



Building next to the electrified rail corridor

Middleton Group specialises in the design and delivery of traction substations and rail-related power systems.

There are issues you need to be aware of when planning to build near an electrified rail corridor - but they may not be immediately obvious and solving them may cost time and money. Middleton Group's experienced rail engineers help you address and mitigate these risks so you can avoid delays and unexpected costs. The delivery process is adaptable to fit your development timeline and prevent disruptions.

What is the electrified rail corridor?

The rail corridor comprises land and its associated rail infrastructure, which accommodates a wide array of overhead and underground assets including train communications and electricity distribution lines. The rail corridor is a critical state-owned asset, and building near it comes with hidden planning risks.

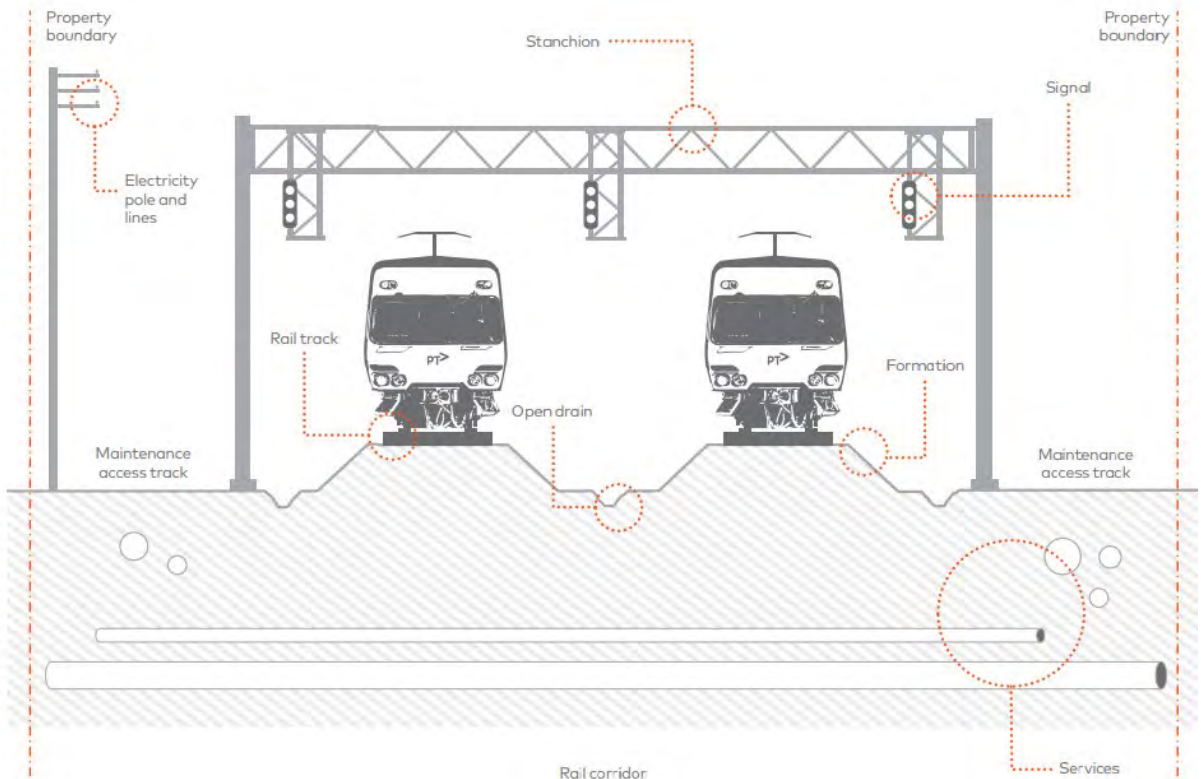


Figure 1

Source: VicTrack Rail Development Interface Guidelines

The hidden planning risks

VicTrack and Energy Safe Victoria have strict safety and technical requirements for developments adjacent to the rail corridor. Overlooking these in the planning stage of your project can lead to unforeseen risks, such as delays due to unforeseen stakeholders, the need for electrical studies, the risk of rail equipment not being accounted for, and planning adjustments that delay building schedules. Middleton Group's experts help minimise and manage these risks to keep your project on schedule.

How we can help

- Conduct assessments of your development to ensure that it complies with adjacent site developments' electrical and electrolysis requirements for Metro Trains Melbourne (MTM).
- Develop compliance plans in cooperation with MTM by communicating with stakeholders.
- Offer suggestions and solutions for your development's building plans to reduce the risk of electrolysis.
- Provide stakeholders and building professionals with expert information and advice on electrical and electrolysis compliance needs.

How we do it: Phase 1



Phase 2



Why choose us

- We communicate with our clients to understand their plans and carefully analyse their current configuration and future works.
- We engage with key stakeholders, such as VicTrack, VEC and Metro Trains, to help them communicate with our clients and discuss solutions.
- We conduct earthing studies and electrolysis analysis as per the latest applicable standard and bring our knowledge and solutions to every project.
- We bring more than 20 years of experience in dealing with electrical rail systems and how they affect the public.



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