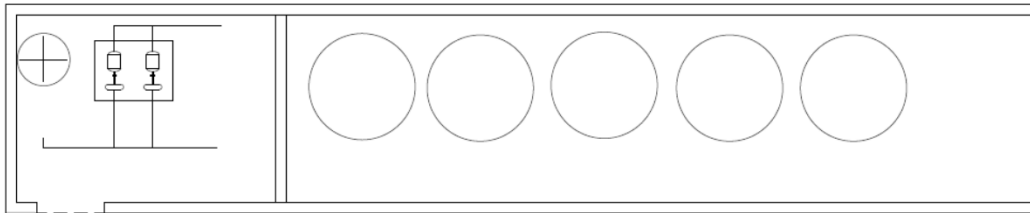


# Willow Ridge – Option 3

- **Additional Water Storage in a Sea-Container structure**
  - **3X existing storage volume, approx, spread over several tanks.**
  - **Spare storage capacity allow maintenance of tanks**
  - **Piping ran in insulated between existing building and new storage tank above ground instead of buried**

**NOTES:**

1. EFFECTIVE VOLUME (5 X 2500 L X 80% FULL): 10000 L
2. DESIGN CHLORINE RESIDUAL: 0.5 mg/mL
3. ASSUMED T10/T: 0.5
4. EXISTING PUMP CAPACITY: 230 L/min
5. CALCULATED CTactual: 10.9 mg/L min
6. CTrequired: 10 mg/L min
7. SEPARATION WALL PROVIDED BETWEEN PUMP SPACE AND TANK STORAGE AREA TO REDUCE ODOUR AND MOISTURE ACCUMULATION AROUND PUMPS AND ELECTRICAL EQUIPMENT



**PROPOSED FLOOR PLAN**

# Willow Ridge – Option 3

**CONCEPTUAL CONSTRUCTION COST ESTIMATE**

**PROJECT:** Birchwood Country Condo

**Willow Ridge - Option 3**

**Revision:** 0

**Date:** 09-Apr-19

Item	Description		
		Subtotal	TOTAL
1.0	General Requirements		45,000
2.0	Structural / Architectural		30,000
3.0	Process Piping and Pumps		145,000
4.0	Civil		32,500
5.0	Electrical		40,000
6.0	Instrumentation		35,000
7.0	Cash Allowances		12,500
<b>A</b>	<b>SUBTOTAL (2019)</b>		<b>340,000</b>
<b>B</b>	<b>Contingency (30%)</b>		<b>100,000</b>
<b>C</b>	<b>Project Total (GST excluded)</b>		<b>440,000</b>