



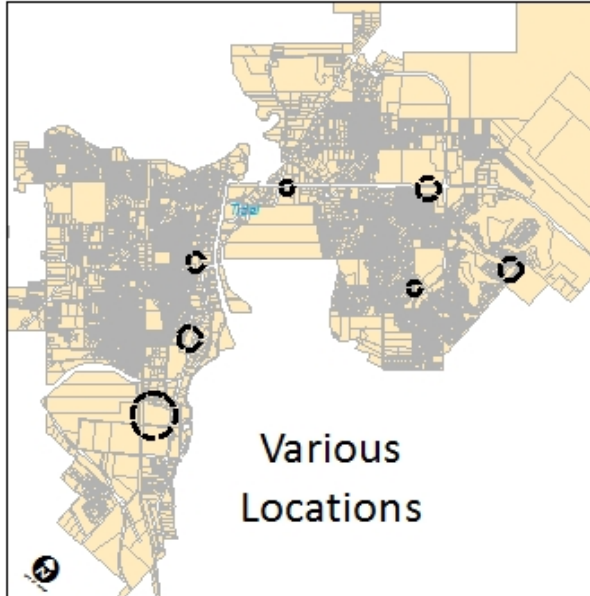
City of Courtenay

2020 Water Capital Projects

Project # 1

Project Lead: ENG

WATER – CITY WATERMAIN ON PRIVATE PROPERTY



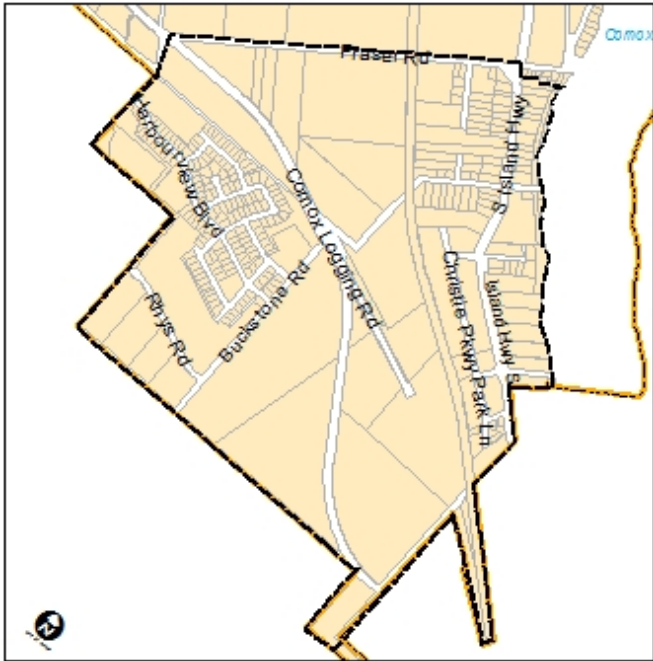
Project Description:

- IDENTIFIED IN WATER MASTER PLAN
- RISK OF CONTAMINATION
- RISK OF LIABILITY
- RISK OF NO MAINTENANCE/OPERATION ACCESS
- FIVE YEAR PROGRAM TO CORRECT
- 2020 – ESTABLISH PLAN AND INITIATE REPAIRS
- 2021- 2024 – RENEWAL OR ABANDON MAINS

Project Budget

Year	Approved Budget	Total Spent	Carry Forward	Requested Budget	Total Budget
2020				70,000	70,000
2021				140,000	140,000
2022				140,000	140,000
2023				140,000	140,000
2024				140,000	140,000
					\$630,000

WATER – SOUTH COURTENAY SECONDARY TRANSMISSION



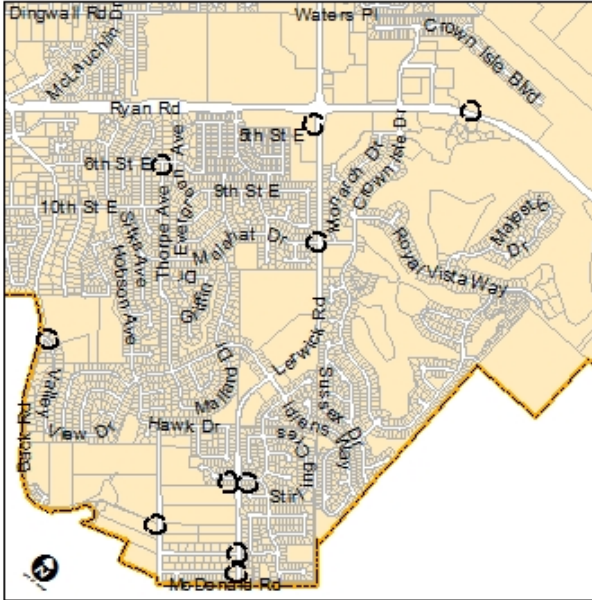
Project Description:

- **NEED FOR SECONDARY FEED TO CORRECT FIREFLOW DEFICIENCIES**
- **IDENTIFIED AS A TOP PRIORITY IN WATER MASTER PLAN**
- **CITY STAFF WORKING IN CONSULTATION WITH CVRD**
- **2020 – CARRY OVER 2019 FUNDS**
- **2021 – DETAILED DESIGN**
- **2022 - CONSTRUCTION**

Project Budget

Year	Approved Budget	Total Spent	Carry Forward	Requested Budget	Total Budget
2019	100,000	16,400 (estimate)			
2020			83,600		
2021				250,000	250,000
2022				3,500,000	3,500,000
					\$3,850,000

WATER – CITY CROSS CONNECTION CONTROL PROGRAM – TRANSMISSION/DISTRIBUTION METERING



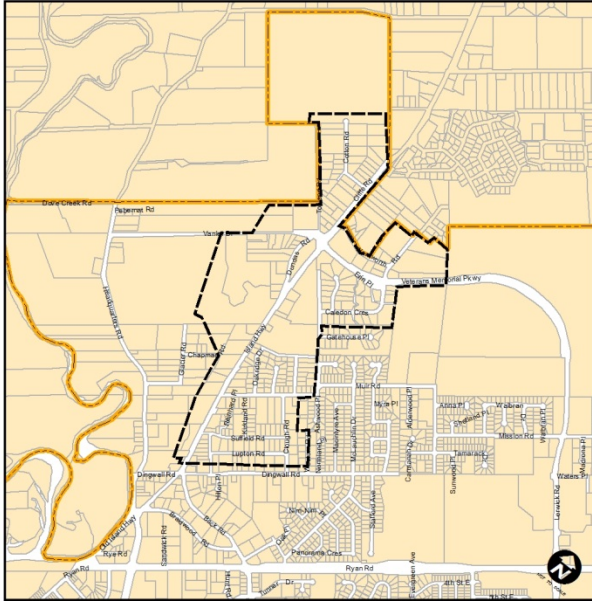
Project Description:

- IDENTIFIED IN WATER MASTER PLAN
- REQUIREMENT OF CROSS CONNECTION CONTROL PROGRAM (OPERATING PERMIT)
- IDENTIFIED IN THE WATERSMART ACTION PLAN
- CRITICAL FOR LEAK DETECTION (ZONE METERING)
- INSTALL METERS AND BACKFLOW DEVICES IN STRATEGIC LOCATIONS TO MITIGATE LEAK LOSS AND PROTECT DISTRIBUTION SYSTEM

Project Budget

Year	Approved Budget	Total Spent	Carry Forward	Requested Budget	Total Budget
2020				250,000	250,000
2021				100,000	100,000
					\$350,000

WATER – SANDWICK AREA FIREFLOW ANALYSIS



Project Description:

- IDENTIFIED IN WATER MASTER PLAN
- INCREASE HYDRANT SPACING TO CITY SPECIFICATIONS
- REDUCE LIABILITY
- RESULT OF SANDWICK WATER DISTRICT INTEGRATION INTO CITY SYSTEM (2019)
- 2020 – DEVELOP PLAN
- 2021 – REPLACEMENT OF UNDERSIZED WATER MAINS



Project Budget

Year	Approved Budget	Total Spent	Carry Forward	Requested Budget	Total Budget
2020				25,000	25,000
2021				500,000	500,000
					\$525,000

Project # 5

Project Lead: ENG

WATER – BRAIDWOOD RD – ROAD & UTILITY – WATER COMPONENT – DESIGN



Project Description:

- REPLACE 150mm ASBESTOS CEMENT PIPE WITH PVC PIPE – SIZE TO BE DETERMINED SUITABLE FOR FUTURE DEMAND
- PROJECT PLACED ON HOLD IN 2019 PENDING WATER MASTER PLAN UPDATES
- CARRY FORWARD 2019 PROJECT
- WATER DESIGN ONLY



Project Budget

Year	Approved Budget	Total Spent	Carry Forward	Requested Budget	Total Budget
2019	35,800	4,800 (estimate)			
2020			31,000		31,000
2021					
2022					
2023				500,000	500,000
					\$531,000

Project # 6

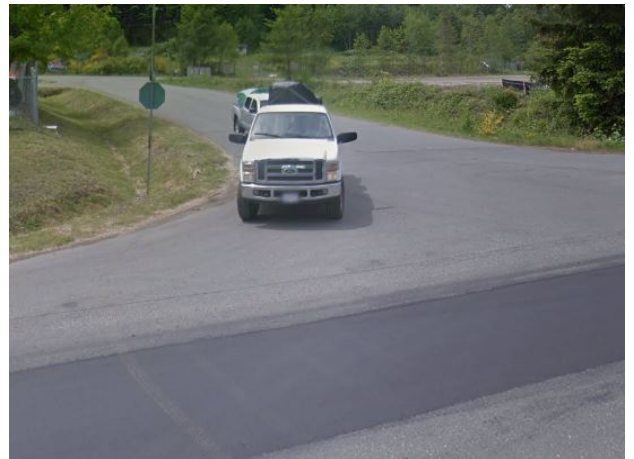
Project Lead: TBD

WATER – HWY 19A LOOP - CHRISTIE PKWY



Project Description:

- NEW WATERMAIN CROSSING OF HWY 19A SOUTH AT CHRISTIE PARKWAY
- CONNECTION OF CHRISTIE PARKWAY TO PARK LANE
- COMPLETE LOOP FOR FIREFLOWS



Project Budget

Year	Approved Budget	Total Spent	Carry Forward	Requested Budget	Total Budget
2020				100,000	\$100,000



Capital Program
Water & Sanitary Utilities
2020

Water and Sanitary Capital Projects

- Sanitary Capital Projects
- Water Capital Projects

