



SRD LAND CONSULTING

Surveying - Town Planning - Engineering

ACN: 668 441 254

Our Ref: 40737

Hilltops Council
189 Boorowa St
Young NSW 2594

RE: Stormwater Design 62-64 Queen St, Boorowa

1. from the architectural plans, sub-catchments were determined including effective impervious areas (roofs, driveways, paved or sealed areas) and pervious areas (gardens, grassed etc).
2. From the site plan, flow lengths and grades were determined.
3. From the above plans, a drainage network to the nearest council stormwater infrastructure was fixed. Queen Street is a kerb and gutter sealed road discharging westerly to the pit at the Intersection of Scott Street, and discharging easterly from the driveway entry just east of the subject land.
4. Using current (2025) version of Landmark engineering software, and current BOM 2025 rainfall coefficients and Rational Method, an initial design providing pipe sizes, pit sizes, discharge and velocity rates was calculated.
5. From an export to DRAINS (Watercom, 2025), the network was analysed using 20%AEP for the minor flood and 1%AEP for the major flood. Safe depths, volumes and velocities of bypass flows for the appropriate shapes and routes of bypass flows were applied, including the gutter flow along Queen Street and results provided based on the initial network, with required adjustments from DRAINS being applied to the design and long sections. Initial loss Continuous loss (IL-CL) hydrology model for Boorowa from ARR Data Hub was adopted.
6. The results, and long sections have been shown on the design plans.

Regards
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Registered Surveyor

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