

6.2.2 Pakenham Revitalisation Main Street Design

Responsible GM: Peter Benazic
Author: {Kylie Traeger}

Recommendation(s)

That Council :

- Endorse the design for Stage 1 of the Pakenham Revitalisation Project.
- Delegate authority to the CEO to finalise such details as placement of bins, bike racks, seating and road and footpath pavement composition, and infrastructure location catering for flexibility of placement managing competing complexities with services as the project progresses.
- Note the commitment to support local businesses throughout this project through planned engagement activities, as well as requirements of the successful tenderer to develop a disruption mitigation plan that addresses key concerns for local businesses, including:
 - access to the businesses for customers and deliveries
 - staged construction with time frames
 - utilise alternative methods to mitigate business disruptions like night works where practical
 - minimal disruptive works from September - December
 - noise and dust suppression
- Note that Council will continue to be updated as this project progresses through to final design, tender, and construction

Attachments

1. 240064 - PRP Civil Design 75% - Rev B [6.2.2.1 - 36 pages]
2. 240522 PRP Landscape 75% Issue [6.2.2.2 - 43 pages]
3. PRP Lighting Design 75% [6.2.2.3 - 1 page]
4. PRP - Impact Assessment Summary 04-04-24 [6.2.2.4 - 8 pages]
5. 231005 Pakenham PRS Report 1 [6.2.2.5 - 30 pages]
6. PRP Council Endorsement Public Realm Strategy 20 11 24 [6.2.2.6 - 5 pages]
7. PRP Council Briefing NOM Feb 2024 [6.2.2.7 - 3 pages]
8. 230523 Main Street Pakenham TIA 240202 [6.2.2.8 - 24 pages]

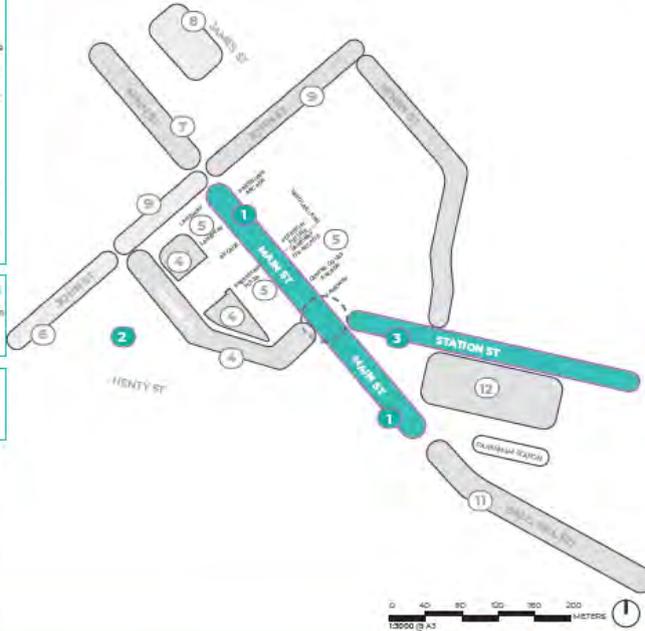
Executive Summary

The Pakenham Revitalisation Project is a Council priority project – a long term plan to deliver a vibrant and active Pakenham that is safe and accessible for everyone. The overarching strategy to achieve Council's long term plan - the Public Realm Strategy, was endorsed by Council on the 20th of November 2023. This report seeks approval for the design of the first stage of the twelve stage plan to revitalise Pakenham, as outlined in figure 1.

07 PRS IMPLEMENTATION

PRIORITY PUBLIC REALM PROJECTS

- 1. MAIN STREET (2024)**
 - Upgrade road cross-section and drainage
 - Reduce traffic lanes from 4m to 3.2m
 - Parallel parking with permeable paving to reduce surface runoff
 - Improve pedestrian accessibility and experience through:
 - Re-grading the footpaths to work in with floor levels of shops
 - Replace barrier curb with continuous kerb ramp
 - Provide outdoor dining opportunities
 - Streetscape improvements include: feature paving or patterned concrete, seating areas, planter boxes, improved public lighting, street trees and wayfinding signage
 - To be delivered in 2 stages
 - Stage 1 Central, scheduled delivery early 2024
 - Stage 2 Gateway, scheduled delivery late 2024
- 2. WAYFINDING STRATEGY IMPLEMENTATION (short term)**
 - A consistent wayfinding system across Pakenham Major Activity Centre that is cohesive, efficient and provides clear directions across the activity centre.
- 3. STATION STREET**
 - Parallel carpark line marking (2024)
 - Upgrade footpaths
 - Consider street tree planting
 - Improve connections to Bourke Park



PUBLIC REALM PROJECTS

- 4. DRAKE PLACE (short to medium term)**
 - Stage 1 - Upgrade Drake Place
 - Stage 2 - Opportunity for mixed-use development with multi-level car parking (long term)
- 5. ARCADES & LANEWAYS (medium term)**
 - Opportunity for activation (markets/arts festival)
 - Upgrade surface finishes
 - Potential to engage local artists
 - Upgrade lighting for safety
 - Outdoor furniture
 - Weather protection
- 6. JOHN STREET (short term - TBC)**
 - Road extension through to Henry Street
- 7. MAIN STREET NORTH (long term)**
 - Upgrade primary footpaths
 - Consider street tree planting
 - Street furniture
- 8. JAMES STREET (long term)**
 - Formalise car parking area
 - Stage 2 - multi-level Carpark (long term)
- 9. JOHN STREET (long term)**
 - Upgrade primary footpaths
 - Consider tree planting
 - Gateway element
 - Street furniture
- 10. HENRY STREET AND COOK DRIVE (long term)**
 - Upgrade footpaths
 - Consider street tree planting
- 11. BALD HILL ROAD (long term)**
 - Upgrade footpaths
 - Barrier uses along Bald Hill Road
 - Consider street tree planting
- 12. KEY DEVELOPMENT AND OPPORTUNITIES (long term)**

Figure 1 – 12 stage plan for the Pakenham Revitalisation Project

The design for stage one, focuses on improving Main Street Central and Mainstreet Gateway (by prioritising people, to create a vibrant and active town centre that is safe and accessible for everyone.

Stage 1 improvements support the key themes of the consultation process with the community and project key stakeholders, active, vibrant, safe and accessible for everyone – outlined in the following table. The detailed design is attached. As the project progresses through the tender phase, some refinements and adaption will continue to occur to this design; including considerations such as placement of bins, bike racks and seating, road and footpath pavement composition, and changes that may arise due to competing complexities with services.

Council has collaboratively worked across all aligning teams and their respective specialised areas to ensure the design of the first stage is set up for success and future proofed.

Stage 1 Project Improvement Deliverables	
Civil Improvements	<ul style="list-style-type: none"> • Upgrade of road surface and drainage. • Upgrade of pedestrian crossings to improve safety. • Provision of accessible parking spaces. • Design that supports flexible spaces for multiple uses (i.e. festivals and events). • Parallel parking spaces on Main Street to create improved footpaths for pedestrians and a shared space for street trees, seating and street furniture.

Landscape Improvements	<ul style="list-style-type: none"> • Improved footpath connections for pedestrians to encourage activation. • Orientating and incorporating seating and landscaping areas to increase passive surveillance to improve the safety and security of the area. • Positioning street furniture to encourage social interactions and activation to improve safety in the area. • Provision of appropriate landscaping to increase the amenity and safety of the space. • Planting of street trees using stratavault to ensure trees reach maturity quicker
Lighting Improvements	<ul style="list-style-type: none"> • Provision of appropriate lighting to increase the amenity and safety of the space. • Lighting to support foot traffic, create more inviting open and well-maintained spaces. • To encourage more businesses to be open at night increasing passive surveillance. • Improved pedestrian crossing safety. • Feature lighting to support a developing night time economy.
Community Benefits	<ul style="list-style-type: none"> • Reduced flooding. • Increased car and pedestrian network functionality in and around the Pakenham Activity Centre. • Improved walkability in and around the Pakenham Activity Centre. • An increased feeling of safety during visitation. • Reduced crime as Pakenham transitions into a vibrant and active street. • Increased social interactions and community connectedness. • Increased visitation and repeat visitation to the Activity Centre unlocking the opportunities for increased local spend and investment in Pakenham. • Increased opportunities for events and festivals to encourage community gatherings, pride and connectedness.

Upon approval of the stage 1 design, next steps involve

- Plans to be shared with the community and Main Street businesses – May and June 2024.
- Commencement of the formal tender process – June/July 2024.
- Council endorsement of the tender – August 2024.
- Construction commencement in September 2024.
 - low disruptive works from September to January 2025.
 - full construction commencement in January 2025.

Council acknowledges that projects such as this has the capacity to cause disruptions. Council has committed to minimising these impacts by implementing, along with the successful tenderer, a disruption mitigation plan prior to works commencing.

Background

Refer to Pakenham Revitalisation – Council Meeting Report 20 November 2023

Refer to Pakenham Revitalisation – Council Briefing February 2024 – for action resulting from the four-part Notice of Motion

Trader impact Assessment Summary

Policy Implications

This work sits within Cardinia Shire key documents of:

- Local Government Act in undertaking community engagement
- Council Plan – commitment to our community
- Liveability Plan
- Pakenham Major Activity Centre Structure Plan
- Pakenham Major Activity Centre Urban Design Framework
- Pakenham Parking Precinct Plan
- Procurement Policy
- Engagement Policy
- Community Safety Policy
- Access and Inclusion Plan
- Ageing Well Strategy

Relevance to Council Plan

The Pakenham Revitalisation Project is a Council initiative within the 2021-25 Council Plan, listed below and aligns to the community vision and priorities.

- Design Pakenham town centre streetscape
- Commence Pakenham town centre streetscape upgrades
- Progress Pakenham town centre streetscape upgrades
- Complete Pakenham town centre streetscape upgrades

2.1 We support the creation of liveable spaces and places

2.1.1 Advocate, plan for and deliver accessible community infrastructure and services that address community need.

2.1.2 Plan and maintain safe, inclusive and connected open spaces, places and active travel routes.

Climate Emergency Consideration

N/A

Consultation/Communication

A successful community engagement process was run in August 2023 where 500 people shared their feedback on the Public Realm Strategy. The key themes have informed the design to develop Pakenham to become:

- A safe place with better lighting
- Accessible footpaths and entrances to shops
- Active with more restaurants and entertainment during the day and night
- An attractive place, featuring greening to attract people to visit and spend time

Council engaged Struber, an expert in stakeholder management to support the project and consultation with the businesses that will be impacted by the development of Main Street. An impact assessment was undertaken by Struber in February 2024 and a summary report shared with the businesses so it was clear business concerns would be addressed leading into and during construction. Key concerns from the summary report:

- Construction timeframes
- Access to businesses

- All day carparking for business staff
- Loading
- Waste
- Day/night works
- Ensuring communication is aligned to CALD business owners

Council committed to share the design of Main Street with the businesses at the earliest opportunity – design was shared on 31st May and will be shared again when the plans are completed. Once a tender process is completed, the awarded contractor will provide a methodology and staged plan of construction to help the businesses understand key timeframes for disruptions. A key focus of the tender process will involve mitigation of impact to businesses during construction.

Financial and Resource Implications

Stage 1 involves the design and development of the streetscape in Main Street Central in the 24/25 financial year – scheduled to commence in September 2024. \$1.532,400M has been granted under a Growing Suburbs Funding Agreement with the Victorian Government, combined with Council's contribution.

Main Street Gateway has been tendered and designed at the same time for project and financial efficiency, however the area is not accessible until after the Level Crossing Removal Project has completed their works to the roundabout at Main, Baldhill and Henty Streets, anticipated in late 2024, in the 24/25 financial year. A separate budget exists for this stage and incorporates funding from the Level Crossing Removal Project from an asset maintenance Agreement. The total budget for both sections of Main Street is \$5.5M.

The long-term project has 12 stages in total, stages 4, 6, 9 have recently received additional grant funding from the Growth Area Infrastructure Contribution Program (GAIC) – the balance of the public realm stages are currently unfunded at this stage.

Advocacy is actively sought at every opportunity across all levels of government to achieve additional funding for the future stages of Pakenham Revitalisation.

Conclusion

The first stage and subsequent funded stages of the Pakenham Revitalisation Project are set to make a significant difference in transitioning Pakenham as it moves from a suburb on the fringe of metropolitan Melbourne servicing residents and commuters, to a Major Activity Centre that will be a destination for thousands of new residents and workers travelling to, or from the area. Pakenham Activity Centre is projected to service 24,756 additional people by 2041, this does not include people who will travel to Pakenham in the future to visit and spend time.

The Public Realm Strategy Implementation Plan will continue to guide the growth and development alongside the community to ensure Pakenham becomes an attractive and safe destination, accessible for all people that features entertainment and community events.

PAKENHAM REVITALISATION PROJECT

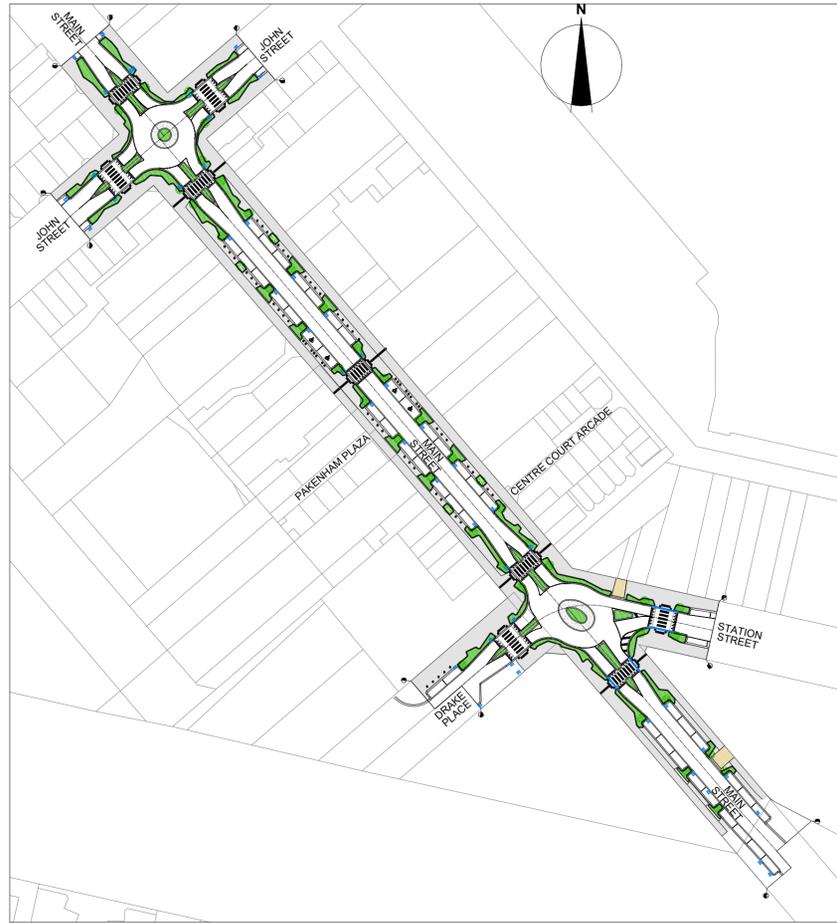
CIVIL DESIGN

CARDINIA SHIRE COUNCIL

GENERAL NOTES:

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE DRAWINGS, CURRENT COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS AND VPA EDM GUIDELINES TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT & A.S.2124-1992 GENERAL CONDITIONS OF CONTRACT.
- THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCING CONSTRUCTION.
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 1985, INCLUDING ALL RELEVANT REGULATIONS HAVE BEEN ADDRESSED IN PARTICULAR THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH AND SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH AND SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
- UNLESS OTHERWISE SHOWN BATTERS INTO ALLOTMENTS SHALL NOT BE STEEPER THAN 1 IN 6. ALL BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, HAY, STRAW AND BITUMINOUS EMULSION. ALL TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- THE NATURE STRIPS IN CUT OR FILLED AREAS ARE TO BE TOPSOILED WITH 100mm OF APPROVED TOPSOIL MATERIAL. IF THE SOIL ON THE SITE IS NOT SUITABLE, IT SHALL BE IMPORTED AT THE CONTRACTORS EXPENSE. THE APPROVED TOPSOIL MATERIAL IS TO BE TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- ALL EASEMENT DRAINS ARE TO BE OFFSET 1.00m FROM PROPERTY BOUNDARY, UNLESS OTHERWISE SHOWN.
- ALL EASEMENTS SHOWN ARE FOR THE PURPOSE OF DRAINAGE AND SEWERAGE. 2.00m AND 3.00m WIDE, UNLESS OTHERWISE SHOWN.
- DRAINAGE PIPES SHALL BE RUBBER RING JOINTS REINFORCED CONCRETE CLASS 2, UNLESS OTHERWISE SHOWN.
- DRAINAGE PIPES AND PITS ARE SET OUT FROM OFFSETS, RATHER THAN FROM CENTRELINE PIPE CHANGES. CURVILINEAR DRAINAGE PIPES MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES.
- PROPERTY INLET PITS ARE TO BE LOCATED 1.00m FROM LOW SIDE BOUNDARY, UNLESS OTHERWISE SHOWN. INVERTS OF PROPERTY INLETS ARE TO BE A MINIMUM OF 400mm BELOW EXISTING SURFACE.
- HOUSE DRAINS ARE TO BE CONNECTED DIRECTLY INTO UNDERGROUND DRAINAGE PIPES OR PITS AND OFFSET FROM SIDE BOUNDARY 5.0m WHERE POSSIBLE AS PER EDM 701. THE LOCATION OF THE HOUSE DRAIN TO BE MARKED NEATLY ON FACE OF KERB WITH THE LETTER 'H' (50mm HIGH). HOUSE DRAIN LEVEL TO BE A MINIMUM 0.4m BELOW THE LOWEST CORNER OF THE LOT.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND SERVICES PRIOR TO COMMENCING EXCAVATIONS AND THE VARIOUS AUTHORITIES ARE TO BE NOTIFIED. SHOULD ANY EXISTING SERVICES BE DAMAGED DURING CONSTRUCTION WORKS, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR REPAIRS. ALL COSTS FOR THIS SHALL BE BORNE BY THE CONTRACTOR.
- UPON COMPLETION OF CONSTRUCTION, THE WHOLE SITE SHALL BE CLEANED UP & GRADED OVER AND ALL RUBBISH IS TO BE REMOVED. THE SITE IS TO BE LEFT CLEAN & TIDY AND TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. FILLING TO BE CLEAN CLAY COMPACTED TO A DRY DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1289.5.2.1-2003. SAMPLING AND TESTING IN FILL AREAS LESS THAN 200mm TO COMPLY WITH AS3798-2007 SECTION 8.3 (LEVEL 2) LEVEL 1 SUPERVISION AND TESTING TO BE CARRIED OUT WITH ACCORDANCE WITH AS3798-2007 SECTION 8.2 FOR ALL FILL AREAS IN EXCESS OF 200mm. A FILL REPORT MUST BE SUBMITTED TO THE CONSULTANT SHOWING FROM A NATA REGISTERED SOIL TESTING LABORATORY.
- ANY FILL CONSTRUCTION BENEATH CAPPING LAYER AND OR SUBGRADE TO BE TYPE A SELECTED MATERIAL. TO BE PLACED AND COMPACTED IN ACCORDANCE WITH CLAUSE 20.6 WHITTLESEA CITY COUNCIL. ALL OTHER FILL OUTSIDE OF PROPOSED PAVEMENTS (INCLUDING BENEATH FOOTPATHS) IS TO BE STRUCTURAL FILL AS PER NOTE 14.
- FILL AREAS TO BE STRIPPED OF TOPSOIL, THEN REPLACED TO OBTAIN FINAL LEVELS AS SHOWN ON THE DRAWINGS. ALL FILLING TO BE COMPACTED AS SPECIFIED. NO TOP SOIL TO BE REMOVED FROM THE SITE WITHOUT THE APPROVAL OF COUNCIL.
- ALL DRAINAGE PIPES UNDER ROAD PAVEMENT, DRIVEWAY, FOOTPATH & KERB AND CHANNEL SHALL BE BACKFILLED WITH CLASS 3 F.C.R. & ALL CONDUIT TRENCHES UNDER ROAD PAVEMENT, DRIVEWAY, FOOTPATH & KERB AND CHANNEL SHALL BE BACKFILLED WITH CLASS 2 F.C.R.
- THE CONTRACTOR SHALL CO-OPERATE WITH OTHER CONTRACTORS AND/OR AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE. THE CONTRACTOR SHALL CHECK WITH THE ENGINEER THE EXACT LOCATION OF ALL PROPOSED SERVICES PRIOR TO THE INSTALLATION OF CONDUITS. ALL WORKS ARE TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- WHEN ROADS ARE TRUNCATED AGAINST RISING LAND PENDING DEVELOPMENT OF FUTURE STAGES, TEMPORARY A.G. DRAINS SHALL BE INSTALLED ACROSS THE END OF THE ROAD TO PREVENT SEEPAGE INTO PAVEMENT.
- SUBSURFACE DRAINS ARE TO BE LAID BEHIND ALL KERB AND CHANNEL AS PER EDM 202.
- ALL ALLOTMENTS TO BE GRADED AT A MINIMUM OF 1 IN 150 TO THE LOW CORNER. WHERE NOT POSSIBLE AN INVERT LEVEL FOR THE PROPERTY INLET OR HOUSE DRAIN IS INDICATED ON THE PLAN.
- ALL DIMENSIONS AND RADII ARE GIVEN TO LIP OF KERBS, CHANGES ARE WITH RESPECT TO CENTRE LINE OF ROAD RESERVE, UNLESS OTHERWISE SHOWN.
- PRIOR TO COMMENCING WORK ON TRENCHES IN EXCESS OF 1.50m DEEP, NOTICE OF SUCH PROPOSAL IS TO BE SENT TO THE SECRETARY OF MINERALS AND ENERGY IN ACCORDANCE WITH CLAUSE 202 OF THE MINES (TRENCHES) REGULATIONS 1982. A FOREMAN QUALIFIED AS A MINES MANAGER MUST BE IN ATTENDANCE AT ALL TIMES DURING SUCH EXCAVATION WORKS.
- ALL DRIVEWAYS ARE TO BE 3.5m WIDE AND OFFSET 0.15m FROM THE SIDE BOUNDARY OR EASEMENT, UNLESS OTHERWISE SHOWN - REFER EDM 501 & 502. DRIVEWAY LAYBACK AND WINGS TO BE CONSTRUCTED AS A SINGLE SEGMENT OF CONCRETE.
- ACCESS RAMPS (DRIVEWAYS INTO LOTS) SHOULD HAVE A MAXIMUM GRADE OF 1 IN 6.
- THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL NECESSARY SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP THE WORKS IN A SAFE AND STABLE CONDITION TO PROTECT THE PUBLIC FROM THE WORKS.

- NBN TO BE NOTIFIED AT LEAST SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
- SIGNS, LINEMARKING AND DELINEATORS ARE TO BE INSTALLED AS APPLICABLE ON ROADS IN ACCORDANCE WITH A.S.1742.2
- PERMANENT SURVEY MARK SKETCH PLANS ARE TO BE PREPARED ESTABLISHING A.H.D. LEVELS AND A.M.C. CO-ORDINATES FOR REGISTRATION WITH THE C.P.O. BY A LICENSED SURVEYOR.
- SERVICE CONDUITS ARE TO BE INSTALLED AT THE LOCATIONS SHOWN ON THIS DRAWING. THE MINIMUM OFFSET FROM ANY SIDE BOUNDARY IS 4.00m. LOCATION OF ALL UNDERGROUND SERVICE CONDUITS TO BE MARKED ON KERB & CHANNEL. SERVICE CONDUITS THAT ARE SUBJECT TO AMENDMENT AND SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT.
- STREET SIGNS ARE TO BE PROVIDED TO THE WHITTLESEA CITY COUNCIL STANDARD, INCLUDING THE PROVISION OF LOGOS.
- LOCATION OF ELECTRICITY AND VUF CONDUITS WILL BE PROVIDED ON SEPARATE DRAWINGS.
- FOR THE TERM OF THE CONTRACT PERIOD THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTION TO PREVENT THE EMISSION OF DUST, WHETHER FROM THE OPERATION OF CONSTRUCTION EQUIPMENT OR EXPOSURE OF SOIL TO WINDS.
- APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING CONSTRUCTION AND MAINTENANCE PERIOD.
- ALL EXISTING TREES ARE TO BE PROTECTED DURING CONSTRUCTION.
- ANY TREE REMOVAL MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN OR AS DIRECTED ONSITE BY THE LANDSCAPE APPROVALS OFFICER. TREES SHOWN ON THE PLANS ARE TO BE RETAINED AND PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- ALL ROOTS AND DECOMPOSABLE MATERIAL UNDER ROAD PAVEMENTS SHALL BE REMOVED TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- ALL TREES IN OR ADJACENT TO THE SUBJECT SITE MARKED FOR RETENTION SHALL BE FENCED IN ACCORDANCE WITH SDL 2.02 AND SDL 2.03 (SEE GUIDELINES FOR URBAN DEVELOPMENT) PRIOR TO THE COMMENCEMENT OF WORKS.
- NO SURPLUS TREES OR VEGETATION ARE TO BE BURNT ON SITE.
- CONCRETE IS TO BE PLACED AROUND ELECTRICAL DISTRIBUTION PITS TO A MINIMUM DEPTH OF 125mm.
- DISTRIBUTION PITS WITHIN FOOTPATHS ARE TO A MINIMUM OF 300mm WITHIN THE EDGE OF PATH.
- CONCRETE SHALL BE 25 MPa FOR BOTH KERB & CHANNEL AND FOOTPATH, HAVING A MINIMUM CEMENT CONTENT OF 280kg PER CUBIC METRE.
- THE INFRASTRUCTURE MANAGER OR HIS REPRESENTATIVE SHALL BE GIVE ACCESS TO THE SITE AT ALL TIMES.
- ALL CONSTRUCTION WORKS SHALL BE COMPLETED TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- ON COMMENCEMENT OF CONSTRUCTION WORKS THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE EPA PUBLICATION 'CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL' (PUBLICATION NO. 275).
- ALL TMS AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE CONSULTANT TO ARRANGE REINSTATEMENT AT THE CONTRACTORS EXPENSE.
- NO TOPSOIL IS TO BE REMOVED FROM SITE WITHOUT THE APPROVAL OF COUNCIL.
- FOOTPATHS AND VEHICLE CROSSINGS TO BE DOWELED AT THE END OF EACH DAYS POUR OF CONCRETE.
- ALL PVC STORM WATER DRAINAGE PIPES TO BE SEWER QUALITY PVC.
- NO PVC STORM WATER DRAINAGE PIPES TO BE LAID UNDER ROADS.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
- ANY EXISTING PAVEMENT OR DRAINAGE DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD IS TO BE REINSTATEMENT BY THE CONTRACTOR TO THE SATISFACTION OF THE SUPERINTENDENT.
- PAVEMENT SUB-BASE AND BEDDING TO KERB & CHANNEL IS TO EXTEND 150mm BEHIND BACK OF KERB.
- TACTILE GROUND SURFACE INDICATORS (TGSIs) ARE TO BE INSTALLED WHERE SHOWN IN ACCORDANCE WITH WHITTLESEA COUNCIL STANDARD DRAWING SD320 REV B. DIRECTIONAL TGSi TO BE INSTALLED AS PER COUNCIL STANDARDS.
- FOOTPATH TO BE 125mm DEPTH CONCRETE 25 MPa WITH F72 REINFORCEMENT MESH ON 50mm DEPTH OF CLASS 3 F.C.R. - REFER EDM 401 & 403.
- INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER ON ALL ROAD CENTRELINE AND 'GROUND BALL' MARKER POST TO INDICATE THE LOCATION OF ALL FIREPLUGS.
- UPON COMPLETION OF THE CIVIL WORKS, THE CONTRACTOR SHALL PROVIDE 'AS CONSTRUCTED' PLANS IN A D-SPEC AND R-SPEC DIGITAL FORMAT TO COUNCIL'S REQUIREMENTS AND TO THE SATISFACTION OF ALL PARTIES.
- PRIOR TO THE ISSUE OF STATEMENT OF COMPLIANCE, ALL DRAINS ARE TO BE CCTV TESTED AND THE RESULTS PROVIDED TO COUNCIL.
- ALL LINEMARKING IS TO BE LONG LIFE PAINT.
- NBN PITS ARE TO BE CLEAR OF PATHS.
- ALL PAVEMENT MATERIALS ARE TO BE VICROADS APPROVED MATERIALS.
- THE SELECTION, PLACEMENT AND COMPACTION OF FILLING FOR ROADWORKS SHALL BE CARRIED OUT USING TYPE A SELECTED MATERIAL IN ACCORDANCE WITH VICROADS STANDARD SPECIFICATION SECTION 204 - EARTHWORKS CLAUSE 204.10.
- ALL SERVICES ARE TO BE CONSTRUCTED PRIOR TO PLACEMENT OF CAPPING LAYER UNDER ROADS.
- BLASTING REQUIRES BLASTING PERMIT FROM COUNCIL.
- COMPACTION RESULTS OF EASEMENTS TO BE PROVIDED TO COUNCILS CONSTRUCTION ENGINEER.
- A BUILDING PERMIT MUST BE OBTAINED FOR ANY STRUCTURE/RETAINING WALL EXCEEDING 1.0m IN HEIGHT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA. COPY OF BUILDING PERMITS AND 'CERTIFICATE OF COMPLIANCE-CONSTRUCTION' TO BE SUBMITTED TO COUNCIL PRIOR TO 'STATEMENT OF COMPLIANCE'.
- ALL STRUCTURAL WORK MUST BE SUPERVISED BY A QUALIFIED STRUCTURAL ENGINEER.
- SECTIONS OF DRY STONE WALL IDENTIFIED FOR RETENTION SHALL BE FENCED PRIOR TO THE COMMENCEMENT OF WORKS. THIS IS TO ENSURE HERITAGE ASSETS ARE ADEQUATELY PROTECTED.



LOCALITY PLAN

Sheet List Table

Sheet Title	Sheet Description	Revision
R100	COVER SHEET	B
R200	DEMOLITION PLAN - OVERALL	B
R201	DEMOLITION PLAN - 01	B
R202	DEMOLITION PLAN - 02	B
R203	DEMOLITION PLAN - 03	B
R300	PAVEMENT PLAN	B
R400	LAYOUT PLAN - OVERALL	B
R401	LAYOUT PLAN - 01	B
R402	LAYOUT PLAN - 02	B
R403	LAYOUT PLAN - 03	B
R500	INTERSECTION DETAILS - 01	B
R501	INTERSECTION DETAILS - 02	B
R600	LONG SECTION - 01	B
R601	LONG SECTION - 02	B
R700	CROSS SECTIONS - 01	B
R701	CROSS SECTIONS - 02	B
R702	CROSS SECTIONS - 03	B
R703	CROSS SECTIONS - 04	B
R704	CROSS SECTIONS - 05	B
R705	CROSS SECTIONS - 06	B
R706	CROSS SECTIONS - 07	B
R707	CROSS SECTIONS - 08	B
R708	CROSS SECTIONS - 09	B
R709	CROSS SECTIONS - 10	B
R710	CROSS SECTIONS - 11	B
R800	DRAINAGE LONG SECTION - 01	B
R801	DRAINAGE LONG SECTION - 02	B
R802	PIT SCHEDULE	B
R900	TYPICAL DETAILS - 01	B
R901	TYPICAL DETAILS - 02	B
R902	TYPICAL DETAILS - 03	B
R1000	SIGNAGE & LINEMARKING PLAN - OVER.	B
R1001	SIGNAGE & LINEMARKING PLAN - 01	B
R1002	SIGNAGE & LINEMARKING PLAN - 02	B
R1003	SIGNAGE & LINEMARKING PLAN - 03	B
R1100	STRATAVAULT PLAN	B

WARNING
Beware of Underground & Overhead Services
 THE LOCATIONS OF UNDERGROUND & OVERHEAD SERVICES ARE APPROXIMATE ONLY & THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. LOCATE ALL UNDERGROUND SERVICES BEFORE COMMENCEMENT OF WORKS
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER	
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.		<p>Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002</p>	PAKENHAM REVITALISATION PROJECT STAGE 1 - MAIN STREET	ISSUED FOR APPROVAL NOT FOR CONSTRUCTION	M.PLANT	A.WALE	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.					M.PLANT	M.TROUNCE	
										PROJECT No.	DRAWING No.	REVISION
										240064	R100	B

LEGEND - DEMOLITION PLAN

- S — STORMWATER DRAIN, PIT & PROPERTY INLET
- Ex D — EXISTING STORMWATER DRAIN
- Ex S — EXISTING SEWER
- Ex E — EXISTING ELECTRICITY (UNDERGROUND)
- OHE — EXISTING ELECTRICITY (OVERHEAD)
- Ex G — EXISTING GAS
- Ex O — EXISTING OPTIC FIBRE
- Ex T — EXISTING TELSTRA
- Ex W — EXISTING WATER
- — LIMIT OF WORKS



NOTE:
REFER ENERGY SAFE VICTORIA FOR 'NO GO ZONES' AND SPECIFIC GUIDELINES FOR WORKING UNDER AND WITHIN CLOSE PROXIMITY TO OVERHEAD POWERLINES.

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
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DIAL 1100 BEFORE YOU DIG
www.1100.com.au

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	



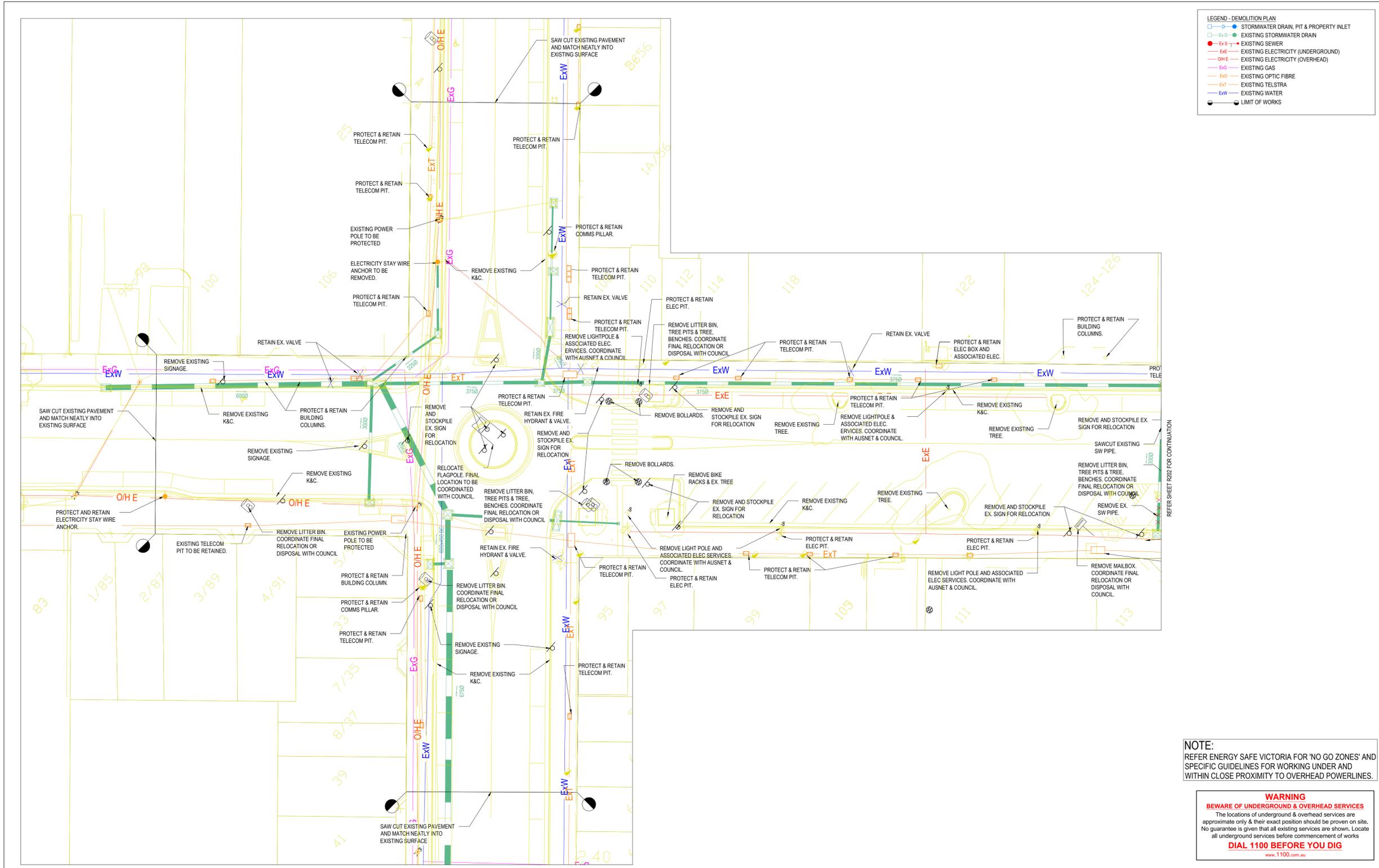
PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT
DEMOLITION PLAN - OVERALL**

STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:500
0 5 10 20 30

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. REVISION R200 B



NOTE:
REFER ENERGY SAFE VICTORIA FOR 'NO GO ZONES' AND SPECIFIC GUIDELINES FOR WORKING UNDER AND WITHIN CLOSE PROXIMITY TO OVERHEAD POWERLINES.

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	



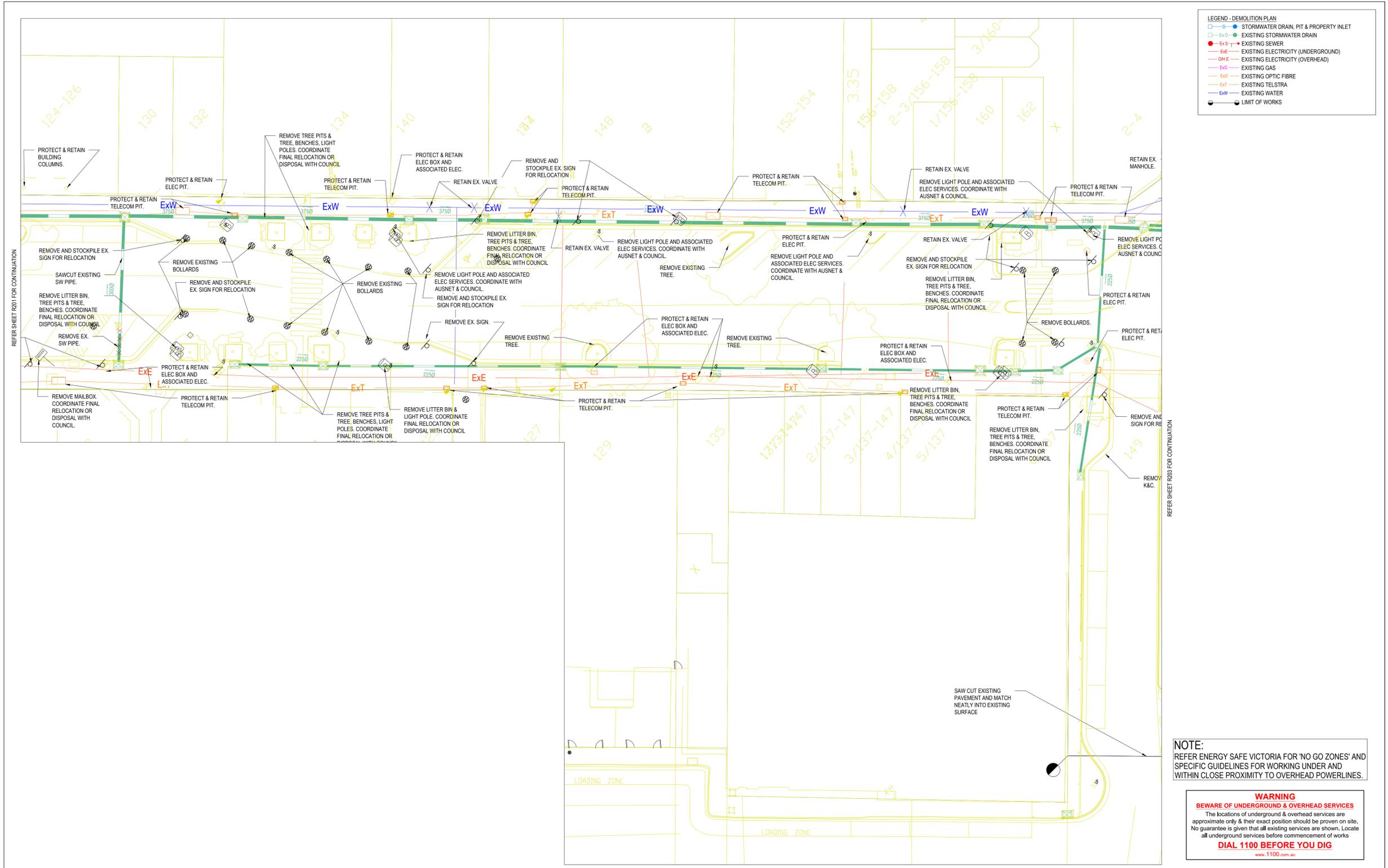
PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT
DEMOLITION PLAN - 01**

STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:200
0 2 4 6 8 10

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. R201
	REVISION B



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	



PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT
DEMOLITION PLAN - 02**

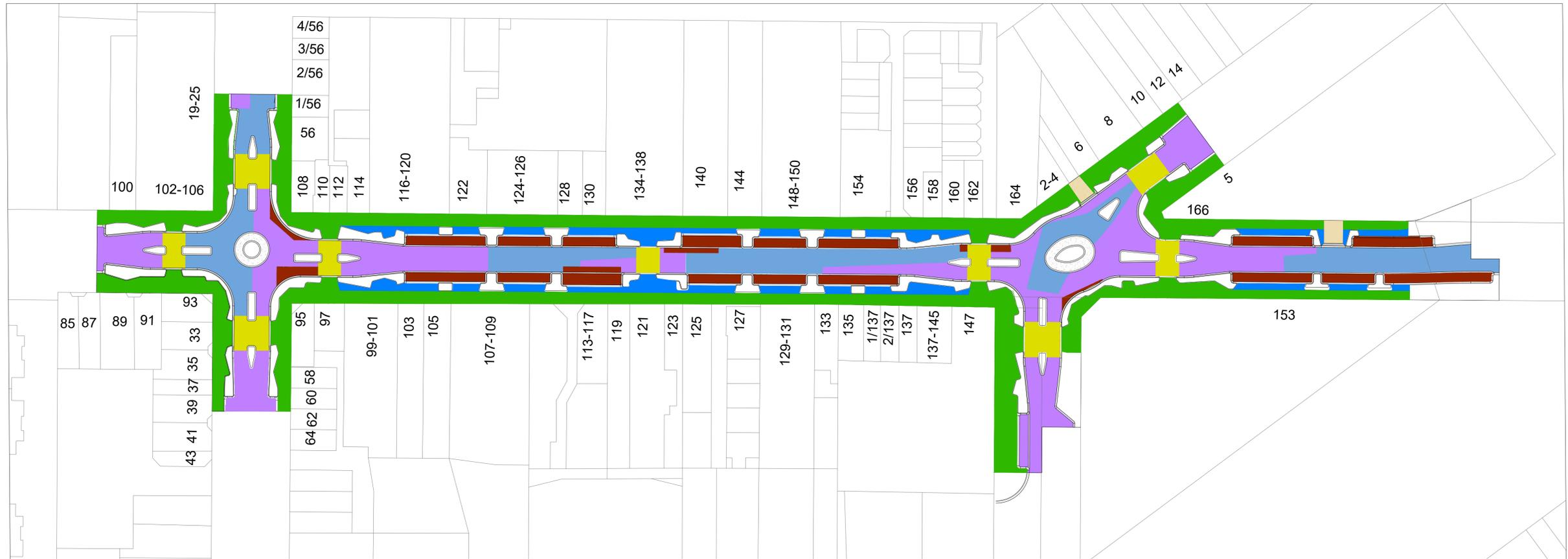
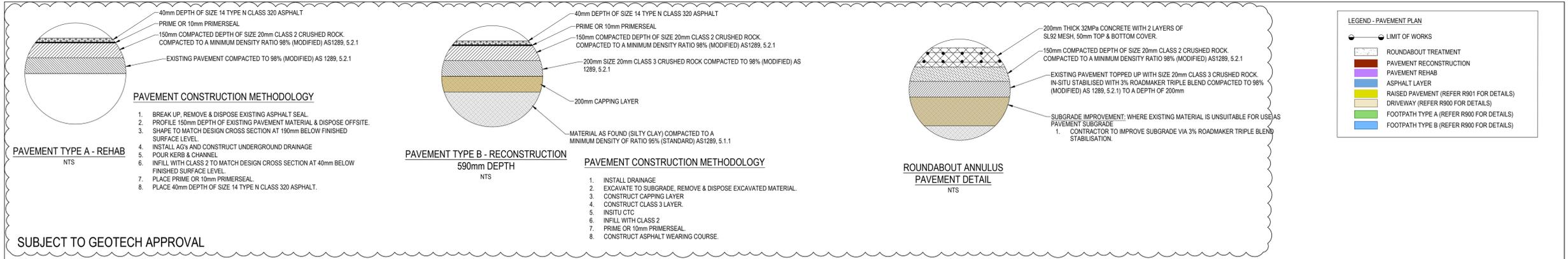
STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:200

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TRONCE
PROJECT No. 240064	DRAWING No. R202
	REVISION B

NOTE:
REFER ENERGY SAFE VICTORIA FOR 'NO GO ZONES' AND SPECIFIC GUIDELINES FOR WORKING UNDER AND WITHIN CLOSE PROXIMITY TO OVERHEAD POWERLINES.

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	



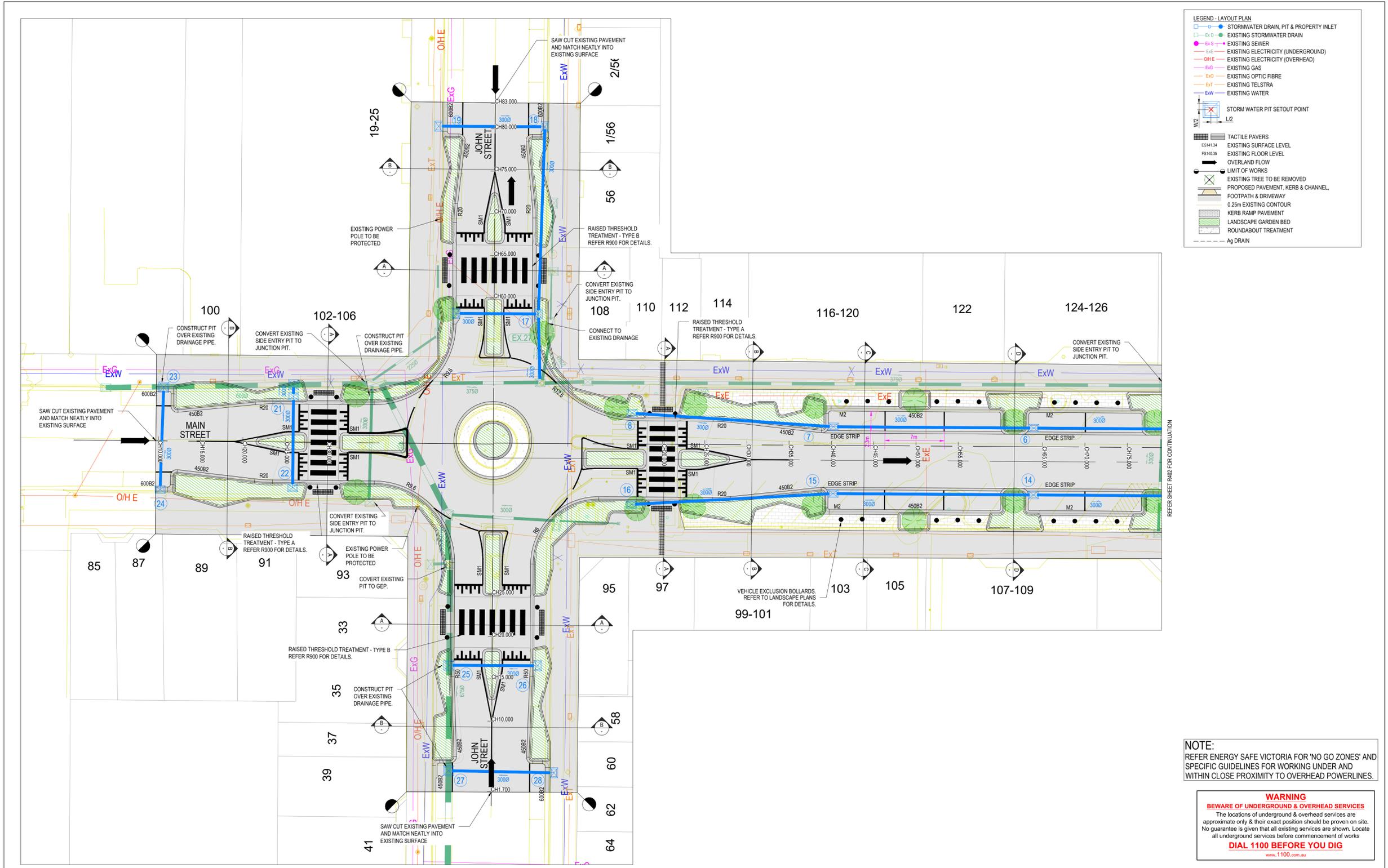
PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT
PAVEMENT PLAN**

STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:500
0 5 10 20 30

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. R300
	REVISION B



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.



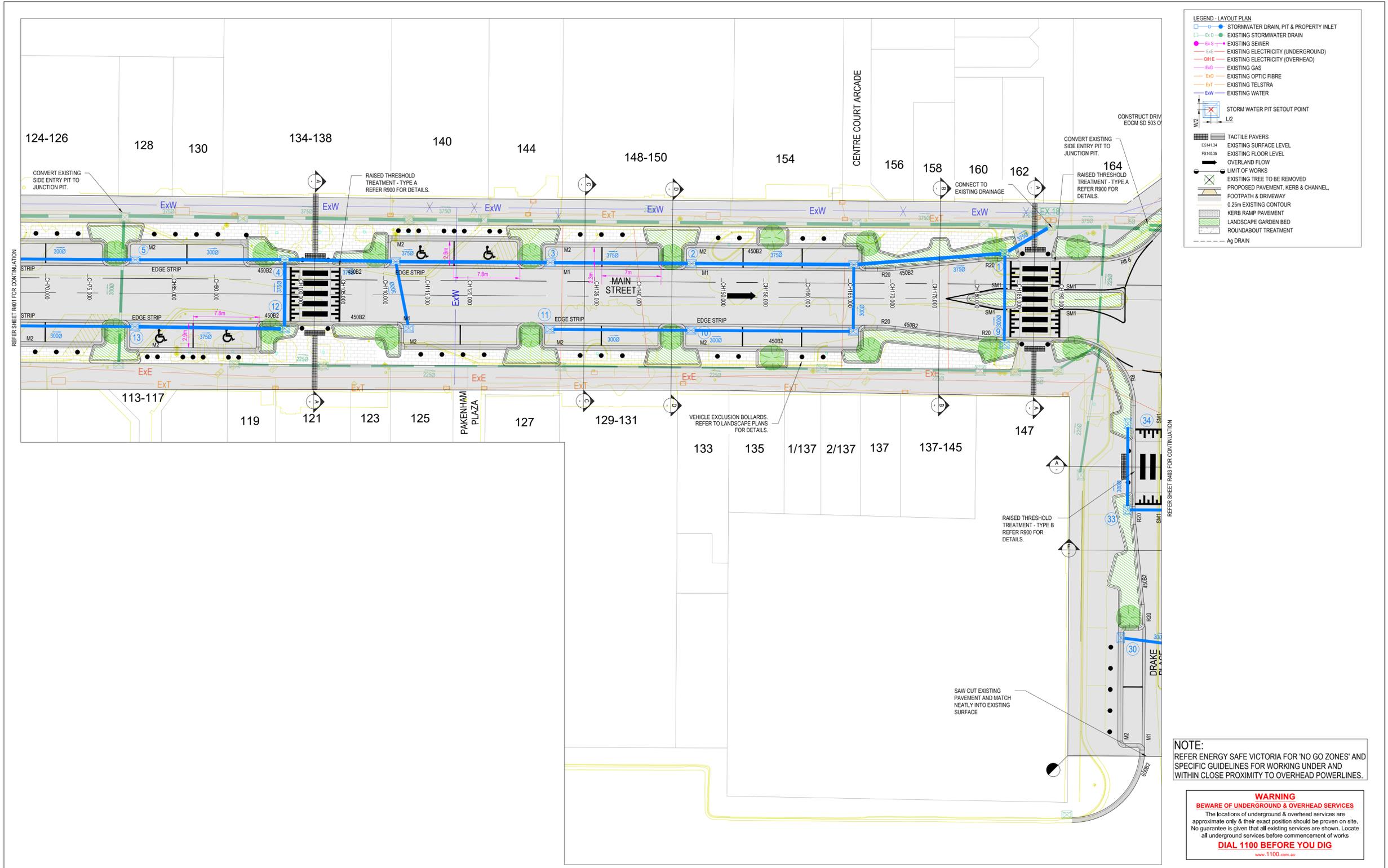
PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT
LAYOUT PLAN - 01**

STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:200

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. R401
	REVISION B



LEGEND - LAYOUT PLAN

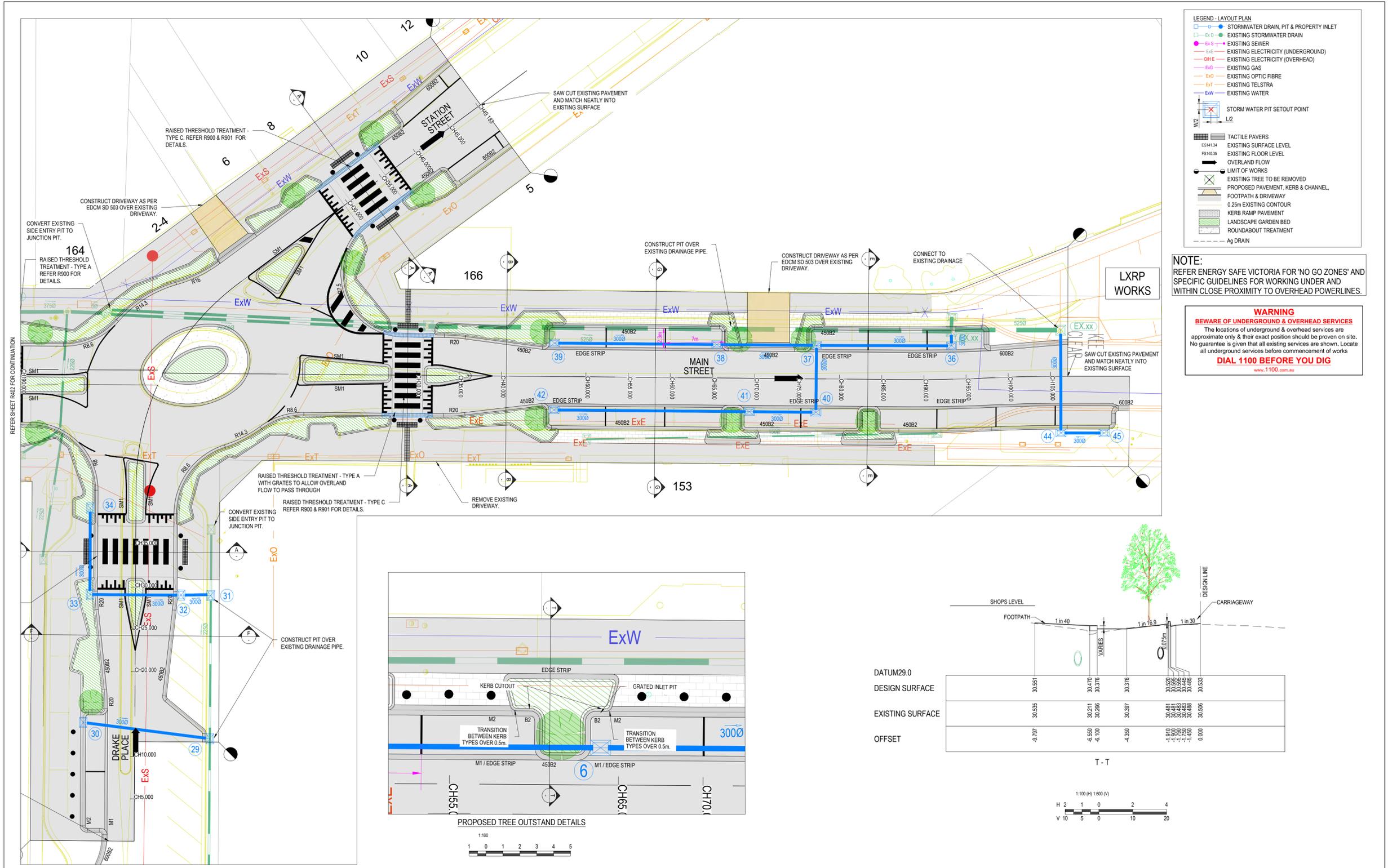
- Stormwater Drain, Pit & Property Inlet
- Existing Stormwater Drain
- Existing Sewer
- Existing Electricity (Underground)
- Existing Electricity (Overhead)
- Existing Gas
- Existing Optic Fibre
- Existing Telstra
- Existing Water
- Storm Water Pit Setout Point
- Tactile Pavers
- Existing Surface Level
- Existing Floor Level
- Overland Flow
- Limit of Works
- Existing Tree to be Removed
- Proposed Pavement, Kerb & Channel
- Footpath & Driveway
- 0.25m Existing Contour
- Kerb Ramp Pavement
- Landscape Garden Bed
- Roundabout Treatment
- Ag Drain

NOTE:
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	

	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002	PROJECT PAKENHAM REVITALISATION PROJECT STAGE 1 - MAIN STREET	DRAWING TITLE PAKENHAM REVITALISATION PROJECT LAYOUT PLAN - 02	STATUS ISSUED FOR APPROVAL NOT FOR CONSTRUCTION	DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
		SCALE @ A1: 1:200 	DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE	PROJECT No. 240064	DRAWING No. R402



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	



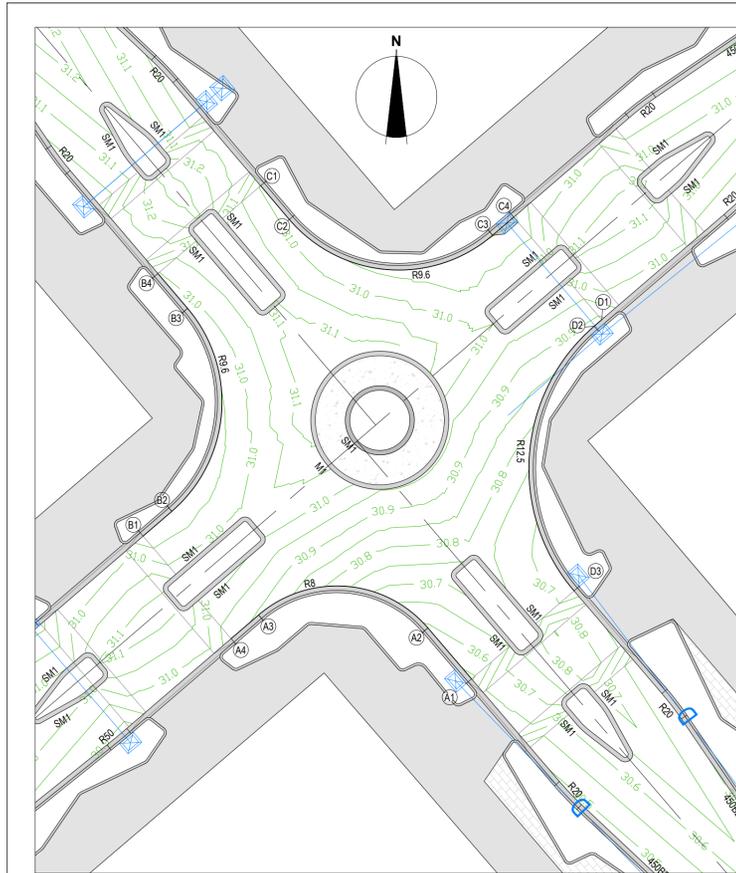
PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT
LAYOUT PLAN - 03**

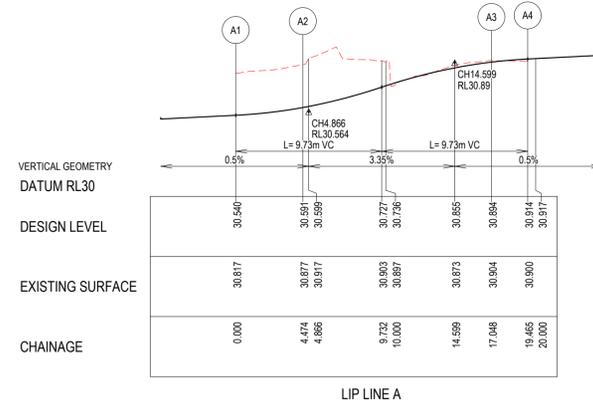
STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:200

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. R403
	REVISION B



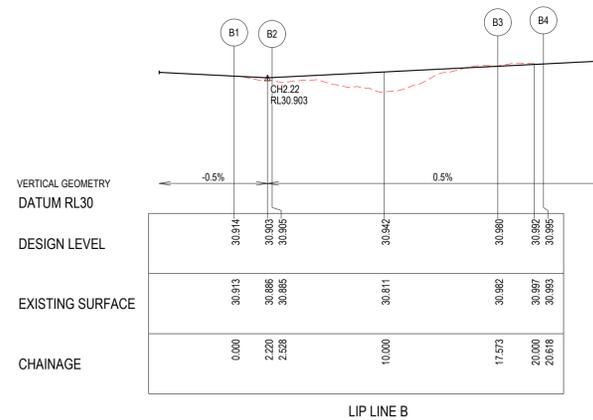
MAIN ST & JOHN ST INTERSECTION
1:200



ALIGNMENT A

PT NO	EASTING	NORTHING	RL
A1	366851.443	5784461.39	30.54
A2	366848.53	5784464.786	30.591
A3	366837.244	5784465.646	30.894
A4	366835.411	5784464.071	30.914

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
A2 - A3	90.05	8	12.573	2.346	1.736	3.063	2.596	3.143	30.76



ALIGNMENT B

PT NO	EASTING	NORTHING	RL
B1	366829.542	5784470.895	30.914
B2	366831.459	5784472.542	30.905
B3	366832.508	5784486.054	30.98
B4	366830.532	5784488.371	30.995

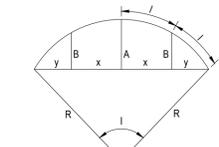
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
B2 - B3	89.795	9.6	15.045	2.8	2.072	3.666	3.11	3.761	30.942

LEGEND - INTERSECTION PLAN

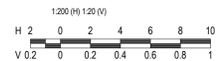
- Stormwater Drain & Pit
- Tactile Pavers
- Proposed Pavement, Kerb & Channel
- Footpath & Driveaway
- Crown
- Minor Contour
- Major Contour

LEGEND - SECTION

- Existing Surface
- Design Line

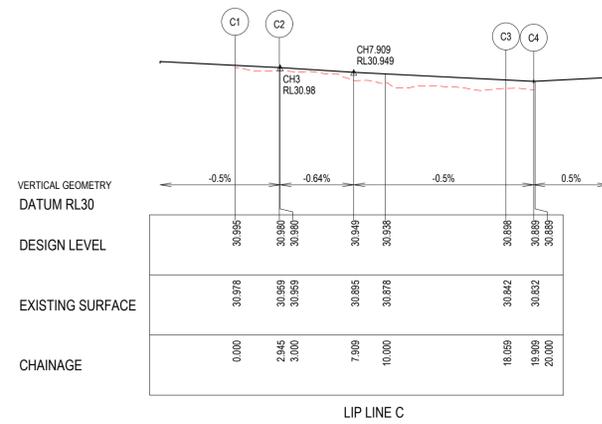


LIP PROFILE SETOUT



NOTE
FOR SIGNS & LINEMARKING PLAN
REFER SHEETS R1000.

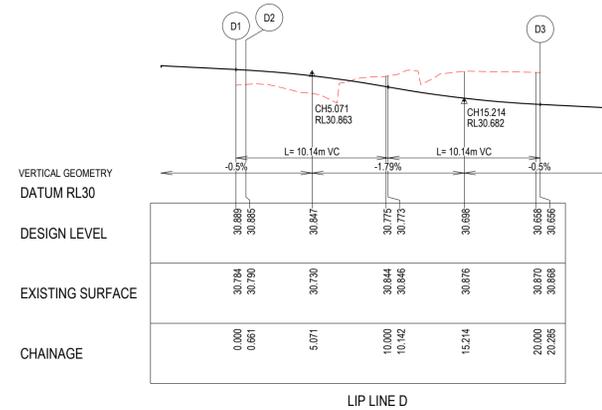
WARNING
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ALIGNMENT C

PT NO	EASTING	NORTHING	RL
C1	366837.379	5784494.211	30.995
C2	366839.29	5784491.971	30.98
C3	366852.85	5784490.919	30.899
C4	366854.254	5784492.125	30.889

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
C2 - C3	90.204	9.6	15.114	2.824	2.09	3.682	3.119	3.778	30.94



ALIGNMENT D

PT NO	EASTING	NORTHING	RL
D1	366860.119	5784485.298	30.949
D2	366859.617	5784484.868	30.945
D3	366858.274	5784467.249	30.656

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
D2 - D3	89.95	12.5	19.624	3.657	2.707	4.781	4.054	4.906	30.795

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.

CLIENT

creo CONSULTANTS

Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

PROJECT

**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE

**PAKENHAM REVITALISATION PROJECT -
INTERSECTION DETAILS - 01**

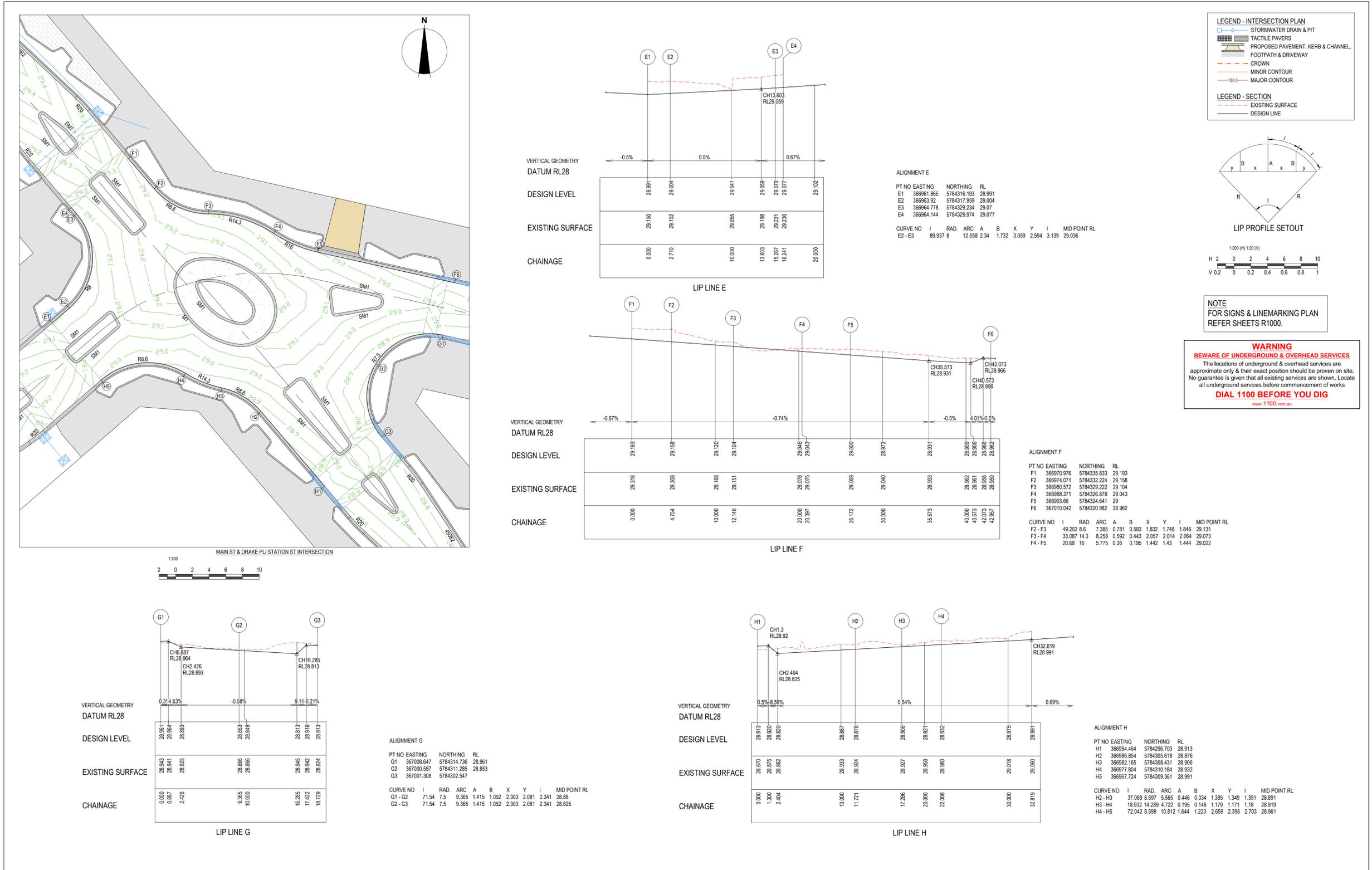
STATUS

**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1:

AS SHOWN

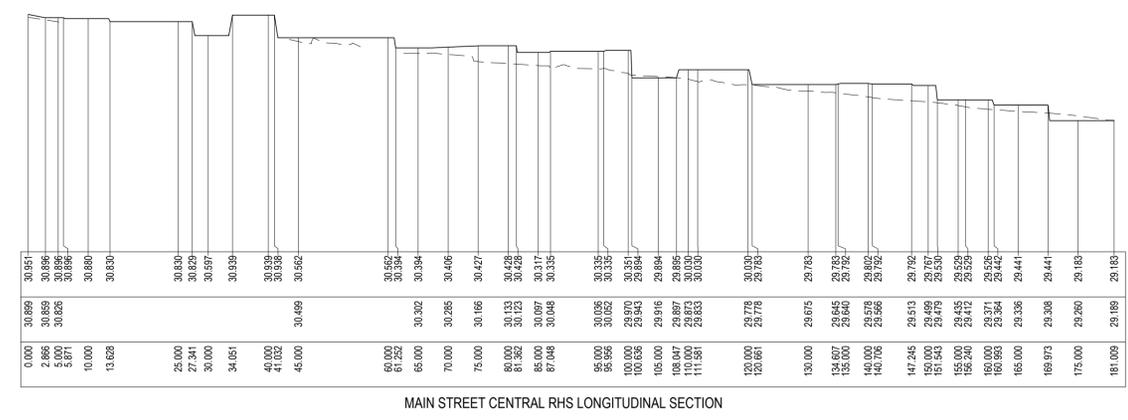
DESIGNED	M.PLANT	PROJECT ENGINEER	A.WALE
DRAWN	M.PLANT	PROJECT MANAGER	M.TROUNCE
PROJECT NO.	240064	DRAWING NO.	R500
REVISION			B



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.			PAKENHAM REVITALISATION PROJECT - STAGE 1 - MAIN STREET PAKENHAM REVITALISATION PROJECT - INTERSECTION DETAILS - 02	ISSUED FOR APPROVAL NOT FOR CONSTRUCTION	M.PLANT	A.WALE
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.					M.PLANT	M.TROUNCE
SCALE @ A1: AS SHOWN										PROJECT No:	REVISION
										240064	R501
											B

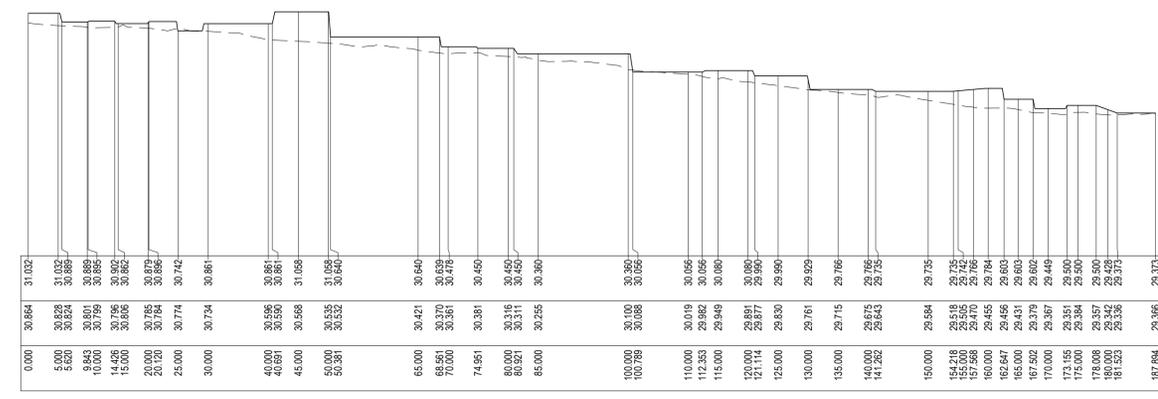
LEGEND
 - - - - - EXISTING FOOTPATH LEVEL AT BOUNDARY LINE
 - - - - - EXISTING SHOP FLOOR LEVEL

DATUM RL27
 EXISTING SHOP FLOOR LEVEL
 EXISTING FOOTPATH LEVEL AT BOUNDARY LINE
 CHAINAGE



MAIN STREET CENTRAL RHS LONGITUDINAL SECTION

DATUM RL27
 EXISTING SHOP FLOOR LEVEL
 EXISTING FOOTPATH LEVEL AT BOUNDARY LINE
 CHAINAGE



MAIN STREET CENTRAL LHS LONGITUDINAL SECTION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.

CLIENT

creo CONSULTANTS
 Level 7, 176 Wellington Parade
 East Melbourne, VIC, Australia 3002

PROJECT
**PAKENHAM REVITALISATION PROJECT
 STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT -
 LONG SECTION - 01**

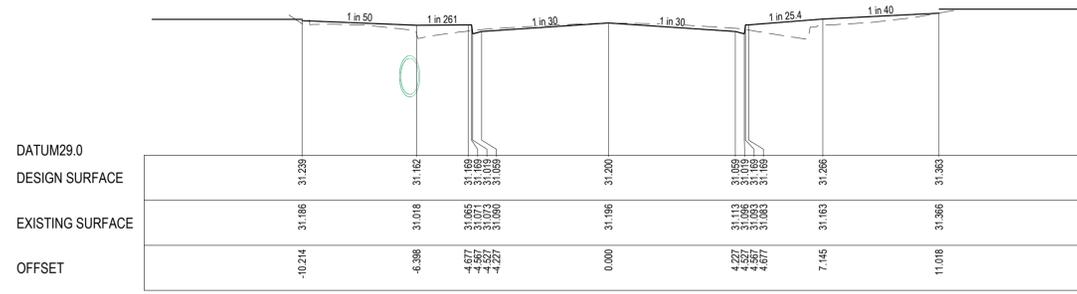
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 NOT FOR CONSTRUCTION**

SCALE @ A1: 1:500 (H) 1:50 (V)

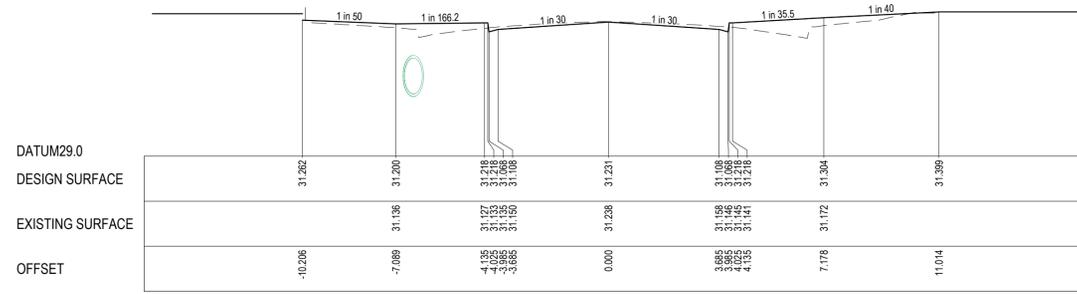
DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. R600
	REVISION B

NOTE:
CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

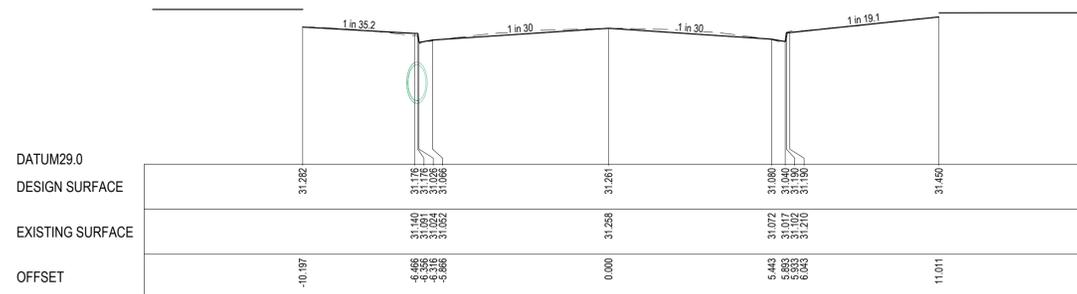
LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	SELECT STRUCTURAL FILL



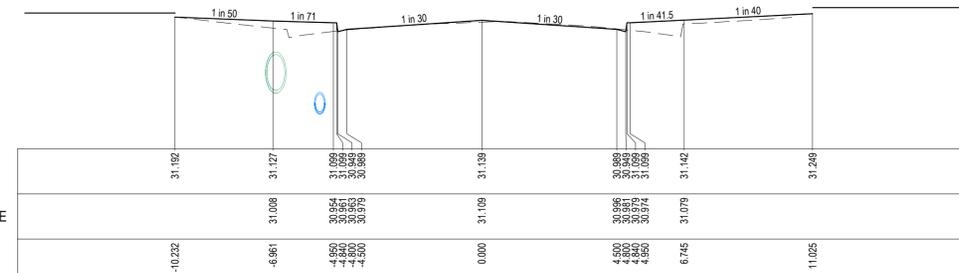
CH 20.000



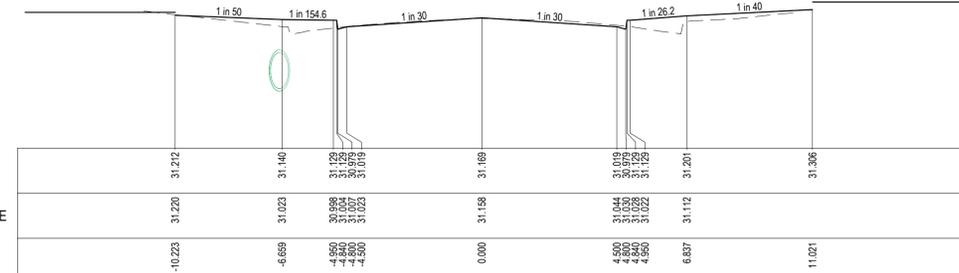
CH 15.000



CH 10.000



CH 30.000



CH 25.000

MAIN STREET

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.



PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

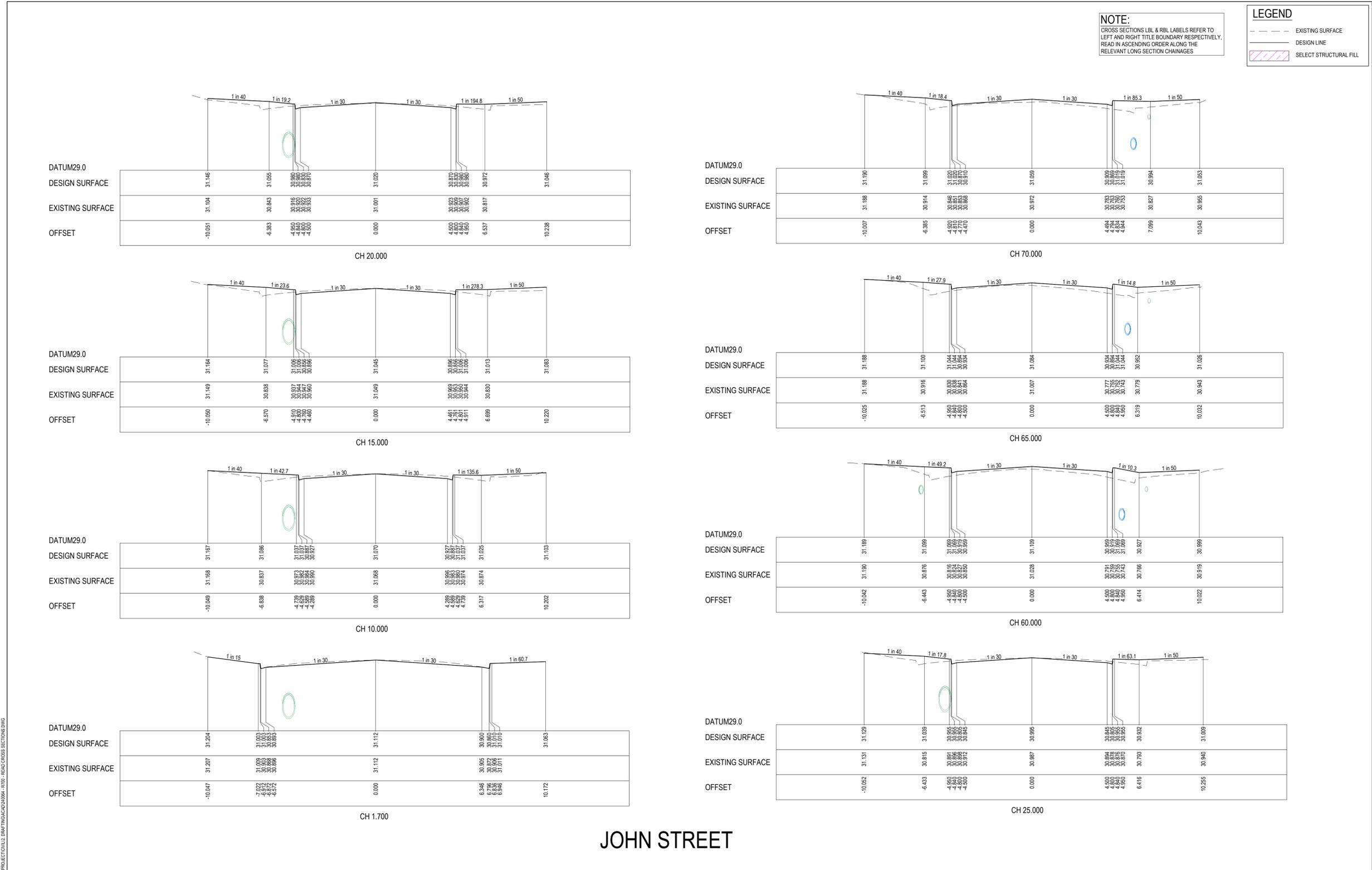
DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT -
CROSS SECTIONS - 01**

STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:100 (H) 1:50 (V)

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. R700
	REVISION B

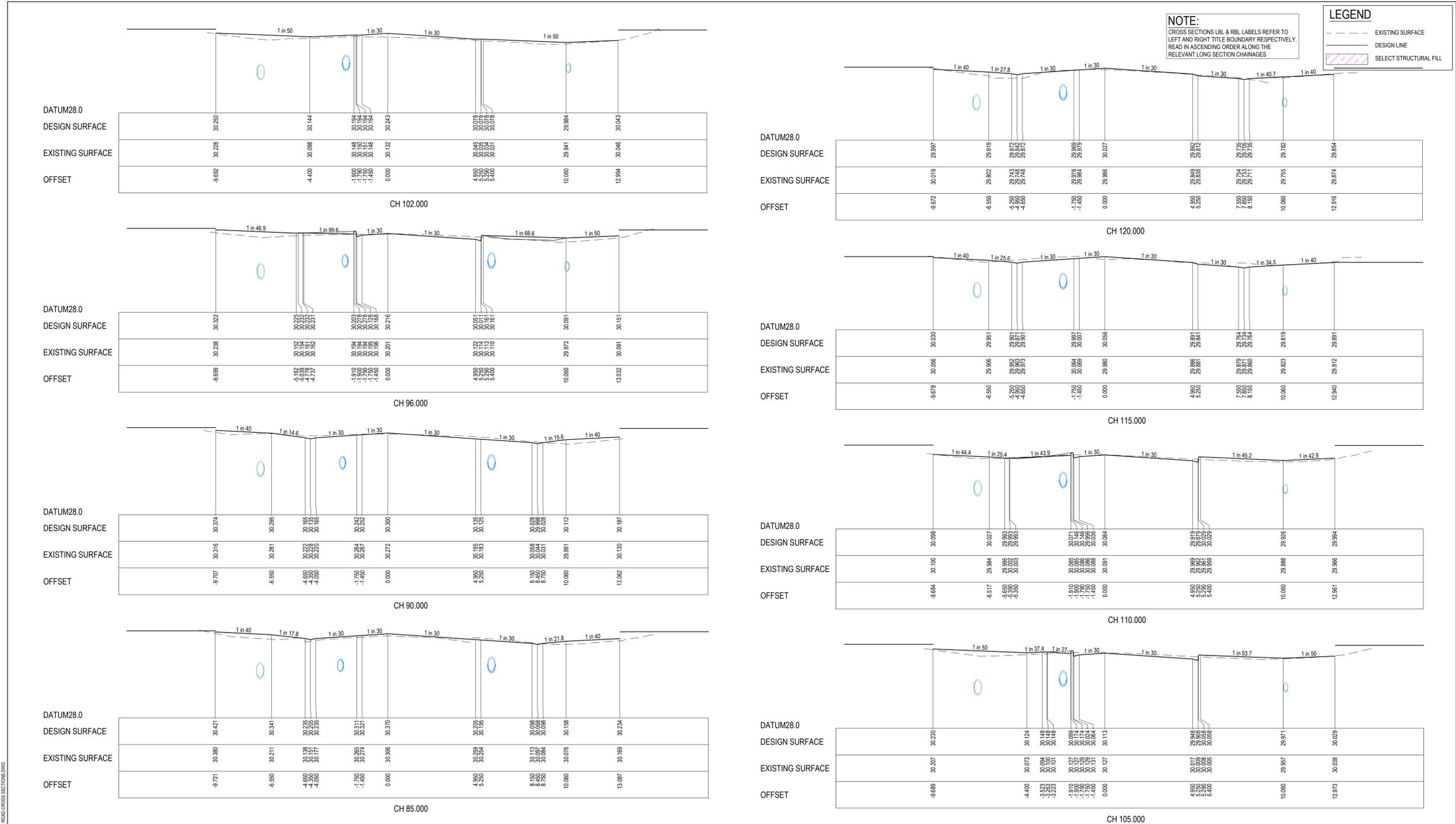
P:\2024\0064 - PAKENHAM REVITALISATION PROJECT\01\2 - DRAFTING\02\0064 - R700 - ROAD CROSS SECTIONS.DWG



JOHN STREET

REVISION B 24/05/24 75% RE-ISSUE A 17/05/24 75% ISSUE			DRAWN M.P. CHECKED M.T. APPROVED M.T.			CLIENT P/2024/0064 - PAKENHAM REVITALISATION PROJECT/DWG DRAFTING/240064 - R001 - ROAD CROSS SECTIONS DWG	PROJECT PAKENHAM REVITALISATION PROJECT STAGE 1 - MAIN STREET	DRAWING TITLE PAKENHAM REVITALISATION PROJECT - CROSS SECTIONS - 02	STATUS SCALE @ A1 : 1:100 (H) 1:50 (V) 	DESIGNED M.PLANT PROJECT MANAGER M.TROUNCE	PROJECT ENGINEER A.WALE PROJECT MANAGER M.TROUNCE
PROJECT No. 240064			DRAWING No. R701			REVISION B					





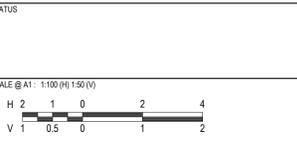
MAIN STREET CENTRAL

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	



PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

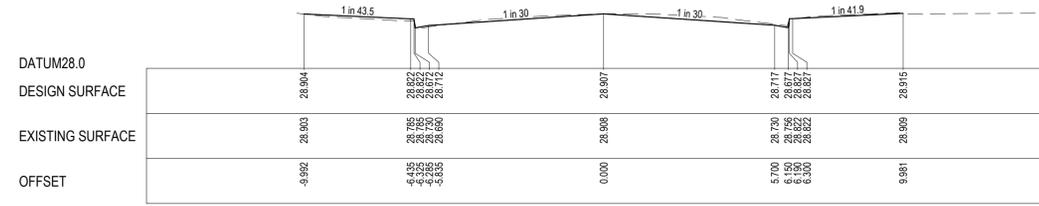
DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT -
CROSS SECTIONS - 05**



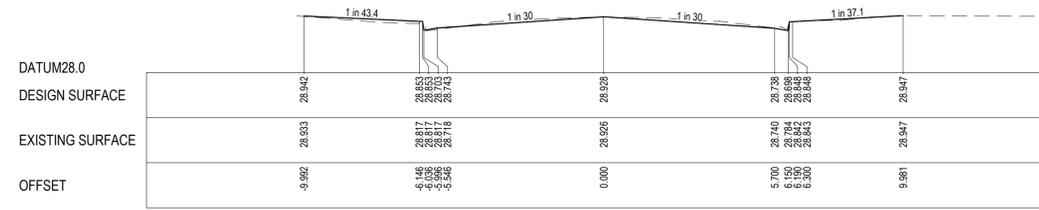
DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. R704
	REVISION B

NOTE:
CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

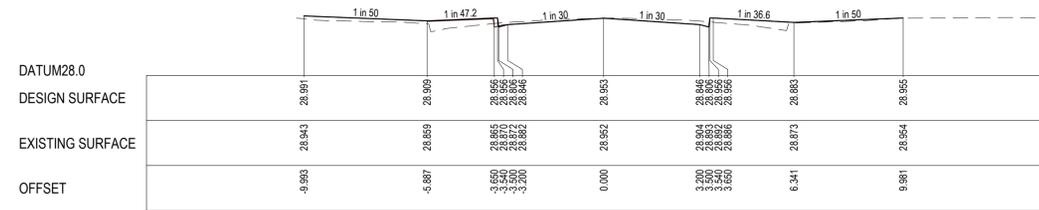
LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	SELECT STRUCTURAL FILL



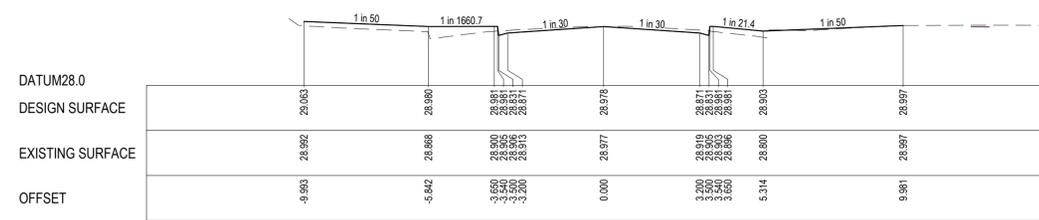
CH 49.183



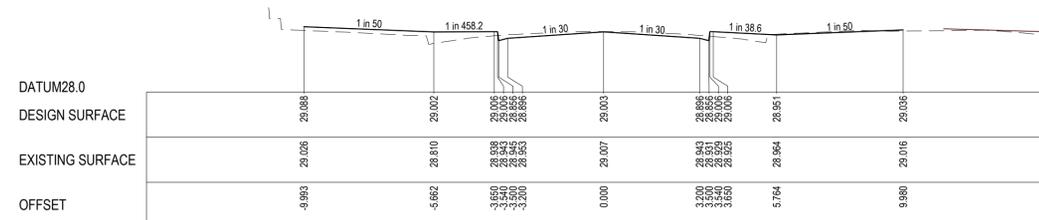
CH 45.000



CH 40.000



CH 35.000



CH 30.000

STATION STREET

P:\2024\0064 - PAKENHAM REVITALISATION PROJECT\02\02 DRAFTING\02\0064 - R700 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	

Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

PROJECT
PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET

DRAWING TITLE
PAKENHAM REVITALISATION PROJECT -
CROSS SECTIONS - 09

STATUS

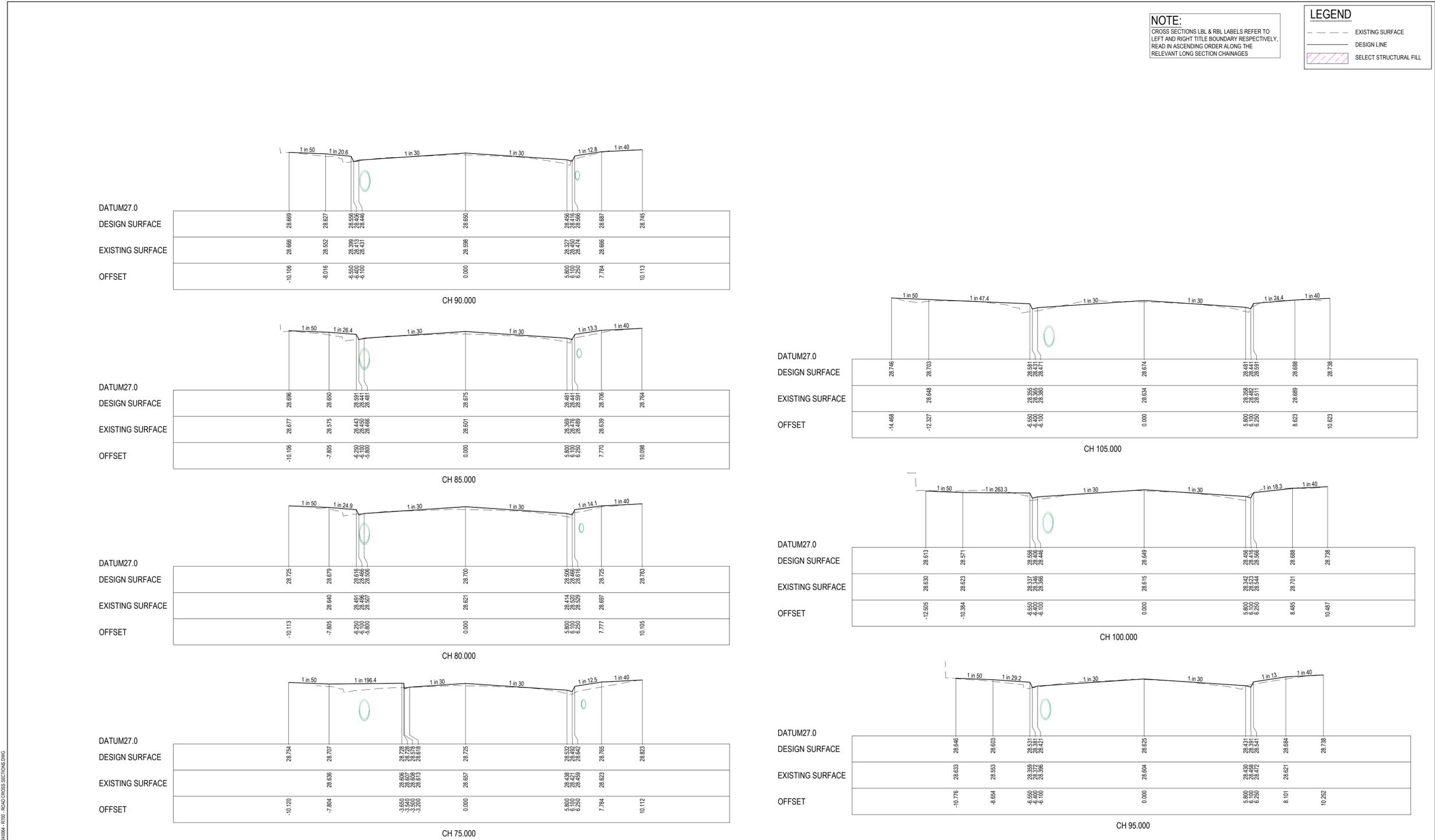
SCALE @ A1 : 1:100 (H) 1:50 (V)

DESIGNED	M.PLANT	PROJECT ENGINEER	A.WALE
DRAWN	M.PLANT	PROJECT MANAGER	M.TROUNCE
PROJECT No.	240064	DRAWING No.	R708
		REVISION	B



MAIN STREET GATEWAY

<table border="1"> <thead> <tr> <th>REVISION</th> <th>DATE</th> <th>ISSUE DESCRIPTION</th> <th>DRAWN</th> <th>CHECKED</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>24/05/24</td> <td>75% RE-ISSUE</td> <td>M.P.</td> <td>M.T.</td> <td>M.T.</td> </tr> <tr> <td>A</td> <td>17/05/24</td> <td>75% ISSUE</td> <td>M.P.</td> <td>M.T.</td> <td>M.T.</td> </tr> </tbody> </table>			REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	<p>CLIENT</p> <p>Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002</p>		<p>PROJECT</p> <p>PAKENHAM REVITALISATION PROJECT STAGE 1 - MAIN STREET</p>		<p>DRAWING TITLE</p> <p>PAKENHAM REVITALISATION PROJECT - CROSS SECTIONS - 10</p>		<p>STATUS</p> <p>SCALE @ A1: 1:100 (H) 1:50 (V)</p>		<p>DESIGNED</p> <p>M.PLANT</p>		<p>PROJECT ENGINEER</p> <p>A.WALE</p>	
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED																											
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.																											
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.																											
										<p>DRAWN</p> <p>M.PLANT</p>		<p>PROJECT MANAGER</p> <p>M.TROUNCE</p>																				
										<p>PROJECT No.</p> <p>240064</p>		<p>DRAWING No.</p> <p>R709</p>		<p>REVISION</p> <p>B</p>																		



MAIN STREET GATEWAY

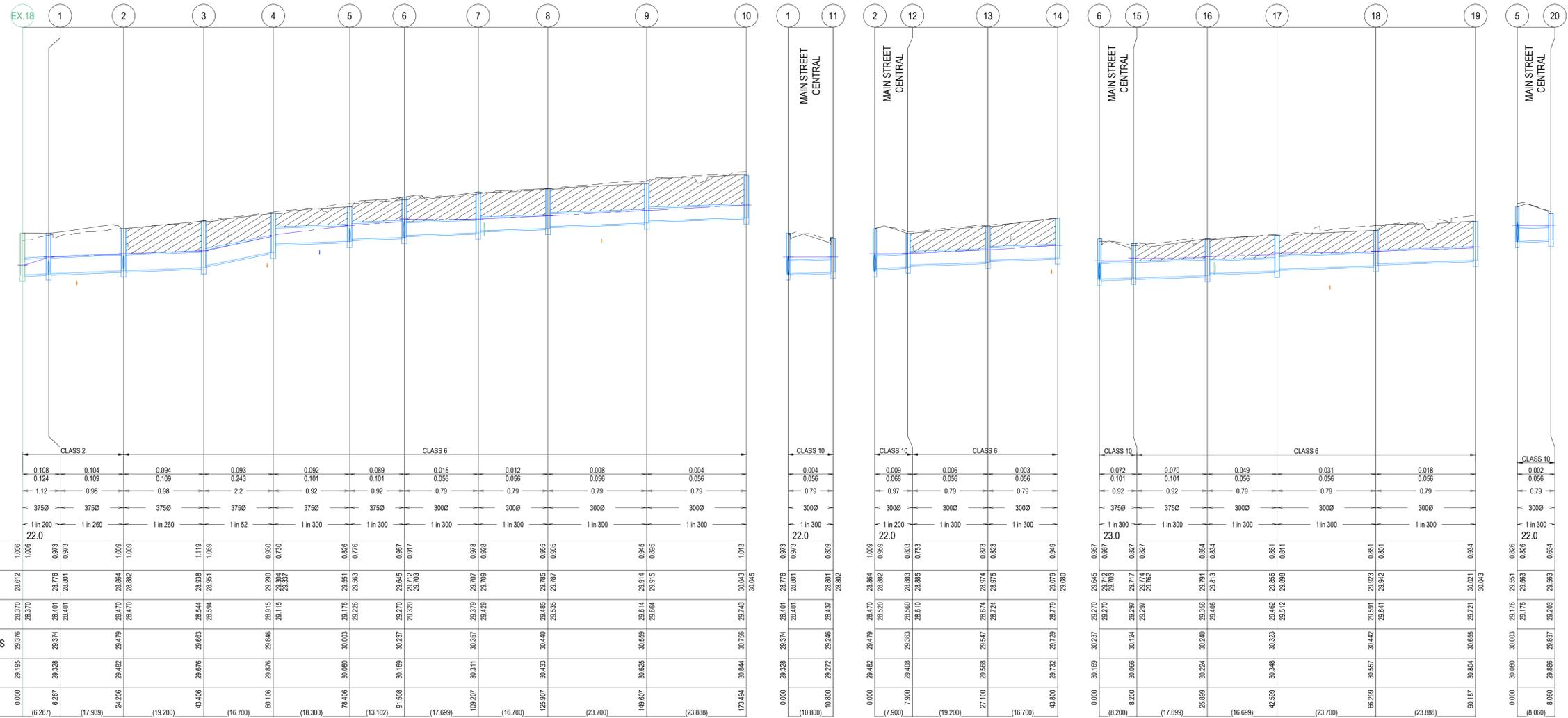
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER	
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	<p>Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002</p>	PAKENHAM REVITALISATION PROJECT STAGE 1 - MAIN STREET	PAKENHAM REVITALISATION PROJECT - CROSS SECTIONS - 11	SCALE @ A1: 1:100 (H) 1:50 (V) 	M.PLANT	A.WALE	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.					M.PLANT	M.TROUNCE	
										PROJECT No:	DRAWING No:	REVISION
										240064	R10	B

LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- INDICATIVE ELECTRICITY
- INDICATIVE GAS
- INDICATIVE OPTIC
- INDICATIVE RECYCLE WATER
- INDICATIVE WATER
- CRUSHED ROCK BACKFILL

NOTE: ALL DRAINAGE PIPES ARE CLASS 2 RCP TYPE UNLESS OTHERWISE SHOWN

DRAINAGE NOTE
REFER SHALLOW TRENCH DETAIL ON R802 FOR CLASS 10 PIPE COVER



DESIGN FLOW (m ³ /s)	0.108	0.104	0.084	0.083	0.052	0.089	0.015	0.012	0.008	0.004
CAPACITY (m ³ /s)	0.124	0.109	0.109	0.243	0.101	0.101	0.056	0.056	0.056	0.056
AT GRADE VELOCITY (m/s)	1.12	0.98	0.98	2.2	0.92	0.92	0.79	0.79	0.79	0.79
PIPE SIZE (mm)	3750	3750	3750	3750	3750	3750	3000	3000	3000	3000
GRADE DATUM	1 in 200	1 in 260	1 in 260	1 in 52	1 in 300					
DEPTH TO INVERT	1.006	1.006	0.973	0.973	1.009	1.119	0.930	0.730	0.945	1.013
HYDRAULIC GRADE LINE	28.612	28.612	28.776	28.801	28.854	28.938	29.290	29.304	29.314	30.043
INVERT LEVEL	28.370	28.370	28.401	28.401	28.479	28.544	28.915	29.115	29.164	29.743
FINISHED SURFACE LEVELS	29.376	29.376	29.374	29.374	29.479	29.663	29.846	30.003	30.059	30.795
EXISTING SURFACE LEVEL	29.195	29.328	29.328	29.328	29.482	29.676	29.876	30.080	30.433	30.844
CHAINAGE (Reach Length)	0.000	6.267	17.939	19.200	43.406	60.106	78.406	113.102	149.607	173.494

DESIGN FLOW (m ³ /s)	0.004	0.009	0.006	0.003	0.007	0.070	0.049	0.031	0.018	0.002
CAPACITY (m ³ /s)	0.056	0.056	0.056	0.056	0.101	0.101	0.056	0.056	0.056	0.056
AT GRADE VELOCITY (m/s)	0.79	0.97	0.79	0.79	0.92	0.92	0.79	0.79	0.79	0.79
PIPE SIZE (mm)	3000	3000	3000	3000	3750	3750	3000	3000	3000	3000
GRADE DATUM	1 in 300	1 in 200	1 in 300							
DEPTH TO INVERT	0.673	0.973	0.939	0.939	0.967	0.967	0.981	0.981	0.981	0.934
HYDRAULIC GRADE LINE	28.776	28.801	28.854	28.882	28.938	29.003	29.070	29.115	29.164	30.043
INVERT LEVEL	28.401	28.401	28.479	28.479	28.544	28.544	28.620	28.620	28.620	29.721
FINISHED SURFACE LEVELS	29.374	29.374	29.479	29.479	29.663	29.846	30.003	30.059	30.442	30.655
EXISTING SURFACE LEVEL	29.328	29.328	29.328	29.328	29.482	29.676	29.876	30.080	30.433	30.844
CHAINAGE (Reach Length)	10.800	10.800	16.700	19.200	27.100	29.597	30.800	30.800	30.800	30.800

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
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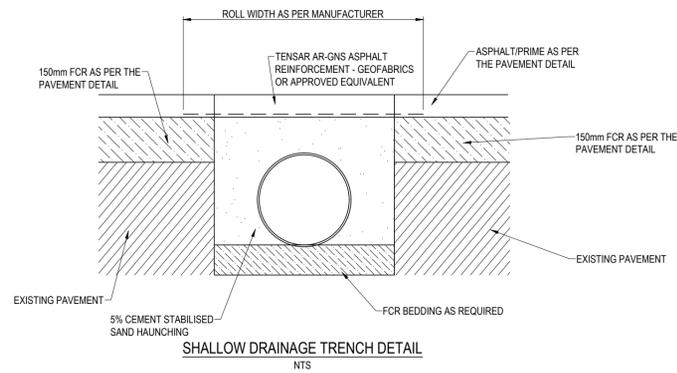
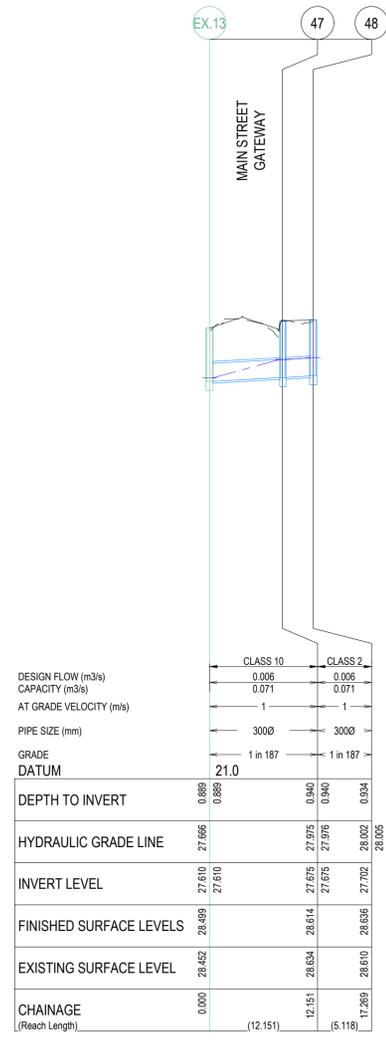
PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT -
DRAINAGE LONG SECTION - 01**

STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:500 (H) 1:50 (V)

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. R800
	REVISION B



PIT SCHEDULE											
PIT NAME	TYPE	INTERNAL WIDTH	INTERNAL LENGTH	INLET DIA	INLET INV LEV	OUTLET DIA	OUTLET INV LEV	PIT SETOUT RL	DEPTH	STD DWG	REMARKS
EX.18	JUNCTION PIT	600	900	375	28.37			29.376	1.006		CONNECT TO EXISTING DRAINAGE
1	GRATED ENTRY PIT	600	900	375	28.401	375	28.401	29.374	0.973	EDCM 601	
2	JUNCTION PIT	600	900	375	28.47	375	28.47	29.479	1.009	EDCM 605	SUPPLY HEAVY DUTY COVER
3	JUNCTION PIT	600	900	375	28.594	375	28.544	29.663	1.119	EDCM 605	SUPPLY HEAVY DUTY COVER
4	JUNCTION PIT	600	900	375	29.115	375	29.915	29.846	0.93	EDCM 605	SUPPLY HEAVY DUTY COVER
5	JUNCTION PIT	600	900	375	29.226	375	29.176	30.003	0.826	EDCM 605	SUPPLY HEAVY DUTY COVER
6	GRATED ENTRY PIT	600	900	300	29.32	375	29.27	30.237	0.967	EDCM 601	
7	JUNCTION PIT	600	900	300	29.429	300	29.379	30.357	0.978	EDCM 605	SUPPLY HEAVY DUTY COVER
8	JUNCTION PIT	600	900	300	29.535	300	29.485	30.44	0.955	EDCM 605	SUPPLY HEAVY DUTY COVER
9	JUNCTION PIT	600	900	300	29.664	300	29.614	30.559	0.945	EDCM 605	SUPPLY HEAVY DUTY COVER
10	GRATED ENTRY PIT	600	900			300	29.743	30.756	1.013	EDCM 601	
11	GRATED ENTRY PIT	600	900			300	28.437	29.246	0.809	EDCM 601	
12	JUNCTION PIT	600	900	300	28.61	300	28.56	29.363	0.803	EDCM 605	SUPPLY HEAVY DUTY COVER
13	JUNCTION PIT	600	900	300	28.724	300	28.674	29.547	0.873	EDCM 605	SUPPLY HEAVY DUTY COVER
14	JUNCTION PIT	600	900			300	28.779	29.729	0.949	EDCM 605	SUPPLY HEAVY DUTY COVER
15	GRATED ENTRY PIT	600	900	375	29.297	375	29.297	30.124	0.827	EDCM 601	
16	JUNCTION PIT	600	900	300	29.406	375	29.356	30.24	0.884	EDCM 605	SUPPLY HEAVY DUTY COVER
17	JUNCTION PIT	600	900	300	29.512	300	29.462	30.323	0.861	EDCM 605	SUPPLY HEAVY DUTY COVER
18	JUNCTION PIT	600	900	300	29.641	300	29.591	30.442	0.851	EDCM 605	SUPPLY HEAVY DUTY COVER
19	GRATED ENTRY PIT	600	900			300	29.721	30.655	0.934	EDCM 601	
20	JUNCTION PIT	600	900			300	29.203	29.837	0.634	EDCM 605	SUPPLY HEAVY DUTY COVER
EX.26	JUNCTION PIT	600	900	300	29.82			30.853	1.083		CONNECT TO EXISTING DRAINAGE
21	GRATED ENTRY PIT	600	900	300	29.903	300	29.853	30.932	1.08	EDCM 601	
22	GRATED ENTRY PIT	600	900	300	30.041	300	29.991	30.733	0.742	EDCM 601	
23	GRATED ENTRY PIT	600	900			300	30.108	30.988	0.879	EDCM 601	
24	GRATED ENTRY PIT	600	900			300	29.955	30.892	0.937	EDCM 601	
25	JUNCTION PIT	900	900	300	30.03			31.153	1.173	EDCM 607	CONSTRUCT OVER EXISTING DRAINAGE
26	GRATED ENTRY PIT	600	900	300	30.087	300	30.037	31.132	1.095	EDCM 601	
27	GRATED ENTRY PIT	600	900			300	30.145	31.14	0.995	EDCM 601	
28	GRATED ENTRY PIT	900	900	300	30.1			31.099	1.049	EDCM 601 & EDCM 607	CONSTRUCT OVER EXISTING DRAINAGE
29	GRATED ENTRY PIT	600	900			300	30.14	31.05	0.91	EDCM 601	
30	GRATED ENTRY PIT	900	900	300	29.79			31.002	1.587	EDCM 601 & EDCM 607	CONSTRUCT OVER EXISTING DRAINAGE
31	GRATED ENTRY PIT	600	900			300	29.846	31	1.154	EDCM 601	
32	GRATED ENTRY PIT	900	900	300	29.78			30.93	1.525	EDCM 601 & EDCM 607	CONSTRUCT OVER EXISTING DRAINAGE
33	GRATED ENTRY PIT	600	900			300	29.847	31.009	1.162	EDCM 601	
34	GRATED ENTRY PIT	600	900	300	28.3			29.212	0.912	EDCM 601	CONSTRUCT OVER EXISTING DRAINAGE
35	GRATED ENTRY PIT	600	900			300	28.381	29.123	0.742	EDCM 601	
36	JUNCTION PIT	600	900	300	28.3			29.263	0.963	EDCM 605	SUPPLY HEAVY DUTY COVER. CONSTRUCT OVER EXISTING DRAINAGE
37	GRATED ENTRY PIT	600	900	300	28.319	300	28.319	29.192	0.874	EDCM 601	
38	GRATED ENTRY PIT	600	900	300	28.366	300	28.366	29.176	0.81	EDCM 601	
39	GRATED ENTRY PIT	600	900			300	28.41	29.091	0.681	EDCM 601	
EX.14	JUNCTION PIT	600	900	300	27.8			28.444	0.644		CONNECT TO EXISTING DRAINAGE
40	GRATED ENTRY PIT	600	900	300	27.806	300	27.806	28.501	0.695	EDCM 601	
41	JUNCTION PIT	600	900	300	27.859	300	27.859	28.582	0.723	EDCM 605	SUPPLY HEAVY DUTY COVER
42	JUNCTION PIT	600	900	300	27.898	300	27.898	28.641	0.742	EDCM 605	SUPPLY HEAVY DUTY COVER
43	JUNCTION PIT	600	900	300	27.962	300	27.962	28.737	0.774	EDCM 605	SUPPLY HEAVY DUTY COVER
44	JUNCTION PIT	600	900	300	27.899	300	27.899	28.582	0.683	EDCM 605	SUPPLY HEAVY DUTY COVER
45	JUNCTION PIT	600	900	300	27.938	300	27.938	28.621	0.683	EDCM 605	SUPPLY HEAVY DUTY COVER
46	JUNCTION PIT	600	900			300	28.015	28.736	0.722	EDCM 605	SUPPLY HEAVY DUTY COVER
EX.13	JUNCTION PIT	600	900	300	27.61			28.499	0.889		CONNECT TO EXISTING DRAINAGE
47	JUNCTION PIT	600	900	300	27.675	300	27.675	28.614	0.94	EDCM 605	SUPPLY HEAVY DUTY COVER
48	GRATED ENTRY PIT	600	900			300	27.702	28.636	0.934	EDCM 601	

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.
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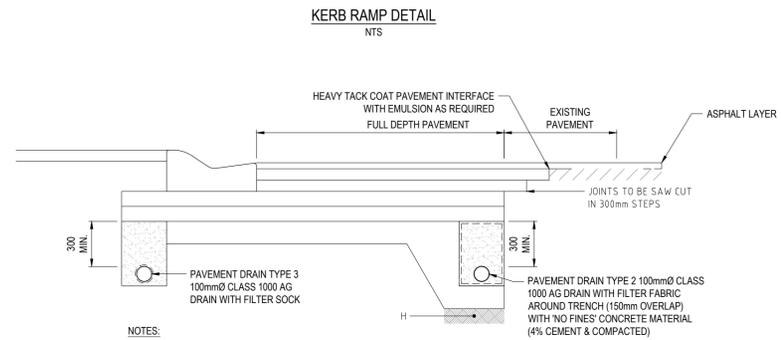
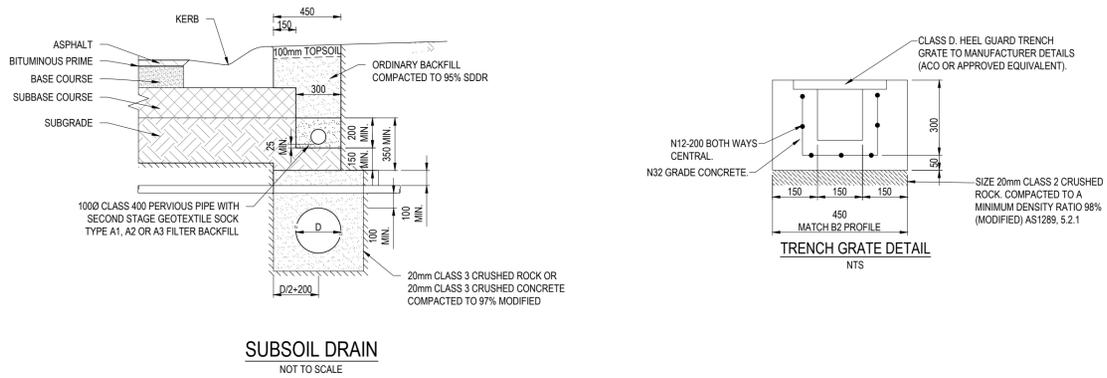
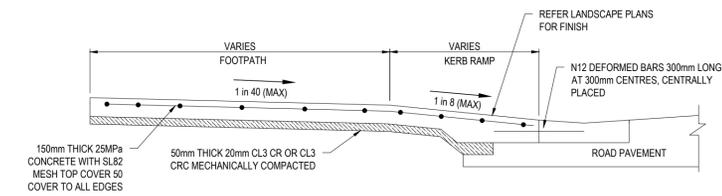
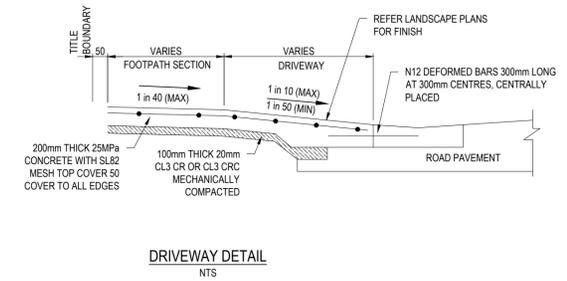
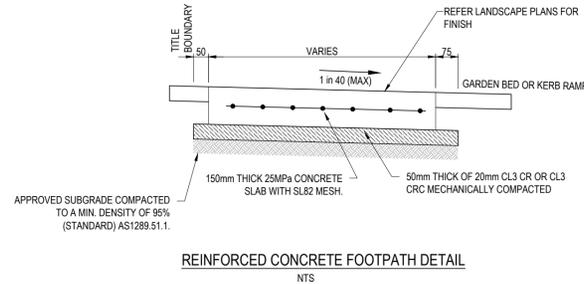
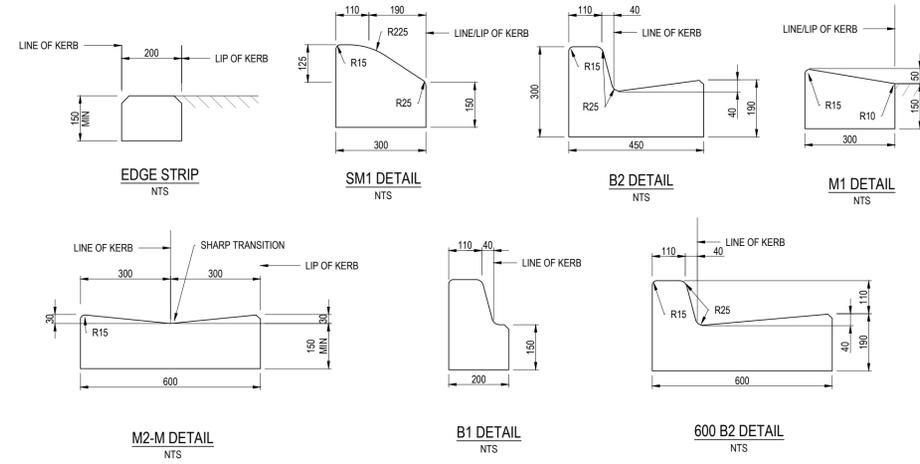
PROJECT
PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET

DRAWING TITLE
PAKENHAM REVITALISATION PROJECT -
PIT SCHEDULE

STATUS
ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

SCALE @ A1: 1:500 (H) 1:50 (V)

DESIGNED	PROJECT ENGINEER	
M.PLANT	A.WALE	
DRAWN	PROJECT MANAGER	
M.PLANT	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
240064	R802	B



- NOTES:
- FOR DETAILS OF SUB-SURFACE DRAINS REFER TO AUSTRROADS PART 10.
 - WEARING COURSE ASPHALT AND USE OF TYPE 'V' ASPHALT, REFER RC 500.22 AND SPECIFICATION 407.
 - FOR DETAILS OF CAPPING LAYER REFER TO VICROADS RC 500.20.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
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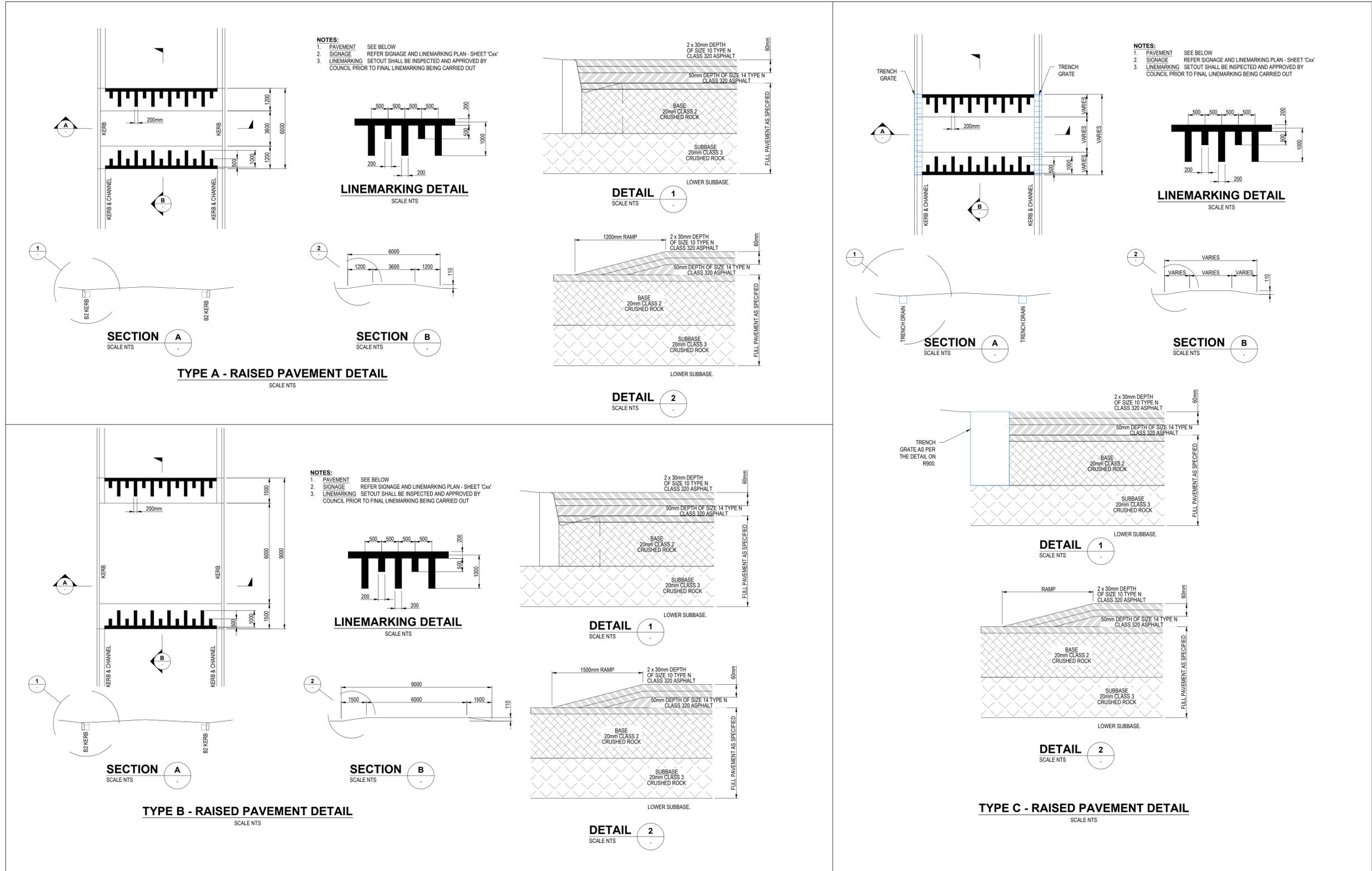
PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT -
TYPICAL DETAILS - 01**

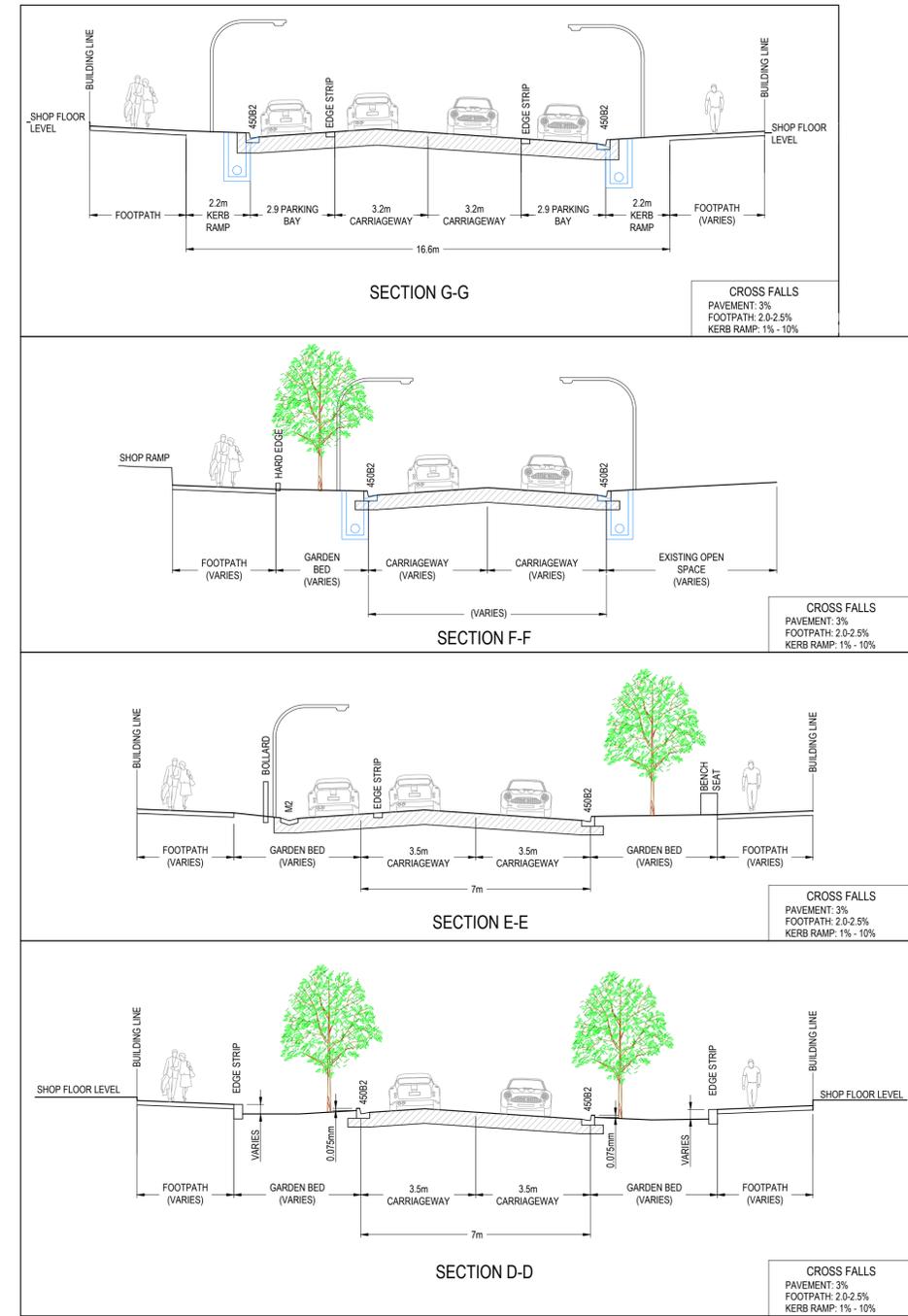
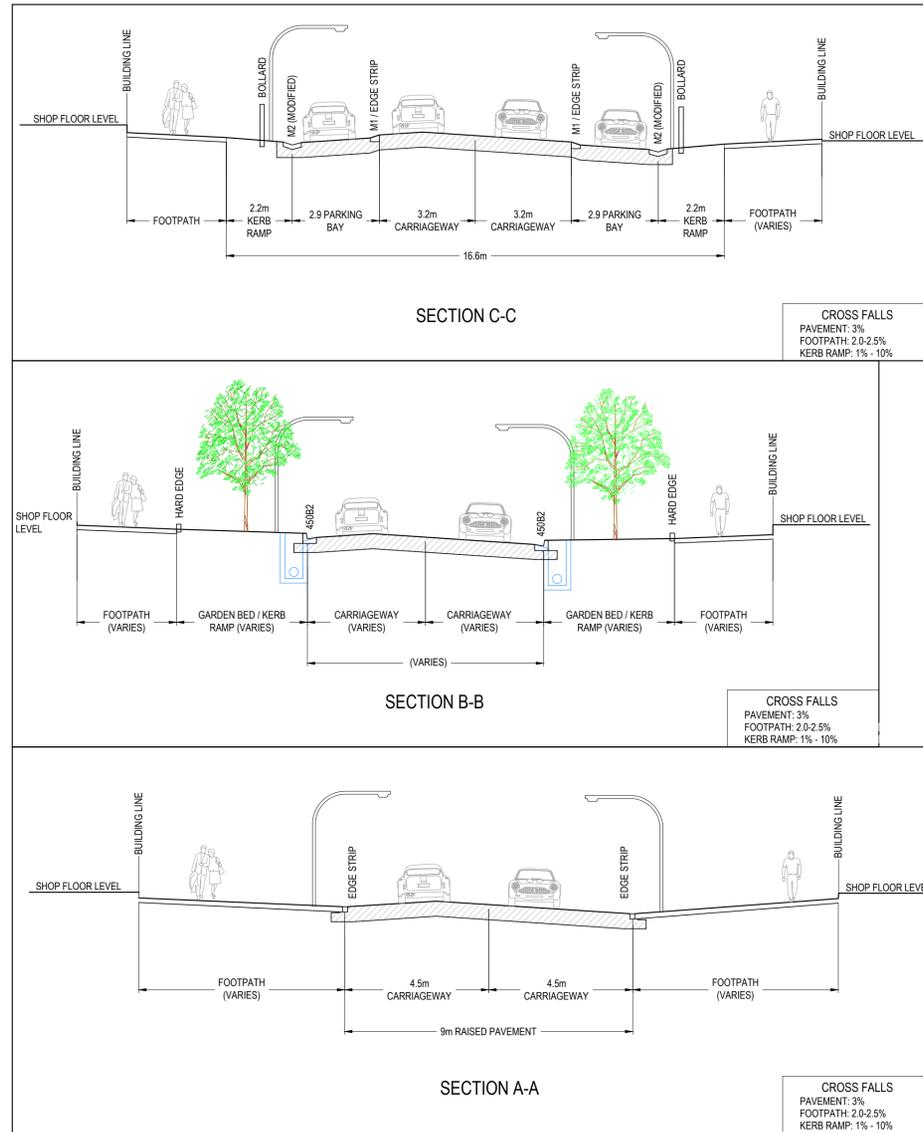
STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1:
AS SHOWN

DESIGNED	PROJECT ENGINEER	
M.PLANT	A.WALE	
DRAWN	PROJECT MANAGER	
M.PLANT	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
240064	R900	B



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.		 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002	PAKENHAM REVITALISATION PROJECT STAGE 1 - MAIN STREET	ISSUED FOR APPROVAL NOT FOR CONSTRUCTION	M.PLANT	A.WALE
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.					AS SHOWN	M.PLANT PROJECT No: 240064



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
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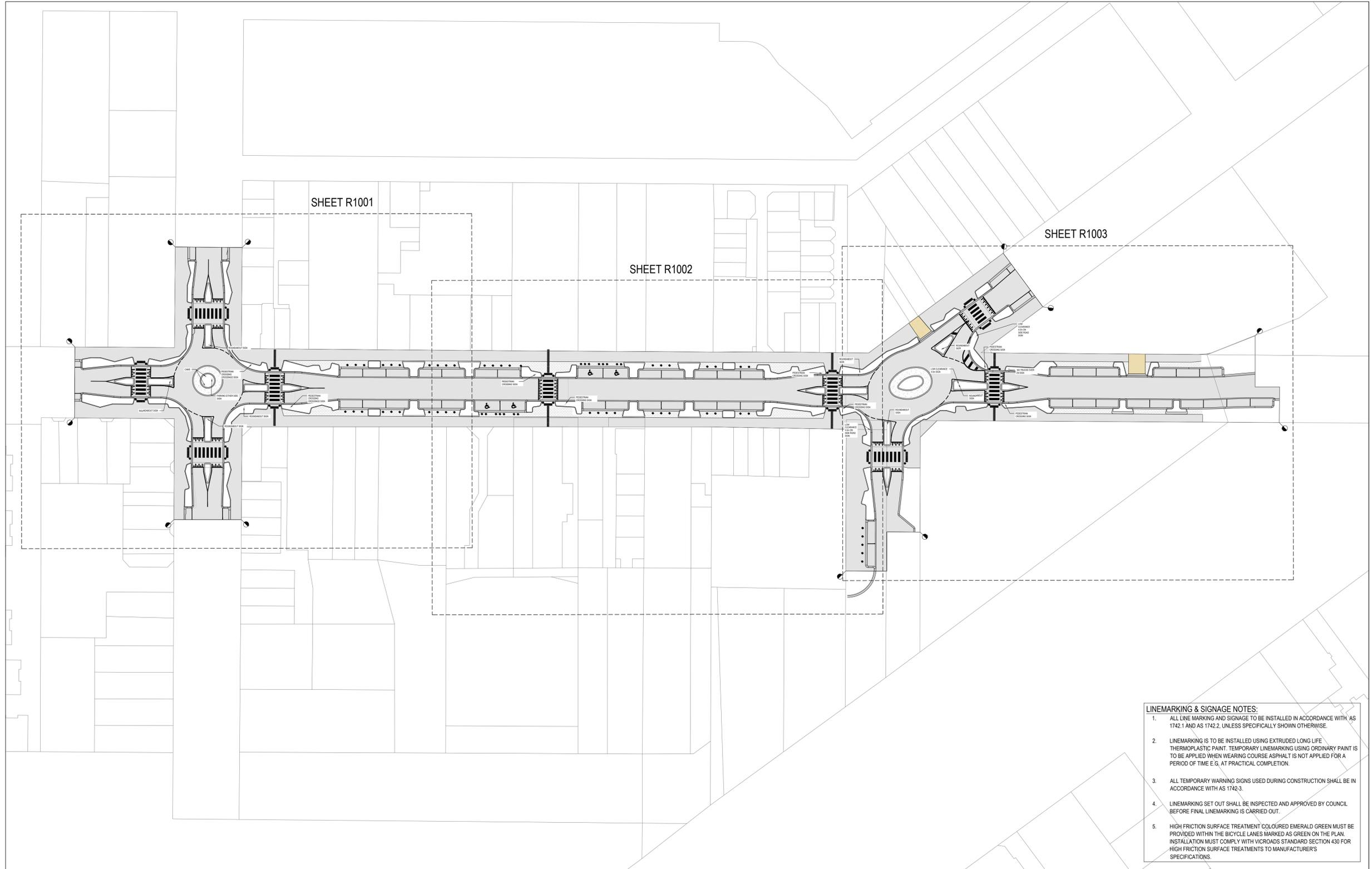
PROJECT
**PAKENHAM REVITALISATION PROJECT
 STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT -
 TYPICAL DETAILS - 03**

STATUS
**ISSUED FOR APPROVAL
 NOT FOR CONSTRUCTION**

SCALE @ A1:
AS SHOWN

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. R902
	REVISION B



- LINEMARKING & SIGNAGE NOTES:**
1. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
 2. LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT. TEMPORARY LINEMARKING USING ORDINARY PAINT IS TO BE APPLIED WHEN WEARING COURSE ASPHALT IS NOT APPLIED FOR A PERIOD OF TIME E.G. AT PRACTICAL COMPLETION.
 3. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742.3.
 4. LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.
 5. HIGH FRICTION SURFACE TREATMENT COLOURED EMERALD GREEN MUST BE PROVIDED WITHIN THE BICYCLE LANES MARKED AS GREEN ON THE PLAN. INSTALLATION MUST COMPLY WITH VICROADS STANDARD SECTION 430 FOR HIGH FRICTION SURFACE TREATMENTS TO MANUFACTURER'S SPECIFICATIONS.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
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A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	



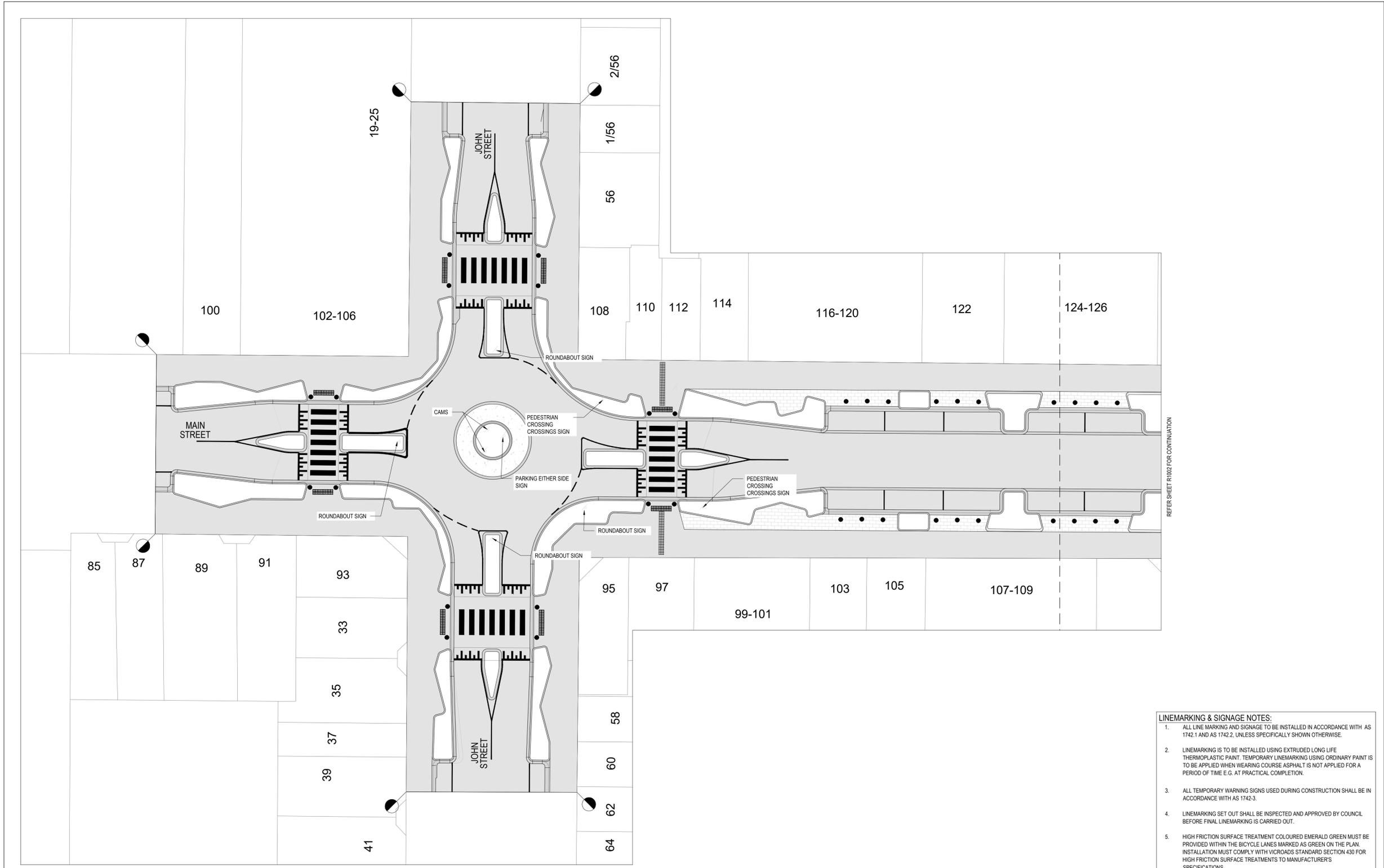
PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT -
SIGNAGE & LINEMARKING PLAN - OVER.**

STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:500

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TRONCE
PROJECT No. 240064	DRAWING No. R1000 REVISION B



- LINEMARKING & SIGNAGE NOTES:**
1. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
 2. LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT. TEMPORARY LINEMARKING USING ORDINARY PAINT IS TO BE APPLIED WHEN WEARING COURSE ASPHALT IS NOT APPLIED FOR A PERIOD OF TIME E.G. AT PRACTICAL COMPLETION.
 3. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742.3.
 4. LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.
 5. HIGH FRICTION SURFACE TREATMENT COLOURED EMERALD GREEN MUST BE PROVIDED WITHIN THE BICYCLE LANES MARKED AS GREEN ON THE PLAN. INSTALLATION MUST COMPLY WITH VICROADS STANDARD SECTION 430 FOR HIGH FRICTION SURFACE TREATMENTS TO MANUFACTURER'S SPECIFICATIONS.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	



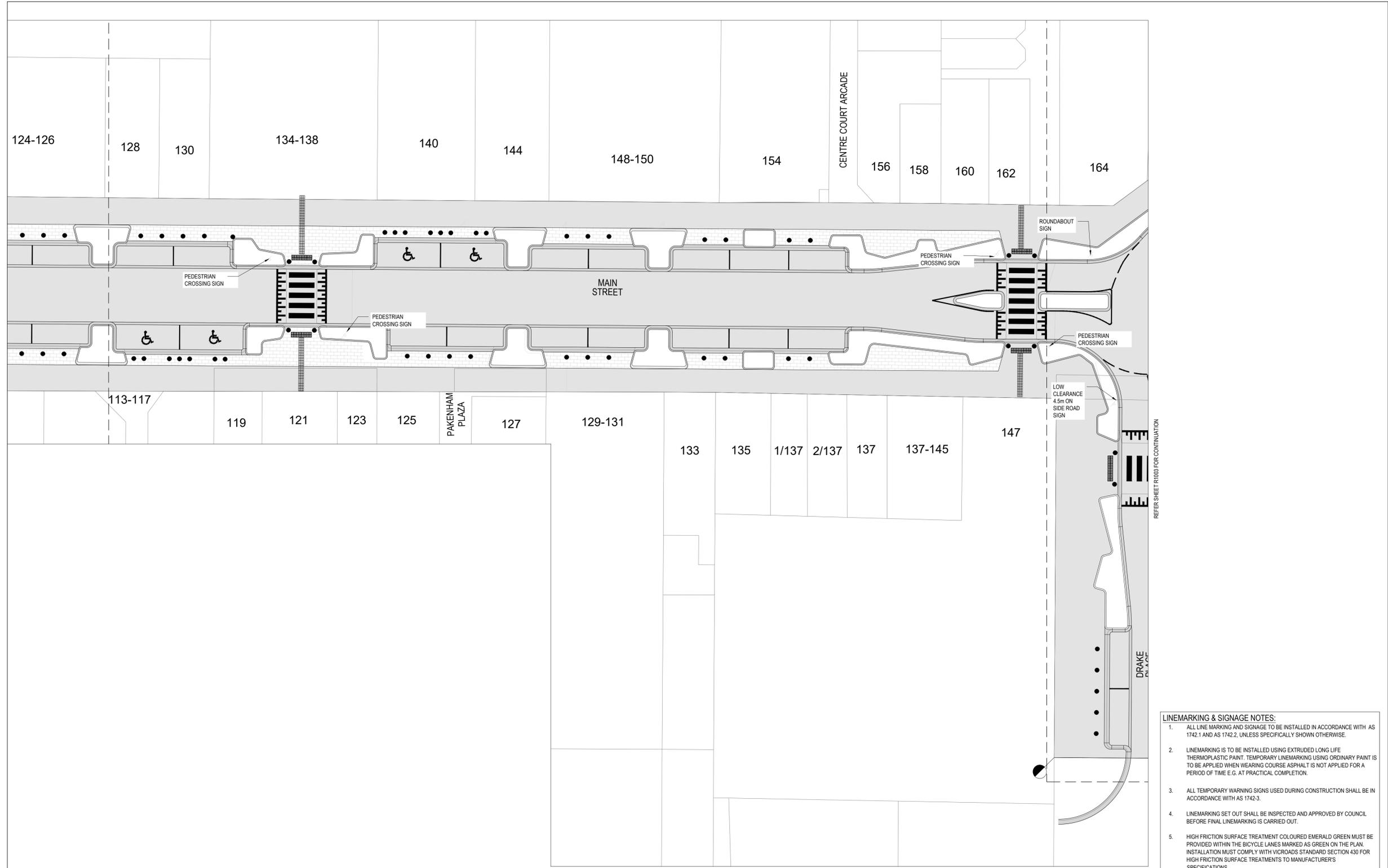
PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT -
SIGNAGE & LINEMARKING PLAN - 01**

STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:500
0 5 10 20 30

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. REVISION R1001 B



- LINEMARKING & SIGNAGE NOTES:**
1. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
 2. LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT. TEMPORARY LINEMARKING USING ORDINARY PAINT IS TO BE APPLIED WHEN WEARING COURSE ASPHALT IS NOT APPLIED FOR A PERIOD OF TIME E.G. AT PRACTICAL COMPLETION.
 3. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
 4. LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.
 5. HIGH FRICTION SURFACE TREATMENT COLOURED EMERALD GREEN MUST BE PROVIDED WITHIN THE BICYCLE LANES MARKED AS GREEN ON THE PLAN. INSTALLATION MUST COMPLY WITH VICROADS STANDARD SECTION 430 FOR HIGH FRICTION SURFACE TREATMENTS TO MANUFACTURER'S SPECIFICATIONS.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	



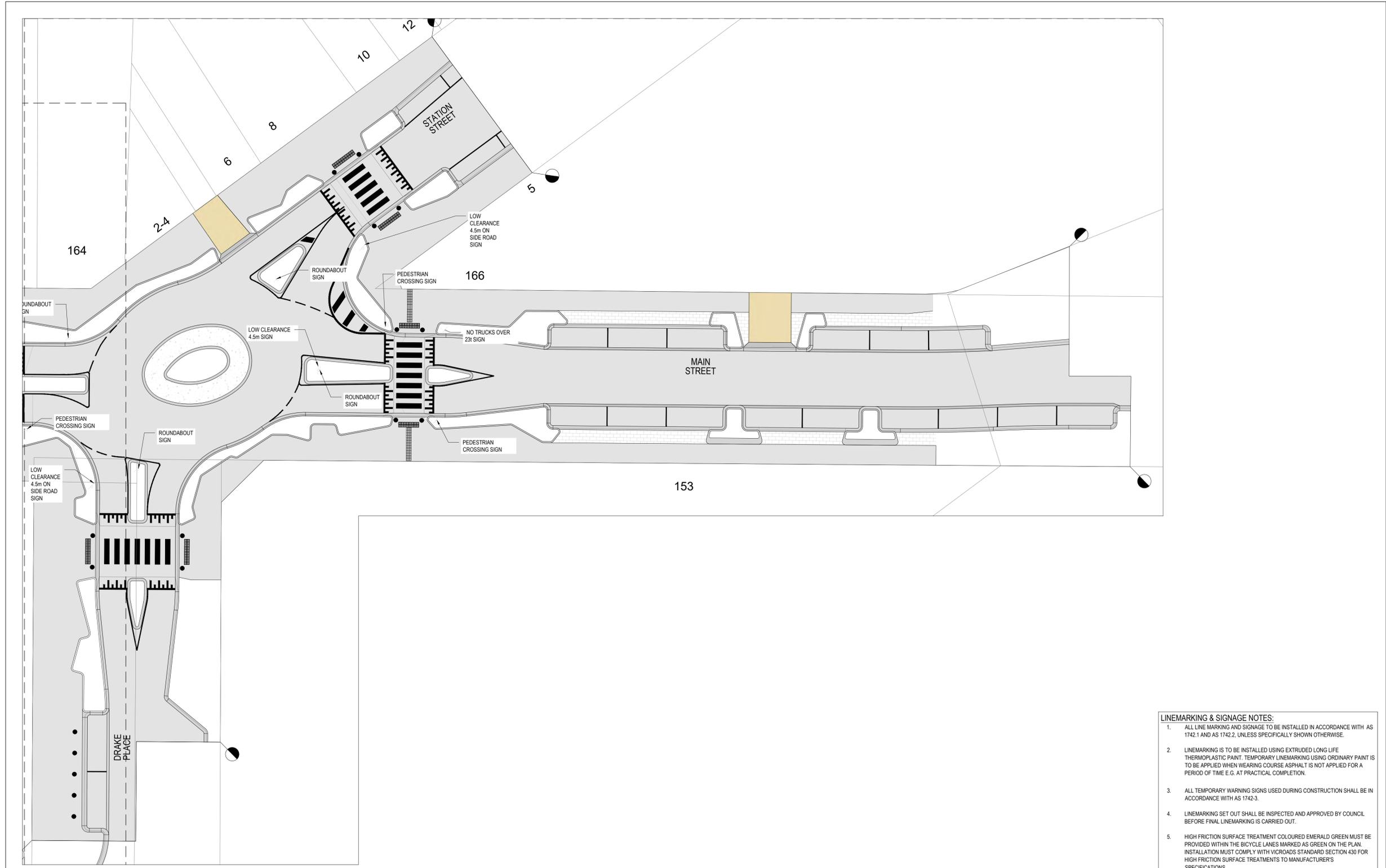
PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT -
SIGNAGE & LINEMARKING PLAN - 02**

STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:500

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. REVISION R1002 B



- LINEMARKING & SIGNAGE NOTES:**
1. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
 2. LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT. TEMPORARY LINEMARKING USING ORDINARY PAINT IS TO BE APPLIED WHEN WEARING COURSE ASPHALT IS NOT APPLIED FOR A PERIOD OF TIME E.G. AT PRACTICAL COMPLETION.
 3. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
 4. LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.
 5. HIGH FRICTION SURFACE TREATMENT COLOURED EMERALD GREEN MUST BE PROVIDED WITHIN THE BICYCLE LANES MARKED AS GREEN ON THE PLAN. INSTALLATION MUST COMPLY WITH VICROADS STANDARD SECTION 430 FOR HIGH FRICTION SURFACE TREATMENTS TO MANUFACTURER'S SPECIFICATIONS.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT
B	24/05/24	75% RE-ISSUE	M.P.	M.T.	M.T.	
A	17/05/24	75% ISSUE	M.P.	M.T.	M.T.	



PROJECT
**PAKENHAM REVITALISATION PROJECT
STAGE 1 - MAIN STREET**

DRAWING TITLE
**PAKENHAM REVITALISATION PROJECT -
SIGNAGE & LINEMARKING PLAN - 03**

STATUS
**ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION**

SCALE @ A1: 1:500
0 5 10 20 30

DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 240064	DRAWING No. R1003 REVISION B