### SANITARY SEWER NOTES:

1. All sanitary sewer main, manholes, and services shall be constructed in accordance with City of Nanaimo Sanitary Sewer Standards and Specifications (MoESS).
2. The contractor is responsible for maintaining service to existing users during construction through valve manifolds or bypass pumping. The contractor is to provide a valve manifold plan and procedure to the engineer. The contractor shall maintain as-built records, including as coordinates to be secured and kept in good working condition during the life of the project.
3. All sanitary sewer pipes encountered within the trenching shall be removed and disposed of in accordance with applicable local, provincial, and federal regulations.
4. All sanitary sewer services shall be 100mm PVC SDR21 unless noted otherwise.
5. All sanitary sewer services shall be inspected prior to backfilling of the trench.
6. All sanitary sewer services shall be inspected prior to backfilling of the trench.
7. The contractor is to file and provide to the City of Nanaimo City Inspector all as-built plans prior to approval and execution.

### GENERAL NOTES:

1. All construction to be in accordance with City of Nanaimo Manual of Engineering Standards and Specifications (MoESS).
2. All sanitary sewer pipes are to be constructed in accordance with City of Nanaimo Sanitary Sewer Standards and Specifications (MoESS).
3. All locations and elevations of existing utility poles and appurtenances are to be confirmed by use of a pipe location and manual digging. All utility structures not necessarily shown.
4. All excavations to be backfilled with imported granular material compacted to minimum 95% modified Proctor, unless otherwise approved by the engineer.
5. Permanent pavement restoration to be completed by others.
6. All non-structural items to be left 100mm below finished grade. Landscaping and restoration to be completed by others.

### REQUIREMENTS:

- Pumping plan prior to starting construction. The contractor shall ensure untraveled areas, untraveled areas, unless approved by the engineer. Construction through bypass pumping. The contractor is to provide a bypass plan and procedure to the engineer. The contractor is responsible for maintaining service to existing users during construction through valve manifolds or bypass pumping. The contractor is to provide a valve manifold plan and procedure to the engineer. The contractor shall maintain as-built records, including as coordinates to be secured and kept in good working condition during the life of the project.

### LOCATION OF SERVICES:

- The location of service connections to be determined on site unless shown otherwise. The engineer shall be notified of any conflicts.

### GEOMETRIC DATA:

- All as-constructed plans to be submitted on site unless shown otherwise. All elevations shall be referenced to the City of Nanaimo Standard DWG T-1. All non-structural items to be left 100mm below finished grade. Landscaping and restoration to be completed by others.

### MATERIALS:

- All construction to be in accordance with City of Nanaimo Sanitary Sewer Standards and Specifications (MoESS).
- Any alternative to specified materials or appurtenances to be approved by the city engineer prior to construction.
- All excavations to be backfilled with imported granular material compacted to minimum 95% modified Proctor, unless otherwise approved by the engineer.