

TABLE 1 - RAINWATER MANAGEMENT DESIGN SUMMARY

SITE AREA	960 FOUL BAY
IMPERVIOUS AREA	3611m <sup>2</sup>
BYLAW REQ'D STORAGE	2242m <sup>3</sup>
STORMTECH SC-310 CHAMBER STORAGE PER UNIT	17.2m <sup>3</sup>
NUMBER OF SC-310 UNITS PROVIDED	0.87m <sup>3</sup>
PROVIDED STORAGE	20 UNITS
	17.4m <sup>3</sup>

ASSUMING 40% VOIDS IN THE GRANULAR MATERIAL AND 200mm FOUNDATION STONE

PROPOSED DEVELOPMENT SEWAGE FLOW CALCULATIONS:

- DATA AND NOTES:
- SITE AREA: 3,323 m<sup>2</sup>
  - I&I CONSTANT [L/ha/day]: 25,000
  - COMMERCIAL RETAIL FLOW [L/day/m<sup>2</sup>]: 5.00
  - FLOW/DAY/CAP CONSTANT [L]: 225.00

TOTAL CAPITA:

UNIT TYPE	UNIT QUANTITY	CAP/UNIT	CAPITA
2-BEDROOM	8	1.8	14
3-BEDROOM	16	2.8	45

TOTAL CAPITA: 59

TOTAL FLOW CALCULATIONS:

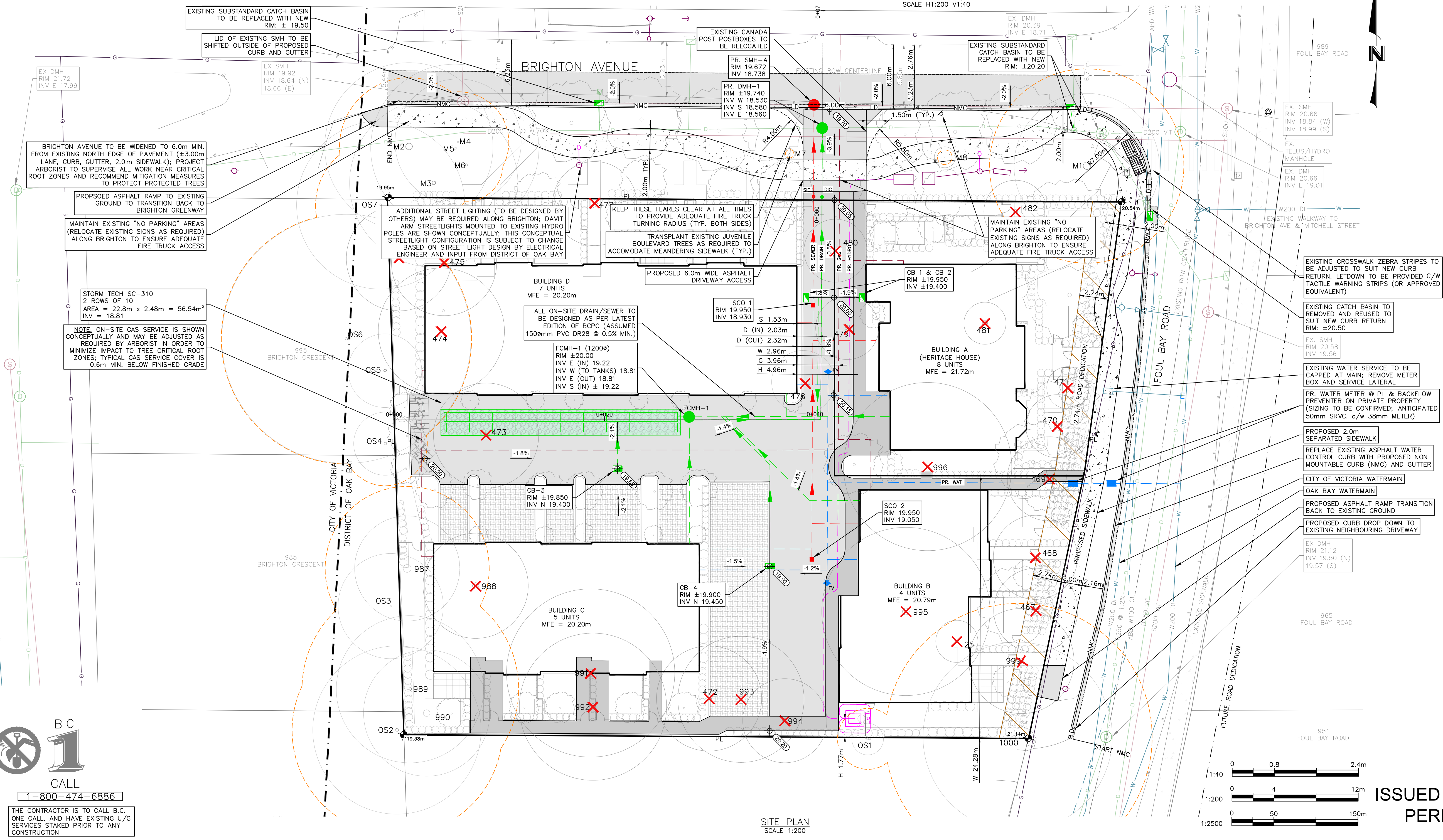
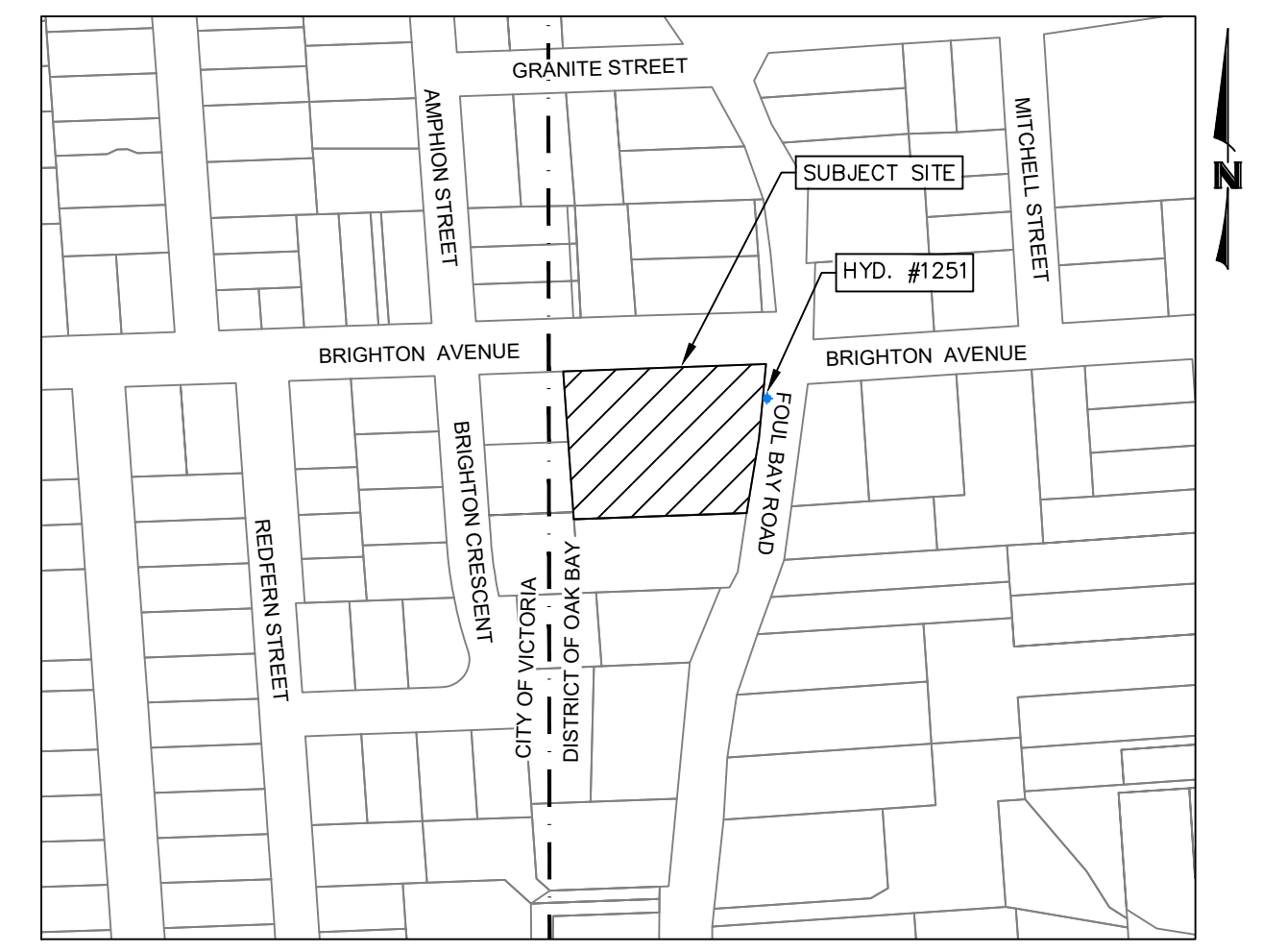
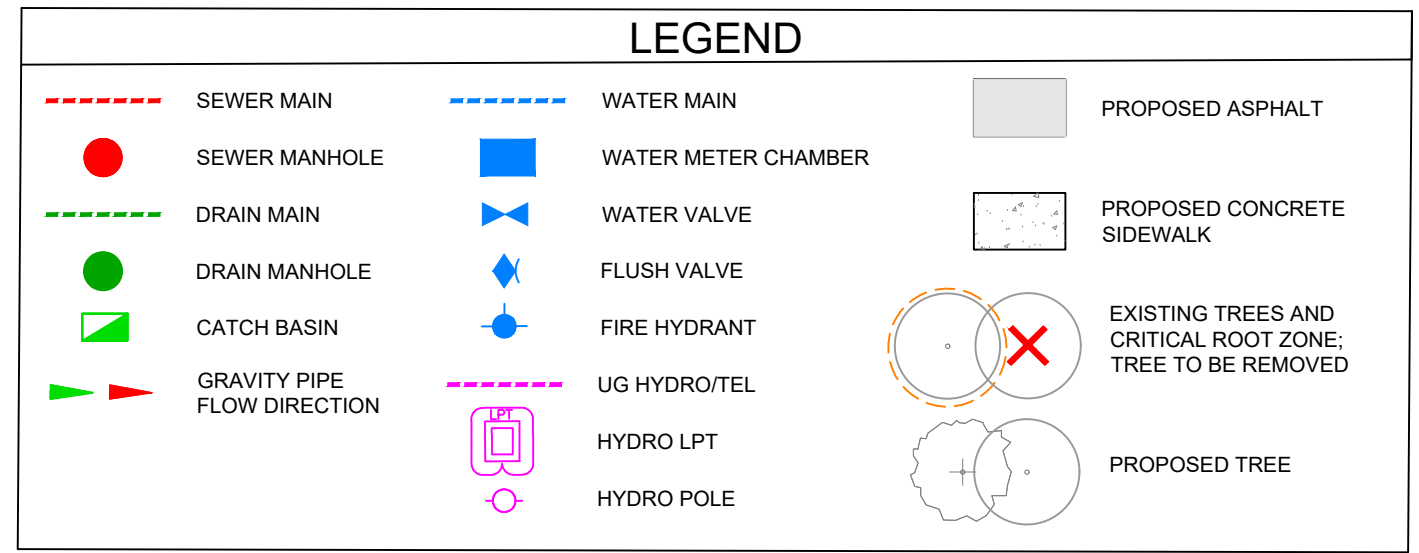
I&I [L/day] = SITE AREA [ha] X I&I CONSTANT: 8,306  
 ADD DAILY [L/day] = CAP CONSTANT X TOTAL CAPITA: 13,320  
 PEAKING FACTOR (PF) [L]: 4.47

PEAK WET WEATHER FLOW [L/day] = PF X ADD DAILY + I&I: 67,904 L/day

- WATER SERVICE WITH FIRE FLOWS (MMCD):
- FIRE FLOWS SHOULD BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF "WATER SUPPLY FOR PUBLIC FIRE PROTECTION - A GUIDE TO RECOMMENDED PRACTICE", PUBLISHED BY THE FIRE UNDERWRITERS SURVEY
  - FIRE FLOW SHALL NOT BE LESS THAN 90 L/s FOR APARTMENTS OR TOWNHOUSES.

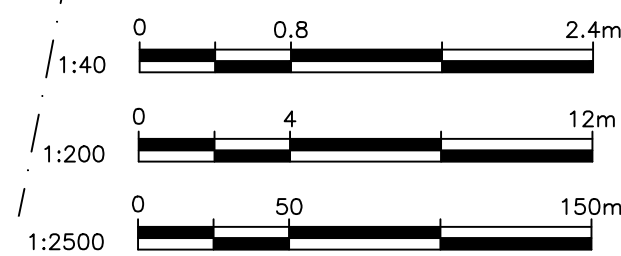
FUS SUMMARY (DETAILED CALCS PROVIDED):

BUILDING D (EAST): 166.7 L/s (SEPARATED BY FIREWALL)  
 BUILDING D (WEST): 150.0 L/s (SEPARATED BY FIREWALL)  
 BUILDING C: 200.0 L/s  
 BUILDING B: 183.3 L/s  
 BUILDING A (HERITAGE HOUSE): 150.0 L/s



BC CALL  
1-800-474-6886

THE CONTRACTOR IS TO CALL B.C. ONE CALL AND HAVE EXISTING U/G SERVICES STAKED PRIOR TO ANY CONSTRUCTION



ISSUED FOR DEVELOPMENT PERMIT APPLICATION

ISLANDER ENGINEERING  
623 DISCOVERY STREET  
VICTORIA, B.C. V8T5G4  
PHONE 250.590.1200  
www.islanderengineering.com

<p>CONFIRM UNDERGROUND LOCATIONS WITH UTILITY COMPANIES</p> <p>THE LOCATION AND ELEVATION OF THE EXISTING UNDERGROUND INFRASTRUCTURE SHOWN ON THIS DRAWING MAY NOT BE ACCURATE OR COMPLETE. THE ACTUAL HORIZONTAL AND VERTICAL LOCATIONS MUST BE CONFIRMED PRIOR TO THE START OF ANY EXCAVATION.</p>	<p>LEGEND</p> <table border="1"> <tr> <td>Existing Municipal Infrastructure</td> <td>Drain</td> <td>Curb</td> <td>Concrete Box</td> <td>Valve</td> <td>6</td> </tr> <tr> <td>Proposed Municipal Infrastructure</td> <td>Ditch</td> <td>Sidewalk</td> <td>Wood Box</td> <td>Flush Valve</td> <td>5</td> </tr> <tr> <td>Existing External U/G Utilities</td> <td>Manhole</td> <td>Catch Basin</td> <td>Hydrant</td> <td></td> <td>4</td> </tr> <tr> <td>Proposed External U/G Utilities</td> <td>Water</td> <td>Cleanout</td> <td>Culvert</td> <td>Reducer</td> <td>3</td> </tr> <tr> <td>Street Lighting Pole Mount</td> <td>Standard Mount</td> <td>Traffic Sign</td> <td>Silt Trap</td> <td>Cap / Plug</td> <td>2</td> </tr> <tr> <td>Post Top</td> <td>Pedestrian Signal</td> <td>Traffic Signal</td> <td>Ctrl Monument</td> <td>Traverse Hub</td> <td>1</td> </tr> </table>	Existing Municipal Infrastructure	Drain	Curb	Concrete Box	Valve	6	Proposed Municipal Infrastructure	Ditch	Sidewalk	Wood Box	Flush Valve	5	Existing External U/G Utilities	Manhole	Catch Basin	Hydrant		4	Proposed External U/G Utilities	Water	Cleanout	Culvert	Reducer	3	Street Lighting Pole Mount	Standard Mount	Traffic Sign	Silt Trap	Cap / Plug	2	Post Top	Pedestrian Signal	Traffic Signal	Ctrl Monument	Traverse Hub	1	<p>REVISIONS</p> <table border="1"> <tr> <th>REVISION #</th> <th>DATE</th> <th>SIGNED</th> <th>APPROVED</th> <th>DATE</th> <th>SIGNED</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	REVISION #	DATE	SIGNED	APPROVED	DATE	SIGNED	1						<p>REVISIONS APPROVED</p> <table border="1"> <tr> <th>REVISION #</th> <th>DATE</th> <th>SIGNED</th> <th>APPROVED</th> <th>DATE</th> <th>SIGNED</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	REVISION #	DATE	SIGNED	APPROVED	DATE	SIGNED	1						<p>DESIGN APPROVED</p> <table border="1"> <tr> <th>APPROVED BY</th> <th>DATE</th> <th>SIGNED</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	APPROVED BY	DATE	SIGNED				<p>DISTRICT OF OAK BAY</p> <p>960 FOUL BAY ROAD</p> <p>CONCEPTUAL SERVICING PLAN</p> <p>B.M.: -          Design: JUS          Scale: Hor: 1:200 Vertical: -</p> <p>Elev.: -          Checked: JUB          Date: 2026-02-11</p>	<p>ISLANDER ENGINEERING</p> <p>FILE # 2702</p> <p>MUNICIPAL DESIGN # -</p> <p>DRAWING # C01</p> <p>SHEET # 1 OF 1</p>
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