



You are invited to attend the next Traffic Committee Meeting:

Date: Tuesday, 5 March 2024

Time: 3:00 PM - 4.00PM

**Location: Council Chamber
62-64 Menangle Street
Picton NSW 2571**

AGENDA

**Traffic Committee Meeting
5 March 2024**

Order Of Business

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1.1	Parking and Traffic Management - Westminster Place Razorback - Install 'No Stopping' restriction and Giveaway treatment.....	4
1.2	Parking - Coull Street, Picton - Extend 'No Stopping Restriction.....	8
1.3	PEDESTRIAN AND CYCLIST SAFETY – PICTON TO TAHMOOR – INSTALL SHARED PATH AND PEDESTRIAN REFUGE ISLAND	11
2	General Business	40
	No reports this meeting	

1 REPORTS

1.1 PARKING AND TRAFFIC MANAGEMENT - WESTMINSTER PLACE RAZORBACK - INSTALL 'NO STOPPING' RESTRICTION AND GIVEWAY TREATMENT

File Number: 10623-2#7

Directorate: Shire Futures

EXECUTIVE SUMMARY

This report seeks approval to install 'Giveway' signage and associated linemarking to delineate the intersection of Westminster Place and Mount View Close, Razorback. It also seeks approval for a 'No Stopping' restriction to be installed at a newly proposed cul-de-sac.

RECOMMENDATION

That

1. A 'Give Way' restriction with associated sign, TB and TB1 linemarking be installed at the intersection of Westminster Place and Mount View Close, Razorback as shown in the attached sketch.
2. A 30m long Continuous Dividing (Two-Way Barrier BL1) linemarking be installed on Westminster Place at Mount View Close, Razorback as shown in the attached sketch.
3. A 'No Stopping' restriction be installed at the proposed cul-de-sac within the subdivision at No. 11 Westminster Place, Razorback as shown in the attached sketch.

REPORT

Street Name	Westminster Place	Latitude	-34.150977
Suburb	Razorback	Longitude	150.636448
Ward	North	Road Class (admin)	Local Road
SED	Wollondilly	PAC	Camden

DA/2018/784/1 gives development consent for a five-lot residential subdivision at 11 Westminster Place, Razorback. The development is required to widen the existing pavement on Westminster Place to have 6.0m carriageway with 1.5m shoulder either side.

The existing cul-de-sac on Westminster Place will be demolished and the development will extend Westminster Place 200m from the existing cul-de-sac and then construct a new cul-de-sac at end of this extension.

At the intersection of Westminster Place and Mount View Close, it is proposed to install a R1-2 Giveway sign and associated TB and TB1 transverse linemarking with longitudinal BB linemarking on the minor leg to clearly delineate the intersection. The proposed signage and linemarking is shown in the attached plan.

Additionally, it is proposed to create a 'No Stopping' restriction around the proposed cul-de-sac to allow unobstructed access for Rural Fire Service emergency vehicles. This restriction will be enforced by the installation of R5-400 signage around the cul-de-sac bulb. This proposed signage is shown in the attached plan.

Consultation

There has been no additional consultation with the community outside of the standard Development Application process. Council has been in contact with the Developer regarding the matter.

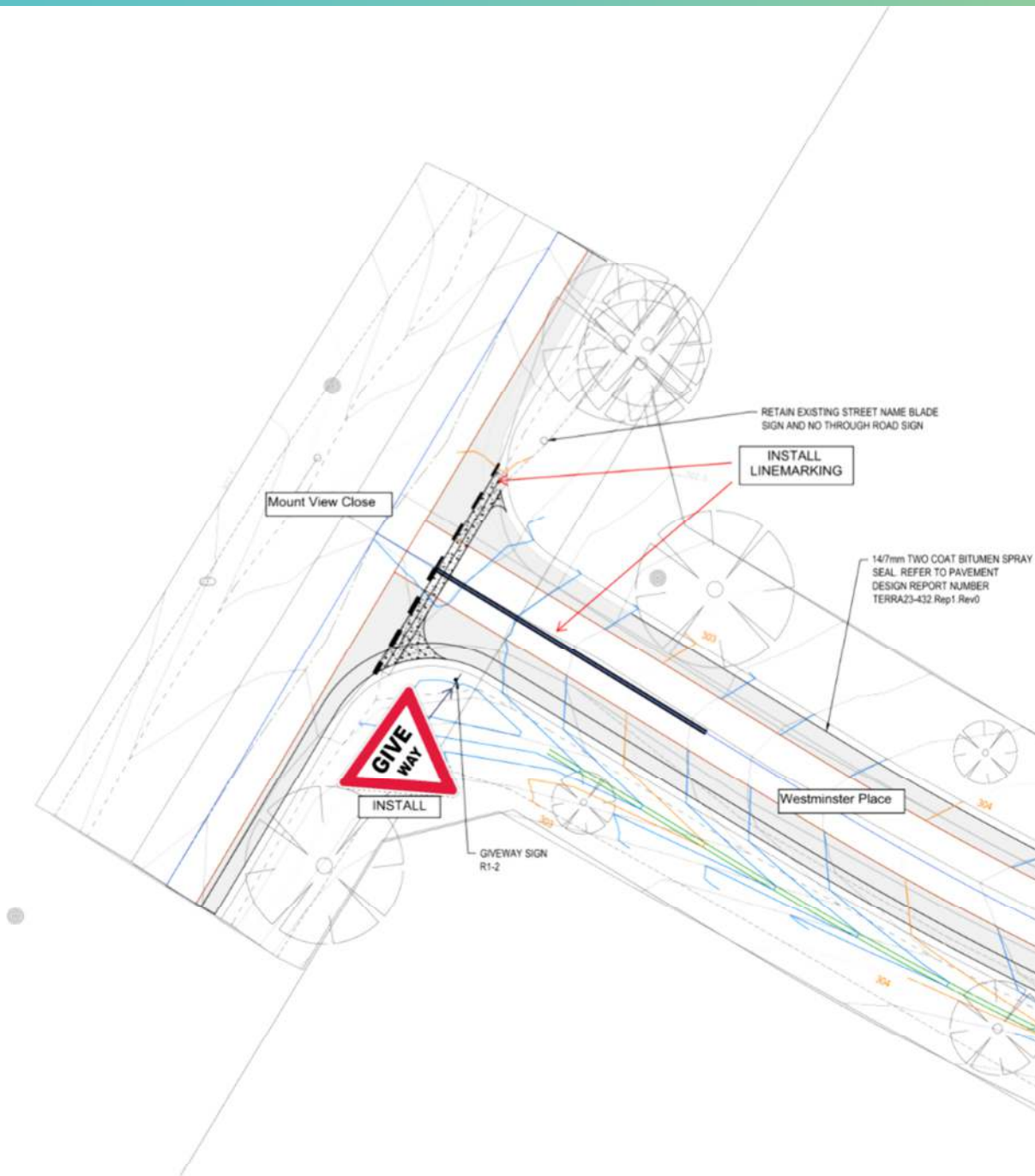
Financial Implications

Works are to be paid for by the developer with no financial cost to Council.

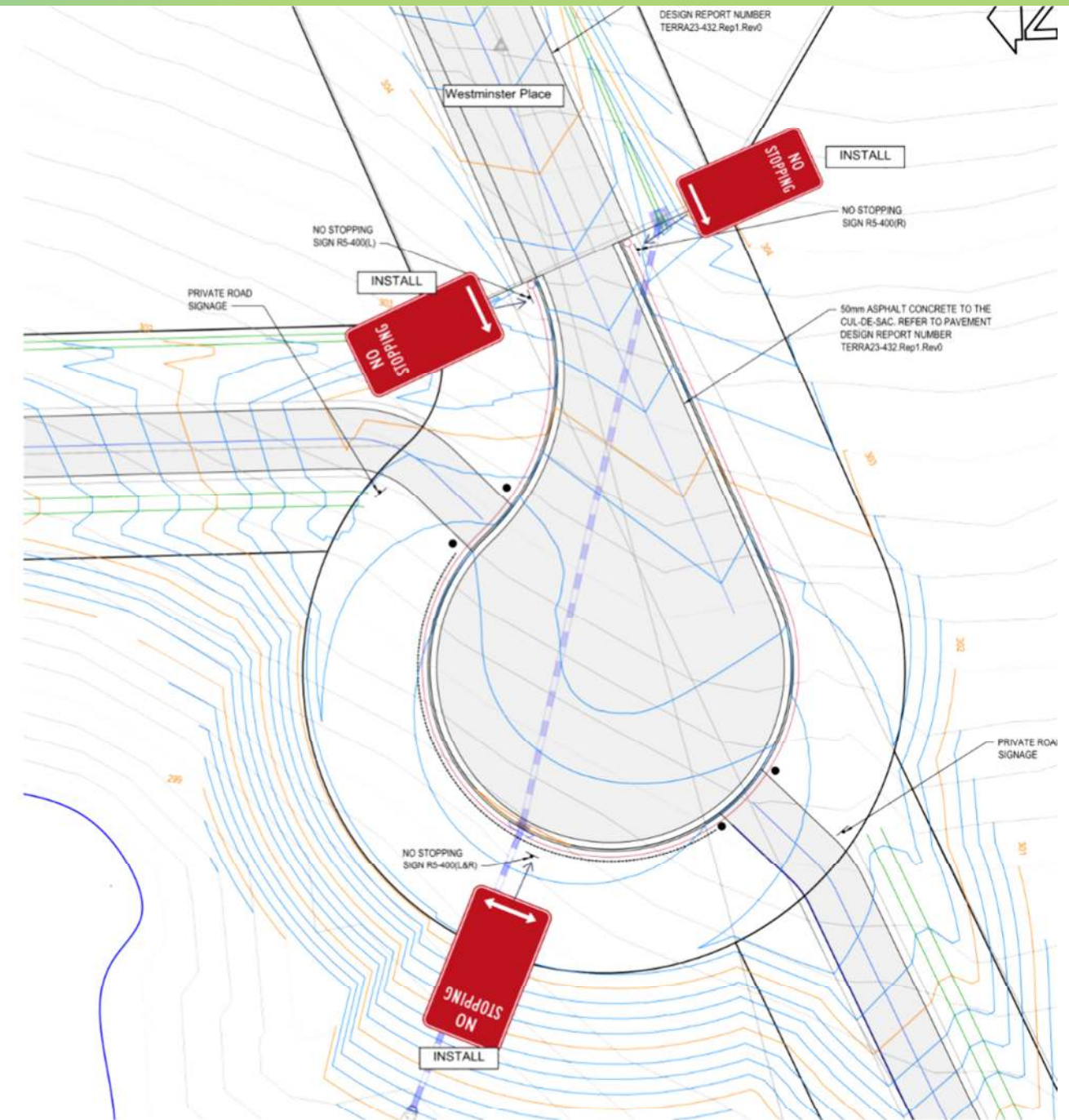
Prepared by:	David Clark 7/02/2024	Development Engineer (Graduate)
Checked by:	William Sale 7/02/2024	Development Engineering Team Leader

ATTACHMENTS

1. **Westminster Place - Signage & Linemarking**
2. **Westminster Place - Culdesac Demolition**



PAVEMENT, LINES AND SIGNS PLAN
1:200 @ A1



PAVEMENT, LINES AND SIGNS PLAN
1:200 @ A1

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



LINE MARKING SCHEDULE:

- — — — — TB - GIVE WAY LINE
- — — — — TB1 - GIVE WAY LINE
- — — — — BB - BARRIER LINE

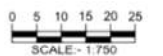
NOTE: LINEMARKING TO BE THERMOPLASTIC WITH REFLECTORS IN ACCORDANCE WITH TRANSPORT FOR NEW SOUTH WALES REQUIREMENTS & AUSTRALIAN STANDARDS

SIGNAGE SCHEDULE:



GENERAL NOTES:

1. PAVEMENT LINE MARKINGS SHALL BE DELINEATED BY USE OF 'WHITE LINES' AND MARKINGS (UNLESS NOTED OTHERWISE) IN ACCORDANCE WITH AUSTRALIAN STANDARDS (A.S. 2890.1 2004) AND COUNCIL GUIDELINES.
2. LINE MARKING SHALL BE 80-100mm WIDE IN ACCORDANCE WITH AS 2890.
3. SIGNAGE INDICATED SHALL BE SUPPLIED & INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 1742.1 / 1742.2 / 1742.11 AND 1743 AND REFERENCED DOCUMENTS.
4. ALL SIGNAGE TO BE FIXED TO GALV. STEEL POSTS. BOLT AND/OR SPIGOT SLEEVE FIXED INTO CONCRETE PAVEMENTS / PAD FOOTING AND/OR WALL MOUNTED WHERE APPLICABLE.



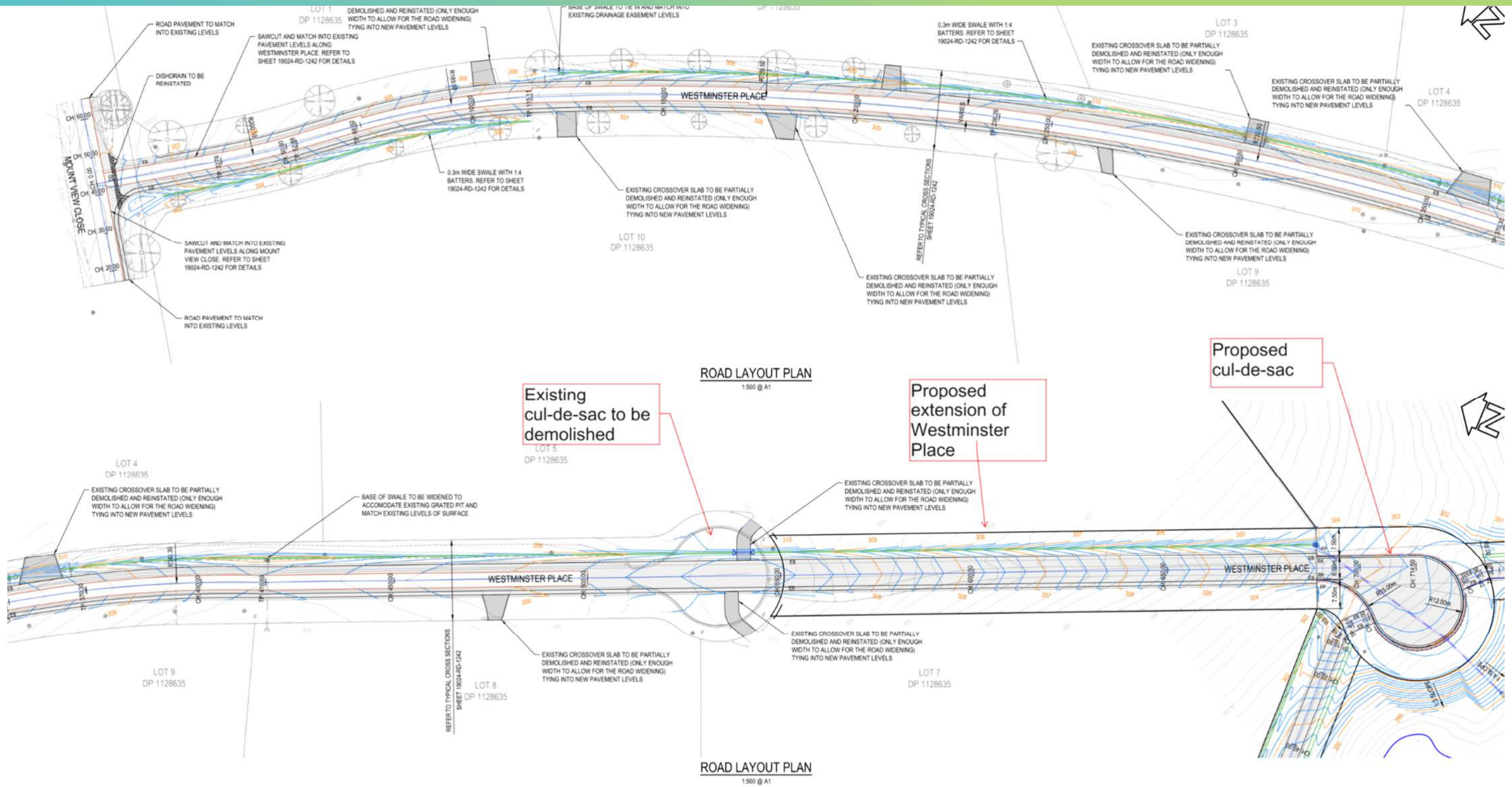
DATE	BY	DESCRIPTION
24 NOV 23	AS	SUBMISSION FOR COUNCIL APPROVAL
	AB	
	AB	

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JOB NAME: 5 LOT RURAL SUBDIVISION
LOCATION: 11 WESTMINSTER, RAZORBACK, NSW - LOT 6 D.P.1128635
LGA: WOLLONDILLY SHIRE COUNCIL

FOR APPROVAL FOR CONSTRUCTION
RELEASE DATE: 24 NOVEMBER 2023



WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



SHEET LEGEND											
DESCRIPTION	DETAIL	DESCRIPTION	DETAIL	DESCRIPTION	DETAIL	DESCRIPTION	DETAIL	DESCRIPTION	DETAIL	DESCRIPTION	DETAIL
BARRIER KERB 'KG'		KERB / PEDESTRIAN RAMP		SUB-SOIL AND FLUSH POINTS		STORMWATER LOCATION (EXISTING)		EXISTING WATER MAIN		EXISTING SEWER MAIN	
ROLL KERB 'RK'		NOMINAL CONTROL LINE		KERB ADAPTOR / OUTLET		SEWER LOCATION (EXISTING)		PROPOSED WATER MAIN		PROPOSED SEWER MAIN	
EDGE STRIP 'ES'		ROAD PAVEMENT		LIMIT OF WORKS		WATER LOCATION (EXISTING)		PROPOSED HYDRANT		PROPOSED SEWER MANHOLE	
KERB ONLY 'KO'		PATH PAVING (CONCRETE)		BOUNDARIES		TELSTRA LOCATION (EXISTING)		PROPOSED STOP VALVE		PROPOSED THRUST CONNECTOR	
MOUNTABLE SF TYPE KERB 'SF'		CONTOURS (MAJOR)		TREE AND LANDSCAPING		FIBRE OPTICS LOCATION (EXISTING)		PROPOSED THRUST CONNECTOR		PROPOSED SCOUR VALVE ASSEMBLY	
DISH DRAIN 'DD'		CONTOURS (MINOR)		DRAINAGE PIT - 1.8m PIT WITH INTEL		ELECTRICAL LOCATION (EXISTING)		PROPOSED WATER SERVICEMETER		PROPOSED SEWER JUNCTION (I.O.)	
VEHICULAR CROSSING		RETAINING WALL STRUCTURES		DRAINAGE PIT - 2.4m SAG WITH INTEL		GAS LOCATION (EXISTING)		PROPOSED THRUST BLOCK		PROPOSED THRUST BLOCK	



ALE: AS NOTED	SURVEY	AS	REV	DESCRIPTION	DATE
'E: A1	DESIGN	AB	A	SUBMISSION FOR COUNCIL APPROVAL	20 DEC 23
TC OF CIVPLAN: 31 AUG 2023	DRAWN	AB			

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JOB NAME: 5 LOT RURAL SUBDIVISION
LOCATION: 11 WESTMINSTER PLACE, RAZORBACK, NSW - LOT 6 D.P.1128635
LGA: WOLLONDILLY SHIRE COUNCIL
CLIENT: CARA PAVANAGLI

FOR APPROVAL FOR CONSTRUCTION
RELEASE DATE: 20 DECEMBER 2023

1.2 PARKING - COULL STREET, PICTON - EXTEND 'NO STOPPING RESTRICTION

File Number: 10623-2#8

Directorate: Shire Futures

EXECUTIVE SUMMARY

This report seeks approval to extend a 'No Stopping' restriction on the northern side of Coull Street, to allow two-way traffic movements. The works are associated with a 5 unit industrial development at 2-6 Coull Street, Picton (DA/2016/241/2).

RECOMMENDATION

That

1. That a 'No Stopping' restriction be installed on the north-east side of Coull Street between Picton Avenue and Scharer Lane, Picton as shown in the attached sketch.

REPORT

Street Name	Coull Street	Latitude	-34.171826,
Suburb	Picton	Longitude	150.609888
Ward	North	Road Class (admin)	Local Road
SED	Wollondilly	PAC	Camden

DA/2016/241/2 gives development consent for five industrial units and strata subdivision at 2-6 Coull Street (now 2 Scharer Lane), Picton. Currently there are existing 'No Stopping' restrictions on at the Coull Street/Scharer Lane intersection. A 'No Stopping' restriction along Scharer Lane has also previously been approved by Local Traffic Committee on 6 February 2024. It is conditioned that footpath be provided along Coull Street to enable pedestrian movements into Picton Avenue.

In developing the footpath design, it was determined that the alignment will create a narrower 7.0m carriageway. Parking on both sides of the street would result in yielding arrangements and restrict vehicle movements due to the larger vehicles expected to access this part of Coull Street due to the proposed industrial unit development.

As a result, a 'No Stopping' restriction is proposed along the northern side of Coull Street. The restriction will be implemented by installing R5-400 'No Stopping' signage along the northern side of Coull Street, between Picton Avenue and Scharer Lane. It is expected that there will be some minor loss of on-street parking. Adjoining properties have been contacted to discuss any concerns. A property entrance layback will be required to allow access to the existing driveway for 6 Picton Avenue that fronts onto Coull Street.

The existing and proposed signs have been shown on the attached No Stopping Signage plan.

Consultation

The Developer has consulted with the property owner and business at 6 Picton Avenue, and they raised some concerns with the loss of parking, however, they are generally accepting of the 'No Stopping' restrictions if considered appropriate by Council.

There has been no additional consultation with the broader community outside of the standard Development Application process.

Financial Implications

Works are to be paid for by the developer with no financial cost to Council.

Prepared by:	David Clark 12/02/2024	Development Engineer (Graduate)
Checked by:	Ben Gibbons 12/02/2024	Development Engineering Team Leader

ATTACHMENTS

1. **Coull Street - No Stopping Plan**

1.3 PEDESTRIAN AND CYCLIST SAFETY – PICTON TO TAHMOOR – INSTALL SHARED PATH AND PEDESTRIAN REFUGE ISLAND

File Number: 10623-2#9

Directorate: Shire Services

EXECUTIVE SUMMARY

The Picton To Tahmoor shared path is expected to be completed by mid-2024.

This report seeks approval to install signage, line marking and refuge islands on the shared path between Picton and Tahmoor along Remembrance Driveway to enable the safer commute of pedestrians.

RECOMMENDATION

That:

1. A shared path with associated signage and line marking be installed along Remembrance Driveway between Wonga Road, Picton and River Road, Tahmoor.
2. A pedestrian refuge island with associated line marking be installed at Remembrance Driveway west of Stilton Lane, Tahmoor.

REPORT

Street Name	Remembrance Driveway, Picton to Tahmoor (Old Hume Highway)	Latitude	-34.204975
Suburb	Picton, Tahmoor	Longitude	150.611427
Ward	North	Road Class (admin)	Regional
SED	Wollondilly	PAC	Wollondilly

Council has successfully obtained grant funding to construct a shared path link between Picton and Tahmoor. This work is expected to be completed by mid-2024.

The installation of the share path will deliver many benefits to both community and Council by:

- Providing a much needed pedestrian link between Picton and Tahmoor;
- Providing a safe travel alternative to vehicle transport;
- Reducing vehicle congestion at school hours by providing an alternative travel option; and
- Adding to the delivery of Council's Active Transport Strategy which aims to encourage healthier modes of transport.

The path is currently being installed along the length. Civil engineers have designed the path to be designated a "shared path". The path does deviate from the guideline preferred 2.5m width through two path narrowings of 2.0m, and a single narrowing of 1.6m. These are necessary due to the constraints presented by power utilities and disadvantageous grade of land.

The share path is expected to increase the numbers of pedestrians using the route. Picton High School will provide large numbers of children at concentrated times. The local shops, residencies, fitness seekers and bike riders of Picton and Tahmoor will create pedestrian traffic throughout the day.

Due to the expected increase in pedestrians, it is proposed to install a refuge island at the crossing point of Remembrance Driveway for safety purposes. The design involves:

- A refuge island to create a single lane traverse and holding area;
- Blister islands with coloured pram ramps;
- Refuge and blister islands larger than minimum specification to increase safety;
- Location offers the greatest line of sight for vehicles and pedestrians;
- Guardrail at roadside for the approach to the islands;
- Line marking and signage;
- Pedestrian staggered fence and cyclist dismount features;
- Streetlighting upgraded; and
- 60km/hr speed will be moved from River Rd to east of Koorana Rd to include the refuge location.

Linework and associated signage as detailed in the attachment is required to achieve the design.

Consultation

In general, the share path has been requested by the community for many years. During the concept design stages, a community forum was held with feedback collected and incorporated into the design. Furthermore, Council's Strategic Planning unit reviewed and provided feedback shaping the design.

The design has been authored by an external civil engineering firm to Australian Standards, Austroad Standards, TfNSW (former RMS) Specifications and Wollondilly Shire Council Specifications.

Additionally, a third-party Safe Systems Assessment was undertaken to explore safety design at the refuge island. The assessment determined the location was most preferable due to line of sight and vehicle breaking distances.

Financial Implications

This project is funded in part by the NSW State Government Resources for Regions grant and developer contributions.

ATTACHMENTS

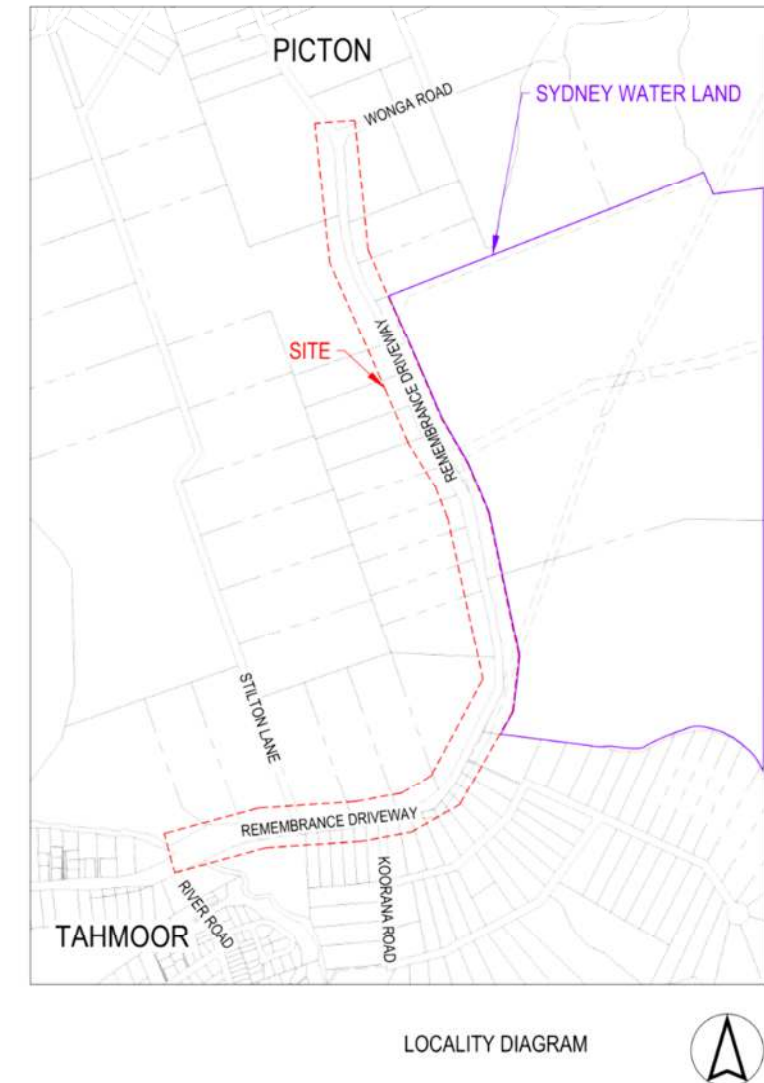
1. Picton to Tahmoor Shared Path Design

PICTON TO TAHMOOR SHAREWAY REMEMBRANCE DRIVEWAY, BETWEEN RIVER RD AND WONGA RD DETAILED DESIGN

PLAN NUMBER	DRAWING TITLE
MKR00151-20-C000	COVER SHEET AND DRAWING SCHEDULE
MKR00151-20-C001	NOTES
MKR00151-20-C002	KEY PLAN
MKR00151-20-C010	GENERAL ARRANGEMENT PLAN 1 OF 21
MKR00151-20-C011	GENERAL ARRANGEMENT PLAN 2 OF 21
MKR00151-20-C012	GENERAL ARRANGEMENT PLAN 3 OF 21
MKR00151-20-C013	GENERAL ARRANGEMENT PLAN 4 OF 21
MKR00151-20-C014	GENERAL ARRANGEMENT PLAN 5 OF 21
MKR00151-20-C015	GENERAL ARRANGEMENT PLAN 6 OF 21
MKR00151-20-C016	GENERAL ARRANGEMENT PLAN 7 OF 21
MKR00151-20-C017	GENERAL ARRANGEMENT PLAN 8 OF 21
MKR00151-20-C018	GENERAL ARRANGEMENT PLAN 9 OF 21
MKR00151-20-C019	GENERAL ARRANGEMENT PLAN 10 OF 21
MKR00151-20-C020	GENERAL ARRANGEMENT PLAN 11 OF 21
MKR00151-20-C021	GENERAL ARRANGEMENT PLAN 12 OF 21
MKR00151-20-C022	GENERAL ARRANGEMENT PLAN 13 OF 21
MKR00151-20-C023	GENERAL ARRANGEMENT PLAN 14 OF 21
MKR00151-20-C024	GENERAL ARRANGEMENT PLAN 15 OF 21
MKR00151-20-C025	GENERAL ARRANGEMENT PLAN 16 OF 21
MKR00151-20-C026	GENERAL ARRANGEMENT PLAN 17 OF 21
MKR00151-20-C027	GENERAL ARRANGEMENT PLAN 18 OF 21
MKR00151-20-C028	GENERAL ARRANGEMENT PLAN 19 OF 21
MKR00151-20-C029	GENERAL ARRANGEMENT PLAN 20 OF 21
MKR00151-20-C030	GENERAL ARRANGEMENT PLAN 21 OF 21
MKR00151-20-C031	TYPICAL SECTIONS
MKR00151-20-C035	TYPICAL DETAILS 1 OF 5
MKR00151-20-C036	TYPICAL DETAILS 2 OF 5
MKR00151-20-C037	TYPICAL DETAILS 3 OF 5
MKR00151-20-C038	TYPICAL DETAILS 4 OF 5
MKR00151-20-C039	TYPICAL DETAILS 5 OF 5
MKR00151-20-C040	PEDESTRIAN CROSSING DETAILS
MKR00151-20-C041	STRUCTURAL BRIDGE CROSSINGS LAYOUT PLAN
MKR00151-20-C042	STRUCTURAL BRIDGE DETAILS 1 OF 3
MKR00151-20-C043	STRUCTURAL BRIDGE DETAILS 2 OF 3
MKR00151-20-C044	STRUCTURAL BRIDGE DETAILS 3 OF 3

PLAN NUMBER	DRAWING TITLE
MKR00151-20-C050	LONGITUDINAL SECTIONS 1 OF 20
MKR00151-20-C051	LONGITUDINAL SECTIONS 2 OF 20
MKR00151-20-C052	LONGITUDINAL SECTIONS 3 OF 20
MKR00151-20-C053	LONGITUDINAL SECTIONS 4 OF 20
MKR00151-20-C054	LONGITUDINAL SECTIONS 5 OF 20
MKR00151-20-C055	LONGITUDINAL SECTIONS 6 OF 20
MKR00151-20-C056	LONGITUDINAL SECTIONS 7 OF 20
MKR00151-20-C057	LONGITUDINAL SECTIONS 8 OF 20
MKR00151-20-C058	LONGITUDINAL SECTIONS 9 OF 20
MKR00151-20-C059	LONGITUDINAL SECTIONS 10 OF 20
MKR00151-20-C060	LONGITUDINAL SECTIONS 11 OF 20
MKR00151-20-C061	LONGITUDINAL SECTIONS 12 OF 20
MKR00151-20-C062	LONGITUDINAL SECTIONS 13 OF 20
MKR00151-20-C063	LONGITUDINAL SECTIONS 14 OF 20
MKR00151-20-C064	LONGITUDINAL SECTIONS 15 OF 20
MKR00151-20-C065	LONGITUDINAL SECTIONS 16 OF 20
MKR00151-20-C066	LONGITUDINAL SECTIONS 17 OF 20
MKR00151-20-C067	LONGITUDINAL SECTIONS 18 OF 20
MKR00151-20-C068	LONGITUDINAL SECTIONS 19 OF 20
MKR00151-20-C069	LONGITUDINAL SECTIONS 20 OF 20
MKR00151-20-C070	CROSS SECTIONS 1 OF 35
MKR00151-20-C071	CROSS SECTIONS 2 OF 35
MKR00151-20-C072	CROSS SECTIONS 3 OF 35
MKR00151-20-C073	CROSS SECTIONS 4 OF 35
MKR00151-20-C074	CROSS SECTIONS 5 OF 35
MKR00151-20-C075	CROSS SECTIONS 6 OF 35
MKR00151-20-C076	CROSS SECTIONS 7 OF 35
MKR00151-20-C077	CROSS SECTIONS 8 OF 35
MKR00151-20-C078	CROSS SECTIONS 9 OF 35
MKR00151-20-C079	CROSS SECTIONS 10 OF 35
MKR00151-20-C080	CROSS SECTIONS 11 OF 35
MKR00151-20-C081	CROSS SECTIONS 12 OF 35
MKR00151-20-C082	CROSS SECTIONS 13 OF 35
MKR00151-20-C083	CROSS SECTIONS 14 OF 35
MKR00151-20-C084	CROSS SECTIONS 15 OF 35
MKR00151-20-C085	CROSS SECTIONS 16 OF 35
MKR00151-20-C086	CROSS SECTIONS 17 OF 35
MKR00151-20-C087	CROSS SECTIONS 18 OF 35
MKR00151-20-C088	CROSS SECTIONS 19 OF 35

PLAN NUMBER	DRAWING TITLE
MKR00151-20-C089	CROSS SECTIONS 20 OF 35
MKR00151-20-C090	CROSS SECTIONS 21 OF 35
MKR00151-20-C091	CROSS SECTIONS 22 OF 35
MKR00151-20-C092	CROSS SECTIONS 23 OF 35
MKR00151-20-C093	CROSS SECTIONS 24 OF 35
MKR00151-20-C094	CROSS SECTIONS 25 OF 35
MKR00151-20-C095	CROSS SECTIONS 26 OF 35
MKR00151-20-C096	CROSS SECTIONS 27 OF 35
MKR00151-20-C097	CROSS SECTIONS 28 OF 35
MKR00151-20-C098	CROSS SECTIONS 29 OF 35
MKR00151-20-C099	CROSS SECTIONS 30 OF 35
MKR00151-20-C100	CROSS SECTIONS 31 OF 35
MKR00151-20-C101	CROSS SECTIONS 32 OF 35
MKR00151-20-C102	CROSS SECTIONS 33 OF 35
MKR00151-20-C103	CROSS SECTIONS 34 OF 35
MKR00151-20-C104	CROSS SECTIONS 35 OF 35
MKR00151-20-C105	CROSS SECTIONS WATERMAIN DETAILS
MKR00151-20-C110	KERB RETURN LAYOUT PLAN AND LONGITUDINAL SECTION
MKR00151-20-C115	DRIVEWAY LONGITUDINAL SECTIONS
MKR00151-20-C120	STORMWATER LAYOUT 1 OF 6
MKR00151-20-C121	STORMWATER LAYOUT 2 OF 6
MKR00151-20-C122	STORMWATER LAYOUT 3 OF 6
MKR00151-20-C123	STORMWATER LAYOUT 4 OF 6
MKR00151-20-C124	STORMWATER LAYOUT 5 OF 6
MKR00151-20-C125	STORMWATER LAYOUT 6 OF 6
MKR00151-20-C126	STORMWATER LONGITUDINAL SECTIONS 1 OF 2
MKR00151-20-C127	STORMWATER LONGITUDINAL SECTIONS 2 OF 2
MKR00151-20-C128	STORMWATER PIT SCHEDULE
MKR00151-20-C185	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
MKR00151-20-C200	RETAINING WALL PLAN AND LONGITUDINAL SECTIONS 1 OF 3
MKR00151-20-C201	RETAINING WALL PLAN AND LONGITUDINAL SECTIONS 2 OF 3
MKR00151-20-C202	RETAINING WALL PLAN AND LONGITUDINAL SECTIONS 3 OF 3



CLIENT:



CONSULTANTS:



DRAWING NO: MKR00151-20-C000 REV: D.1

GENERAL

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS THAT MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCIES IN THESE DOCUMENTS SHALL BE REFERRED TO THE SUPERINTENDENT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL CHECK AND BE RESPONSIBLE FOR THE CORRECTNESS OF ALL DIMENSIONS. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE SUPERINTENDENT. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING OFF THE PLANS.
3. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT AUSTRALIAN STANDARDS, THE BY-LAWS AND ORDINANCES OF THE RELEVANT AUTHORITIES AND THE SPECIFICATIONS.
4. NO CHANGES SHALL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN CONSENT OF THE SUPERINTENDENT. THE SUPERINTENDENT IS TO CONFIRM THE EXACT EXTENTS ON SITE PRIOR TO COMMENCEMENT.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SAFE WORK PRACTICES ARE FOLLOWED AT ALL TIMES DURING THE COURSE OF THE CONTRACT. WORK REGULATIONS AND WORK COVER REQUIREMENTS ARE TO BE COMPLIED WITH REFER TO THE SPECIFICATION AND CONTRACT DOCUMENTS FOR DETAILED PROTOCOL.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL SURVEY MARKS ARE MAINTAINED. IF THE CONTROL MARKS ARE DESTROYED OR MOVED DURING CONSTRUCTION THE CONTRACTOR MUST SUPPLY ADEQUATE MARKS FOR RE-ESTABLISHMENT AND INFORM THE SUPERINTENDENT.
7. CHANGES, REDUCED LEVELS, CHAINAGES, OFFSETS AND ROAD WIDTHS ARE IN METRES UNLESS OTHERWISE SHOWN.
8. LIAISE WITH THE APPOINTED SITE SUPERINTENDENT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
9. ALL SITE FILLING SHALL BE COMPACTED TO 98% STANDARD COMPACTION, CONTROLLED BY THE GEOTECHNICAL ENGINEER OR AS INSTRUCTED BY THE SUPERINTENDENT.
10. SURPLUS EXCAVATED MATERIAL SHALL BE PLACED WHERE DIRECTED BY THE SUPERINTENDENT.
11. ALL NEW WORKS SHALL MAKE A SMOOTH JUNCTION WITH EXISTING CONDITIONS.
12. THE CONTRACTOR SHALL NOT ENTER UPON NOR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT THE WRITTEN PERMISSION OF THE OWNERS.
13. SITE FILL AREAS - THE CONTRACTORS REGISTERED SURVEYOR SHALL TAKE LEVELS OF EXISTING SURFACE AFTER STRIPPING TOPSOIL AND PRIOR TO COMMENCING FILL OPERATIONS.
14. DRAINAGE LINES UNDER ROADS SHALL BE BACKFILLED WITH NON-COHESIVE SAND AND THE SUBSOIL DRAIN WRAPPED IN APPROVED FILTER SOCK, DISCHARGING INTO DOWN STREAM PITS.
15. ALL CONDUITS AND MAINS SHALL BE LAID PRIOR TO LAYING FINAL ASPHALTIC CONCRETE SEAL.
16. STREET NAME SIGNS SHALL BE ERRECTED, WHERE SHOWN, IN ACCORDANCE WITH COUNCIL'S STANDARD OR AS DIRECTED BY THE SUPERINTENDENT.
17. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL THROUGHOUT THE DURATION OF THE PROJECT.

EXISTING SERVICES

1. ALL SERVICES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND HAVE BEEN LOCATED FROM SITE INVESTIGATION AND RELEVANT AUTHORITIES PLANS. THESE SERVICES ARE NOT GUARANTEED CORRECT OR COMPLETE.
2. THE CONTRACTOR MUST OBTAIN UP-TO-DATE PLANS FROM 'DIAL BEFORE YOU DIG' BEFORE COMMENCEMENT OF WORKS. THE EXACT LOCATION OF ALL SERVICES ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS.
3. EXISTING SERVICES ARE TO BE MAINTAINED OR ADJUSTED AS DETAILED IN THE PLANS. ANY ADJUSTMENT OR PROTECTION MEASURES ARE TO BE CARRIED OUT BY ACCREDITED SERVICE PROVIDERS. REFER ANY CONFLICTS OR UNIDENTIFIED EXISTING SERVICES TO THE SUPERINTENDENT IMMEDIATELY.
4. ALL SERVICES PIT COVERS AND MARKERS ARE TO BE LAID ENTIRELY WITHIN OR OUTSIDE OF THE CONCRETE FOOTPATH.
5. WHERE SERVICES COVERS ARE LOCATED WITHIN THE FOOTPATH & ROADWAYS, INFILL COVERS WITH A PAVEMENT SIMILAR TO THAT OF THE FOOTPATH OR ADJACENT ROADWAY SHALL BE USED. PROVIDE CONCRETE INFILL WHERE COVERS ARE WITHIN LANDSCAPE.
6. ALL SERVICES COVERS TO BE PLACED AT FINISHED SURFACE LEVELS. ENSURE LONGITUDINAL AND CROSS FALL GRADES MATCH PROPOSED GRADES.

KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa, OTHERWISE AS PER COUNCIL SPECIFICATIONS.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E.J.) TO BE FORMED FROM 15mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. IN THE REPLACEMENT OF ROLLKERB AND GUTTER, EXISTING ROAD PAVEMENT IS TO BE SAWCUT 500mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW ROLLKERB AND GUTTER, NEW BASECOURSE AND SURFACE TO BE LAID 900mm WIDE U.N.O.
5. PRAM RAMP GRADES SHALL BE MAX 1 IN 14. IN SPECIAL CIRCUMSTANCES GRADES SHALL BE ABSOLUTE MAX 1 IN 10.
6. WEAKENED PLANE JOINTS TO BE A MINIMUM 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT ON INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS SHALL MATCH THE JOINT LOCATIONS IN THE SLABS.
7. RAMPED AND VEHICULAR CROSSINGS SHALL HAVE AS BROOMED FINISH WITH ALL OTHER KERBING OR DISH GUTTERS TO HAVE STEEL FLOAT FINISHED.

TREE PROTECTION NOTES

1. TREES TO BE REMOVED OR RETAINED AS NOMINATED ON THE DRAWINGS.
2. ONCE THE ALIGNMENT IS PEGGED OUT, PROTECTIVE CONSTRUCTION A SITE WALKOVER IS TO BE UNDERTAKEN WITH THE SUPERINTENDENT AND AN ARBORIST TO PROVIDE ADVICE ON ANY POTENTIAL IMPACTS TO TREES NOT SHOWN ON THE DRAWINGS.
3. THE REMOVAL OR TRIMMING OF TREES NOT NOMINATED ON THE DRAWINGS SHALL NOT BE CARRIED OUT WITHOUT APPROVAL FROM THE SUPERINTENDENT.

SITE PREPARATION NOTES

1. ORIGIN OF LEVELS AND COORDINATES TO MGA - MAP GRID AUSTRALIA
2. ASPHALTIC CONCRETE SHALL CONFORM TO RMS FORM R116.
3. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS FORM 3051 (UNBOUND), RMS FORM 3052 (BOUND) COMPACTED TO A MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF BASECOURSE MATERIAL PLACED.
4. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS FORM 3051 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF SUB-BASE COURSE MATERIAL PLACED.
5. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATION AND CONTRACT DOCUMENTS.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF WORKS, INCLUDING REPAIR AND/OR RE-ASSESSMENT OF DAMAGED SECTIONS. INSPECTIONS ARE TO BE MADE PERIODICALLY DURING PROLONGED RAINFALL EVENTS AND AFTER STORM EVENTS FOR DAMAGE.
7. ALL EXISTING TREES ON THE SITE ARE NOT TO BE DISTURBED OTHER THAN THOSE DESIGNATED ON THE PLANS FOR REMOVAL. THE SUPERINTENDENT IS TO APPROVE ALL TREES TO BE REMOVED. REMAINING TREES MUST BE PROTECTED IN ACCORDANCE TO THE SPECIFICATION.
8. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED OUT BY OTHERS (EG. ADJUSTMENT OF SERVICES), COORDINATION OF THESE WORKS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

STORMWATER NOTES

1. PIPE BEDDING MATERIAL SHALL BE CLEAN COURSE RIVER SAND WITH DEPTH AS FOLLOWS:
 - 1.1 CONCRETE AND FRC PIPES: 100mm (175mm IN ROCK)
 - 1.2 UPVC PIPE: 75mm (100mm IN ROCK)
 - 1.3 SUBSOIL: 50mm
2. BACKFILL ALL PIPES WITH GRANULAR MATERIAL SUCH AS QUARRY FINES OF COARSE RIVER SAND TO A MINIMUM OF 150mm ABOVE THE PIPE. THE GRANULAR MATERIAL SHALL BE PLACED IN 150mm THICK MAX. LAYERS COMPACTED TO ACHIEVE A DENSITY INDEX OF 70% FREQUENCIES OF COMPACTION TESTS FOR TRENCHES SHALL BE 1 TEST PER 2 LAYERS PER 40 LINEAR METRE.
3. ALL BEDDING TO BE HS3 MINIMUM.
4. PIPES GREATER THAN 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS 2' 10/20 COVER APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINT U.N.O.
5. PIPES UP TO AND INCLUDING 300 DIA. SHALL BE SEWER GRADE UPVC WITH SOLVENT WELDED JOINTS.
6. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS, UNSLOTTED UPVC SEWER GRADE PIPES SHALL BE USED.
7. ALL PITS DEEPER THAN 1.8m ARE TO BE REINFORCED CONCRETE.
8. ALL PITS, INCLUDING COUNCIL PITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 32MPa. ALL REINFORCEMENT SHALL HAVE A MINIMUM COVER OF 50mm.
9. COVERS AND GRATES SHALL CONFORM TO A.S. 3996 AND COUNCIL SPECIFICATIONS.
10. BACKFILL THE REMAINDER OF THE TRENCH ABOVE THE SAND TO SUBGRADE LEVEL WITH TRENCH MATERIAL. PLACE AND COMPACT MATERIALS IN LAYERS NOT EXCEEDING 150mm LOOSE THICKNESS. MATERIAL LOWER THAN 50mm BELOW SUBGRADE LEVEL SHALL BE COMPACTED TO A MIN. OF 95% OF STANDARD MAXIMUM DRY DENSITY. TOP 50mm BELOW PAVEMENT SUBGRADE LEVELS SHALL BE COMPACTED TO AT LEAST 100% STANDARD MAXIMUM DRY DENSITY (SMDC).
11. FILTER MATERIAL FOR SUBSOIL SHALL BE COARSE SAND OR CRUSHED STONE WHICH COMPLIES WITH ONE OF THE GRADINGS IN THE TABLE BELOW. AS SPECIFIED ON THE DRAWINGS THE 7mm CRUSHED ROCK FILTER MATERIAL SHALL BE ENCLOSED WITHIN FILTER FABRIC SHEET AS SPECIFIED. FILTER MATERIAL SHALL BE PLACED IN 250mm LAYERS AND COMPACTED TO A DENSITY INDEX OF 60%.

AS SIEVE SIZE (mm)	SAND	70mm ROCK
9.5	100	100
6.7	-	75-100
4.75	90-100	20-55
2.36	75-100	0-15
1.18	50-90	-
0.60	20-60	-
0.30	10-30	-
0.15	2-10	-
0.075	0-3	0-2

AS SIEVE SIZE (mm)	SAND	70mm ROCK
9.5	100	100
6.7	-	75-100
4.75	90-100	20-55
2.36	75-100	0-15
1.18	50-90	-
0.60	20-60	-
0.30	10-30	-
0.15	2-10	-
0.075	0-3	0-2

12. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
13. GRATES AND COVERS SHALL CONFORM WITH THE COUNCIL'S SPECIFICATION.
14. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
15. BACKFILLING OF TRENCHES SHALL BE IN ACCORDANCE WITH THE COUNCIL'S SPECIFICATIONS.
16. STEP IRONS ARE TO BE PLACED IN PITS GREATER THAN 1.2M DEEP IN ACCORDANCE WITH THE COUNCIL'S AND MANUFACTURER REQUIREMENTS.
17. SUBSOIL DRAINS ARE TO BE PROVIDED BEHIND ALL KERBS AS DIRECTED.
18. ALL PITS SHALL BE BENCHED AND FLOW STREAMLINED.
19. ALL MILD STEEL FIXTURES INCLUDING (GRATES, FRAMES, STEP IRONS, LADDERS ETC) SHALL BE HOT DIP GALVANISED WHICH SHALL COMPLY WITH THE REQUIREMENTS OF AS 1214 OR AS 1650, AS APPROPRIATE.
20. GEOTEXTILE FILTER SHALL BE PERMEABLE, NON-WOVEN FABRIC MANUFACTURED FROM A POLYPROPYLENE OR POLYESTER OF MASS GREATER THAN 135g/m².
21. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH A.S. 3500 3.1 (1998) AND AS/NZ 3500 3.2 (1998).
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MINIMUM COVER OF 600mm TO STORMWATER PIPES DURING CONSTRUCTION.

BULK EARTHWORKS NOTES

1. STRIP ALL TOPSOIL/ORGANIC MATERIAL FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCKPILE AS DIRECTED BY SUPERINTENDENT.
2. COMPACTION, TESTING, FILING, STANDARD DRY DENSITIES & MOISTURE CONTENTS TO BE IN ACCORDANCE WITH SITE GEOTECHNICAL REPORT.
3. ALL FILLING WORKS TO BE CARRIED OUT UNDER LEVEL 1 GEOTECH SUPERVISION AS PER AS 3798.
4. THE CONTRACTOR SHALL STAGE WORKS APPROPRIATELY TO MINIMISE THE DURATION STRIPPED SURFACES ARE EXPOSED.

SURVEY NOTES

1. ALL SITE SET OUT POINTS ARE TO BE CERTIFIED BY A REGISTERED SURVEYOR.
2. THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY THE REGISTERED SURVEYOR. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. MAKER DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
3. CONTACT SUPERINTENDENT IF DISCREPANCIES ARE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND FIELD DATA.
4. PROJECT COORDINATE SYSTEM USED: MGA-56 (GD494). ALL SETOUT INFORMATION AND DATUM SHALL BE CONFIRMED BY A REGISTERED SURVEYOR PRIOR TO CONSTRUCTION.

PAVEMENT NOTES

1. CONTRACTOR TO CONFIRM AND PROVIDE RELEVANT DOCUMENTATION OF THE ACTUAL SUBGRADE CONDITION PRIOR TO CONSTRUCTION. THE SUPERINTENDENT SHALL BE NOTIFIED IMMEDIATELY IF THE IN-SITU SUBGRADE CONDITION IS INCONSISTENT WITH DESIGN.
2. MATCH ALL NEW CONCRETE PATHS, KERBS AND PAVEMENTS EVENLY TO EXISTING AND MAKE GOOD ALL CONNECTIONS.
3. ALL EXPOSED SURFACES OF THE FRESHLY PLACED CONCRETE SHALL BE KEPT MOIST EITHER BY THE USE OF PLASTIC SHEETING, DAMP SAND OR COMMERCIAL CURING COMPOUNDS FOR A MINIMUM PERIOD OF 3 DAYS. DURING THIS TIME THE WORK MUST BE ADEQUATELY PROTECTED FROM TRAFFIC AND ANY OTHER CAUSES LIKELY TO DAMAGE THE CONCRETE.
4. ALL CONCRETE TO BE CLASSED 25 MPa (min) WITH MAXIMUM SIZE AGGREGATE OF 20mm, UNLESS OTHERWISE SPECIFIED.
5. FORM 300 X 300MM TRIANGULAR SPLAYS IN ALL CORNERS WHERE FOOTPATHS INTERSECT UNLESS OTHERWISE SPECIFIED.
6. SHARED PATH JOINTING AND REINFORCEMENT AS SPECIFIED ON TYPICAL DETAILS SHEET C035.

ALL NOTES ARE TO BE READ IN CONJUNCTION WITH WOLLINDILLY SHIRE COUNCIL CONSTRUCTION SPECIFICATION

REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.J.H
C.1	17.03.23	ISSUED FOR APPROVAL	J.P.P	T.J.H
C	07.10.22	ADVANCED ISSUE	J.P.P	T.J.H
B	03.06.22	ISSUED FOR APPROVAL	MAJP	T.J.H
A	29.11.21	ISSUED FOR CONSTRUCTION	J.P.P	T.J.H

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DRAWN: J.PHILLIPS DRAFT CHECK: M.HULME APPROVED: T.HOWE	DESIGNED: M.HULME DESIGN CHECK: T.HOWE APPROVED: T.HOWE	PICTON TO TAHMOOR SHAREWAY DETAILED DESIGN NOTES
NOT FOR CONSTRUCTION		DRAWING NUMBER: MKR00151-20-C001 SHEET NO: ORG. SIZE: A1 REVISION: D.1



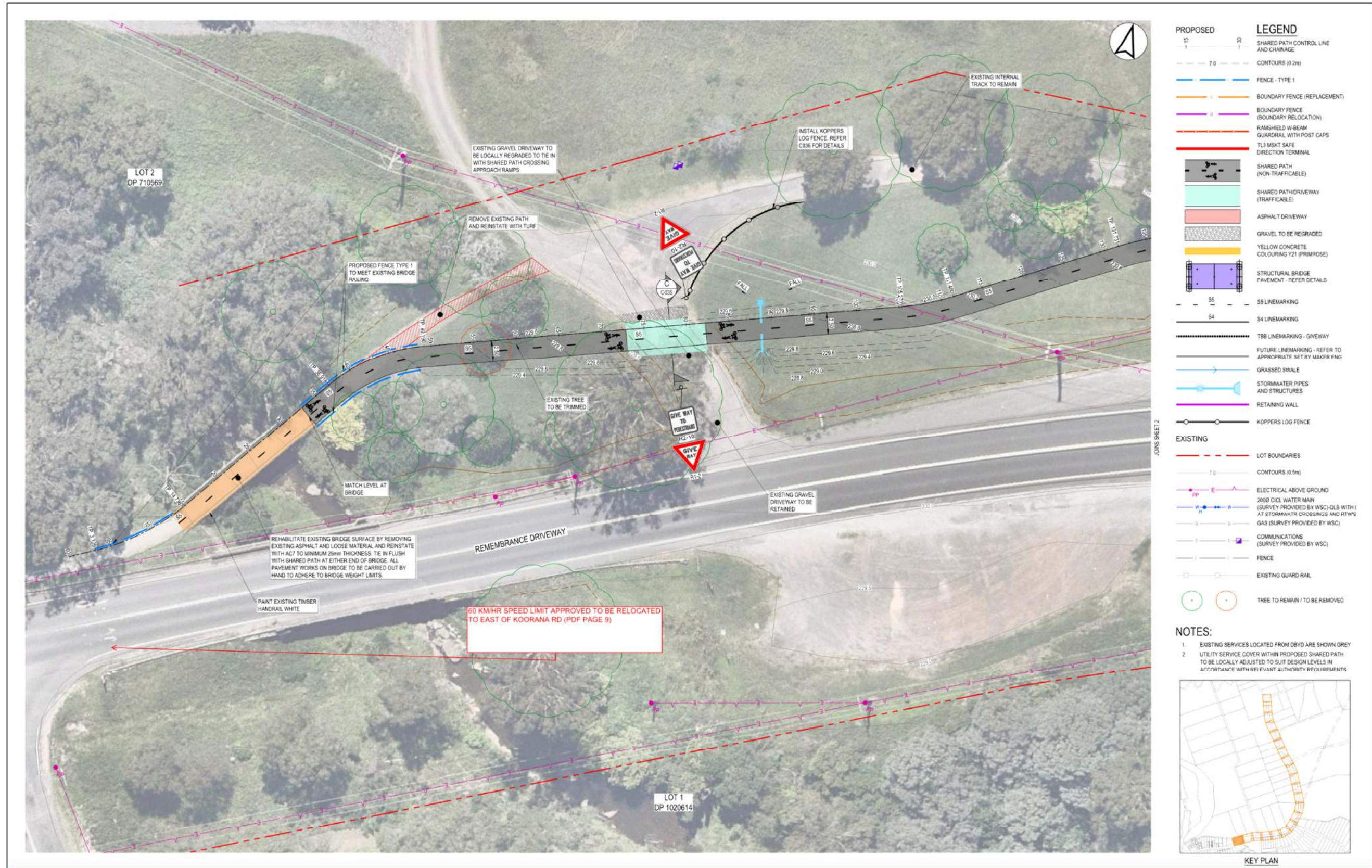


REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
C.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
C	07.10.22	ADVANCED ISSUE	JJP	T.JH
B	03.06.22	ISSUED FOR APPROVAL	MAJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH



DRAWN: J.PHILLIPS	DESIGNED: M.HULME	PICTON TO TAHMOOR SHAREWAY		
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE	DETAILED DESIGN		
APPROVED: T.HOWE		KEY PLAN		
NOT FOR CONSTRUCTION		DRAWING NUMBER MKR00151-20-C002	SHEET NO.	ORIG. SIZE A1
				REVISION D.1

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REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
C.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
C	07.10.22	ADVANCED ISSUE	JJP	T.JH
B	30.08.22	ISSUED FOR DISCUSSION	JJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH

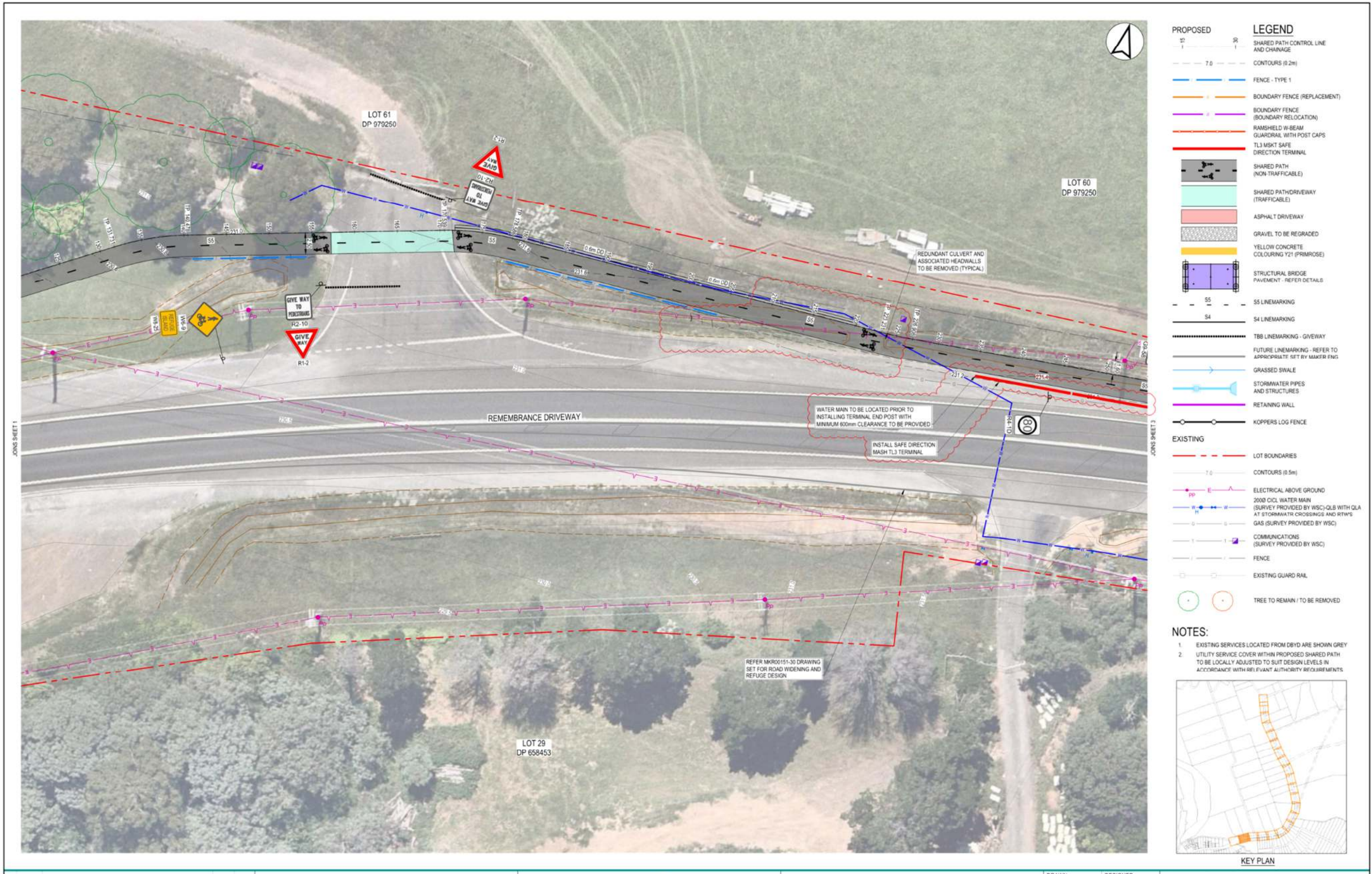


DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED: T.HOWE	

PICTON TO TAHMOOR SHAREWAY DETAILED DESIGN GENERAL ARRANGEMENT PLAN			
DRAWING NUMBER MKR00151-20-C010	SHEET NO 1 OF 21	ORG. SIZE A1	REVISION D.1

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REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.J.H
C.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.J.H
C	07.10.22	ADVANCED ISSUE	JJP	T.J.H
B	30.08.22	ISSUED FOR DISCUSSION	JJP	T.J.H
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.J.H

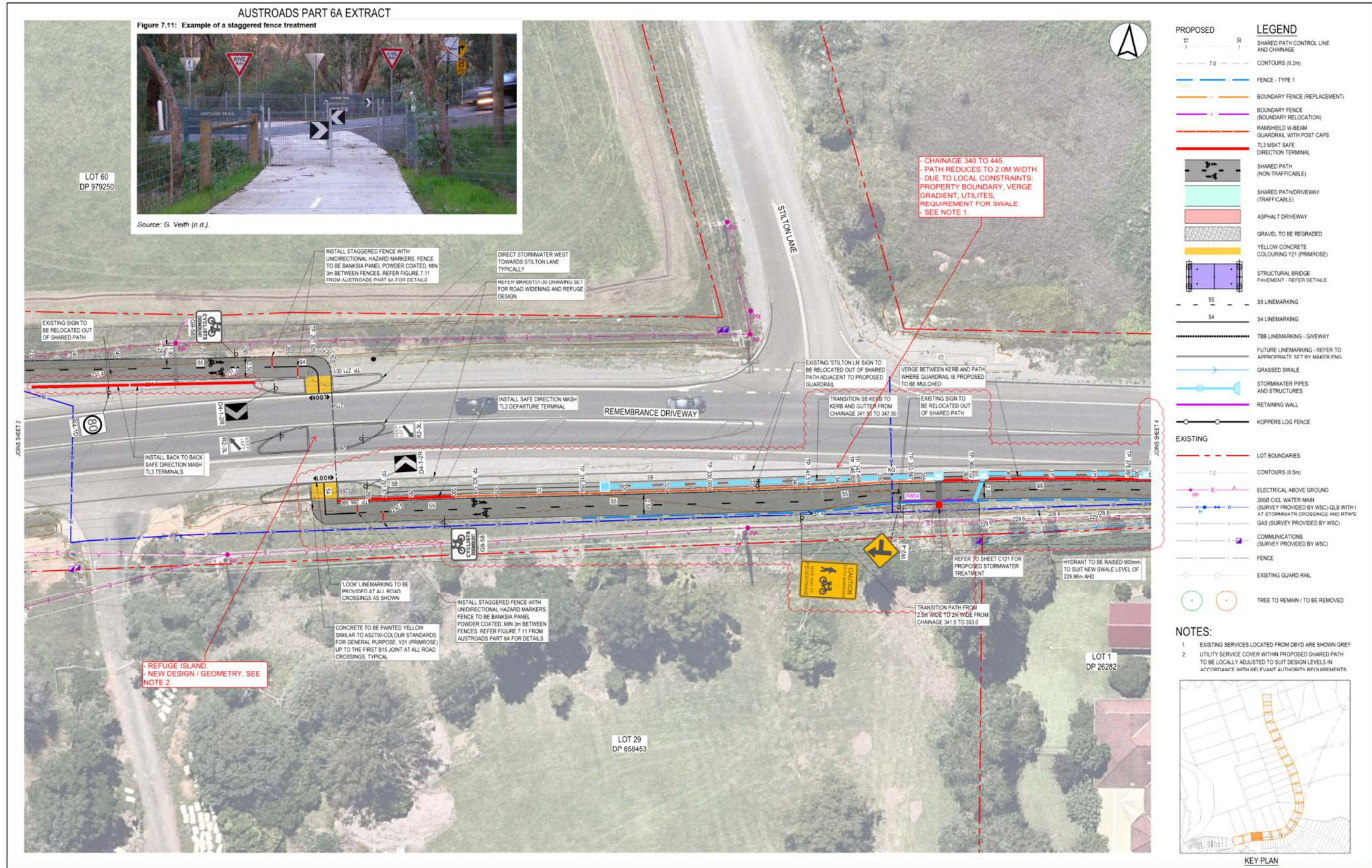


DRAWN: J.PHILLIPS
 DESIGNED: M.HULME
 DRAFT CHECK: M.HULME
 DESIGN CHECK: T.HOWE
 APPROVED: T.HOWE

PICTON TO TAHMOOR SHAREWAY
 DETAILED DESIGN
 GENERAL ARRANGEMENT PLAN

NOT FOR CONSTRUCTION	DRAWING NUMBER: MKR00151-20-C011	SHEET NO: 2 OF 21	DRG. SIZE: A1	REVISION: D.1
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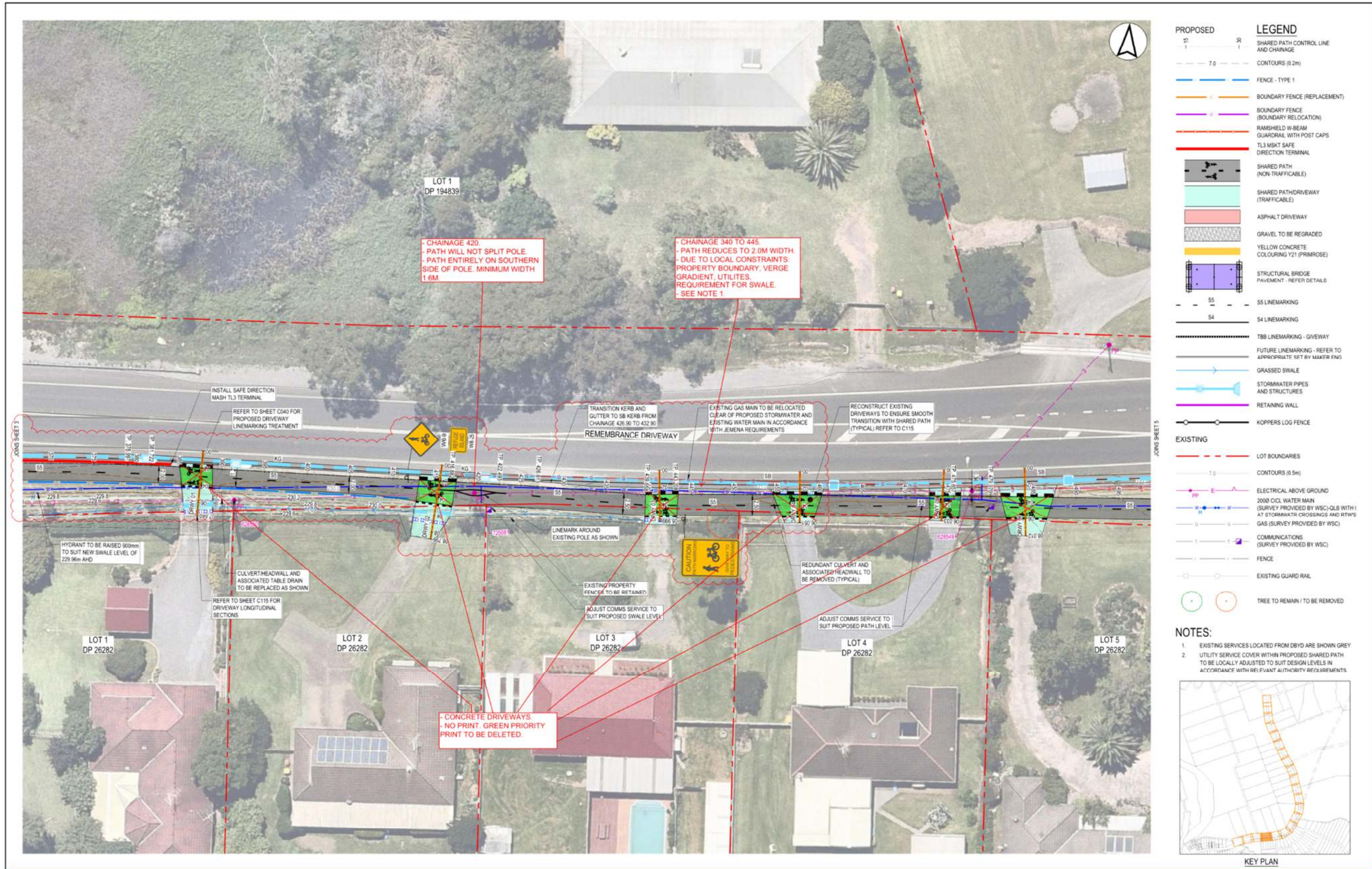


REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.J.H
C.1	17.03.23	ISSUED FOR APPROVAL	J.J.P	T.J.H
C	07.10.22	ADVANCED ISSUE	J.J.P	T.J.H
B	30.08.22	ISSUED FOR DISCUSSION	J.J.P	T.J.H
A	29.11.21	ISSUED FOR CONSTRUCTION	J.J.P	T.J.H

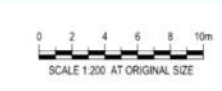


DRAWN: J.PHILLIPS	DESIGNED: M.HULME	PICTON TO TAHMOOR SHAREWAY DETAILED DESIGN GENERAL ARRANGEMENT PLAN
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE	
APPROVED: T.HOWE		
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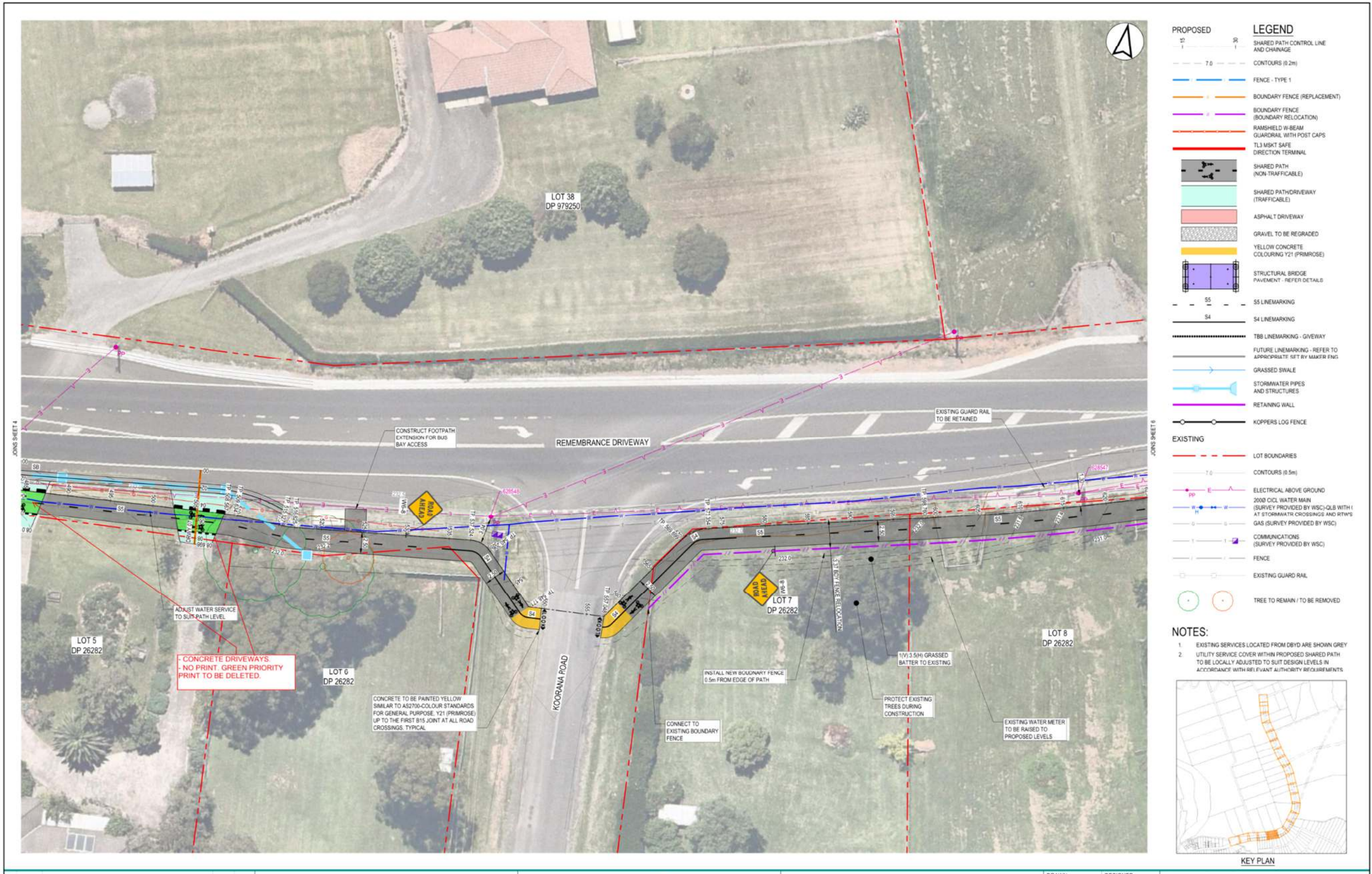
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REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.J.H
C.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.J.H
C	07.10.22	ADVANCED ISSUE	JJP	T.J.H
B	30.08.22	ISSUED FOR DISCUSSION	JJP	T.J.H
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.J.H



DRAWN: J.PHILLIPS	DESIGNED: M.HULME	PICTON TO TAHMOOR SHAREWAY		
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE	DETAILED DESIGN		
APPROVED: T.HOWE		GENERAL ARRANGEMENT PLAN		
NOT FOR CONSTRUCTION		DRAWING NUMBER: MKR00151-20-C013	SHEET NO: 4 OF 21	REV. SIZE: A1
				REVISION: D.1



PROPOSED		LEGEND	
	SHARED PATH CONTROL LINE AND CHAINAGE		CONTOURS (0.2m)
	FENCE - TYPE 1		BOUNDARY FENCE (REPLACEMENT)
	BOUNDARY FENCE (BOUNDARY RELOCATION)		RAMSHIELD W-BEAM GUARDRAIL WITH POST CAPS
	TL3 MK3 SAFE DIRECTION TERMINAL		SHARED PATH (NON-TRAFFICABLE)
	SHARED PATH (TRAFFICABLE)		ASPHALT DRIVEWAY
	GRAVEL TO BE GRADED		YELLOW CONCRETE COLOURING Y21 (PRIMROSE)
	STRUCTURAL BRIDGE PAVEMENT - REFER DETAILS		S5 LINEMARKING
	S4 LINEMARKING		TBB LINEMARKING - GIVEWAY
	FUTURE LINEMARKING - REFER TO APPROPRIATE SET BY MAKER ENG		GRASSED SWALE
	STORMWATER PIPES AND STRUCTURES		RETAINING WALL
	KOPPERS LOG FENCE		LOT BOUNDARIES
	CONTOURS (0.5m)		ELECTRICAL ABOVE GROUND
	2000 CICL WATER MAIN (SURVEY PROVIDED BY WSC) OLB WITH (AT STORMWATER CROSSINGS AND RTWS)		GAS (SURVEY PROVIDED BY WSC)
	COMMUNICATIONS (SURVEY PROVIDED BY WSC)		FENCE
	EXISTING GUARD RAIL		TREE TO REMAIN / TO BE REMOVED

- NOTES:**
- EXISTING SERVICES LOCATED FROM DBVD ARE SHOWN GREY
 - UTILITY SERVICE COVER WITHIN PROPOSED SHARED PATH TO BE LOCALLY ADJUSTED TO SUIT DESIGN LEVELS IN ACCORDANCE WITH RELEVANT AUTHORITY REQUIREMENTS.



REV	DATE	DESCRIPTION	AMD BY	APP BY
E.1	26.06.23	ISSUED FOR APPROVAL	MD	T.J.H.
D.1	17.03.23	ISSUED FOR APPROVAL	J.J.P.	T.J.H.
C.1	07.10.22	ADVANCED ISSUE	J.J.P.	T.J.H.
C.	30.08.22	ISSUED FOR DISCUSSION	J.J.P.	T.J.H.
B.	30.11.21	MINOR FENCE ADJUSTMENT	MAH	T.J.H.
A.	29.11.21	ISSUED FOR CONSTRUCTION	J.J.P.	T.J.H.

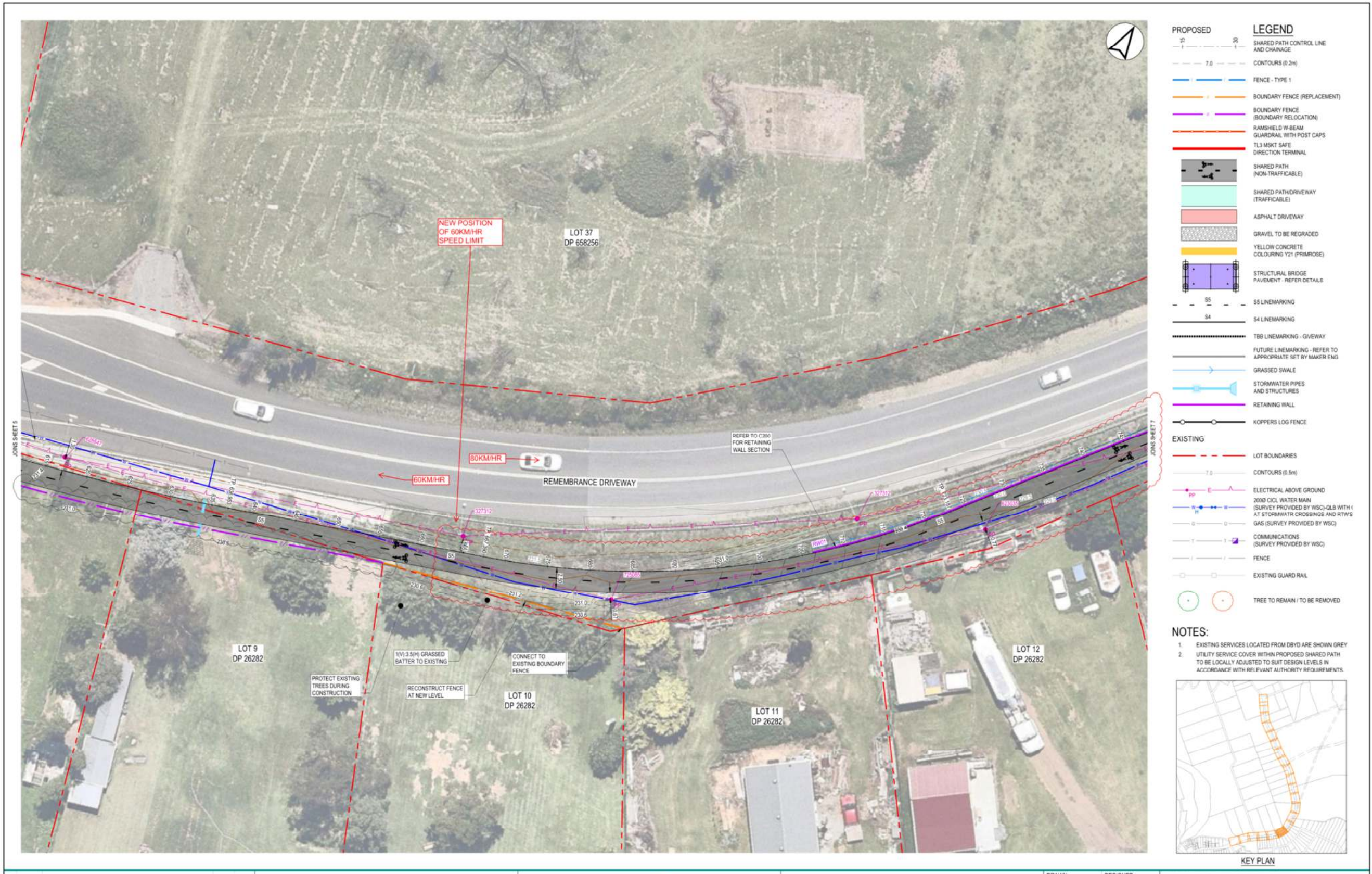


DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED: T.HOWE	

PICTON TO TAHMOOR SHAREWAY			
DETAILED DESIGN			
GENERAL ARRANGEMENT PLAN			
DRAWING NUMBER	SHEET NO.	DRG. SIZE	REVISION
MKR00151-20-C014	5 OF 21	A1	E.1

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REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
C.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
C	07.10.22	ADVANCED ISSUE	JJP	T.JH
B	30.11.21	MINOR FENCE ADJUSTMENT	MAH	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH



DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED: T.HOWE	

PICTON TO TAHMOOR SHAREWAY
DETAILED DESIGN
GENERAL ARRANGEMENT PLAN

NOT FOR CONSTRUCTION	DRAWING NUMBER MKR00151-20-C015	SHEET NO. 6 OF 21	DRG. SIZE A1	REVISION D.1
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PROPOSED		LEGEND	
	SHARED PATH CONTROL LINE AND CHAINAGE		CONTOURS (0.2m)
	FENCE - TYPE 1		BOUNDARY FENCE (REPLACEMENT)
	BOUNDARY FENCE (BOUNDARY RELOCATION)		RAMSHELD W-BEAM GUARDRAIL WITH POST CAPS
	TL3 MSKT SAFE DIRECTION TERMINAL		SHARED PATH (NON-TRAFFICABLE)
	SHARED PATH DRIVEWAY (TRAFFICABLE)		ASPHALT DRIVEWAY
	GRAVEL TO BE REGRADED		YELLOW CONCRETE COLOURING Y21 (PRIMROSE)
	STRUCTURAL BRIDGE PAVEMENT - REFER DETAILS		S5 LINEMARKING
	S4 LINEMARKING		TBB LINEMARKING - GIVEWAY
	FUTURE LINEMARKING - REFER TO APPROPRIATE SET BY MAKER ENG		GRASSED SWALE
	STORMWATER PIPES AND STRUCTURES		RETAINING WALL
	KOPPERS LOG FENCE		LOT BOUNDARIES
	CONTOURS (0.5m)		ELECTRICAL ABOVE GROUND
	2000 CICL WATER MAIN (SURVEY PROVIDED BY WSC)-GLB WITH (AT STORMWATER CROSSINGS AND RTWS)		GAS (SURVEY PROVIDED BY WSC)
	COMMUNICATIONS (SURVEY PROVIDED BY WSC)		FENCE
	EXISTING GUARD RAIL		TREE TO REMAIN / TO BE REMOVED

- NOTES:**
- EXISTING SERVICES LOCATED FROM DBYD ARE SHOWN GREY
 - UTILITY SERVICE COVER WITHIN PROPOSED SHARED PATH TO BE LOCALLY ADJUSTED TO SUIT DESIGN LEVELS IN ACCORDANCE WITH RELEVANT AUTHORITY REQUIREMENTS.



REV	DATE	DESCRIPTION	AMD BY	APP BY
C.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
B.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
B	07.10.22	ADVANCED ISSUE	JJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH



DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED: T.HOWE	

PICTON TO TAHMOOR SHAREWAY DETAILED DESIGN GENERAL ARRANGEMENT PLAN			
DRAWING NUMBER: MKR00151-20-C016	SHEET NO: 7 OF 21	DRG. SIZE: A1	REVISION: C.1

NOT FOR CONSTRUCTION



REV	DATE	DESCRIPTION	AMD BY	APP BY
C.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
B.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
B	07.10.22	ADVANCED ISSUE	JJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH



DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED: T.HOWE	

PICTON TO TAHMOOR SHAREWAY DETAILED DESIGN GENERAL ARRANGEMENT PLAN			
DRAWING NUMBER MKR00151-20-C017	SHEET NO. 8 OF 21	DRG. SIZE A1	REVISION C.1

NOT FOR CONSTRUCTION

makereng.com.au/Projects/MKR00151-Picton-to-Tahmoor-Shareway/20-Detailed-Design/MKR00151-20-C017.dwg



REV	DATE	DESCRIPTION	AMD BY	APP BY
C.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
B.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
B	07.10.22	ADVANCED ISSUE	JJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH

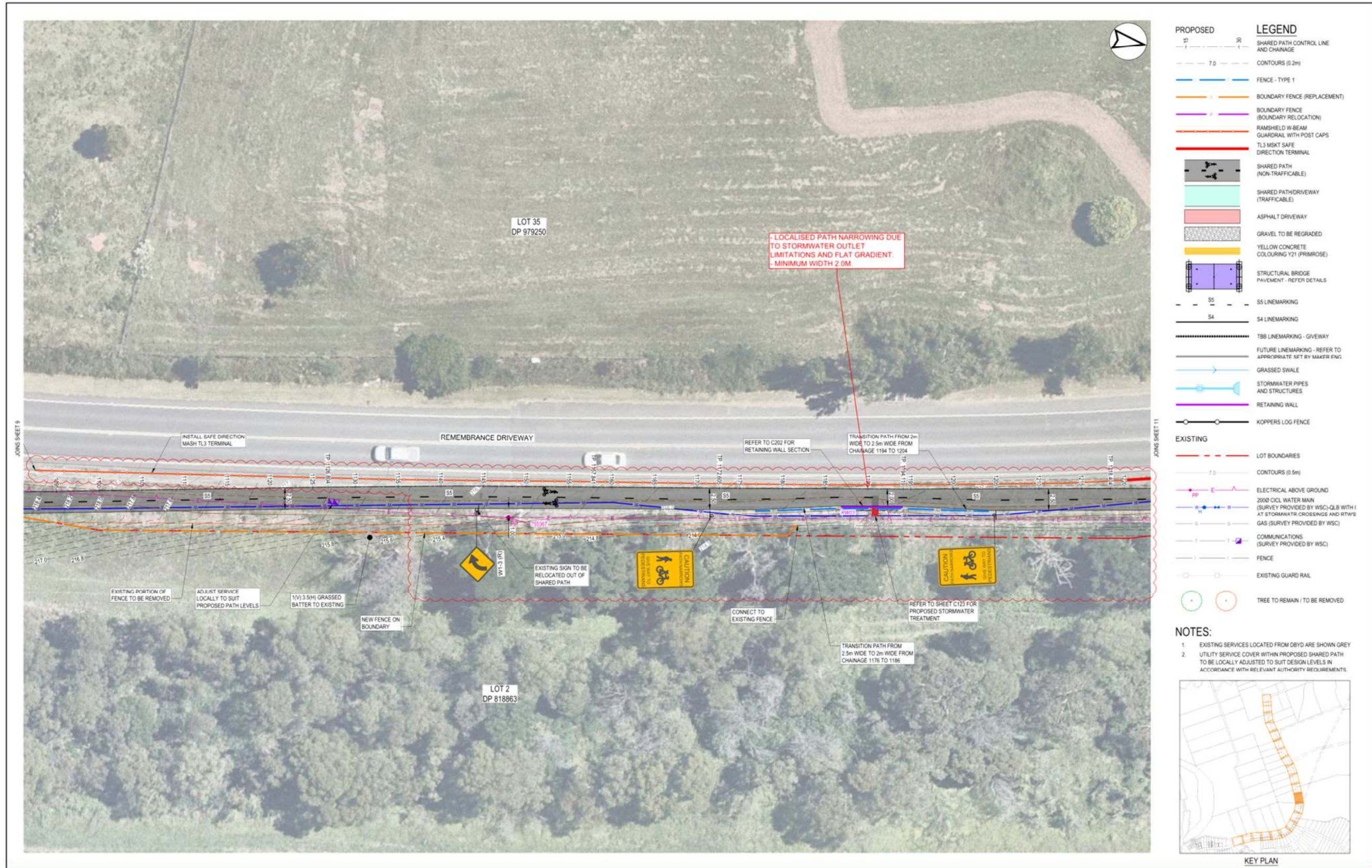


DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED: T.HOWE	

PICTON TO TAHMOOR SHAREWAY
DETAILED DESIGN
GENERAL ARRANGEMENT PLAN

NOT FOR CONSTRUCTION	DRAWING NUMBER MKR00151-20-C018	SHEET NO. 9 OF 21	DRG. SIZE A1	REVISION C.1
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makereng.com.au/Projects/MKR00151-Picton-to-Tahmoor-Shareway/20-Detailed-Design/MKR00151-20-C018.dwg

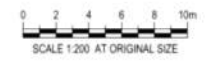


PROPOSED		LEGEND	
	SHARED PATH CONTROL LINE AND CHAINAGE		CONTOURS (0.2m)
	FENCE - TYPE 1		BOUNDARY FENCE (REPLACEMENT)
	BOUNDARY FENCE (BOUNDARY RELOCATION)		RAMSHIELD W-BEAM GUARDRAIL WITH POST CAPS
	TL3 MS&T SAFE DIRECTION TERMINAL		SHARED PATH (NON-TRAFFICABLE)
	SHARED PATH (TRAFFICABLE)		ASPHALT DRIVEWAY
	GRAVEL TO BE GRADED		YELLOW CONCRETE COLOURING Y21 (PRIMROSE)
	STRUCTURAL BRIDGE PAVEMENT - REFER DETAILS		S5 LINE MARKING
	S4 LINE MARKING		TBB LINE MARKING - GATEWAY
	FUTURE LINE MARKING - REFER TO APPROPRIATE SET BY MAKER ENG		GRASSED SWALE
	STORMWATER PIPES AND STRUCTURES		RETAINING WALL
	KOPPERS LOG FENCE		LOT BOUNDARIES
	CONTOURS (0.5m)		ELECTRICAL ABOVE GROUND
	2000 CICL WATER MAN (SURVEY PROVIDED BY WSC) - QLB WITH I AT STORMWATER CROSSINGS AND RTWS		GAS (SURVEY PROVIDED BY WSC)
	COMMUNICATIONS (SURVEY PROVIDED BY WSC)		FENCE
	EXISTING GUARD RAIL		TREE TO REMAIN / TO BE REMOVED

- NOTES:**
- EXISTING SERVICES LOCATED FROM DBYD ARE SHOWN GREY
 - UTILITY SERVICE COVER WITHIN PROPOSED SHARED PATH TO BE LOCALLY ADJUSTED TO SUIT DESIGN LEVELS IN ACCORDANCE WITH RELEVANT AUTHORITY REQUIREMENTS.



REV	DATE	DESCRIPTION	AMD BY	APP BY
C.1	26.06.23	ISSUED FOR APPROVAL	MD	T.J.H
B.1	17.03.23	ISSUED FOR APPROVAL	J.P	T.J.H
B	07.10.22	ADVANCED ISSUE	J.P	T.J.H
A	29.11.21	ISSUED FOR CONSTRUCTION	J.P	T.J.H



DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED: T.HOWE	

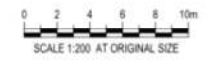
PICTON TO TAHMOOR SHAREWAY DETAILED DESIGN GENERAL ARRANGEMENT PLAN			
DRAWING NUMBER: MKR00151-20-C019	SHEET NO: 10 OF 21	ORG. SIZE: A1	REVISION: C.1

NOT FOR CONSTRUCTION

makers.makereng.com.au/Projects/MKR00151-Picton-to-Tahmoor-Shareway/20-Drawings/20-1-04/20-Detailed-Design/MKR00151-20-C019.dwg



REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
C.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
C	07.10.22	ADVANCED ISSUE	JJP	T.JH
B	03.06.22	ISSUED FOR APPROVAL	MAJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH



DRAWN: J.PHILLIPS	DESIGNED: M.HULME	PICTON TO TAHMOOR SHAREWAY DETAILED DESIGN GENERAL ARRANGEMENT PLAN		
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE	DRAWING NUMBER MKR00151-20-C020	SHEET No. 11 OF 21	DRG. SIZE A1
APPROVED: T.HOWE				REVISION D.1
NOT FOR CONSTRUCTION				

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REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.J.H
C.1	17.03.23	ISSUED FOR APPROVAL	J.J.P	T.J.H
C	07.10.22	ADVANCED ISSUE	J.J.P	T.J.H
B	03.06.22	ISSUED FOR APPROVAL	MAJP	T.J.H
A	29.11.21	ISSUED FOR CONSTRUCTION	J.J.P	T.J.H

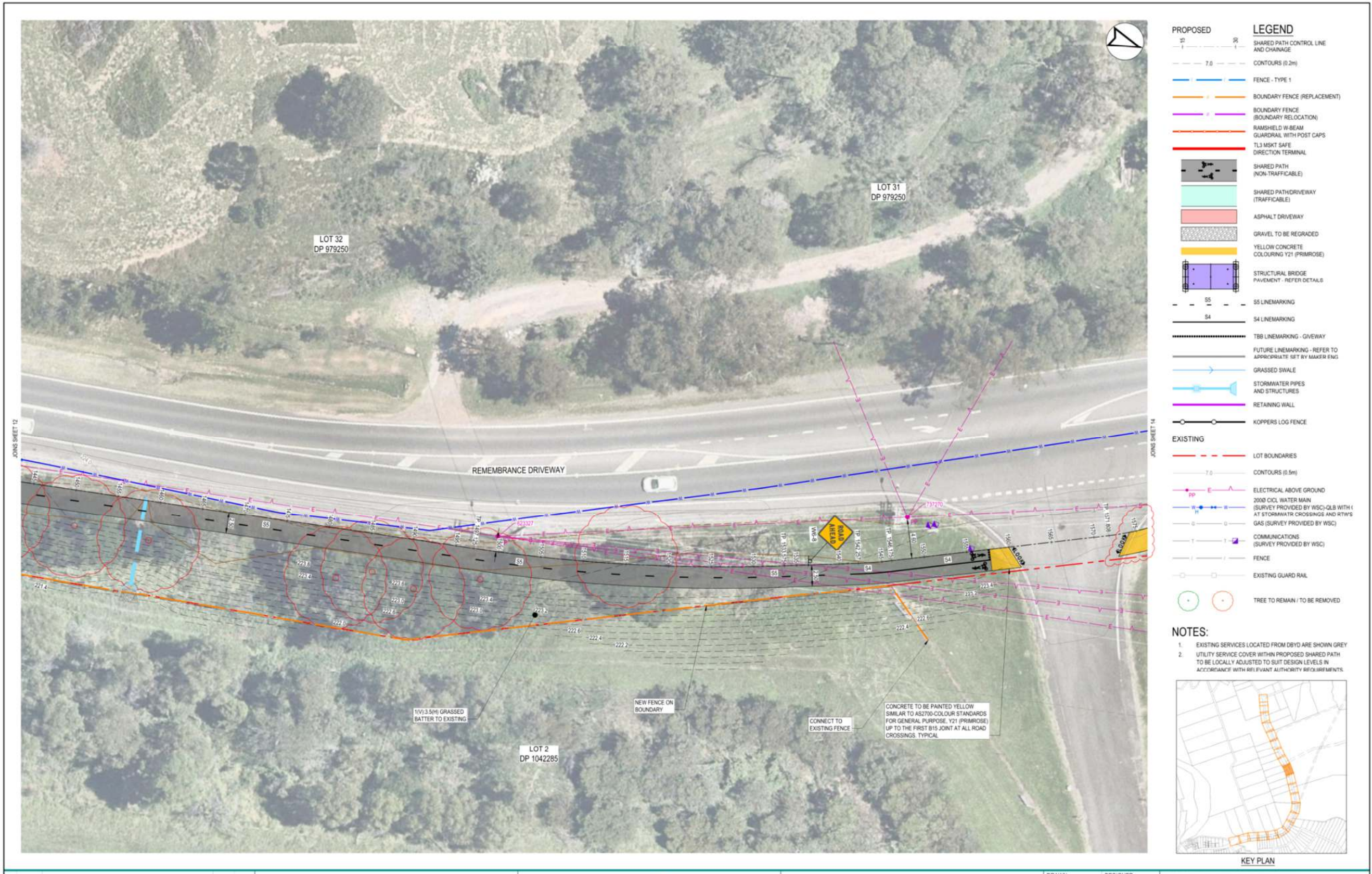


DRAWN: J.PHILLIPS
 DESIGNED: M.HULME
 DRAFT CHECK: M.HULME
 DESIGN CHECK: T.HOWE
 APPROVED: T.HOWE

PICTON TO TAHMOOR SHAREWAY
 DETAILED DESIGN
 GENERAL ARRANGEMENT PLAN

NOT FOR CONSTRUCTION	DRAWING NUMBER: MKR00151-20-C021	SHEET No: 12 OF 21	DRG. SIZE: A1	REVISION: D.1
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makereng.com.au/Projects/MKR00151-Picton-to-Tahmoor-Shareway/20-Detailed-Design/MKR00151-20-C021.dwg



REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.J.H
C.1	17.03.23	ISSUED FOR APPROVAL	J.J.P	T.J.H
C	07.10.22	ADVANCED ISSUE	J.J.P	T.J.H
B	03.06.22	ISSUED FOR APPROVAL	MAJP	T.J.H
A	29.11.21	ISSUED FOR CONSTRUCTION	J.J.P	T.J.H



DRAWN: J.PHILLIPS
DESIGNED: M.HULME
DRAFT CHECK: M.HULME
DESIGN CHECK: T.HOWE
APPROVED: T.HOWE

PICTON TO TAHMOOR SHAREWAY
DETAILED DESIGN
GENERAL ARRANGEMENT PLAN

NOT FOR CONSTRUCTION	DRAWING NUMBER: MKR00151-20-C022	SHEET No: 13 OF 21	DRG. SIZE: A1	REVISION: D.1
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makereng.com.au/Projects/MKR00151-Picton-to-Tahmoor-Shareway/20-Detailed-Design/MKR00151-20-C022.dwg



REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.J.H
C.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.J.H
C	07.10.22	ADVANCED ISSUE	JJP	T.J.H
B	03.06.22	ISSUED FOR APPROVAL	MAJP	T.J.H
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.J.H



DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED: T.HOWE	

PICTON TO TAHMOOR SHAREWAY DETAILED DESIGN GENERAL ARRANGEMENT PLAN			
DRAWING NUMBER MKR00151-20-C023	SHEET No 14 OF 21	DRG. SIZE A1	REVISION D.1

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Michael Dwyer: 0742023 338 PM

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REV	DATE	DESCRIPTION	AMD BY	APP BY
D.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
C.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
C	07.10.22	ADVANCED ISSUE	JJP	T.JH
B	03.06.22	ISSUED FOR APPROVAL	MAJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH



DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED:	T.HOWE

PICTON TO TAHMOOR SHAREWAY
DETAILED DESIGN
GENERAL ARRANGEMENT PLAN

NOT FOR CONSTRUCTION	DRAWING NUMBER MKR00151-20-C024	SHEET No. 15 OF 21	DRG. SIZE A1	REVISION D.1
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REV	DATE	DESCRIPTION	AMD BY	APP BY
C.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
B.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
B	03.06.22	ISSUED FOR APPROVAL	MAJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH



DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED: T.HOWE	

PICTON TO TAHMOOR SHAREWAY
DETAILED DESIGN
GENERAL ARRANGEMENT PLAN

NOT FOR CONSTRUCTION	DRAWING NUMBER MKR00151-20-C025	SHEET NO. 16 OF 21	DRG. SIZE A1	REVISION C.1
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REV	DATE	DESCRIPTION	AMD BY	APP BY
C.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
B.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
B	06.10.22	ADVANCED ISSUE	JJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH



DRAWN: J.PHILLIPS
DESIGNED: M.HULME
DRAFT CHECK: M.HULME
DESIGN CHECK: T.HOWE
APPROVED: T.HOWE

PICTON TO TAHMOOR SHAREWAY
DETAILED DESIGN
GENERAL ARRANGEMENT PLAN

NOT FOR CONSTRUCTION	DRAWING NUMBER: MKR00151-20-C026	SHEET No: 17 OF 21	DRG. SIZE: A1	REVISION: C.1
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REV	DATE	DESCRIPTION	AMD BY	APP BY
C.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
B.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
B	07.10.22	ADVANCED ISSUE	JJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH



DRAWN: J.PHILLIPS	DESIGNED: M.HULME	PICTON TO TAHMOOR SHAREWAY		
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE	DETAILED DESIGN		
APPROVED: T.HOWE		GENERAL ARRANGEMENT PLAN		
NOT FOR CONSTRUCTION		DRAWING NUMBER: MKR00151-20-C027	SHEET No: 18 OF 21	ORIG. SIZE: A1
				REVISION: C.1

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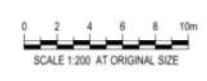


PROPOSED		LEGEND	
	SHARED PATH CONTROL LINE AND CHAINAGE		CONTOURS (0.2m)
	FENCE - TYPE 1		BOUNDARY FENCE (REPLACEMENT)
	BOUNDARY FENCE (BOUNDARY RELOCATION)		RAMSHIELD W-BEAM GUARDRAIL WITH POST CAPS
	TL3 MSKT SAFE DIRECTION TERMINAL		SHARED PATH (NON-TRAFFICABLE)
	SHARED PATH (TRAFFICABLE)		ASPHALT DRIVEWAY
	GRAVEL TO BE REGRADED		YELLOW CONCRETE COLOURING Y21 (PRIMROSE)
	STRUCTURAL BRIDGE PAVEMENT - REFER DETAILS		S5 LINEMARKING
	S4 LINEMARKING		TBB LINEMARKING - GIVEWAY
	FUTURE LINEMARKING - REFER TO APPROPRIATE SET BY MAKER ENG		GRASSED SWALE
	STORMWATER PIPES AND STRUCTURES		RETAINING WALL
	KOPPERS LOG FENCE		LOT BOUNDARIES
	CONTOURS (0.5m)		ELECTRICAL ABOVE GROUND
	2000 CICL WATER MAIN (SURVEY PROVIDED BY WSC)-GLB WITH (AT STORMWATER CROSSINGS AND RTWS)		GAS (SURVEY PROVIDED BY WSC)
	COMMUNICATIONS (SURVEY PROVIDED BY WSC)		FENCE
	EXISTING GUARD RAIL		TREE TO REMAIN / TO BE REMOVED

- NOTES:**
- EXISTING SERVICES LOCATED FROM DBVD ARE SHOWN GREY
 - UTILITY SERVICE COVER WITH PROPOSED SHARED PATH TO BE LOCALLY ADJUSTED TO SUIT DESIGN LEVELS IN ACCORDANCE WITH RELEVANT AUTHORITY REQUIREMENTS.



REV	DATE	DESCRIPTION	AMD BY	APP BY
C.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
B.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
B	07.10.22	ADVANCED ISSUE	JJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH

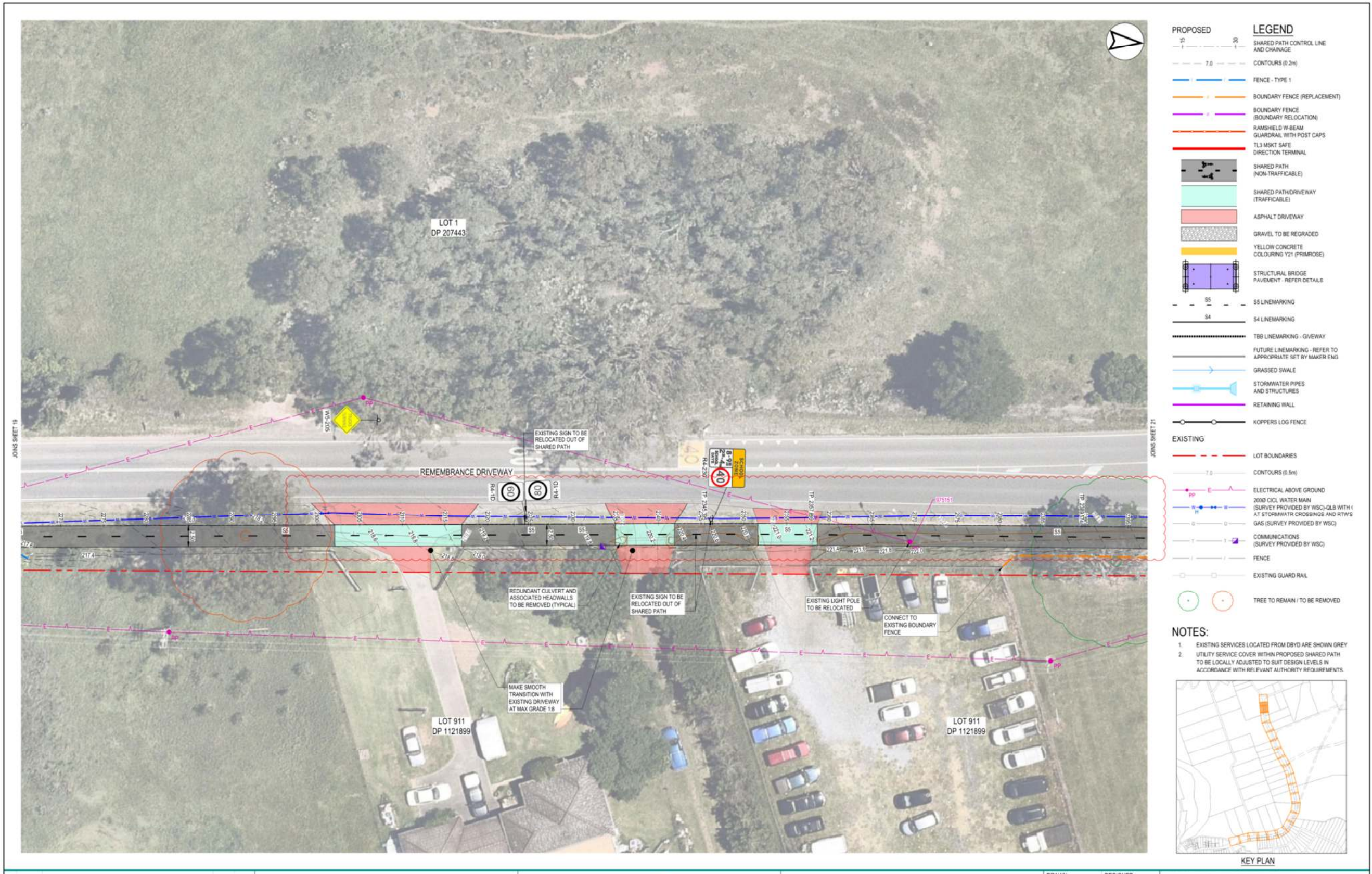


DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED: T.HOWE	

PICTON TO TAHMOOR SHAREWAY DETAILED DESIGN GENERAL ARRANGEMENT PLAN			
DRAWING NUMBER: MKR00151-20-C028	SHEET No: 19 OF 21	DRG. SIZE: A1	REVISION: C.1

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REV	DATE	DESCRIPTION	AMD BY	APP BY
C.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
B.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
B	07.10.22	ADVANCED ISSUE	JJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH

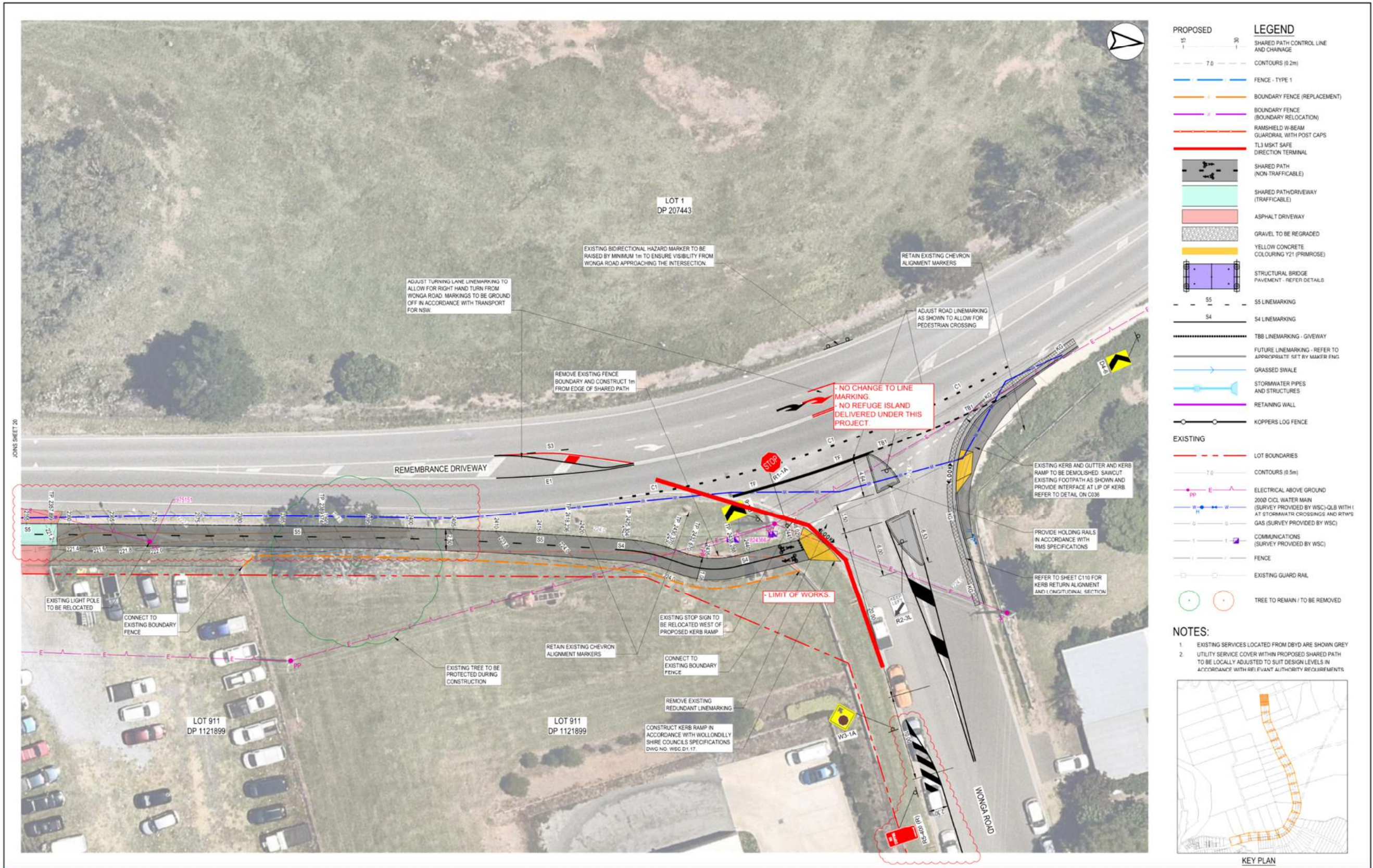


DRAWN: J.PHILLIPS
 DESIGNED: M.HULME
 DRAFT CHECK: M.HULME
 DESIGN CHECK: T.HOWE
 APPROVED: T.HOWE

PICTON TO TAHMOOR SHAREWAY DETAILED DESIGN GENERAL ARRANGEMENT PLAN			
DRAWING NUMBER	SHEET No.	DRG. SIZE	REVISION
MR00151-20-C029	20 OF 21	A1	C.1

NOT FOR CONSTRUCTION

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PROPOSED		LEGEND	
	SHARED PATH CONTROL LINE AND CHAINAGE		CONTOURS (0.2m)
	FENCE - TYPE 1		BOUNDARY FENCE (REPLACEMENT)
	BOUNDARY FENCE (BOUNDARY RELOCATION)		RAMSHIELD W-BEAM GUARDRAIL WITH POST CAPS
	TL3 MSKT SAFE DIRECTION TERMINAL		SHARED PATH (NON-TRAFFICABLE)
	SHARED PATH (TRAFFICABLE)		ASPHALT DRIVEWAY
	GRAVEL TO BE REGRADED		YELLOW CONCRETE COLOURING Y21 (PRIMROSE)
	STRUCTURAL BRIDGE PAVEMENT - REFER DETAILS		S5 LINE MARKING
	S4 LINE MARKING		TBS LINE MARKING - GIVEAWAY
	FUTURE LINE MARKING - REFER TO APPROPRIATE SET BY MAKER ENG		GRASSED SWALE
	STORMWATER PIPES AND STRUCTURES		RETAINING WALL
	KOPPERS LOG FENCE		LOT BOUNDARIES
	CONTOURS (0.5m)		ELECTRICAL ABOVE GROUND
	2000 CICL WATER MAIN (SURVEY PROVIDED BY WSC)-QLB WITH (AT STORMWATER CROSSINGS AND RTWS) GAS (SURVEY PROVIDED BY WSC)		COMMUNICATIONS (SURVEY PROVIDED BY WSC)
	FENCE		EXISTING GUARD RAIL
	TREE TO REMAIN / TO BE REMOVED		

NOTES:

- EXISTING SERVICES LOCATED FROM DBYD ARE SHOWN GREY
- UTILITY SERVICE COVER WITHIN PROPOSED SHARED PATH TO BE LOCALLY ADJUSTED TO SUIT DESIGN LEVELS IN ACCORDANCE WITH RELEVANT AUTHORITY REQUIREMENTS.



REV	DATE	DESCRIPTION	AMD BY	APP BY
C.1	26.06.23	ISSUED FOR APPROVAL	MD	T.JH
B.1	17.03.23	ISSUED FOR APPROVAL	JJP	T.JH
B	07.10.22	ADVANCED ISSUE	JJP	T.JH
A	29.11.21	ISSUED FOR CONSTRUCTION	JJP	T.JH



DRAWN: J.PHILLIPS	DESIGNED: M.HULME
DRAFT CHECK: M.HULME	DESIGN CHECK: T.HOWE
APPROVED: T.HOWE	

PICTON TO TAHMOOR SHAREWAY DETAILED DESIGN GENERAL ARRANGEMENT PLAN			
DRAWING NUMBER: MKR00151-20-C030	SHEET No: 21 OF 21	DRG. SIZE: A1	REVISION: C.1

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Note 1

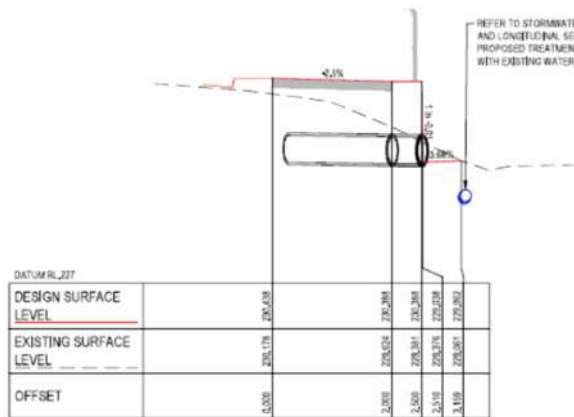
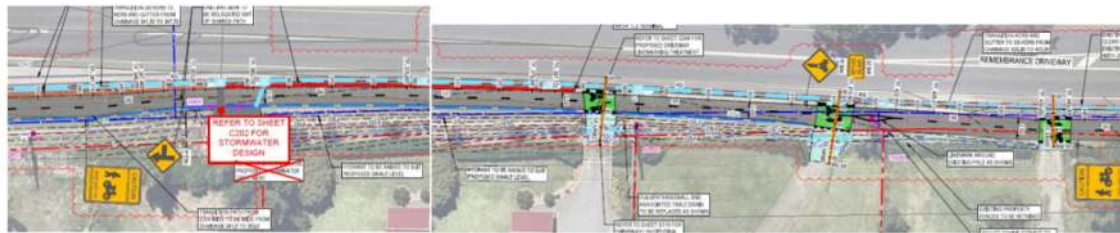
Path narrows to 2m width through chainages 355 to 435 due to site constraints.

Flooding of area requires the existing swale to be retained.

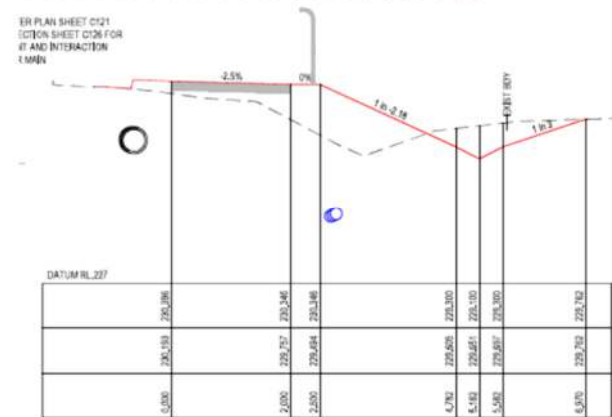
Verge grade is negative. Road is higher than property boundary reducing ability to accommodate swale and forcing path to grade towards properties.

Power poles house both low and high voltage. Utilities too extensive and expensive to relocate. Therefore, path must narrow to accommodate. Path will not split pole as per drawing. Path to narrow to minimum 1.6m to south of pole.

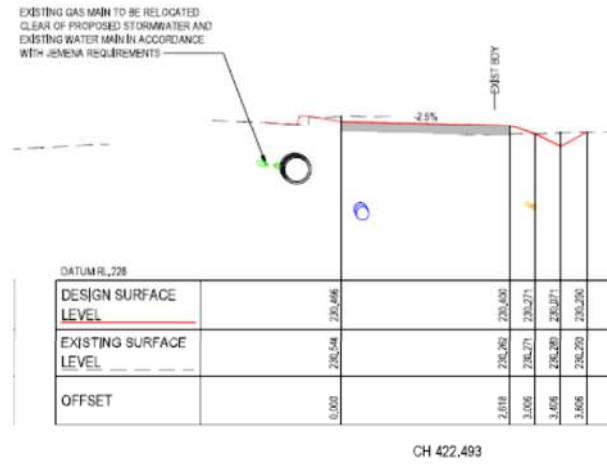
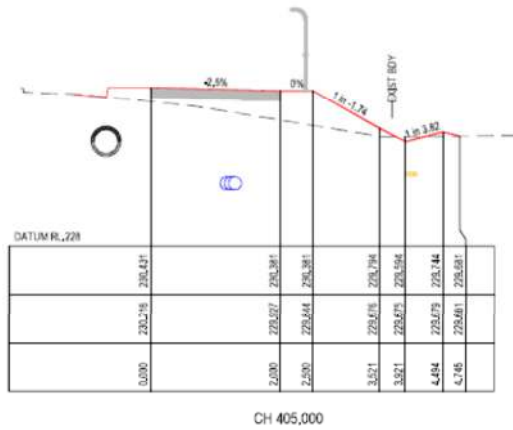
Stormwater pipes cannot extend to allow wider path as Sydney Water require asset relocation which is too expensive.



CH 360,702

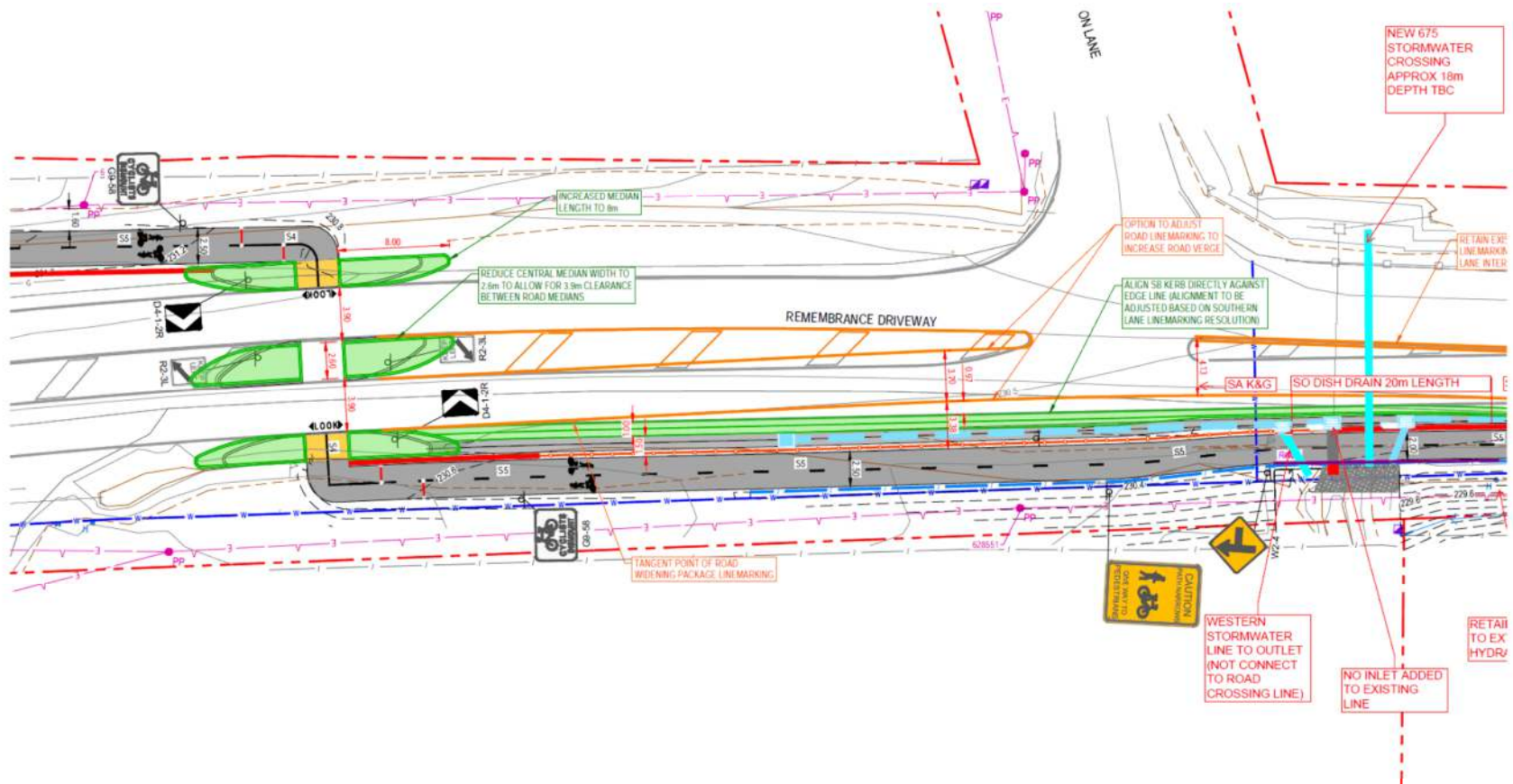


CH 378,894



Note 2

Refuge island new geometry. Road speed limit being reduce from 80 to 60 km/hr before path opened to public.



2 GENERAL BUSINESS

No reports this meeting