

GENERAL

- 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'.
- DISCREPANCIES BETWEEN PLANS AND EXISTING CONDITIONS ARE TO BE REPORTED IMMEDIATELY TO THE COUNCIL'S SUPERVISING ENGINEER.
- 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.
- ON COMPLETION OF CONSTRUCTION ALL WORK AREA ARE TO BE CLEANED UP & REINSTATED TO THE SATISFACTION OF THE COUNCIL'S SUPERVISING ENGINEER.

PAVEMENT

- ROAD CROSSFALL TO BE 1 in 36 FALLING TOWARDS THE TABLE DRAIN OR KERB AND CHANNEL UNLESS SPECIFIED OTHERWISE.
- AT NEW FILL AREAS THE TOPSOIL SHALL BE STRIPPED AND FILLING MATERIAL PLACED IN 150mm THICK LAYER AND COMPACTED TO 95% A.A.S.H.O. COMPACTION TEST, THE TOPSOIL IS THEN RE-SPREAD ON THE BATTER AREAS.
- 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

- 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.
- 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:
  - 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.
  - CONCRETE DRIVEWAYS WITH 150mm DEPTH CONCRETE PAVING ON A BASE OF 50mm COMPACTED DEPTH CLASS 2 FINE CRUSHED ROCK.
  - 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.

01	FUNCTIONAL DESIGN - FOR REVIEW	24-11-2021
00	FUNCTIONAL DESIGN - FOR REVIEW	29-04-2021
VER	DESCRIPTION	DATE

# ROAD & DRAINAGE RECONSTRUCTION WORKS

## CROSLEY STREET, HEALESVILLE



**WARNING**  
BEWARE OF UNDERGROUND SERVICES.  
THE 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	LOCALITY PLAN, GENERAL NOTES, DETAILS & DRAWING INDEX
2	OVERALL PLAN
3	SECTIONS A-A, B-B & C-C
4	GENERAL LAYOUT PLAN
5	DRAINAGE OUTFALL CONCEPTS PLAN
6	SWEPT PATH ANALYSIS PLAN - YRSC WASTE VEHICLE

DRAINAGE

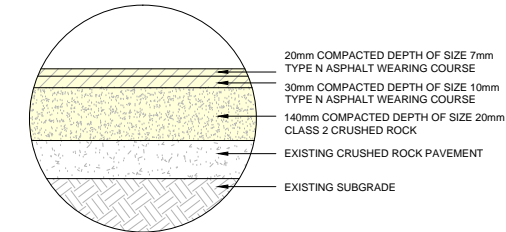
- ALL DRAINAGE PIPES TO BE CLASS 2 RUBBER RING JOINTED SPIGOT AND SOCKET UNLESS SPECIFIED OTHERWISE.
- ALL PROPERTY STORM WATER OUTLETS WITHIN 3.0m OF THE NEW DRAIN OR KERB ARE TO BE CONNECTED TO UNDERGROUND DRAINAGE PIPES WHERE AVAILABLE, OR BACK OF KERB WHERE UNDERGROUND DRAINAGE PIPES ARE NOT AVAILABLE.
- 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

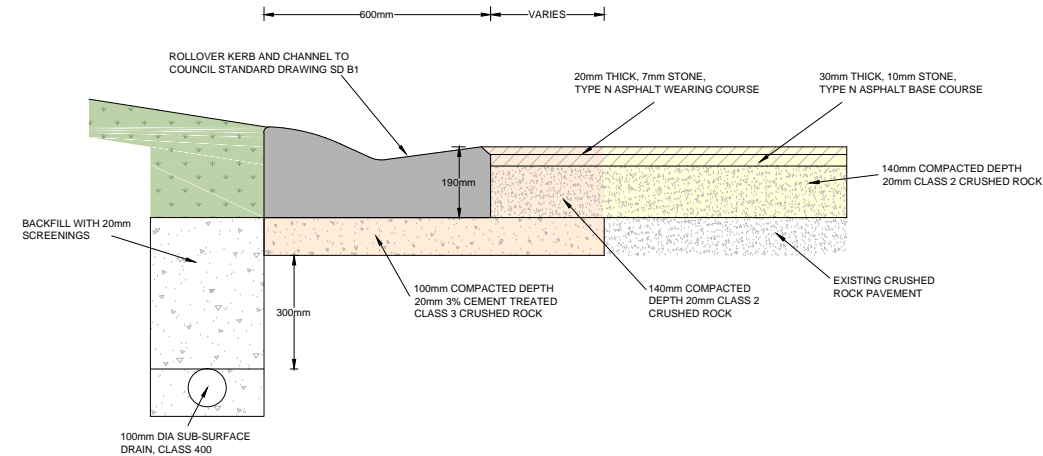
- TREE PROTECTION ZONES (TPZ) HAVE BEEN SHOWN FOR ALL TREES LOCATED CLOSE TO THE WORKS AREA. WORKS AND ANY STOCKPILES OF CONSTRUCTION EQUIPMENT AND MATERIAL ARE TO BE CONTAINED OUTSIDE THE TPZ UNLESS SPECIFICALLY APPROVED BY THIS PLAN. PRIOR APPROVAL MUST BE SOUGHT FOR ANY WORKS NOT SPECIFIED AND APPROVED BY THIS PLAN THAT ARE TO BE CONDUCTED WITHIN THE TPZ OF ANY TREE.
- 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

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

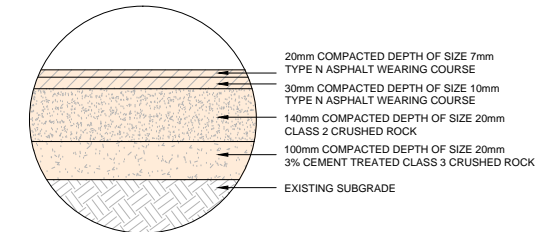


OVERLAY EXISTING PAVEMENT DETAIL  
NOT TO SCALE



ROLLOVER KERB AND CHANNEL DETAIL

GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL DRAWING SD / D5  
NOT TO SCALE



FULL DEPTH PAVEMENT DETAIL  
NOT TO SCALE

CONSULTANT ENGINEER



**PROCIVIL**  
CONSULTING ENGINEERING


*Specialist Civil Engineering Design Consultants*

Commitment | Communication | Collaboration

PROCIVIL CONSULTING PTY LTD  
ABN 51 759 386 082  
SUITE 9, 12 MAROONDHAW HWY, RINGWOOD VIC 3134  
PO BOX 164, RINGWOOD VIC 3134  
P: (03) 8644 6834  
E: info@procivil.com.au  
www.procivil.com.au

CIVIL ENGINEERING DESIGN LUKE WHITFIELD	TECHNICAL PEER REVIEW KURT CHAMBERLAIN
REGISTERED & CHARTERED PROFESSIONAL ENGINEER	
CHRIS PROCTOR	

ORIENTATION



OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE  
AS SHOWN @ A1

HEIGHT DATUM  
AHD

COORDINATE DATUM  
MGA 94 ZONE 55

SURVEY DATE  
22-09-2020

AERIAL IMAGE DATE  
30-11-2017

LOCAL GOVERNMENT AREA  
**SHIRE OF YARRA RANGES**

CLIENT



CLIENT PROJECT MANAGER / CONTACT  
PETROS INDOS | GRANT MCCARTHY

**FUNCTIONAL DESIGN**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
**CROSLEY STREET, HEALESVILLE**

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

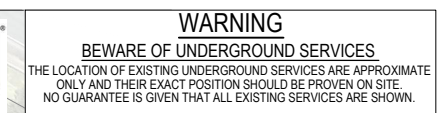
PROJECT No.  
PC20007C

SHEET No.  
01 OF 06

VERSION  
01

DWG No.  
PC20007C-01-01

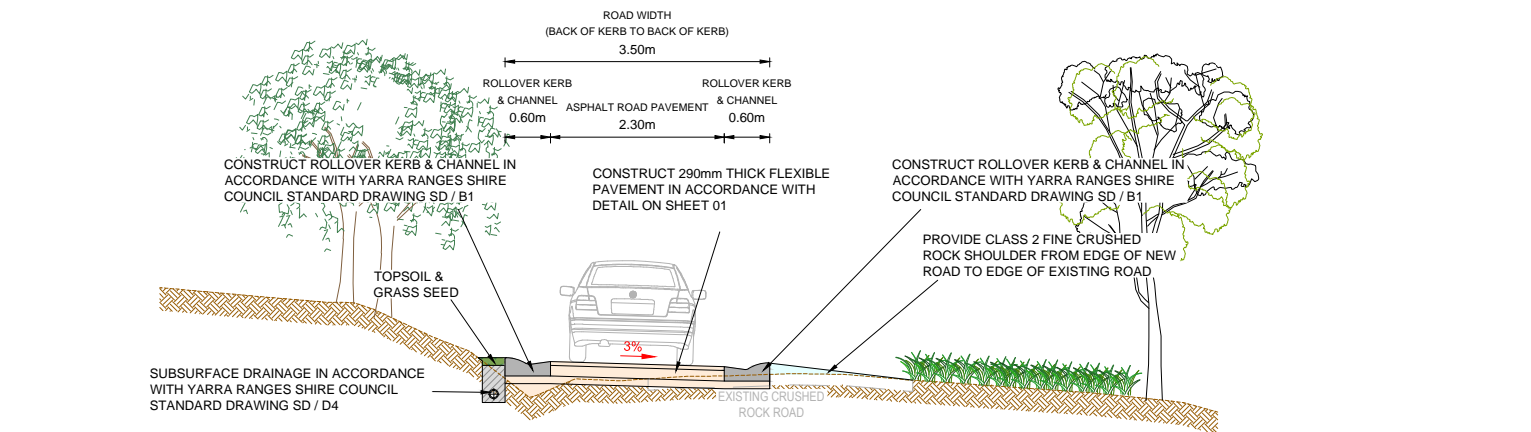


[illegible]

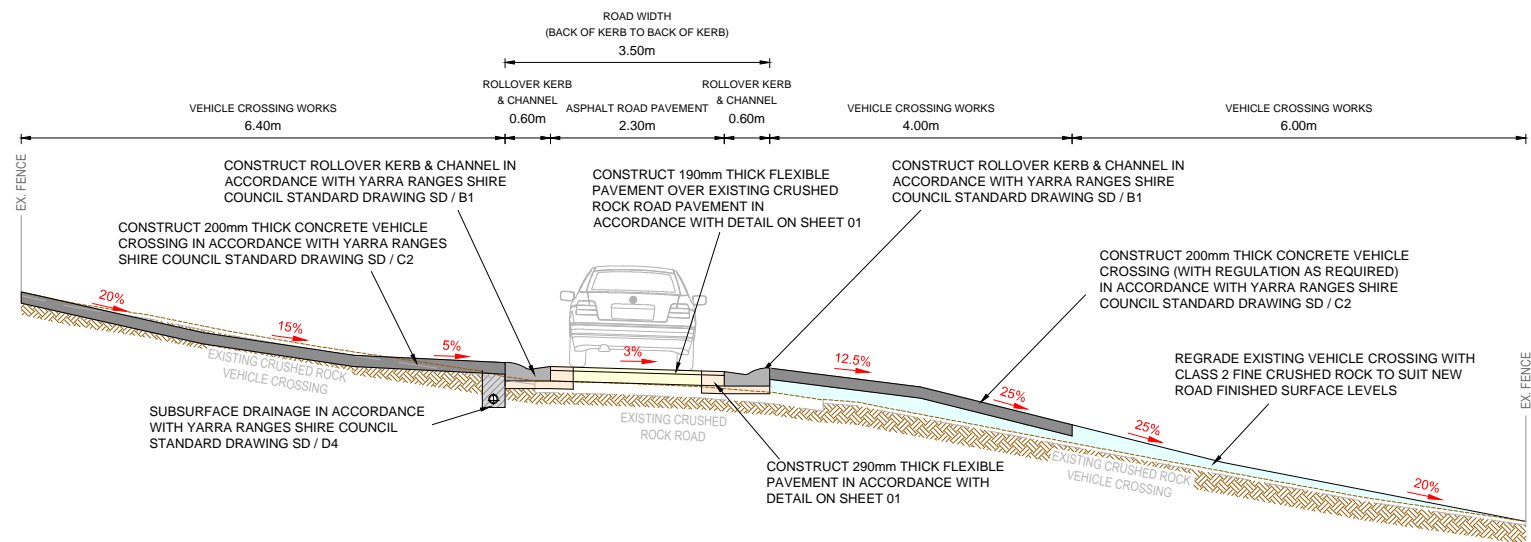




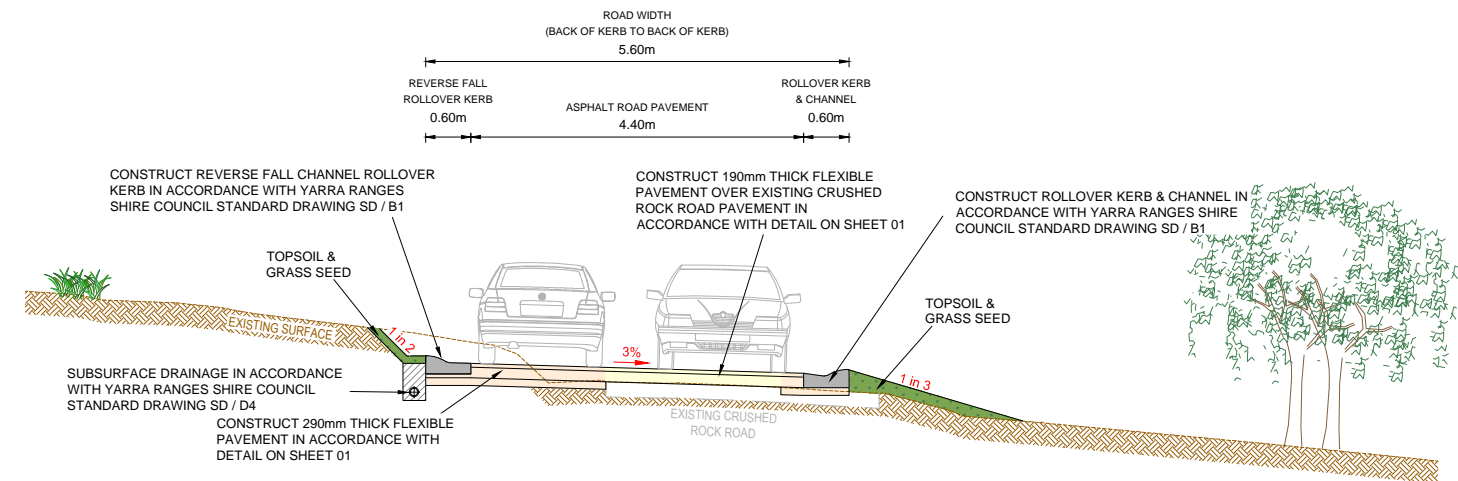
**WARNING**  
BEWARE OF UNDERGROUND SERVICES  
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



SECTION A-A



SECTION B-B



SECTION C-C



REV	DESCRIPTION	DATE
01	FUNCTIONAL DESIGN - FOR REVIEW	24-11-2021
00	FUNCTIONAL DESIGN - FOR REVIEW	29-04-2021

CONSULTANT ENGINEER

**PROCIVIL**  
CONSULTING ENGINEERING

*Specialist Civil Engineering Design Consultants*

Commitment | Communication | Collaboration

PROCIVIL CONSULTING PTY LTD  
ABN 51 759 386 092  
SUITE 9, 12 MAROONDHA HWY, RINGWOOD VIC 31134  
PO BOX 164, RINGWOOD VIC 31134  
P: (03) 8644 6834  
E: info@procivil.com.au  
www.procivil.com.au

CIVIL ENGINEERING DESIGN  
LUKE WHITFIELD

TECHNICAL PEER REVIEW  
KURT CHAMBERLAIN

REGISTERED & CHARTERED PROFESSIONAL ENGINEER  
CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE  
AS SHOWN @ A1

HEIGHT DATUM  
AHD

COORDINATE DATUM  
MGA 94 ZONE 55

SURVEY DATE  
22-09-2020

AERIAL IMAGE DATE  
30-11-2017

LOCAL GOVERNMENT AREA  
**SHIRE OF YARRA RANGES**

CLIENT

CLIENT PROJECT MANAGER / CONTACT  
PETROS INDOS | GRANT MCCARTHY

**FUNCTIONAL DESIGN**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

**CROSLEY STREET, HEALESVILLE**

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

PROJECT No.  
PC20007C

SHEET No.  
03 OF 06

VERSION  
01

DWG No.  
PC20007C-03-01



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

200mm MINIMUM THICKNESS CONCRETE VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C3

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

EXISTING DRAINAGE PIPE

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

SWALE INVERT

PAVEMENT LINE MARKING

NEW CONCRETE KERB AND CHANNEL IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / B1

NEW CONCRETE SLEEPER RETAINING WALL GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / F5
- EX W

EXISTING WATER

EX G

EXISTING GAS

EX S

EXISTING SEWER

EX T

EXISTING TELECOMMUNICATIONS

EX E

EXISTING UNDERGROUND ELECTRICITY

46

EXISTING CONTOUR MAJOR (1.0m)

46

EXISTING CONTOUR MINOR (0.2m)

46

FINISHED SURFACE CONTOUR MAJOR (1.0m)

46

FINISHED SURFACE CONTOUR MINOR (0.2m)

FILL BATTER EXTENT

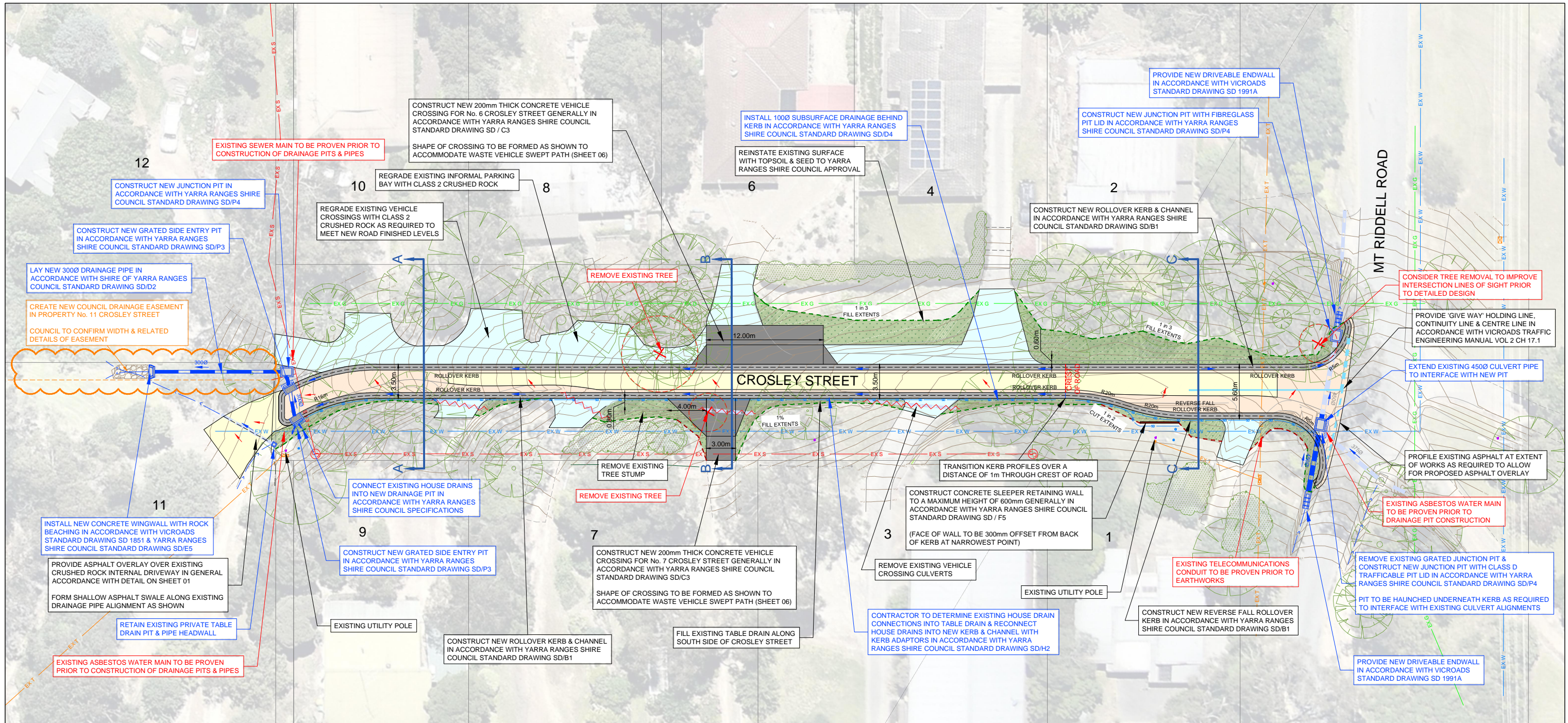
CUT BATTER EXTENT

REMOVE EXISTING DRAINAGE PIPE

TREE CONSIDERED FOR REMOVAL



**WARNING**  
BEWARE OF UNDERGROUND SERVICES.  
THE 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.



GENERAL LAYOUT PLAN



01	FUNCTIONAL DESIGN - FOR REVIEW	24-11-2021
00	FUNCTIONAL DESIGN - FOR REVIEW	29-04-2021
VER	DESCRIPTION	DATE

CONSULTANT ENGINEER

**PROCIVIL**  
CONSULTING ENGINEERING

Specialist Civil Engineering Design Consultants

Commitment | Communication | Collaboration

PROCIVIL CONSULTING PTY LTD

ABN 51 759 386 092

SUITE 9, 12 MAROONDHAW HWY, RINGWOOD VIC 31134

PO BOX 164, RINGWOOD VIC 31134

P: (03) 8644 6834

E: info@procivil.com.au

www.procivil.com.au

CIVIL ENGINEERING DESIGN

LUKE WHITFIELD

TECHNICAL PEER REVIEW

KURT CHAMBERLAIN

REGISTERED & CHARTERED PROFESSIONAL ENGINEER

CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE

AS SHOWN @ A1

HEIGHT DATUM

AHD

COORDINATE DATUM

MGA 94 ZONE 55

SURVEY DATE

22-09-2020

AERIAL IMAGE DATE

30-11-2017

LOCAL GOVERNMENT AREA

SHIRE OF YARRA RANGES

CLIENT

CLIENT PROJECT MANAGER / CONTACT

PETROS INDOS | GRANT MCCARTHY

FUNCTIONAL DESIGN

ROAD & DRAINAGE RECONSTRUCTION WORKS

CROSLY STREET, HEALESVILLE

GENERAL LAYOUT PLAN

PROJECT No.

PC20007C

SHEET No.

04 OF 06

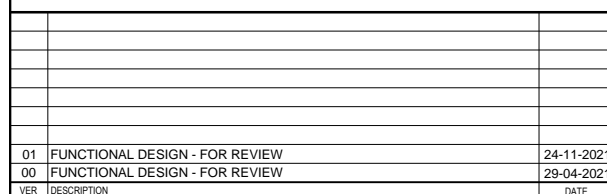
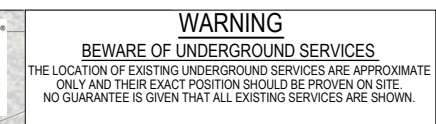
VERSION

01

DWG No.

PC20007C-04-01





CONSULTANT ENGINEER

**PRO**CIVIL  
CONSULTING ENGINEERING


*Specialist Civil Engineering Design Consultants*

Commitment | Communication | Collaboration

**PROCIVIL CONSULTING PTY LTD**  
 ABN 51 759 386 092  
 SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 3134  
 PO BOX 164, RINGWOOD VIC 3134  
 P: (03) 8644 6834  
 E: [info@procivil.com.au](mailto:info@procivil.com.au)  
[www.procivil.com.au](http://www.procivil.com.au)

CIVIL ENGINEERING DESIGN <b>LUKE WHITFIELD</b>	TECHNICAL PEER REVIEW <b>KURT CHAMBERLAIN</b>
REGISTERED & CHARTERED PROFESSIONAL ENGINEER <b>CHRIS PROCTOR</b>	

ORIENTATION



OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE
AS SHOWN @ A1
HEIGHT DATUM
AHD
COORDINATE DATUM
MGDA 94 ZONE 55
SURVEY DATE
22-09-2020
AERIAL IMAGE DATE
30-11-2017

LOCAL GOVERNMENT AREA	<b>SHIRE OF YARRA RANGES</b>
CLIENT	
CLIENT PROJECT MANAGER / CONTACT	<b>PETROS INDOS   GRANT MCCARTHY</b>

# FUNCTIONAL DESIGN

## ROAD & DRAINAGE RECONSTRUCTION WORKS

### CROSLEY STREET, HEALESVILLE

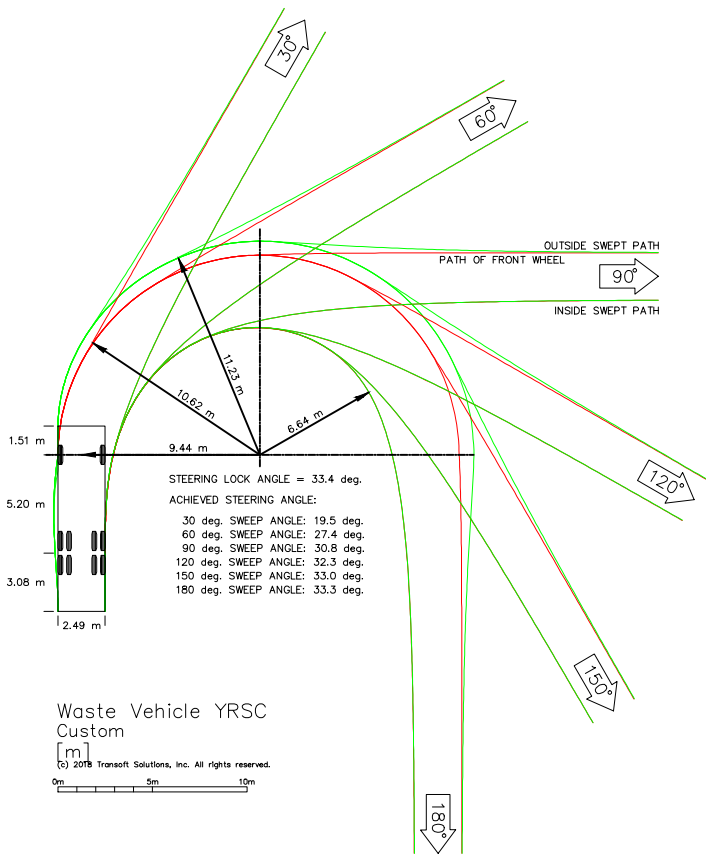
#### DRAINAGE OUTFALL CONCEPT OPTIONS PLAN

PROJECT No.	PC20007C
SHEET No.	05 OF 06
VERSION	01
DWG No.	PC20007C-05-01

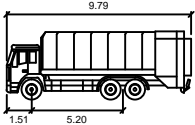




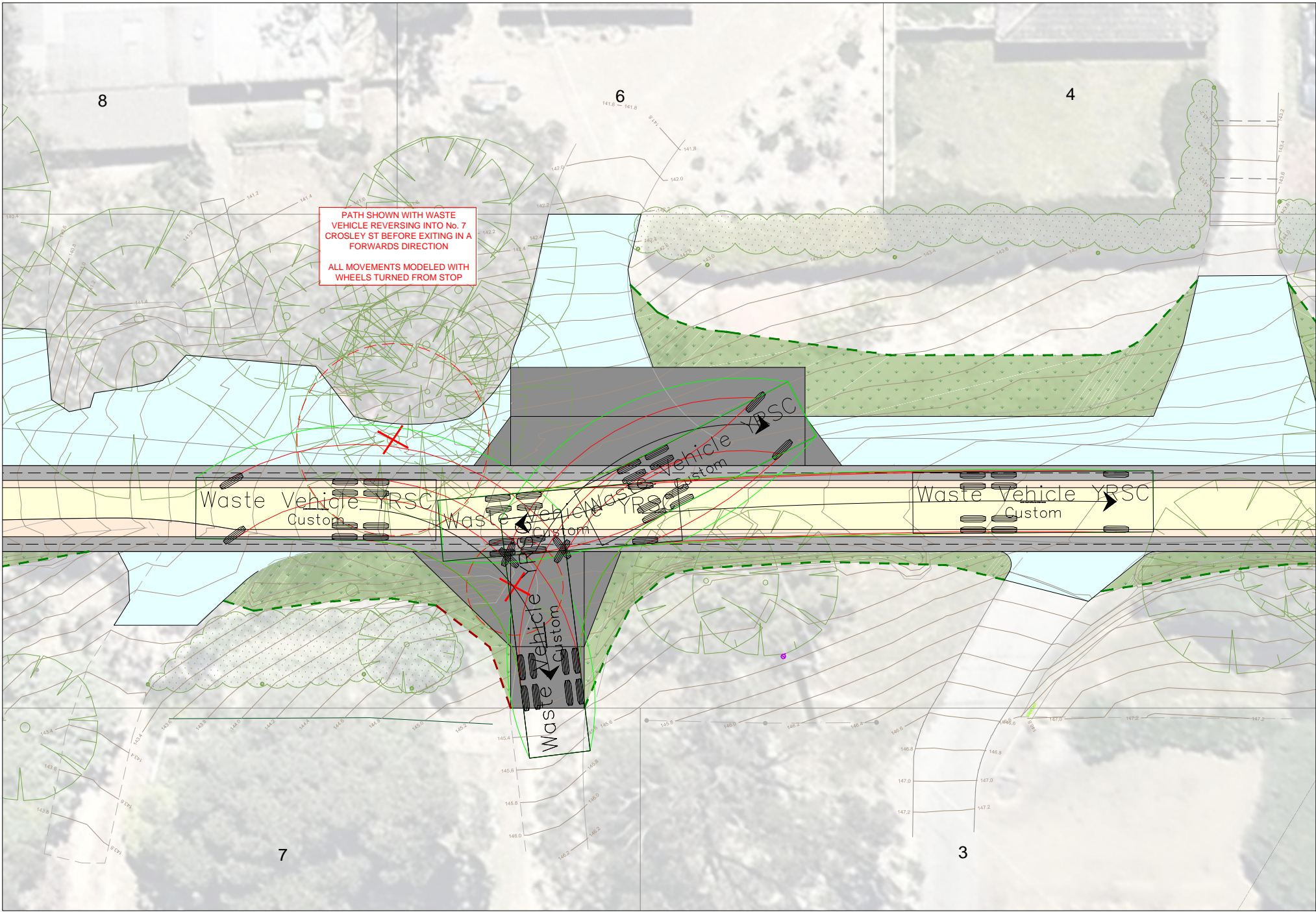
**WARNING**  
BEWARE OF UNDERGROUND SERVICES.  
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE  
ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO  
GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



Waste Vehicle YRSC  
Custom  
© 2018 Transoft Solutions, Inc. All rights reserved.



Waste Vehicle YRSC  
meters  
Width : 2.49  
Track : 2.50  
Lock to Lock Time : 6.0  
Steering Angle : 33.4



SWEPT PATH ANALYSIS PLAN - YRSC WASTE VEHICLE



REV	DESCRIPTION	DATE
01	FUNCTIONAL DESIGN - FOR REVIEW	24-11-2021
00	FUNCTIONAL DESIGN - FOR REVIEW	29-04-2021

CONSULTANT ENGINEER

**PROCIVIL**  
CONSULTING ENGINEERING

Specialist Civil Engineering Design Consultants

Commitment | Communication | Collaboration

PROCIVIL CONSULTING PTY LTD  
ABN 51 759 386 082  
SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 3134  
PO BOX 164, RINGWOOD VIC 3134  
P: (03) 8644 6834  
E: info@procivil.com.au  
www.procivil.com.au

CIVIL ENGINEERING DESIGN LUKE WHITFIELD	TECHNICAL PEER REVIEW KURT CHAMBERLAIN
REGISTERED & CHARTERED PROFESSIONAL ENGINEER	
CHRIS PROCTOR	

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE  
AS SHOWN @ A1

HEIGHT DATUM  
AHD

COORDINATE DATUM  
MGA 94 ZONE 55

SURVEY DATE  
22-09-2020

AERIAL IMAGE DATE  
30-11-2017

LOCAL GOVERNMENT AREA  
**SHIRE OF YARRA RANGES**

CLIENT

CLIENT PROJECT MANAGER / CONTACT  
PETROS INDOS | GRANT MCCARTHY

**FUNCTIONAL DESIGN**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

**CROXLEY STREET, HEALESVILLE**

SWEPT PATH ANALYSIS PLAN - YRSC WASTE VEHICLE

PROJECT No.  
PC20007C

SHEET No.  
06 OF 06

VERSION  
01

DWG No.  
PC20007C-06-01