



SEWER PLAN REVIEW CHECKLIST

The checklist is a sample of minimum selected design standards only. All other design standards and project conditions apply.

GENERAL INFORMATION

- Easement(s) Required, Shown, Called Out; Copy of offsite easement included
- Existing easement(s) and Easement Corrections Shown, Called Out
- Easement Accessibility
- Legend
- Street Names & Widths
- Length of Public Improvements (Water/Sewer)
- Current Standard Detail Sheets OR City of Vancouver's Standard Detail Note
- Completed Industrial Pretreatment Industrial Information Form (IIF) (if applicable)
- Completed Clark Regional Wastewater District (CRWWD) Utility Review (if applicable)

GENERAL REQUIREMENTS

- Construction notes
- Complies with P.I.R.
- Downstream sewer main existing & approved
- Straight Alignment between manholes/cleanout
- Sewer main locations-dimensions shown from ROW/centerline/Easement/etc.) (Typ. 7' South/West of CL)
- Show existing & proposed utilities
- Separate lateral for each Lot/Building
- Lateral size (4"-SFR; 6"-Others), Distance from downstream MH, Length from Main, Slope, Depth & Invert Elevations (If <5'deep, C900 PVC required)
- Special manhole frame or cover required
- Manhole coating required
- Minimum finish floor elevation (FFE) required (if laterals <5' deep)

PLAN AND PROFILE INFORMATION

- Sanitary stationing
- Show existing downstream MH (distance to new MH, IE & Slope)
- Show possible conflicts (Utilities, Structures, Trees, Wells, etc.)
- Pipe sizes, lengths, and materials – Plan & Profile match
- Manhole spacing (Typ. Max. 400')
- Cleanout (Typ. Maximum distance 150')
- Separation from water (10' horizontal, 18" vertical)

PROFILE INFORMATION

- Minimum depth & cover (If <5', C900 PVC required; min. 3' cover)
- Minimum design slope (0.0045 for 8" pipe)
- Rim and invert elevations
- Check slopes and invert calculations
- Drop through manhole required (Typ. 0.2 ft)
- Inside/outside drop required
- Concrete anchors required (slope > 20%)