

Engineering - Checklist for

Suitable Plan of Development (SPoD)

For Development Projects, the following items are required to be included in the submission:

Infrastructure:

- Key Plan/Site Servicing Plan utilizing an “Underground Package”, identifying property & SRW/Easements and the proposed locations of:
 - Vista Switch/PMT;
 - Fire hydrants, fire access design and any letdowns;
 - Driveways.
- Fire Underwriters Survey [Hyperlink to information here](#) (See Section 3.5, Design Criteria Manual 2019)
- Sanitary, storm and water load/flows & calculations [Hyperlink to download Doc #1 here](#)
- Identify and report cost sharing / contributions

An “Underground Package” from the City’s Engineering Dept. Project Manager will be issued.

It will contain files for ACAD drawing templates, cadastral data, and City utilities

Reminder: *not required for this submission but will required at a later submission;*

- Water Metering Strategy [Hyperlink to download Doc #2,3,4,5 here](#)

Transportation:

- Traffic Impact Assessment (standalone report), if applicable;
 - *Traffic Demand Management required when parking/loading supply does not meet Planning Department policy*
- Preliminary geometrics and coordination with any transportation project;
- Town Centre Standards (if applicable):
 - *Note: Where Town Centre Standards cannot be achieved after project completion, an interim standard may be required. Dedications and the interim plan must show lane alignment and vehicle movement (to be used when one side of the road right-of-way incomplete).*
- Refer to Town Centre standards, where required (note on site plan), on-site work responsibilities, , signal and street light hardware requirements;
- Driveway locations and loading/unloading requirements and design vehicle size, covenant on max truck size (shown on the site plan, *to be ensure design vehicle is taken into account (ensure design works)*);
- Consider letdown design, width, corner clearance, clear throat and magazine storage requirements, alignment with opposite side and intersections, visibility, ramp wall affecting pedestrian/ sidewalk visibility;

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- Parking & Parkade extents, dead-end isles, blind corners, fob / buzzer location (*to be shown on the site plan*);
- Turning radii, internal road traffic control, flexible bollard/cycle track intrusion requirement, speed hump and stop sign requirement at parkade ramp sidewalk crossing;
- Road Ownership (public or private) with any dedications and/or Stat. Right-of-Ways (SRW) required;
- Pedestrian circulation shown (on-site) and street crossing safety measures (to be reviewed with Transportation Planning);
- Consider Bus Stop & transit locations, shelter and passenger pad requirements (*show on detail design*); and
- Transportation demand management measures (on-site).
- *Where development sites create a leg of an intersection, the first 10m from the final PL is required (for signal maintenance, traffic control, crosswalk, parking, etc.*

Rainwater

- Ground Water Management [Hyperlink to information here](#)
 - Submission is in a form of a signed and sealed technical report.
 - Groundwater
 - The assessment/investigation of groundwater should be supported by a detailed geotechnical and hydrogeological report.
 - The report should include the requirements as outlined in the attached GWM document.

Solid Waste & Recycling (SW&R)

- SW & R [Hyperlink to information here](#)
 - Submission is in the form of drawings ;
 - The drawing (s) should incorporate solid waste and resource amenities into their building design; and
 - The drawing (s) must meet the attached SW&R requirements.

Approved for completeness and accuracy. All information may be submitted to the City of Burnaby

 Authorized Signatory, on behalf of Developer (_____), dated ____ / ____ / ____
Print name of developer/company