

ROAD & DRAINAGE RECONSTRUCTION WORKS

NAGOONDIE LANE, HEALESVILLE

 THE CONTRACTOR IS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITY SERVICES PRIOR TO CARRYING OUT WORKS BY TELEPHONING 1100 "DIAL BEFORE YOU DIG".

NOTES

- 2. DISCREPANCIES BETWEEN PLANS AND EXISTING CONDITIONS ARE TO BE REPORTED IMMEDIATELY TO THE COUNCIL'S SUPERVISING ENGINEER.
- 3. ALL SURPLUS EXCAVATED MATERIAL REMAINS THE PROPERTY OF THE CONTRACTOR UNLESS SPECIFIED OTHERWISE OR ADVISED BY THE COUNCIL'S SUPERVISING ENGINEER.
- "REMOVE" SHALL MEAN REMOVE OFF-SITE AND DISPOSE OF AT AN APPROVED DISPOSAL SITE AT THE CONTRACTOR'S EXPENSE, UNLESS SPECIFIED OTHERWISE.
- 5. ON COMPLETION OF CONSTRUCTION ALL WORK AREA ARE TO BE CLEANED UP & REINSTATED TO THE SATISFACTION OF THE COUNCIL'S SUPERVISING ENGINEER.

PAVEMENT

GENERAL

- 6. ROAD CROSSFALL TO BE 1 in 36 FALLING TOWARDS THE TABLE DRAIN OR KERB AND CHANNEL UNLESS SPECIFIED OTHERWISE.
- 7. AT NEW FILL AREAS THE TOPSOIL SHALL BE STRIPPED AND FILLING MATERIAL PLACED IN 150mm THICK LAYER AND COMPACTED 05% A.A.S.H.O. COMPACTION TEST, THE TOPSOIL IS THEN RE-SPREAD ON THE BATTER AREAS
- 8. NEW CONCRETE FOOTPATH PAVING TO BE 32 MPa STRENGTH.
- TACTILE GROUND SURFACE INDICATOR (TGSI) PAVERS ARE TO BE 300mm x 300mm x 40mm PRE-CAST CONCRETE PAVERS AND SHALL HAVE A MINIMUM LUMINANCE CONTRAST OF 30% COMPARED TO THE AMOUNT OF LIGHT REFLECTED FROM THE ADJACENT SURFACE.

ROADSIDE

- 10. EXISTING DRIVEWAY ENTRANCES TO BE REINSTATED AND SEALED FOR 1.0m FROM EDGE OF SEAL WITH 50mm COMPACTED DEPTH 10mm TYPE N ASPHALT ON A BASE OF 100mm COMPACTED DEPTH CLASS 2 FINE CRUSHED ROCK.
- 11. EXISTING DRIVEWAYS ARE TO BE REINSTATED FROM BACK OF KERB OR EDGE OF SEAL AT A MAXIMUM GRADE OF 1 in 8 FOR 2.0m THEN 1 in 4 THEREAFTER WITH A TRANSITION OF 1 in 6 FOR 2.0m IS PREFERRED WHERE POSSIBLE AS PER:
- 11.a. GRAVEL DRIVEWAY WITH 50mm COMPACTED DEPTH OF 3% CEMENT TREATED CRUSHED ROCK UNLESS SPECIFIED OTHERWISE.
- ASPHALT DRIVEWAYS WITH 50mm COMPACTED DEPTH 10mm NOMINAL SIZE ASPHALT ON A BASE OF 100mm COMPACTED DEPTH CLASS 2 FINE CRUSHED ROCK.
- 11.c. CONCRETE DRIVEWAYS WITH 150mm DEPTH CONCRETE PAVING ON A BASE OF 50mm COMPACTED DEPTH CLASS 2 FINE CRUSHED ROCK.
- 11.d. BRICK PAVER DRIVEWAYS WITH SUITABLE HEAVY DUTY BRICK PAVERS ON 30mm OF BEDDING SAND ON A BASE OF 100mm COMPACTED DEPTH CLASS 2 FINE CRUSHED ROCK.
- TABLE DRAIN TO BE CLEANED, REDEFINED OR DEFINED AS NECESSARY ALONG THE HIGH SIDE OF THE ROADWAY, REFER TO TYPE OF SECTION FOR TABLE DRAIN PROFILE, MINIMUM DEPTH 300mm.

DRAINAGE

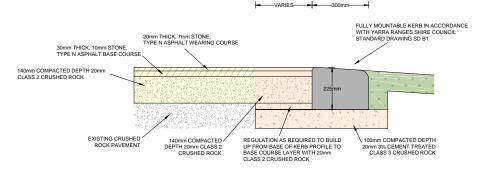
- 13. ALL DRAINAGE PIPES TO BE CLASS 2 RUBBER RING JOINTED SPIGOT AND SOCKET UNLESS SPECIFIED OTHERWISE.
- 14. ALL PROPERTY STORM WATER OUTLETS WITHIN 3.0m OF THE NEW DRAIN OR KERB ARE TO BE CONNECTED TO UNDERGROUND DRAINAGE PIPES WHERE AVAILABLE, OR BACK OF KERB WHERE UNDERGROUND DRAINAGE PIPES ARE NOT AVAILABLE.
- 15. DRAINAGE PITS GREATER THAN 1.0m IN DEPTH TO BE PROVIDED WITH STEP IRONS AT 300mm CENTRES VERTICALLY.
- A.G. DRAIN PLACED BEHIND KERB AND CHANNEL AS SHOWN ON PLAN IF WITHIN 3.0m OF ANY TREE EXCAVATION TO BE HAND DUG OR BORED TO MINIMISE ROOT DAMAGE OF TREE.

VEGETATION

- 17. TREE PROTECTION ZONES (TPZ) HAVE BEEN SHOWN FOR ALL TREES LOCATED CLOSE TO THE WORKS AREA. WORKS AND ANY STOCKPILES OF CONSTRUCTION EQUIPMENT AND MATERIAL ARE TO BE CONTAINED OUTSIDE THE TPZ UNLESS SPECIFICALLY APPROVED BY THIS PLAN. PRIOR APPROVAL MUST BE SOUGHT FOR ANY WORKS NOT SPECIFIED AND APPROVED BY THIS PLAN THAT ARE TO BE CONDUCTED WITHIN THE TPZ OF ANY TREE.
- 18. ONLY TREES SHOWN TO BE REMOVED ON THIS PLAN CAN BE REMOVED. ANY DAMAGE TO THE BARK, BRANCHES, TRUNKS OR ROOTS OF OTHER TREES SHOULD BE IMMEDIATELY REPORTED TO COUNCIL'S CONSTRUCTION SURVEILLANCE OFFICER BEFORE ANY WORKS CONTINUE AROUND THE SUBJECT VEGETATION.

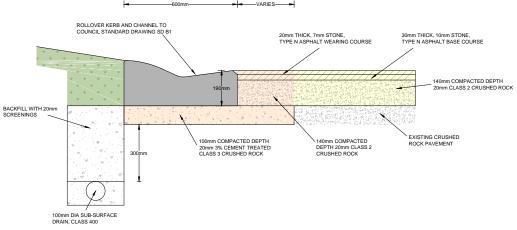
ANCILLARY

19. ALL EXISTING SIGNS AND POSTS REMAIN THE PROPERTY OF THE COUNCIL.



FULLY MOUNTABLE KERB DETAIL

GENERALLY IN ACCORDANCE WITH YARI RANGES SHIRE COUNCIL DRAWING SD / I NOT TO SCALE



ROLLOVER KERB AND CHANNEL DETAIL

GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL DRAWING SD / D5

NOT TO SCALE



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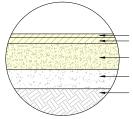


WARNING

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

DRAWING INDEX

SHEET No.	TITLE
1	TITLE SHEET - LOCALITY PLAN, GENERAL NOTES, DETAILS & DRAWING INDEX
2	OVERALL PLAN
3	SECTIONS A-A, B-B & C-C
4	GENERAL LAYOUT PLAN
5	GENERAL LAYOUT PLAN
6	SWEPT PATH ANALYSIS PLAN - YRSC WASTE VEHICLE
7	SWEPT PATH ANALYSIS PLAN - B85 VEHICLE

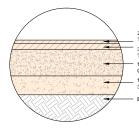


20mm COMPACTED DEPTH OF SIZE 7mm TYPE N ASPHALT WEARING COURSE 30mm COMPACTED DEPTH OF SIZE 10mm TYPE N ASPHALT WEARING COURSE 140mm COMPACTED DEPTH OF SIZE 20mm CLASS 2 CRUSHED ROCK

- EXISTING CRUSHED ROCK PAVEMENT

EXISTING SUBGRADE

OVERLAY EXISTING PAVEMENT DETAIL NOT TO SCALE

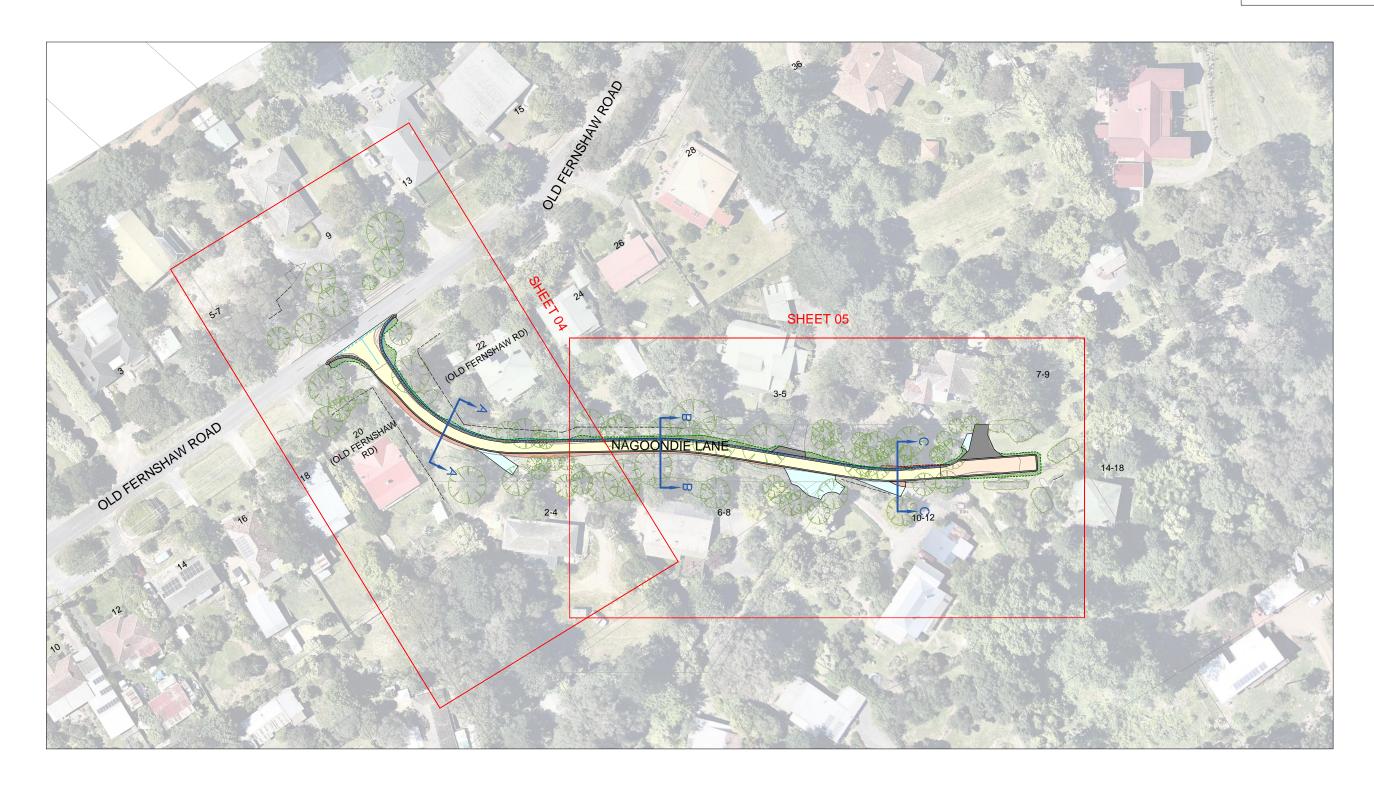


20mm COMPACTED DEPTH OF SIZE 7mm TYPE N ASPHALT WEARING COURSE 30mm COMPACTED DEPTH OF SIZE 10mm TYPE N ASPHALT WEARING COURSE 140mm COMPACTED DEPTH OF SIZE 20mm CLASS 2 CRUSHED ROCK 100mm COMPACTED DEPTH OF SIZE 20mm 3% CEMENT TREATED CLASS 3 CRUSHED ROCK EXISTING SIRGEADE

FULL DEPTH PAVEMENT DETAIL not to scale

FUNCTIONAL DESIGN ROAD & DRAINAGE RECONSTRUCTION WORKS NAGOONDIE LANE, HEALESVILLE PROJECT No. PC20010A SHEET No. 01 OF 07 VERSION 00 DWG No. PC20010A-01-00

TITLE SHEET - LOCALITY PLAN, GENERAL NOTES, DETAILS & DRAWING INDEX







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00 FUNCTIONAL DESIGN - ISSUED FOR REVIEW

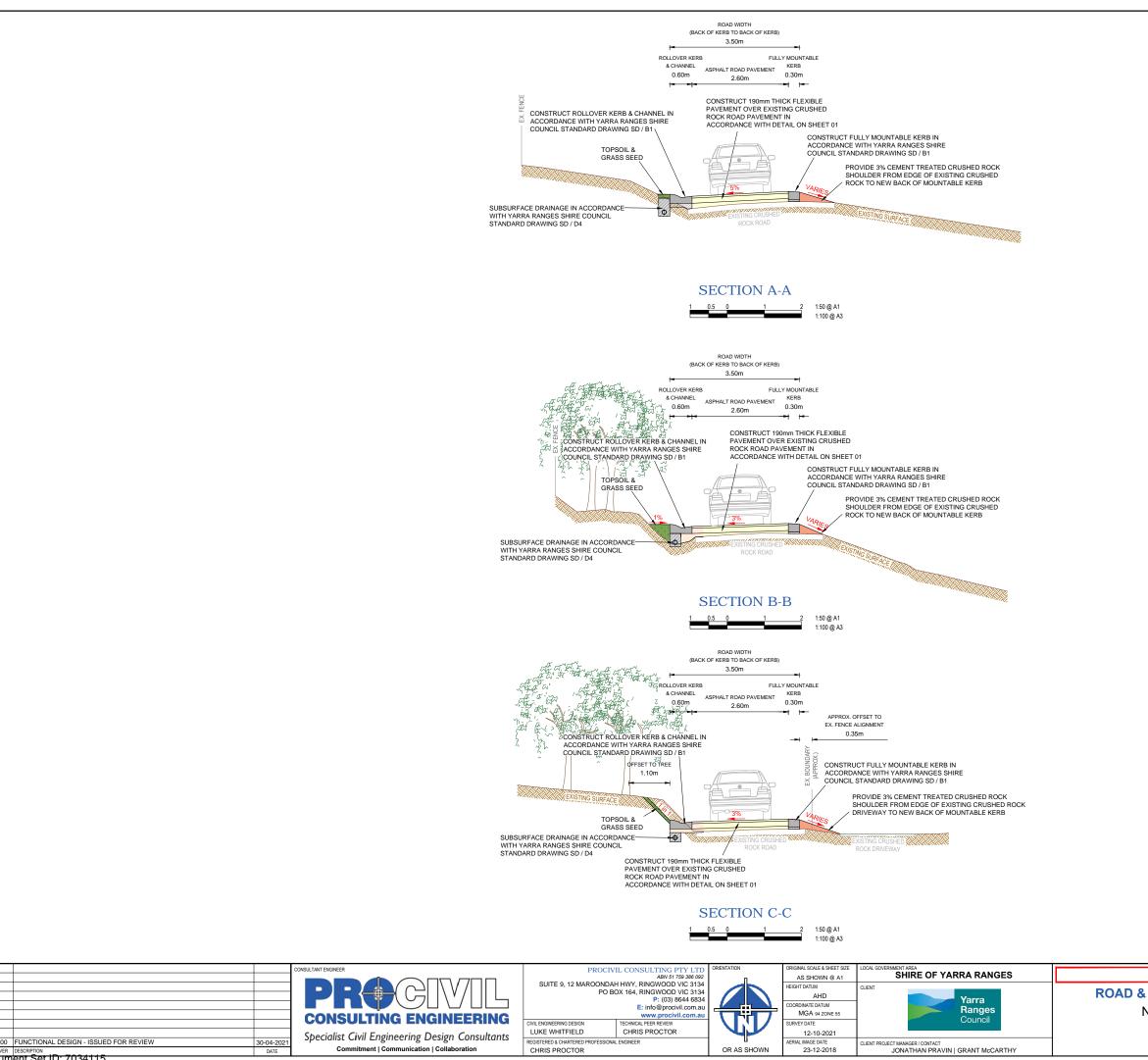


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FUNCTIONAL DESIGN **ROAD & DRAINAGE RECONSTRUCTION WORKS** NAGOONDIE LANE, HEALESVILLE

PROJECT No. PC20010A 02 OF 07 SION 00

-OVERALL PLAN DWG No. PC20010A-02-00



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FUNCTIONAL DESIGN ROAD & DRAINAGE RECONSTRUCTION WORKS NAGOONDIE LANE, HEALESVILLE PROJECT No. PC20010A SHEET No. 03 OF 07 VERSION 00 DWG No.

PC20010A-03-00

SECTIONS A-A, B-B & C-C

LEGEND

OVERLAY EXISTING PAVEMENT - 190mm THICK FLEXIBLE PAVEMENT IN ACCORDANCE WITH DETAIL ON SHEET 01



FULL DEPTH PAVEMENT - 290mm THICK FLEXIBLE PAVEMENT IN ACCORDANCE WITH DETAIL ON SHEET 01

LAWN AREA TO BE REINSTATED WITH YARRA RANGES SHIRE COUNCIL APPROVED TOPSOIL AND SEED

150mm MINIMUM THICKNESS CONCRETE VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2

100mm MINIMUM THICKNESS CLASS 2 CRUSHED ROCK VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2

VARYING DEPTH 20mm 3% CEMENT TREATED CLASS 3 CRUSHED ROCK SHOULDER

- PROPOSED PAVEMENT GRADE
- EXISTING DRAINAGE PIPE
- 2 NEW DRAINAGE PIT WITH PIT NUMBER AND PIPE

- —sd—
- DIRECTION OF CHANNEL FLOW
 SUBSURFACE DRAINAGE IN ACCORDANCE WITH YARRA
 RANGES SHIRE COUNCIL STANDARD DRAWING SD / D4
 SWALE INVERT _<_
- PAVEMENT LINE MARKING

- NEW CONCRETE SLEEPER RETAINING WALL GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / F5
- NEW CONCRETE KERB AND CHANNEL IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / B1
- EXISTING TELECOMMUNICATIONS EXISTING UNDERGROUND ELECTRICITY _____FX F____ EXISTING CONTOUR MAJOR (1.0m) EXISTING CONTOUR MINOR (0.2m) FINISHED SURFACE CONTOUR MAJOR (1.0m) TREE CONSIDERED FOR REMOVAL
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O-EX S-

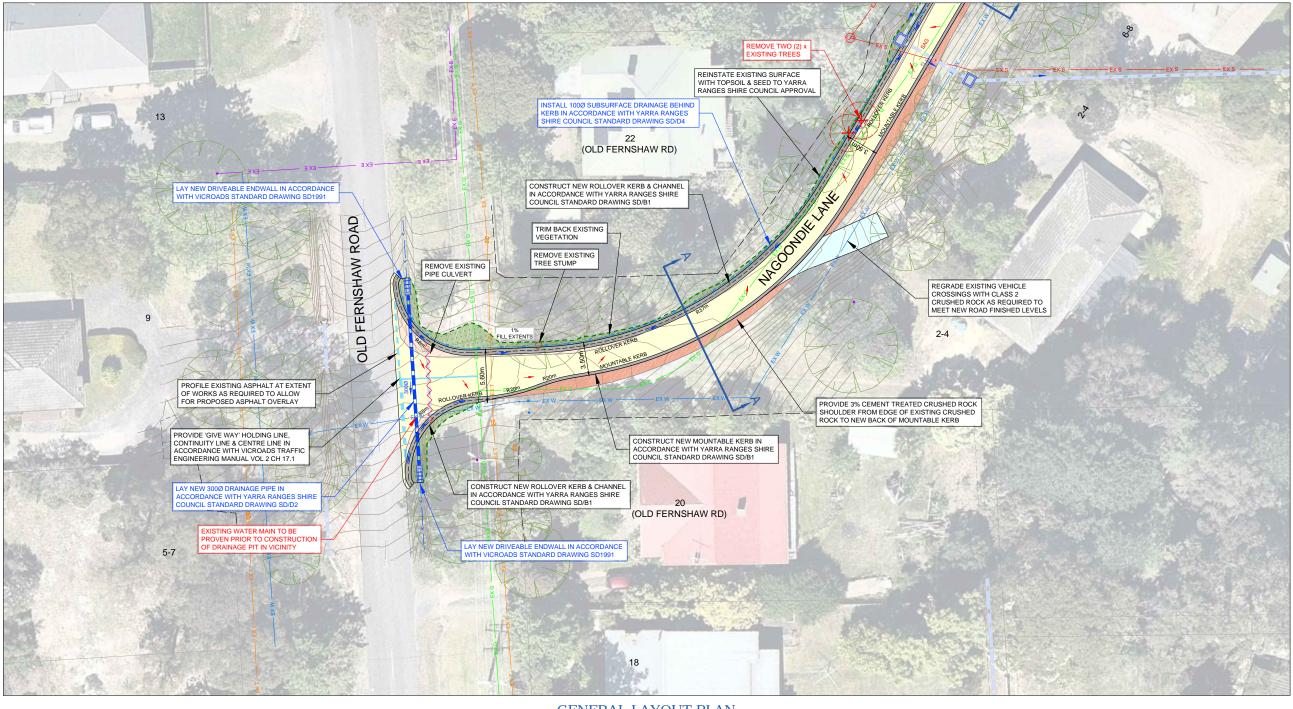
- FINISHED SURFACE CONTOUR MINOR (0.2m) ---- FILL BATTER EXTENT ---- CUT BATTER EXTENT REMOVE EXISTING DRAINAGE PIPE

EXISTING WATER

EXISTING SEWER

EXISTING GAS

CONTINUED ON SHEET 05





			PROCIVIL CONSULTING PTY LTD ABN 51 759 386 092	I n	ORIGINAL SCALE & SHEET SIZE AS SHOWN @ A1	LOCAL GOVERNMENT AREA SHIRE OF YARRA RANGES	
			SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 3134 PO BOX 164, RINGWOOD VIC 3134 P: (03) 8644 6834		HEIGHT DATUM	CLIENT	ROAD & DR
		CONSULTING ENGINEERING	E: info@procivil.com.au www.procivil.com.au		COORDINATE DATUM MGA 94 ZONE 55	Ranges Council	NAG
		Specialist Civil Engineering Design Consultants	CIVIL ENGINEERING DESIGN TECHNICAL PEER REVIEW LUKE WHITFIELD CHRIS PROCTOR		SURVEY DATE 12-10-2021	Council	
00 FUNCTIONAL DESIGN - ISSUED FOR REVIEW VER DESCRIPTION	30-04-2021 DATE	Commitment Communication Collaboration	REGISTERED & CHARTERED PROFESSIONAL ENGINEER CHRIS PROCTOR	OR AS SHOWN	AERIAL IMAGE DATE 23-12-2018	CLIENT PROJECT MANAGER / CONTACT JONATHAN PRAVIN GRANT McCARTHY	

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FUNCTIONAL DESIGN **PRAINAGE RECONSTRUCTION WORKS** AGOONDIE LANE, HEALESVILLE

PC20010A 04 of 07 00 VG No. PC20010A-04-0

GENERAL LAYOUT PLAN

LEGEND

OVERLAY EXISTING PAVEMENT - 190mm THICK FLEXIBLE PAVEMENT IN ACCORDANCE WITH DETAIL ON SHEET 01



FULL DEPTH PAVEMENT - 290mm THICK FLEXIBLE PAVEMENT IN ACCORDANCE WITH DETAIL ON SHEET 01

LAWN AREA TO BE REINSTATED WITH YARRA RANGES SHIRE COUNCIL APPROVED TOPSOIL AND SEED

150mm MINIMUM THICKNESS CONCRETE VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2

100mm MINIMUM THICKNESS CLASS 2 CRUSHED ROCK VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2

VARYING DEPTH 20mm 3% CEMENT TREATED CLASS 3 CRUSHED ROCK SHOULDER

04

SHEE

CONTINUED ON

- PROPOSED PAVEMENT GRADE
- EXISTING DRAINAGE PIPE
- (2) NEW DRAINAGE PIT WITH PIT NUMBER AND PIPE
- DIRECTION OF CHANNEL FLOW
- SUBSURFACE DRAINAGE IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / D4 -sd-
- _<_ SWALE INVERT
- PAVEMENT LINE MARKING

- NEW CONCRETE SLEEPER RETAINING WALL GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / F5
- NEW CONCRETE KERB AND CHANNEL IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / B1 \bigotimes
- EXISTING CONTOUR MINOR (0.2m) FINISHED SURFACE CONTOUR MAJOR (1.0m) FINISHED SURFACE CONTOUR MINOR (0.2m) - - - - - FILL BATTER EXTENT REMOVE EXISTING DRAINAGE PIPE TREE CONSIDERED FOR REMOVAL

EXISTING TELECOMMUNICATIONS EXISTING UNDERGROUND ELECTRICITY

EXISTING WATER

EXISTING SEWER

46 EXISTING CONTOUR MAJOR (1.0m)

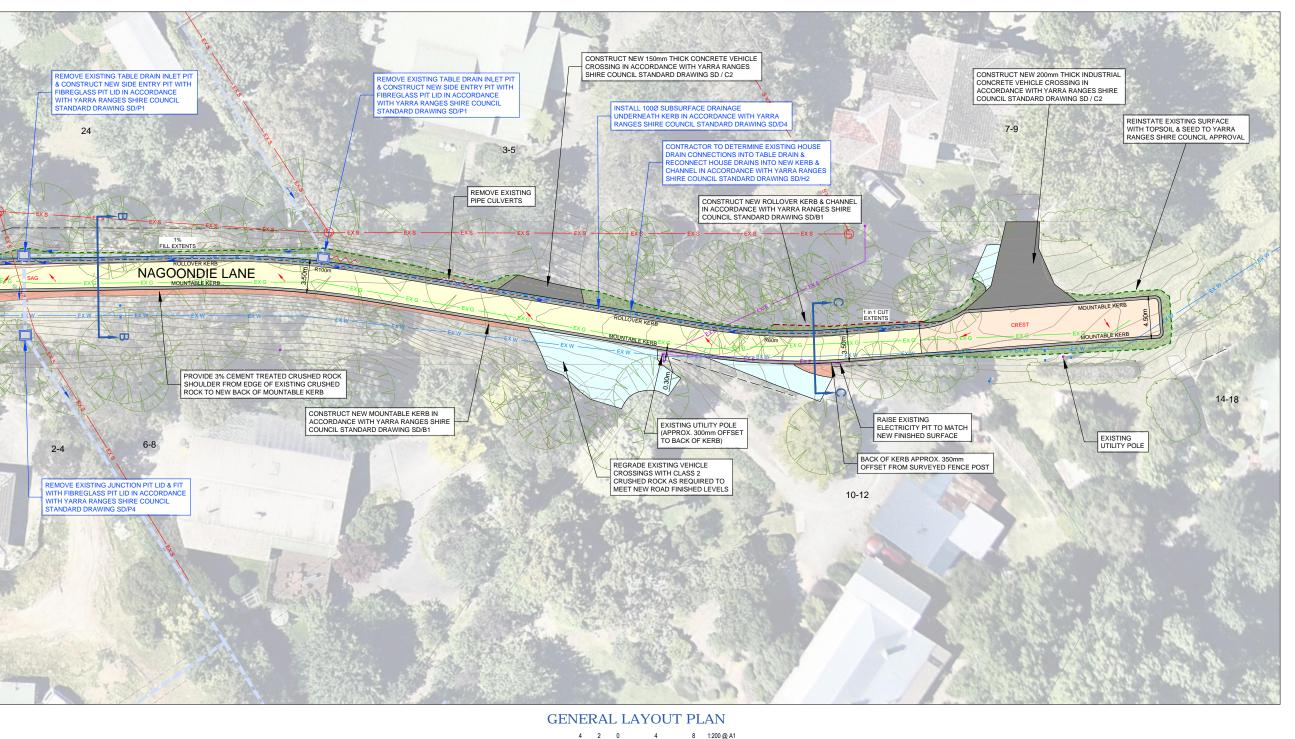
EXISTING GAS

-EX G-

O-EX S-

——EX T —

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	CONSULTANT ENGINEER	PROCIVIL CONSULTING PTY LTD ABN 51 759 386 092	ORIENTATION	ORIGINAL SCALE & SHEET SIZE	SHIRE OF YARRA RANGES	il P
		SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 3134 PO BOX 164, RINGWOOD VIC 3134		AS SHOWN @ A1 HEIGHT DATUM	CLIENT	ROAD & DRA
		P: (03) 8644 6834 E: info@procivil.com.au		AHD COORDINATE DATUM MGA 94 ZONE 55	Yarra Ranges	NAGC
	CONSULTING ENGINEERING	CIVIL ENGINEERING DESIGN TECHNICAL PER REVIEW		SURVEY DATE	Council	
00 FUNCTIONAL DESIGN - ISSUED FOR REVIEW 30-04-2021	Specialist Civil Engineering Design Consultants	LUKE WHITFIELD CHRIS PROCTOR REGISTERED & CHARTERED PROFESSIONAL ENGINEER		12-10-2021 AERIAL IMAGE DATE	CLIENT PROJECT MANAGER / CONTACT	l
VER DESCRIPTION DATE	Commitment Communication Collaboration	CHRIS PROCTOR	OR AS SHOWN	23-12-2018	JONATHAN PRAVIN GRANT McCARTHY	1

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WARNING

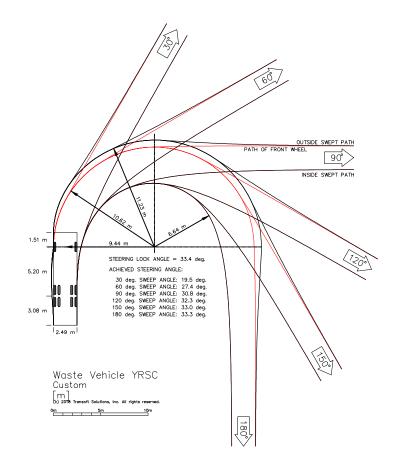
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FUNCTIONAL DESIGN RAINAGE RECONSTRUCTION WORKS GOONDIE LANE, HEALESVILLE

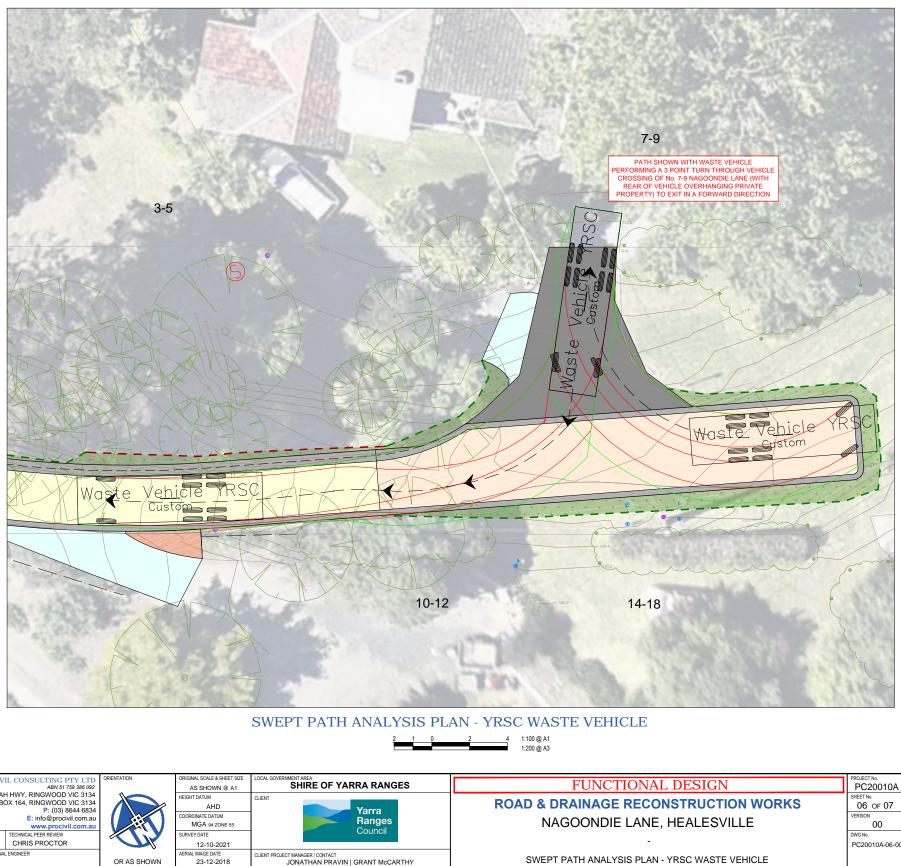
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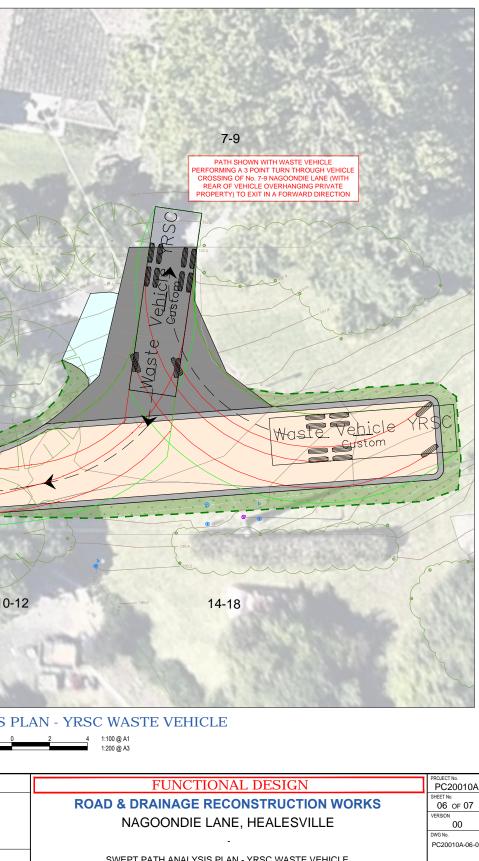
GENERAL LAYOUT PLAN

PC20010A-05-0









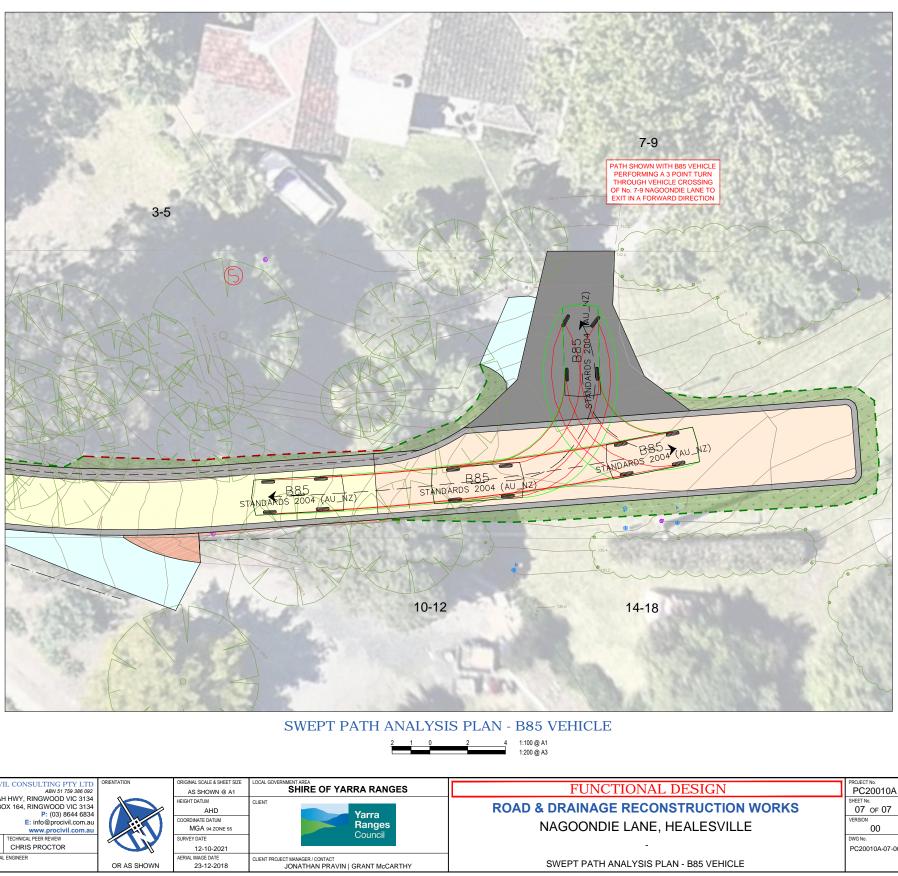
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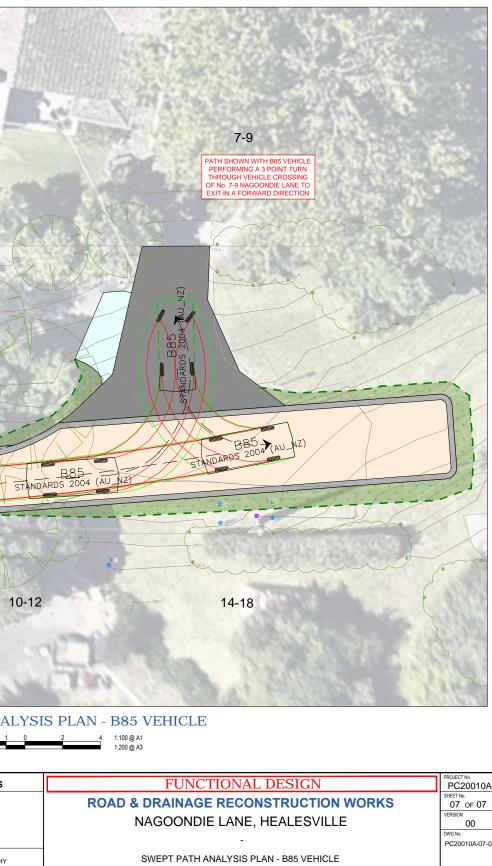
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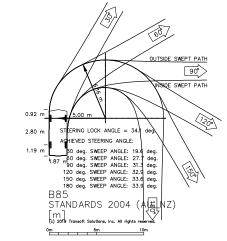
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