MT ST MICHAEL'S COLLEGE
UNDER THE STEWARDSHIP OF MARY AIKENHEAD MINISTRIES

FAQs – Tower Crane Erection

The following information has been prepared for our community regarding the planned delivery, erection and operation of the tower crane for the Amarina Avenue Building Project.

When will the tower crane be delivered and erected?
The tower crane is scheduled to be delivered and erected on Saturday 10 October. The work is subject to suitable wind and weather conditions and may need to be postponed if conditions are unsafe.

Will Amarina Avenue be closed?
Yes. A temporary road closure on Amarina Avenue will be required for the day (Saturday 10 October) between the approved hours of 6:30am - 6:30pm. Traffic management will be in place in accordance with the approved Traffic Guidance Scheme (TGS).

Why will the crane's jib extend over parts of the College?
The crane will have a 50-metre jib. Due to the crane's location, its physical swing radius extends across portions of the existing College buildings. This is an anticipated part of the engineered crane configuration.

Can the crane carry loads over school buildings?
No. The crane will be fitted with a lock-out and slew restriction system that establishes restricted operating zones over nominated school buildings. During normal lifting operations, this system will prevent suspended loads from being carried into those restricted areas.

Why might the crane move when construction work is not taking place?
When the crane is unattended or out of service, it is designed to free slew, or "weather-vane". This allows the jib to rotate naturally with the prevailing wind and reduces wind loading on the crane structure. The jib may therefore be seen moving slowly overnight or on weekends when no construction work is occurring.

Will the jib pass over school buildings while the crane is weather-vaning?
It may. Although the lock-out system restricts lifting operations over nominated school areas, the jib itself may pass over those areas when the crane is out of service and weather-vaning. There will be no suspended load on the crane while it is in this condition.

What happens if it is too windy?
Crane erection and lifting activities must comply with the crane manufacturer's applicable wind limits. Installation will be postponed if wind conditions are unsuitable. During normal operation, the crane will be placed out of service when the applicable wind limit is reached.

What safety planning has been completed?
The installation has been subject to site-specific engineering, lift planning, a Safety in Design assessment and Safe Work Method Statements. Requirements include pre-installation inspections, ongoing maintenance, confirmation of foundation strength and installation in accordance with the engineered configuration.

Who will operate the crane, and how will lifting areas be managed?
All crane operations will be undertaken by appropriately qualified personnel. Exclusion zones will be established for lifting activities, and no personnel will be permitted beneath suspended loads.

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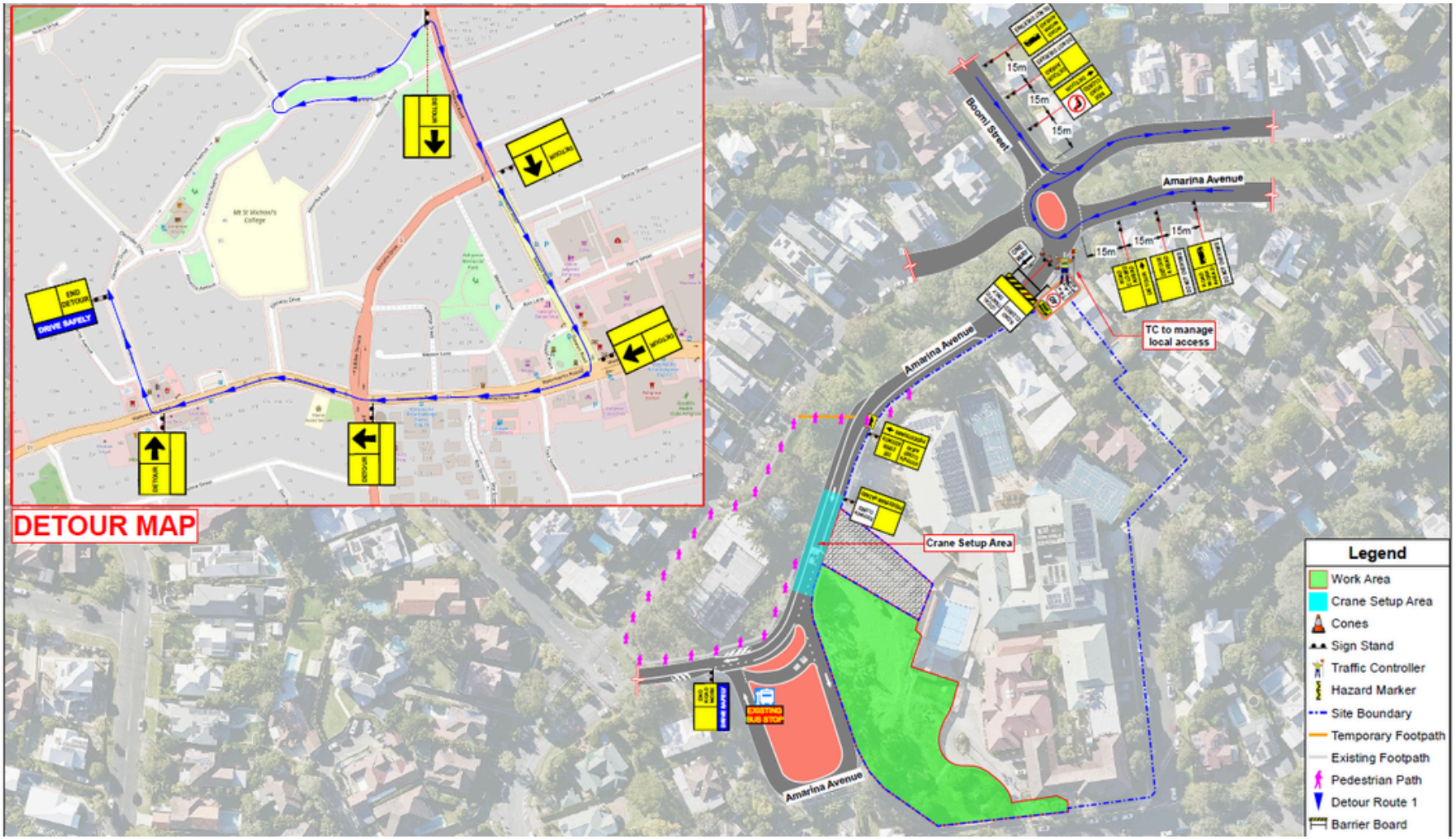
Approved Traffic Guidance Scheme (TGS) for Tower Crane Erection - Saturday 10 October



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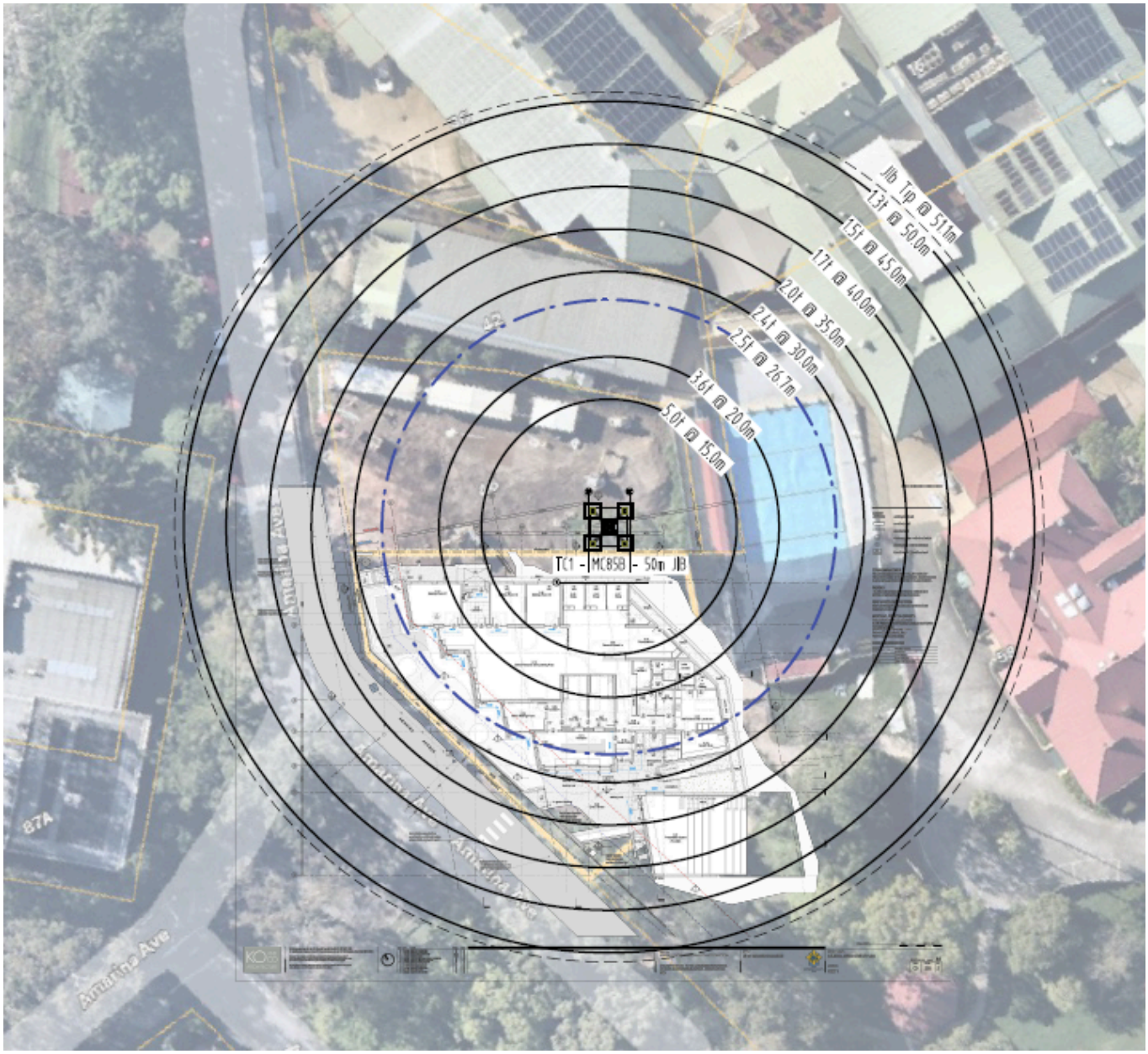
Tower Crane Radius Plan



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