Estimate (Class B)

\$250,000



Project: S12 – 89th Street Relining 74th Street to 70th Street

Priority: Medium

Type: Rehabilitation

Trigger: Aging Infrastructure

Location



Issue

The collector trunk on 89th street is near the end of its service life and should be lined to prevent a complete failure.

Scope

The existing sanitary main on 89th street from 74th Avenue to the Main Wastewater Pumping Station should be relined. The first section of this project will be to 70th Street. This project is split to coincide with roadworks and waterworks projects. It is recommended that this work be completed simultaneously with Projects W21 and R10.

Cost Estimate (Class B)

\$258,000



Project: S13 – 89th Street Relining 70th Street to Main Lift Station

Priority: Medium

Type: Rehabilitation

Trigger: Aging Infrastructure

Location



Issue

The collector trunk on 89th street is near the end of its service life and should be lined to prevent a complete failure.

Scope

The existing sanitary main on 89th street from 74th Avenue to the Main Wastewater Pumping Station should be relined. The second part of this project will be from 70th Street to the Main Lift Station. It is recommended that this work be completed simultaneously with Projects W22 and R11.

Cost Estimate (Class B)

\$705,000



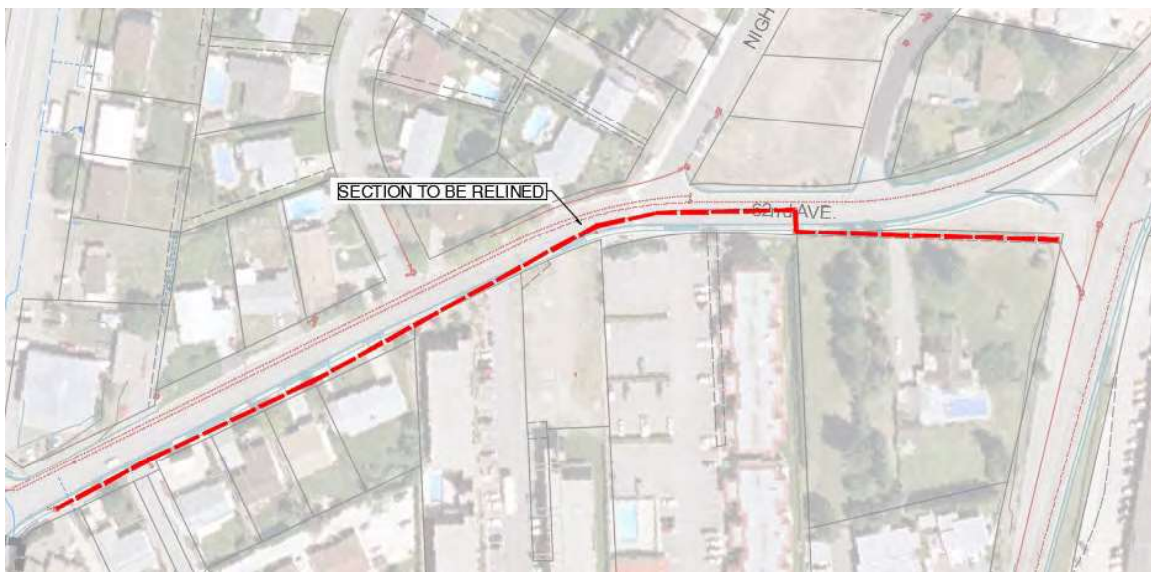
Project: S14 – 62nd Avenue Relining

Priority: Medium

Type: Rehabilitation

Trigger: Aging Infrastructure

Location



Issue

The collector trunk on 62nd Avenue is beyond the end of its service life and should be lined to prevent a complete failure.

Scope

This project includes relining the existing sanitary main that follows 62nd Avenue from Highway 97 along Osprey place.

Cost Estimate (Class B)

\$460,000



Project: S15 – SCADA System Upgrades

Priority: Medium

Type: Information Collection

Trigger: Operations and Maintenance

Location

All Lift Stations

Issue

Various lift stations throughout the sanitary collection network are not currently connected to the SCADA system and logging relevant data. It is recommended to review all lift stations and connect any instrumentation that should be connected. These include: pump on/off, pump run times, flow meters, and level sensors.

Scope

It is recommended to review all lift stations and upgrade/connect any instrumentation that should be connected and providing relevant information. Such information includes pump on/off status, pump run times, flow meters, and level sensors. A full scope can be provided if the Town wishes to reach out to its electrical consultant.

Cost Estimate (Class B)

\$363,000



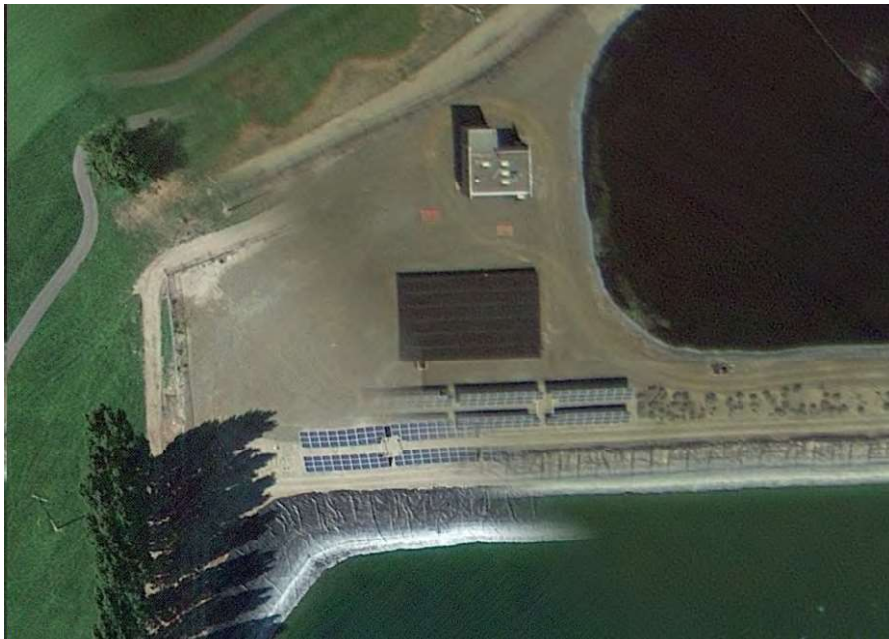
Project: S16 – Chlorine Contact Tank Recirculation

Priority: Medium

Type: Upgrade

Trigger: Process Improvements

Location



Issue

As reclaimed WW flows increase, there is insufficient CT in the current contact chamber prior to flowing to the storage basins.

Scope

Expansion and/or recirculation will be needed on the reclaimed WW contact chamber to ensure that the proper CT is being achieved.

Cost Estimate (Class B)

\$370,000



Project: S17 – Gala Lift Station Replacement

Priority: Medium

Type: Asset Replacement

Trigger: Aging Infrastructure

Location



Issue

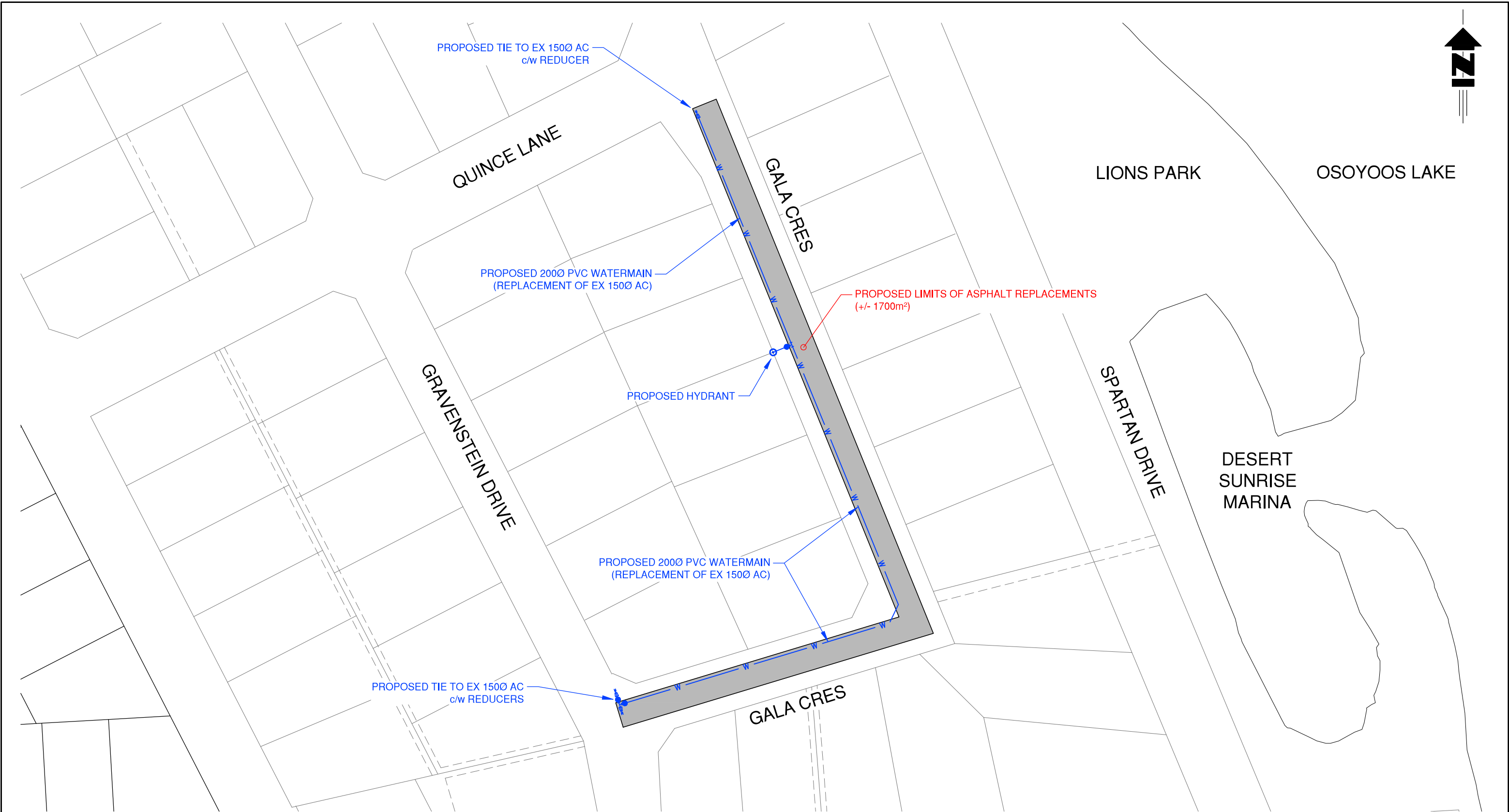
The existing lift station at this location is due for replacement.

Scope

This project involves a full replacement of the existing lift station with a fiberglass reinforced lift station.

Cost Estimate (Class B)

\$560,000



TOWN OF OSOYOOS
GALA CRESCENT RESURFACING



DRAWN BY: TT
DATE: SEPT 2024

DESIGN BY: TT	
SCALE: 1:1000	
DWG NO.:	REV:
SK4	
302-658	
31	

FILE: \\clients\300-399\302\302-658\03 drawings\dwg\302-658-roads.dwg

**Town of Osoyoos
5 Year Capital/Project Plan
For the years 2025-2029**

25-Nov-24

Sewer

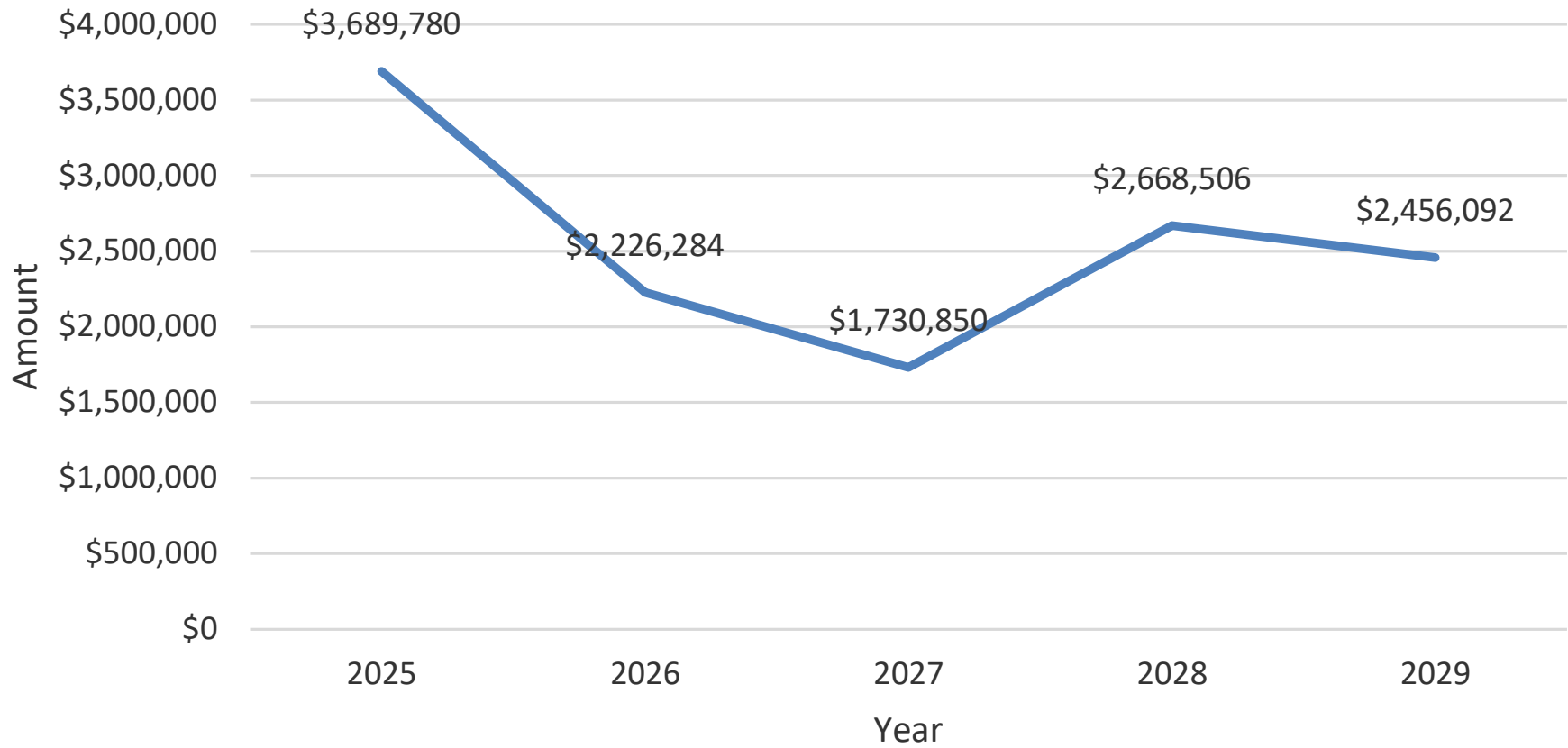
Director Responsible for Report			2025	2026	2027	2028	2029	
		WWTL Auxiliary Power	219,000					5.8% DCC/\$206,298Reserves
	S1	Lift Station Electrical Raises, Complete with Portable Kiosk	923,000					Grant
	S3	Magnolia Place Reconstruction	368,000					Reserves
	S6	Marina WWPS	45,000					Reserves
	S4	Manhole Smart Covers	75,000					Operating
	S5	Piazza Lift Station Replacement	694,000					\$252,736Operating/\$441,264Reserves
	S7	Quail Place Sanitary Sewer Reconstruction	147,000					Operating
	S8	Ponderosa Dr. Sanitary Sewer Upgrades	492,000					Reserves
	S9	Harbour Key CIPP Sanitary Sewer Lining		565,000				Reserves
	S11	WWTP Upgrade Preliminary Design & Planning		250,000				5.8% DCC/\$235,500Operating
	S12	89th St Relining - Part B		258,000				\$146,808Operating/\$111,192Reserves
	S13	89th St Relining - Part C		705,000				Reserves
	S14	62nd Avenue Relining		460,000				Reserves
	S15	SCADA System Upgrades		363,000				Reserves
	S16	Chlorine Contact Tank Recirculation		370,000				\$206,298Operating/\$163,702Reserves
	S17	Gala Lift Station Replacement		720,000				Reserves
	S18	Cottonwood Drive Trunk Main Upsizing			951,000			Reserves
	S19	Starlite Lift Station Pump Capacity Increase			300,000			5.8% DCC/\$282,600Operating
	S20	44th Ave WWPS			300,000			Operating
	S21	89th St Foreshore Relining			400,000			\$131,166Operating/\$268,834Reserves
	S22	Oleander Dr Foreshore Relining			900,000			Reserves
	S23	Maple Trunk Main Upsize				808,000		OIB
	S24	Reclaimed Wastewater Storage and Irrigation Study				109,000		5.8% DCC/\$102,678Operating
	S25	Master Plan Review				45,000		15% DCC/\$38,250Operating
	S26	WWTP Desludging				800,000		\$699,328Operating/\$100,672Reserves
	S27	Forcemain Odor Reduction				370,000		Reserves
	S28	Border & Cottonwood WWPS				216,000		Reserves
	S29	Forcemain Upgrades near WWTL					300,000	30% DCC/\$210,000Operating
	S30	Air Piping Upgrades - WWTL					1,500,000	\$763,086Operating/\$736,914Reserves
	S31	Kingfisher Foreshore Relining					1,100,000	Reserves
		Totals	2,963,000	3,691,000	2,851,000	2,348,000	2,900,000	

Source of funding

	Amount	Operating	GRANTS	BORROWING	RESERVES	DCC	OTHER	TOTAL
2025	2,963,000	474,736	923,000		1,552,562	12,702		2,963,000
2026	3,691,000	588,606			3,087,896	14,498		3,691,000
2027	2,851,000	713,766			2,119,834	17,400		2,851,000
2028	2,348,000	840,256			686,744	13,000	808,000	2,348,000
2029	2,900,000	973,086			1,836,914	90,000		2,900,000
Totals	14,753,000	3,590,450	923,000	0	9,283,950	147,600	808,000	14,753,000

Projects Carried forward

Sewer Reserves



Reserve Balances 25-Nov-24

Account Number	Description	2023 Yearend	2024 Contributions	2024 Transfers	Balance Remaining	2025	2026	2027	2028	2029
Sewer Fund										
44478000	Res. - Sewer Capital Projects	1,371,442.77	0.00	0.00	1,371,442.77	1,371,443	25,179	25,179	25,179	25,179
	Contributions					0	0	0	0	0
	Transfers					-1,346,264		0	0	0
	Balance					25,179	25,179	25,179	25,179	25,179
44478002	Sewer Sustainability Fund	231,300.00	1,323,300.00	0.00	1,554,600.00	1,554,600	2,742,702	1,049,206	323,772	1,031,428
	Contributions (Asset Management Plan)					1,394,400	1,394,400	1,394,400	1,394,400	1,394,400
	Transfers					-206,298	-3,087,896	-2,119,834	-686,744	-1,836,814
	Balance					2,742,702	1,049,206	323,772	1,031,428	589,014
44478003	Res. - Sewer - PSAB	0.00	100,000.00	0.00	100,000.00	100,000	200,000	300,000	400,000	500,000
	Contributions					100,000	100,000	100,000	100,000	100,000
	Transfers					0	0	0	0	0
	Balance					200,000	300,000	400,000	500,000	600,000
44478004	Res. - Sewer - Capital Contingency	0.00	100,000.00	0.00	100,000.00	100,000	200,000	300,000	400,000	500,000
	Contributions					100,000	100,000	100,000	100,000	100,000
	Transfers					0	0	0	0	0
	Balance					200,000	300,000	400,000	500,000	600,000
44478005	Reserve - Fleet	0.00	0.00	0.00	0.00	0	30,000	60,000	90,000	120,000
	Contributions					30,000	30,000	30,000	30,000	30,000
	Transfers					0	0	0	0	0
	Balance					30,000	60,000	90,000	120,000	150,000
34495000	Prior Year Surplus (cash)	1,058,810.00	0.00	566,911.00	491,899.00	491,899	491,899	491,899	491,899	491,899
	Contributions					0	0	0	0	0
	Transfers									
	Balance					491,899	491,899	491,899	491,899	491,899
Total		2,661,552.77	1,523,300.00	566,911.00	3,417,941.77	3,689,780	2,226,284	1,730,850	2,668,506	2,456,092

Development Cost Charges **November 25, 2024**

Date	Description	Receipt #	Sewer
1-Jan-24	Balance Forward		381,744.20
10-Apr-24		163471	43,600.00
19-Apr-24		163534	6,540.00
18-Jun-24		165091	19,620.00
31-Dec-24	Interest	JV's	16,880.98
	2024 Expenditures		0.00
		Totals	468,385.18
			34485-005

Bank GL #

33311-001

Equity GL #

34485-005

Budgeted Expenditures	2025	12,702
	2026	14,498
	2027	17,400
	2028	13,000
	2029	90,000
		<u>147,600</u>

2025 Sewer User Rate changes

Rate Code	Description	2024 Rate	Units	Sewer 31134-000	Rural Sewer 31134-001	Increase Sewer User Rates 6.63%	Adjusted Total Sewer 31134-000	Increase Rural Sewer User Rates 5.83%	Adjusted Total Rural Sewer 31134-001	Quarterly Rates
Utility Billing										
S01	Rural Sewer - Single Family Dwelling	771.40	126.00		97,196.40			816.38	102,863.88	204.1
	New Construction	771.40	3.00		2,314.20			816.38	2,449.14	204.1
S02	Rural Sewer - Rooming House/Hotels/Motels	591.68	10.00		5,916.80			626.18	6,261.80	156.55
S03	Rural Sewer - Light Industrial	771.40	1.00		771.40			816.38	816.38	204.1
Town Property Tax										
S01	Sewer Usage	678.40	4106	2,785,510.40		723.38	2,970,198.28			180.85
S03	Sewer Usage	678.40	41	27,814.40		723.38	29,658.58			180.85
S04	Sewer Usage - Rest. - Basic	2,262.35	30	67,870.50		2,412.34	72,370.20			603.09
S05	Sewer Usage - Rest. - Additional	1,212.76	35	42,446.60		1,293.17	45,260.95			323.29
S06	Sewer Usage - per Unit/Site	454.37	808	367,130.96		484.49	391,467.92			121.12
S07	Sewer Usage - Campground - RV Site	393.58	339	133,423.62		419.67	142,268.13			104.92
S08	Sewer Usage	1,286.37	13	16,722.81		1,371.66	17,831.58			342.92
S09	Sewer Usage	1,891.16	1	1,891.16		2,016.54	2,016.54			504.14
S11	Sewer Usage	2,643.12	3	7,929.36		2,818.36	8,455.08			704.59
S12	Sewer Usage - Laundramat	268.79	15	4,031.85		286.61	4,299.15			71.65
S13	Sewer Usage - Sun Bowl	4,678.24	1	4,678.24		4,988.41	4,988.41			1247.1
S14	Sewer Usage	1,891.16	1	1,891.16		2,016.54	2,016.54			504.14
S15	Sewer Usage - Car Wash - Bay (metered)	2,643.12		7,929.39		2,818.36	8,455.11			704.59
Accounts Receivable										
	FGIL - Canada Post	2,643.12	1	2,643.12		2,818.36	2,818.36			704.59
	FGIL - RCMP	2,643.12	1	2,643.12		2,818.36	2,818.36			704.59
	Osoyoos Duty Free	678.40	1	678.40		723.38	723.38			180.85
	Osoyoos Seniors	1,286.37	1	1,286.37		1,371.66	1,371.66			342.92
	Osoyoos Health Centre AP_VEN_INVOICES@INTERIORHEALTH.CA	2,643.12	1	2,643.12		2,818.36	2,818.36			704.59
	School District 53	1,244.75	22	27,384.50		1,327.28	29,200.16			331.82
	Desert Park Exhibition Society	393.58	11	4,329.38		419.67	4,616.37			104.92
	Nk'Mip Management Services	678.40	15	10,176.00		723.38	10,850.70			180.85
	Pegasys Financial Services	678.40	38	25,779.20		723.38	27,488.44			180.85
	Osoyoos Lake Sailing Club	678.40	1	678.40		723.38	723.38			180.85
	Nk'Mip Campground & RV Park - Rec Veh Sites	393.58	405	159,399.90		419.67	169,966.35			104.92
	Nk'Mip Cellars - Winery	678.40	1	678.40		723.38	723.38			180.85
	Sonora Dunes	678.40	2	1,356.80		723.38	1,446.76			180.85
	Spirit Ridge Vineyard Resort & Spa - Villas (phase 1)	678.40	30	20,352.00		723.38	21,701.40			180.85
	Spirit Ridge Vineyard Resort & Spa - Apt (phase 1)	678.40	64	43,417.60		723.38	46,296.32			180.85
	Spirit Ridge Vineyard Resort & Spa - Comm (phase 1)	678.40	6	4,070.40		723.38	4,340.28			180.85
	Spirit Ridge Vineyard Resort & Spa - Building 1 (phase 2)	678.40	5	3,392.00		723.38	3,616.90			180.85
	Spirit Ridge Vineyard Resort & Spa - Building 2 (phase 2)	678.40	19	12,889.60		723.38	13,744.22			180.85
	Spirit Ridge Vineyard Resort & Spa - Building 3 (phase 2)	678.40	35	23,744.00		723.38	25,318.30			180.85
	Spirit Ridge Vineyard Resort & Spa - Building 4 (phase 2)	678.40	25.5	17,299.20		723.38	18,446.19			180.85
	Spirit Ridge Vineyard Resort & Spa - Building 5 (phase 2)	678.40	17	11,532.80		723.38	12,297.46			180.85
	Spirit Ridge Vineyard Resort & Spa - Conference Centre	678.40	4	2,713.60		723.38	2,893.52			180.85
	Spirit Ridge - Phase 3 (bill "RESI010")	678.40	42	28,492.80		723.38	30,381.96			180.85
	Nk'Mip Gas and Convenience Store	1,286.37	1	1,286.37		1,371.66	1,371.66			342.92
	OIB Indigenous Bloom	678.40	1	678.40		723.38	723.38			180.85
	Nk'Mip Desert and Heritage Centre	678.40	8	5,427.20		723.38	5,787.04			180.85
	Osoyoos Employee Housing	678.40	24	16,281.60		723.38	17,361.12			180.85
	New Construction (partial year billings)	678.40				723.38	9,393.52			180.85
				3,900,524.73	106,198.80		4,168,525.40		112,391.20	
	Rounding			3,901,000.00	106,200.00		4,168,600.00		112,400.00	
Increase to Sewer Revenue							267,600.00		6,200.00	