DRAWING REGISTER

DRAWING TITLE

DRAWING NO

C001

C002

C004

C006

C007

C008

C009

C010

C012

C013

C014

ITLE SHEET

OVERALL PLAN

GENERAL LAYOUT PLAN

SURVEY SETOUT PLAN

EXISTING CONDITIONS AND DEMOLITION PLAN

GENERAL LAYOUT PLAN (CONCEPT ONLY)

GENERAL LAYOUT PLAN (CONCEPT ONLY)

TYPICAL SECTIONS A-A, B-B, C-C AND D-D

LONGITUDINAL SECTION - LIP OF KERB 'A' - (LOK A)

LONGITUDINAL SECTION - CENTRELINE 'B' - (CL B)

VEHICLE CROSSING VERTICAL CLEARANCE CHECKS

PAVEMENT LEVELS PLAN - EXISTING vs. FINISHED SURFACE

LONGITUDINAL SECTION - FRONT OF FOOTPATH 'C' - (FOFP C)

CROSS SECTIONS - LIP OF KERB 'A' - CH 5.000 A - CH 45.872 A

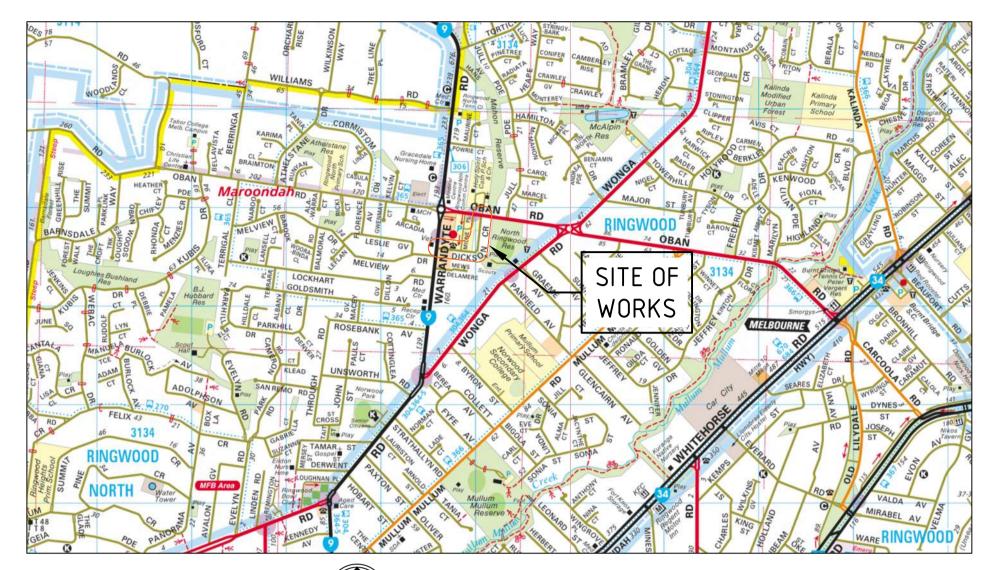
CROSS SECTIONS - LIP OF KERB 'A' - CH 49.000 A - CH 95.000 A

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

WARNING

SERVICES ARE SHOWN

DICKSON CRESCENT, RINGWOOD NORTH, VIC 3134



LOCALITY PLAN

THE CONTRACTOR IS TO ENGAGE THE GEOTECHNICAL ENGINEER TO APPROVE ALL FILL MATERIALS PRIOR TO PLACEMENT, SUBGRADE PRIOR TO PLACEMENT OF FILL, COMPACTION OF FILL

SUBGRADE PREPARATION AND EARTHWORKS - PAVEMENTS

- UNDER ALL PAVEMENT AREAS STRIP ALL TOPSOIL AND PREPARE FOR PAVEMENT AS PER DETAIL. CUT AND FILL AS REQUIRED TO PRODUCE FINISHED SURFACE LEVEL AS SPECIFIED LESS PAVEMENT THICKNESS AS SHOWN ON
- COMPACT CUT SURFACE TO 98% STANDARD MAXIMUM DRY DENSITY (SMDD).
- ALL PLUMBING AND DRAINAGE WORK IS TO BE COMPLETED IN ACCORDANCE WITH AS3500:2018 AND ANY OTHER RELEVANT CODES OF THE MOISTURE CONTENT OF THE SUBGRADE OR FILL SHOULD BE WITHIN 85%-115% OF THE STANDARD OPTIMUM MOISTURE CONTENT
 - PRIOR TO PLACEMENT OF FILL OR PAVEMENT REMOVE AND REPLACE SOFT OR UNSTABLE SUBGRADE WITH CLEAN WELL GRADED APPROVED MATERIAL TO 98% SMDD. PROOF ROLL SUBGRADE SURFACE WITH A DUAL WHEELED PNEUMATIC TYRED VEHICLE (MIN. 9.4 ONNE LOADED AXLE) AND MAKE GOOD TO ANY SOFT SPOTS
 - EXCAVATED AND PREPARED SURFACES UNDER ALL PAVEMENTS SHALL BE SPRAYED WITH AN APPROVED WEED KILLER. CARE MUST BE TAKEN TO AVOID CONTAMINATING GARDEN BEDS AND LAWN AREAS.
 - 8. FILLING SHALL BE CLEAN WELL GRADED GRANULAR MATERIAL COMPACTED TO 95% MMDD IN MAX.200mm LOOSE THICKNESS LAYERS. EROSION CONTROL PLAN OR APPROVED IMPORTED CLAY FILL COMPACTED TO 98% SMDD IN 150mm LAYERS
- CUT OR BACKFILL AREA BEHIND KERBING TO TOP OF KERB AND GRADE TO 1 IN 4 MAX SLOPE TO MATCH EXISTING SURFACE LEVELS. CONTRACTOR IS TO SUPPLY A RATE TO DEAL WITH SOFT SPOTS. THE RATE IS TO INCLUDE EXCAVATION AND REMOVAL OF SPOIL AG DRAINS (SUBSOIL DRAINS) ARE TO BE INSTALLED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-103 OFF SITE: RATE IS TO BE CALCULATED PER CUBIC METRE OF BACKFILL

98%SMDD IS APPROXIMATELY EQUIVALENT TO 95%MMDD OR 75% MINIMUM DENSITY INDEX AS NOTED IN TABLE 5.1 OF AS3798-2007

GENERAL NOTES

SEDIMENT AND EROSION CONTROL

- SOIL CONTROL MEASURES MUST BE ADOPTED AT ALL TIMES TO THE SATISFACTION OF COUNCILS DESIGN ENGINEER AND THE FACILITIES MANAGER DURING THE DURATION OF THE CONTRACT. SITE CONTROLS AND EROSION MINIMISATION TECHNIQUES AR TO BE IN ACCORDANCE WITH THE INSTITUTE OF ENGINEERS AUSTRALIA PUBLICATION 'SOIL EROSION AND SEDIMENT CONTROL' EPA GUIDELINES AND OTHER CONTRACT DOCUMENTATION INCLUDING THIS PLAN.
- SITE ESTABLISHMENT AND STRIPPING TOPSOIL STOCKPILE SOIL IN ALLOCATED LOCATION AND PROVIDE SILT CONTROL BARRIERS IF STOCKPILE IS LEFT OVERNIGHT. WASH DOWN ANY VEHICLES LEAVING SITE AFTER TREADING ON SOIL.
- PLACE CRUSHED ROCK TO A DEPTH OF 150mm MINIMUM TO ALL VEHICLE ACCESS AREAS OVER AN APPROVED WOVEN GEOTEXTILE FABRIC (DUX W155 OR EQUIVALENT).
- GRADE ALL SOIL AREAS AWAY FROM MAIN CONSTRUCTION AREA AND TOWARDS DRAINAGE POINTS. PLACE FILTER MATERIAL SUCH AS HAY BALES OR SILT FENCES AROUND DRAINAGE POINTS.
- INSTALL ON-SITE WASTE RECEPTORS (e.g. MINI-SKIPS, BINS, WIND PROOF LITTER RECEPTORS).
- CONSTRUCTION OF DRAINAGE SYSTEM:
- CARRY OUT WORKS IN DRY WEATHER. DO NOT LEAVE TRENCHES OPEN FOR A LONG PERIOD OF TIME.
- BUILD DRAINAGE SYSTEM COMMENCING FROM DOWN STREAM.
- LOT TESTING SHALL BE CARRIED OUT WITH A MINIMUM OF SIX SITES WITH CHARACTERISTIC RELATIVE COMPACTION ACHIEVING THE
 - PLACE FILTER MATERIAL IN EXISTING PIT DOWN STREAM, UNTIL ALL DRAINAGE IS IN PLACE AND THEN INSTALL SILT CONTRO
- DEVICES AT EACH NEW PIT. WHERE THE LOT TO BE TESTED IS LESS THAN 500m² THEN THREE TESTS MAY BE USED BUT THE MEAN OF THE RESULTS MUST BE 2% CONSTRUCTION OF MAIN WORKS

DATE | INIT | APP | ELECTRONIC COPIES OF THIS DRAWING ARE NOT TO BE USED FOR DIMENSIONAL SETOU'

- ENSURE THAT SOIL IS KEPT MOIST TO MINIMISE AIR POLLUTION. b. DO NOT LEAVE SOIL EXPOSED FOR LONG PERIODS OF TIME.
- ENSURE FALLS OF CUT OR FILL ARE AWAY FROM MAIN WORKING AREA.
- INSTALL ROOF DOWNPIPES AS SOON AS PRACTICABLE IF NECESSARY USE TEMPORARY CONNECTIONS TO ENSURE STORMWATER DOES NOT DISCHARGE OVER LOOSE SOIL.
- LANDSCAPING:
- a. PLACE VEGETATION SUITABLE TO MINIMISE LOOSE SOIL CONDITIONS. REFER TO THE APPROVED LANDSCAPING PLAN FOR ADDITIONAL INFORMATION.

REATMENT DEVICES SEDIMENT FENCES; SEDIMENT FENCES ARE TO BE PLACED AS REQUIRED. THEY CONSIST OF GEOTEXTILE FILTER FABRIC

MIN INTO THE GROUND AND STAND UP TO A HEIGHT OF 700mm. POSTS ARE TO BE SPACED AT 2.0m CENTRES AND DRIVEN 600mm INTO THE GROUND. WHEN STOCKPILING GRANULAR MATERIALS INCLUDING TOP SOILS, A SEDIMENT FENCE SHOULD BE ERECTED AT THE PERIMETER OF THE STOCKPILE IF LEFT OVERNIGHT PROTECTION OF DRAINAGE POINTS; ALL DRAINAGE POINTS, WHETHER TEMPORARY OR PERMANENT, SHALL BE PROTECTED FRO

STAPLED ONTO 40mm SQUARE HARDWOOD STAKES OR WIRE TIED TO STEEL POSTS. THE FILTER FABRIC MUST BE BURIED 100mm

- POLLUTED WATERS. THE PRINCIPAL CONTRACTOR MAY USE STRAW BALES HELD IN PLACE BY AT LEAST TWO DRIVEN PICKETS OR SEDIMENT FENCES TO FULLY SURROUND THE DRAINAGE POINT GENERAL BUILDING OPERATIONS; BUILDING OPERATIONS SUCH AS WASHING OF TOOLS AND PAINTING EQUIPMENT, CUTTING
- MASONRY OR THE USE OF ANY OTHER WATER COOLED CUTTING EQUIPMENT SHOULD BE CARRIED OUT IN A CONTROLLED AREA, WHERE POSSIBLE ON A NATURAL FILTERED AREA SUCH AS A GRASSED TRENCH, OR IN THE VICINITY OF A SEDIMENT SETTLING ALL VEHICLE ENTRY/EXIT POINTS ARE TO BE TREATED WITH CRUSHED ROCK OVER AN APPROVED WOVEN GEOTEXTILE FABRIC
- (DUX W155 OR EQUIVALENT), WELL COMPACTED AND ADJACENT TO THE EXIT DRIVE THE PRINCIPAL CONTRACTOR IS TO PROVIDE SUITABLE WASHING FACILITIES FOR CLEANING OF ALL VEHICLES PRIOR TO THEM EXITING THE SITE SO AS TO PREVENT ANY GREASE, OIL, MUD, CLAY OR OTHER SUBSTANCES FALLING OR RUNNING OFF A VEHICLE ON THE ROAD PAVEMENT OR INTO ANY DRAIN. THE CONDITION OF THE SITE ACCESS/EGRESS IS TO BE CONTINUOUSLY MONITORED AND CLEANED DOWN AS NECESSARY DURING THE COURSE OF THE CONTRACT TO MAINTAIN CLEAN FOOTPATHS AND ROADWAYS.

<u>ADDITIONAL NOTES FOR SEDIMENT AND EROSION CONTROL</u>

- THE CONTRACTOR IS RESPONSIBLE FOR THE ESTABLISHMENT AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES TO SUCH TIME THAT THE PROJECT IS COMPLETED AND OFFICIALLY HANDED OVER TO THE CLIENT. THIS MAY INCLUDE THE PROVISION OF TEMPORARY DRAINAGE AND WATER QUALITY MANAGEMENT DEVICES.
- DO NOT STRIP OR EXCAVATE SITE UNTIL BUILDING WORKS ARE READY TO PROCEED. OBTAIN ALL NECESSARY PERMITS, LICENCES AND APPROVALS, REFER TO COUNCIL APPROVED DRAWINGS AND DOCUMENTATION. ESTABLISH ALL REQUIRED ENTRY/EXIT POINTS AND TREAT THESE AREAS AS DESCRIBED ABOVE. STACK SOILS IN PRE-DEFINED EROSION CONTROL AREAS, WHEN LEFT OVER NIGHT.
- ACCIDENTAL SPILLS OF SOIL OR OTHER MATERIALS ONTO THE ROAD OR INTO THE GUTTER OR DRAINS SHOULD BE REMOVED PRIOR TO STORMS AND AT LEAST UPON COMPLETION OF THE DAY'S WORK. MATERIALS SHOULD BE SWEPT OFF THE ROAD AND NOT WASHED DOWN THE GUTTER
- EROSION CONTROL DEVICES SHOULD BE INSPECTED REGULARLY AND AFTER EVERY STORM EVENT CONCRETE WASTE WASHED FROM TRUCKS AND MIXERS SHOULD BE CONTAINED ON-SITE AND NOT DISPOSED OF, DOWN A DRAIN OR IN ANY OTHER WAY WHICH MAY BE CONSIDERED HARMFUL TO THE ENVIRONMENT.

AN EROSION CONTROL PLAN IS TO BE IMPLEMENTED ON SITE DURING CONSTRUCTION TO PREVENT SEDIMENT FROM LEAVING THE SITE AND ENTERING THE DRAINAGE SYSTEMS, eq. HAY BALES WITH GEOFABRIC MATERIAL TO THE SATISFACTION OF THE RELEVANT

MAROONDAH CITY COUNCIL - STANDARD CONSTRUCTION NOTES - MCC-002

- ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS UNLESS SPECIFIED OTHERWISE. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND DEPTHS PRIOR TO
- THE COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL ADVISE THE SUPERINTENDENT OF ANY REQUIRED ALTERATIONS. ALL WORK PRACTICES SHALL COMPLY WITH THE OCCUPATIONAL HEALTH & SAFETY ACT AND ALL RELEVANT REGULATIONS AND CODES OF PRACTICE (IN PARTICULAR, THE CODE OF PRACTICE FOR SAFETY PRECAUTIONS IN TRENCHING OPERATIONS).
- WORKSAFE VICTORIA IS TO BE INFORMED FOR TRENCHING OPERATIONS WHERE THE DEPTH IS GREATER THAN 1.5m. THE CONTRACTOR SHALL STRICTLY COMPLY WITH "NO GO ZONE" CLEARANCE REQUIREMENTS WHEN WORKING WITHIN THE VICINITY OF OVERHEAD ELECTRICAL ASSETS/CABLES. FOR ANY OPERATION WHICH ENCROACHES ON THE 3.0m "NO GO ZONE", THE CONTRACTOR SHALL OBTAIN A WRITTEN PERMIT TO WORK FROM WORKSAFE. CONTRACTORS SHALL ALSO COMPLY WITH RELEVANT WORKING CLEARANCES FOR OTHER UNDERGROUND UTILITIES AS SPECIFIED BY THE UTILITY OWNERS. INCLUDING BUT NOT LIMITED TO
- UNDERGROUND GAS & ELECTRICAL SERVICES. FURTHER INFORMATION ON "NO GO ZONE" CLEARANCE REQUIREMENTS, REFER TO CURRENT WORKSAFE VICTORIA PUBLICATIONS (WWW.WORKSAFE.VIC.GOV.AU). ALL CONCRETE SHALL BE SAWCUT TO THE NEAREST JOINT UNLESS SPECIFIED OTHERWISE.
- ALL SERVICE COVERS WITHIN THE LIMIT OF WORKS SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED SURFACE LEVELS.
- NO TREES OR VEGETATION SHALL BE REMOVED UNLESS AUTHORISED BY MAROONDAH CITY COUNCIL.
- ALL DISTURBED AREAS SHALL BE TOPSOILED AND SEEDED TO A MINIMUM DEPTH OF 100mm. NATURE STRIPS SHALL BE GRADED
- EVENLY FROM THE TOP OF KERB TO THE FRONT OF PATH OR AS DIRECTED. SITE EROSION CONTROL AND MINIMISATION MEASURES SHALL BE ADOPTED AT ALL TIMES IN ACCORDANCE WITH THE ENVIRONMENTAL
- PROTECTION AUTHORITY'S ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES. TRAFFIC MANAGEMENT IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE ROAD MANAGEMENT ACT 2004 AND AS1742.3. ALL SIGNAGE (TEMPORARY AND PERMANENT) SHALL BE CLASS 1 REFLECTIVE GRADE.
- 12. ALL CONCRETE TO HAVE COMPRESSIVE STRENGTH AT 28 DAYS NOT LESS THAN 25 MPa UNLESS SPECIFIED OTHERWISE. 13. ALL CRUSHED ROCK TO BE CURRENT VICROADS REGISTERED MIXES.
- 14. CLASS 3 CRUSHED ROCK & CEMENT TREATED CRUSHED ROCK MAY CONTAIN 100% CRUSHED CONCRETE IN ACCORDANCE WITH VICROADS TECHNICAL NOTE TN 107 - USE OF RECYCLED MATERIALS IN ROAD PAVEMENTS.
- 5. ALL LINE MARKING TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 1742.1 AND TO BE LONG LIFE THERMOPLASTIC IN
- ACCORDANCE WITH VICROADS SECTION 724 OR AS DIRECTED BY SUPERVISING ENGINEER. 16. WHERE PRODUCTS HAVE RECOMMENDED SUPPLIERS, ALTERNATIVES MAY BE CONSIDERED, HOWEVER MUST BE ACCEPTED BY COUNCIL
- IN WRITING [REMOVED]
- 18. [REMOVED]

DRAINAGE NOTES

- 19. NO INTERNAL DIMENSION OF JUNCTION PITS SHALL BE LESS THAN PIPE DIAMETER PLUS 150mm. 20. WHERE PIT DEPTH EXCEEDS 1000mm, STEP IRONS ARE TO BE INSTALLED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD
- 21. WHERE PIT DEPTH EXCEEDS 1500mm, PIT WALLS ARE TO BE REINFORCED WITH SL72 MESH CENTRALLY PLACED.
- WHERE PIT DEPTH EXCEEDS 1800mm AND/OR PIPE DIAMETER EXCEEDS 450mm, PIT WALLS ARE TO BE 200mm THICK CONCRETE.
- WHERE PIT DEPTH EXCEEDS 3600mm, PIT IS TO BE DESIGNED IN ACCORDANCE WITH VICROADS STANDARD DRAWING SD 1011.
- PRECAST PITS MAY BE USED AS JUNCTION PITS SUBJECT TO COUNCIL APPROVAL IN WRITING. 25. WITHIN NON-TRAFFICABLE AREAS, ALL PIT LIDS ARE TO BE MINIMUM CLASS B, LIGHTWEIGHT & LOCKABLE IN ACCORDANCE WITH
- AUSTRALIAN STANDARDS AS 3996:2019, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. 26. WITHIN TRAFFICABLE AREAS, ALL PIT LIDS ARE TO BE MINIMUM CLASS D, HEAVY DUTY IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS 3996:2019, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

ALL GRATED PIT LIDS ARE TO BE BICYCLE SAFE & INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

IGHT DATUM

THIS DRAWING IS COPYRIGHT TO FMG ENGINEERING. NO PART OF THIS DRAWING ICLUDING THE WHOLE OF SAME. SHALL BE USED FOR ANY PURPOSE OR SITE OTHER THAN WHICH IT WAS PREPARED, NOR BY ANY THIRD PARTY, WITHOUT THE PRIOR WRITTEN CONSENT OF FMG ENGINEERING. CONTRACTORS MUST SET OUT ALL WORK AND VERIFY ALL CONDITIONS, LEVELS AND DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF ANY WORK OR MAKING OF ANY SHOP DRAWINGS WHICH MUST BE SUBMITTED <u>and approved</u> prior to any manufacture. ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE RULES, REGULATIONS, BY FOR CONSTRUCTION LAWS AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION OVER ANY PAR DETAILED DESIGN - ISSUED FOR REVIEW

DO NOT SCALE FROM THESE DRAWINGS, USE WRITTEN DIMENSIONS ONLY.

BUILDING CODE OF AUSTRALIA, COUNCIL STANDARDS AND LOCAL LAWS.

STRUCTURAL FILL MUST BE PLACED IN ACCORDANCE WITH NOTES AND AS3798:2007.

14. ALL CONSTRUCTION WORK IS TO BE LIMITED TO AUTHORITY APPROVED WORKING HOURS.

ALLOW FOR THE FOLLOWING COMPACTION TESTS IN TENDER (AS A MINIMUM):

SUBGRADE (CUT OR FILL) - 1 TEST PER 600 SQ M PER LAYER. CRUSHED ROCK COURSES - 1 TEST PER 400 SQ M PER LAYER.

ASPHALT - AS PER VIC ROAD STANDARD REQUIREMENTS. iv. TRENCH BEDDING AND BACKFILL - 1 TEST PER 30 M PER LAYER.

TO BE REFERRED TO THE ENGINEER FOR A DECISION.

STORMWATER DRAINAGE

NO CONTAMINATED FILL IS TO BE IMPORTED ONTO THIS SITE.

COMPLY WITH EPA BEST PRACTICE GUIDELINES.

ANY ADDITIONAL INSTRUCTIONS/INFORMATION SUPPLIED DURING THE COURSE OF CONSTRUCTION.

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.). T.B.M's ARE SHOWN ON THE PLANS, ALL LEVELS SHALL BE RELATED TO

THE CONTRACTOR IS TO ENSURE THAT ALL FOOTPATHS, KERBS, ROAD PAVEMENT, NATURE STRIPS, STREET FURNITURE AND SERVICES DAMAGED DURING CONSTRUCTION ACTIVITIES ARE MADE GOOD TO THE SATISFACTION OF THE COUNCIL REPRESENTATIVE

PRIOR TO THE COMMENCEMENT OF WORKS THE CONTRACTOR IS TO ENSURE THAT ALL REQUIRED PERMITS ARE ISSUED BY THE

ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS, AND IN COMPLIANCE WITH THE

THE CONTRACTOR IS TO ENSURE THAT A LICENSED SURVEYOR IS ENGAGED TO POSITION WORKS AND PROVIDE AS CONSTRUCTED

THE CONTRACTOR IS TO ENSURE THAT POLLUTION CONTROL MEASURES ARE IN PLACE DURING CONSTRUCTION AND THAT THEY

THE CONTRACTOR IS TO NOTIFY THE COORDINATOR OF ENGINEERING AT COUNCIL OF HAULAGE ROUTES AND SEEK APPROVALS AS

THE CONTRACTOR IS TO ENSURE THAT ALL MAINTENANCE DEPOSITS AND BONDS ARE PAID TO THE RELEVANT AUTHORITIES AS

ANY ROAD/PART ROAD CLOSURES ARE TO BE APPROVED BY COUNCIL PRIOR TO WORKS COMMENCING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUPPLY COUNCIL WITH ANY DOCUMENTATION, SUCH AS TRAFFIC MANAGEMENT PLANS, AS REQUIRED.

INCLUDING THE SERVICE OF AN APPROVED GEOTECHNICAL ENGINEER THE GEOTECHNICAL ENGINEER WILL BE REQUIRED TO ISSUE A

PROVIDE CLAY 'PLUG' TO ALL SERVICE TRENCHES WHERE ANY PIPE, DUCT OR CABLE ENTERS THE BUILDING TO PREVENT INGRESS OF

ALL DRAINAGE PIPES ARE TO BE R.C. CLASS '2', F.R.C. OR U.P.V.C. SN8 UNLESS NOTED OTHERWISE ON PLAN. ALL R.C. AND F.R.C. PIPES

ALL PITS ARE TO BE CONSTRUCTED TO MAROONDAH CITY COUNCIL STANDARDS AND ALL COVERS ARE TO BE IN ACCORDANCE WITH AS3996-2006. PITS IN EXCESS OF 1.0m DEEP ARE TO BE FITTED WITH STEP IRONS. CONCRETE FOR ALL PITS TO BE AT LEAST GRADE

ALL LEVELS AND DIMENSIONS ARE TO BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF WORKS AND ANY DISCREPANCIES ARE

THE CONTRACTOR IS TO VERIFY THE LOCATION AND LEVEL OF SERVICES PRIOR TO ANY EXCAVATION WORKS IN THE VICINITY OF THESE SERVICES. ALL CLEARANCES BETWEEN SERVICES ARE TO BE MET IN ACCORDANCE WITH AS3500.3:2018 SECTION 7.2.7. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL SERVICES PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR IS TO CONTACT ALL RELEVANT AUTHORITIES 48 HOURS PRIOR TO ANY EXCAVATION WORKS IN THE VICINITY OF

ANY EXCAVATED TRENCHES IN EXCESS OF 1.5M IN DEPTH ARE TO BE ADEQUATELY SHORED TO PREVENT COLLAPSE DURING WORKS.

U.N.O. TRENCH BACKFILL SHOULD BE COMPACTED TO NOT LESS THAN 95% OF THE DRY DENSITY RATIO FOR STANDARD COMPACTION (COHESIVE SOILS) OR 70% OF THE MINIMUM DENSITY INDEX FOR STANDARD COMPACTION (COHESIONLESS SOIL), IN ACCORDANCE WITH

WHEN USING PRECAST OR PREFABRICATED UNITS. THE CONTRACTOR IS TO SEEK THE ENGINEERS APPROVAL BEFORE INSTALLATION.

WHEN REMOVING ANY REDUNDANT PIPES AND PITS, THE CONTRACTOR MUST BACKFILL IN ACCORDANCE WITH TRENCH BACKFILL

CONTRACTOR IS TO PROVIDE A SAMPLE OF GRATES TO BE PLACED ON OR ADJACENT TO PATHS FOR APPROVAL BY THE COUNCIL

GRATED DRAINAGE PITS ARE TO BE LOCATED IN SAG POINTS (LOW POINTS), THE CONTRACTOR IS TO ENSURE EVEN FALLS ARE

AG-DRAINS ARE TO BE FITTED WITH 150 DIA INSPECTION OPENINGS (I.O.) AT THEIR TOPMOST ENDS, AT CHANGES OF FLOW

INSPECTION OPENINGS ARE TO EXTEND VERTICALLY TO THE TOP OF A PAVED AREA OR WITHIN 300mm FROM THE SURFACE IN UNPAVED AREAS AND TERMINATED WITH A SCREW CAP LEGIBLY MARKED 'SW'. ADEQUATE CAST IRON PROTECTION COVERS ARE TO

THE CONTRACTOR IS TO ALLOW FOR ALL AG-DRAINS AS REQUIRED AT THE REAR OF RETAINING WALLS AND EDGE OF FLEXIBLE

ALL AG-DRAINS ARE TO BE WRAPPED IN GEOTEXTILE MATERIAL OR THE ENTIRE BEDDING MATERIAL IS TO BE WRAPPED WITH

UNLESS NOTED OTHERWISE THE EMBEDMENT MATERIAL IS TO BE 10mm NOM. DIA. CLEAN SCREENINGS FOR THE FULL DEPTH OF THE

EACH PAVEMENT LAYER SHALL BE INSPECTED AND APPROVED BY THE RELEVANT AUTHORITY PRIOR TO COMMENCING THE NEXT.

COPIES OF ALL TEST RESULTS ARE TO BE PROVIDED TO THE SUPERVISING AUTHORITY FOR DOCUMENTATION PURPOSES.

NO ROADWORKS ARE TO COMMENCE UNTIL ALL TEMPORARY SIGNS AND ASSOCIATED ITEMS ARE IN PLACE AS APPROVED.

ALL DISTURBED AREAS ARE TO BE REINSTATED AND SHAPED AS DIRECTED. ALL GRASSED AREAS SHALL BE TOP DRESSED WITH A

ALL ROADSIDE AREAS SHALL BE MAINTAINED FOR A MINIMUM OF THREE MONTHS OR UNTIL THEY ARE RE-ESTABLISHED TO COUNCIL

6. REINSTATE ANY PATHS, KERBS, PAVEMENTS, BATTERS AND RETAINING WALLS DAMAGED DURING THE COURSE OF THE WORKS TO

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL WORKS ARE CARRIED OUT IN A SAFE MANNER. THE WORKS SHALL

THE CONTRACTOR SHALL ENSURE A RISK ASSESSMENT HAS BEEN CARRIED OUT AND DOCUMENTED FOR ALL ACTIVITIES PERFORMED

ON THE SITE, SAFE WORK PROCEDURES MUST BE DOCUMENTED AS REQUIRED BY LEGISLATION AND RELEVANT AUTHORITIES. THE

BUILDER MAY NEED TO ENGAGE SUITABLY EXPERIENCED CONSULTANTS TO PREPARE A SAFE WORK PROCEDURE IF THE BUILDER IS

COMPLY WITH APPLICABLE HEALTH AND SAFETY LEGISLATION INCLUDING CODES OF PRACTICE, AUSTRALIAN STANDARDS,

THE WORKS SHALL BE CARRIED OUT IN A MANNER THAT ENSURES THE SAFETY OF THE PUBLIC AT ALL TIMES. SITE SAFETY

INEXPERIENCED IN THIS FIELD OR IF THEY ARE NOT SATISFIED WITH THE METHOD PROPOSED BY THE CONTRACTOR.

REQUIREMENTS AND ARRANGEMENTS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED BY COUNCIL.

THE CONTRACTOR IS TO SEEK COUNCIL REQUIREMENTS FOR 'NOTICES OF WORKS' WITHIN A PUBLIC ROAD RESERVE.

19. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION AND LEVEL OF ALL EXISTING DISCHARGE POINTS PRIOR TO

THE CONTRACTOR IS TO OBTAIN ALL NECESSARY INSPECTIONS AND APPROVALS FROM THE COUNCIL ENGINEER AND ALL OTHER

ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL APPROVED PLANS AND STANDARD DRAWINGS.

AS3798:2007. REFER TO SECTION DETAILS FOR DRAINAGE TRENCHES BACKFILL DETAILS.

COUNCIL IS TO BE GIVEN 24 HOUR NOTICE PRIOR TO INSPECTIONS OF THE FOLLOWING ITEMS:

ALL STEEL MEMBERS INCLUDING GRATES AND LINTELS ARE TO BE HOT DIPPED GALVANISED.

BE USED WHEN POSITIONED WITHIN TRAFFIC LANES OR PAVEMENT WITH VEHICLE ACCESS.

UNLESS NOTED OTHERWISE CONCRETE CRUSHING STRENGTH AT 28 DAYS SHALL BE AT LEAST:

REFER TO PLAN HATCHING AND LEGEND FOR NOMINATION OF PAVEMENT TYPES.

MINIMUM DEPTH OF 100mm OF APPROVED TOPSOIL, RAKED AND SEEDED

ALL LINEMARKING TO BE IN ACCORDANCE WITH COUNCIL GUIDELINES.

DESCRIPTION

MAINTENANCE WORKS SHALL INCLUDE BUT NOT BE LIMITED TO:

MOWING AND GENERAL LANDSCAPE MAINTENANCE.

THE SATISFACTION OF THE CLIENT REPRESENTATIVE.

EMBEDMENT TRENCH EXCEPT FOR TOPSOIL REQUIREMENTS AS PER LANDSCAPING SPECIFICATIONS.

PROVIDED TO PITS AND LOCAL GRADES FORMED IF REQUIRED TO ELIMINATE DEAD DRAINAGE SPOTS.

a. BREAK IN AND PIPE TO PIT CONNECTION, PRIOR TO BACKFILL.

ALL MINIMUM PIPE GRADES ARE TO BE IN ACCORDANCE WITH AS3500.

DIRECTIONS AND AT A MAXIMUM HORIZONTAL DISTANCE OF 45m.

GEOTEXTILE FABRIC OVERLAPPING NOT LESS THAN 300mm

STANDARDS OUTLINED ON PLAN AND DETAILS

HIGHER THAN THE REQUIRED STANDARDS.

TOPPING UP WITH SOIL WHERE SUBSIDED.

PRACTICE FOR SERVICES AND ASSOCIATED WORKS.

MIN GRADE OF AG-DRAINS IS TO BE 1:200.

a. DRAINAGE WORKS: 20MPa b. PAVING WORKS: 32MPa

BITUMEN PAVEMENT

SATISFACTION.

HEALTH AND SAFETY

b. RE-SEEDING AS REQUIRED.

b. COMPLETION OF WORKS

ALL TESTING TO BE AS DIRECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER AND COSTS TO BE INCLUDED IN TENDER,

COMPLIANCE CERTIFICATE CONFIRMING THAT THE WORKS HAVE BEEN COMPACTED TO THE STANDARD SPECIFIED.

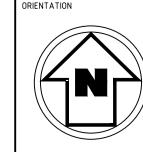
THE CONTRACTOR IS TO COMPLY WITH THE EPA AND COUNCIL REQUIREMENTS FOR NOISE AND AIRBORNE POLLUTION.

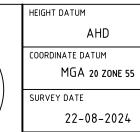
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH:

SITE DERIVED INFORMATION.

RELEVANT GEOTECHNICAL REPORT







RIAL IMAGE DATE

04-08-2024





fmgengineering.com.au | P 1300 975 878 | ABN 58 083 071 185 ISO 9001 Quality Management System | ISO 45001 OH&S Management System

FOR CONSTRUCTION

CLIENT	DESIGNED	DRAWN	
MAROONDAH CITY COUNCIL	KC / EW		Κű
PROJECT TITLE	CHECKED	No. OF SHEET	S
FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS	SS		15
	SCALE	DATE START	ED
SITE ADDRESS	-	04-	09-2024
DICKSON CRESCENT	SITE ID & JOB No.		REV.
RINGWOOD NORTH, VIC, 3134	S70485-29	1529	
DRAWING TITLE	DRAWING No.		
TITLE SHEET	$\begin{bmatrix} 0 \end{bmatrix}$	1	1



WARNING

BEWARE UNDERGROUND SERVICES

THE LOCATIONS OF SERVICES ARE

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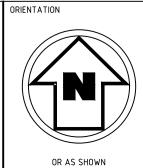


OVERALL PLAN

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COORDINATE DATUM
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SURVEY DATE
22-08-2024
22-06-2024
AERIAL IMAGE DATE



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CLIENT
MAROONDAH CITY COUNCIL
PROJECT TITLE
FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS
SITE ADDRESS
DICKSON CRESCENT
RINGWOOD NORTH, VIC, 3134
DRAWING TITLE
OVERALL PLAN

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C002

EXISTING ASPHALT ROAD PAVEMENT TO BE PROFILED, REMOVED AND DISPOSED



EXISTING ASPHALT VEHICLE CROSSING TO BE SAW CUT, REMOVED AND DISPOSED



EXISTING CONCRETE VEHICLE CROSSING / FOOTPATH TO BE SAW CUT, REMOVED AND DISPOSED

- EX W (D) - EXISTING WATER WITH QUALITY LEVEL

- EX G (D) - EXISTING GAS WITH QUALITY LEVEL

- EX S (D) - EXISTING SEWER WITH QUALITY LEVEL - EX T (D) - EXISTING TELECOMMUNICATIONS WITH QUALITY LEVEL

- EX E (D) - EXISTING ELECTRICITY WITH QUALITY LEVEL

— E O/H — EXISTING OVERHEAD CABLE EXISTING CONTOUR MAJOR (1.0m)

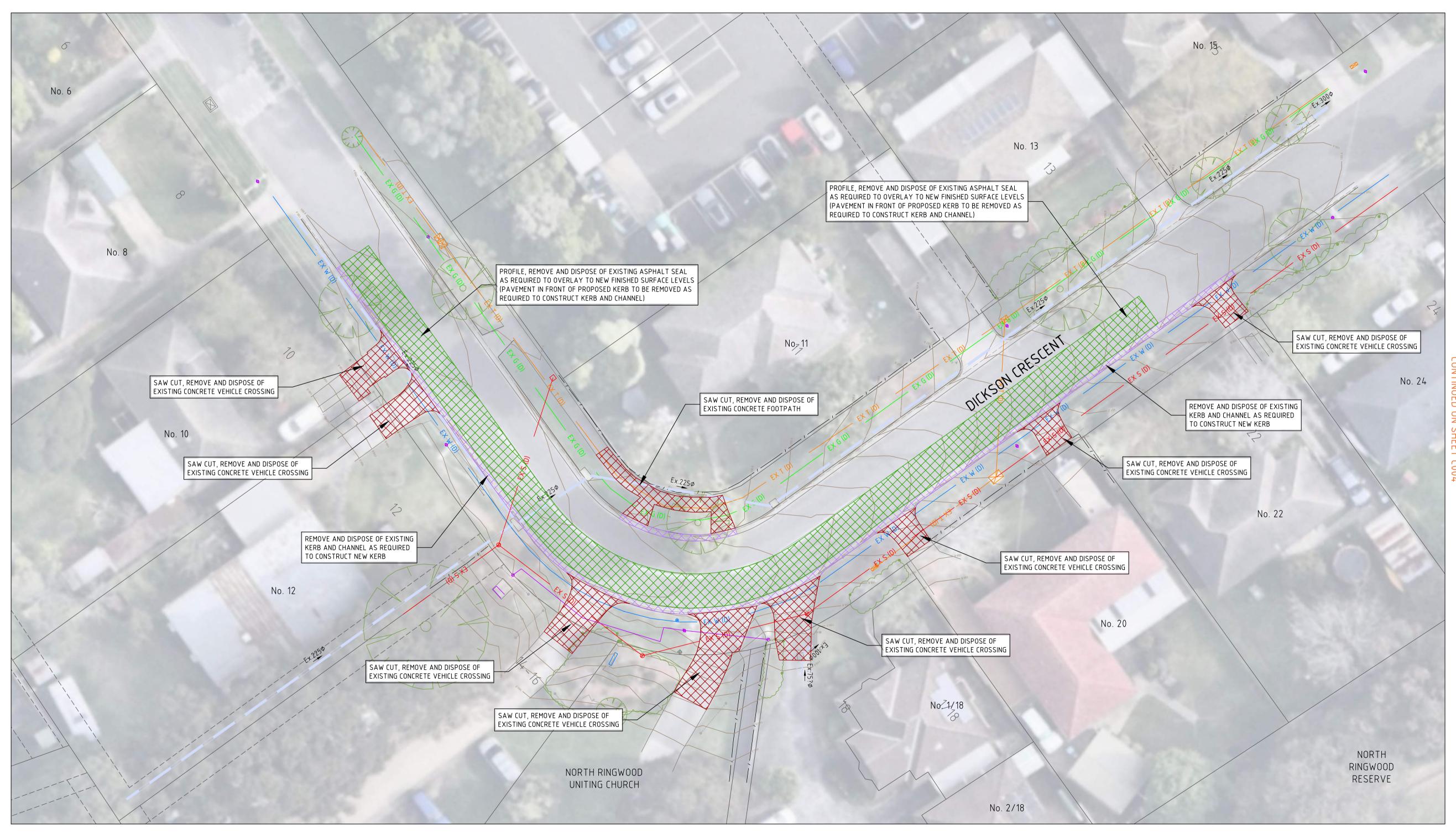
EXISTING CONTOUR MINOR (0.2m)

EXISTING DRAINAGE PIPE

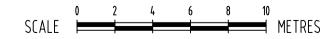


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WARNING



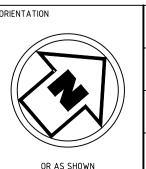




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LEGEND

CONCRETE FOOTPATH - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL MCC-401

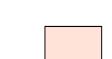


OVERLAY ASPHALT PAVEMENT - CONSTRUCTED IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-101 (30mm COMPACTED DEPTH SIZE 10mm TYPE H ASPHALT WEARING COURSE OVERLAYING A VARYING DEPTH REGULATION SIZE 14mm TYPE H ASPHALT BASE COURSE) (COMPOSITION TO BE CONFIRMED BY MAROONDAH CITY COUNCIL)



150mm THICK CONCRETE VEHICLE CROSSING - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL MCC-503

ASPHALT FOOTPATH REINSTATEMENT - CONSTRUCTED IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL MCC-404



CONCRETE PEDESTRIAN CROSSING - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-405, MCC-406 AND MCC-407

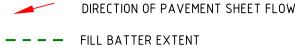


TOPSOIL & SEED (MAROONDAH CITY COUNCIL APPROVED) REINSTATEMENT - REINSTATED IN



ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS





— — — CUT BATTER EXTENT

EXISTING CONTOUR MINOR (0.20m) FINISHED SURFACE CONTOUR MAJOR (1.0m) FINISHED SURFACE CONTOUR MINOR (0.20m)

EXISTING CONTOUR MAJOR (1.0m)

- EX W (D) - EXISTING WATER WITH QUALITY LEVEL - EX G (D) - EXISTING GAS WITH QUALITY LEVEL

- EX S (D) - EXISTING SEWER WITH QUALITY LEVEL - EX T (D) - EXISTING TELECOMMUNICATIONS WITH QUALITY LEVEL - EX E (D) - EXISTING ELECTRICITY WITH QUALITY LEVEL — E O/H — EXISTING OVERHEAD CABLE

NOTES:



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THESE UTILITIES ARE BASED ON: - SITE VISIT, DATED 4TH SEPTEMBER 2024

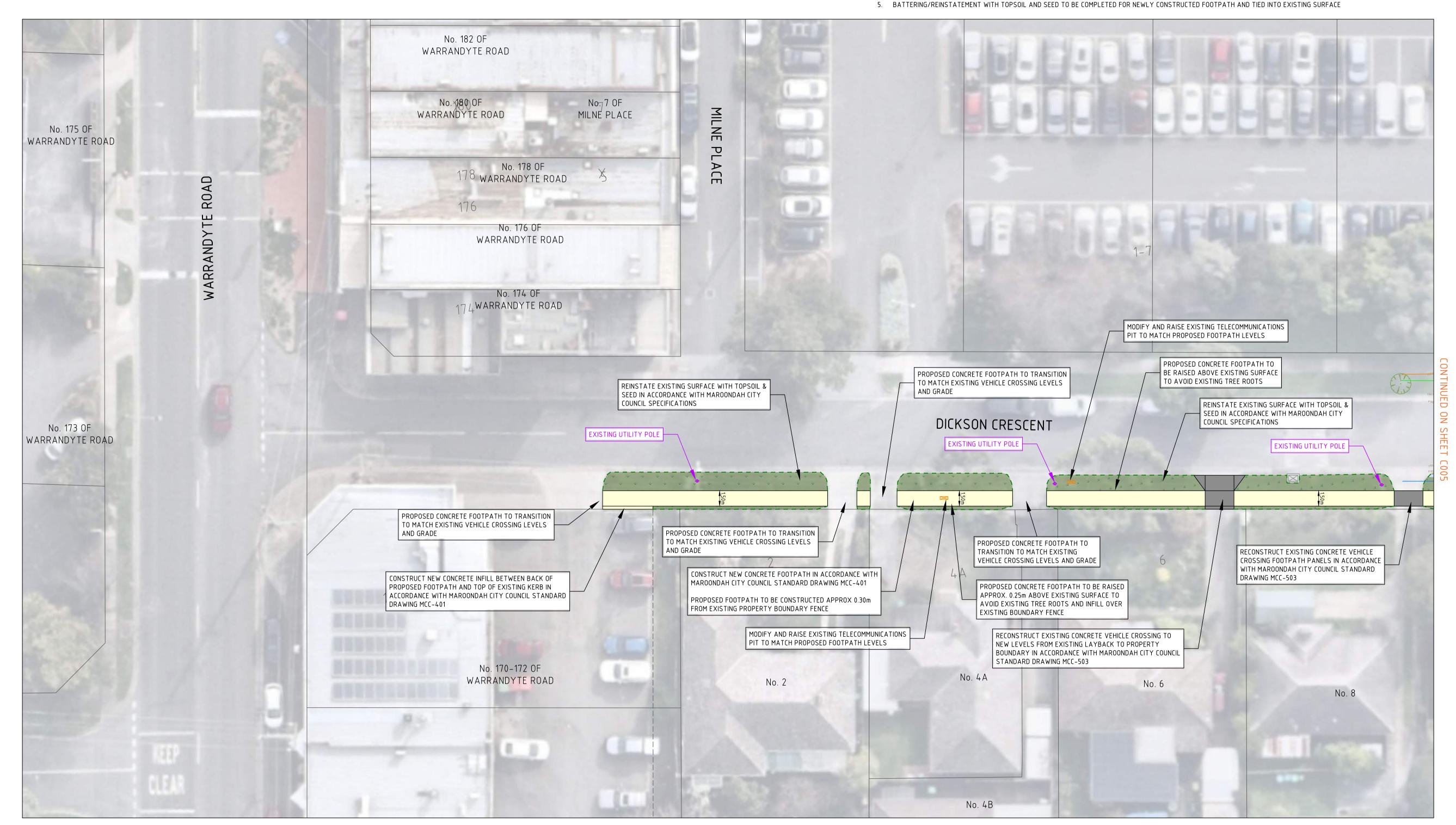
GOOGLE MAP (WITH TOLERANCE)

IMAGES TAKEN ON SITE.

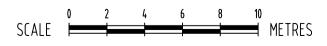
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GENERAL LAYOUT PLAN (CONCEPT ONLY)

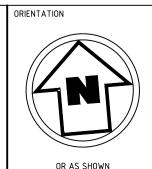


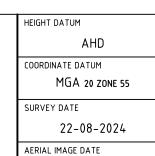
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LEGEND CONCRETE FOOTPATH - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL CONCRETE PEDESTRIAN CROSSING - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-405, MCC-406 AND MCC-407

EXISTING CONTOUR MAJOR (1.0m) EXISTING CONTOUR MINOR (0.20m) FINISHED SURFACE CONTOUR MAJOR (1.0m) FINISHED SURFACE CONTOUR MINOR (0.20m)

TO NEW LEVELS IN ACCORDANCE WITH MAROONDAH

No. 20

CITY COUNCIL STANDARD DRAWING MCC-503

MODIFY AND RAISE EXISTING TELECOMMUNICATIONS

No. 2/18

PIT TO MATCH PROPOSED FOOTPATH LEVELS

REINSTATE EXISTING SURFACE WITH TOPSOIL &

SEED IN ACCORDANCE WITH MAROONDAH CITY

COUNCIL SPECIFICATIONS

MODIFY AND RAISE EXISTING SEWER PIT

lacksquare MODIFY AND RAISE EXISTING ELECTRICAL PIT lacksquareTO MATCH PROPOSED FOOTPATH LEVELS

CONSTRUCT NEW ASPHALT FOOTPATH IN ACCORDANCE WITH

MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-404

MODIFY AND RAISE EXISTING WATER VALVE PIT COVER

LEVEL TO MATCH PROPOSED PRAM CROSSING LEVELS

TO MATCH PROPOSED FOOTPATH LEVELS

RECONSTRUCT EXISTING CONCRETE VEHICLE CROSSING TO NEW LEVELS IN

ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-503

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150mm THICK CONCRETE VEHICLE CROSSING - CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL MCC-503

ASPHALT FOOTPATH REINSTATEMENT - CONSTRUCTED IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL MCC-404

EXISTING DRAINAGE PIPE

DIRECTION OF PAVEMENT SHEET FLOW

TOPSOIL & SEED (MAROONDAH CITY COUNCIL APPROVED) REINSTATEMENT - REINSTATED IN

ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS

─ ─ ─ FILL BATTER EXTENT

— — — CUT BATTER EXTENT

CONTINUED ON SHEET C004

CONSTRUCT NEW CONCRETE FOOTPATH IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-401 PROPOSED CONCRETE FOOTPATH TO TRANSITION TO MATCH EXISTING VEHICLE CROSSING LEVELS AND GRADE ISTING UTILITY POL No. 13 PROPOSED 'B2' KERB AND CHANNEL TO TRANSITION TO CONSTRUCT NEW CONCRETE FOOTPATH IN MATCH EXISTING KERB LEVELS, GRADE AND PROFILE ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-401 PROPOSED CONCRETE FOOTPATH TO TRANSITION TO MATCH EXISTING VEHICLE CROSSING LEVELS AND GRADE PROPOSED 'B2' KERB AND CHANNEL No. 11 TO TRANSITION TO MATCH EXISTING CONSTRUCT NEW CONCRETE PEDESTRIAN CROSSINGS KERB LEVELS, GRADE AND PROFILE CONSTRUCT NEW CONCRETE FOOTPATH IN ACCORDANCE WITH CONSTRUCT NEW CONCRETE FOOTPATH IN IN ACCORDANCE WITH MAROONDAH CITY COUNCIL MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-401 ACCORDANCE WITH MAROONDAH CITY STANDARD DRAWING MCC-405 COUNCIL STANDARD DRAWING MCC-401 CONSTRUCT NEW CONCRETE FOOTPATH IN ACCORDANCE WITH MAROONDAH CITY RECONSTRUCT EXISTING CONCRETE VEHICLE CROSSING COUNCIL STANDARD DRAWING MCC-401 PROPOSED CONCRETE FOOTPATH TO OVERLAY EXISTING PROFILED PAVEMENT WITH 30mm TO NEW LEVELS IN ACCORDANCE WITH MAROONDAH CITY TRANSITION TO MATCH EXISTING COMPACTED DEPTH SIZE 10mm TYPE H WEARING COUNCIL STANDARD DRAWING MCC-503 FOOTPATH LEVELS AND GRADE RECONSTRUCT EXISTING CONCRETE VEHICLE COURSE OVERLAYING A VARYING COMPACTED DEPTH CROSSING TO NEW LEVELS IN ACCORDANCE REGULATION SIZE 14mm TYPE H BASE COURSE IN WITH MAROONDAH CITY COUNCIL STANDARD CONTRACTOR TO LIAISE WITH MAROONDAH CITY COUNCIL GENERAL ACCORDANCE WITH MAROONDAH CITY DRAWING MCC-503 REPRESENTATIVE AND PROPERTY OWNER/S TO CONFIRM COUNCIL STANDARD DRAWING MCC-101 INTERFACE WITH EXISTING LETTER BOX No. 24 CONSTRUCT NEW 'B2' BARRIER CONSTRUCT NEW 'B2' BARRIER KERB & CHANNEL IN ACCORDANCE KERB & CHANNEL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-107 WITH MAROONDAH CITY COUNCIL RECONSTRUCT EXISTING CONCRETE VEHICLE CROSSING STANDARD DRAWING MCC-107 TO NEW LEVELS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-503 RECONSTRUCT EXISTING CONCRETE VEHICLE CROSSING TO NEW LEVELS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-503 CONSTRUCT NEW 'B2' BARRIER KERB & CHANNEL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-107 No. 22 MODIFY AND RAISE EXISTING TELECOMMUNICATIONS REMOVE AND DISPOSE OF EXISTING PIT AND CONSTRUCT NEW SIDE ENTRY PIT IN PIT TO MATCH PROPOSED FOOTPATH LEVELS ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-203 RECONSTRUCT EXISTING CONCRETE VEHICLE CROSSING

- EX W (D) - EXISTING WATER WITH QUALITY LEVEL

- EX S (D) - EXISTING SEWER WITH QUALITY LEVEL

- EX E (D) - EXISTING ELECTRICITY WITH QUALITY LEVEL

- EX T (D) - EXISTING TELECOMMUNICATIONS WITH QUALITY LEVEL

- EX G (D) - EXISTING GAS WITH QUALITY LEVEL

— E O/H — EXISTING OVERHEAD CABLE

TO MATCH PROPOSED FOOTPATH LEVELS No. 12 MODIFY AND RAISE EXISTING ELECTRICAL PIT TO MATCH PROPOSED FOOTPATH LEVELS REINSTATE EXISTING SURFACE WITH TOPSOIL & SEED IN ACCORDANCE WITH MAROONDAH CITY

> COUNCIL SPECIFICATIONS RECONSTRUCT EXISTING CONCRETE VEHICLE CROSSING O NEW LEVELS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-503

MODIFY AND RAISE EXISTING SEWER PIT

REINSTATE EXISTING SURFACE WITH TOPSOIL & SEED / LANDSCAPING IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS CONSTRUCT NEW CONCRETE PEDESTRIAN CROSSINGS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL

> STANDARD DRAWING MCC-405 NORTH RINGWOOD UNITING CHURCH

RECONSTRUCT EXISTING CONCRETE VEHICLE CROSSING TO NEW LEVELS IN

ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-503

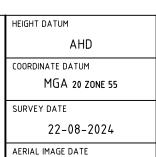
GENERAL LAYOUT PLAN 0 2 4 6 8 10

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LEGEND

CONCRETE FOOTPATH – CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL MCC-401

OVERLAY ASPHALT PAVEMENT - CONSTRUCTED IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-101 (30mm COMPACTED DEPTH SIZE 10mm TYPE H ASPHALT WEARING COURSE OVERLAYING A VARYING DEPTH REGULATION SIZE 14mm TYPE H ASPHALT BASE COURSE) (COMPOSITION TO BE CONFIRMED BY MAROONDAH CITY COUNCIL)

150mm THICK CONCRETE VEHICLE CROSSING – CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL MCC-503

ASPHALT FOOTPATH REINSTATEMENT - CONSTRUCTED IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL MCC-404

CONCRETE PEDESTRIAN CROSSING – CONSTRUCTED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-405, MCC-406 AND MCC-407

TOPSOIL & SEED (MAROONDAH CITY COUNCIL APPROVED) REINSTATEMENT – REINSTATED IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS

EXISTING DRAINAGE PIPE

DIRECTION OF PAVEMENT SHEET FLOW

- - - - FILL BATTER EXTENT- - - - CUT BATTER EXTENT

EXISTING CONTOUR MAJOR (1.0m)
EXISTING CONTOUR MINOR (0.20m)

FINISHED SURFACE CONTOUR MAJOR (1.0m)
FINISHED SURFACE CONTOUR MINOR (0.20m)

FINISHED SURFACE CONTOUR MINOR (0.20m)

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— E O/H — EXISTING OVERHEAD CABLE

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GOOGLE MAP (WITH TOLERANCE)IMAGES TAKEN ON SITE.

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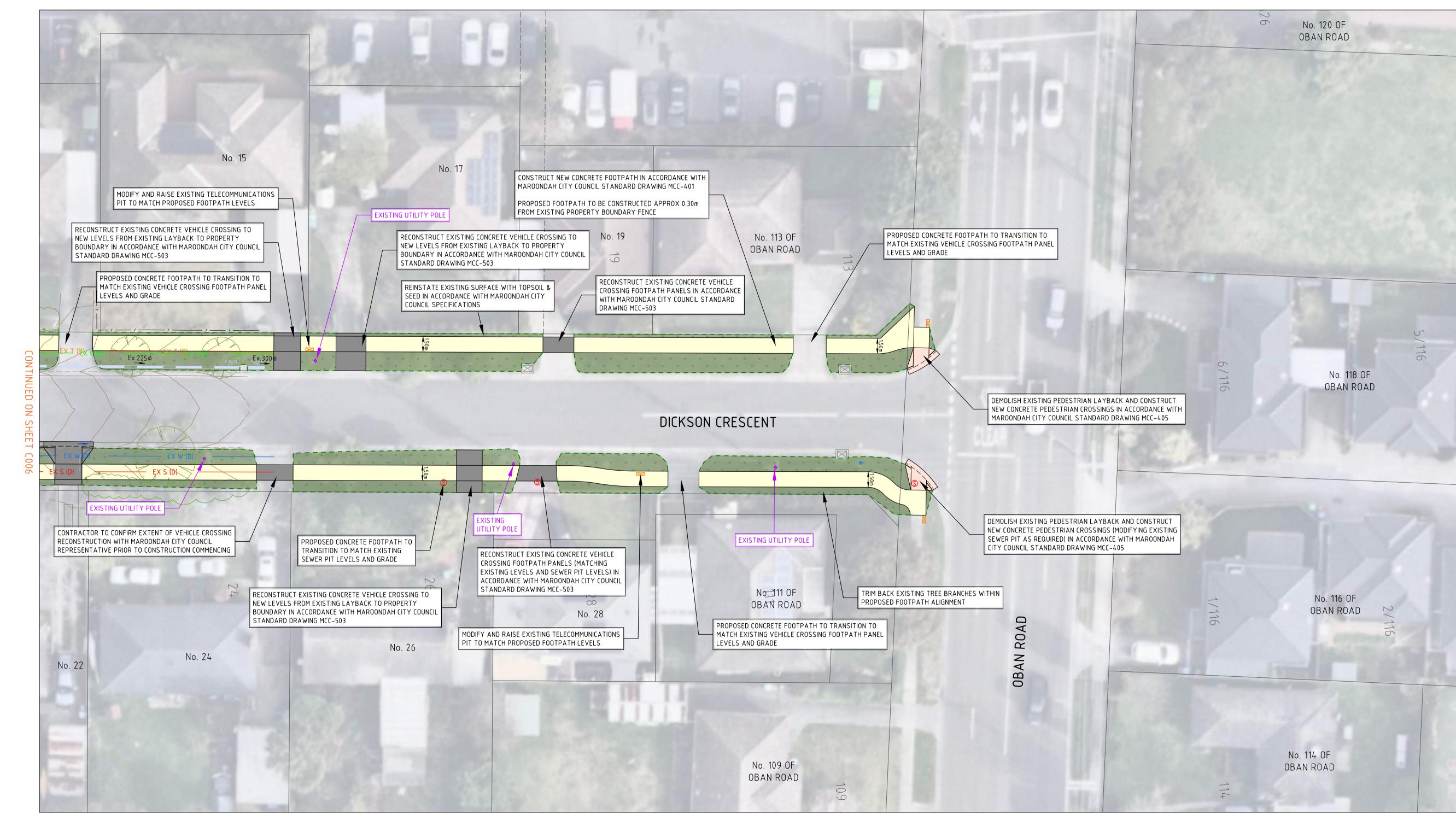
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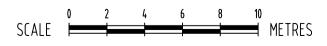
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STORMWATER IS HANDLED EFFECTIVELY AFTER FOOTPATH CONSTRUCTION TO AVOID IMPACTING EXISTING PROPERTIES

5. BATTERING/REINSTATEMENT WITH TOPSOIL AND SEED TO BE COMPLETED FOR NEWLY CONSTRUCTED FOOTPATH AND TIED INTO EXISTING SURFACE



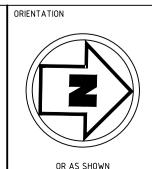
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FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS		SS		15
	SCALE	DA.	TE STARTED	
SITE ADDRESS	1:2	200@A1	04-09-2	024
DICKSON CRESCENT	SITE ID & JOB N		REV.	$\overline{}$
RINGWOOD NORTH, VIC, 3134	\$7048	85-2915	29	
DRAWING TITLE	DRAWING No.			.
GENERAL LAYOUT PLAN (CONCEPT ONLY)		006		
RINGWOOD NORTH, VIC, 3134 Drawing title	S7048	85-2915: 006		

CUT(-) / FILL(+) DEPTHS										
No.	LOWER DEPTH (m)	UPPER DEPTH (m)	COLOUR							
1	0.000	0.025								
2	0.025	0.050								
3	0.050	0.75								
4	0.75	0.40								
5	0.40	0.50								

	CUT(-)	' FILL(+) DEP	THS
No.	LOWER DEPTH (m)	UPPER DEPTH (m)	COLOUR
6	0.50	0.60	
7	0.60	0.70	
8	0.70	0.80	
9	0.70	0.80	

NOTES:
CUT/FILL DEPTHS SHOWN ARE BASED ON EXISTING SURFACE LEVEL (TOP OF EXISTING SEAL) & THE FINISHED SURFACE LEVEL (TOP OF PROPOSED SEAL)

THIS PLAN IS PROVIDED FOR INFORMATION PURPOSES ONLY TO PRESENT THE DESIGN INTENT AND TO ASSIST MAROONDAH CITY COUNCIL TO DETERMINE THE PAVEMENT REINSTATEMENT METHODOLOGY THEY WOULD LIKE TO ACHIEVE



BEWARE UNDERGROUND SERVICES

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WARNING



PAVEMENT LEVELS PLAN - EXISTING vs. FINISHED SURFACE



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REV	DESCRIPTION	DATE	INIT	APP	ELECTRONIC COPIES OF THIS DRAWING ARE NOT TO BE USED FOR DIMENSIONAL SETOUT.





	HEIGHT DATUM
	AHD
- //	COORDINATE DATUM
	MGA 20 ZONE 55
	SURVEY DATE
J //	22-08-2024
	AERIAL IMAGE DATE
	04-08-2024

YEARS	ADELAIDE MELBOURNE SYDNEY BRISBANE
ENGINEERING FORWARD THINKING P 03 9815 7600 2 Domville Ave, Hawthorn VIC 3122	
fmgengineering.com.au P 1300 975 878 ABN	58 083 071 185

CLIENT	DESIGNED
MAROONDAH CITY COUNCIL	KC / EW
PROJECT TITLE	CHECKED
FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS	SS
SITE ADDRESS	SCALE
	1:200@A1
DICKSON CRESCENT	SITE ID & JOB No.
RINGWOOD NORTH, VIC, 3134	S70485-29
ORAWING TITLE	DRAWING No.
	Γ
PAVEMENT LEVELS PLAN – EXISTING vs. FINISHED SURFACE	

DRAINAGE PIT SCHEDULE

BEFORE
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			INTEI	RNAL	INLET	Γ	OUTLE	T	PIT			
PIT NUMBER	PIT TYPE	EASTING	NORTHING	LENGTH (mm)	WIDTH (mm)	PIPE DIAMETER (mm)	INVERT LEVEL	PIPE DIAMETER (mm)	INVERT LEVEL	SETOUT R.L.	DEPTH (m)	REFERENCE TO NOTE ON PLAN
1	SEP	344779.161	5815417.484	900	600	Ex. 225	Ex. 158.37	Ex. 225	Ex. 158.05	159.290	1 7/10	Remove and dispose of existing pit and construct new Side Entry Pit in accordance with Maroondah City Council Standard Drawing MCC-203

Drainage Pit Schedule Notes

- 1. Horizontal (xy) setout is to pit centre and is to be positioned longitudinally along the kerb
- 2. Vertical (R.L.)setout level is to pit cover level and is to be confirmed through kerb setout prior to construction
- 3. If pit interfaces with kerb, the kerb is to be set out prior to drainage pit construction to confirm interface and design intent is achieved

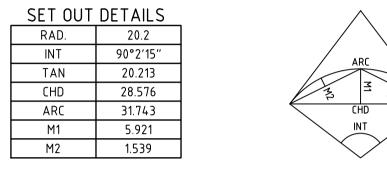
Pit Types

Side Entry Pit

No. 13 No-11 No. 10 No. 12 2 R20m R20m No. 20 NORTH RINGWOOD UNITING CHURCH SURVEY SETOUT PLAN SCALE 0 2 4 6 8 10 METRES

CURVE / ARC SETOUT DETAILS

	LIP OF I	
		DETAILS
	RAD.	20.2
	INT	90°2′15″
	TAN	20.213
	CHD	28.576
	ARC	31.743
	M1	5.921
1	1.40	4.530



FRONT OF FOOTPATH 'C' FRONT OF FOOTPATH 'C'

CURVE – B1			
SET OUT	DETAILS		
RAD.	17		
INT	90°2′15"		
TAN	17.011		
CHD	24.049		
ARC	26.715		
M1	4.983		
M2	1.295		

CENTRELINE 'B'

CURVE - C1 SET OUT DETAILS RAD. 22.6 INT 90°2′15" TAN 22.615 CHD 31.972

6.625

1.722

M1

<u>M2</u>

	CURVE	– C2
	SET OUT	DETAILS
	RAD.	20
	INT	7°1′18″
	TAN	1.227
	CHD	2.449
	ARC	2.451
	M1	0.038
	M2	0.009

₋IP OF I	KERB 'D'			
CURVE	- C3			
SET OUT	DETAILS			
RAD.	20			
INT	7°1′18″			
TAN	1.227			
CHD	2.449			
ARC	2.451			
M1	0.038			
140	0.000			

SURVEY SETOUT INFORMATION LIP OF KERB 'A' (LOK A)

SETOUT POIN

DINT SHOWN AS:	(A2

SETOUT NUMBER	EASTING	NORTHING	R.L.		
A1	344749.424	5815420.947	159.322		
A2	344764.368	5815419.661	159.219		
А3	344779.313	5815418.375	159.140		
A4	344801.172	5815436.781	158.612		
A5	344802.023	5815446.744	158.222		
A6	344803.300	5815461.690	157.380		
A7	344804.576	5815476.634	156.446		
-	-	-	-		

SURVEY SETOUT INFORMATION CENTRELINE 'B' (CL B)

SETOUT POINT SHOWN AS:

SETOUT NUMBER	EASTING	NORTHING	R.L.
B1	344749.699	5815424.136	159.420
B2	344764.643	5815422.849	159.219
В3	344779.587	5815421.563	159.044
В4	344797.984	5815437.054	158.516
B5	344798.835	5815447.017	158.126
В6	344800.111	5815461.963	157.380
В7	344801.388	5815476.907	156.573

SURVEY SETOUT INFORMATION FRONT OF FOOTPATH 'C' (FOFP C)

SETOUT POINT SHOWN AS:

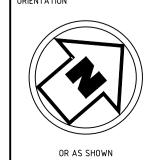
(52)	
(C2)	

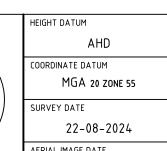
SETOUT NUMBER	EASTING	NORTHING	R.L.
C1	344749.219	5815418.556	159.475
C2	344757.640	5815417.831	159.506
C3	344760.232	5815417.619	159.487
C4	344765.157	5815417.184	159.457
C5	344779.107	5815415.983	159.383
C6	344798.107	5815423.680	159.025
C7	344800.244	5815426.577	159.040
C8	344801.972	5815429.966	159.008
C9	344802.924	5815432.812	158.926
C10	344803.563	5815436.576	158.734
C11	344803.783	5815439.148	158.605
C12	344803.842	5815441.597	158.483
C13	344803.900	5815444.046	158.360
C14	344804.130	5815446.736	158.252
C15	344805.242	5815459.758	157.550
C16	344805.557	5815463.445	157.410
C17	344806.669	5815476.456	156.584

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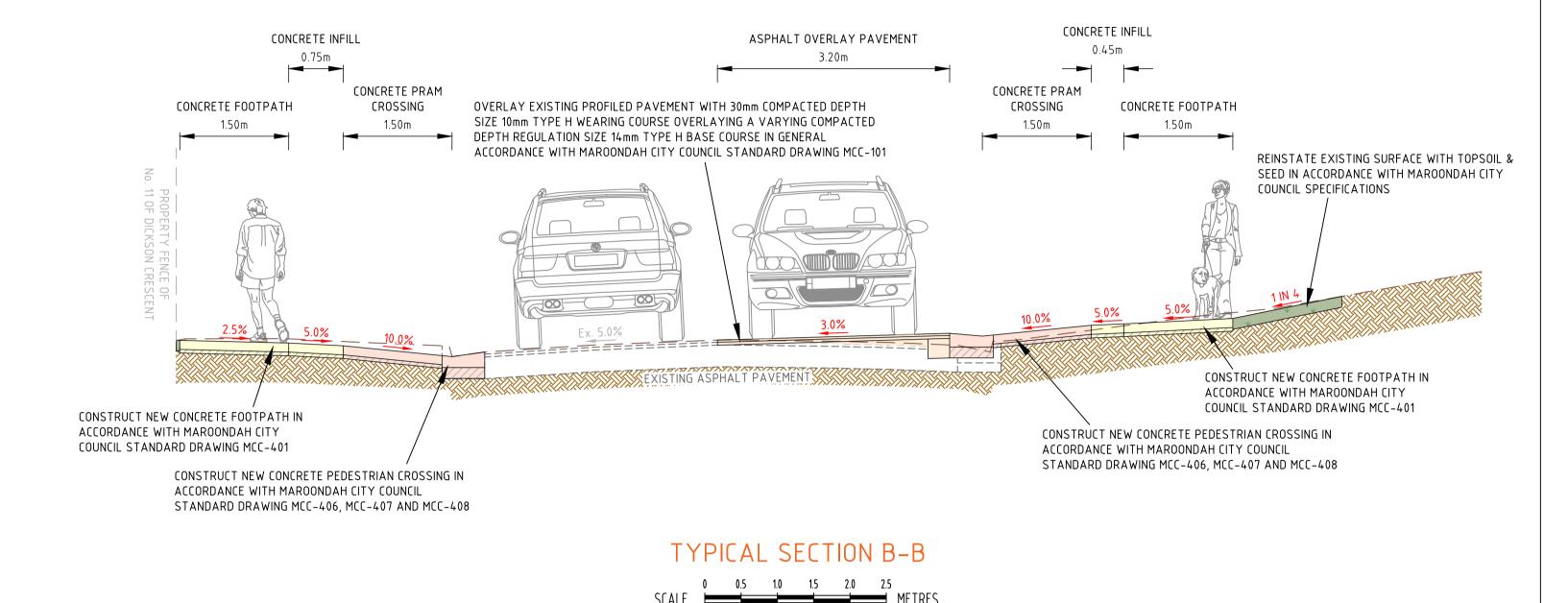


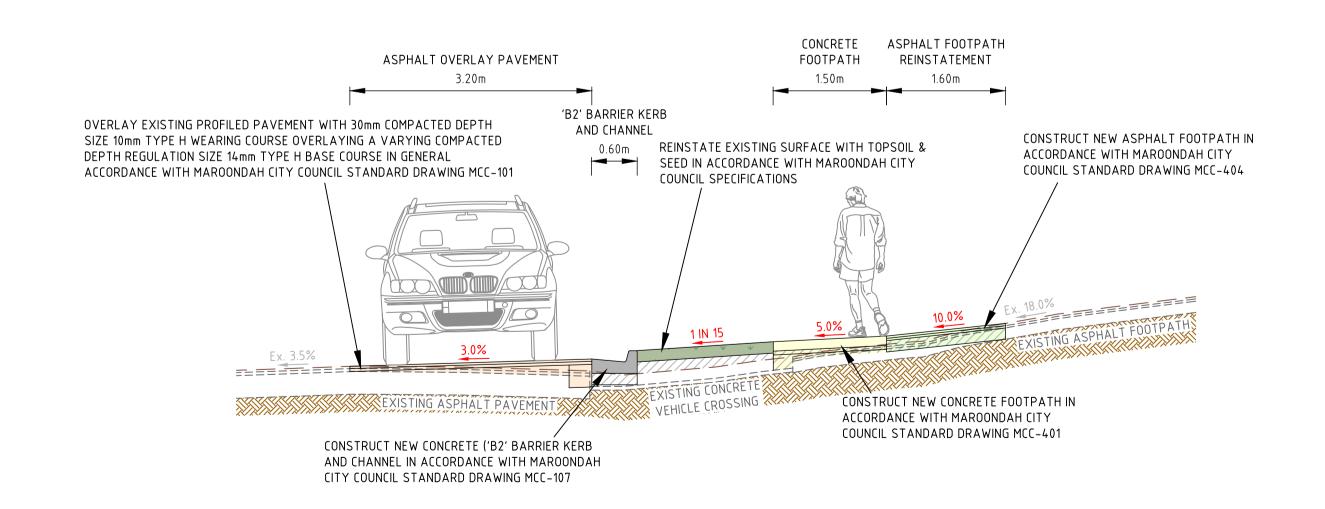
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ROJECT TITLE	CHECKED	No. OF SHEET:	S
FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS	SS		
	SCALE	DATE STARTE	ED.
TE ADDRESS	1:200@A1	04-	09-20
DICKSON CRESCENT	SITE ID & JOB No.		REV.
RINGWOOD NORTH, VIC, 3134	S70485-29	1529	
AWING TITLE	DRAWING No.		
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SURVEY SETOUT PLAN)	I



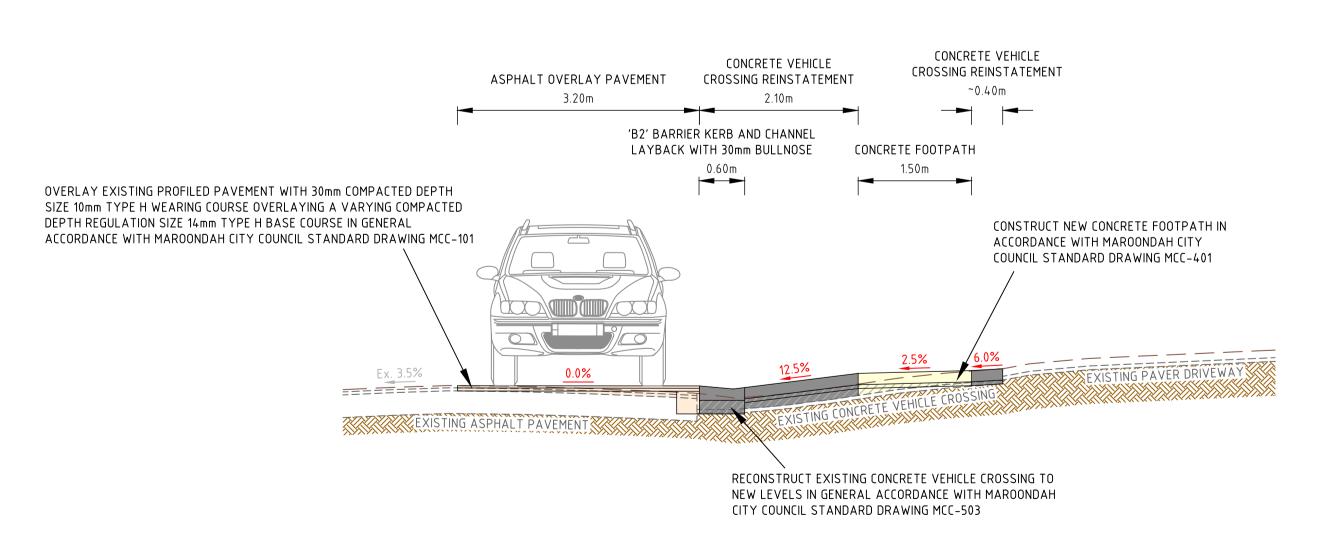
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CONCRETE VEHICLE CONCRETE VEHICLE CROSSING REINSTATEMENT ASPHALT OVERLAY PAVEMENT CROSSING REINSTATEMENT 2.40m $^{\sim}2.35$ m 'B2' BARRIER KERB AND CHANNEL LAYBACK WITH 30mm BULLNOSE CONCRETE FOOTPATH 1.50m -OVERLAY EXISTING PROFILED PAVEMENT WITH 30mm COMPACTED DEPTH SIZE 10mm TYPE H WEARING COURSE OVERLAYING A VARYING COMPACTED CONSTRUCT NEW CONCRETE FOOTPATH IN DEPTH REGULATION SIZE 14mm TYPE H BASE COURSE IN GENERAL ACCORDANCE WITH MAROONDAH CITY ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-101 COUNCIL STANDARD DRAWING MCC-401 Ex. 1.8% EXISTING ASPHALT PAVEMENT RECONSTRUCT EXISTING CONCRETE VEHICLE CROSSING TO NEW LEVELS ('B2' BARRIER KERB AND CHANNEL AT VEHICLE CROSSING TO INCLUDE 30mm BULLNOSE) IN GENERAL ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-503 TYPICAL SECTION A-A 0 0.5 1.0 1.5 2.0 2.5





DATE INIT APP ELECTRONIC COPIES OF THIS DRAWING ARE NOT TO BE USED FOR DIMENSIONAL SETOUT.



TYPICAL SECTION D-D

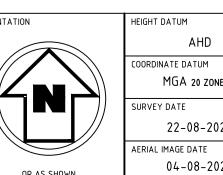
0 0.5 1.0 1.5 2.0 2.5 SCALE METRES	R CONSTR	UCTION	1
CLIENT	DESIGNED	DRAWN	
MAROONDAH CITY COUNCIL	KC / EW		KC
PROJECT TITLE	CHECKED	No. OF SHEETS	
FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS	SS		15
	SCALE	DATE STARTED	
SITE ADDRESS	1:50@A1	04-09-	2024
DICKSON CRESCENT	SITE ID & JOB No.	REV.	
RINGWOOD NORTH, VIC, 3134	S70485-29	1529	
DRAWING TITLE	DRAWING No.		
TYPICAL SECTIONS A-A, B-B, C-C AND D-D	$\begin{bmatrix} 0.09 \end{bmatrix}$)	1

TYPICAL SECTION C-C

					SCALE 0 0.5 1.0 1.5 2.0 2.5 METRES	
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DESCRIPTION





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ISO 9001 Quality Management System ISO 45001 OH&S Manag	jement System

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City Council







KC / EW MAROONDAH CITY COUNCIL No. OF SHEETS FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS SS SCALE DATE STARTED 04-09-2024 SITE ID & JOB No. S 70485-291529 DICKSON CRESCENT RINGWOOD NORTH, VIC, 3134 LONGITUDINAL SECTION - LIP OF KERB 'A' - (LOK A)

LONGITUDINAL SECTION - LIP OF KERB 'A' - (LOK A) SCALE H 0 2 4 6 8 10 METRES V 0 0.2 0.4 0.6 0.8 1.0

																		A	4
DESIGN LINE (DL) VERTICAL GEOMETRY		-0.7%			-0.5%		-1.3%			-2.1%		-3.9%			-5.6%		-6.2%		
DESIGN LINE (DL) HORIZONTAL GEOMETRY								RAD= -20.2m H	IC										
DATUM (AHD) 155																			
DESIGN LINE (DL)	59.322	59.253	59.219	59.193	59.167	59.140	59.077	59.013	58.874	58.771	78 612		58.222	58.039	57.758	57.380	56.866	97799	
EXISTING SURFACE (ES)	159.322 1	159.192	159.113	159.041	158.969 1	158.921 1	158.893 1	75.830 15.8770 1.15.870	158.720 1	158.632 1	1. 8C7851		158.018	157.848 1	157.588 1	157.274 11	156.813	1, 297,921	
DIFFERENCE (DESIGN LINE - EXISTING SURFACE) (mm)	0	61	106	152	198	219	184	183	154	139	781		203	191	170	106		0	
	00000	10.000	15.000	20.000	25.000	30.000	35.000	45.872	49.000	54.000	E7717		71.743	75.000	80.000	86.743	95.000	101.743	



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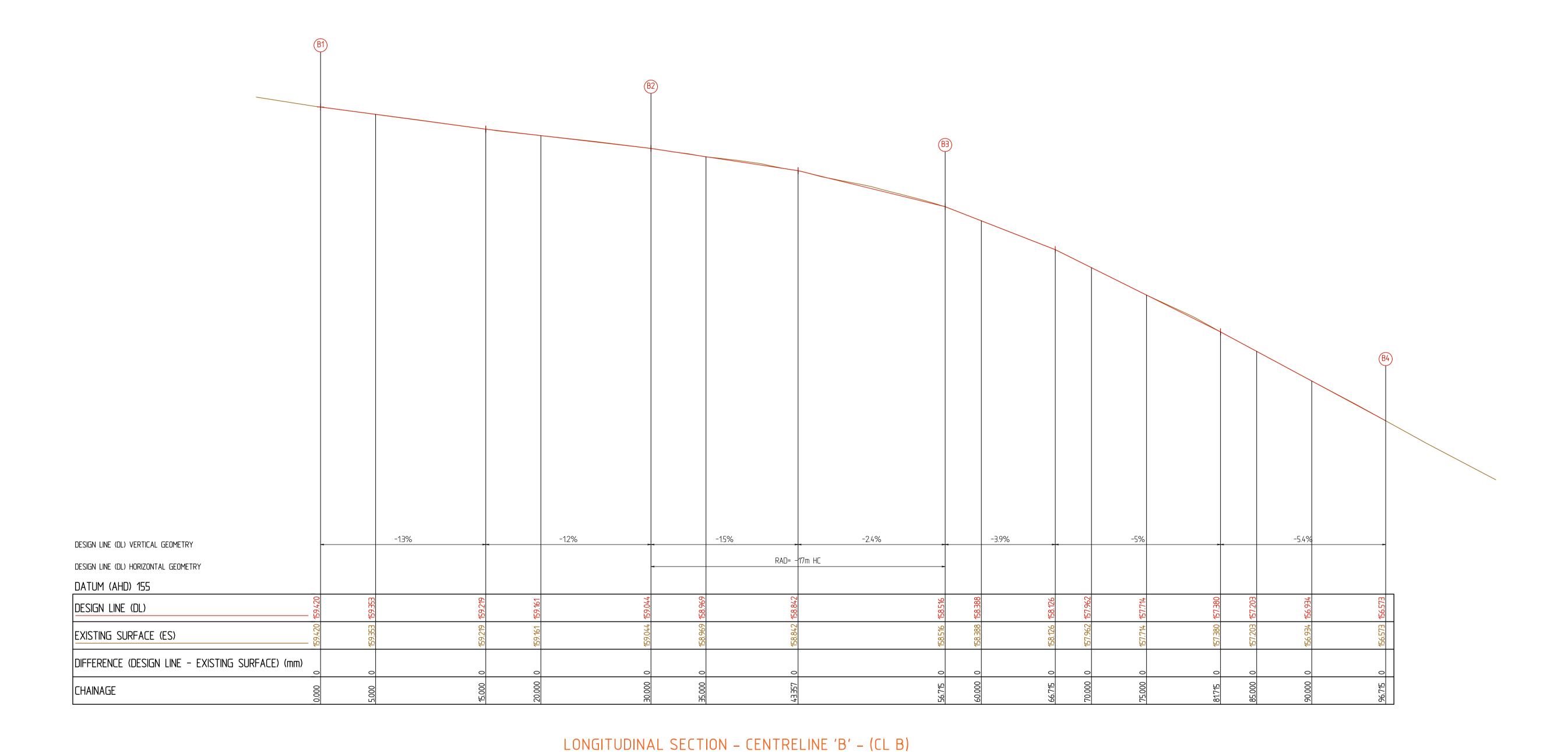
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SCALE DATE STARTED H1:200/V1:20@A1 04-09-2024

SITE ID & JOB No. REV. S 7 0 4 85 - 291529



SCALE H 0 2 4 6 8 10 METRES V 0 0.2 0.4 0.6 0.8 1.0

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ISO 9001 Quality Management System | ISO 45001 OH&S Management System

MAROONDAH CITY COUNCIL

DICKSON CRESCENT RINGWOOD NORTH, VIC, 3134

SYDNEY

FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS

LONGITUDINAL SECTION - CENTRELINE 'B' - (CL B)

HEIGHT DATUM

SURVEY DATE

City Council

ORDINATE DATUM

RIAL IMAGE DATE

 AHD

MGA 20 ZONE 55

22-08-2024

04-08-2024

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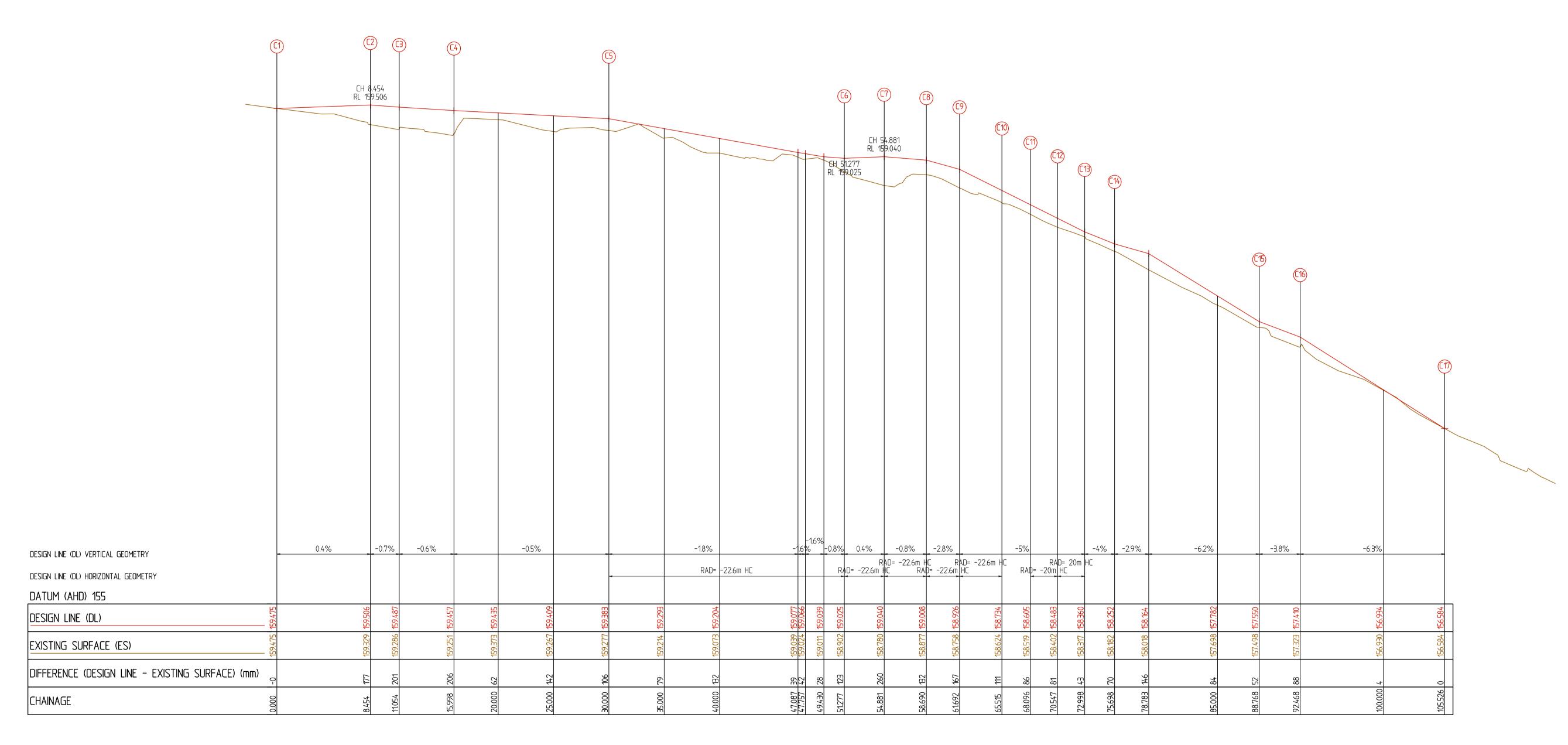
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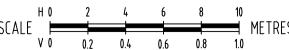
DESCRIPTION



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LONGITUDINAL SECTION - FRONT OF FOOTPATH 'C' - (FOFP C)



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1	FOR CONSTRUCTION	29-10-2024	KC	I KC	ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE RULES, REGULATIONS, BY LAWS AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION OVER ANY PART
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OR AS SHOWN

AHD ATE DATUM MGA 20 ZONE 55	YEARS ADELAIDE MELBOURNE SYDNEY BRISBANE
DATE 22-08-2024	ENGINEERING FORWARD THINKING P 03 9815 7600 2 Domville Ave, Hawthorn VIC 3122 fmgengineering.com.au P 1300 975 878 ABN 58 083 071 185
MAGE DATE 04-08-2024	ISO 9001 Quality Management System ISO 45001 OH&S Management System

<u>l</u>			
	_		
JENT	DESIGNED	DRAWN	
1AROONDAH CITY COUNCIL	KC /	EW	KC
ROJECT TITLE	CHECKED	No. OF SHEE	TS
FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS		SS	15
	SCALE	DATE STAR	TED
TE ADDRESS	H1:200/V1:20(@A1 04	-09-2024
DICKSON CRESCENT	SITE ID & JOB No.	`	REV.
RINGWOOD NORTH, VIC, 3134	S70485-	-291529	
RAWING TITLE	DRAWING No.		
ONGITUDINAL SECTION - FRONT OF FOOTPATH 'C' - (FOFP C)		12	1 1 1
TOTAL SECTION TROUT OF TOOT ATTICE TOTAL C		·	<u> </u>

CROSS SECTION LEGEND

CODE	REFERENCE							
CL	CENTRELINE							
LOK	LIP OF KERB							
BOK	BACK OF KERB							
FOFP	FRONT OF FOOTPATH							
BOFP	BACK OF FOOTPATH							
ВОРС	BACK OF PEDESTRIAN CROSSING							
BULL	VEHICLE CROSSING BULLNOSE							

FOR CONSTRUCTION

DETAILED DESIGN - ISSUED FOR REVIEW

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FOR CONSTRUCTION

KC / EW

SITE ID & JOB No. S70485-291529

SS

H1:100/V1:50@A1 04-09-2024

No. OF SHEETS

MAROONDAH CITY COUNCIL

DICKSON CRESCENT

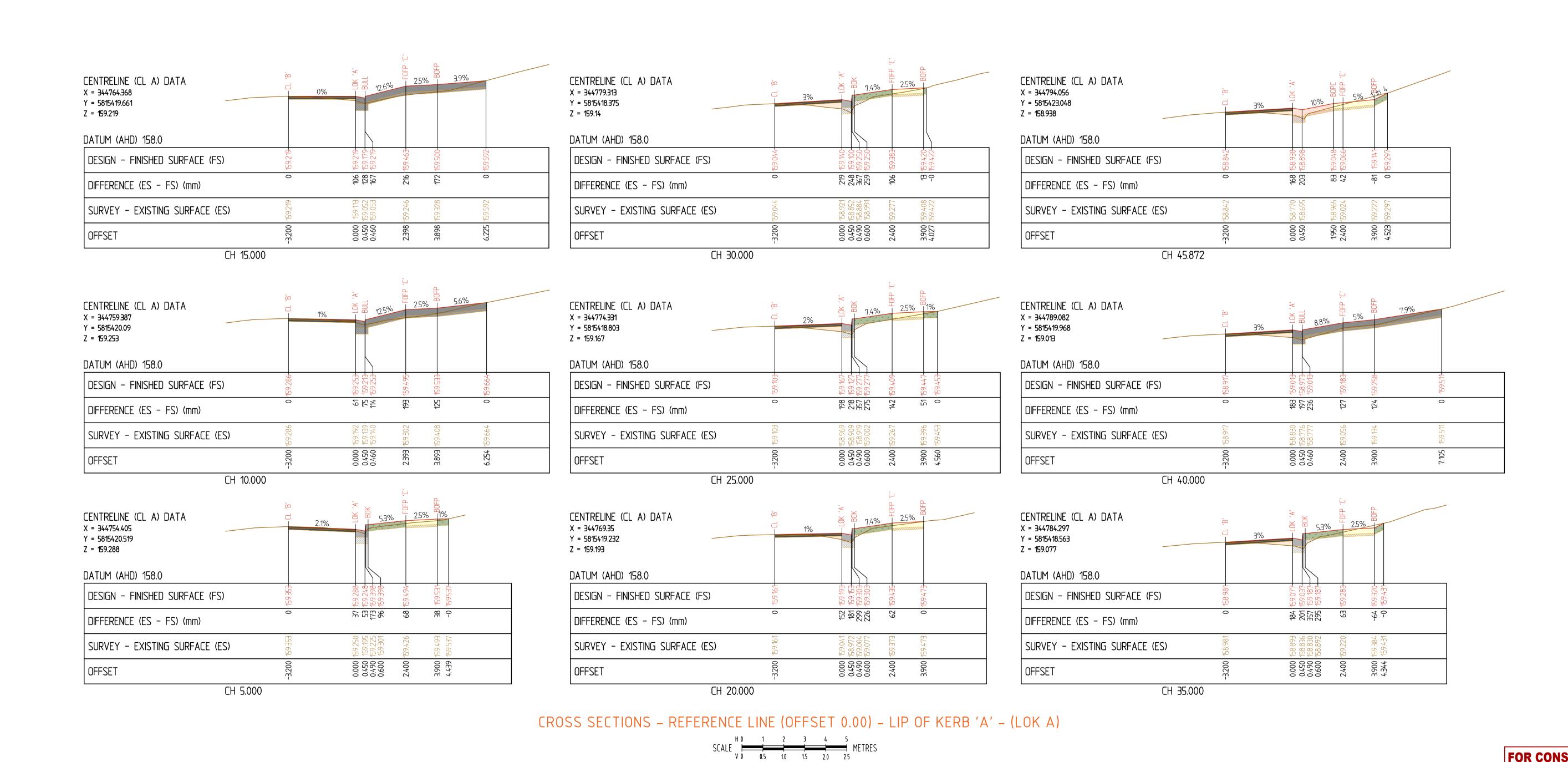
RINGWOOD NORTH, VIC, 3134

SYDNEY

FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS

CROSS SECTIONS - LIP OF KERB 'A' - CH 5.000 A - CH 45.872 A

WARNING



EIGHT DATUM

URVEY DATE

City Council

ORDINATE DATUM

RIAL IMAGE DATE

MGA 20 ZONE 55

22-08-2024

04-08-2024

P 03 9815 7600 2 Domville Ave, Hawthorn VIC 3122

fmgengineering.com.au | P 1300 975 878 | ABN 58 083 071 185

CROSS SECTION LEGEND

-		
	CODE	REFERENCE
	CL	CENTRELINE
	LOK	LIP OF KERB
	BOK	BACK OF KERB
	FOFP	FRONT OF FOOTPATH
	BOFP	BACK OF FOOTPATH
	ВОРС	BACK OF PEDESTRIAN CROSSING
	BULL	VEHICLE CROSSING BULLNOSE

CENTRELINE (CL A) DATA

X = 344799.882

Y = 5815431.204

DATUM (AHD) 158.0

DESIGN - FINISHED SURFACE (FS)

SURVEY - EXISTING SURFACE (ES)

CH 56.000

DIFFERENCE (ES - FS) (mm)

CENTRELINE (CL A) DATA

DATUM (AHD) 158.0

DESIGN - FINISHED SURFACE (FS)

SURVEY - EXISTING SURFACE (ES)

DIFFERENCE (ES - FS) (mm)

Z = 158.73

OFFSET

X = 344799.068

Y = 5815429.378

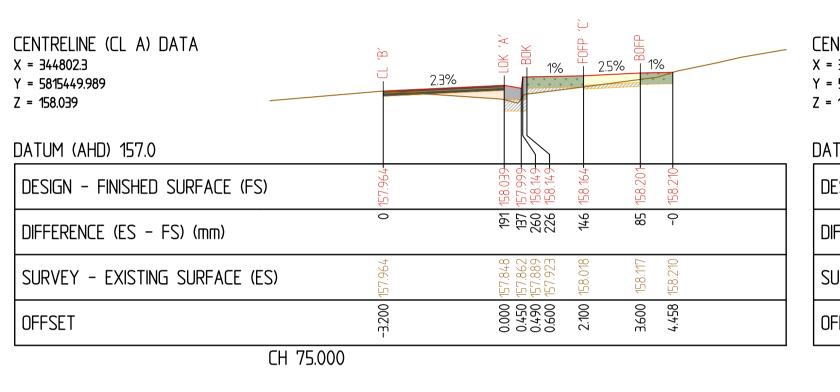
Z = 158.771

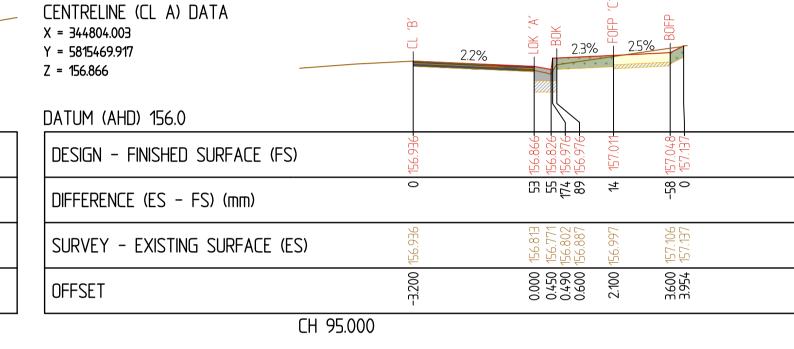
OFFSET

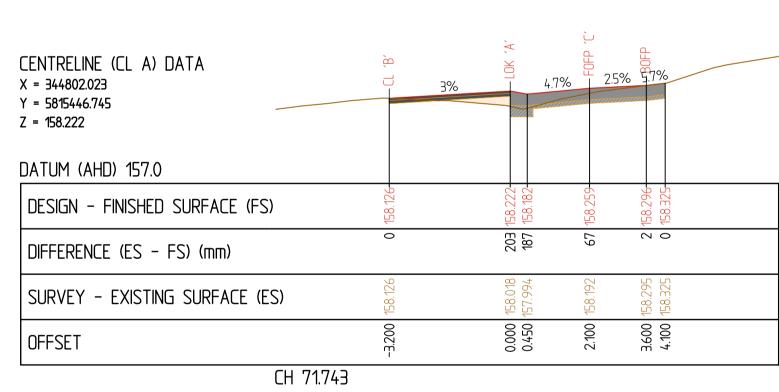


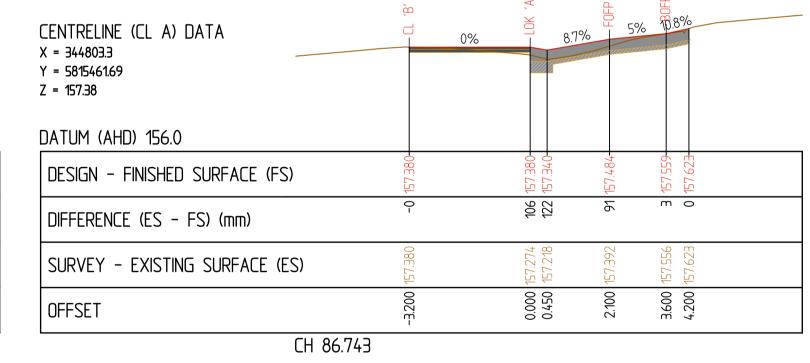
THE LOCATIONS OF SERVICES ARE
APPROXIMATE ONLY AND THEIR EXACT
POSITION SHOULD BE PROVEN ON SITE. NO
GUARANTEE IS GIVEN THAT ALL EXISTING
SERVICES ARE SHOWN

WARNING BEWARE UNDERGROUND SERVICES









CH !	54.000			
CENTRELINE (CL A) DATA X = 344796.284 Y = 5815425.24 Z = 158.874	°€ 1 3%	X 7.8%	,), dJO 5%	13.1%
DATUM (AHD) 158.0				
DESIGN - FINISHED SURFACE (FS)	158.778-	158.874 - 158.834 - 158.874-	159.025-	159.788-
DIFFERENCE (ES - FS) (mm)	0	154 185 226	122	0
SURVEY - EXISTING SURFACE (ES)	158.778	158.720 158.649 158.648	158.903	159.788
OFFSET	-3.200	0.000 0.450 0.460	2.400	

136 145 186

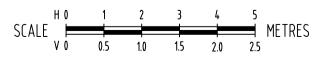
0.000 0.450 0.460

139 150 297 287 173

CENTRELINE (CL A) DATA X = 344801.172 Y = 5815436.781 Z = 158.612	—CL ′8′	3%	× × × 0.7%	2.5	% J	
DATUM (AHD) 158.0						
DESIGN - FINISHED SURFACE (FS)	158.516-		158.612- 158.572- 158.722- 158.722-	158.734-	158.772-	
DIFFERENCE (ES - FS) (mm)	0		184 178 293 207	#	25 -0	
SURVEY - EXISTING SURFACE (ES)	158.516		158.428 158.394 158.429 158.514	158.624	158.747	
OFFSET	-3.200		0.000 0.450 0.490 0.600	2.400	3.900	
CH 61.743						

CENTRELINE (CL A) DATA X = 344802.726 Y = 5815454.971 Z = 157.758	\(\theta\) 1.3%	0.6% 2.59	% 1%	
DATUM (AHD) 157.0				
DESIGN - FINISHED SURFACE (FS)	157.715	157.758 157.868 157.868 157.868	157.914-	
DIFFERENCE (ES - FS) (mm)	0	170 133 252 204 111	92	
SURVEY - EXISTING SURFACE (ES)	157.715	157.588 157.586 157.616 157.665 157.766	157.822	
OFFSET	-3.200	0.000 0.450 0.490 0.600	3.600	
CI	H 80.000			

CROSS SECTIONS - REFERENCE LINE (OFFSET 0.00) - LIP OF KERB 'A' - (LOK A)

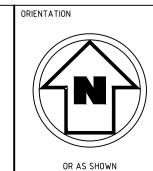


OR CONSTRUCTION	
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REV	DESCRIPTION	DATE	INIT	APP	ELECTRONIC COPIES OF THIS DRAWING ARE NOT TO BE USED FOR DIMENSIONAL SETOUT.
Α	DETAILED DESIGN - ISSUED FOR REVIEW	30-09-2024	KC	KC	OF THE WORK.
1	FOR CONSTRUCTION	29-10-2024	KC	KC	LAWS AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION OVER ANY PART
					ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE RULES, REGULATIONS, BY
					DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF ANY WORK OR MAKING OF ANY SHOP DRAWINGS WHICH MUST BE SUBMITTED <u>AND APPROVED</u> PRIOR TO ANY MANUFACTURE.
					CONTRACTORS MUST SET OUT ALL WORK AND VERIFY ALL CONDITIONS, LEVELS AND
	_				WRITTEN CONSENT OF FMG ENGINEERING.
					INCLUDING THE WHOLE OF SAME, SHALL BE USED FOR ANY PURPOSE OR SITE OTHER THAN WHICH IT WAS PREPARED, NOR BY ANY THIRD PARTY, WITHOUT THE PRIOR
					THIS DRAWING IS COPYRIGHT TO FMG ENGINEERING. NO PART OF THIS DRAWING,
				-	

CH 49.000





	HEIGHT DATUM
	AHD
	COORDINATE DATUM
\	MGA 20 ZONE 55
	SURVEY DATE
′	22-08-2024
	AERIAL IMAGE DATE
	04-08-2024



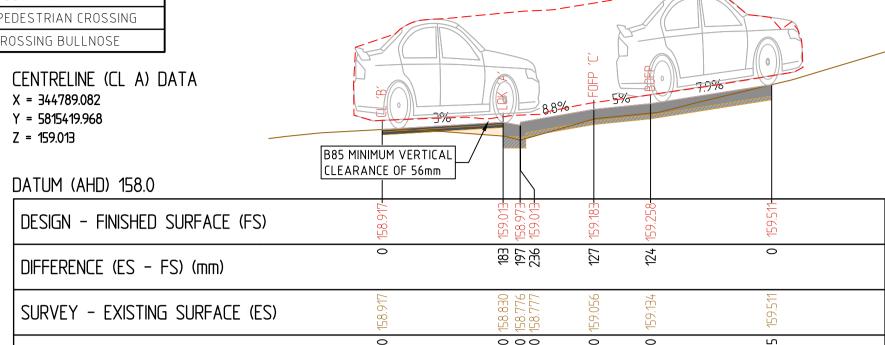
MAROONDAH CITY COUNCIL
FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS SITE ADDRESS
DICKSON CRESCENT RINGWOOD NORTH, VIC, 3134
CROSS SECTIONS - LIP OF KERB 'A' - CH 49.000 A - CH 95.000 A

			•
	DESIGNED	DRAWN	
	KC / EW		K
	CHECKED	No. OF SHEET	S
	SS		15
	SCALE	DATE START	ED
	H1:100/V1:50@A1	04-	-09-2024
	STE ID & JOB No. S70485-29	1529	REV.
	DRAWING No.		
00 A	C 0 1 4	+	1

CROSS SECTION LEGEND

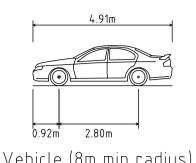
CC	DDE	REFERENCE
	ĪL .	CENTRELINE
L	OK	LIP OF KERB
В	OK	BACK OF KERB
FC)FP	FRONT OF FOOTPATH
ВС)FP	BACK OF FOOTPATH
ВС)PC	BACK OF PEDESTRIAN CROSSING
ВІ	JLL	VEHICLE CROSSING BULLNOSE

OFFSET



CH 40.000 - NORTH RINGWOOD UNITING CHURCH (SOUTHERN VEHICLE CROSSING)

CENTRELINE (CL A) DATA X = 344802.023Y = 5815446.745Z = 158.222B85 MINIMUM VERTICAL CLEARANCE OF 59mm DATUM (AHD) 157.0 DESIGN - FINISHED SURFACE (FS) 67 DIFFERENCE (ES - FS) (mm) SURVEY - EXISTING SURFACE (ES) OFFSET CH 71.743 - No. 20 OF DICKSON CRESCENT (PRIMARY VEHICLE CROSSING) VEHICLE CROSSING VERTICAL CLEARANCE CHECKS HAVE BEEN COMPLETED IN AUTODESK VEHICLE



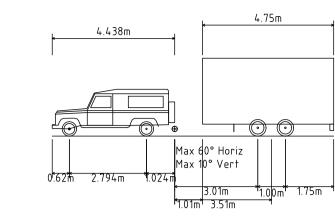
B85 Vehicle (8m min radius) (2004) Overall Length 4.910m Overall Width 1.870m Overall Body Height 1.421m Min Body Ground Clearance 0.159m Track Width 1.770m

4.00s

8.000 m

Lock-to-lock time

Curb to Curb Turning Radius



YOU DIG

LAND ROVER 110 (DOUBLE CAB) + lfor WILLIAMS HB510XL HORSEBOX

WARNING BEWARE UNDERGROUND SERVICES

THE LOCATIONS OF SERVICES ARE

APPROXIMATE ONLY AND THEIR EXACT

POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

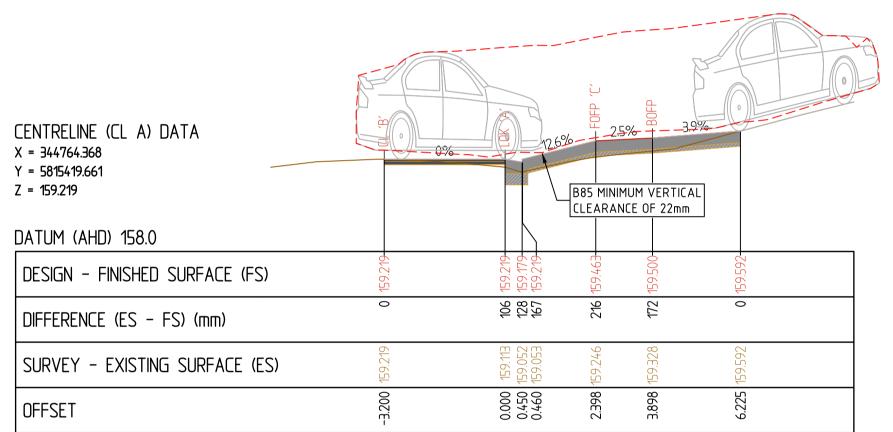
Overall Length	10.198m
Overall Width	2.300m
Overall Body Height	2.820m
Min Body Ground Clearance	0.160m
Track Width	2.298m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	7.200m

VEHICLE CROSSING VERTICAL CLEARANCE CHECKS HAVE BEEN COMPLETED IN AUTODESK VEHICLE TRACKING WITH SCALED (2x VERTICAL EXAGGERATION) RESULTS PRESENTED ON CROSS-SECTIONS

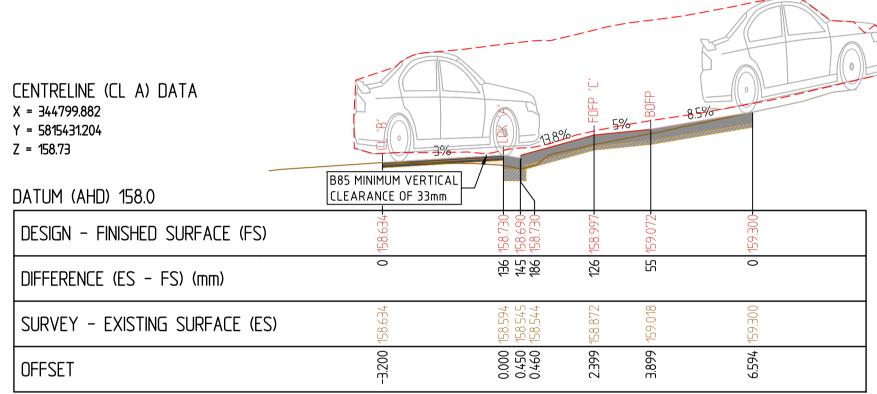


TRACKING WITH SCALED (2x VERTICAL EXAGGERATION) RESULTS PRESENTED ON CROSS-SECTIONS

MAROONDAH CITY COUNCIL TO CONFIRM ACCEPTANCE OF VEHICLE CROSSING VERTICAL CLEARANCES PROVIDED (FURTHER WORKS TO GRADE INTO PRIVATE PROPERTY MAY BE REQUIRED IF ADDITIONAL CLEARANCE IS REQUESTED)



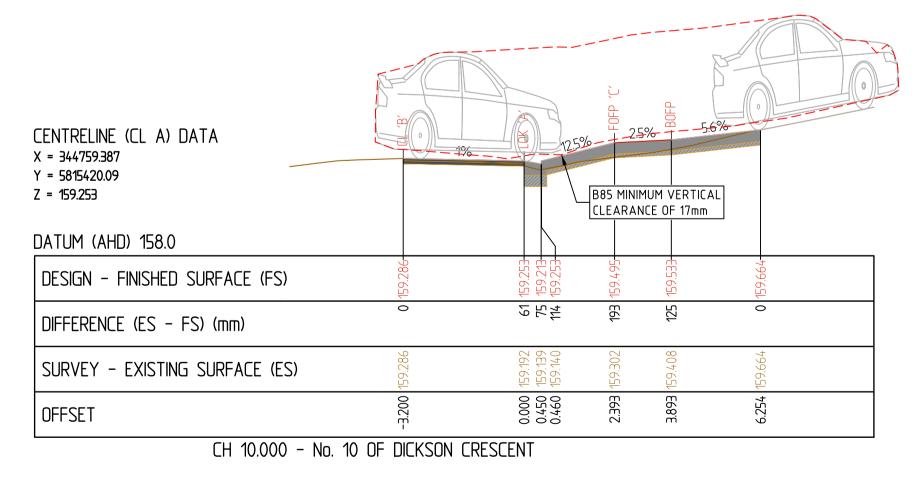
CH 15.000 - No. 12 OF DICKSON CRESCENT

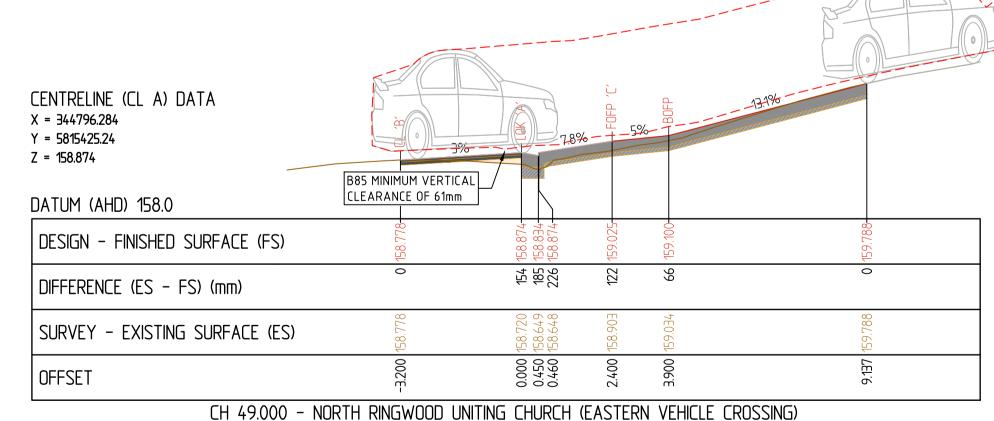


CH 56.000 - No. 18 OF DICKSON CRESCENT

CENTRELINE (CL A) DATA X = 344803.3 Y = 5815461.69 Z = 157.38 DATUM (AHD) 156.0	0%	9.77		LAND FLOO DEPIC	ROVER 110 (DOUBLE CAB) AND LOW R WILLIAMS HB510XL HORSEBOX (TO T DUAL AXLE CARAVAN) MINIMUM TICAL CLEARANCE OF 42mm
DESIGN - FINISHED SURFACE (FS)	157.380-	157.380-	157.484-	157.559 . 157.62 3 -	
DIFFERENCE (ES - FS) (mm)	0-	106	9	E 0	
SURVEY - EXISTING SURFACE (ES)	157.380	157.274	157.392	157.556	
OFFSET	-3.200	0.000	2.100	3.600	
CU 0/7/2 N-	א א הב חורגלטאו ר	DECENT /CEC		/ VEHICLE CDC	ACCINIC)

CH 86.743 - No. 20 OF DICKSON CRESCENT (SECONDARY VEHICLE CROSSING)



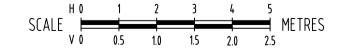


CH 49.000 - NORTH RINGWOOD UNITING CHURCH (EASTERN VEHICLE CROSSING)

	CENTRELINE (CL A) DATA X = 344803.3 Y = 5815461.69 Z = 157.38	B85 MINIMUM VERTICAL CLEARANCE OF 42mm	8.79	LOFP C	76 10 39 N	
_	DATUM (AHD) 156.0					_
	DESIGN - FINISHED SURFACE (FS)	157.380	157.380-	157.484-	157.559-	
	DIFFERENCE (ES - FS) (mm)	0-	106	91	m 0	
	SURVEY - EXISTING SURFACE (ES)	<u>,</u>	157.274	157.392	157.556	
	OFFSET	-3.200	0.000	2.100	3.600	

CH 86.743 - No. 20 OF DICKSON CRESCENT (SECONDARY VEHICLE CROSSING)

VEHICLE CROSSING VERTICAL CLEARANCE CHECKS



FOR CONSTRUCTION

					INCLUDING THE WHOLE OF SAME, SHALL BE USED FOR ANY PURPOSE OR SITE OTHER	CL
					THAN WHICH IT WAS PREPARED, NOR BY ANY THIRD PARTY, WITHOUT THE PRIOR WRITTEN CONSENT OF FMG ENGINEERING.	
					CONTRACTORS MUST SET OUT ALL WORK AND VERIFY ALL CONDITIONS, LEVELS AND DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF ANY WORK OR MAKING OF ANY SHOP	
					DRAWINGS WHICH MUST BE SUBMITTED <u>and approved</u> prior to any manufacture.	
1	FOR CONSTRUCTION	29-10-2024	KC	KC	ALL WORK MUST BE EXECUTED IN ACCORDANCE WITH THE RULES, REGULATIONS, BY LAWS AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION OVER ANY PART	
Α	DETAILED DESIGN - ISSUED FOR REVIEW	30-09-2024	KC	KC	OF THE WORK.	
RFV	DESCRIPTION	DATE	INIT	ΔΡΡ	ELECTRONIC COPIES OF THIS DRAWING ARE NOT TO BE USED FOR DIMENSIONAL SETOUT.	1



ORIENTATION
OR AS SHOWN

	HEIGHT DATUM
	AHD
	COORDINATE DATUM
1)	MGA 20 ZONE 55
]]	SURVEY DATE
/	22-08-2024
	AERIAL IMAGE DATE
	04-08-2024



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	CLIENT	DESIGNED		DRAWN	
	MAROONDAH CITY COUNCIL		KC / EW		KC
	PROJECT TITLE	CHECKED		No. OF SHEET	S
	FOOTPATH UPGRADE AND ROAD MODIFICATION WORKS		SS		15
		SCALE		DATE STARTI	ED
	SITE ADDRESS	H1:100/	V1:50@A1	04-	09-2024
	DICKSON CRESCENT	SITE ID & JO			REV.
	RINGWOOD NORTH, VIC, 3134 DRAWING TITLE		S70485-291529		
			DRAWING No.		
			$C \cap 1E$		1
IVEHICLE CROSSING VERTICAL CLEARANCE CHECKS					