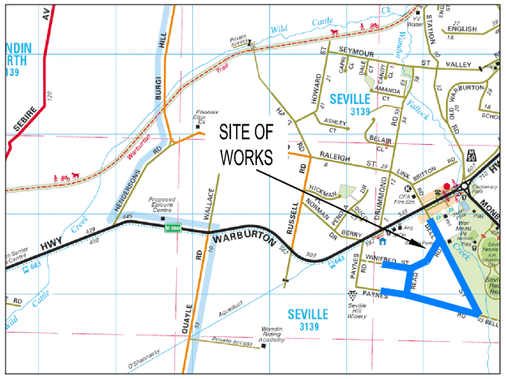
ROAD AND DRAINAGE RECONSTRUCTION WORKS

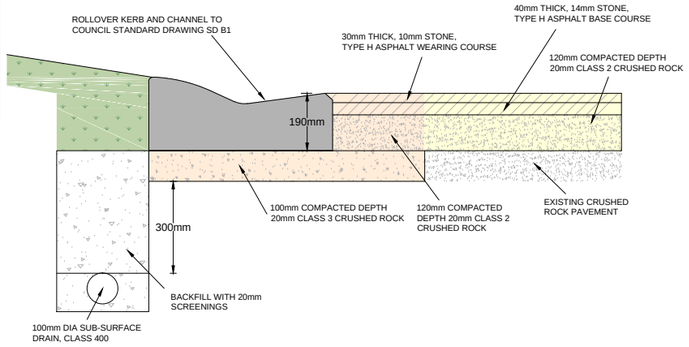
BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

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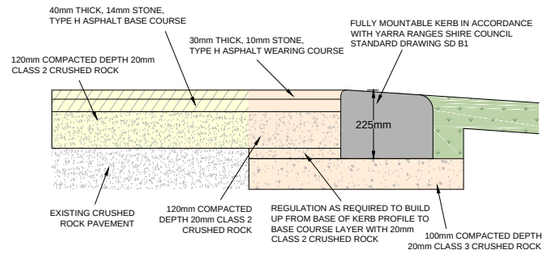
WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



LOCALITY MAP
NOT TO SCALE
MELWAYS REF: 119 K11



ROLLOVER KERB AND CHANNEL DETAIL
GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL DRAWING SD / D5
NOT TO SCALE



FULLY MOUNTABLE KERB DETAIL
GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL DRAWING SD / D5
NOT TO SCALE

NOTES

GENERAL

1. 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".
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.
4. "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

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 TO 95% 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.
9. 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.
    - 11.b. 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.
12. 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

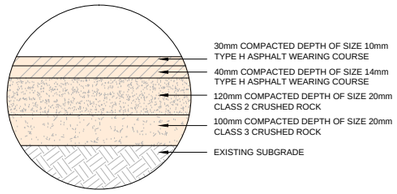
13. ALL DRAINAGE PIPES TO BE CLASS 2 RUBBER RING JOINTED SPIGOT AND SOCKET UNLESS SPECIFIED OTHERWISE.
14. ALL PROPERTY STORM WATER OUTLETS WITHIN 3.0m OF THE NEW DRAIN OR KERB ARE TO BE CONNECTED TO UNDERGROUND DRAINAGE PIPES WHERE AVAILABLE, OR BACK OF KERB WHERE UNDERGROUND DRAINAGE PIPES ARE NOT AVAILABLE.
15. DRAINAGE PITS GREATER THAN 1.0m IN DEPTH TO BE PROVIDED WITH STEP IRONS AT 300mm CENTRES VERTICALLY.
16. 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

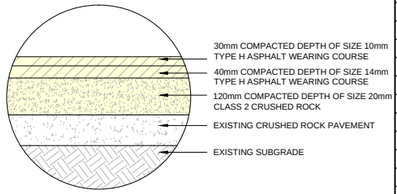
17. TREE PROTECTION ZONES (TPZ) HAVE BEEN SHOWN FOR ALL TREES LOCATED CLOSE TO THE WORKS AREA. WORKS AND ANY STOCKPILES OF CONSTRUCTION EQUIPMENT AND MATERIAL ARE TO BE CONTAINED OUTSIDE THE TPZ UNLESS SPECIFICALLY APPROVED BY THIS PLAN. PRIOR APPROVAL MUST BE SOUGHT FOR ANY WORKS NOT SPECIFIED AND APPROVED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

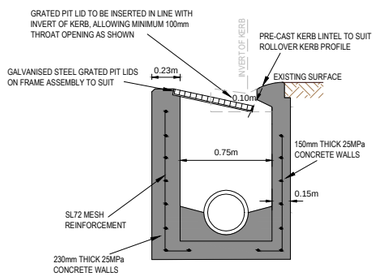
19. ALL EXISTING SIGNS AND POSTS REMAIN THE PROPERTY OF THE COUNCIL.

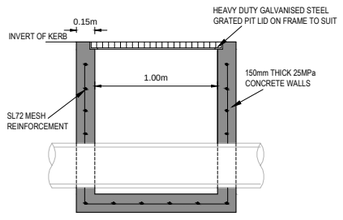


FULL DEPTH PAVEMENT DETAIL
NOT TO SCALE



OVERLAY EXISTING PAVEMENT DETAIL
NOT TO SCALE





MODIFIED GRATED SIDE ENTRY PIT - ROLLOVER KERB & CHANNEL DETAIL
ADAPTED FROM YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / P3 - DATED 01/2007
TO BE CONFIRMED BY YARRA RANGES SHIRE COUNCIL

DRAWING INDEX

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4	SECTIONS E-E, F-F, G-G, H-H & I-I
5	SECTIONS J-J, K-K & L-L
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15 to 23	SURVEY SETOUT PLAN
24	SURVEY SETOUT DETAILS
25	SURVEY SETOUT DETAILS
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27	LONGITUDINAL SECTION - LIP OF KERB 'A'
28	LONGITUDINAL SECTION - LIP OF KERB 'B'
29	LONGITUDINAL SECTION - LIP OF KERB 'B'
30	LONGITUDINAL SECTION - LIP OF KERB 'C'
31	LONGITUDINAL SECTION - LIP OF KERB 'C'
32	LONGITUDINAL SECTION - LIP OF KERB 'D' & 'E'
33	LONGITUDINAL SECTION - LIP OF KERB 'F' & 'G'
34	LONGITUDINAL SECTION - LIP OF KERB 'G'
35	LONGITUDINAL SECTION - LIP OF KERB 'H'
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38	LONGITUDINAL SECTION - BELL STREET - CENTRELINE 'K'
39	LONGITUDINAL SECTION - READ ROAD - CENTRELINE 'L'
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43	CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 62.850 K - CH 110.000 K
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46	CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 200.000 K - CH 230.000 K
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49	CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 320.785 K - CH 363.527 K
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52	CROSS-SECTIONS - PAYNES ROAD - LIP OF KERB 'D' - CH 50.000 D - CH 120.000 D
53	CROSS-SECTIONS - PAYNES ROAD - LIP OF KERB 'D' - CH 121.000 D - CH 122.793 D
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56	CROSS-SECTIONS - READ ROAD - CENTRELINE 'L' - CH 121.617 L - CH 180.000 L
57	CROSS-SECTIONS - READ ROAD - CENTRELINE 'L' - CH 184.000 L - CH 240.000 L
58	CROSS-SECTIONS - READ ROAD - CENTRELINE 'L' - CH 250.000 L - CH 293.841 L
59	CROSS-SECTIONS - READ ROAD - CENTRELINE 'L' - CH 300.000 L - CH 338.931 L
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68	DRAINAGE LONGITUDINAL SECTION
69	DRAINAGE LONGITUDINAL SECTION
70	DRAINAGE LONGITUDINAL SECTION
71	DRAINAGE PIT SCHEDULE
72	DRAINAGE PIT SCHEDULE

VER	DESCRIPTION	DATE
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www.procivil.com.au

CIVIL ENGINEERING DESIGN	TECHNICAL PEER REVIEW
KURT CHAMBERLAIN	CHRIS PROCTOR

REGISTERED & CHARTERED PROFESSIONAL ENGINEER
CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE	AS SHOWN @ A1
HEIGHT DATUM	AHD
COORDINATE DATUM	MGA 2020 ZONE 55
SURVEY DATE	24-02-2021
AERIAL IMAGE DATE	12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS
BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE
TITLE SHEET - LOCALITY PLAN, GENERAL NOTES, DRAWING INDEX & PAVEMENT DETAILS

PROJECT No.	PC20005
SHEET No.	01 OF 72
VERSION	09
DWG No.	PC20005 - 01 - 09

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WARNING

BEWARE OF UNDERGROUND SERVICES

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SEVILLE RECREATION RESERVE

SHEET 06 & 15

SHEET 07 & 16

SHEET 08 & 17

SHEET 09 & 18

SHEET 10 & 19

SHEET 11 & 20

SHEET 12 & 21

SHEET 13 & 22

SHEET 14 & 23

TBM
RIVET IN CONCRETE
E: 364262.92
N: 5817666.43
R.L: 134.72

TBM
RIVET IN CONCRETE
E: 364411.59
N: 5817362.98
R.L: 136.29

TBM
RIVET IN CONCRETE
E: 364492.60
N: 5817220.43
R.L: 139.59

TBM
NAIL IN BITUMEN
E: 364269.35
N: 5817415.80
R.L: 143.61

TBM
NAIL IN BITUMEN
E: 364174.97
N: 5817284.92
R.L: 158.33

TBM
NAIL IN BITUMEN
E: 364154.11
N: 5817366.34
R.L: 149.46

TBM
NAIL IN BITUMEN
E: 364174.97
N: 5817284.92
R.L: 149.04

TBM
RIVET IN CONCRETE
E: 364382.59
N: 5817204.49
R.L: 152.83

TBM
STAR PICKET
E: 364296.89
N: 5817215.16
R.L: 155.08

LINK ROAD

WARBURTON HIGHWAY

DRUMMOND ROAD

ALDI - No.634-638
(WARBURTON HIGHWAY)

BELL STREET

READ ROAD

WINIFRED STREET

PAYNES ROAD

No.620 (WARBURTON HIGHWAY)

No.582A (WARBURTON HIGHWAY)

No.4, No.6, No.1/8, No.10 (BELL STREET), No.12 (BELL STREET), No.18, No.20, No.22, No.24, No.28, No.1/30, No.32, No.36, No.45 (PAYNES ROAD)

No.2/8, No.3/8, No.2/13-15, No.3/13-15, No.4/13-15, No.17, No.14, No.15, No.20, No.13, No.10, No.9, No.8, No.7, No.6, No.26A, No.26B, No.2/30, No.3/30, No.34, No.40 (BELL STREET), No.19 (PAYNES ROAD), No.18 (PAYNES ROAD), No.17 (PAYNES ROAD)

No.1/7 (READ ROAD), No.1/7 (READ ROAD), No. 1/7 (READ ROAD)

No.15 (WINIFRED STREET), No.13 (WINIFRED STREET), No.11 (WINIFRED STREET), No.22 (WINIFRED STREET), No.20, No.18, No.16, No.14, No.12, No.10, No.8, No.6, No.5, No.4, No.3, No.1

No.15 (PAYNES ROAD), No.2 (READ ROAD), No.12 (PAYNES ROAD), No.1 (READ ROAD)

OVERALL PLAN

20 10 0 20 40

1:1,000 @ A1
1:2,000 @ A3

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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

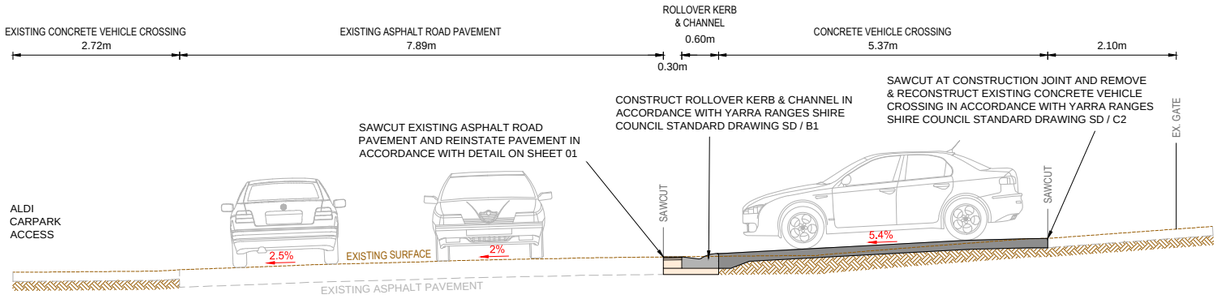
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

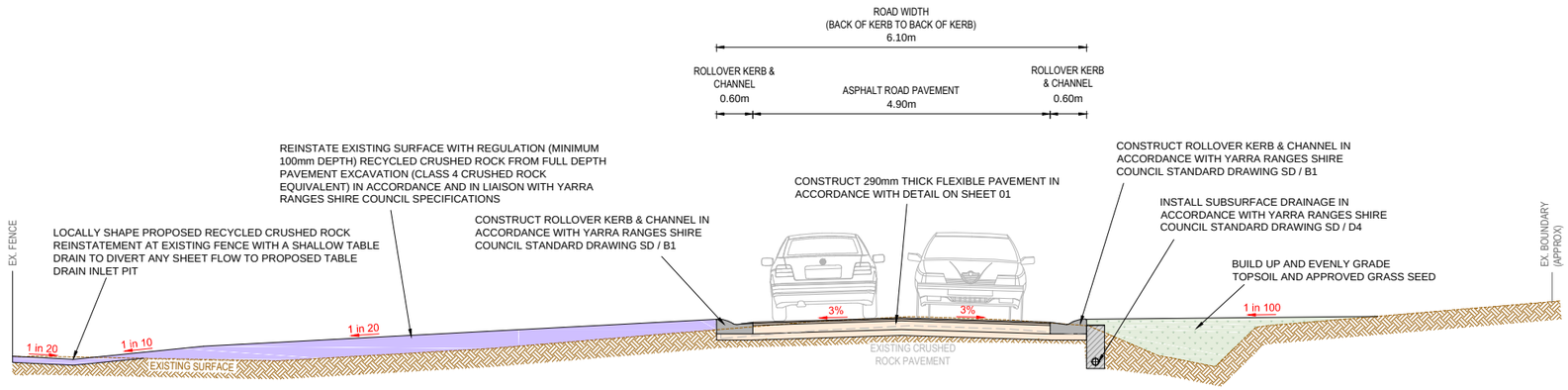
OVERALL PLAN

PROJECT No. PC20005
SHEET No. 02 OF 72
VERSION 09
DWG No. PC20005 - 02 - 09



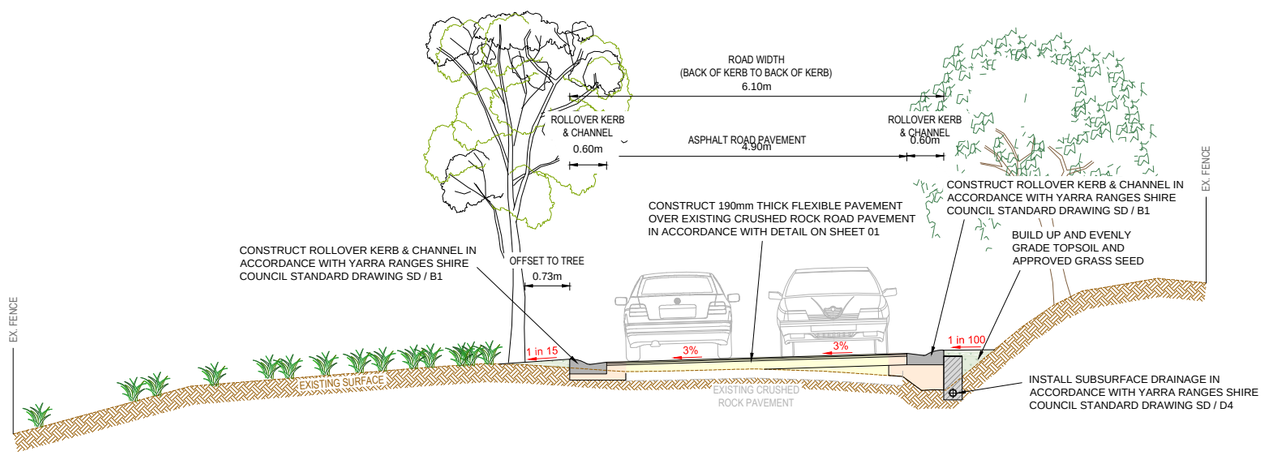
SECTION A-A

1 0.5 0 1 2 — 1:50 @ A1, 1:100 @ A3



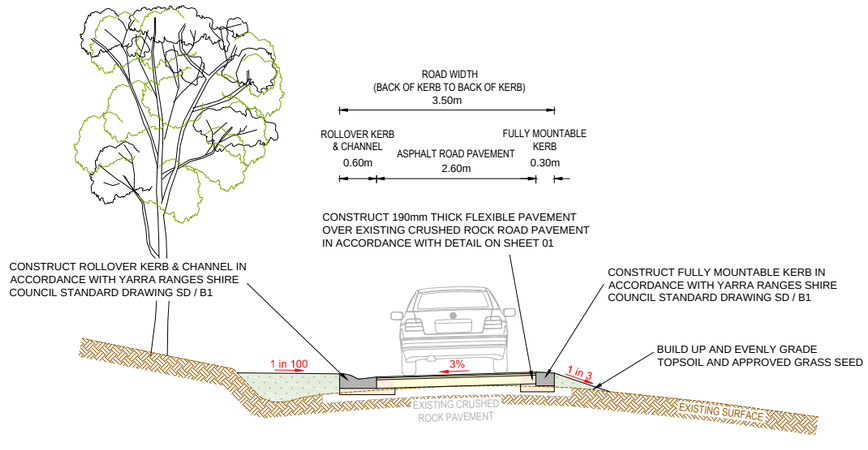
SECTION B-B

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SECTION C-C

1 0.5 0 1 2 — 1:50 @ A1, 1:100 @ A3



SECTION D-D

1 0.5 0 1 2 — 1:50 @ A1, 1:100 @ A3

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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**
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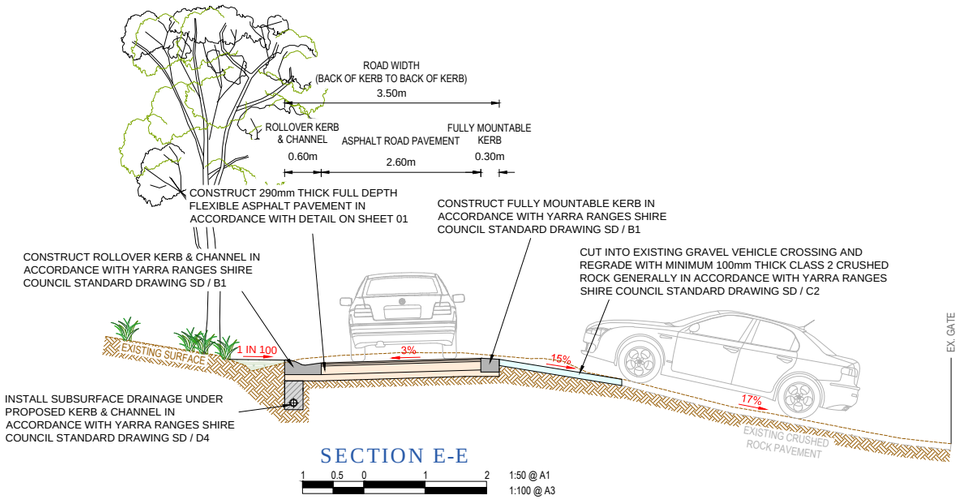
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

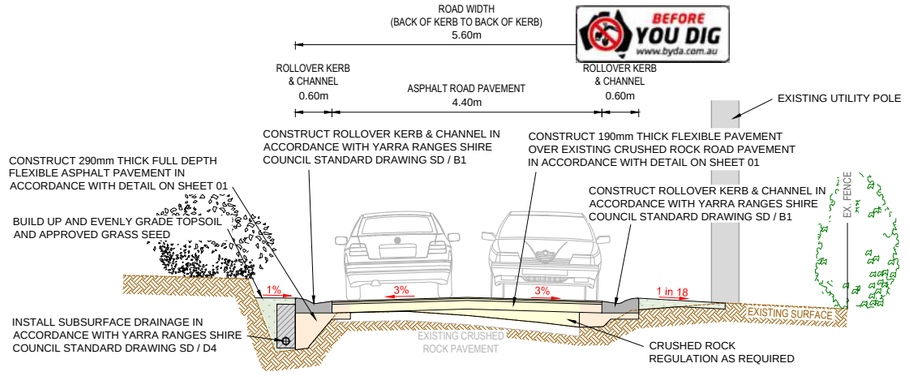
SECTIONS A-A, B-B, C-C & D-D

PROJECT No. PC20005
SHEET No. 03 OF 72
VERSION 09
DWG No. PC20005 - 03 - 09



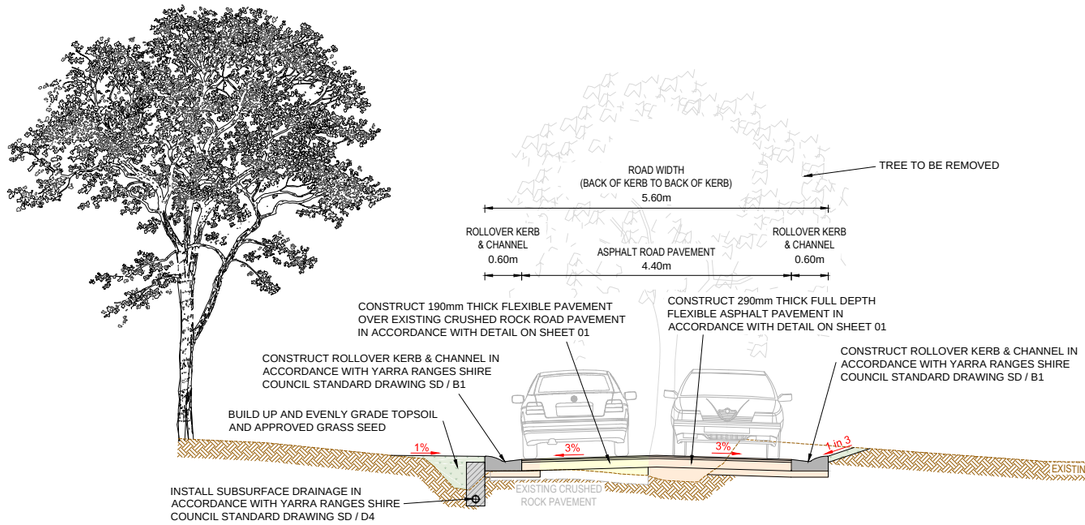
SECTION E-E

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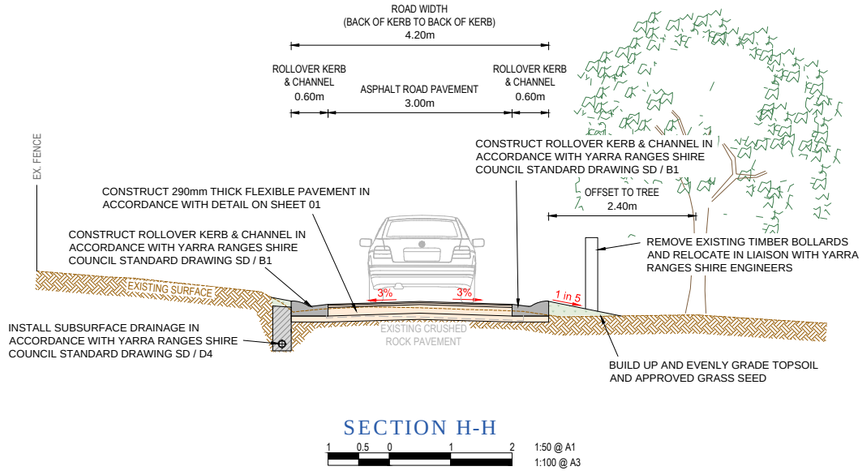
SECTION F-F

1 0.5 0 1 2 1:50 @ A1 1:100 @ A3



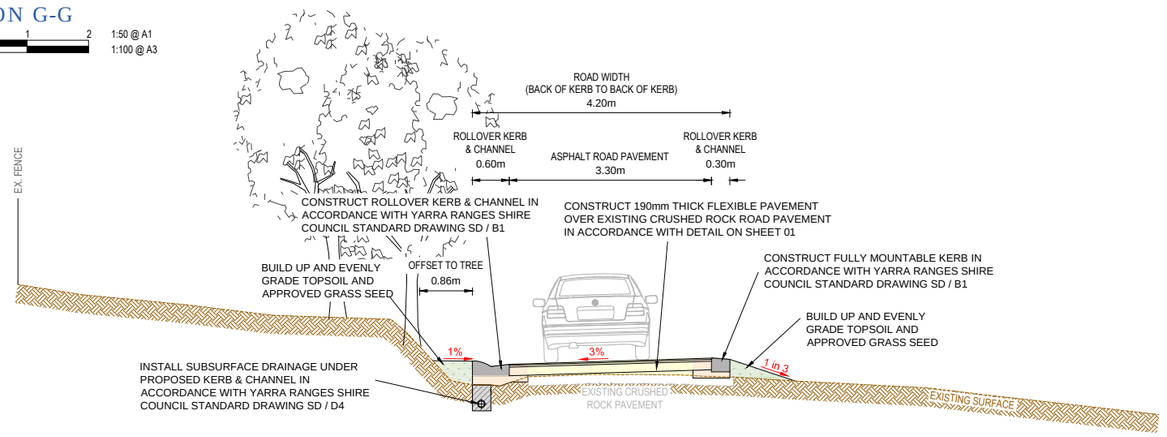
SECTION G-G

1 0.5 0 1 2 1:50 @ A1 1:100 @ A3



SECTION H-H

1 0.5 0 1 2 1:50 @ A1 1:100 @ A3



SECTION I-I

1 0.5 0 1 2 1:50 @ A1 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
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03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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CIVIL ENGINEERING DESIGN	TECHNICAL PEER REVIEW
KURT CHAMBERLAIN	CHRIS PROCTOR

REGISTERED & CHARTERED PROFESSIONAL ENGINEER
CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE	AS SHOWN @ A1
HEIGHT DATUM	AHD
COORDINATE DATUM	MGA 2020 ZONE 55
SURVEY DATE	24-02-2021
AERIAL IMAGE DATE	12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**

CLIENT: Yarra Ranges Council

CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

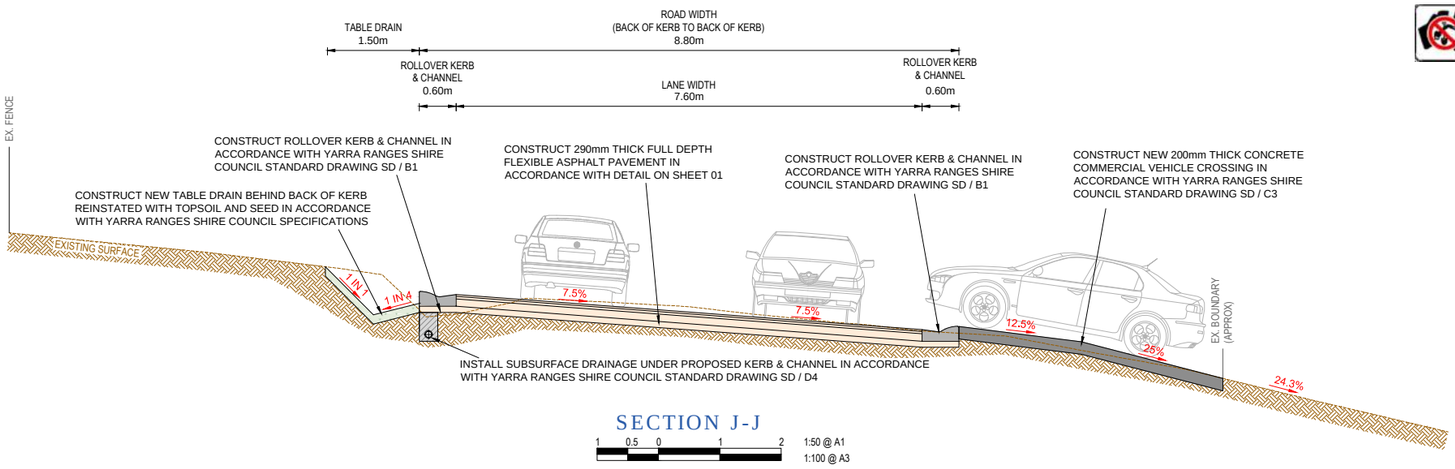
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

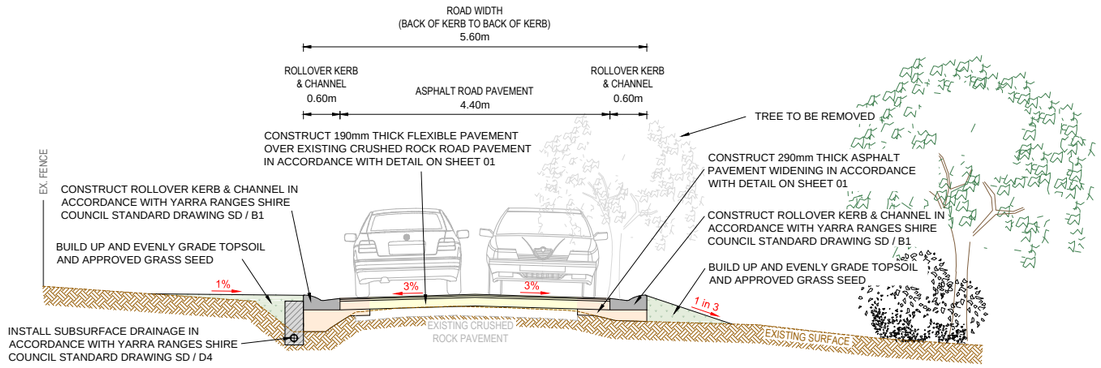
SECTIONS E-E, F-F, G-G, H-H & I-I

PROJECT No.	PC20005
SHEET No.	04 OF 72
VERSION	09
DWG No.	PC20005 - 04 - 09



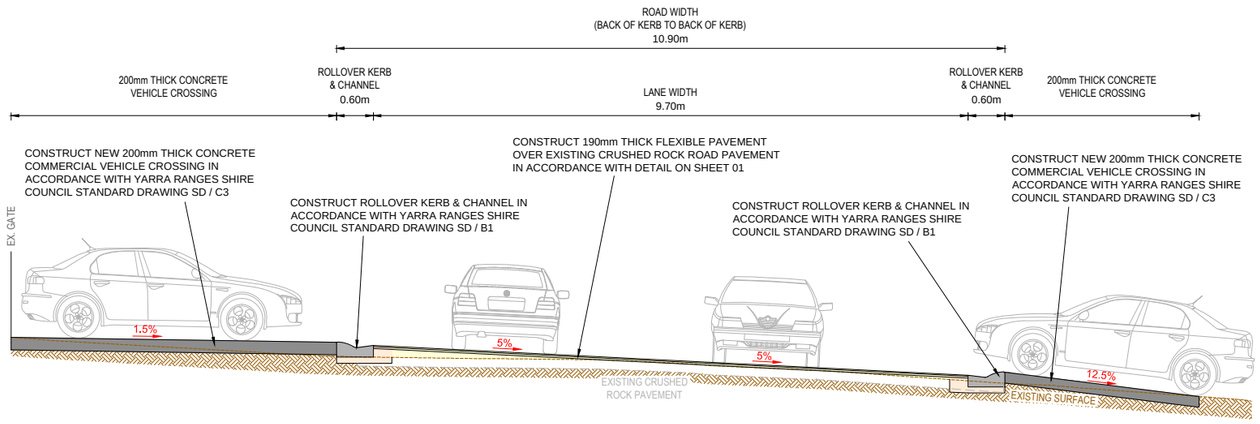
SECTION J-J

1 0.5 0 1 2 — 1:50 @ A1, 1:100 @ A3



SECTION K-K

1 0.5 0 1 2 — 1:50 @ A1, 1:100 @ A3



SECTION L-L

1 0.5 0 1 2 — 1:50 @ A1, 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

SECTIONS J-J, K-K & L-L

PROJECT No. PC20005
SHEET No. 05 OF 72
VERSION 09
DWG No. PC20005 - 05 - 09

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
- CONCRETE VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2 AND SD / C3
- 100mm MINIMUM THICKNESS CLASS 2 CRUSHED ROCK VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2
- 50mm THICK ASPHALT VEHICLE CROSSING IN GENERAL 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
- 100mm MINIMUM THICKNESS RECYCLED ROAD PAVEMENT (CLASS 4 EQUIVALENT) CRUSHED ROCK PARKING AREA IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL SPECIFICATIONS

- EX W (B) — EXISTING WATER WITH QUALITY LEVEL
- EX G (B) — EXISTING GAS WITH QUALITY LEVEL
- EX S (B) — EXISTING SEWER
- EX T (B) — EXISTING TELECOMMUNICATIONS
- EX E (B) — EXISTING UNDERGROUND ELECTRICITY
- EXISTING CONTOUR MAJOR (1.0m)
- EXISTING CONTOUR MINOR (0.2m)
- FINISHED SURFACE CONTOUR MAJOR (1.0m)
- FINISHED SURFACE CONTOUR MINOR (0.2m)
- FILL BATTER EXTENT
- CUT BATTER EXTENT
- REMOVE & DISPOSE OF EXISTING DRAINAGE PIPE
- TREE CONSIDERED FOR REMOVAL

DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE UNDERGROUND UTILITY SERVICE INVESTIGATION INFORMATION BY ACCESS UTILITY ENGINEERING (REF: 221005_0 - BELL ST, SEVILLE). QUALITY LEVELS OF QL-B (SUBSURFACE GEOPHYSICAL), QL-C (ABOVE GROUND), AND QL-D (BEFORE YOU DIG AUSTRALIA (BYDA)) HAVE BEEN LABELED ON THE GENERAL LAYOUT PLANS.

FURTHER INVESTIGATIONS AND PROVING OF ALL UNDERGROUND UTILITY ASSETS WILL BE REQUIRED PRIOR TO CONSTRUCTION COMMENCING

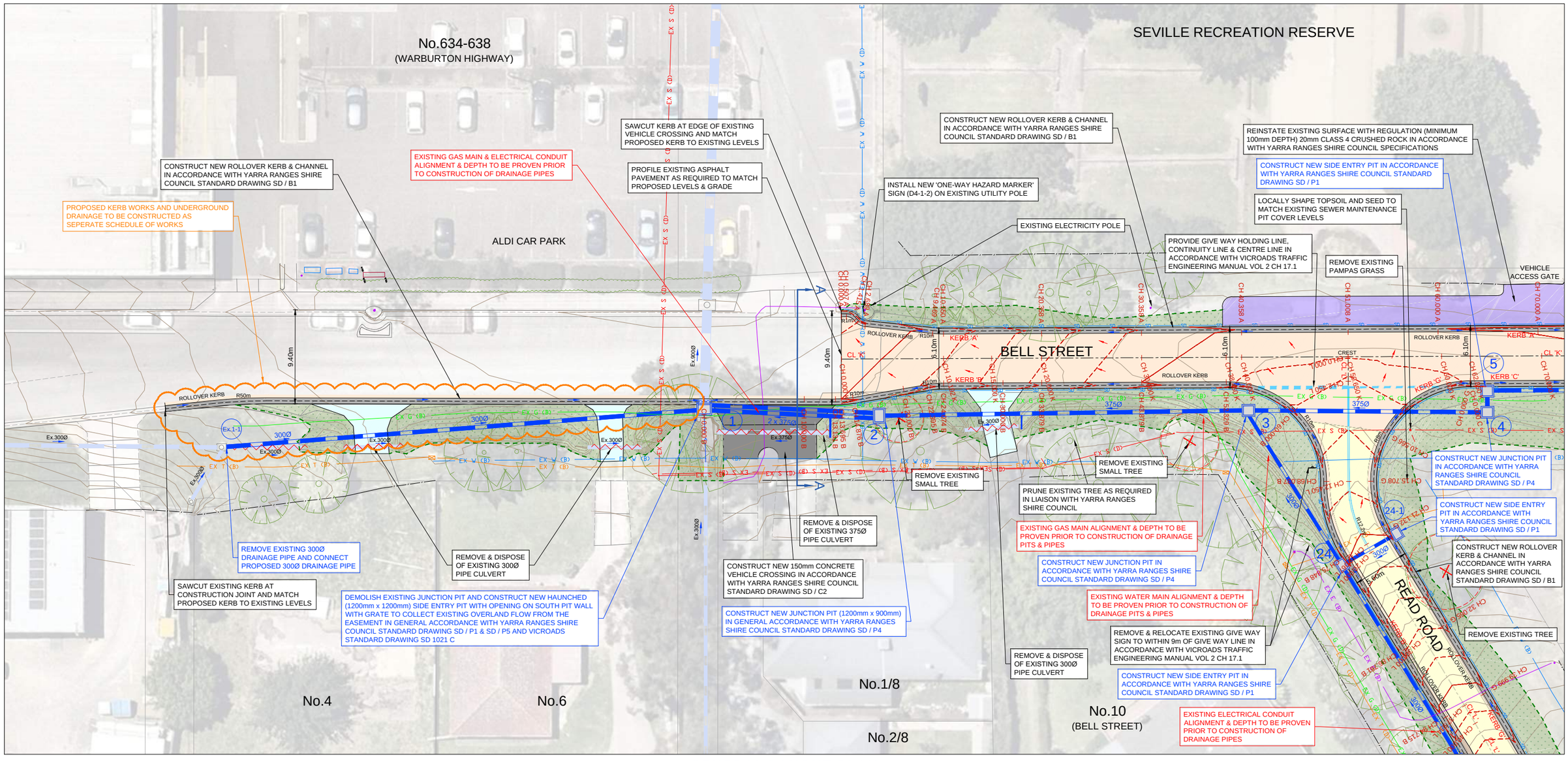
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SIGN LEGEND



'ONE-WAY HAZARD MARKER' SIGN D4-1-2



CONTINUED ON SHEET 07

CONTINUED ON SHEET 10

GENERAL LAYOUT PLAN

4 2 0 4 8 — 1:200 @ A1, 1:400 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
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REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE	AS SHOWN @ A1
HEIGHT DATUM	AHD
COORDINATE DATUM	MGA 2020 ZONE 55
SURVEY DATE	24-02-2021
AERIAL IMAGE DATE	12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

GENERAL LAYOUT PLAN

PROJECT No.	PC20005
SHEET No.	06 OF 72
VERSION	09
DWG No.	PC20005 - 06 - 09

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
- CONCRETE VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2 AND SD / C3
- 100mm MINIMUM THICKNESS CLASS 2 CRUSHED ROCK VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2
- 50mm THICK ASPHALT VEHICLE CROSSING IN GENERAL 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
- 100mm MINIMUM THICKNESS RECYCLED ROAD PAVEMENT (CLASS 4 EQUIVALENT) CRUSHED ROCK PARKING AREA IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL SPECIFICATIONS

- EX W (B) EXISTING WATER WITH QUALITY LEVEL
- EX G (B) EXISTING GAS WITH QUALITY LEVEL
- EX S (B) EXISTING SEWER
- EX T (B) EXISTING TELECOMMUNICATIONS
- EX E (B) EXISTING UNDERGROUND ELECTRICITY
- EXISTING CONTOUR MAJOR (1.0m)
- EXISTING CONTOUR MINOR (0.2m)
- FINISHED SURFACE CONTOUR MAJOR (1.0m)
- FINISHED SURFACE CONTOUR MINOR (0.2m)
- FILL BATTER EXTENT
- CUT BATTER EXTENT
- REMOVE & DISPOSE OF EXISTING DRAINAGE PIPE
- TREE CONSIDERED FOR REMOVAL

DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE UNDERGROUND UTILITY SERVICE INVESTIGATION INFORMATION BY ACCESS UTILITY ENGINEERING (REF: 221005_0 - BELL ST, SEVILLE). QUALITY LEVELS OF QL-B (SUBSURFACE GEOPHYSICAL), QL-C (ABOVE GROUND), AND QL-D (BEFORE YOU DIG AUSTRALIA (BYDA)) HAVE BEEN LABELED ON THE GENERAL LAYOUT PLANS.

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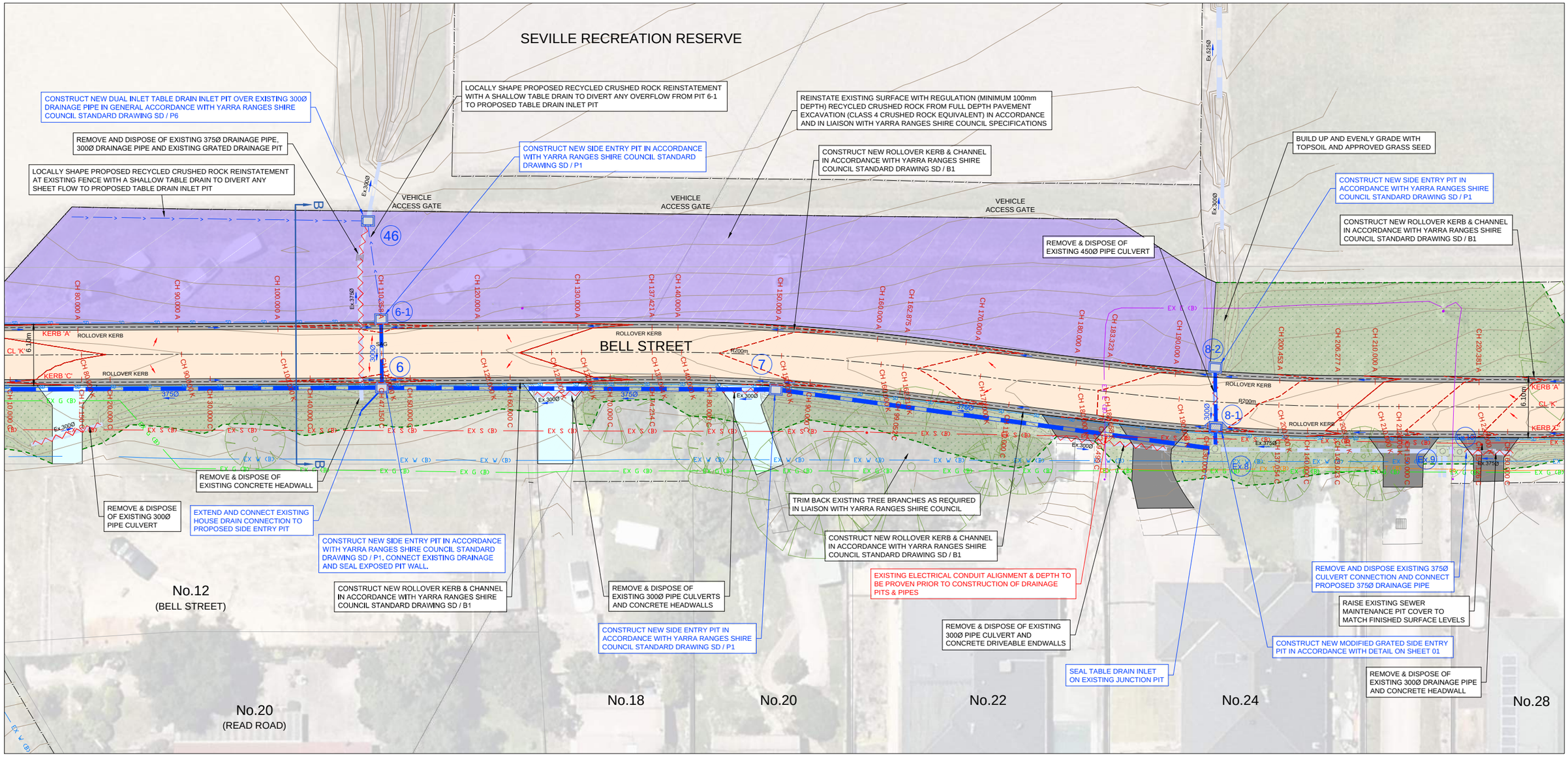
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CONTINUED ON SHEET 06



CONTINUED ON SHEET 08

GENERAL LAYOUT PLAN

4 2 0 4 8 1:200 @ A1 1:400 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

GENERAL LAYOUT PLAN

PROJECT No. PC20005
SHEET No. 07 OF 72
VERSION 09
DWG No. PC20005 - 07 - 09

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
- CONCRETE VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2 AND SD / C3
- 100mm MINIMUM THICKNESS CLASS 2 CRUSHED ROCK VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2
- 50mm THICK ASPHALT VEHICLE CROSSING IN GENERAL ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2

- PROPOSED PAVEMENT GRADE
- EXISTING DRAINAGE PIPE
- (2) NEW DRAINAGE PIT WITH PIT NUMBER AND PIPE
- DIRECTION OF CHANNEL FLOW
- SD — 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
- 100mm MINIMUM THICKNESS RECYCLED ROAD PAVEMENT (CLASS 4 EQUIVALENT) CRUSHED ROCK PARKING AREA IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL SPECIFICATIONS

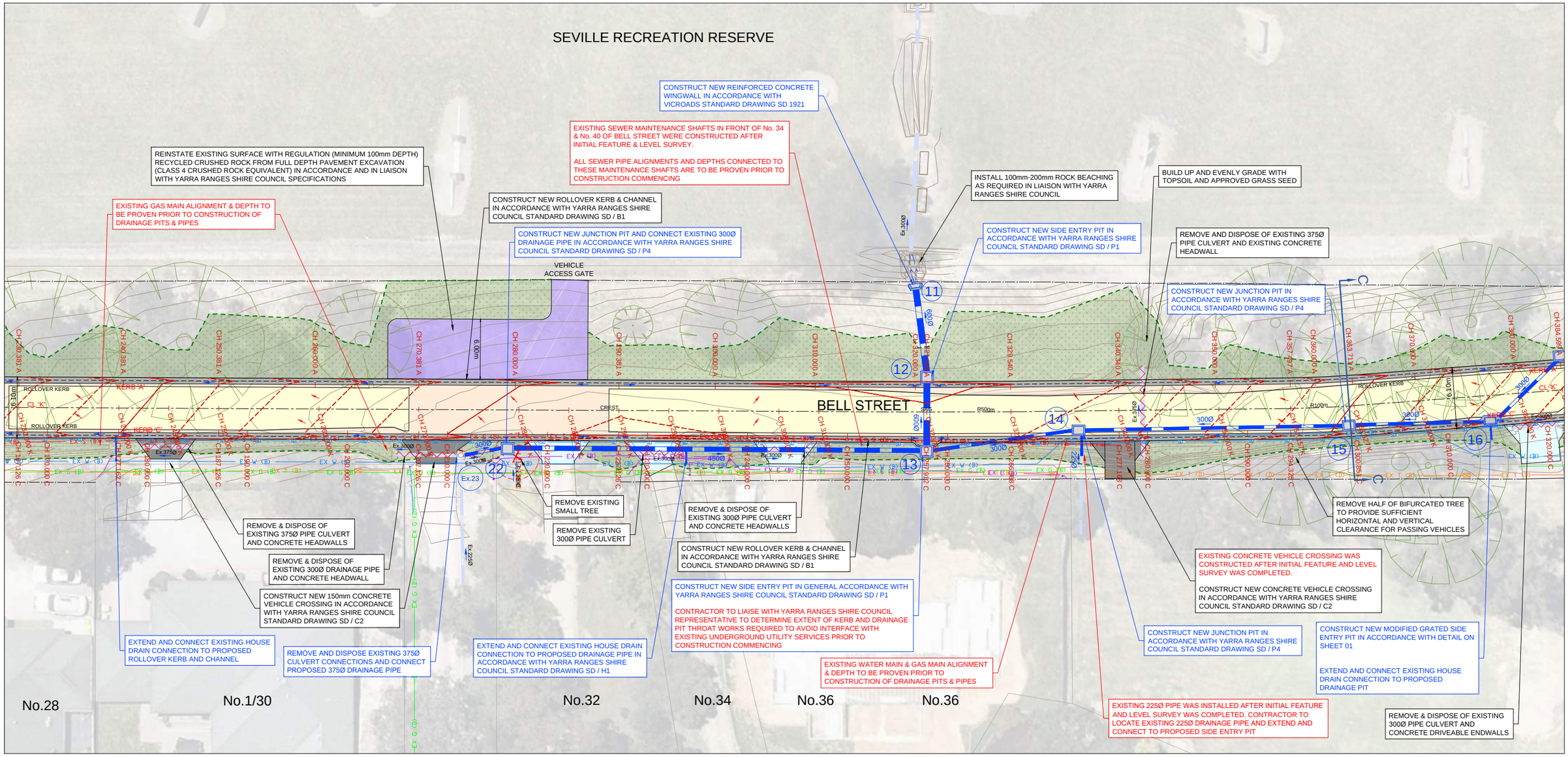
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- EX G (B) — EXISTING GAS WITH QUALITY LEVEL
- EX S (B) — EXISTING SEWER
- EX T (B) — EXISTING TELECOMMUNICATIONS
- EX E (B) — EXISTING UNDERGROUND ELECTRICITY
- 46 — EXISTING CONTOUR MAJOR (1.0m)
- EXISTING CONTOUR MINOR (0.2m)
- 46 — FINISHED SURFACE CONTOUR MAJOR (1.0m)
- FINISHED SURFACE CONTOUR MINOR (0.2m)
- FILL BATTER EXTENT
- CUT BATTER EXTENT
- REMOVE & DISPOSE OF EXISTING DRAINAGE PIPE
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DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE UNDERGROUND UTILITY SERVICE INVESTIGATION INFORMATION BY ACCESS UTILITY ENGINEERING (REF: 221005_0 - BELL ST, SEVILLE). QUALITY LEVELS OF QL-B (SUBSURFACE GEOPHYSICAL), QL-C (ABOVE GROUND), AND QL-D (BEFORE YOU DIG AUSTRALIA (BYDA)) HAVE BEEN LABELED ON THE GENERAL LAYOUT PLANS.

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GENERAL LAYOUT PLAN

4 2 0 4 8 — 1:200 @ A1, 1:400 @ A3

VER	DESCRIPTION	DATE
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ORIENTATION: OR AS SHOWN

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HEIGHT DATUM	AHD
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SURVEY DATE	24-02-2021
AERIAL IMAGE DATE	12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

GENERAL LAYOUT PLAN

PROJECT No.	PC20005
SHEET No.	08 OF 72
VERSION	09
DWG No.	PC20005 - 08 - 09

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
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- 50mm THICK ASPHALT VEHICLE CROSSING IN GENERAL 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
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- FINISHED SURFACE CONTOUR MINOR (0.2m)
- FILL BATTER EXTENT
- CUT BATTER EXTENT
- REMOVE & DISPOSE OF EXISTING DRAINAGE PIPE
- TREE CONSIDERED FOR REMOVAL

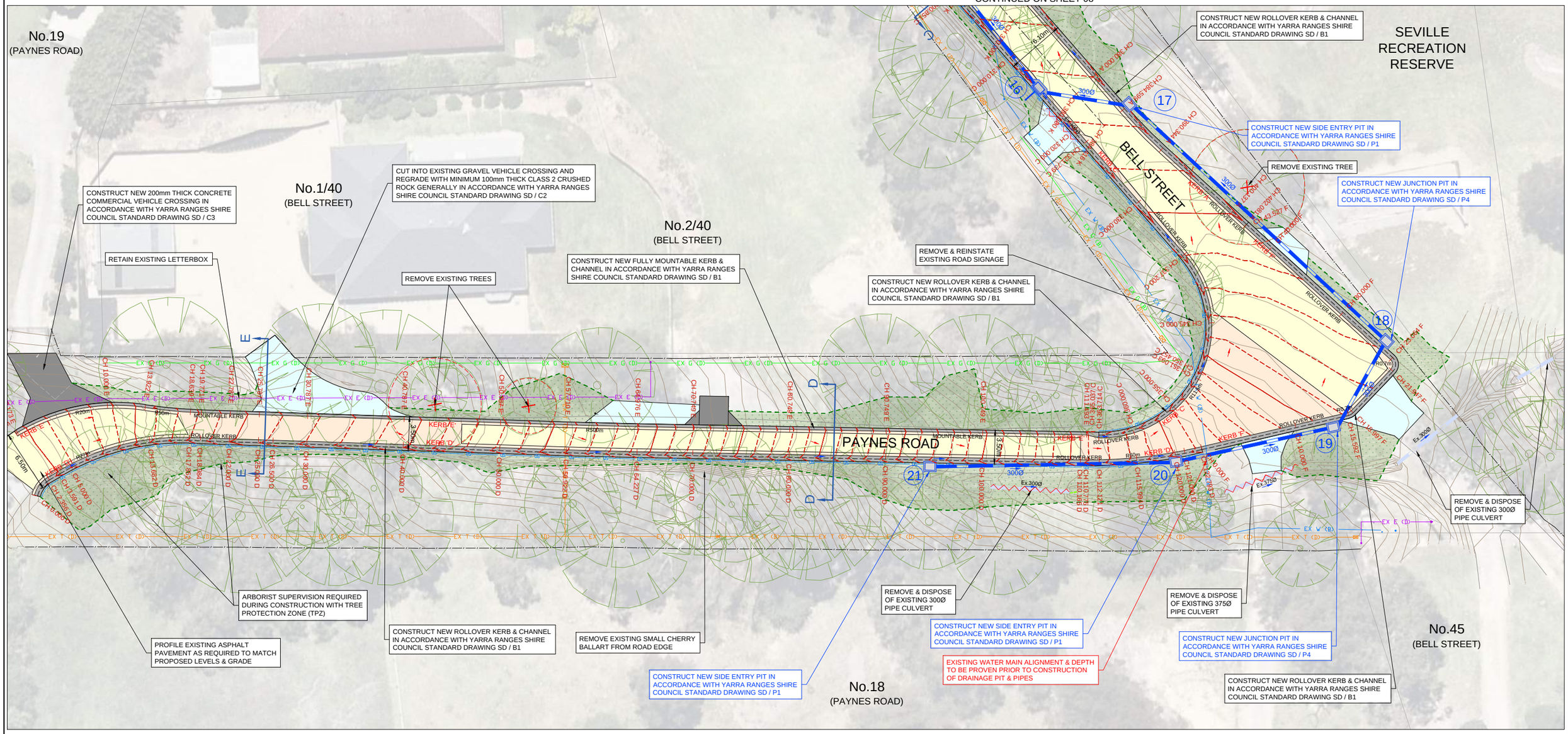
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CONTINUED ON SHEET 08



GENERAL LAYOUT PLAN

4 2 0 4 8 — 1:200 @ A1, 1:400 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
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CIVIL ENGINEERING DESIGN	TECHNICAL PEER REVIEW
KURT CHAMBERLAIN	CHRIS PROCTOR

REGISTERED & CHARTERED PROFESSIONAL ENGINEER
CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

GENERAL LAYOUT PLAN

PROJECT No. PC20005
SHEET No. 09 OF 72
VERSION 09
DWG No. PC20005 - 09 - 09

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
- CONCRETE VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2 AND SD / C3
- 100mm MINIMUM THICKNESS CLASS 2 CRUSHED ROCK VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2
- 50mm THICK ASPHALT VEHICLE CROSSING IN GENERAL ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2

- PROPOSED PAVEMENT GRADE
- EXISTING DRAINAGE PIPE
- (2) NEW DRAINAGE PIT WITH PIT NUMBER AND PIPE
- DIRECTION OF CHANNEL FLOW
- SD 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
- 100mm MINIMUM THICKNESS RECYCLED ROAD PAVEMENT (CLASS 4 EQUIVALENT) CRUSHED ROCK PARKING AREA IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL SPECIFICATIONS

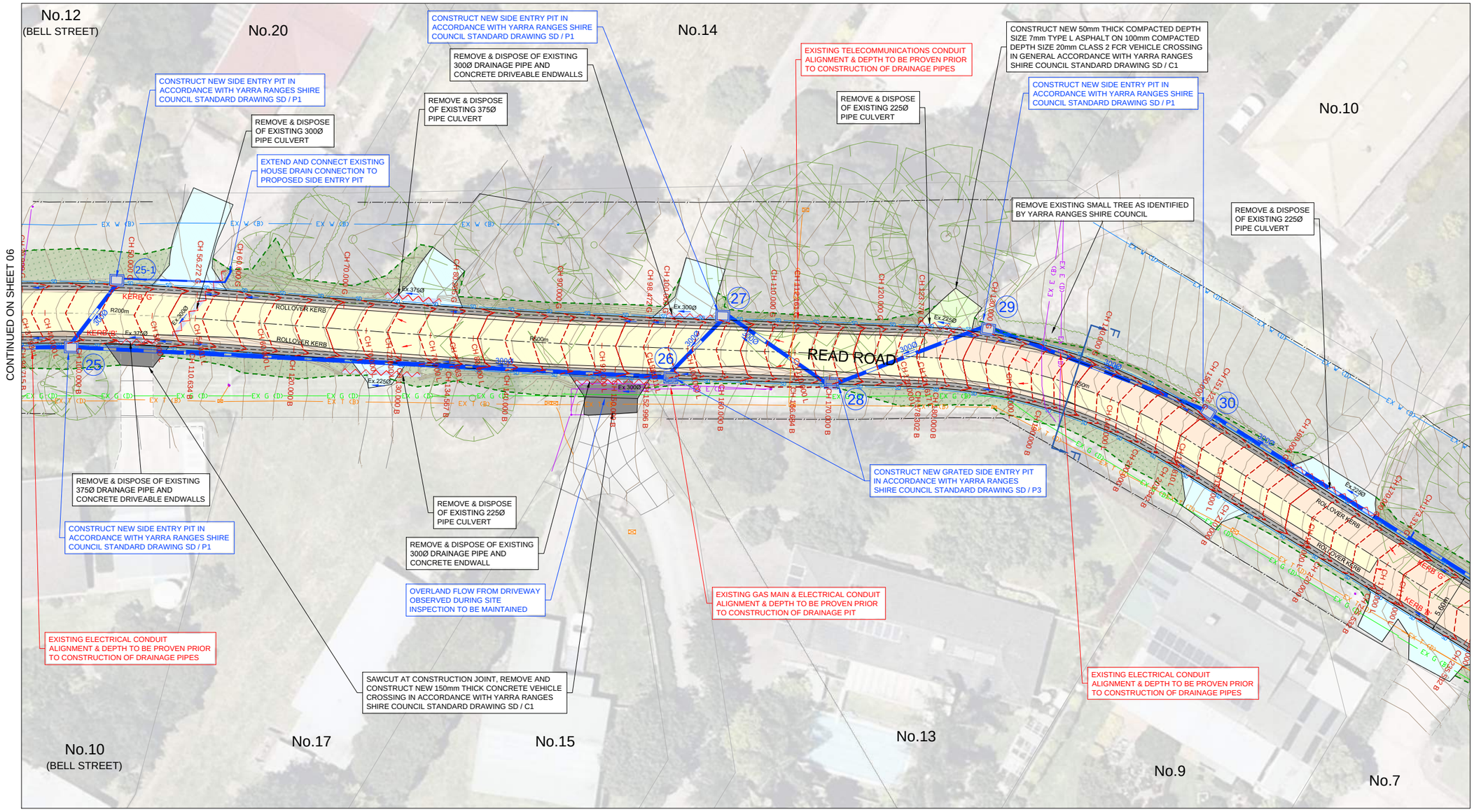
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- EX G (B) EXISTING GAS WITH QUALITY LEVEL
- EX S (B) EXISTING SEWER
- EX T (B) EXISTING TELECOMMUNICATIONS
- EX E (B) EXISTING UNDERGROUND ELECTRICITY
- 46 EXISTING CONTOUR MAJOR (1.0m)
- EXISTING CONTOUR MINOR (0.2m)
- 46 FINISHED SURFACE CONTOUR MAJOR (1.0m)
- FINISHED SURFACE CONTOUR MINOR (0.2m)
- FILL BATTER EXTENT
- CUT BATTER EXTENT
- REMOVE & DISPOSE OF EXISTING DRAINAGE PIPE
- TREE CONSIDERED FOR REMOVAL

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GENERAL LAYOUT PLAN

4 2 0 4 8 1:200 @ A1 1:400 @ A3

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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
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FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

GENERAL LAYOUT PLAN

PROJECT No. PC20005
SHEET No. 10 OF 72
VERSION 09
DWG No. PC20005 - 10 - 09

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
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- CONCRETE VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2 AND SD / C3
- 100mm MINIMUM THICKNESS CLASS 2 CRUSHED ROCK VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2
- 50mm THICK ASPHALT VEHICLE CROSSING IN GENERAL 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
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- EX W (B) — EXISTING WATER WITH QUALITY LEVEL
- EX G (B) — EXISTING GAS WITH QUALITY LEVEL
- EX S (B) — EXISTING SEWER
- EX T (B) — EXISTING TELECOMMUNICATIONS
- EX E (B) — EXISTING UNDERGROUND ELECTRICITY
- EXISTING CONTOUR MAJOR (1.0m)
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- TREE CONSIDERED FOR REMOVAL

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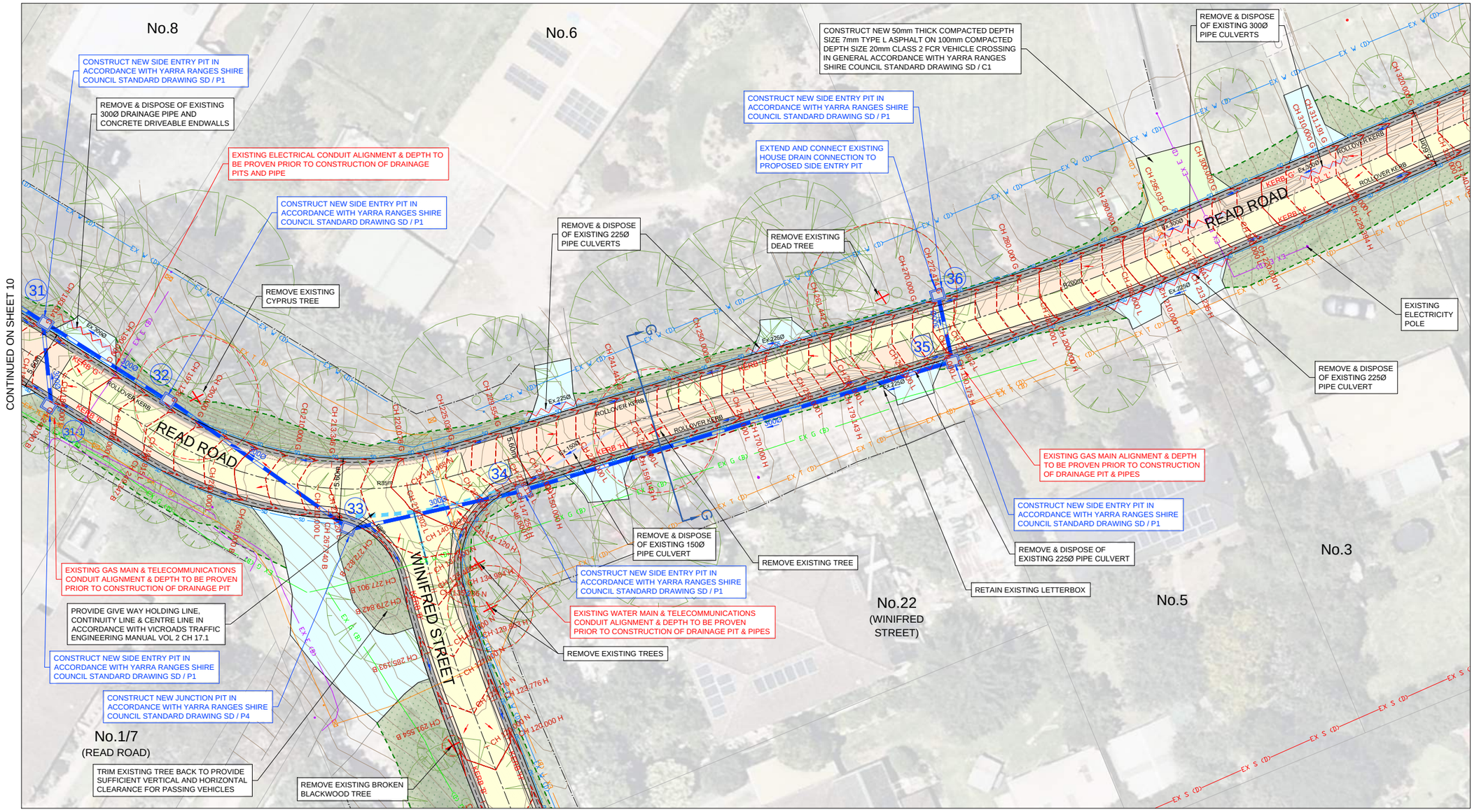
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GENERAL LAYOUT PLAN

4 2 0 4 8 — 1:200 @ A1, 1:400 @ A3

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REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

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HEIGHT DATUM: AHD
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FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

GENERAL LAYOUT PLAN

PROJECT No.	PC20005
SHEET No.	11 OF 72
VERSION	09
DWG No.	PC20005 - 11 - 09

LEGEND

- OVERLAY EXISTING PAVEMENT - 190mm THICK FLEXIBLE PAVEMENT IN ACCORDANCE WITH DETAIL ON SHEET 01
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- PROPOSED PAVEMENT GRADE
- EXISTING DRAINAGE PIPE
- NEW DRAINAGE PIT WITH PIT NUMBER AND PIPE
- DIRECTION OF CHANNEL FLOW
- SD — SUBSURFACE DRAINAGE IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / D4
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- EX G (B) — EXISTING GAS WITH QUALITY LEVEL
- EX S (B) — EXISTING SEWER
- EX T (B) — EXISTING TELECOMMUNICATIONS
- EX E (B) — EXISTING UNDERGROUND ELECTRICITY
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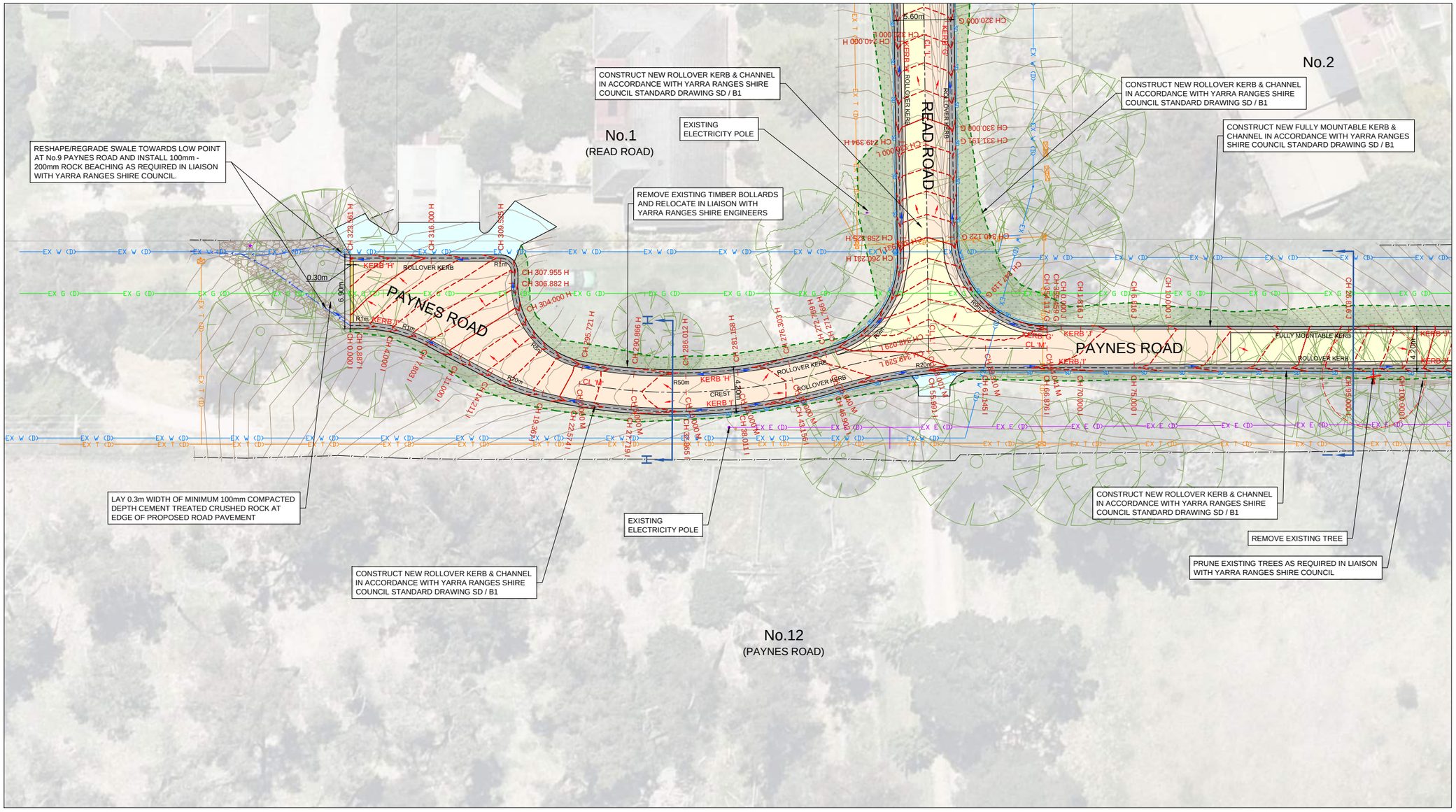
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CONTINUED ON SHEET 11



CONTINUED ON SHEET 13

GENERAL LAYOUT PLAN

4 2 0 4 8 — 1:200 @ A1, 1:400 @ A3

VER	DESCRIPTION	DATE
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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
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CLIENT: Yarra Ranges Council
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FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

GENERAL LAYOUT PLAN

PROJECT No. PC20005
SHEET No. 12 OF 72
VERSION 09
DWG No. PC20005 - 12 - 09

LEGEND

- OVERLAY EXISTING PAVEMENT - 190mm THICK FLEXIBLE PAVEMENT IN ACCORDANCE WITH DETAIL ON SHEET 01
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- EXISTING DRAINAGE PIPE
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- SUBSURFACE DRAINAGE IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / D4
- SWALE INVERT
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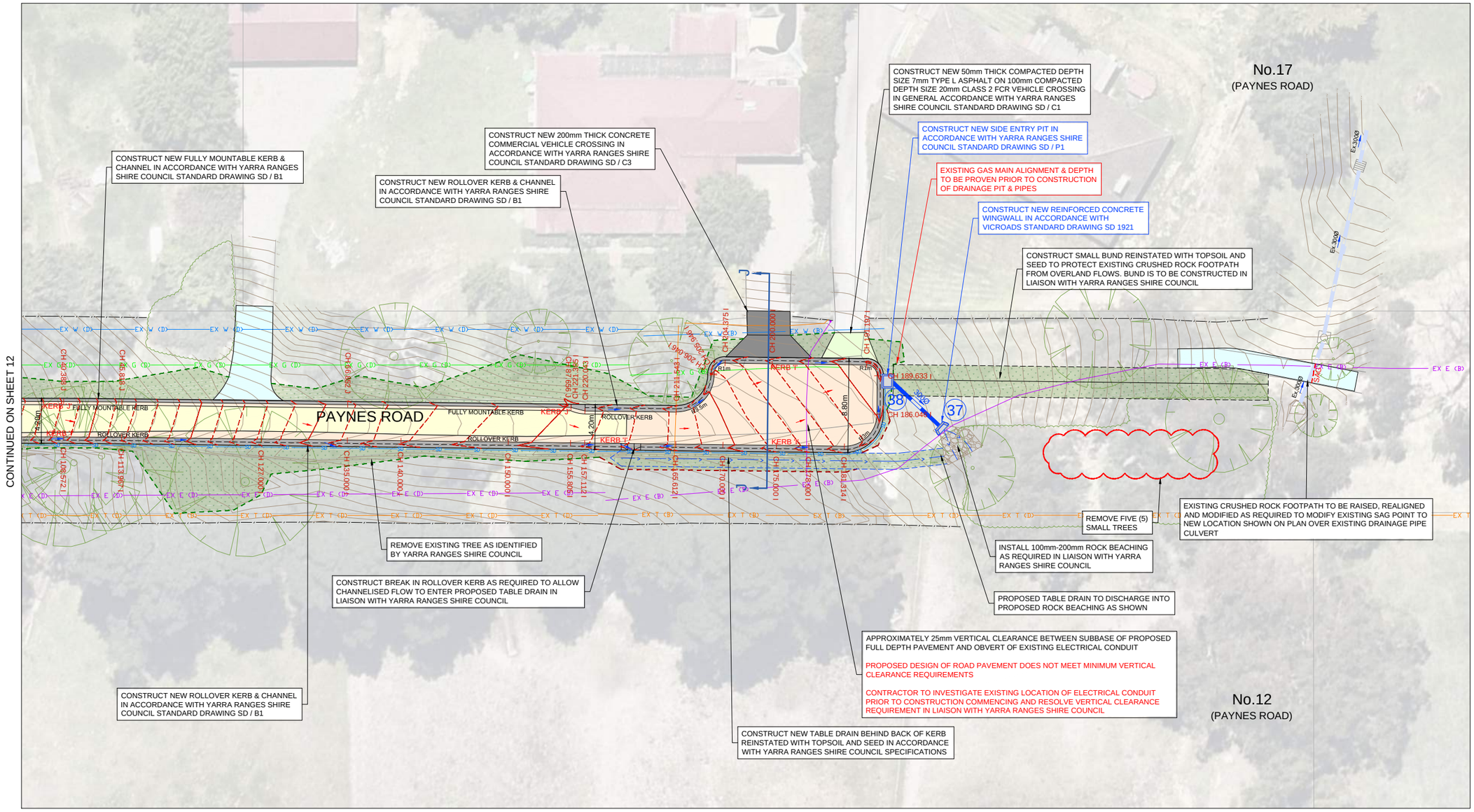
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GENERAL LAYOUT PLAN

4 2 0 4 8
1:200 @ A1
1:400 @ A3

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GENERAL LAYOUT PLAN

PROJECT No. PC20005
SHEET No. 13 OF 72
VERSION 09
DWG No. PC20005 - 13 - 09

LEGEND

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- EXISTING DRAINAGE PIPE
- (2) NEW DRAINAGE PIT WITH PIT NUMBER AND PIPE
- DIRECTION OF CHANNEL FLOW
- SD 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
- 100mm MINIMUM THICKNESS RECYCLED ROAD PAVEMENT (CLASS 4 EQUIVALENT) CRUSHED ROCK PARKING AREA IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL SPECIFICATIONS
- EX W (B) EXISTING WATER WITH QUALITY LEVEL
- EX G (B) EXISTING GAS WITH QUALITY LEVEL
- EX S (B) EXISTING SEWER
- EX T (B) EXISTING TELECOMMUNICATIONS
- EX E (B) EXISTING UNDERGROUND ELECTRICITY
- 46 EXISTING CONTOUR MAJOR (1.0m)
- EXISTING CONTOUR MINOR (0.2m)
- 46 FINISHED SURFACE CONTOUR MAJOR (1.0m)
- FINISHED SURFACE CONTOUR MINOR (0.2m)
- FILL BATTER EXTENT
- CUT BATTER EXTENT
- REMOVE & DISPOSE OF EXISTING DRAINAGE PIPE
- TREE CONSIDERED FOR REMOVAL

DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE UNDERGROUND UTILITY SERVICE INVESTIGATION INFORMATION BY ACCESS UTILITY ENGINEERING (REF: 221005_0 - BELL ST, SEVILLE). QUALITY LEVELS OF QL-B (SUBSURFACE GEOPHYSICAL), QL-C (ABOVE GROUND), AND QL-D (BEFORE YOU DIG AUSTRALIA (BYDA)) HAVE BEEN LABELED ON THE GENERAL LAYOUT PLANS.

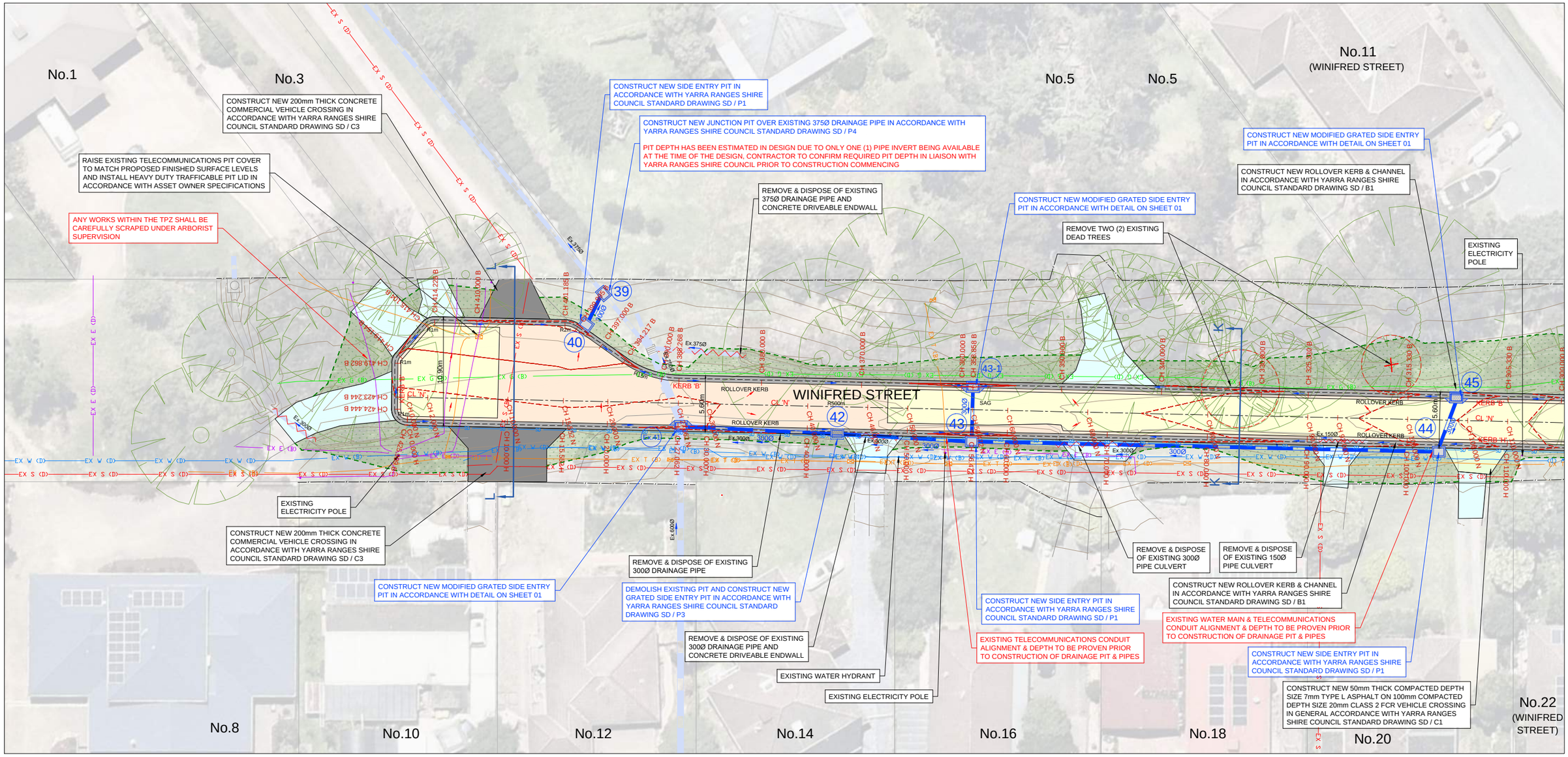
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GENERAL LAYOUT PLAN

4 2 0 4 8 1:200 @ A1 1:400 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
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CIVIL ENGINEERING DESIGN	TECHNICAL PEER REVIEW
KURT CHAMBERLAIN	CHRIS PROCTOR

REGISTERED & CHARTERED PROFESSIONAL ENGINEER
CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

GENERAL LAYOUT PLAN

PROJECT No. PC20005
SHEET No. 14 OF 72
VERSION 09
DWG No. PC20005 - 14 - 09

LEGEND

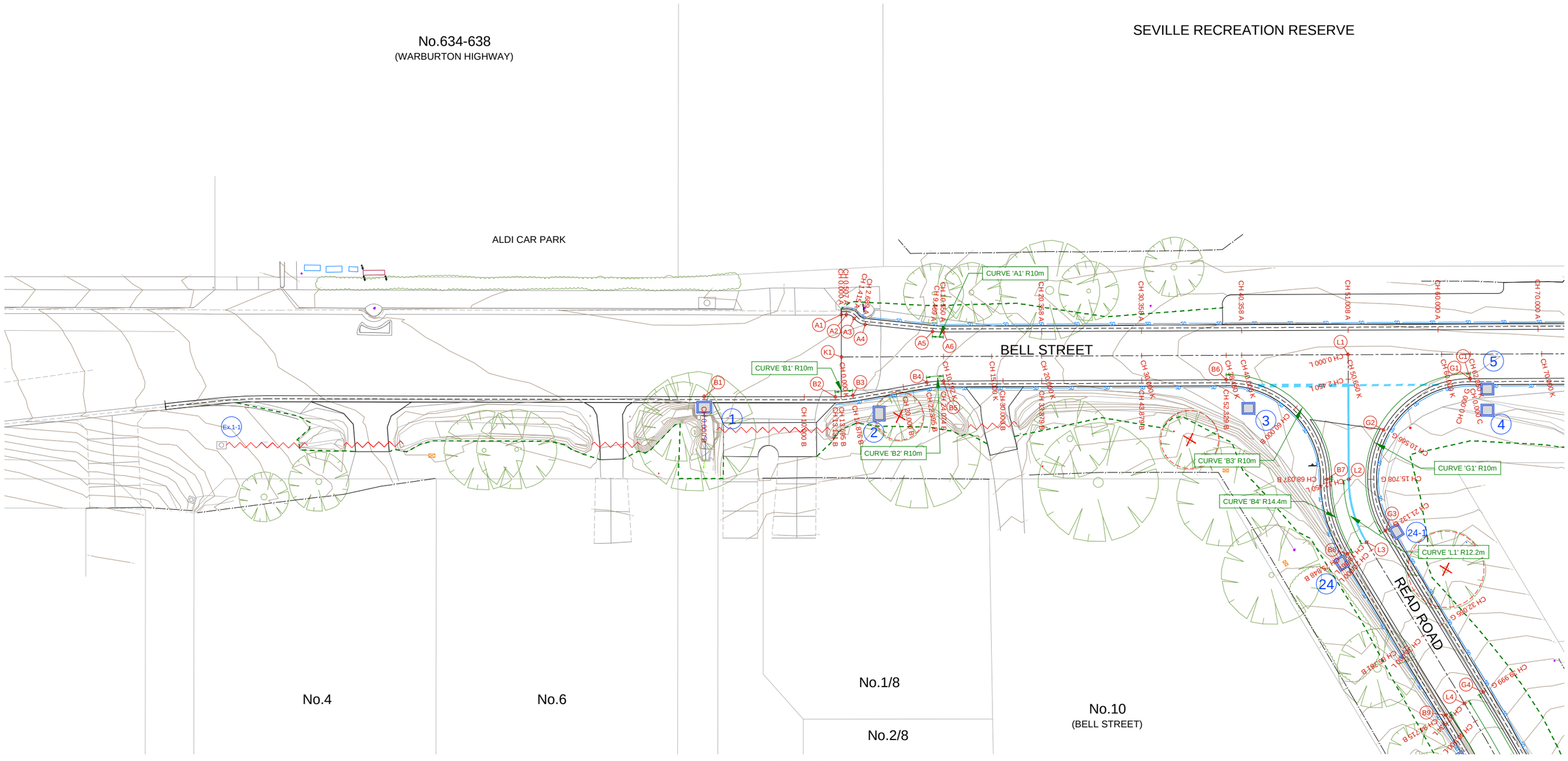
- CURVE — CURVE SETOUT LABEL
- 19 — COORDINATE POINT
- CH 56.000 A — CHAINAGE LABEL WITH DESIGN STRING IDENTIFIER
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REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
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COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

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FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

SURVEY SETOUT PLAN

PROJECT No. PC20005
SHEET No. 15 OF 72
VERSION 09
DWG No. PC20005 - 15 - 09

LEGEND

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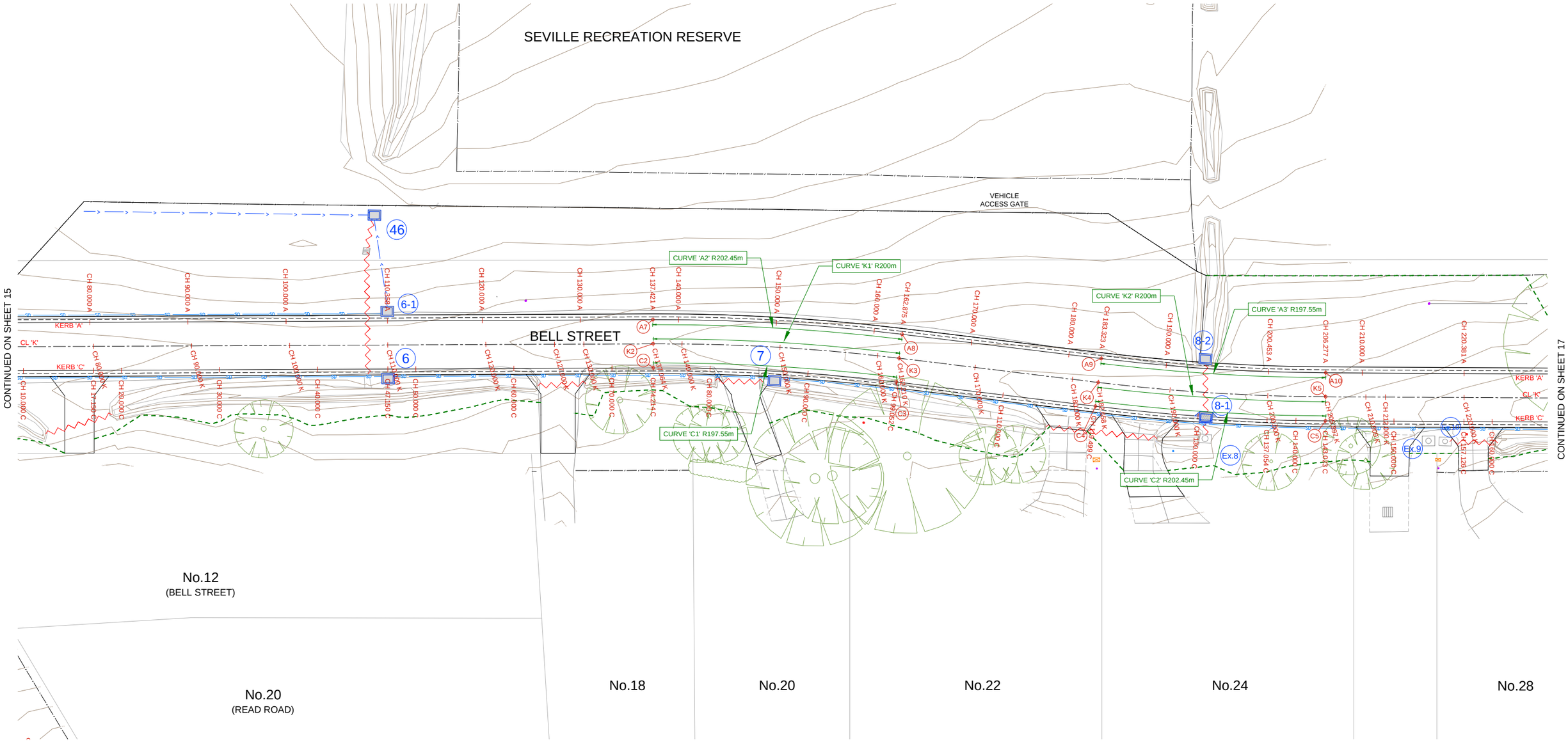
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REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

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ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1

HEIGHT DATUM: AHD

COORDINATE DATUM: MGA 2020 ZONE 55

SURVEY DATE: 24-02-2021

AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**

CLIENT: Yarra Ranges Council

CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

SURVEY SETOUT PLAN

PROJECT No. PC20005

SHEET No. 16 OF 72

VERSION 09

DWG No. PC20005 - 16 - 09

LEGEND

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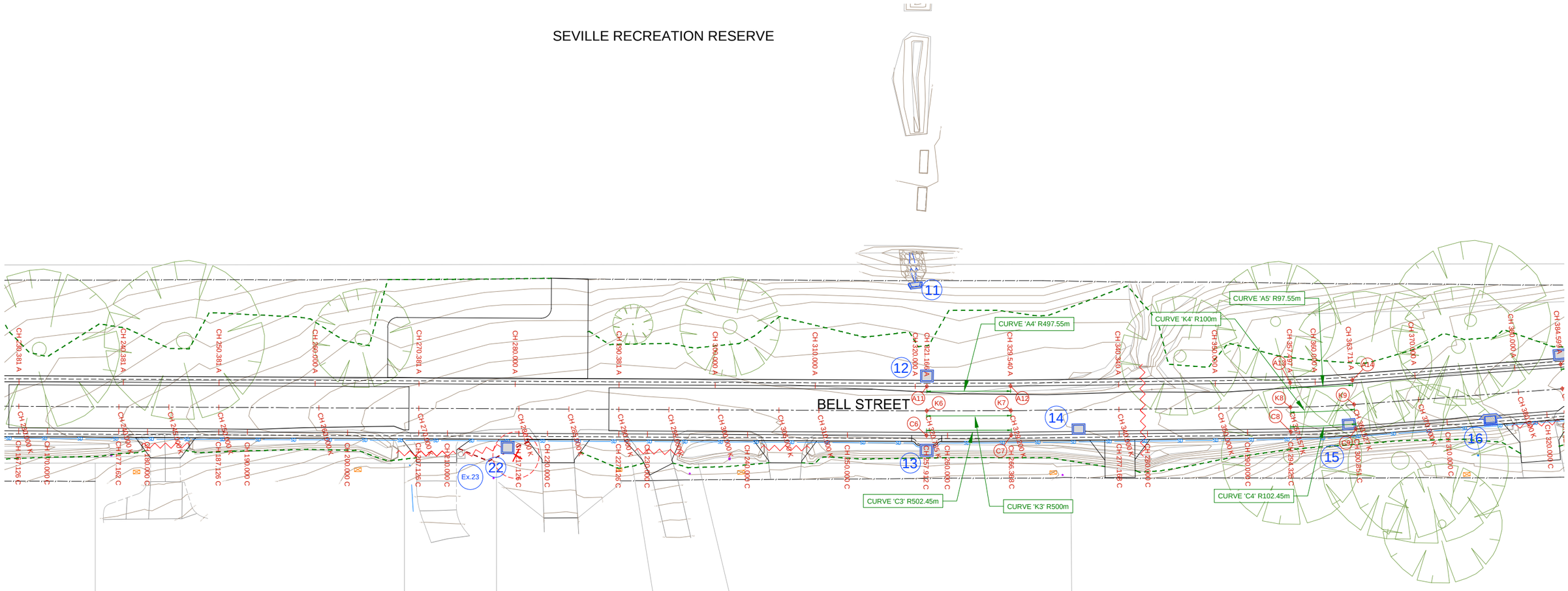
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SEVILLE RECREATION RESERVE



SURVEY SETOUT PLAN

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE	AS SHOWN @ A1
HEIGHT DATUM	AHD
COORDINATE DATUM	MGA 2020 ZONE 55
SURVEY DATE	24-02-2021
AERIAL IMAGE DATE	12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**

CLIENT: Yarra Ranges Council

CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

SURVEY SETOUT PLAN

PROJECT No.	PC20005
SHEET No.	17 OF 72
VERSION	09
DWG No.	PC20005 - 17 - 09

LEGEND

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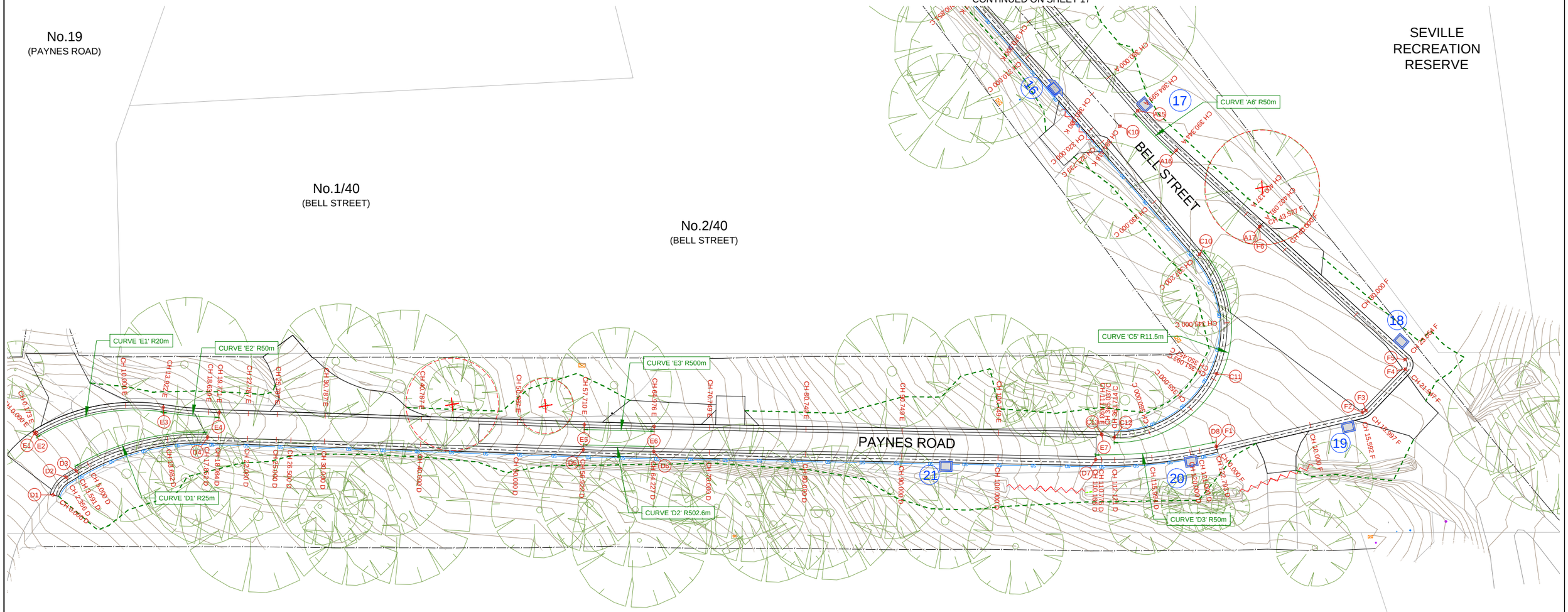
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CONTINUED ON SHEET 17



SURVEY SETOUT PLAN

4 2 0 4 8 — 1:200 @ A1, 1:400 @ A3

VER	DESCRIPTION	DATE
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CIVIL ENGINEERING DESIGN: KURT CHAMBERLAIN
TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

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CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

SURVEY SETOUT PLAN

PROJECT No.: PC20005
SHEET No.: 18 OF 72
VERSION: 09
DWG No.: PC20005 - 18 - 09

LEGEND

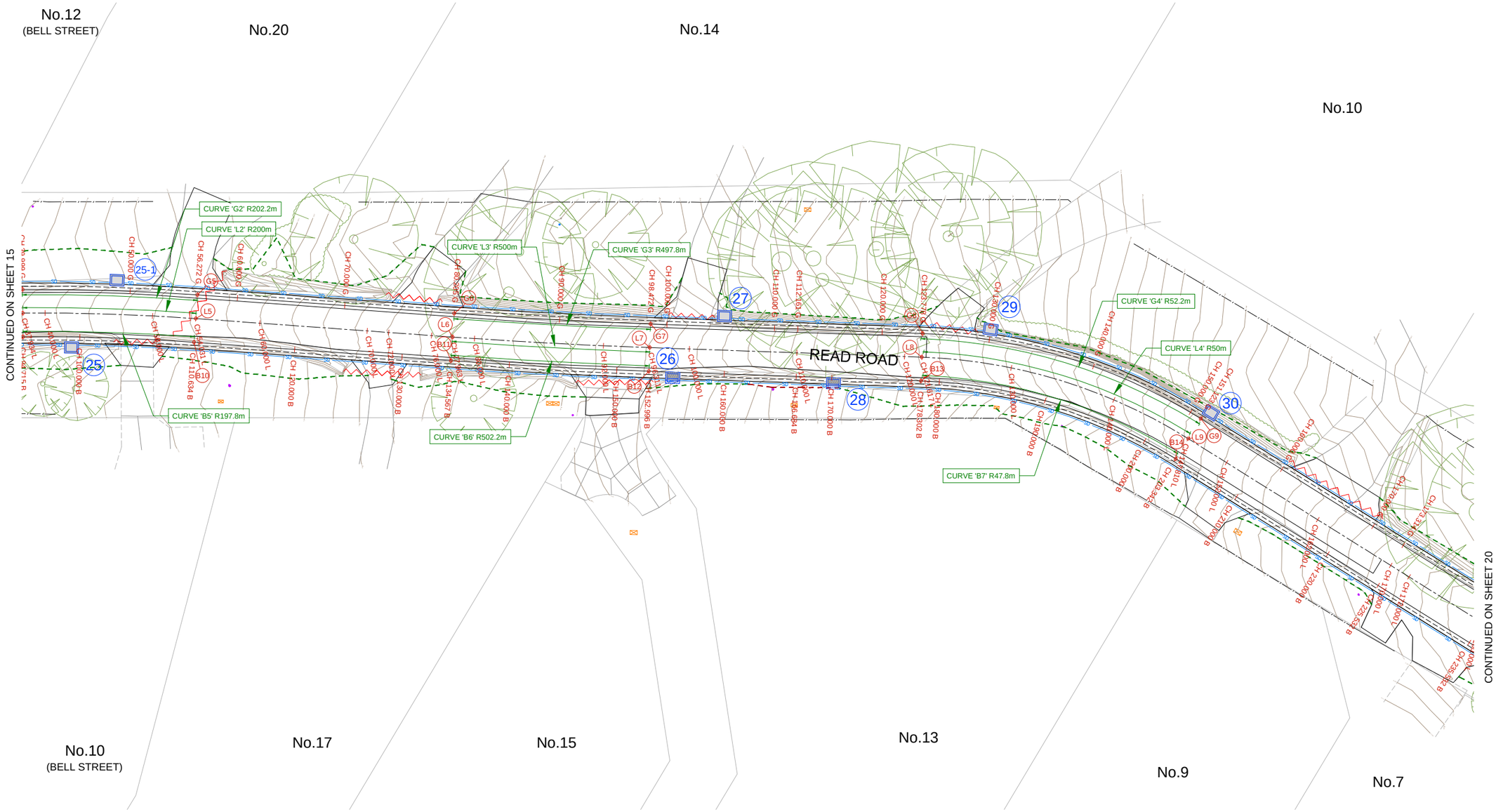
CURVE	CURVE SETOUT LABEL
19	COORDINATE POINT
CH 56.000 A	CHAINAGE LABEL WITH DESIGN STRING IDENTIFIER
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SURVEY SETOUT PLAN

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CHRIS PROCTOR

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COORDINATE DATUM	MGA 2020 ZONE 55
SURVEY DATE	24-02-2021
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LOCAL GOVERNMENT AREA
SHIRE OF YARRA RANGES

CLIENT
Yarra Ranges Council

CLIENT PROJECT MANAGER / CONTACT
MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

SURVEY SETOUT PLAN

PROJECT No.	PC20005
SHEET No.	19 OF 72
VERSION	09
DWG No.	PC20005 - 19 - 09

LEGEND

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- 19 — COORDINATE POINT
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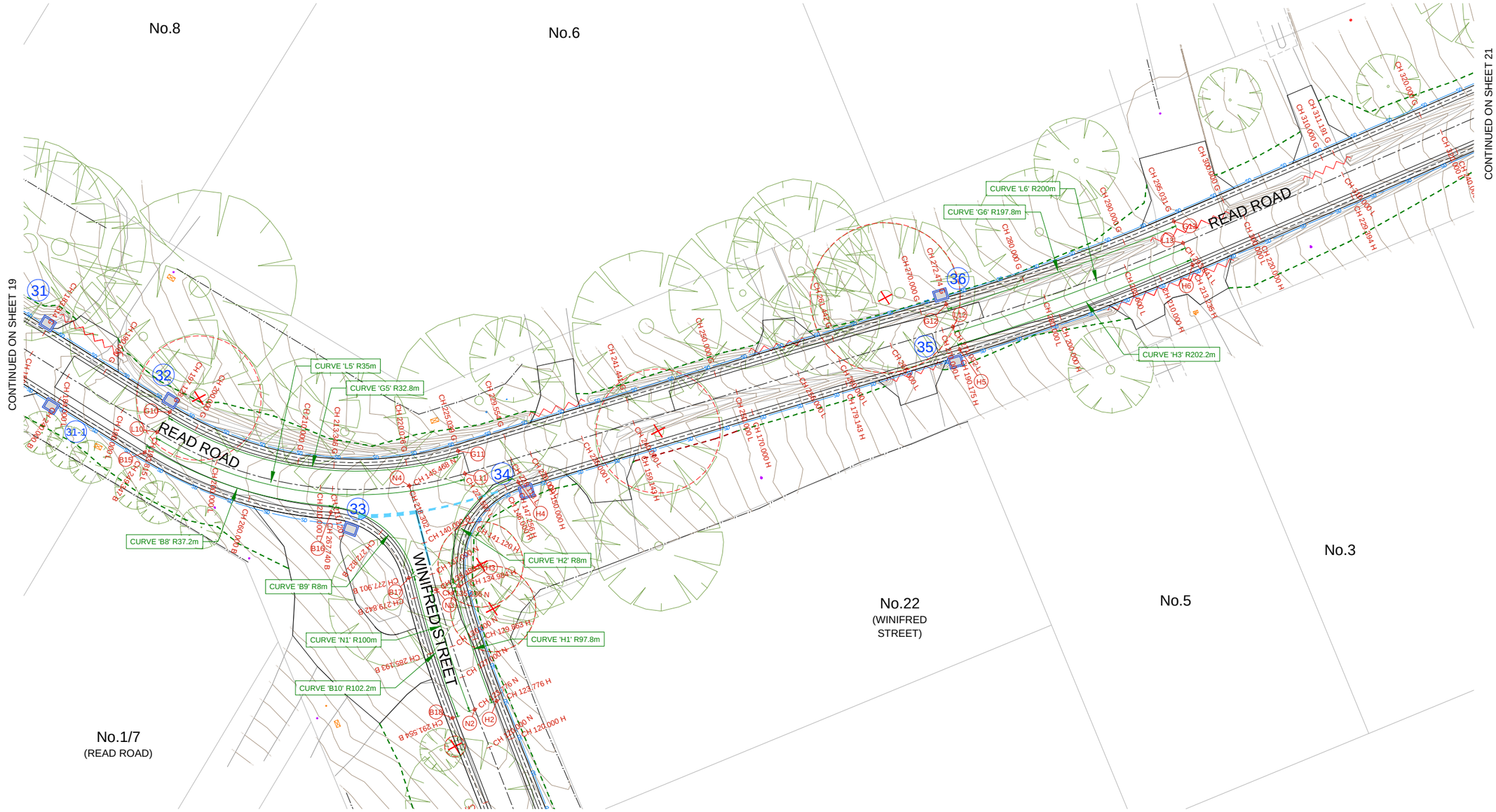
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REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

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ROAD AND DRAINAGE RECONSTRUCTION WORKS

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SURVEY SETOUT PLAN

PROJECT No. PC20005
SHEET No. 20 OF 72
VERSION 09
DWG No. PC20005 - 20 - 09

LEGEND

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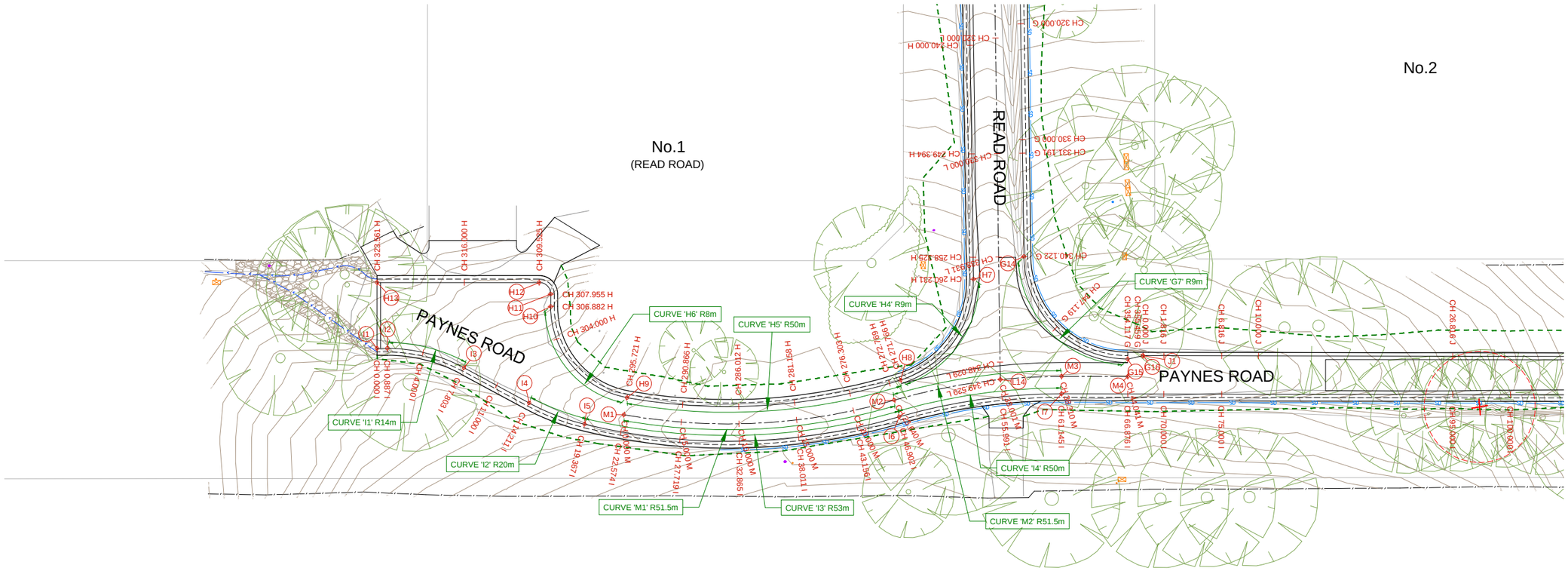
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CONTINUED ON SHEET 20

No.1
(READ ROAD)

No.2



CONTINUED ON SHEET 22

No.12
(PAYNES ROAD)

SURVEY SETOUT PLAN

4 2 0 4 8 — 1:200 @ A1, 1:400 @ A3

VER	DESCRIPTION	DATE
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CIVIL ENGINEERING DESIGN: KURT CHAMBERLAIN
TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

SURVEY SETOUT PLAN

PROJECT No.: PC20005
SHEET No.: 21 OF 72
VERSION: 09
DWG No.: PC20005 - 21- 09

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
- CONCRETE VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2 AND SD / C3
- 100mm MINIMUM THICKNESS CLASS 2 CRUSHED ROCK VEHICLE CROSSING GENERALLY IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL STANDARD DRAWING SD / C2
- 50mm THICK ASPHALT VEHICLE CROSSING IN GENERAL 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
- 100mm MINIMUM THICKNESS RECYCLED ROAD PAVEMENT (CLASS 4 EQUIVALENT) CRUSHED ROCK PARKING AREA IN ACCORDANCE WITH YARRA RANGES SHIRE COUNCIL SPECIFICATIONS

- EX W (B) — EXISTING WATER WITH QUALITY LEVEL
- EX G (B) — EXISTING GAS WITH QUALITY LEVEL
- EX S (B) — EXISTING SEWER
- EX T (B) — EXISTING TELECOMMUNICATIONS
- EX E (B) — EXISTING UNDERGROUND ELECTRICITY
- EXISTING CONTOUR MAJOR (1.0m)
- EXISTING CONTOUR MINOR (0.2m)
- FINISHED SURFACE CONTOUR MAJOR (1.0m)
- FINISHED SURFACE CONTOUR MINOR (0.2m)
- FILL BATTER EXTENT
- CUT BATTER EXTENT
- REMOVE & DISPOSE OF EXISTING DRAINAGE PIPE
- TREE CONSIDERED FOR REMOVAL

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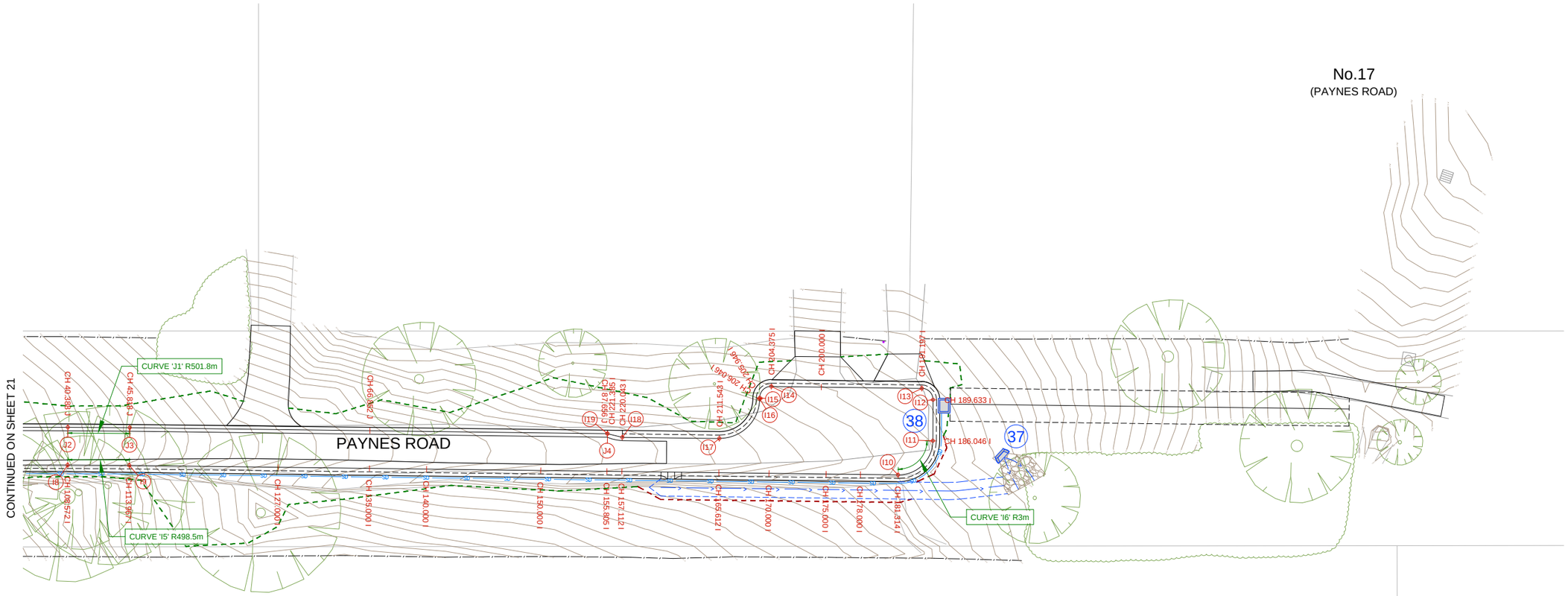
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BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

SURVEY SETOUT PLAN

PROJECT No.	PC20005
SHEET No.	22 OF 72
VERSION	09
DWG No.	PC20005 - 22 - 09

LEGEND

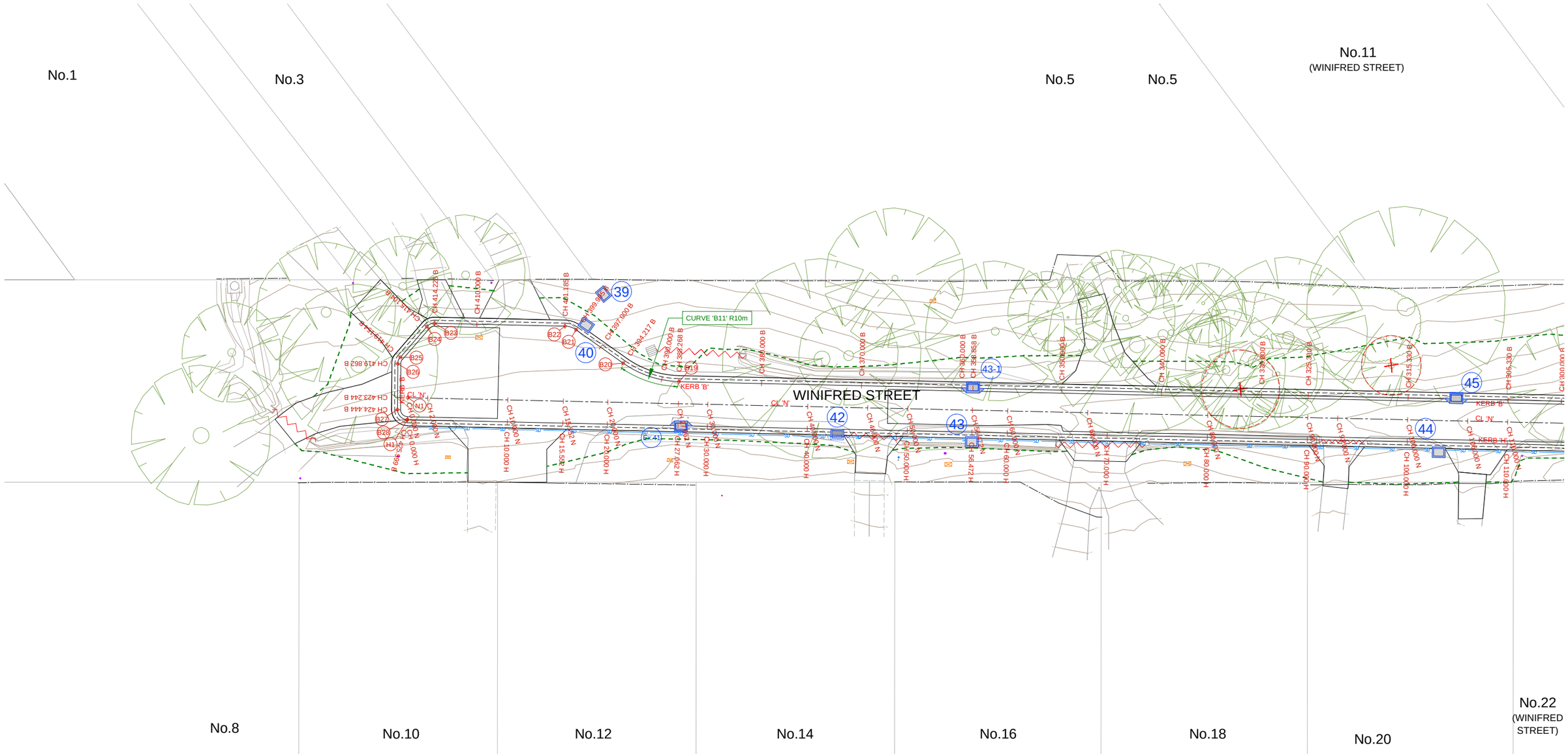
- CURVE — CURVE SETOUT LABEL
- 19 — COORDINATE POINT
- CH 56.000 A — CHAINAGE LABEL WITH DESIGN STRING IDENTIFIER
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SURVEY SETOUT PLAN

PROJECT No.	PC20005
SHEET No.	23 OF 72
VERSION	09
DWG No.	PC20005 - 23 - 09

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SURVEY CURVE / ARC SETOUT DETAIL TABLES

LIP OF KERB (ROLLOVER KERB AND CHANNEL)

'A', 'B', 'C', 'D', 'F', 'G', 'H' AND 'I'

LIP OF KERB CURVE 'A1' SET OUT DETAILS

RAD.	10
INT	6°11'31"
TAN	0.541
CHD	1.08
ARC	1.081
M1	0.015
M2	0.004

LIP OF KERB CURVE 'A2' SET OUT DETAILS

RAD.	202.45
INT	7°12'14"
TAN	12.744
CHD	25.437
ARC	25.454
M1	0.4
M2	0.1

LIP OF KERB CURVE 'A3' SET OUT DETAILS

RAD.	197.55
INT	6°39'27"
TAN	11.49
CHD	22.941
ARC	22.954
M1	0.333
M2	0.083

LIP OF KERB CURVE 'A4' SET OUT DETAILS

RAD.	497.55
INT	0°57'51"
TAN	4.187
CHD	8.373
ARC	8.373
M1	0.018
M2	0.004

LIP OF KERB CURVE 'A5' SET OUT DETAILS

RAD.	97.55
INT	3°38'58"
TAN	3.108
CHD	6.212
ARC	6.213
M1	0.049
M2	0.012

LIP OF KERB CURVE 'A6' SET OUT DETAILS

RAD.	50
INT	6°34'57"
TAN	2.875
CHD	5.741
ARC	5.744
M1	0.082
M2	0.021

LIP OF KERB CURVE 'B1' SET OUT DETAILS

RAD.	10
INT	10°0'2"
TAN	0.875
CHD	1.743
ARC	1.745
M1	0.038
M2	0.01

LIP OF KERB CURVE 'B2' SET OUT DETAILS

RAD.	10
INT	9°37'20"
TAN	0.842
CHD	1.677
ARC	1.679
M1	0.035
M2	0.009

LIP OF KERB CURVE 'B3' SET OUT DETAILS

RAD.	10
INT	90°0'0"
TAN	10
CHD	14.142
ARC	15.708
M1	2.929
M2	0.761

LIP OF KERB CURVE 'B4' SET OUT DETAILS

RAD.	14.4
INT	31°4'35"
TAN	4.004
CHD	7.715
ARC	7.81
M1	0.526
M2	0.132

LIP OF KERB CURVE 'B5' SET OUT DETAILS

RAD.	197.8
INT	4°36'41"
TAN	7.964
CHD	15.915
ARC	15.919
M1	0.16
M2	0.04

LIP OF KERB CURVE 'B6' SET OUT DETAILS

RAD.	502.2
INT	2°6'9"
TAN	9.215
CHD	18.428
ARC	18.429
M1	0.085
M2	0.021

LIP OF KERB CURVE 'B7' SET OUT DETAILS

RAD.	47.8
INT	30°0'51"
TAN	12.814
CHD	24.755
ARC	25.04
M1	1.63
M2	0.409

LIP OF KERB CURVE 'B8' SET OUT DETAILS

RAD.	37.2
INT	28°19'46"
TAN	9.389
CHD	18.206
ARC	18.393
M1	1.131
M2	0.284

LIP OF KERB CURVE 'B9' SET OUT DETAILS

RAD.	8
INT	72°46'30"
TAN	5.895
CHD	9.492
ARC	10.161
M1	1.56
M2	0.4

LIP OF KERB CURVE 'B10' SET OUT DETAILS

RAD.	102.2
INT	7°39'15"
TAN	6.837
CHD	13.643
ARC	13.653
M1	0.228
M2	0.057

LIP OF KERB CURVE 'B11' SET OUT DETAILS

RAD.	10
INT	34°5'12"
TAN	3.066
CHD	5.862
ARC	5.949
M1	0.439
M2	0.11

LIP OF KERB CURVE 'C1' SET OUT DETAILS

RAD.	197.55
INT	7°12'14"
TAN	12.435
CHD	24.822
ARC	24.838
M1	0.39
M2	0.098

LIP OF KERB CURVE 'C2' SET OUT DETAILS

RAD.	202.45
INT	6°39'27"
TAN	11.775
CHD	23.511
ARC	23.524
M1	0.342
M2	0.085

LIP OF KERB CURVE 'C3' SET OUT DETAILS

RAD.	502.45
INT	0°57'51"
TAN	4.228
CHD	8.456
ARC	8.456
M1	0.018
M2	0.004

LIP OF KERB CURVE 'C4' SET OUT DETAILS

RAD.	102.45
INT	3°38'58"
TAN	3.264
CHD	6.524
ARC	6.526
M1	0.052
M2	0.013

LIP OF KERB CURVE 'C5' SET OUT DETAILS

RAD.	11.5
INT	132°5'51"
TAN	25.889
CHD	21.019
ARC	26.514
M1	6.831
M2	1.858

LIP OF KERB CURVE 'D1' SET OUT DETAILS

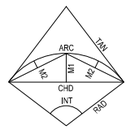
RAD.	25
INT	32°41'3"
TAN	7.33
CHD	14.069
ARC	14.261
M1	1.01
M2	0.254

LIP OF KERB CURVE 'D2' SET OUT DETAILS

RAD.	502.6
INT	0°49'58"
TAN	3.652
CHD	7.304
ARC	7.304
M1	0.013
M2	0.003

LIP OF KERB CURVE 'D3' SET OUT DETAILS

RAD.	50
INT	14°28'13"
TAN	6.348
CHD	12.594
ARC	12.628
M1	0.398
M2	0.1



LIP OF KERB CURVE 'G1' SET OUT DETAILS

RAD.	10
INT	121°4'35"
TAN	17.702
CHD	17.414
ARC	21.132
M1	5.082
M2	1.363

LIP OF KERB CURVE 'G2' SET OUT DETAILS

RAD.	202.2
INT	4°36'41"
TAN	8.141
CHD	16.269
ARC	16.273
M1	0.164
M2	0.041

LIP OF KERB CURVE 'G3' SET OUT DETAILS

RAD.	497.8
INT	2°6'9"
TAN	9.135
CHD	18.266
ARC	18.267
M1	0.084
M2	0.021

LIP OF KERB CURVE 'G4' SET OUT DETAILS

RAD.	52.2
INT	30°0'51"
TAN	13.994
CHD	27.033
ARC	27.345
M1	1.78
M2	0.447

LIP OF KERB CURVE 'G5' SET OUT DETAILS

RAD.	32.8
INT	48°45'14"
TAN	14.863
CHD	27.076
ARC	27.91
M1	2.924
M2	0.739

LIP OF KERB CURVE 'G6' SET OUT DETAILS

RAD.	197.8
INT	6°32'3"
TAN	11.291
CHD	22.545
ARC	22.557
M1	0.321
M2	0.08

LIP OF KERB CURVE 'G7' SET OUT DETAILS

RAD.	9
INT	89°5'39"
TAN	8.859
CHD	12.627
ARC	13.995
M1	2.586
M2	0.672

LIP OF KERB CURVE 'H1' SET OUT DETAILS

RAD.	97.8
INT	6°33'58"
TAN	5.61
CHD	11.202
ARC	11.208
M1	0.161
M2	0.04

LIP OF KERB CURVE 'H2' SET OUT DETAILS

RAD.	8
INT	87°53'18"
TAN	7.71
CHD	11.103
ARC	12.272
M1	2.24
M2	0.581

LIP OF KERB CURVE 'H3' SET OUT DETAILS

RAD.	202.2
INT	6°32'3"
TAN	11.542
CHD	23.047
ARC	23.059
M1	0.329
M2	0.082

LIP OF KERB CURVE 'H4' SET OUT DETAILS

RAD.	9
INT	73°26'3"
TAN	6.713
CHD	10.762
ARC	11.535
M1	1.786
M2	0.458

LIP OF KERB CURVE 'H5' SET OUT DETAILS

RAD.	50
INT	27°27'2"
TAN	12.212
CHD	23.727
ARC	23.955
M1	1.428
M2	0.358

LIP OF KERB CURVE 'H6' SET OUT DETAILS

RAD.	8
INT	79°56'2"
TAN	6.705
CHD	10.278
ARC	11.161
M1	1.869
M2	0.482

LIP OF KERB CURVE 'I1' SET OUT DETAILS

RAD.	14
INT	28°18'13"
TAN	3.53
CHD	6.846
ARC	6.916
M1	0.425
M2	0.107

LIP OF KERB CURVE 'I2' SET OUT DETAILS

RAD.	20
INT	14°46'17"
TAN	2.592
CHD	5.142
ARC	5.156
M1	0.166
M2	0.042

LIP OF KERB CURVE 'I3' SET OUT DETAILS

RAD.	53
INT	29°45'59"
TAN	14.086
CHD	27.226
ARC	27.535
M1	1.778
M2	0.446

LIP OF KERB CURVE 'I4' SET OUT DETAILS

RAD.	50
INT	16°19'16"
TAN	7.17
CHD	14.195
ARC	14.243
M1	0.506
M2	0.127

LIP OF KERB CURVE 'I5' SET OUT DETAILS

RAD.	498.5
INT	0°37'12"
TAN	2.697
CHD	5.394
ARC	5.395
M1	0.007
M2	0.002

LIP OF KERB CURVE 'I6' SET OUT DETAILS

RAD.	3
INT	90°22'53"
TAN	3.02
CHD	4.257
ARC	4.732
M1	0.886
M2	0.23

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SURVEY SETOUT DETAILS

PROJECT No. PC20005
SHEET No. 24 OF 72
VERSION 09
DWG No. PC20005 - 24 - 09

SURVEY CURVE / ARC SETOUT DETAIL TABLES

CENTRELINE

'K', 'L', 'M' AND 'N'

CENTRELINE CURVE 'K1' SET OUT DETAILS

RAD.	200
INT	7°12'14"
TAN	12.59
CHD	25.129
ARC	25.146
M1	0.395
M2	0.099

CENTRELINE CURVE 'K2' SET OUT DETAILS

RAD.	200
INT	6°39'27"
TAN	11.632
CHD	23.226
ARC	23.239
M1	0.337
M2	0.084

CENTRELINE CURVE 'K3' SET OUT DETAILS

RAD.	500
INT	0°57'51"
TAN	4.207
CHD	8.414
ARC	8.414
M1	0.018
M2	0.004

CENTRELINE CURVE 'K4' SET OUT DETAILS

RAD.	100
INT	3°38'58"
TAN	3.186
CHD	6.368
ARC	6.369
M1	0.051
M2	0.013

CENTRELINE CURVE 'L1' SET OUT DETAILS

RAD.	12.2
INT	31°4'35"
TAN	3.392
CHD	6.536
ARC	6.617
M1	0.446
M2	0.112

CENTRELINE CURVE 'L2' SET OUT DETAILS

RAD.	200
INT	4°36'41"
TAN	8.053
CHD	16.092
ARC	16.096
M1	0.162
M2	0.04

CENTRELINE CURVE 'L3' SET OUT DETAILS

RAD.	500
INT	2°6'9"
TAN	9.175
CHD	18.347
ARC	18.348
M1	0.084
M2	0.021

CENTRELINE CURVE 'L4' SET OUT DETAILS

RAD.	50
INT	30°0'51"
TAN	13.404
CHD	25.894
ARC	26.192
M1	1.705
M2	0.428

CENTRELINE CURVE 'L5' SET OUT DETAILS

RAD.	35
INT	48°45'14"
TAN	15.86
CHD	28.892
ARC	29.782
M1	3.12
M2	0.789

CENTRELINE CURVE 'L6' SET OUT DETAILS

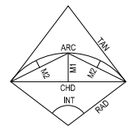
RAD.	200
INT	6°32'3"
TAN	11.416
CHD	22.796
ARC	22.808
M1	0.325
M2	0.081

CENTRELINE CURVE 'M1' SET OUT DETAILS

RAD.	51.5
INT	26°18'1"
TAN	12.032
CHD	23.433
ARC	23.64
M1	1.35
M2	0.339

CENTRELINE CURVE 'M2' SET OUT DETAILS

RAD.	51.5
INT	16°19'16"
TAN	7.385
CHD	14.621
ARC	14.67
M1	0.521
M2	0.131



CENTRELINE CURVE 'N1' SET OUT DETAILS

RAD.	100
INT	6°42'37"
TAN	5.862
CHD	11.705
ARC	11.712
M1	0.171
M2	0.043

SURVEY CURVE / ARC SETOUT DETAIL TABLES

LIP OF KERB (FULLY MOUNTABLE KERB)

'E' AND 'J'

LIP OF KERB CURVE 'E1' SET OUT DETAILS

RAD.	20
INT	39°23'13"
TAN	7.158
CHD	13.48
ARC	13.749
M1	1.17
M2	0.295

LIP OF KERB CURVE 'E2' SET OUT DETAILS

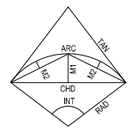
RAD.	50
INT	6°42'10"
TAN	2.928
CHD	5.846
ARC	5.849
M1	0.086
M2	0.021

LIP OF KERB CURVE 'E3' SET OUT DETAILS

RAD.	500
INT	0°49'58"
TAN	3.633
CHD	7.266
ARC	7.267
M1	0.013
M2	0.003

LIP OF KERB CURVE 'J1' SET OUT DETAILS

RAD.	501.8
INT	0°37'12"
TAN	2.715
CHD	5.43
ARC	5.43
M1	0.007
M2	0.002



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SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

ROLLOVER - LIP OF KERB (A)

Point Number	Easting (m)	Northing (m)	FS (m RL)
A1	364317.199	5817561.670	133.75
A2	364317.446	5817561.228	133.76
A3	364317.495	5817560.352	133.79
A4	364317.496	5817559.112	133.84
A5	364320.126	5817552.863	134.08
A6	364320.598	5817551.891	134.11
A7	364382.137	5817440.944	135.06
A8	364393.054	5817417.968	135.31
A9	364400.652	5817398.984	135.54
A10	364410.398	5817378.216	135.89
A11	364465.165	5817277.221	137.95
A12	364469.218	5817269.894	138.04
A13	364482.957	5817245.545	138.71
A14	364486.181	5817240.234	138.94
A15	364497.582	5817222.732	139.53
A16	364500.988	5817218.109	139.71
A17	364508.479	5817209.075	140.06

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

ROLLOVER - LIP OF KERB (B)

Point Number	Easting (m)	Northing (m)	FS (m RL)
B1	364303.428	5817569.753	133.73
B2	364309.721	5817558.229	133.99
B3	364310.686	5817556.778	134.03
B4	364315.381	5817550.905	134.22
B5	364316.314	5817549.512	134.26
B6	364330.020	5817524.803	135.17
B7	364326.126	5817511.208	135.69
B8	364320.628	5817505.795	135.99
B9	364311.221	5817489.440	137.08
B10	364302.737	5817475.975	138.09
B11	364289.175	5817456.256	139.75
B12	364279.012	5817440.884	141.17
B13	364265.446	5817419.521	143.56
B14	364247.217	5817402.773	145.98
B15	364206.436	5817381.481	149.39
B16	364192.850	5817369.361	150.54
B17	364183.903	5817366.191	150.67
B18	364170.613	5817369.271	150.15
B19	364075.149	5817384.771	149.16
B20	364069.893	5817387.365	149.00
B21	364065.688	5817391.329	148.78
B22	364064.637	5817391.847	148.79
B23	364051.764	5817393.937	148.86
B24	364050.947	5817393.704	148.88
B25	364047.897	5817391.039	149.05
B26	364047.565	5817390.431	149.08
B27	364046.902	5817385.897	149.31
B28	364047.730	5817384.765	149.35

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

ROLLOVER - LIP OF KERB (C)

Point Number	Easting (m)	Northing (m)	FS (m RL)
C1	364341.856	5817503.465	135.17
C2	364377.853	5817438.567	135.06
C3	364388.505	5817416.147	135.31
C4	364396.102	5817397.164	135.61
C5	364406.091	5817375.880	136.03
C6	364460.857	5817274.885	138.10
C7	364464.951	5817267.486	138.18
C8	364478.689	5817243.137	138.86
C9	364482.075	5817237.559	139.08
C10	364501.916	5817207.103	140.19
C11	364501.929	5817194.568	141.23
C12	364490.478	5817189.468	142.69
C13	364489.255	5817189.966	142.83

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

ROLLOVER - LIP OF KERB (D)

Point Number	Easting (m)	Northing (m)	FS (m RL)
D1	364380.473	5817198.862	153.31
D2	364382.086	5817200.495	153.13
D3	364383.225	5817200.974	152.99
D4	364397.203	5817202.565	151.41
D5	364435.697	5817195.884	148.82
D6	364442.903	5817194.687	148.14
D7	364488.274	5817187.489	142.89
D8	364500.861	5817187.098	141.75

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

ROLLOVER - LIP OF KERB (F)

Point Number	Easting (m)	Northing (m)	FS (m RL)
F1	364500.884	5817187.098	141.75
F2	364516.392	5817188.495	140.79
F3	364516.763	5817188.643	140.76
F4	364521.436	5817192.326	140.48
F5	364521.541	5817193.323	140.44
F6	364508.480	5817209.074	140.06

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

ROLLOVER - LIP OF KERB (G)

Point Number	Easting (m)	Northing (m)	FS (m RL)
G1	364341.855	5817503.467	135.17
G2	364333.188	5817508.615	135.52
G3	364324.442	5817503.601	135.99
G4	364315.035	5817487.247	137.08
G5	364306.362	5817473.482	138.09
G6	364292.800	5817453.763	139.75
G7	364282.727	5817438.525	141.17
G8	364269.161	5817417.163	143.56
G9	364249.254	5817398.873	145.98
G10	364208.473	5817377.581	149.39
G11	364191.783	5817356.260	151.46
G12	364180.568	5817310.170	156.10
G13	364176.494	5817287.996	158.26
G14	364170.887	5817243.255	161.93
G15	364178.557	5817233.225	162.85
G16	364179.892	5817233.338	162.85

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

ROLLOVER - LIP OF KERB (H)

Point Number	Easting (m)	Northing (m)	FS (m RL)
H1	364047.733	5817384.765	149.35
H2	364169.908	5817364.928	150.15
H3	364180.844	5817362.503	150.59
H4	364186.440	5817352.913	151.85
H5	364176.292	5817311.211	156.10
H6	364172.128	5817288.542	158.27
H7	364166.285	5817241.911	162.10
H8	364158.828	5817234.152	163.07
H9	364135.168	5817235.932	163.07
H10	364129.721	5817244.647	161.73
H11	364129.870	5817245.710	161.62
H12	364129.018	5817246.839	161.47
H13	364115.119	5817248.782	160.62

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

ROLLOVER - LIP OF KERB (I)

Point Number	Easting (m)	Northing (m)	FS (m RL)
I1	364114.333	5817243.137	161.05
I2	364115.211	5817243.014	161.12
I3	364121.553	5817240.437	161.80
I4	364126.720	5817236.647	162.45
I5	364131.222	5817234.163	162.88
I6	364158.268	5817231.029	163.31
I7	364172.462	5817231.057	162.93
I8	364219.422	5817224.416	160.28
I9	364224.760	5817223.632	159.64
I10	364291.338	5817213.482	155.53
I11	364294.758	5817216.015	155.08
I12	364295.275	5817219.564	154.81
I13	364294.437	5817220.697	154.83
I14	364281.409	5817222.683	155.68
I15	364280.270	5817221.845	155.83
I16	364280.255	5817221.746	155.84
I17	364276.268	5817218.814	156.36
I18	364267.865	5817220.095	156.91
I19	364266.619	5817220.588	156.98

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

MOUNTABLE - LIP OF KERB (E)

Point Number	Easting (m)	Northing (m)	FS (m RL)
E1	364379.453	5817205.462	153.10
E2	364379.612	5817205.529	153.09
E3	364393.071	5817206.268	151.92
E4	364398.763	5817204.933	151.38
E5	364436.143	5817198.445	148.90
E6	364443.310	5817197.255	148.22
E7	364489.251	5817189.967	142.83

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

MOUNTABLE - LIP OF KERB (J)

Point Number	Easting (m)	Northing (m)	FS (m RL)
J1	364179.895	5817233.338	162.85
J2	364219.884	5817227.684	160.38
J3	364225.257	5817226.894	159.74
J4	364266.615	5817220.589	156.98

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

CENTRELINE (K)

Point Number	Easting (m)	Northing (m)	FS (m RL)
K1	364313.512	5817559.615	133.88
K2	364379.995	5817439.755	135.13
K3	364390.780	5817417.057	135.38
K4	364398.377	5817398.073	135.61
K5	364408.245	5817377.048	135.96
K6	364463.011	5817276.053	138.03
K7	364467.084	5817268.690	138.11
K8	364480.823	5817244.341	138.79
K9	364484.128	5817238.897	139.01
K10	364495.529	5817221.396	139.61

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

CENTRELINE (L)

Point Number	Easting (m)	Northing (m)	FS (m RL)
L1	364338.079	5817515.322	135.38
L2	364327.193	5817509.284	135.76
L3	364322.535	5817504.698	136.05
L4	364313.128	5817488.344	137.15
L5	364304.549	5817474.728	138.16
L6	364290.987	5817455.010	139.81
L7	364280.870	5817439.705	141.24
L8	364267.304	5817418.342	143.63
L9	364248.236	5817400.823	146.05
L10	364207.455	5817379.531	149.46
L11	364189.646	5817356.780	151.53
L12	364178.430	5817310.690	156.16
L13	364174.311	5817288.269	158.33
L14	364167.387	5817233.015	163.06

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

CENTRELINE (M)

Point Number	Easting (m)	Northing (m)	FS (m RL)
M1	364134.705	5817234.505	163.09
M2	364158.052	5817232.513	163.23
M3	364172.672	5817232.542	162.85
M4	364178.345	5817231.740	162.83

SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: 19

CENTRELINE (N)

Point Number	Easting (m)	Northing (m)	FS (m RL)
N1	364048.085	5817386.936	149.24
N2	364170.260	5817367.100	150.22
N3	364181.685	5817364.551	150.67
N4	364191.280	5817361.812	151.11

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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www.procivil.com.au

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

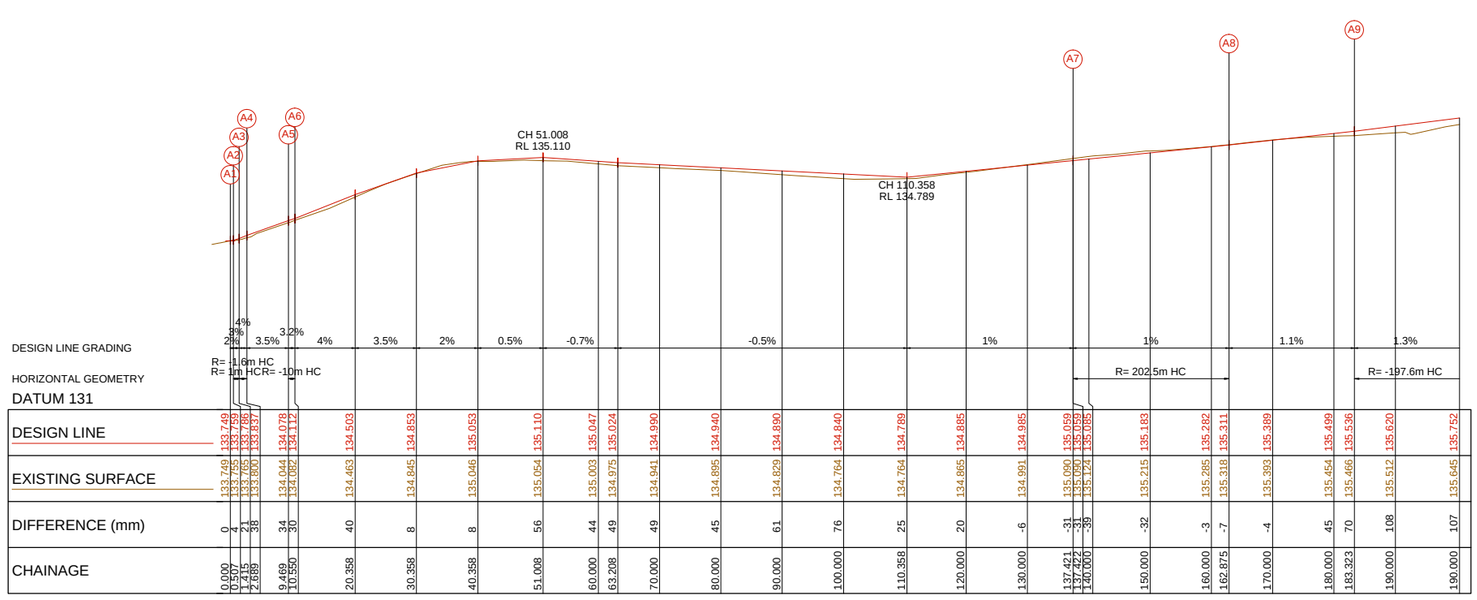
SURVEY SETOUT DETAILS

PROJECT No. PC20005
SHEET No. 25 OF 72
VERSION 09
DWG No. PC20005 - 25 - 09

WARNING

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LONGITUDINAL SECTION - LIP OF KERB 'A'

10 5 0 10 20 — Hor 1:500 @ A1, Hor 1:1,000 @ A3

1 0.5 0 1 2 — Ver 1:50 @ A1, Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
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05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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CIVIL ENGINEERING DESIGN	TECHNICAL PEER REVIEW
KURT CHAMBERLAIN	CHRIS PROCTOR

REGISTERED & CHARTERED PROFESSIONAL ENGINEER

CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1

HEIGHT DATUM: AHD

COORDINATE DATUM: MGA 2020 ZONE 55

SURVEY DATE: 24-02-2021

AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**

CLIENT: Yarra Ranges Council

CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

LONGITUDINAL SECTION - LIP OF KERB 'A'

PROJECT No. PC20005

SHEET No. 26 OF 72

VERSION 09

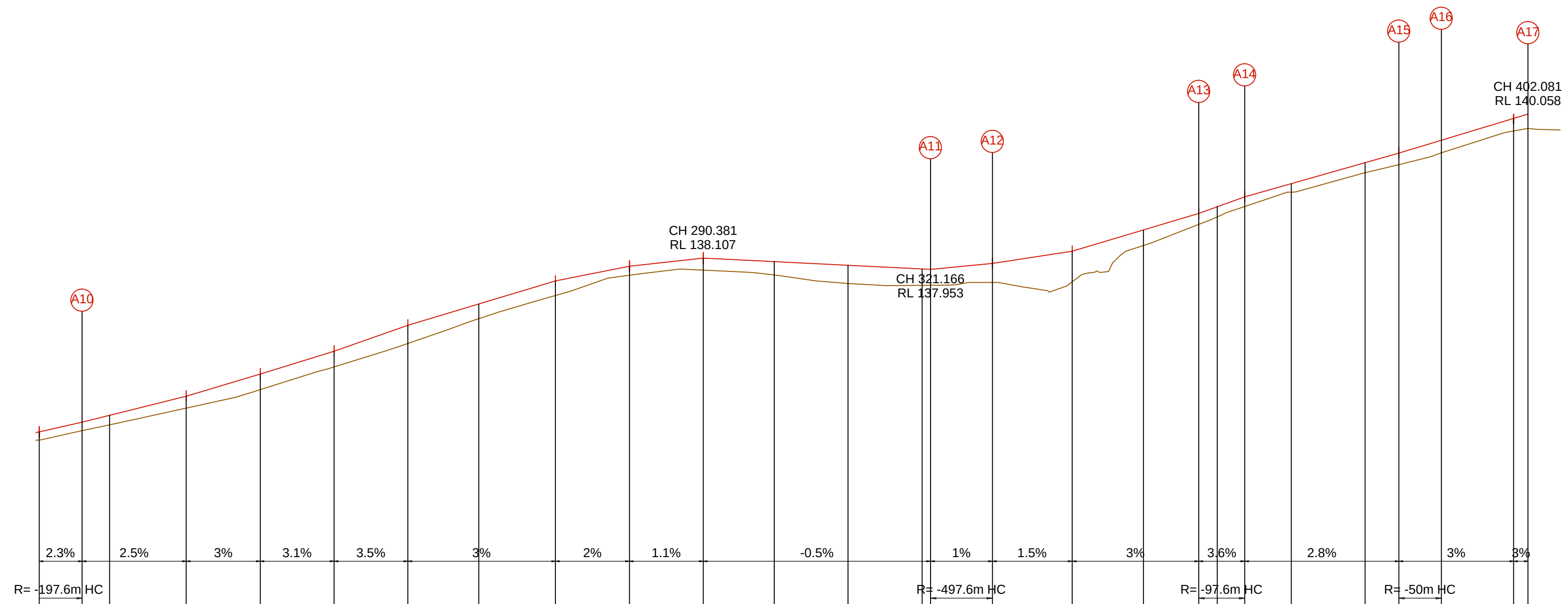
DWG No. PC20005 - 26 - 09

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CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
200.453	135.752	135.645	107
206.277	135.885	135.771	114
210.000	135.978	135.849	129
220.381	136.238	136.075	162
230.381	136.538	136.325	213
240.381	136.847	136.634	213
250.381	137.197	136.952	245
260.000	137.485	137.288	197
270.381	137.797	137.602	195
280.381	137.997	137.874	123
290.381	138.107	137.945	162
300.000	138.059	137.881	178
310.000	138.009	137.765	244
320.000	137.959	137.739	220
321.166	137.953	137.741	213
329.540	138.037	137.779	259
340.340	138.199	137.784	415
350.000	138.489	138.279	210
357.497	138.714	138.566	148
360.000	138.804	138.666	137
363.711	138.937	138.805	132
370.000	139.116	139.000	116
380.000	139.400	139.262	138
384.599	139.531	139.374	158
390.344	139.705	139.533	172
400.137	140.000	139.829	171
402.081	140.058	139.862	196

LONGITUDINAL SECTION - LIP OF KERB 'A'

Scale bar: 10 5 0 10 20 / 1 0.5 0 1 2

Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
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P: (03) 8644 6834
E: info@procivil.com.au
www.procivil.com.au

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

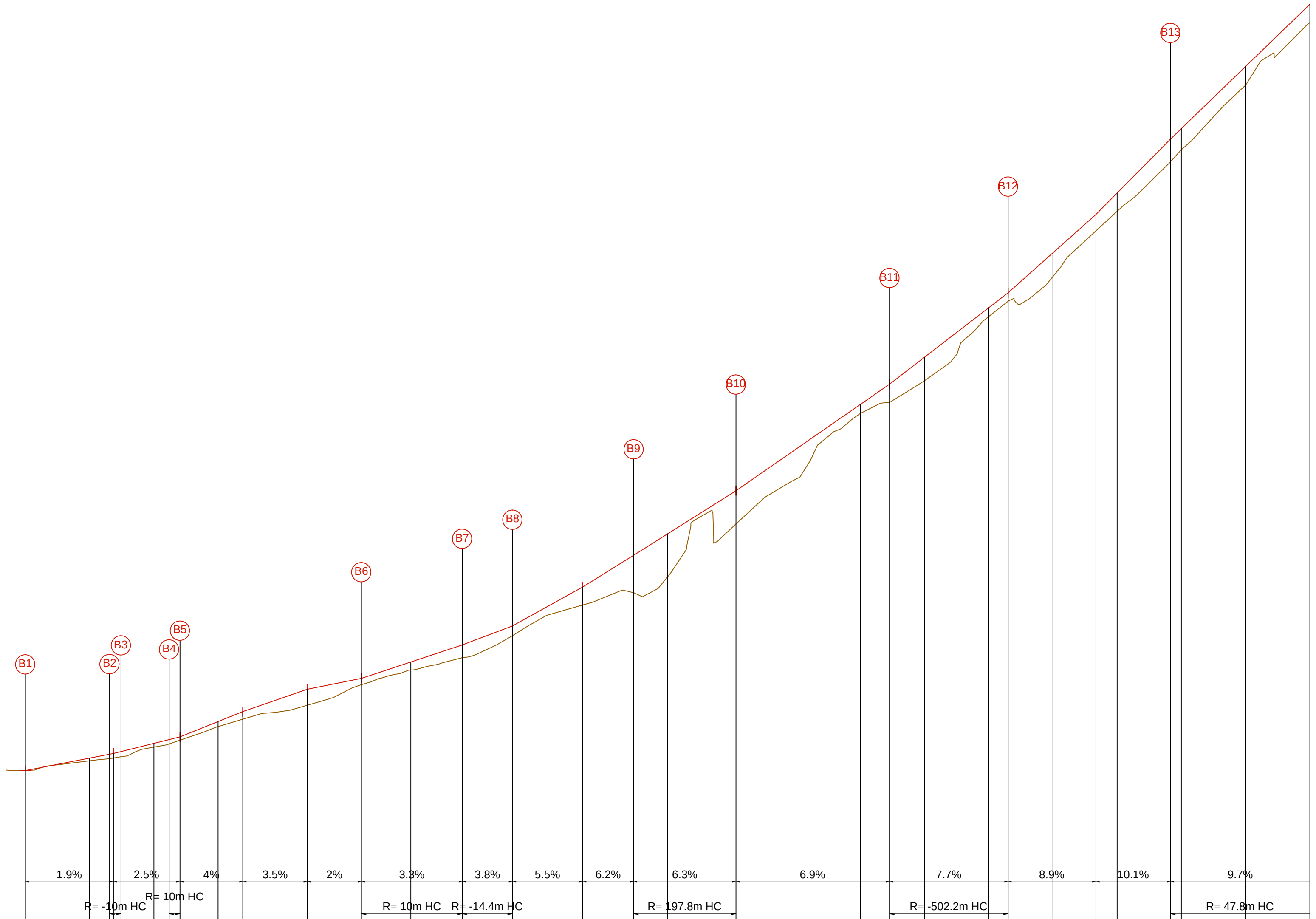
ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD
AND WINIFRED STREET, SEVILLE

LONGITUDINAL SECTION - LIP OF KERB 'A'

PROJECT No. PC20005
SHEET No. 27 OF 72
VERSION 09
DWG No. PC20005 - 27 - 09

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.



DATUM 131

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	133.734	133.734	0
10.000	133.927	133.886	42
13.131	133.988	133.921	67
13.695	133.999	133.928	70
14.876	134.028	133.947	82
20.000	134.157	134.098	59
22.395	134.217	134.147	70
24.074	134.259	134.207	52
30.000	134.495	134.418	77
33.879	134.650	134.533	117
43.879	135.000	134.751	250
52.329	135.169	135.070	99
60.000	135.423	135.297	126
68.037	135.689	135.489	200
75.848	135.987	135.834	153
86.781	136.588	136.309	279
94.715	137.084	136.501	582
100.000	137.418	136.751	667
110.634	138.090	137.570	519
120.000	138.738	138.272	467
130.000	139.431	139.290	141
134.567	139.747	139.464	283
140.000	140.166	139.801	365
150.000	140.938	140.800	138
152.996	141.169	141.038	131
160.000	141.792	141.422	370
166.684	142.387	142.133	254
170.000	142.722	142.439	283
178.302	143.561	143.208	353
180.000	143.725	143.397	328
190.000	144.693	144.405	287
200.000	145.660	145.379	281

LONGITUDINAL SECTION - LIP OF KERB 'B'

10 5 0 10 20
1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

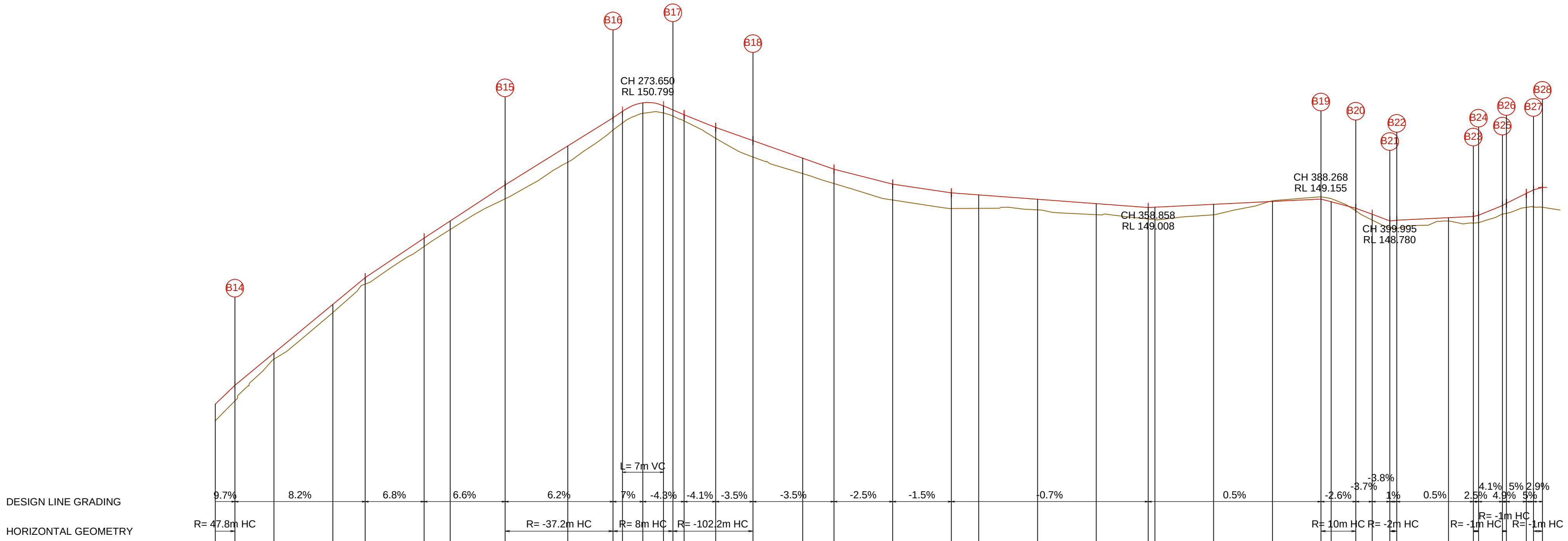
BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

LONGITUDINAL SECTION - LIP OF KERB 'B'

PROJECT No. PC20005
SHEET No. 28 OF 72
VERSION 09
DWG No. PC20005 - 28 - 09

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WARNING
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DATUM 143

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
200.000	145.660	145.379	281
203.342	145.983	145.716	268
210.000	146.533	146.428	105
220.000	147.358	147.219	138
225.532	147.814	147.706	108
235.532	148.489	148.346	143
240.000	148.782	148.637	145
249.347	149.394	149.156	238
260.000	150.056	149.778	278
267.740	150.536	150.329	207
269.321	150.647	150.453	194
272.821	150.793	150.619	174
276.321	150.741	150.627	114
277.901	150.673	150.568	105
279.842	150.589	150.484	104
285.193	150.372	150.189	183
291.554	150.150	149.871	279
300.000	149.851	149.587	264
305.330	149.662	149.417	245
315.330	149.408	149.138	270
325.330	149.258	148.995	263
330.000	149.223	148.997	226
340.000	149.149	148.970	179
350.000	149.074	148.887	187
358.858	149.008	148.815	193
360.000	149.014	148.804	210
370.000	149.064	148.884	180
380.000	149.114	149.124	-10
388.268	149.155	149.191	-36
390.000	149.109	149.161	-52
394.217	148.998	148.953	45
397.000	148.894	148.796	98
399.995	148.780	148.667	112
401.185	148.792	148.656	136
410.000	148.836	148.777	59
414.226	148.857	148.743	114
415.104	148.879	148.753	126
419.154	149.046	148.896	150
419.862	149.080	148.911	169
423.244	149.249	149.010	239
424.444	149.309	149.017	292
425.998	149.354	149.014	340

LONGITUDINAL SECTION - LIP OF KERB 'B'

10 5 0 10 20 — Hor 1:500 @ A1, Hor 1:1,000 @ A3
1 0.5 0 1 2 — Ver 1:50 @ A1, Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
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05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

LONGITUDINAL SECTION - LIP OF KERB 'B'

PROJECT No. PC20005

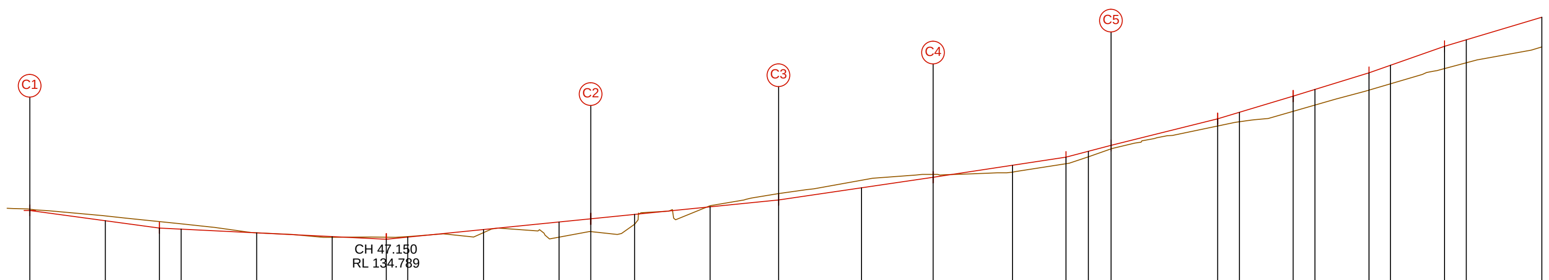
VERSION 09
DWG No. PC20005 - 29 - 09

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DESIGN LINE GRADING: -1.4% | -0.5% | 1% | 1% | 1.5% | 1.5% | 2.6% | 2.5% | 3% | 3.1% | 3.5% | 3%

HORIZONTAL GEOMETRY: R= 197.5m HC | R= -202.4m HC

DATUM 132

DESIGN LINE	135.171	135.036	134.939	134.924	134.874	134.824	134.789	134.817	134.917	135.017	135.059	135.118	135.219	135.311	135.470
EXISTING SURFACE	135.188	135.096	135.022	134.992	134.875	134.816	134.814	134.825	134.876	134.817	134.889	134.989	135.233	135.392	135.568
DIFFERENCE (mm)	-17	-61	-84	-67	-1	9	-26	-8	41	200	170	129	-14	-82	-98
CHAINAGE	0.000	10.000	17.150	20.000	30.000	40.000	47.150	50.000	60.000	70.000	74.214	80.000	90.000	99.052	110.000

DESIGN LINE	135.609	135.768	135.875	135.952	136.032	136.385	136.471	136.685	136.773	136.994	137.094	137.344	137.430	137.730
EXISTING SURFACE	135.648	135.678	135.787	135.881	135.987	136.288	136.345	136.484	136.567	136.764	136.848	137.048	137.126	137.338
DIFFERENCE (mm)	-39	90	87	72	45	97	126	201	206	230	247	295	304	391
CHAINAGE	119.499	130.000	137.054	140.000	143.023	157.126	160.000	167.126	170.000	177.126	180.000	187.126	190.000	200.000

LONGITUDINAL SECTION - LIP OF KERB 'C'

Scale bar: 10 5 0 10 20 / 1 0.5 0 1 2

Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD
AND WINIFRED STREET, SEVILLE

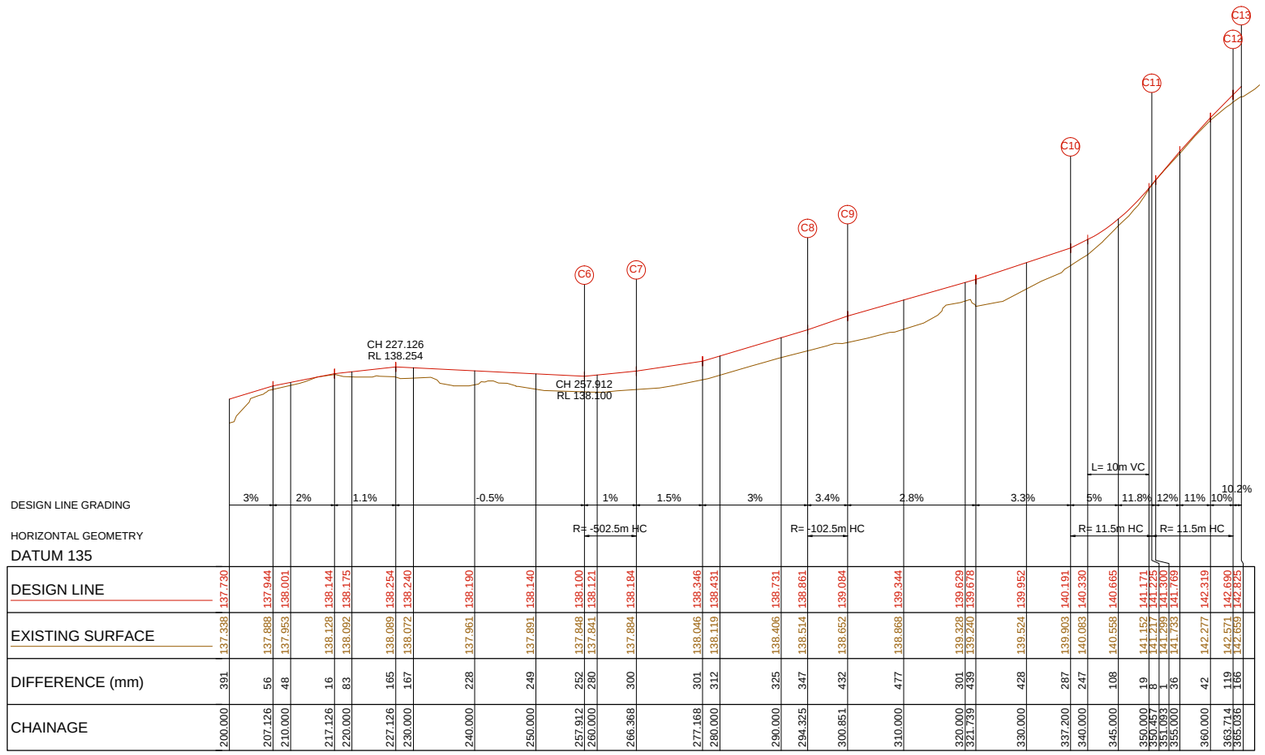
LONGITUDINAL SECTION - LIP OF KERB 'C'

PROJECT No. PC20005
SHEET No. 30 OF 72
VERSION 09
DWG No. PC20005 - 30 - 09

WARNING

BEWARE OF UNDERGROUND SERVICES

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LONGITUDINAL SECTION - LIP OF KERB 'C'

10 5 0 10 20 Hor 1:500 @ A1, Hor 1:1,000 @ A3

1 0.5 0 1 2 Ver 1:50 @ A1, Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
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04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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CIVIL ENGINEERING DESIGN	TECHNICAL PEER REVIEW
KURT CHAMBERLAIN	CHRIS PROCTOR

REGISTERED & CHARTERED PROFESSIONAL ENGINEER

CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1

HEIGHT DATUM: AHD

COORDINATE DATUM: MGA 2020 ZONE 55

SURVEY DATE: 24-02-2021

AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES

CLIENT: Yarra Ranges Council

CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

LONGITUDINAL SECTION - LIP OF KERB 'C'

PROJECT No. PC20005

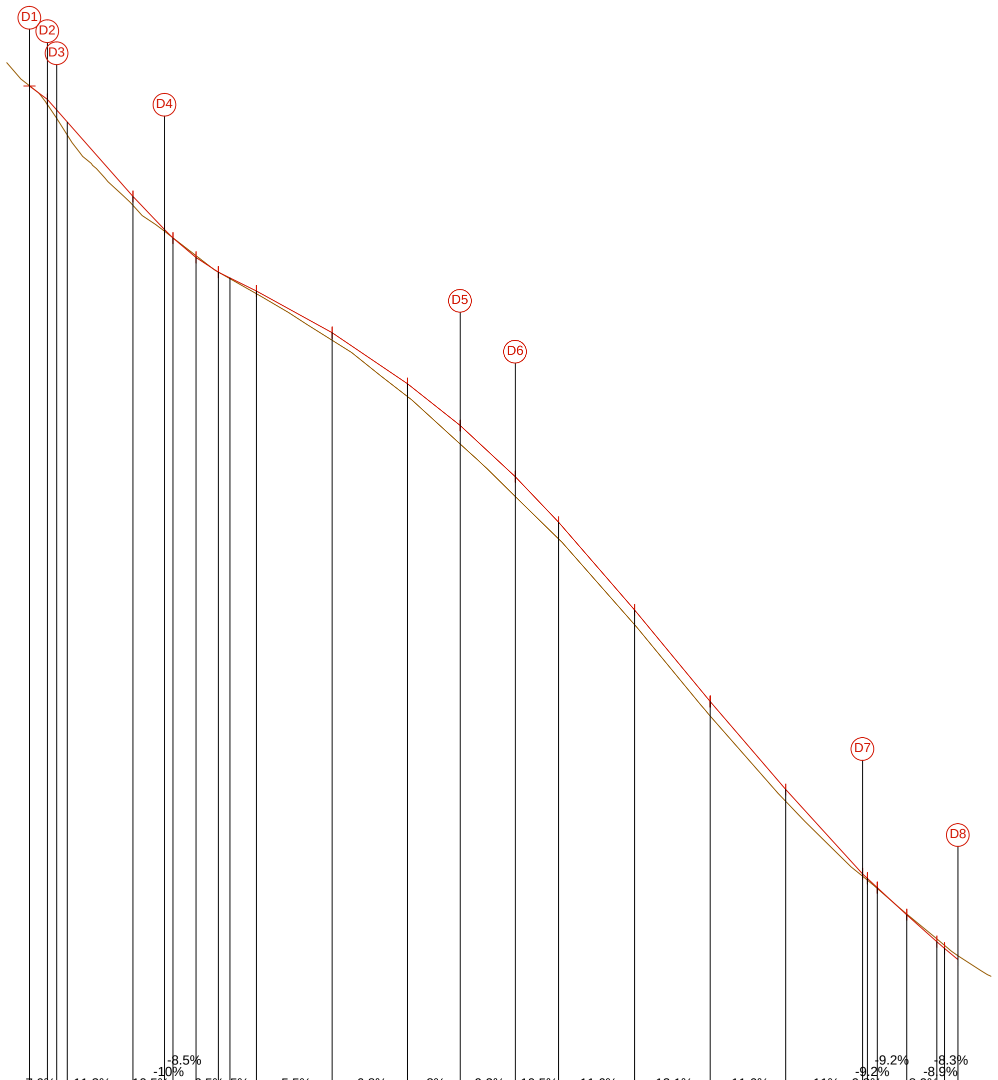
SHEET No. 31 OF 72

VERSION 09

DWG No. PC20005 - 31- 09

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DESIGN LINE GRADING: -7.6% | -11.3% | -10.5% | -10% | -8.5% | -6.5% | -5% | -5.5% | -6.8% | -8% | -9.2% | -10.5% | -11.6% | -12.1% | -11.6% | -11% | -9.8% | -9.2% | -9.2% | -8.9% | -8.9% | -8.3%

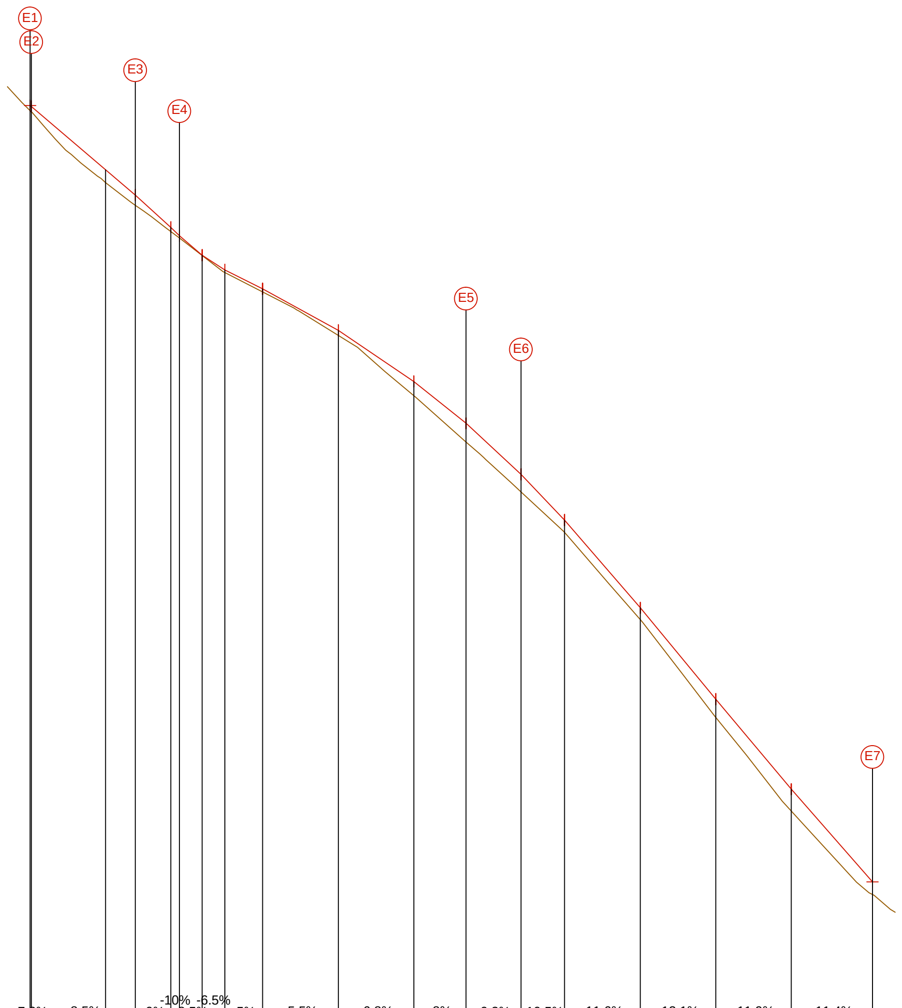
HORIZONTAL GEOMETRY: R= 3m HC | R= 25m HC | R= -502.6m HC | R= -50m HC

DATUM 139

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	153.311	153.311	0
2.356	153.133	153.063	70
3.591	152.993	152.882	111
5.000	152.833	152.669	164
13.682	151.848	151.732	116
17.852	151.410	151.387	23
18.984	151.297	151.300	-3
22.000	151.041	151.068	-27
25.000	150.846	150.847	-2
26.500	150.771	150.761	10
30.000	150.596	150.559	36
40.000	150.046	149.948	98
50.000	149.371	149.198	173
56.922	148.817	148.575	242
64.227	148.141	147.878	264
70.000	147.535	147.312	223
80.000	146.375	146.182	193
90.000	145.165	144.975	190
100.000	144.000	143.847	153
110.165	142.885	142.854	31
110.775	142.825	142.806	20
112.121	142.701	142.691	11
115.994	142.345	142.354	-9
120.000	141.987	142.023	-36
121.000	141.898	141.940	-42
122.793	141.748	141.802	-54

LONGITUDINAL SECTION - LIP OF KERB 'D'

10 5 0 10 20 / 1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3



DESIGN LINE GRADING: -7.6% | -8.5% | -9% | -10% | -8.5% | -6.5% | -5% | -5.5% | -6.8% | -8% | -9.3% | -10.5% | -11.6% | -12.1% | -11.9% | -11.4%

HORIZONTAL GEOMETRY: R= 20m HC | R= -50m HC | R= -500m HC

DATUM 140

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	153.100	153.034	66
0.173	153.087	153.017	70
10.000	152.249	152.080	169
13.922	151.915	151.781	133
18.639	151.489	151.434	54
19.771	151.375	151.347	28
22.787	151.119	151.113	5
25.787	150.924	150.887	36
30.787	150.674	150.630	43
40.787	150.124	150.057	67
50.787	149.449	149.259	189
57.710	148.895	148.647	248
64.976	148.219	147.986	234
70.749	147.613	147.448	165
80.749	146.453	146.296	157
90.749	145.243	144.999	244
100.749	144.052	143.763	289
111.493	142.825	142.659	166

LONGITUDINAL SECTION - LIP OF KERB 'E'

10 5 0 10 20 / 1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
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01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
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LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS
BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

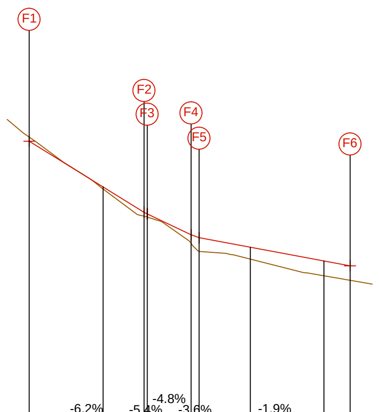
LONGITUDINAL SECTION - LIP OF KERB 'D' & 'E'

PROJECT No. PC20005

VERSION 09
DWG No. PC20005 - 32 - 09

WARNING
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DESIGN LINE GRADING: -6.2% | -5.4% | -4.8% | -3.6% | -1.9%

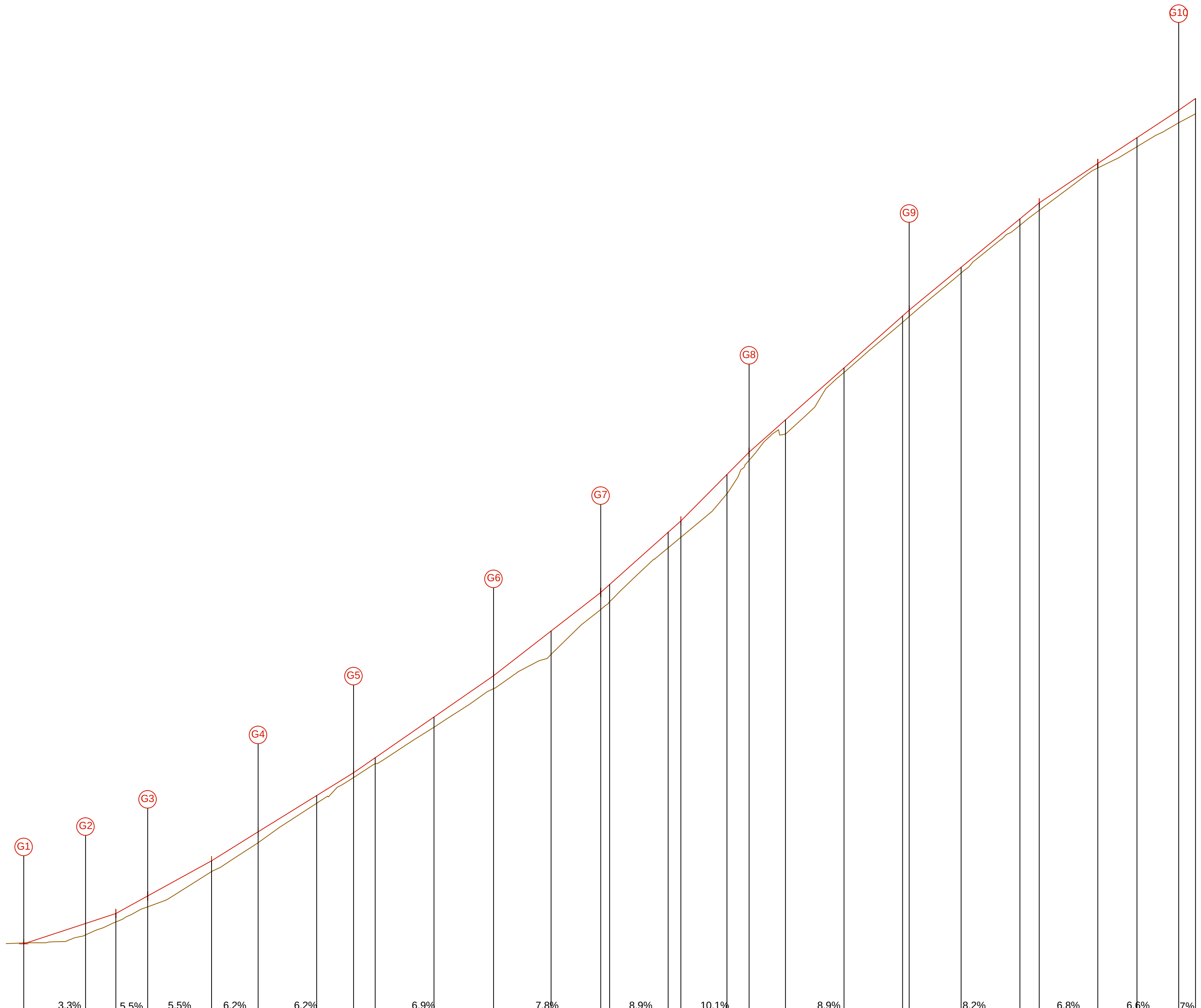
HORIZONTAL GEOMETRY: R= -0.7m HC | R= -0.7m HC

DATUM 137

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	141.748	141.802	-54
10.000	141.130	141.101	29
15.592	140.785	140.732	53
15.997	140.763	140.720	43
21.947	140.479	140.364	115
23.064	140.439	140.254	185
30.000	140.310	140.150	160
40.000	140.124	139.922	202
43.527	140.058	139.862	196

LONGITUDINAL SECTION - LIP OF KERB 'F'

Scale: 10 5 0 10 20 / 1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3



DESIGN LINE GRADING: 3.3% | 5.5% | 5.5% | 6.2% | 6.2% | 6.9% | 7.8% | 8.9% | 10.1% | 8.9% | 8.2% | 6.8% | 6.6% | 7%

HORIZONTAL GEOMETRY: R= -10m HC | R= -10m HC | R= 202.2m HC | R= -497.8m HC | R= 52.2m HC | R= -32.8m HC

DATUM 133

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	135.171	135.188	-17
10.566	135.519	135.325	194
15.708	135.689	135.548	141
21.132	135.987	135.802	185
32.065	136.588	136.404	184
39.999	137.084	136.898	186
50.000	137.702	137.569	133
56.272	138.090	138.011	79
60.000	138.348	138.245	103
70.000	139.040	138.867	173
80.205	139.747	139.525	222
90.000	140.510	140.113	397
98.472	141.169	140.875	294
100.000	141.305	141.010	295
110.000	142.195	141.927	268
112.161	142.387	142.106	281
120.000	143.179	142.852	327
123.778	143.561	143.423	138
130.000	144.112	143.870	242
140.000	144.998	144.922	76
150.000	145.884	145.779	105
151.123	145.983	145.875	108
160.000	146.716	146.619	97
170.000	147.541	147.431	110
173.314	147.814	147.691	123
183.314	148.489	148.412	77
190.000	148.927	148.775	152
197.128	149.394	149.181	213
200.000	149.596	149.337	260

LONGITUDINAL SECTION - LIP OF KERB 'G'

Scale: 10 5 0 10 20 / 1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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E: info@procivil.com.au
www.procivil.com.au

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

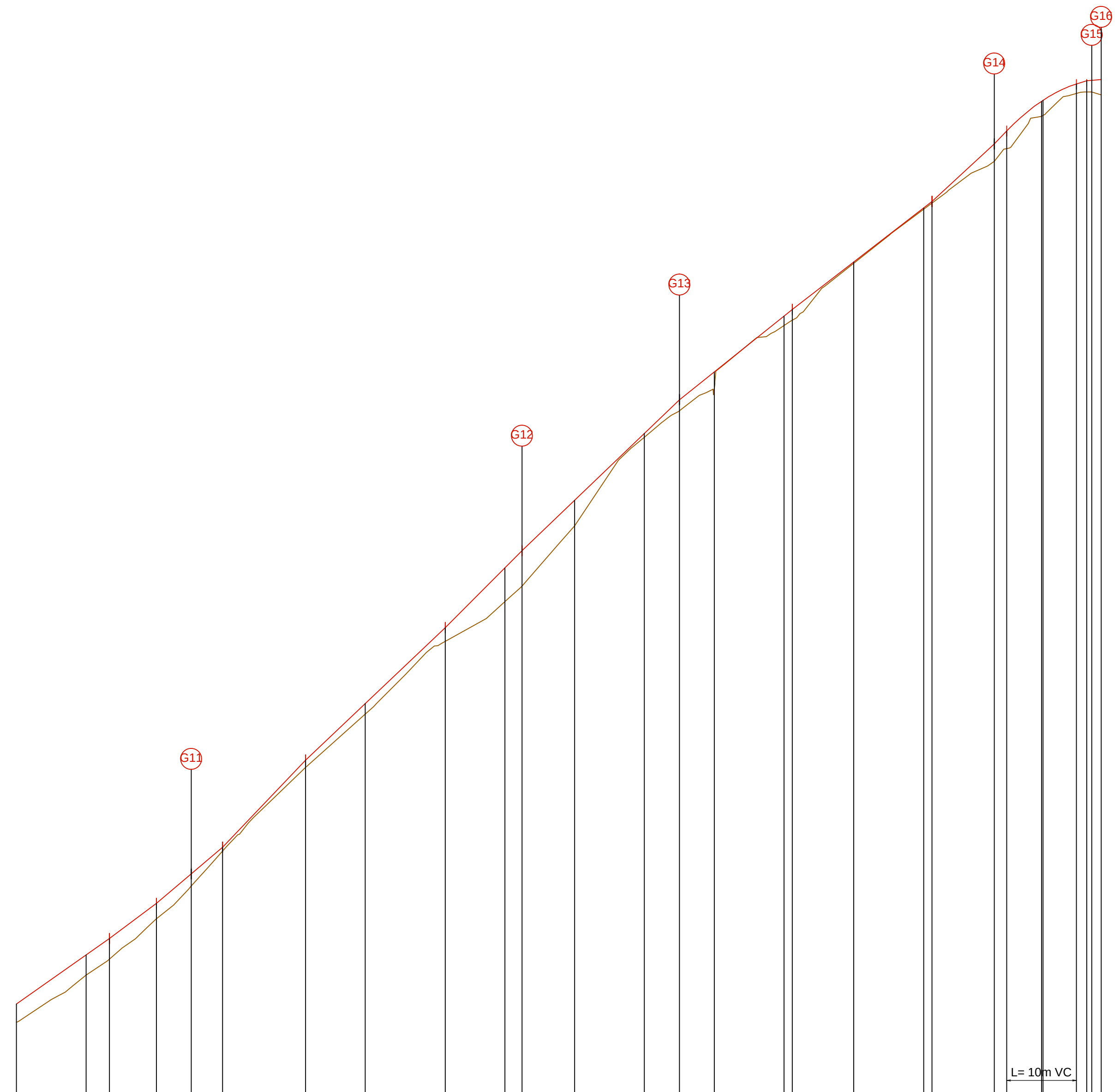
BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

LONGITUDINAL SECTION - LIP OF KERB 'F' & 'G'

PROJECT No. PC20005
SHEET No. 33 OF 72
VERSION 09
DWG No. PC20005 - 33 - 09

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.

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DESIGN LINE GRADING: 7% | 7.5% | 8.5% | 8.5% | 10.5% | 9.5% | 10% | 9.6% | 8% | 7.8% | 9.2% | 10.3% | 3.2% | 0.7%

HORIZONTAL GEOMETRY: R= -32.8m HC | R= -197.8m HC | R= -9m HC

DATUM 147

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
200.000	149.596	149.337	260
210.000	150.301	150.013	287
213.346	150.536	150.253	283
220.076	151.039	150.822	217
225.038	151.463	151.290	173
229.554	151.846	151.791	55
241.441	153.095	152.989	106
250.000	153.908	153.759	149
261.442	154.995	154.798	197
270.000	155.850	155.368	483
272.474	156.098	155.593	504
280.000	156.821	156.455	366
290.000	157.781	157.725	56
295.031	158.264	158.104	160
300.000	158.662	158.421	241
310.000	159.462	159.330	132
311.191	159.557	159.407	150
320.000	160.240	160.223	17
330.000	161.015	160.994	21
331.191	161.107	161.083	25
340.123	161.933	161.684	250
341.908	162.117	161.841	276
346.908	162.544	162.321	224
347.119	162.558	162.335	223
351.908	162.793	162.664	129
353.392	162.840	162.680	161
354.117	162.845	162.676	169
355.459	162.854	162.637	217

LONGITUDINAL SECTION - LIP OF KERB 'G'

Scale: 10 5 0 10 20 / 1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
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02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

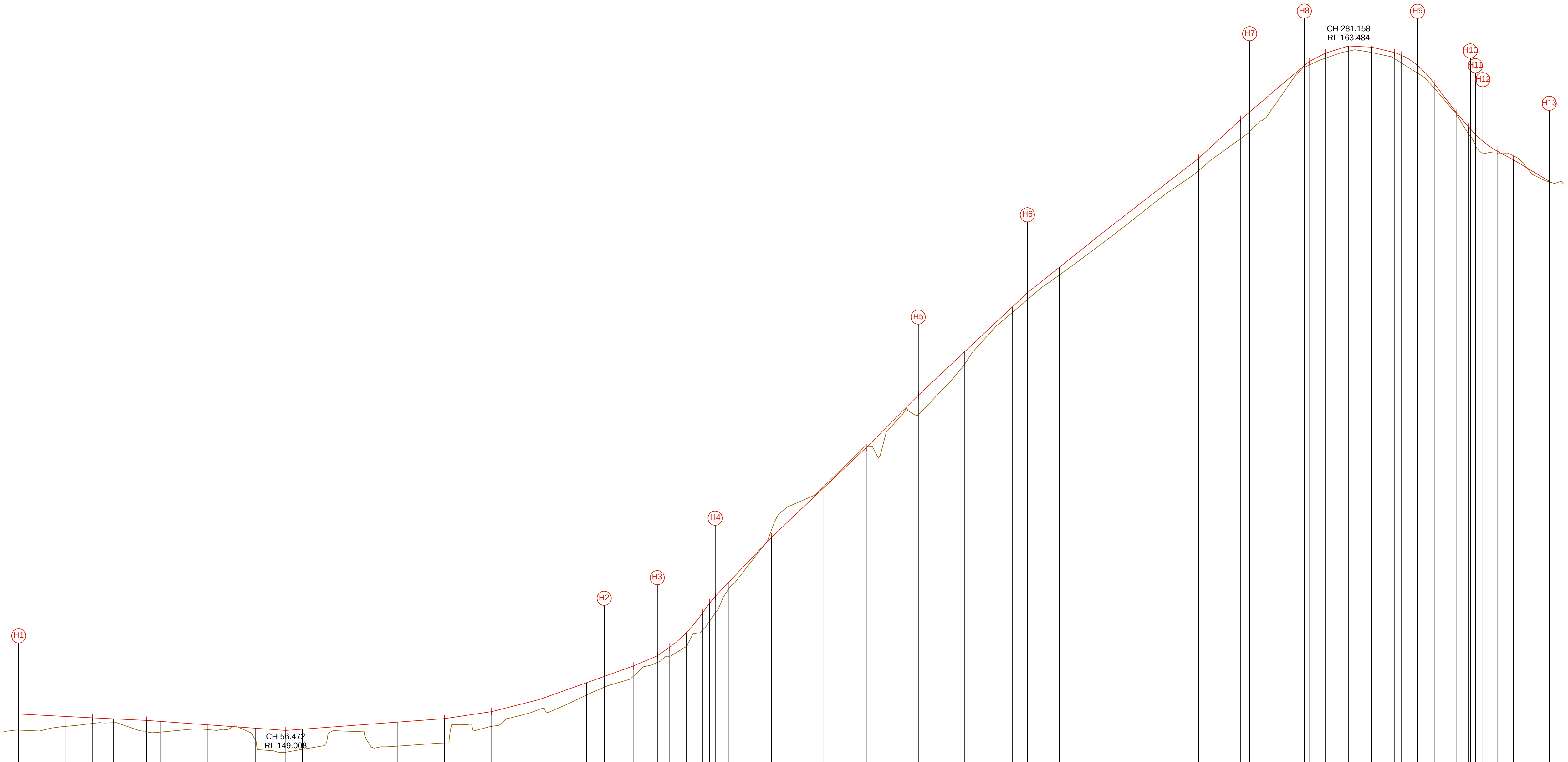
BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

LONGITUDINAL SECTION - LIP OF KERB 'G'

PROJECT No. PC20005
SHEET No. 34 OF 72
VERSION 09
DWG No. PC20005 - 34 - 09

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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.



DESIGN LINE GRADING: -0.5% | -0.5% | -0.7% | 0.7% | 1.5% | 2.5% | 3.5% | 3.6% | 4.2% | 6.9% | 14% | 11.9% | 10.5% | 9.5% | 10% | 9.4% | 8% | 7.8% | 9.2% | 8.5% | 5.1% | 3% | -0.5% | -2.3% | -4.1% | -13.1% | -11.6% | -5.4% | -6%

L= 7m VC | L= 7m VC | L= 6m VC

HORIZONTAL GEOMETRY: R= 97.8m HC | R= 8m HC | R= -202.2m HC | R= 9m HC | R= 50m HC | R= 8m HC | R= -1m HC

DATUM 146

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	149.354	149.014	340
10.000	149.304	149.096	209
15.552	149.277	149.154	122
20.000	149.255	149.170	85
27.062	149.221	148.979	242
30.000	149.200	148.972	228
40.000	149.127	149.025	103
50.000	149.055	148.813	242
56.472	149.008	148.548	460
60.000	149.034	148.608	426
70.000	149.109	148.991	118
80.000	149.183	148.677	507
90.000	149.258	148.743	515
100.000	149.408	149.093	315
110.000	149.662	149.449	213
120.000	150.016	149.756	260
123.776	150.150	149.924	226
129.863	150.372	150.151	221
134.984	150.589	150.446	143
137.620	150.771	150.591	180
141.120	151.076	150.825	251
144.620	151.504	151.134	370
146.000	151.697	151.310	387
147.256	151.846	151.492	355
150.000	152.135	151.993	142
159.143	153.095	153.253	-158
170.000	154.126	154.152	-26
179.143	154.995	155.027	-32
190.175	156.098	155.687	411
200.000	157.021	156.761	260
210.000	157.961	157.847	114
213.235	158.265	158.121	144
220.000	158.806	158.643	163
229.394	159.557	159.340	217
240.000	160.379	160.163	216
249.394	161.107	160.848	259
258.325	161.933	161.527	406
260.231	162.095	161.682	413
271.766	163.071	163.033	38
272.769	163.156	163.083	73
276.303	163.336	163.237	99
281.158	163.484	163.381	103
286.012	163.458	163.346	112
290.866	163.346	163.216	130
292.221	163.291	163.131	160
295.721	163.069	162.912	157
299.221	162.690	162.597	92
304.000	162.064	162.031	32
306.525	161.771	161.613	158
306.882	161.731	161.572	158
307.955	161.616	161.384	233
309.525	161.471	161.220	251
312.525	161.263	161.223	40
316.000	161.075	161.161	-86
323.560	160.622	160.609	13

LONGITUDINAL SECTION - LIP OF KERB 'H'

Scale bar: 10 5 0 10 20 / 1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
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01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

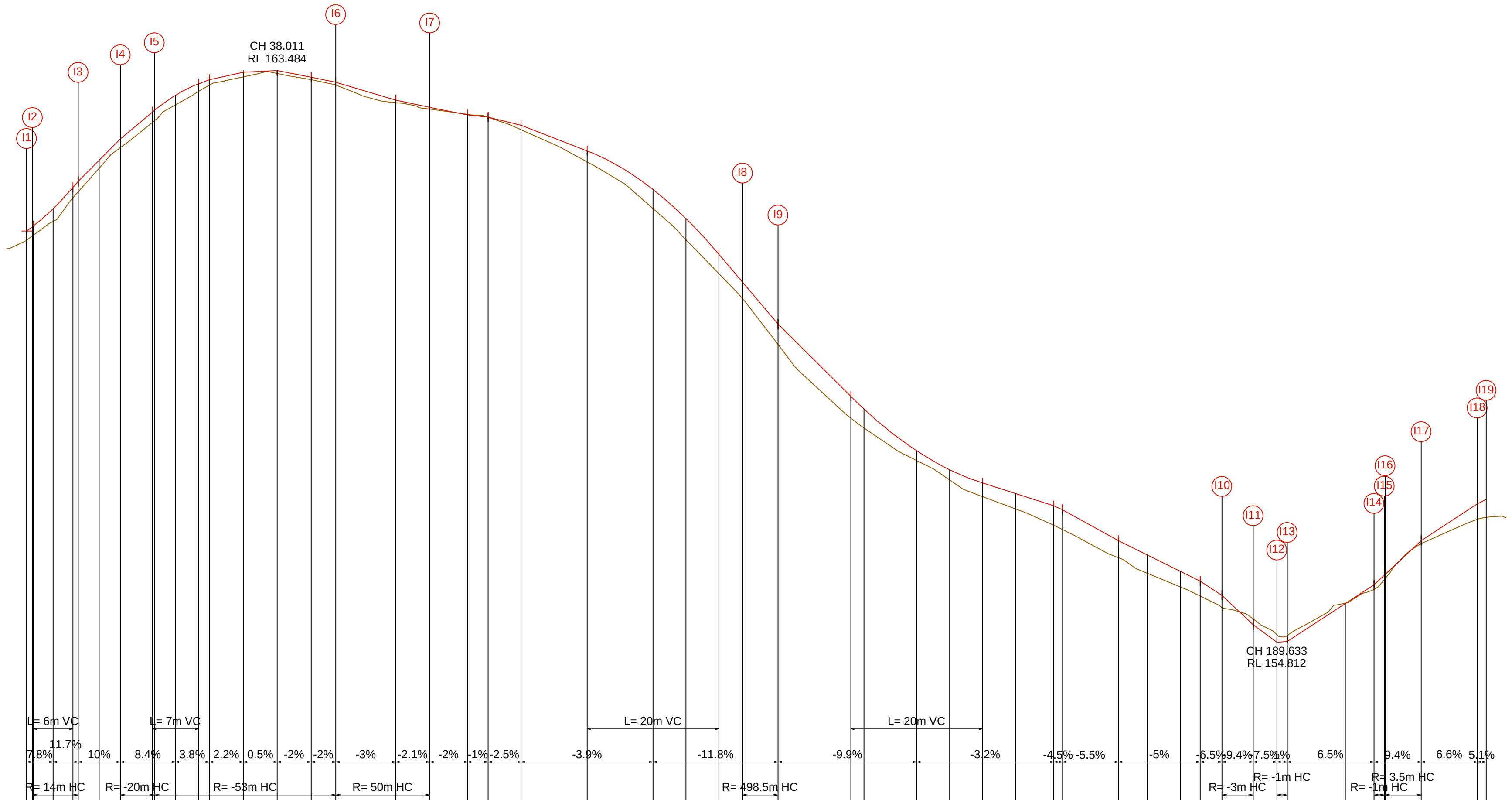
ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

LONGITUDINAL SECTION - LIP OF KERB 'H'

PROJECT No. PC20005
SHEET No. 35 OF 72
VERSION 09
DWG No. PC20005 - 35 - 09

WARNING
BEWARE OF UNDERGROUND SERVICES
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DATUM 152

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	161.049	160.909	140
0.887	161.118	160.978	141
1.000	161.127	160.986	141
4.000	161.389	161.201	188
7.000	161.710	161.555	156
7.803	161.804	161.647	157
11.000	162.124	162.005	119
14.211	162.445	162.315	130
19.074	162.854	162.698	156
19.367	162.878	162.722	156
22.574	163.108	162.954	154
26.074	163.282	163.165	117
27.719	163.346	163.262	84
32.865	163.458	163.385	73
38.011	163.484	163.438	46
43.156	163.381	163.342	39
46.902	163.306	163.265	41
55.991	163.033	162.993	40
61.145	162.927	162.899	29
66.876	162.810	162.819	-9
70.000	162.779	162.774	5
75.000	162.654	162.586	69
85.000	162.267	162.099	168
95.000	161.681	161.391	290
100.000	161.239	160.918	321
105.000	160.698	160.405	294
108.572	160.276	160.024	252
113.967	159.639	159.330	309
125.000	158.543	158.213	331
127.000	158.351	158.066	286
135.000	157.718	157.570	148
140.000	157.432	157.275	157
145.000	157.229	157.024	206
150.000	157.069	156.836	233
155.805	156.883	156.591	292
157.112	156.824	156.526	298
165.612	156.357	156.097	260
170.000	156.139	155.860	279
175.000	155.891	155.654	237
178.000	155.742	155.515	227
181.314	155.526	155.341	185
186.046	155.081	155.169	-88
189.633	154.812	154.928	-116
191.197	154.828	154.910	-82
200.000	155.400	155.406	-6
204.375	155.684	155.613	72
205.946	155.832	155.769	63
206.046	155.841	155.781	61
211.543	156.357	156.311	46
220.043	156.914	156.681	233
221.384	156.982	156.708	274

LONGITUDINAL SECTION - LIP OF KERB 'I'

Scale bar: 10 5 0 10 20 / 1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
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CIVIL ENGINEERING DESIGN: KURT CHAMBERLAIN
TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

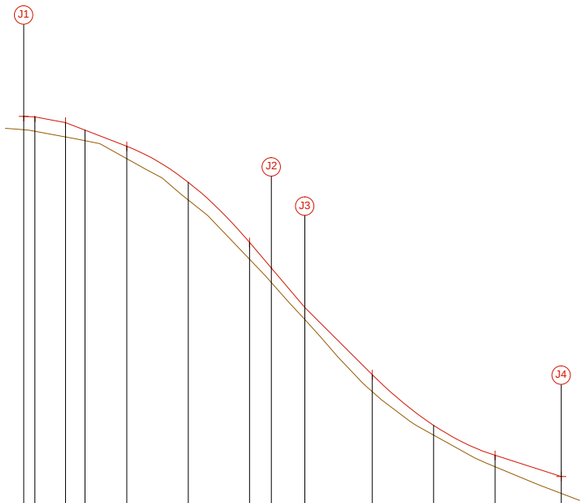
LONGITUDINAL SECTION - LIP OF KERB 'I'

PROJECT No. PC20005
SHEET No. 36 OF 72
VERSION 09
DWG No. PC20005 - 36 - 09

WARNING

BEWARE OF UNDERGROUND SERVICES

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DESIGN LINE GRADING		-0.5%		-1.8%		-3.9%			-11.8%			-9.9%			-3.2%										
HORIZONTAL GEOMETRY																									
DATUM 154																									
DESIGN LINE	162.854	162.845	162.753	162.630	162.366	161.780	160.799	160.378	159.738	158.642	157.817	157.328	156.982												
EXISTING SURFACE	162.637	162.612	162.520	162.459	162.164	161.493	160.527	160.145	159.544	158.366	157.657	157.143	156.708												
DIFFERENCE (mm)	217	234	233	171	201	288	273	233	195	276	161	185	274												
CHAINAGE	0.000	1.816	6.816	10.000	16.816	26.816	36.816	40.388	45.818	56.852	66.852	76.852	87.656												

LONGITUDINAL SECTION - LIP OF KERB 'J'

10 5 0 10 20 Hor 1:500 @ A1, Hor 1:1,000 @ A3

1 0.5 0 1 2 Ver 1:50 @ A1, Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
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CIVIL ENGINEERING DESIGN	TECHNICAL PEER REVIEW
KURT CHAMBERLAIN	CHRIS PROCTOR

REGISTERED & CHARTERED PROFESSIONAL ENGINEER
CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1

HEIGHT DATUM: AHD

COORDINATE DATUM: MGA 2020 ZONE 55

SURVEY DATE: 24-02-2021

AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**

CLIENT: Yarra Ranges Council

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FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

LONGITUDINAL SECTION - LIP OF KERB 'J'

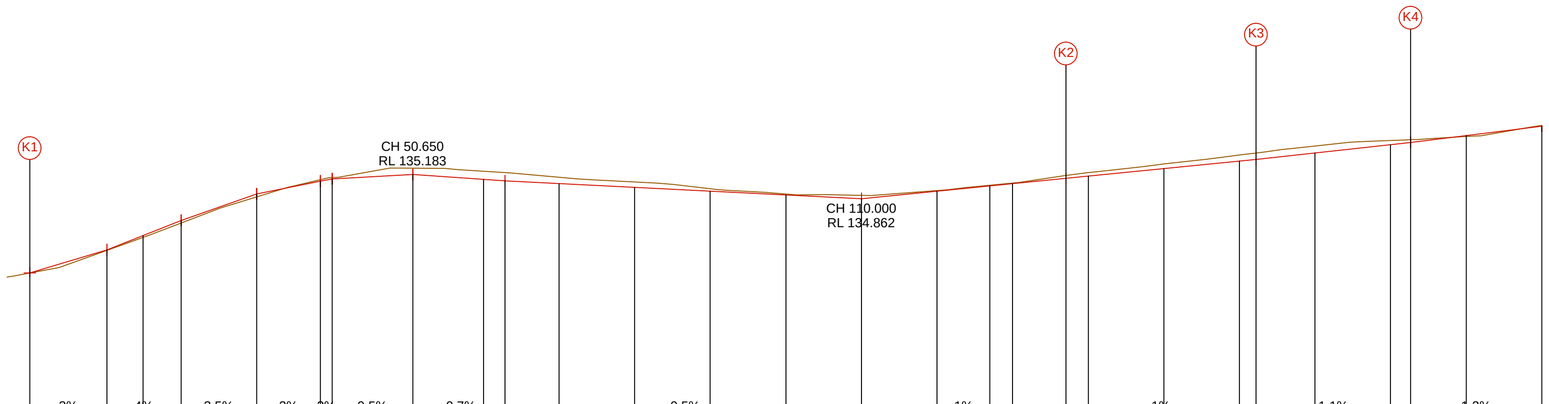
PROJECT No. PC20005

SHEET No. 37 OF 72

VERSION 09

DWG No. PC20005 - 37 - 09

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.



DESIGN LINE GRADING: 3% | 4% | 3.5% | 2% | 2% | 0.5% | -0.7% | -0.5% | 1% | 1% | 1.1% | 1.2%

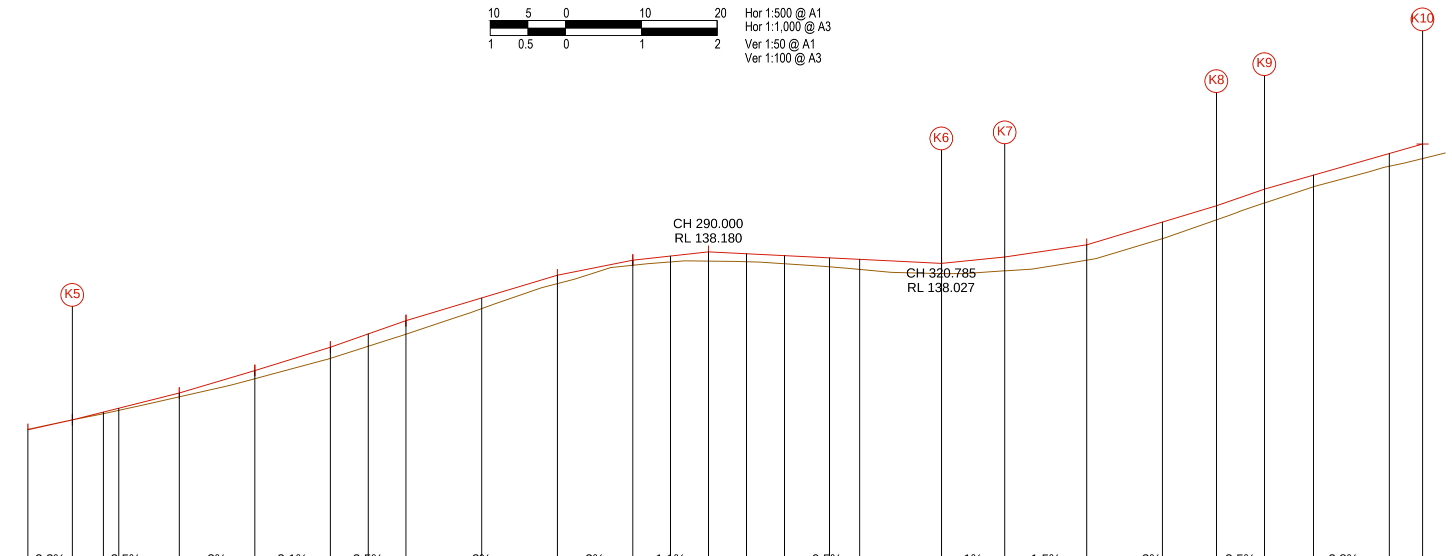
HORIZONTAL GEOMETRY: R= 200m HC | R= -200m HC

DATUM 131

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	133.880	133.880	0
10.192	134.185	134.179	6
15.000	134.377	134.352	25
20.000	134.577	134.541	36
30.000	134.927	134.888	39
38.450	135.096	135.114	-18
40.000	135.127	135.143	-16
50.650	135.183	135.269	-86
60.000	135.118	135.227	-110
62.850	135.098	135.208	-110
70.000	135.062	135.147	-85
80.000	135.012	135.085	-73
90.000	134.962	134.996	-34
100.000	134.912	134.925	-13
110.000	134.862	134.908	-46
120.000	134.962	134.973	-11
127.000	135.032	135.042	-10
130.000	135.062	135.072	-9
137.064	135.133	135.171	-38
140.000	135.162	135.209	-47
150.000	135.262	135.323	-61
160.000	135.362	135.442	-80
162.210	135.384	135.470	-86
170.000	135.470	135.561	-92
180.000	135.580	135.636	-56
182.658	135.609	135.645	-36
190.000	135.701	135.688	13
200.000	135.826	135.833	-7

LONGITUDINAL SECTION - BELL STREET - CENTRELINE 'K'

Scale bar: 10 5 0 10 20 / 1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3



DESIGN LINE GRADING: 2.3% | 2.5% | 3% | 3.1% | 3.5% | 3% | 2% | 1.1% | -0.5% | 1% | 1.5% | 3% | 3.5% | 2.8%

HORIZONTAL GEOMETRY: R= -200m HC | R= -500m HC | R= -100m HC

DATUM 133

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
200.000	135.826	135.833	-7
205.897	135.958	135.957	1
210.000	136.061	136.039	22
212.000	136.111	136.083	28
220.000	136.311	136.262	49
230.000	136.611	136.501	110
240.000	136.920	136.772	148
245.000	137.095	136.932	163
250.000	137.270	137.092	178
260.000	137.570	137.431	139
270.000	137.870	137.760	110
280.000	138.070	138.002	68
285.000	138.125	138.047	78
290.000	138.180	138.059	122
295.000	138.156	138.051	105
300.000	138.131	138.024	107
306.000	138.101	137.982	118
310.000	138.081	137.947	133
320.785	138.027	137.892	135
329.200	138.111	137.929	181
340.000	138.273	138.070	203
350.000	138.573	138.352	220
357.157	138.787	138.605	183
363.527	139.010	138.828	182
370.000	139.195	139.040	155
380.000	139.479	139.312	167
384.415	139.605	139.415	190

LONGITUDINAL SECTION - BELL STREET - CENTRELINE 'K'

Scale bar: 10 5 0 10 20 / 1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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PO BOX 164, RINGWOOD VIC 3134
P: (03) 8644 6834
E: info@procivil.com.au
www.procivil.com.au

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

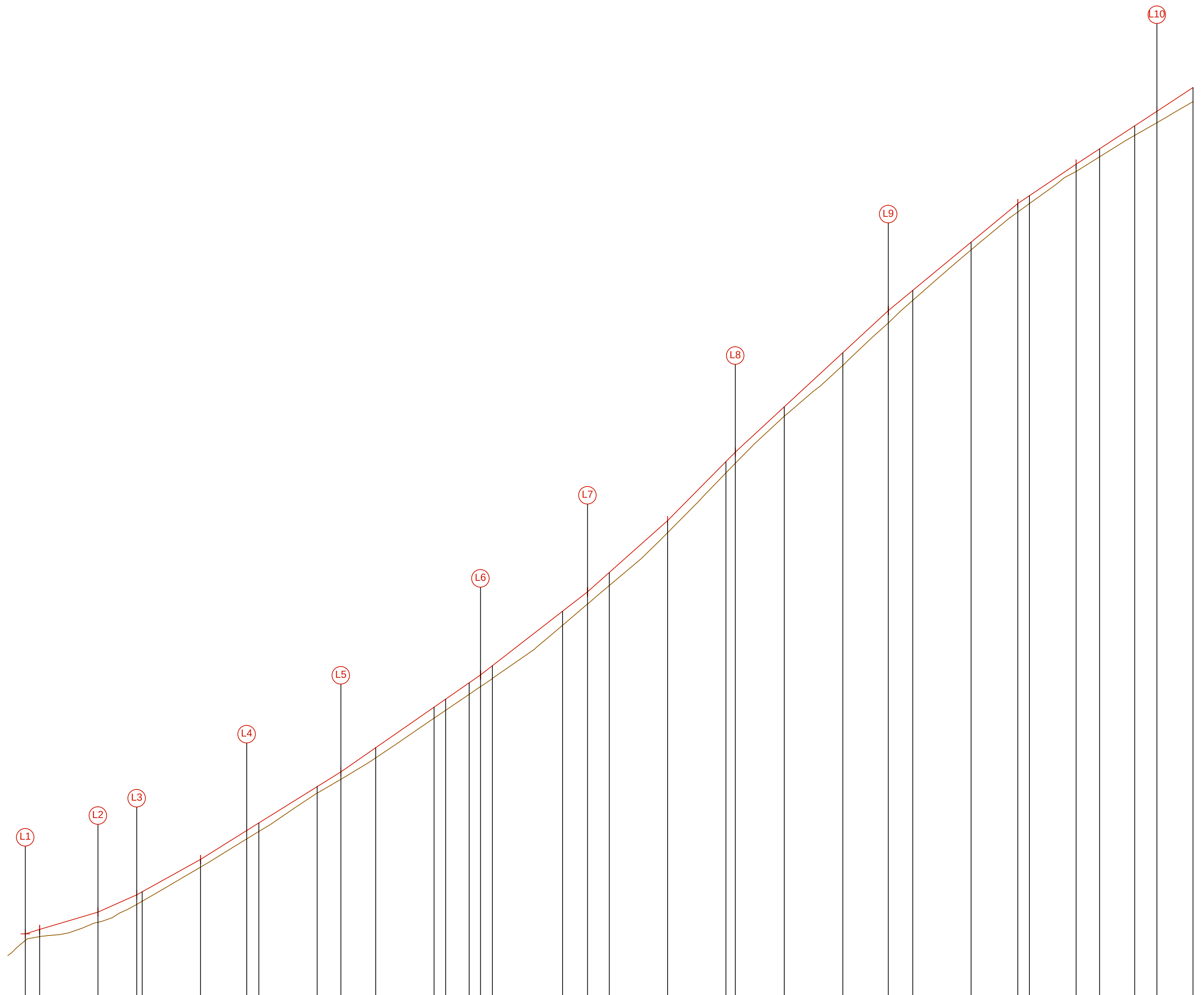
BELL STREET, PAYNES ROAD, READ ROAD
AND WINIFRED STREET, SEVILLE

LONGITUDINAL SECTION - BELL STREET - CENTRELINE 'K'

PROJECT No. PC20005
SHEET No. 38 OF 72
VERSION 09
DWG No. PC20005 - 38 - 09

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DESIGN LINE GRADING: 3% | 3% | 4.5% | 5.5% | 6.2% | 6.2% | 6.9% | 7.8% | 8.9% | 10.1% | 9.2% | 8.2% | 6.8% | 6.6% | 6.6%

HORIZONTAL GEOMETRY: R= -12.2m HC | R= 200m HC | R= -500m HC | R= 50m HC | R= -35m HC

DATUM 133

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	135.383	135.269	114
2.450	135.457	135.336	121
12.450	135.755	135.579	176
19.067	136.053	135.886	167
20.000	136.104	135.940	164
30.000	136.654	136.523	131
37.934	137.150	137.008	142
40.000	137.279	137.135	144
50.000	137.904	137.792	112
54.031	138.156	138.025	130
60.000	138.569	138.392	177
70.000	139.262	139.072	190
72.000	139.400	139.207	193
76.000	139.677	139.478	199
77.963	139.813	139.613	200
80.000	139.971	139.753	218
92.000	140.901	140.663	238
96.311	141.235	141.026	209
100.000	141.563	141.341	223
110.000	142.453	142.246	207
120.000	143.463	143.269	194
121.617	143.627	143.436	191
130.000	144.402	144.240	162
140.000	145.327	145.110	217
147.810	146.049	145.838	211
152.000	146.395	146.225	170
162.000	147.220	147.088	132
170.000	147.880	147.737	143
172.000	148.015	147.884	131
180.000	148.555	148.431	124
184.000	148.817	148.680	137
190.000	149.210	149.048	162
193.815	149.460	149.265	195
200.000	149.868	149.624	244

LONGITUDINAL SECTION - READ ROAD - CENTRELINE 'L'

Scale bar: 10 5 0 10 20 / 1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
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01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

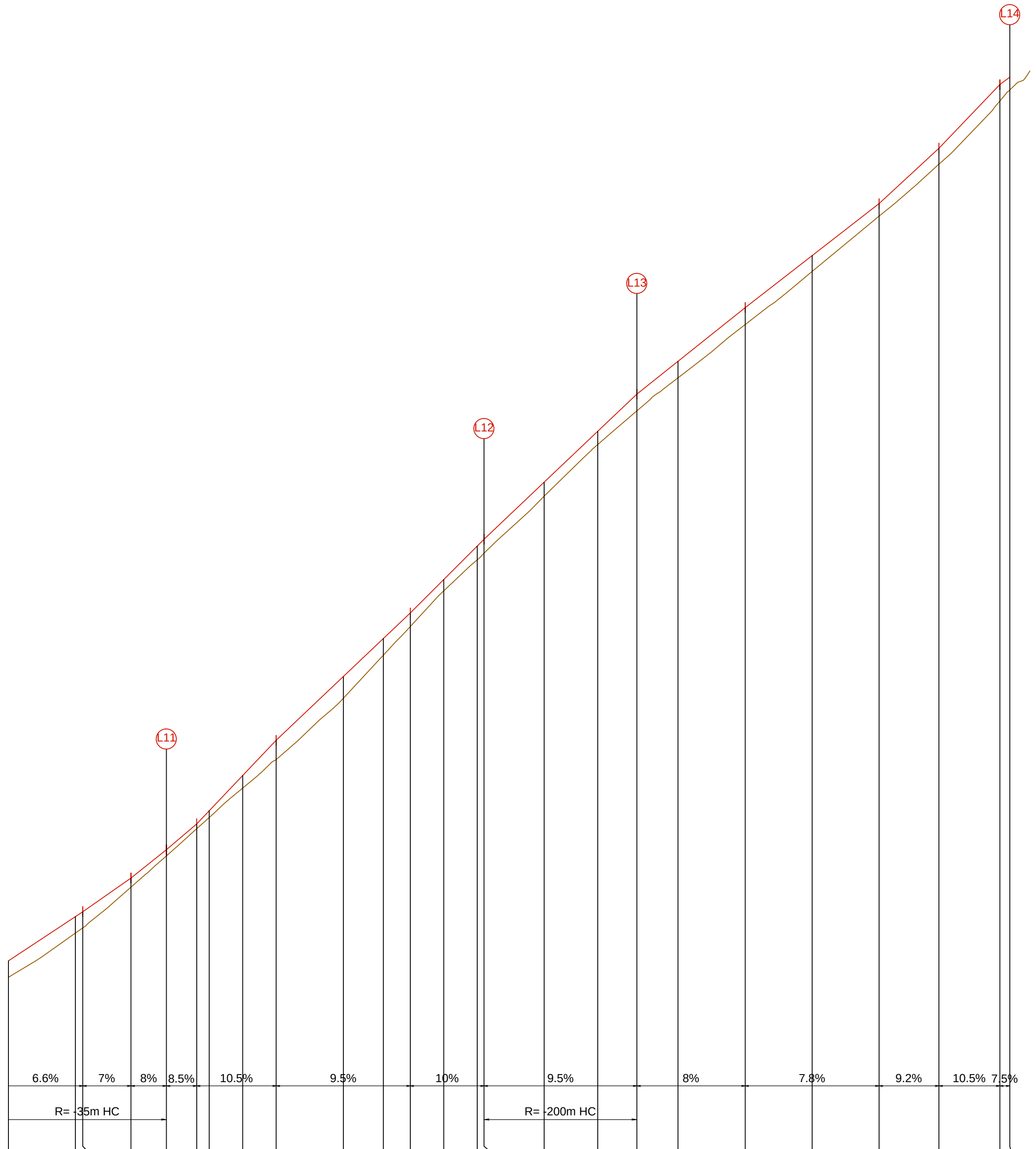
ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

LONGITUDINAL SECTION - READ ROAD - CENTRELINE 'L'

PROJECT No. PC20005
SHEET No. 39 OF 72
VERSION 09
DWG No. PC20005 - 39 - 09





DESIGN LINE GRADING: 6.6% | 7% | 8% | 8.5% | 10.5% | 9.5% | 10% | 9.5% | 8% | 7.8% | 9.2% | 10.5% | 7.5%

HORIZONTAL GEOMETRY: R= -35m HC | R= -200m HC

DATUM 147

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
200.000	149.868	149.624	244
210.000	150.528	150.283	246
211.120	150.602	150.363	240
218.302	151.105	150.971	134
223.597	151.529	151.436	93
228.113	151.912	151.840	73
230.000	152.111	152.009	102
235.000	152.636	152.450	186
240.000	153.161	152.876	285
250.000	154.111	153.787	324
256.000	154.681	154.435	246
260.000	155.061	154.860	201
265.000	155.561	155.392	168
270.000	156.061	155.857	203
271.032	156.164	155.954	210
280.000	157.016	156.806	210
288.000	157.776	157.580	195
293.841	158.331	158.080	250
300.000	158.823	158.575	248
310.000	159.623	159.368	256
320.000	160.398	160.161	238
330.000	161.173	160.986	187
338.931	161.999	161.764	235
348.029	162.951	162.705	246
349.529	163.063	162.873	190

LONGITUDINAL SECTION - READ ROAD - CENTRELINE 'L'

10 5 0 10 20
1 0.5 0 1 2
Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
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ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD
AND WINIFRED STREET, SEVILLE

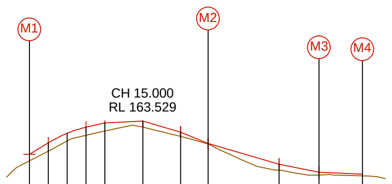
LONGITUDINAL SECTION - READ ROAD - CENTRELINE 'L'

PROJECT No.: PC20005
SHEET No.: 40 OF 72
VERSION: 09
DWG No.: PC20005 - 40 - 09

WARNING

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DESIGN LINE GRADING: L= 5m VC; 6%; 2.3%; 0.5%; -3%; -4.1%; -2.9%; -2%; -0.5%

HORIZONTAL GEOMETRY: R= -51.5m HC; R= 51.5m HC

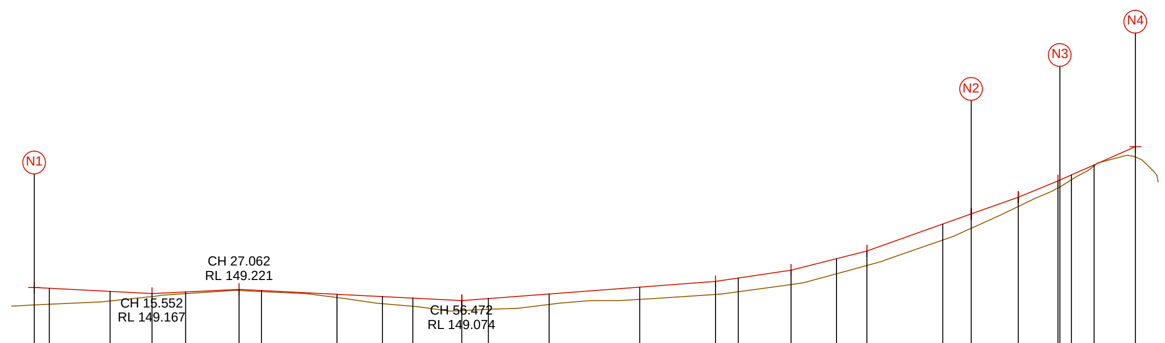
DATUM 160

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	163.089	163.003	85
2.500	163.240	163.135	105
5.000	163.367	163.265	102
7.500	163.447	163.342	105
10.000	163.503	163.400	103
15.000	163.529	163.448	81
20.000	163.381	163.327	54
23.640	163.231	163.223	8
33.001	162.958	162.873	85
38.310	162.852	162.815	37
44.041	162.825	162.804	22

LONGITUDINAL SECTION - PAYNES ROAD - CENTRELINE 'M'

10 5 0 10 20 / 1 0.5 0 1 2

Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3



DESIGN LINE GRADING: -0.5%; 0.5%; -0.5%; 0.7%; 1.5%; 2.5%; 3.5%; 3.6%; 4.1%; 4.4%

HORIZONTAL GEOMETRY: R= 100m HC

DATUM 146

CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	149.244	149.016	229
2.000	149.234	149.026	209
10.000	149.194	149.068	126
15.552	149.167	149.128	39
20.000	149.188	149.165	23
27.062	149.221	149.207	14
30.000	149.206	149.193	13
40.000	149.156	149.112	44
46.000	149.126	149.033	94
50.000	149.106	148.996	110
56.472	149.074	148.939	135
60.000	149.100	148.956	144
68.000	149.160	149.022	138
80.000	149.249	149.089	160
90.000	149.324	149.153	171
93.000	149.369	149.188	181
100.000	149.474	149.284	190
106.000	149.626	149.427	200
110.000	149.728	149.537	191
120.000	150.082	149.872	210
123.776	150.216	150.026	190
130.000	150.438	150.316	122
135.236	150.655	150.560	95
135.488	150.666	150.574	92
137.000	150.733	150.666	66
140.000	150.865	150.852	12
145.468	151.105	150.971	134

LONGITUDINAL SECTION - WINIFRED STREET - CENTRELINE 'N'

10 5 0 10 20 / 1 0.5 0 1 2

Hor 1:500 @ A1
Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
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REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**

CLIENT: Yarra Ranges Council

CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

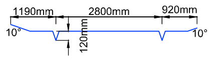
LONGITUDINAL SECTION - PAYNES ROAD & WINIFRED STREET - CENTRELINE 'M' & 'N'

PROJECT No. PC20005

SHEET No. 41 OF 72

VERSION 09

DWG No. PC20005 - 41- 09

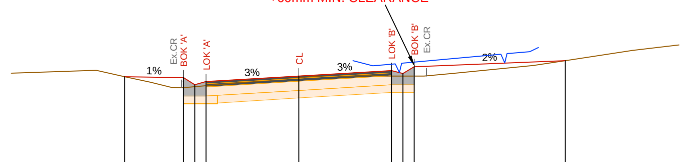


AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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PROPOSED CROSS OVER
+60mm MIN. CLEARANCE

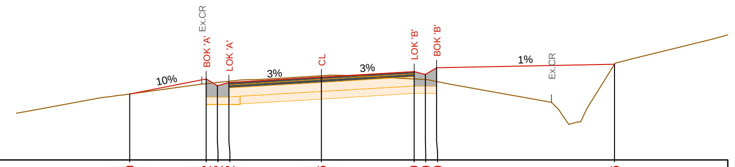


DATUM 133.0

DESIGN SURFACE	134.369	134.354	134.264	134.304	134.377	134.451	134.411	134.501	134.580
DIFFERENCE (mm)	0	127	27	54	25	75	34	124	0
EXISTING SURFACE	134.369	134.226	134.236	134.250	134.352	134.376	134.376	134.377	134.580
OFFSET	-4.601	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	7.050

CH 15.000

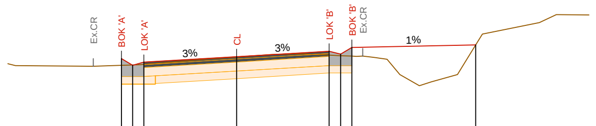
VEHICLE CROSSOVER AT No. 10 OF BELL STREET



DATUM 134.0

DESIGN SURFACE	134.870	135.072	134.982	135.022	135.096	135.169	135.129	135.219	135.266
DIFFERENCE (mm)	-0	64	-42	-17	-18	99	67	182	-0
EXISTING SURFACE	134.870	135.008	135.024	135.040	135.114	135.070	135.063	135.037	135.266
OFFSET	-5.072	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	7.752

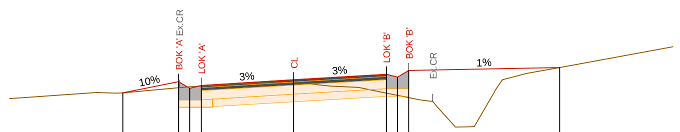
CH 38.450



DATUM 133.0

DESIGN SURFACE	134.162	134.072	134.112	134.185	134.259	134.219	134.309	134.342
DIFFERENCE (mm)	91	-3	30	6	52	19	115	0
EXISTING SURFACE	134.071	134.075	134.082	134.179	134.206	134.200	134.194	134.342
OFFSET	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	6.323

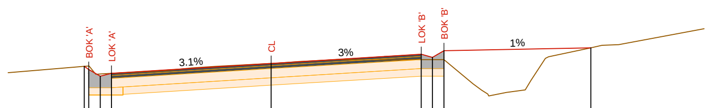
CH 10.192



DATUM 134.0

DESIGN SURFACE	134.756	134.903	134.813	134.853	134.927	135.000	134.960	135.050	135.090
DIFFERENCE (mm)	-0	80	-21	8	39	250	240	361	-0
EXISTING SURFACE	134.756	134.824	134.834	134.845	134.888	134.751	134.720	134.690	135.090
OFFSET	-4.520	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	7.040

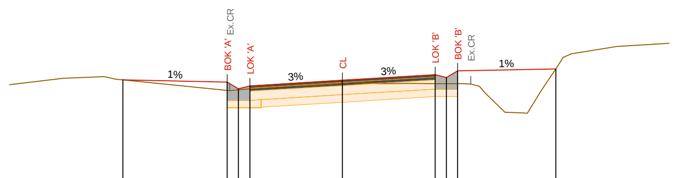
CH 30.000



DATUM 133.0

DESIGN SURFACE	133.840	133.799	133.709	133.749	133.880	134.000	133.960	134.050	134.089
DIFFERENCE (mm)	0	-45	-31	-0	0	71	29	119	0
EXISTING SURFACE	133.840	133.844	133.740	133.749	133.880	133.929	133.931	133.931	134.089
OFFSET	-4.942	-4.820	-4.520	-4.220	0.000	3.972	4.273	4.573	8.460

CH 0.000



DATUM 133.0

DESIGN SURFACE	134.581	134.553	134.463	134.503	134.577	134.650	134.610	134.700	134.726
DIFFERENCE (mm)	0	110	13	40	36	117	79	170	0
EXISTING SURFACE	134.581	134.443	134.450	134.463	134.541	134.533	134.532	134.530	134.726
OFFSET	-5.810	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	5.642

CH 20.000

CROSS-SECTIONS - BELL STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'K'

2 1 0 2 4 — Hor 1:100 @ A1, Hor 1:200 @ A3
1 0.5 0 1 2 — Ver 1:50 @ A1, Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
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01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE	AS SHOWN @ A1
HEIGHT DATUM	AHD
COORDINATE DATUM	MGA 2020 ZONE 55
SURVEY DATE	24-02-2021
AERIAL IMAGE DATE	12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

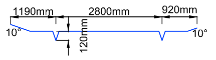
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 0.000 K - CH 38.450 K

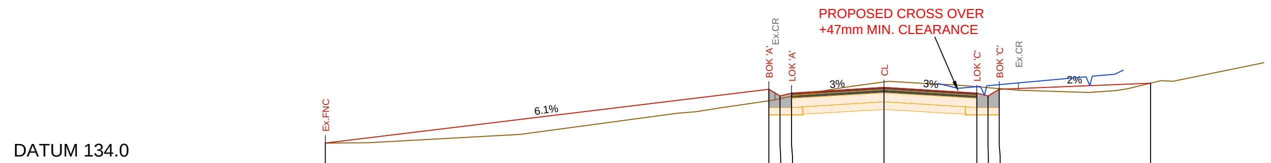
PROJECT No.	PC20005
SHEET No.	42 OF 72
VERSION	09
DWG No.	PC20005 - 42 - 09



AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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.

PROPOSED CROSS OVER
+47mm MIN. CLEARANCE

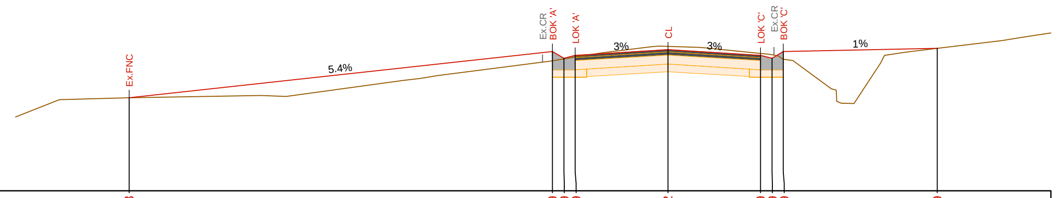


DATUM 134.0

DESIGN SURFACE	134.278	134.989	134.899	134.939	135.012	134.939	134.899	134.989	135.071
DIFFERENCE (mm)	-0	151	35	46	-73	-84	-112	-9	0
EXISTING SURFACE	134.278	134.838	134.864	134.893	135.085	135.022	135.010	134.998	135.071
OFFSET	-14.782	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	7.050

CH 80.000

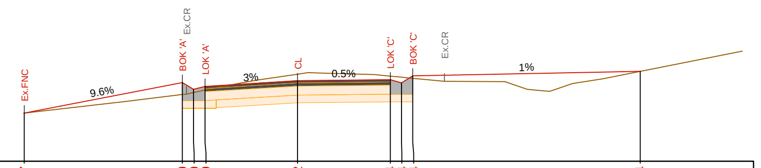
VEHICLE CROSSOVER AT No. 12 OF BELL STREET



DATUM 133.0

DESIGN SURFACE	134.228	134.839	134.749	134.789	134.862	134.789	134.749	134.839	134.879
DIFFERENCE (mm)	0	121	8	25	-46	-26	-48	104	0
EXISTING SURFACE	134.228	134.717	134.741	134.764	134.908	134.814	134.797	134.735	134.879
OFFSET	-14.249	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	7.126

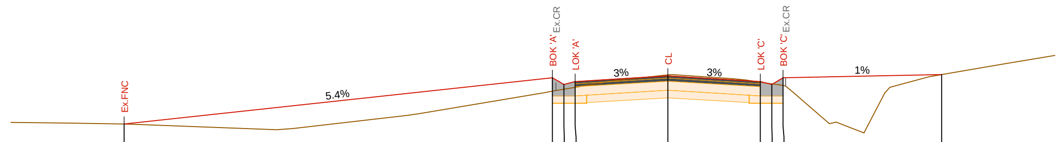
CH 110.000



DATUM 134.0

DESIGN SURFACE	134.637	135.039	134.949	134.989	135.062	135.074	135.034	135.124	135.184
DIFFERENCE (mm)	0	159	41	50	-85	-48	-74	30	-0
EXISTING SURFACE	134.637	134.880	134.907	134.939	135.147	135.122	135.108	135.094	135.184
OFFSET	-7.230	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	9.063

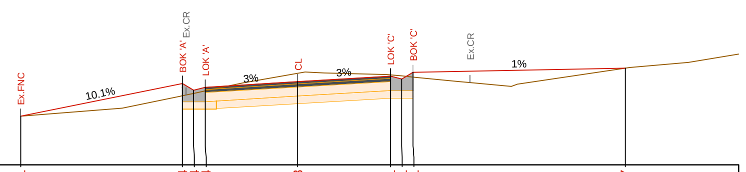
CH 70.000



DATUM 134.0

DESIGN SURFACE	134.272	134.889	134.799	134.839	134.912	134.839	134.799	134.889	134.931
DIFFERENCE (mm)	0	178	62	77	-13	9	-8	104	0
EXISTING SURFACE	134.272	134.710	134.737	134.762	134.925	134.829	134.807	134.785	134.931
OFFSET	-14.388	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	7.247

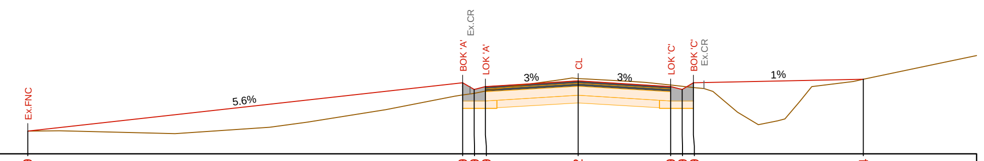
CH 100.000



DATUM 134.0

DESIGN SURFACE	134.641	135.074	134.984	135.024	135.098	135.171	135.131	135.221	135.277
DIFFERENCE (mm)	0	162	41	49	-110	-17	-42	62	0
EXISTING SURFACE	134.641	134.913	134.943	134.975	135.208	135.188	135.174	135.159	135.277
OFFSET	-7.328	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	8.657

CH 62.850



DATUM 134.0

DESIGN SURFACE	134.299	134.939	134.849	134.889	134.962	134.889	134.849	134.939	134.984
DIFFERENCE (mm)	0	161	48	62	-34	-19	-44	62	-0
EXISTING SURFACE	134.299	134.778	134.801	134.827	134.996	134.908	134.892	134.877	134.984
OFFSET	-14.561	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	7.546

CH 90.000

CROSS-SECTIONS - BELL STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'K'

2 1 0 2 4
1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

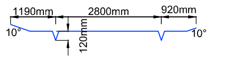
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 62.850 K - CH 110.000 K

PROJECT No. PC20005
SHEET No. 43 OF 72
VERSION 09
DWG No. PC20005 - 43 - 09



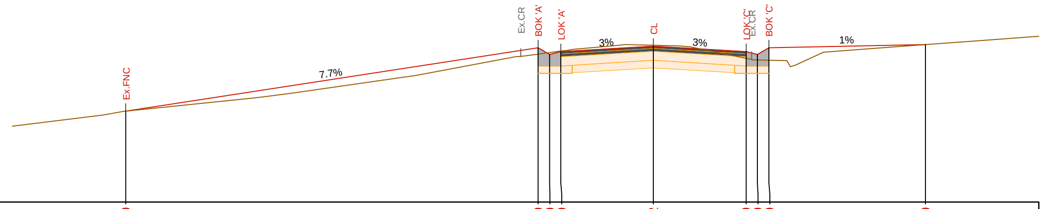
AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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WARNING

BEWARE OF UNDERGROUND SERVICES

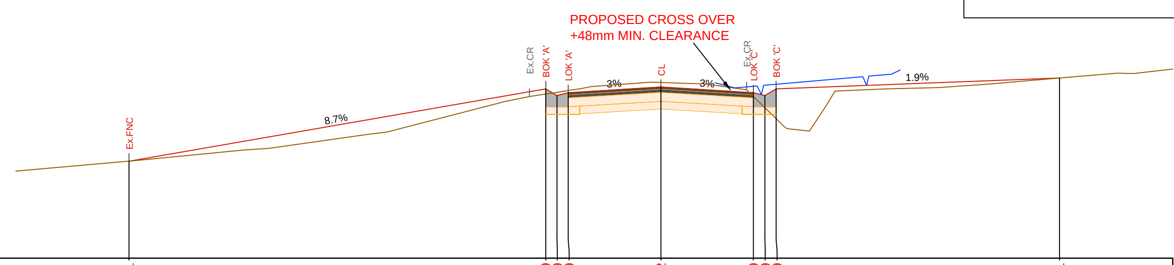
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DATUM 133.0

	Ex.FNC	BOK 'A' / LOK 'A'	CL	LOK 'C' / BOK 'C'	End
DESIGN SURFACE	134.200	135.039 134.949 134.989	135.062	134.989 134.949 135.039	135.080
DIFFERENCE (mm)	0	82 -27 -7	-9	89 71 165	0
EXISTING SURFACE	134.200	134.956 134.976 134.996	135.072	134.900 134.877 134.874	135.080
OFFSET	-13.956	-3.050 -2.750 -2.450	0.000	2.450 2.750 3.050	7.195

CH 130.000

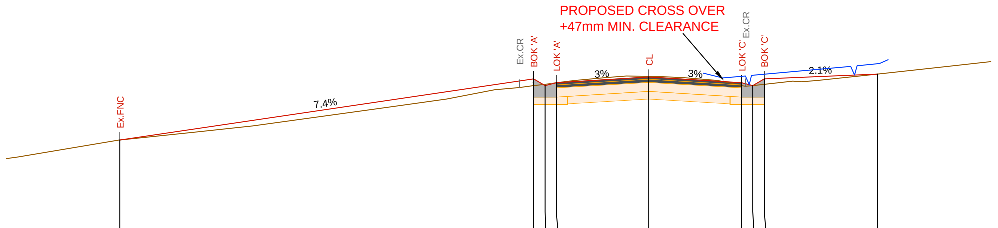


DATUM 133.0

	Ex.FNC	BOK 'A' / LOK 'A'	CL	LOK 'C' / BOK 'C'	End
DESIGN SURFACE	134.281	135.239 135.149 135.189	135.262	135.189 135.149 135.239	135.381
DIFFERENCE (mm)	0	69 -44 -27	-61	51 159 396	0
EXISTING SURFACE	134.281	135.170 135.193 135.216	135.323	135.137 134.990 134.843	135.381
OFFSET	-14.079	-3.050 -2.750 -2.450	0.000	2.450 2.750 3.050	10.550

CH 150.000

VEHICLE CROSSOVER AT No. 20 OF BELL STREET

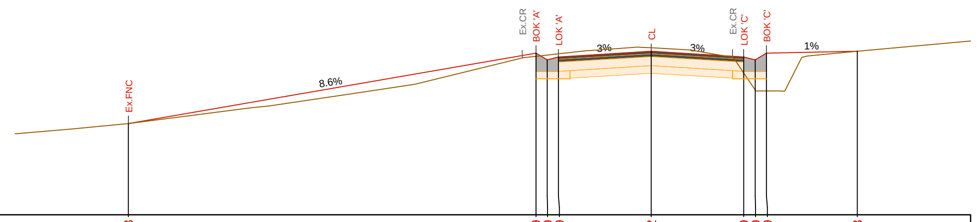


DATUM 133.0

	Ex.FNC	BOK 'A' / LOK 'A'	CL	LOK 'C' / BOK 'C'	End
DESIGN SURFACE	134.200	135.009 134.919 134.959	135.032	134.959 134.919 135.009	135.073
DIFFERENCE (mm)	0	91 -19 2	-10	38 -2 71	0
EXISTING SURFACE	134.200	134.918 134.938 134.957	135.042	134.921 134.921 134.937	135.073
OFFSET	-13.998	-3.050 -2.750 -2.450	0.000	2.450 2.750 3.050	6.050

CH 127.000

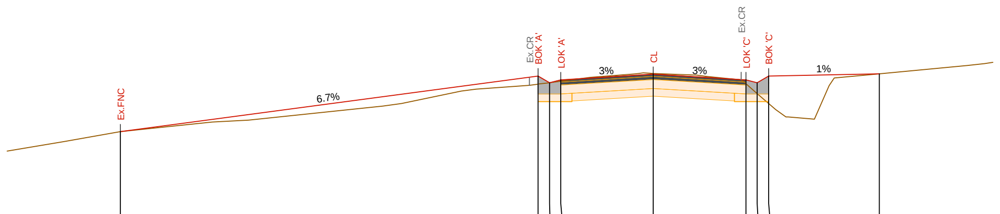
VEHICLE CROSSOVER AT No. 18 OF BELL STREET



DATUM 133.0

	Ex.FNC	BOK 'A' / LOK 'A'	CL	LOK 'C' / BOK 'C'	End
DESIGN SURFACE	134.208	135.139 135.049 135.089	135.162	135.089 135.049 135.139	135.163
DIFFERENCE (mm)	0	41 -65 -41	-47	214 398 499	0
EXISTING SURFACE	134.208	135.097 135.113 135.130	135.209	134.875 134.650 134.640	135.163
OFFSET	-13.834	-3.050 -2.750 -2.450	0.000	2.450 2.750 3.050	5.453

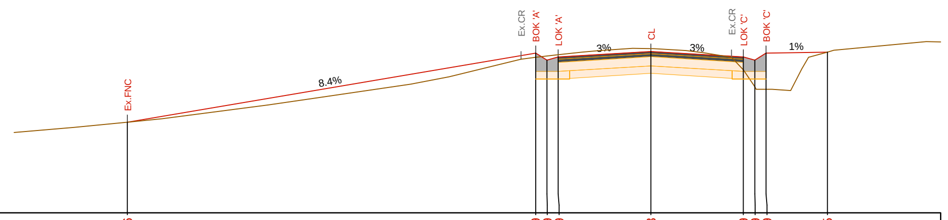
CH 140.000



DATUM 133.0

	Ex.FNC	BOK 'A' / LOK 'A'	CL	LOK 'C' / BOK 'C'	End
DESIGN SURFACE	134.199	134.939 134.849 134.889	134.962	134.889 134.849 134.939	134.968
DIFFERENCE (mm)	0	108 -1 20	-11	54 144 363	-0
EXISTING SURFACE	134.199	134.830 134.850 134.869	134.973	134.834 134.705 134.575	134.968
OFFSET	-14.104	-3.050 -2.750 -2.450	0.000	2.450 2.750 3.050	5.987

CH 120.000



DATUM 133.0

	Ex.FNC	BOK 'A' / LOK 'A'	CL	LOK 'C' / BOK 'C'	End
DESIGN SURFACE	134.196	135.109 135.019 135.059	135.133	135.059 135.019 135.109	135.125
DIFFERENCE (mm)	0	53 -54 -31	-38	170 354 477	-0
EXISTING SURFACE	134.196	135.056 135.074 135.090	135.171	134.889 134.665 134.632	135.125
OFFSET	-13.859	-3.050 -2.750 -2.450	0.000	2.450 2.750 3.050	4.674

CH 137.064

CROSS-SECTIONS - BELL STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'K'

Scale bar: 2 1 0 2 4 / 1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

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ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

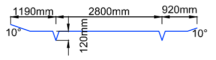
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

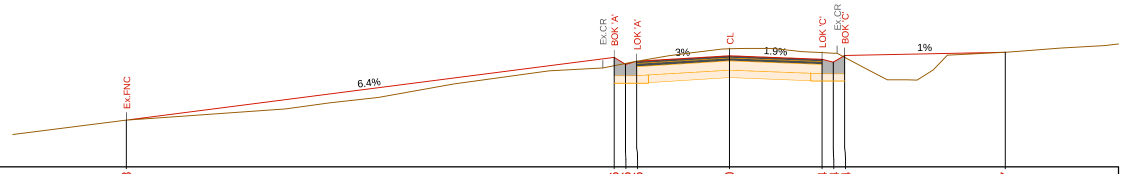
BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 120.000 K - CH 150.000 K

PROJECT No. PC20005
SHEET No. 44 OF 72
VERSION 09
DWG No. PC20005 - 44 - 09



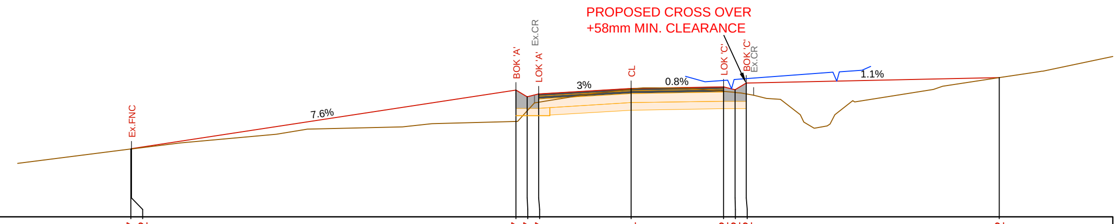
AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)



DATUM 134.0

DESIGN SURFACE	134.618	135.446	135.356	135.396	135.470	135.424	135.384	135.474	135.517
DIFFERENCE (mm)	0	106	-13	-3	-92	-87	-121	25	-0
EXISTING SURFACE	134.618	135.340	135.370	135.399	135.561	135.511	135.505	135.449	135.517
OFFSET	-15.968	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	7.297

CH 170.000

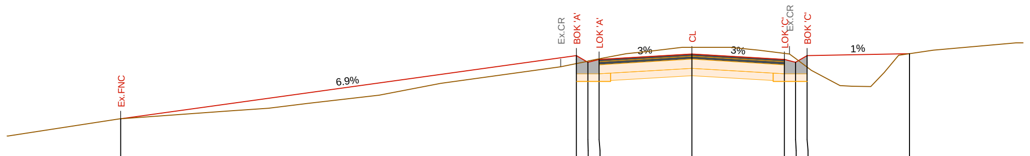


DATUM 134.0

DESIGN SURFACE	134.897	134.902	135.677	135.587	135.627	135.701	135.722	135.682	135.772	135.842
DIFFERENCE (mm)	0	4	414	187	112	13	61	34	144	0
EXISTING SURFACE	134.897	134.898	135.263	135.401	135.516	135.688	135.661	135.647	135.628	135.842
OFFSET	-13.241	-13.226	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	9.750

CH 190.000

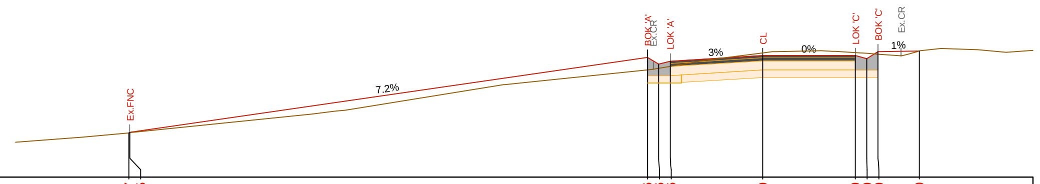
VEHICLE CROSSOVER AT No. 24 OF BELL STREET



DATUM 134.0

DESIGN SURFACE	134.524	135.361	135.271	135.311	135.384	135.311	135.271	135.361	135.388
DIFFERENCE (mm)	0	103	-18	-7	-86	-82	-52	151	0
EXISTING SURFACE	134.524	135.257	135.288	135.318	135.470	135.392	135.323	135.210	135.388
OFFSET	-15.113	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	5.763

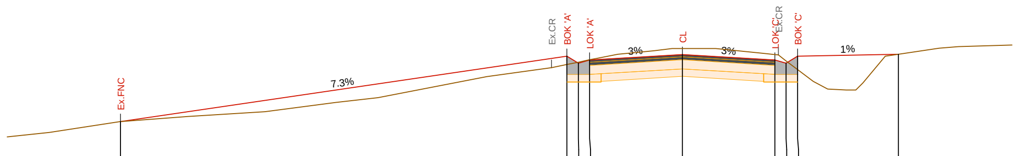
CH 162.210



DATUM 134.0

DESIGN SURFACE	134.587	134.595	135.586	135.496	135.536	135.609	135.609	135.569	135.659	135.670
DIFFERENCE (mm)	0	6	166	56	70	-36	-39	-69	31	-0
EXISTING SURFACE	134.587	134.588	135.419	135.440	135.466	135.645	135.648	135.638	135.628	135.670
OFFSET	-16.760	-16.737	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	4.145

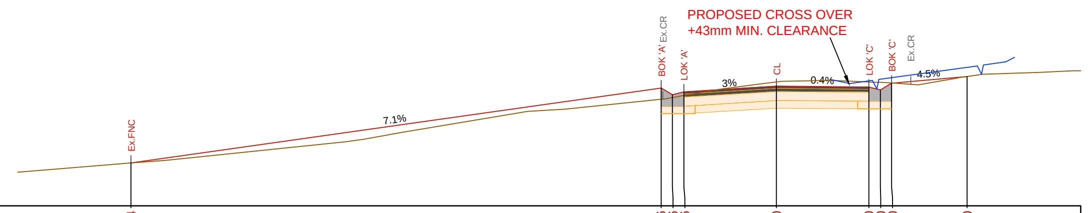
CH 182.658



DATUM 134.0

DESIGN SURFACE	134.473	135.339	135.249	135.289	135.362	135.289	135.249	135.339	135.365
DIFFERENCE (mm)	0	108	-13	-4	-80	-72	-28	175	-0
EXISTING SURFACE	134.473	135.230	135.261	135.292	135.442	135.361	135.277	135.163	135.365
OFFSET	-14.866	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	5.722

CH 160.000



DATUM 134.0

DESIGN SURFACE	134.564	135.556	135.466	135.506	135.580	135.570	135.530	135.620	135.710
DIFFERENCE (mm)	0	150	36	50	-56	-64	-101	-4	0
EXISTING SURFACE	134.564	135.406	135.431	135.457	135.636	135.635	135.631	135.624	135.710
OFFSET	-17.075	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	5.050

CH 180.000

VEHICLE CROSSOVER AT No. 22 OF BELL STREET

CROSS-SECTIONS - BELL STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'K'

2 1 0 2 4
1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

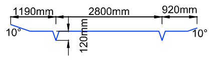
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD
AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 160.000 K - CH 190.000 K

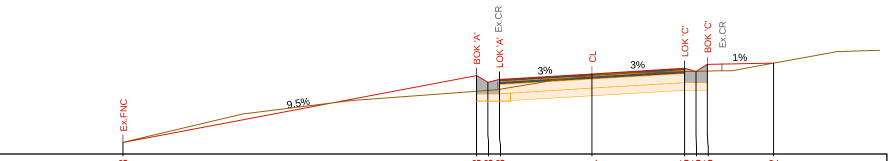
PROJECT No. PC20005
SHEET No. 45 OF 72
VERSION 09
DWG No. PC20005 - 45 - 09



AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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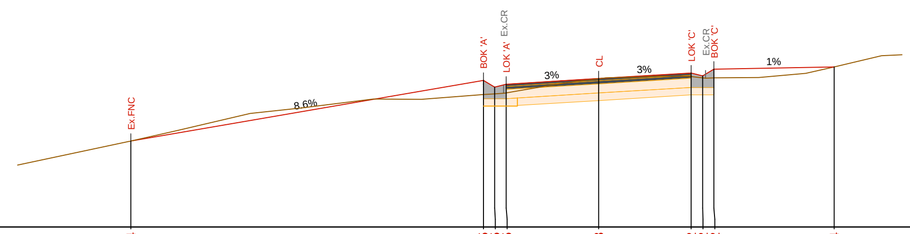
WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



DATUM 135.0

DESIGN SURFACE	135.153	136.038	135.948	135.988	136.061	136.135	136.095	136.185	136.202
DIFFERENCE (mm)	0	207	105	131	22	43	0	87	0
EXISTING SURFACE	135.153	135.831	135.842	135.857	136.039	136.091	136.094	136.097	136.202
OFFSET	-12.401	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	4.797

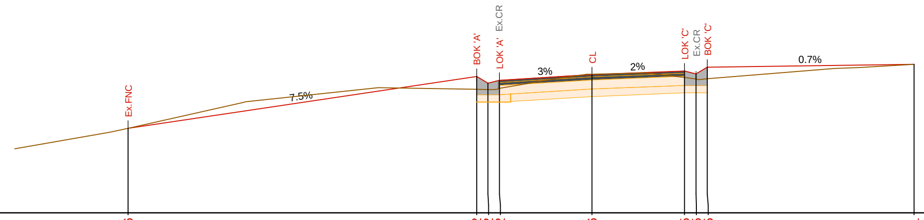
CH 210.000



DATUM 134.0

DESIGN SURFACE	135.134	135.935	135.845	135.885	135.958	136.032	135.992	136.082	136.114
DIFFERENCE (mm)	0	189	88	114	1	45	23	116	-0
EXISTING SURFACE	135.134	135.746	135.757	135.771	135.957	135.987	135.969	135.966	136.114
OFFSET	-12.377	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	6.235

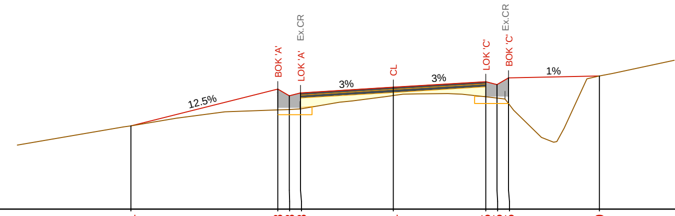
CH 205.897



DATUM 134.0

DESIGN SURFACE	135.116	135.802	135.712	135.752	135.826	135.875	135.835	135.925	135.961
DIFFERENCE (mm)	0	171	84	107	-7	87	65	154	-0
EXISTING SURFACE	135.116	135.631	135.629	135.645	135.833	135.787	135.770	135.771	135.961
OFFSET	-12.264	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	8.520

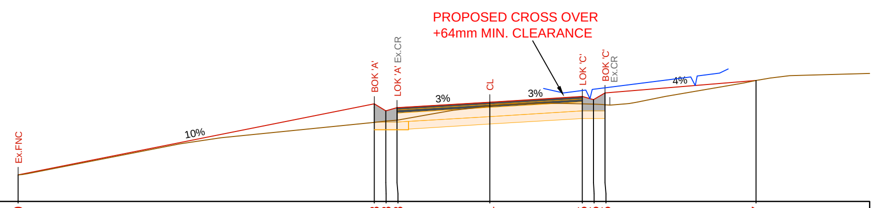
CH 200.000



DATUM 135.0

DESIGN SURFACE	136.101	136.588	136.498	136.538	136.611	136.685	136.645	136.735	136.759
DIFFERENCE (mm)	0	276	180	213	110	201	177	339	-0
EXISTING SURFACE	136.101	136.312	136.318	136.325	136.501	136.484	136.467	136.395	136.759
OFFSET	-6.944	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	5.457

CH 230.000

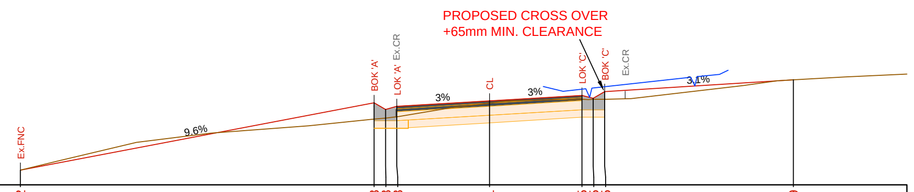


DATUM 135.0

DESIGN SURFACE	135.349	136.288	136.198	136.238	136.311	136.385	136.345	136.435	136.597
DIFFERENCE (mm)	-0	243	138	162	49	97	60	156	0
EXISTING SURFACE	135.349	136.045	136.060	136.075	136.262	136.288	136.284	136.278	136.597
OFFSET	-12.477	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	7.050

CH 220.000

VEHICLE CROSSOVER AT No. 28 OF BELL STREET



DATUM 135.0

DESIGN SURFACE	135.192	136.088	135.998	136.038	136.111	136.185	136.145	136.235	136.389
DIFFERENCE (mm)	0	218	113	137	28	51	13	100	0
EXISTING SURFACE	135.192	135.869	135.884	135.901	136.083	136.133	136.132	136.135	136.389
OFFSET	-12.416	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	8.050

CH 212.000

VEHICLE CROSSOVER AT No. 26 OF BELL STREET

CROSS-SECTIONS - BELL STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'K'

Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
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05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 200.000 K - CH 230.000 K

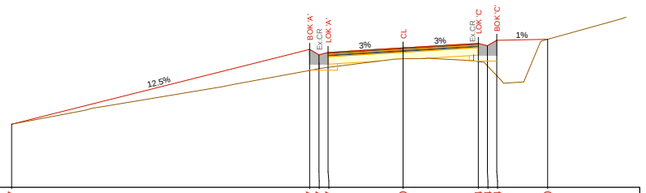
PROJECT No. PC20005
SHEET No. 46 OF 72
VERSION 09
DWG No. PC20005 - 46 - 09



AS2890,1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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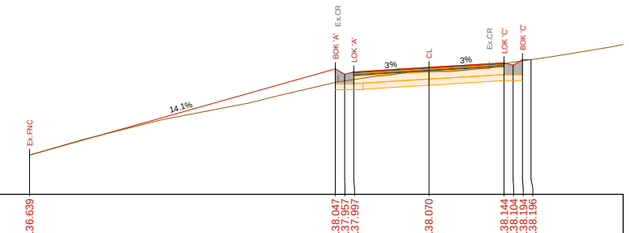
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DATUM 135.0

DESIGN SURFACE	136.027					137.247	137.157	137.197		137.270			137.344	137.304	137.394		137.410						
DIFFERENCE (mm)	0					342	224	245		178			295	327	575		-0						
EXISTING SURFACE	136.027					136.904	136.932	136.952		137.092			137.048	136.977	136.818		137.410						
OFFSET	-12.775					-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		4.716						

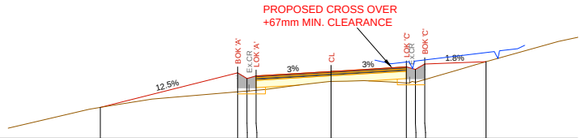
CH 250.000



DATUM 136.0

DESIGN SURFACE	136.639					138.047	137.957	137.997		138.070			138.144	138.144	138.194		138.196						
DIFFERENCE (mm)	0					221	165	123		68			16	-50	18		0						
EXISTING SURFACE	136.639					137.825	137.851	137.874		138.002			138.128	138.194	138.176		138.196						
OFFSET	-13.030					-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		3.333						

CH 280.000

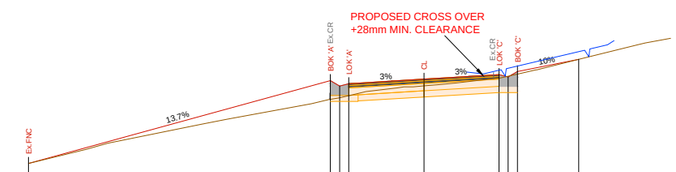


DATUM 136.0

DESIGN SURFACE	136.511					137.072	136.982	137.022		137.095			137.169	137.129	137.219		137.255						
DIFFERENCE (mm)	-0					309	206	233		163			259	206	255		0						
EXISTING SURFACE	136.511					136.763	136.775	136.788		136.932			136.910	136.923	136.964		137.255						
OFFSET	-7.534					-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		5.050						

CH 245.000

VEHICLE CROSSOVER AT No. 1/30 OF BELL STREET

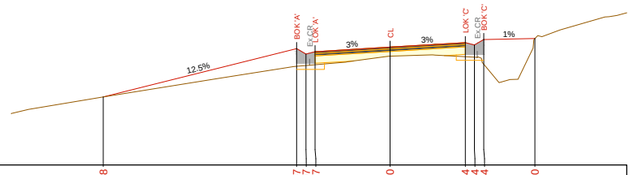


DATUM 136.0

DESIGN SURFACE	136.496					137.847	137.757	137.797		137.870			137.944	137.794	137.994		138.193						
DIFFERENCE (mm)	-0					304	190	195		110			56	-150	41		0						
EXISTING SURFACE	136.496					137.543	137.567	137.602		137.760			137.888	137.803	137.953		138.193						
OFFSET	-12.901					-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		5.050						

CH 270.000

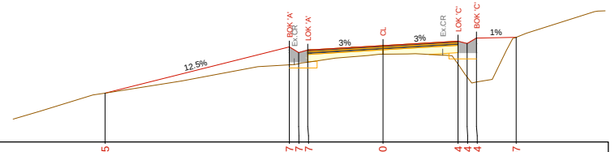
VEHICLE CROSSOVER AT No. 2/30 & 3/30 OF BELL STREET



DATUM 135.0

DESIGN SURFACE	136.108					136.897	136.807	136.847		136.920			136.994	136.954	137.044		137.060						
DIFFERENCE (mm)	0					288	185	213		148			230	199	402		-0						
EXISTING SURFACE	136.108					136.609	136.621	136.634		136.772			136.764	136.755	136.642		137.060						
OFFSET	-9.362					-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		4.720						

CH 240.000



DATUM 136.0

DESIGN SURFACE	136.795					137.547	137.457	137.497		137.570			137.644	137.644	137.694		137.707						
DIFFERENCE (mm)	-0					292	181	196		139			379	344	719		0						
EXISTING SURFACE	136.795					137.254	137.275	137.301		137.431			137.268	137.300	136.975		137.707						
OFFSET	-9.061					-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		4.349						

CH 260.000

CROSS-SECTIONS - BELL STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'K'

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

2 1 0 2 4
1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
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FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 240.000 K - CH 280.000 K

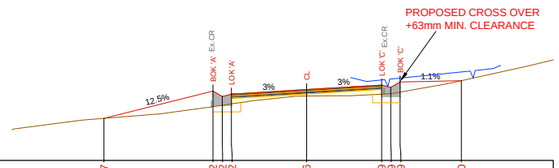
PROJECT No. PC20005
SHEET No. 47 OF 72
VERSION 09
DWG No. PC20005 - 47 - 09



AS2890,1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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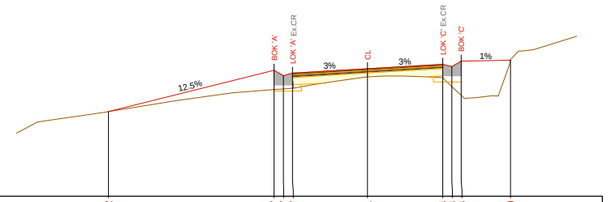


DATUM 137.0

DESIGN SURFACE	137.687			138.132	138.042	138.062		138.156			138.229	138.189	138.279		138.300								
DIFFERENCE (mm)	-0			255	143	160		105			146	99	163		0								
EXISTING SURFACE	137.687			137.877	137.899	137.922		138.051			138.081	138.090	138.116		138.300								
OFFSET	-6.609			-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		5.050								

CH 295.000

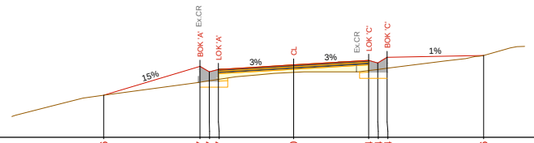
VEHICLE CROSSOVER AT No. 34 OF BELL STREET



DATUM 136.0

DESIGN SURFACE	137.382			138.057	137.967	138.007		138.081			138.154	138.114	138.204		138.220								
DIFFERENCE (mm)	0			317	216	244		133			217	324	556		0								
EXISTING SURFACE	137.382			137.740	137.751	137.763		137.947			137.937	137.790	137.648		138.220								
OFFSET	-8.450			-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		4.660								

CH 310.000



DATUM 137.0

DESIGN SURFACE	137.686			138.157	138.057	138.107		138.180			138.254	138.214	138.304		138.336								
DIFFERENCE (mm)	-0			257	145	162		122			165	106	178		-0								
EXISTING SURFACE	137.686			137.900	137.922	137.945		138.059			138.089	138.108	138.126		138.336								
OFFSET	-6.193			-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		6.204								

CH 290.000

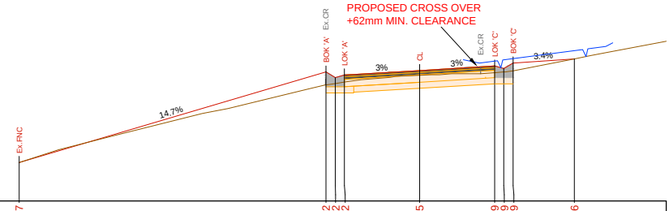


DATUM 136.0

DESIGN SURFACE	137.291			138.077	137.987	138.027		138.101			138.174	138.134	138.224		138.297								
DIFFERENCE (mm)	0			319	214	233		118			151	83	147		-0								
EXISTING SURFACE	137.291			137.758	137.773	137.794		137.982			138.023	138.051	138.077		138.297								
OFFSET	-9.339			-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		5.050								

CH 306.000

VEHICLE CROSSOVER AT No. 36 OF BELL STREET

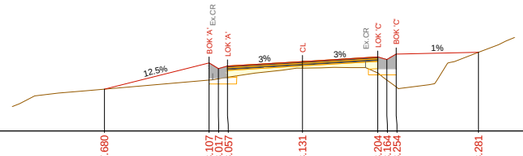


DATUM 136.0

DESIGN SURFACE	136.627			138.102	138.012	138.052		138.125			138.199	138.159	138.249		138.316								
DIFFERENCE (mm)	0			211	98	115		78			108	57	129		0								
EXISTING SURFACE	136.627			137.891	137.914	137.937		138.047			138.090	138.101	138.120		138.316								
OFFSET	-13.057			-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		5.050								

CH 285.000

VEHICLE CROSSOVER AT No. 32 OF BELL STREET



DATUM 137.0

DESIGN SURFACE	137.680			138.107	138.017	138.057		138.131			138.204	138.164	138.254		138.281								
DIFFERENCE (mm)	0			279	168	181		107			258	336	537		0								
EXISTING SURFACE	137.680			137.828	137.849	137.876		138.024			137.946	137.929	137.717		138.281								
OFFSET	-6.466			-3.050	-2.750	-2.450		0.000			2.450	2.750	3.050		5.741								

CH 300.000

CROSS-SECTIONS - BELL STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'K'

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

2 1 0 2 4
1 0.5 0 1 2

Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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CIVIL ENGINEERING DESIGN: KURT CHAMBERLAIN
TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

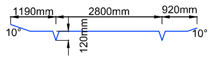
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

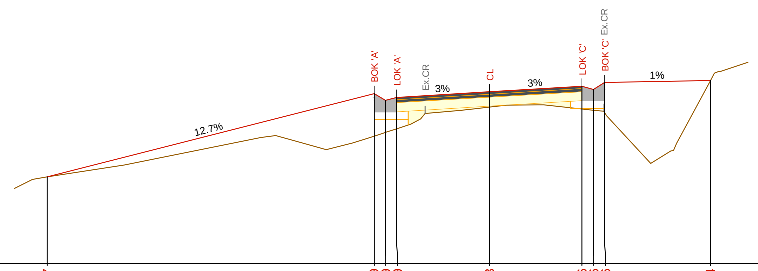
CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 285.000 K - CH 310.000 K

PROJECT No. PC20005
SHEET No. 48 OF 72
VERSION 09
DWG No. PC20005 - 48 - 09



AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

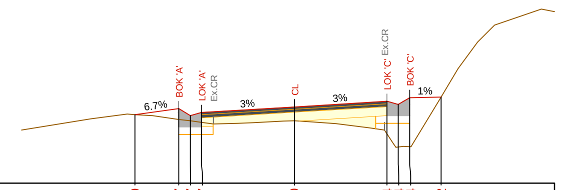
WARNING
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DATUM 136.0

DESIGN SURFACE	137.147	138.249	138.159	138.199	138.273	138.346	138.306	138.396	138.424
DIFFERENCE (mm)	0	561	424	415	203	301	276	398	-0
EXISTING SURFACE	137.147	137.688	137.735	137.784	138.070	138.046	138.030	137.999	138.424
OFFSET	-11.697	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	5.849

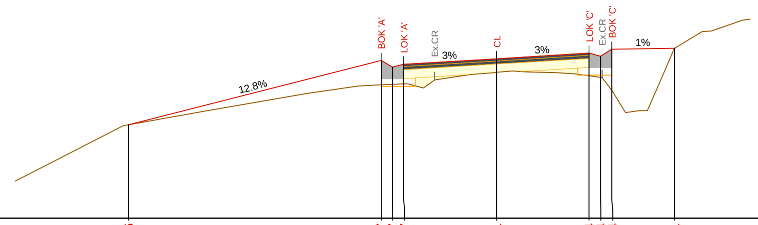
CH 340.000



DATUM 138.0

DESIGN SURFACE	138.909	138.987	138.897	138.937	139.010	139.084	139.044	139.134	139.142
DIFFERENCE (mm)	-0	141	71	132	182	432	562	650	-0
EXISTING SURFACE	138.909	138.846	138.825	138.805	138.828	138.652	138.481	138.484	139.142
OFFSET	-4.212	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	3.880

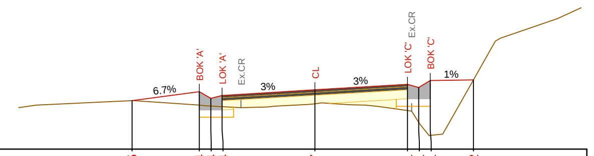
CH 363.527



DATUM 136.0

DESIGN SURFACE	137.236	138.087	137.997	138.037	138.111	138.184	138.144	138.234	138.251
DIFFERENCE (mm)	-0	322	225	259	181	300	281	542	0
EXISTING SURFACE	137.236	137.765	137.772	137.779	137.929	137.884	137.863	137.692	138.251
OFFSET	-9.727	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	4.711

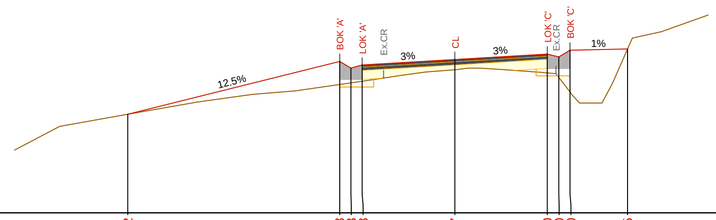
CH 329.200



DATUM 138.0

DESIGN SURFACE	138.645	138.764	138.674	138.714	138.787	138.861	138.821	138.911	138.922
DIFFERENCE (mm)	0	180	99	148	183	347	462	728	-0
EXISTING SURFACE	138.645	138.584	138.575	138.566	138.605	138.514	138.359	138.182	138.922
OFFSET	-4.832	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	4.194

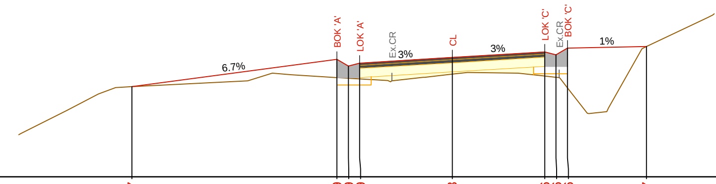
CH 357.157



DATUM 136.0

DESIGN SURFACE	137.302	138.003	137.913	137.953	138.027	138.100	138.060	138.150	138.165
DIFFERENCE (mm)	0	306	194	213	135	252	268	553	0
EXISTING SURFACE	137.302	137.697	137.719	137.741	137.892	137.848	137.792	137.597	138.165
OFFSET	-8.657	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	4.573

CH 320.785



DATUM 137.0

DESIGN SURFACE	138.187	138.549	138.459	138.499	138.573	138.646	138.606	138.696	138.717
DIFFERENCE (mm)	-0	242	161	210	220	319	294	524	-0
EXISTING SURFACE	138.187	138.308	138.299	138.290	138.352	138.328	138.312	138.172	138.717
OFFSET	-8.478	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	5.145

CH 350.000

CROSS-SECTIONS - BELL STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'K'

2 1 0 2 4 — Hor 1:100 @ A1, Hor 1:200 @ A3
1 0.5 0 1 2 — Ver 1:50 @ A1, Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

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01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

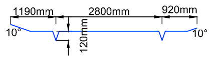
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

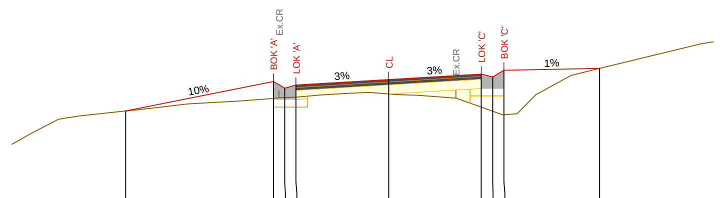
BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 320.785 K - CH 363.527 K

PROJECT No. PC20005
SHEET No. 49 OF 72
VERSION 09
DWG No. PC20005 - 49 - 09



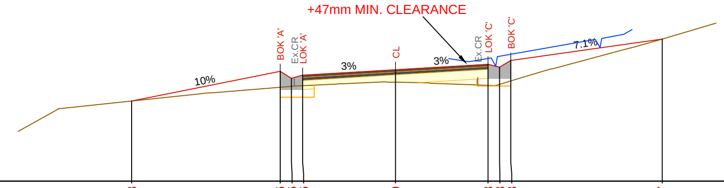
AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)



DATUM 138.0

DESIGN SURFACE	139.190	139.581	139.491	139.531	139.605	139.678	139.638	139.728	139.754
DIFFERENCE (mm)	0	224	125	158	190	439	453	588	0
EXISTING SURFACE	139.190	139.357	139.367	139.374	139.415	139.240	139.186	139.140	139.754
OFFSET	-6.959	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	5.583

CH 384.416

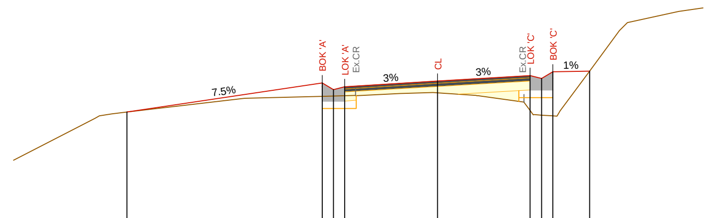


DATUM 138.0

DESIGN SURFACE	139.063	139.456	139.366	139.406	139.479	139.553	139.513	139.603	139.887
DIFFERENCE (mm)	-0	210	108	139	167	282	228	273	0
EXISTING SURFACE	139.063	139.246	139.258	139.266	139.312	139.271	139.285	139.330	139.887
OFFSET	-6.974	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	7.050

CH 380.000

VEHICLE CROSSOVER AT No. 40 OF BELL STREET



DATUM 137.0

DESIGN SURFACE	138.784	139.171	139.081	139.121	139.195	139.268	139.228	139.318	139.328
DIFFERENCE (mm)	-0	178	84	121	155	462	484	583	-0
EXISTING SURFACE	138.784	138.993	138.997	139.000	139.040	138.806	138.744	138.735	139.328
OFFSET	-8.207	-3.050	-2.750	-2.450	0.000	2.450	2.750	3.050	4.019

CH 370.000

CROSS-SECTIONS - BELL STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'K'

2 1 0 2 4 / 1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE	AS SHOWN @ A1
HEIGHT DATUM	AHD
COORDINATE DATUM	MGA 2020 ZONE 55
SURVEY DATE	24-02-2021
AERIAL IMAGE DATE	12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - BELL STREET - CENTRELINE 'K' - CH 370.000 K - CH 384.416 K

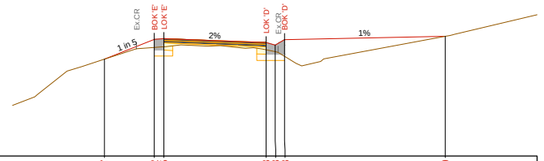
PROJECT No. PC20005
SHEET No. 50 OF 72
VERSION 09
DWG No. PC20005 - 50 - 09



AS2890,1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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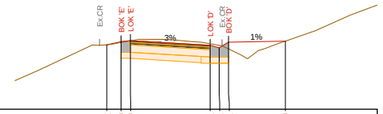
WARNING
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DATUM 150.0

DESIGN SURFACE	151.577			151.902	151.915			151.848	151.808	151.888									151.950				
DIFFERENCE (mm)	0			132	133			116	108	272									0				
EXISTING SURFACE	151.577			151.770	151.781			151.732	151.700	151.626									151.950				
OFFSET	-5.273			-3.647	-3.335			0.000	0.300	0.600									5.844				

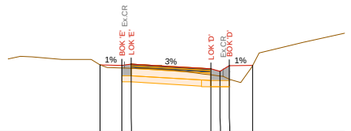
CH 13.682



DATUM 150.0

DESIGN SURFACE	151.052			151.099	151.119			151.041	151.001	151.091									151.109				
DIFFERENCE (mm)	0			12	5			-27	-42	107									0				
EXISTING SURFACE	151.052			151.087	151.113			151.068	151.042	150.983									151.109				
OFFSET	-3.369			-2.900	-2.600			0.000	0.300	0.600									2.456				

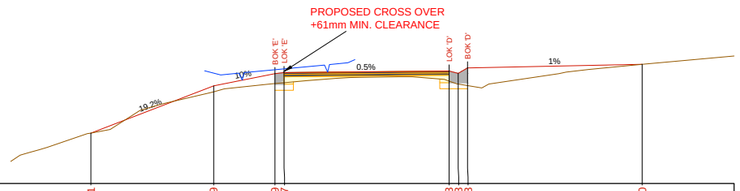
CH 22.000



DATUM 149.0

DESIGN SURFACE	150.111			150.104	150.124			150.046	150.006	150.096									150.103				
DIFFERENCE (mm)	-0			43	67			98	76	217									-0				
EXISTING SURFACE	150.111			150.061	150.057			149.948	149.929	149.878									150.103				
OFFSET	-3.608			-2.900	-2.600			0.000	0.300	0.600									1.366				

CH 40.000

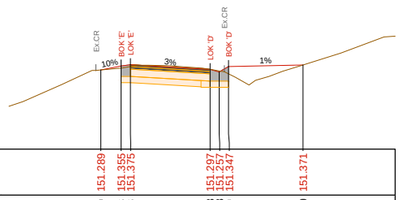


DATUM 151.0

DESIGN SURFACE	151.821			152.589				152.789	152.807										152.940				
DIFFERENCE (mm)	0			96				161	165										0				
EXISTING SURFACE	151.821			152.493				152.629	152.642										152.940				
OFFSET	-11.680			-7.680				-5.680	-5.379										6.303				

CH 5.000

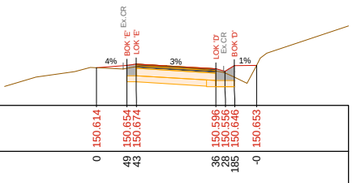
VEHICLE CROSSOVER AT No. 19 OF PAYNES ROAD



DATUM 150.0

DESIGN SURFACE	151.289			151.355	151.375			151.297	151.257	151.347									151.371				
DIFFERENCE (mm)	0			33	28			-3	-18	119									-0				
EXISTING SURFACE	151.289			151.322	151.347			151.300	151.275	151.228									151.371				
OFFSET	-3.563			-2.900	-2.600			0.000	0.300	0.600									3.035				

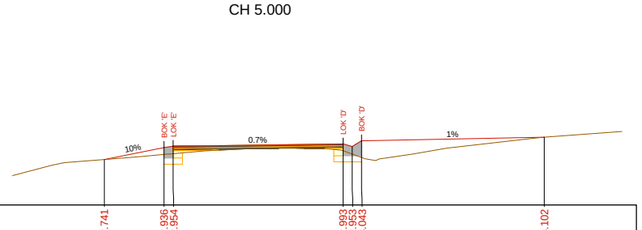
CH 18.984



DATUM 150.0

DESIGN SURFACE	150.614			150.654	150.674			150.596	150.556	150.646									150.653				
DIFFERENCE (mm)	0			49	43			36	28	185									-0				
EXISTING SURFACE	150.614			150.604	150.630			150.559	150.527	150.460									150.653				
OFFSET	-3.888			-2.900	-2.600			0.000	0.300	0.600									1.328				

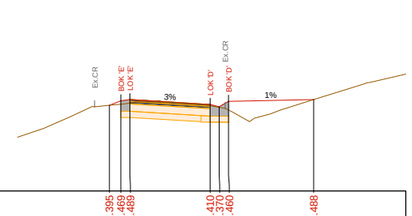
CH 30.000



DATUM 152.0

DESIGN SURFACE	152.741			152.936	152.954			152.993	152.953	153.043									153.102				
DIFFERENCE (mm)	-0			112	119			111	124	268									0				
EXISTING SURFACE	152.741			152.824	152.835			152.882	152.828	152.774									153.102				
OFFSET	-7.783			-5.840	-5.539			0.000	0.300	0.600									6.567				

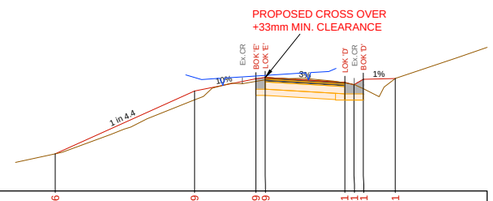
CH 3.591



DATUM 150.0

DESIGN SURFACE	151.395			151.469	151.489			151.410	151.370	151.460									151.488				
DIFFERENCE (mm)	-0			56	54			23	8	141									-0				
EXISTING SURFACE	151.395			151.414	151.434			151.387	151.362	151.319									151.488				
OFFSET	-3.283			-2.913	-2.613			0.000	0.300	0.600									3.380				

CH 17.852



DATUM 149.0

DESIGN SURFACE	149.606			150.629				150.829	150.849										150.831				
DIFFERENCE (mm)	-0			145				44	38										-0				
EXISTING SURFACE	149.606			150.484				150.784	150.810										150.831				
OFFSET	-9.445			-4.900				-2.900	-2.600										1.645				

CH 26.500

VEHICLE CROSSOVER AT No. 21 OF PAYNES ROAD

CROSS-SECTIONS - PAYNES ROAD - REFERENCE LINE (OFFSET 0.00) - LIP OF KERB 'D'

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

2 1 0 2 4
1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
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04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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CIVIL ENGINEERING DESIGN	TECHNICAL PEER REVIEW
KURT CHAMBERLAIN	CHRIS PROCTOR

REGISTERED & CHARTERED PROFESSIONAL ENGINEER
CHRIS PROCTOR

ORIENTATION
OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE	AS SHOWN @ A1
HEIGHT DATUM	AHD
COORDINATE DATUM	MGA 2020 ZONE 55
SURVEY DATE	24-02-2021
AERIAL IMAGE DATE	12-12-2020

LOCAL GOVERNMENT AREA
SHIRE OF YARRA RANGES
CLIENT
Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT
MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

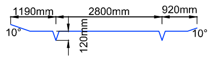
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - PAYNES ROAD - LIP OF KERB 'D' - CH 3.591 D - CH 40.000 D

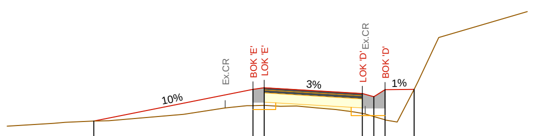
PROJECT No.	PC20005
SHEET No.	51 OF 72
VERSION	09
DWG No.	PC20005 - 51- 09



AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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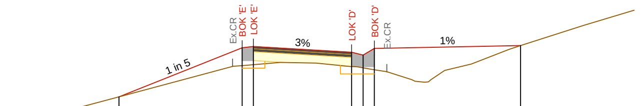
WARNING
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DATUM 147.0

DESIGN SURFACE	147.778	148.199	148.219	148.141	148.101	148.191	148.199
DIFFERENCE (mm)	0	217	234	264	264	398	0
EXISTING SURFACE	147.778	147.982	147.986	147.878	147.837	147.793	148.199
OFFSET	-7.113	-2.900	-2.600	0.000	0.300	0.600	1.365

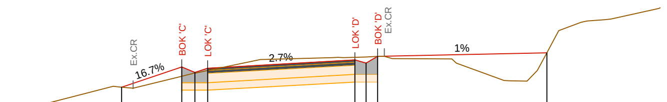
CH 64.227



DATUM 144.0

DESIGN SURFACE	144.571	145.223	145.243	145.165	145.125	145.215	145.254
DIFFERENCE (mm)	0	236	244	190	166	282	0
EXISTING SURFACE	144.571	144.987	144.999	144.975	144.959	144.933	145.254
OFFSET	-6.159	-2.900	-2.600	0.000	0.300	0.600	4.471

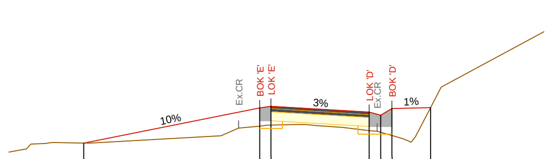
CH 90.000



DATUM 141.0

DESIGN SURFACE	141.628	141.894	141.822	141.880	141.987	141.947	142.037	142.081
DIFFERENCE (mm)	0	121	7	30	-36	-81	3	-0
EXISTING SURFACE	141.628	141.773	141.816	141.849	142.023	142.028	142.033	142.081
OFFSET	-6.172	-4.577	-4.236	-3.898	0.000	0.300	0.600	5.077

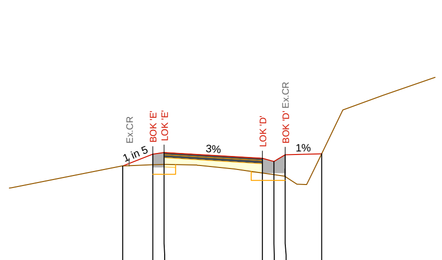
CH 120.000



DATUM 148.0

DESIGN SURFACE	148.409	148.875	148.895	148.817	148.777	148.867	148.877
DIFFERENCE (mm)	-0	240	248	242	225	358	0
EXISTING SURFACE	148.409	148.634	148.647	148.575	148.552	148.508	148.877
OFFSET	-7.554	-2.900	-2.600	0.000	0.300	0.600	1.621

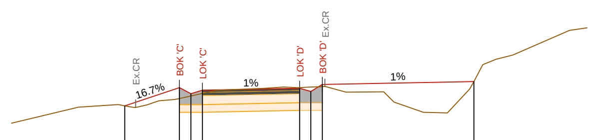
CH 56.922



DATUM 145.0

DESIGN SURFACE	146.275	146.433	146.453	146.375	146.335	146.425	146.435
DIFFERENCE (mm)	0	143	157	193	175	288	-0
EXISTING SURFACE	146.275	146.290	146.296	146.182	146.160	146.137	146.435
OFFSET	-3.689	-2.900	-2.600	0.000	0.300	0.600	1.563

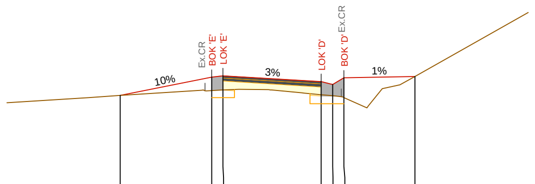
CH 80.000



DATUM 141.0

DESIGN SURFACE	142.114	142.354	142.272	142.319	142.345	142.305	142.395	142.435
DIFFERENCE (mm)	-0	145	29	42	-9	-56	27	-0
EXISTING SURFACE	142.114	142.209	142.243	142.277	142.354	142.361	142.368	142.435
OFFSET	-4.630	-3.186	-2.879	-2.572	0.000	0.300	0.600	4.611

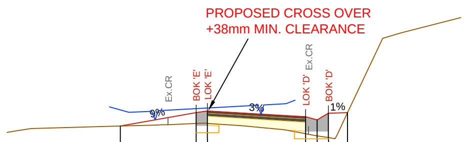
CH 115.994



DATUM 148.0

DESIGN SURFACE	149.187	149.429	149.449	149.371	149.331	149.421	149.439
DIFFERENCE (mm)	0	176	189	173	147	260	0
EXISTING SURFACE	149.187	149.253	149.259	149.198	149.183	149.160	149.439
OFFSET	-5.317	-2.900	-2.600	0.000	0.300	0.600	2.476

CH 50.000

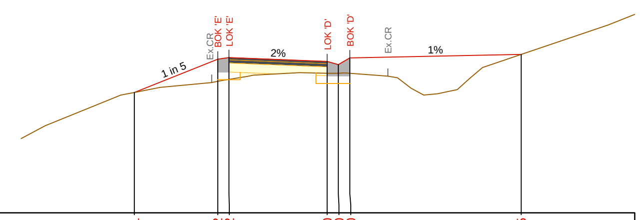


DATUM 147.0

DESIGN SURFACE	147.414	147.593	147.613	147.535	147.495	147.585	147.590
DIFFERENCE (mm)	0	146	165	223	211	325	0
EXISTING SURFACE	147.414	147.447	147.448	147.312	147.284	147.260	147.590
OFFSET	-4.900	-2.900	-2.600	0.000	0.300	0.600	1.108

VEHICLE CROSSOVER AT No. 23 OF PAYNES ROAD

CH 70.000



DATUM 142.0

DESIGN SURFACE	143.591	144.032	144.052	144.000	143.960	144.050	144.095
DIFFERENCE (mm)	0	295	289	153	116	206	-0
EXISTING SURFACE	143.591	143.737	143.763	143.847	143.844	143.844	144.095
OFFSET	-5.105	-2.900	-2.600	0.000	0.300	0.600	5.143

CH 100.000

CROSS-SECTIONS - PAYNES ROAD - REFERENCE LINE (OFFSET 0.00) - LIP OF KERB 'D'

2 1 0 2 4 / 1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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E: info@procivil.com.au
www.procivil.com.au

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE	AS SHOWN @ A1
HEIGHT DATUM	AHD
COORDINATE DATUM	MGA 2020 ZONE 55
SURVEY DATE	24-02-2021
AERIAL IMAGE DATE	12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD
AND WINIFRED STREET, SEVILLE

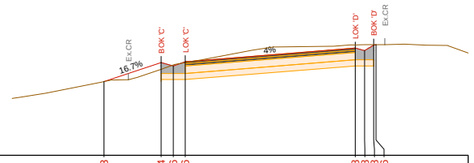
CROSS-SECTIONS - PAYNES ROAD - LIP OF KERB 'D' - CH 50.000 D - CH 120.000 D

PROJECT No.	PC20005
SHEET No.	52 OF 72
VERSION	09
DWG No.	PC20005 - 52 - 09



AS2890,1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

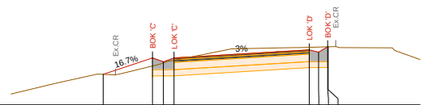
WARNING
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DATUM 140.0

DESIGN SURFACE	141.203			141.514			141.456			141.526							141.748			141.798			141.806	
DIFFERENCE (mm)	0			109			-17			14							-54			-7			0	
EXISTING SURFACE	141.203			141.405			141.474			141.512							141.802			141.806			141.806	
OFFSET	-8.197			-6.332			-5.935			-5.545							0.000			0.400			0.676	

CH 122.793



DATUM 141.0

DESIGN SURFACE	141.499			141.767			141.701			141.764							141.898			141.948			141.949	
DIFFERENCE (mm)	0			132			16			35							-42			-1			0	
EXISTING SURFACE	141.499			141.635			141.685			141.728							141.940			141.949			141.949	
OFFSET	-6.725			-5.119			-4.762			-4.410							0.000			0.400			0.614	

CH 121.000

CROSS-SECTIONS - PAYNES ROAD - REFERENCE LINE (OFFSET 0.00) - LIP OF KERB 'D'



Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

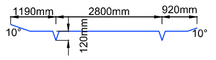
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

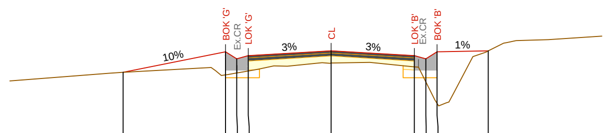
CROSS-SECTIONS - PAYNES ROAD - LIP OF KERB 'D' - CH 121.000 D - CH 122.793 D

PROJECT No. PC20005
SHEET No. 53 OF 72
VERSION 09
DWG No. PC20005 - 53 - 09



AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

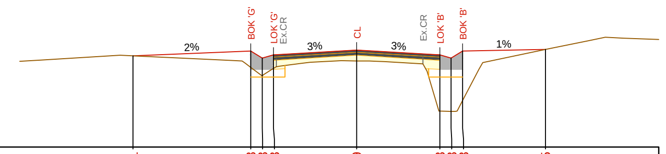
WARNING
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DATUM 135.0

DESIGN SURFACE	135.818	136.088	135.998	136.038	136.104	136.038	135.998	136.088	136.101
DIFFERENCE (mm)	-0	305	189	203	164	146	304	680	-0
EXISTING SURFACE	135.818	135.783	135.808	135.835	135.940	135.892	135.694	135.408	136.101
OFFSET	-5.503	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.157

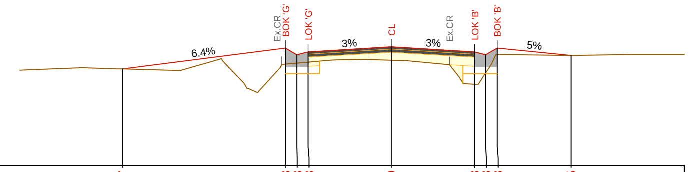
CH 20.000



DATUM 136.0

DESIGN SURFACE	137.201	137.263	137.173	137.213	137.279	137.213	137.173	137.263	137.285
DIFFERENCE (mm)	-0	215	232	177	144	739	703	652	0
EXISTING SURFACE	137.201	137.047	136.941	137.036	137.135	136.473	136.470	136.611	137.285
OFFSET	-5.919	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.994

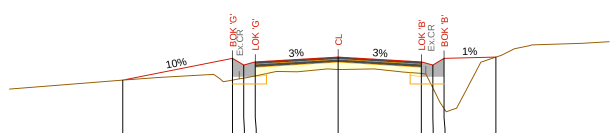
CH 40.000



DATUM 137.0

DESIGN SURFACE	138.277	138.553	138.463	138.503	138.569	138.503	138.463	138.553	138.455
DIFFERENCE (mm)	-0	210	108	135	177	427	237	83	-0
EXISTING SURFACE	138.277	138.343	138.355	138.368	138.392	138.076	138.226	138.470	138.455
OFFSET	-7.099	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.759

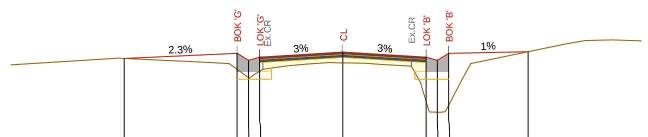
CH 60.000



DATUM 135.0

DESIGN SURFACE	135.747	136.037	135.947	135.987	136.053	135.987	135.947	136.037	136.050
DIFFERENCE (mm)	0	289	173	185	167	153	303	668	0
EXISTING SURFACE	135.747	135.747	135.774	135.802	135.886	135.834	135.643	135.368	136.050
OFFSET	-5.699	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.171

CH 19.067

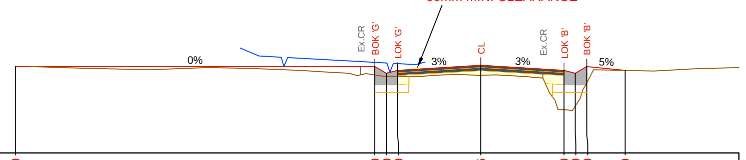


DATUM 136.0

DESIGN SURFACE	137.066	137.134	137.044	137.084	137.150	137.084	137.044	137.134	137.155
DIFFERENCE (mm)	-0	211	232	186	142	582	686	685	0
EXISTING SURFACE	137.066	136.923	136.811	136.898	137.008	136.501	136.358	136.448	137.155
OFFSET	-5.789	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.897

CH 37.934

PROPOSED CROSS OVER
+60mm MIN. CLEARANCE

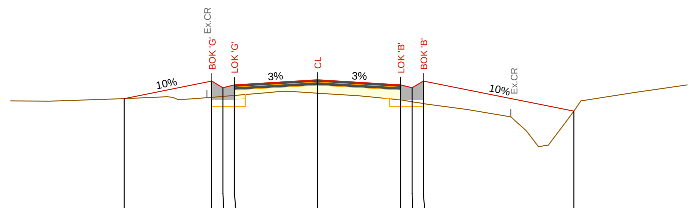


DATUM 137.0

DESIGN SURFACE	138.140	138.140	138.050	138.090	138.156	138.090	138.050	138.140	138.089
DIFFERENCE (mm)		111	37	79	130	519	430	215	0
EXISTING SURFACE		138.029	138.013	138.011	138.025	137.570	137.619	137.925	138.089
OFFSET	-12.300	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.820

VEHICLE CROSSOVER AT No. 20 OF READ ROAD

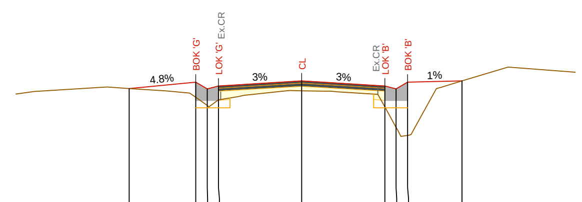
CH 54.031



DATUM 134.0

DESIGN SURFACE	135.508	135.739	135.649	135.689	135.755	135.689	135.649	135.739	135.341
DIFFERENCE (mm)	-0	216	114	141	176	200	184	298	-0
EXISTING SURFACE	135.508	135.523	135.535	135.548	135.579	135.489	135.465	135.441	135.341
OFFSET	-5.110	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	6.777

CH 12.450

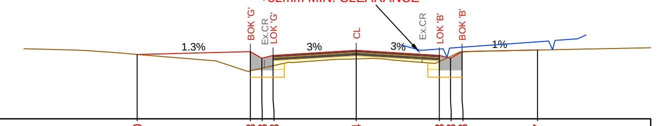


DATUM 135.0

DESIGN SURFACE	136.553	136.638	136.548	136.588	136.654	136.588	136.548	136.638	136.652
DIFFERENCE (mm)	0	201	218	184	131	279	507	703	-0
EXISTING SURFACE	136.553	136.436	136.330	136.404	136.523	136.309	136.040	135.934	136.652
OFFSET	-4.564	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.240

CH 30.000

PROPOSED CROSS OVER
+52mm MIN. CLEARANCE



DATUM 137.0

DESIGN SURFACE	137.850	137.888	137.798	137.838	137.904	137.838	137.798	137.888	137.907
DIFFERENCE (mm)	-0	256	131	137	112	80	-28	5	0
EXISTING SURFACE	137.850	137.632	137.666	137.701	137.792	137.758	137.826	137.883	137.907
OFFSET	-5.798	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.800

CH 50.000

VEHICLE CROSSOVER AT No. 10 OF PAYNES ROAD

CROSS-SECTIONS - READ ROAD - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'L'

2 1 0 2 4
1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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E: info@procivil.com.au
www.procivil.com.au
CIVIL ENGINEERING DESIGN: KURT CHAMBERLAIN
TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

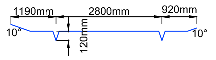
LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS
BELL STREET, PAYNES ROAD, READ ROAD
AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - READ ROAD - CENTRELINE 'L' - CH 12.450 L - CH 60.000 L

PROJECT No. PC20005
SHEET No. 54 OF 72
VERSION 09
DWG No. PC20005 - 54 - 09



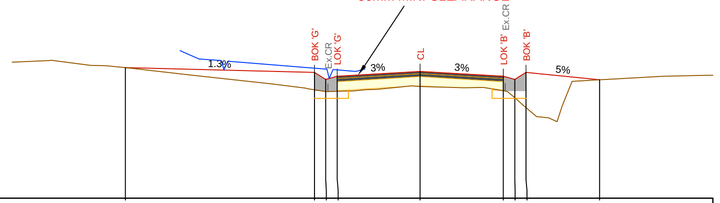
AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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.

PROPOSED CROSS OVER
+50mm MIN. CLEARANCE

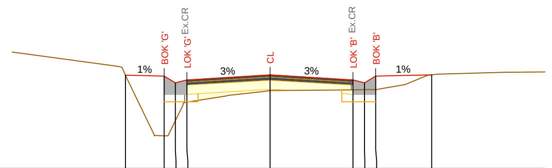


DATUM 138.0

DESIGN SURFACE	139.725	139.661	139.571	139.611	139.677	139.611	139.571	139.661	139.564
DIFFERENCE (mm)	-0	227	163	198	199	189	245	464	0
EXISTING SURFACE	139.725	139.434	139.408	139.413	139.478	139.422	139.327	139.197	139.564
OFFSET	-7.800	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.744

VEHICLE CROSSOVER AT No. 14 OF READ ROAD

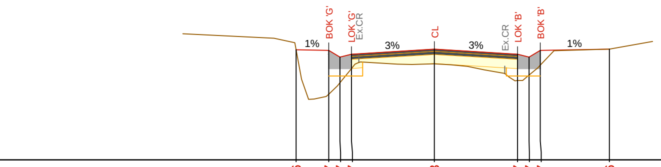
CH 76.000



DATUM 140.0

DESIGN SURFACE	141.229	141.219	141.129	141.169	141.235	141.169	141.129	141.219	141.234
DIFFERENCE (mm)	-0	787	497	294	209	131	90	179	0
EXISTING SURFACE	141.229	140.432	140.632	140.875	141.026	141.038	141.039	141.040	141.234
OFFSET	-3.822	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.277

CH 96.311

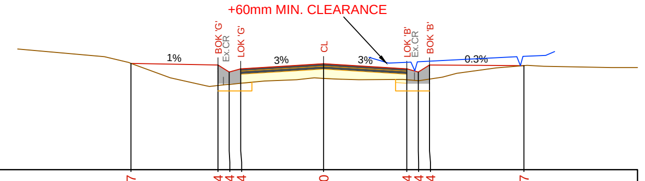


DATUM 142.0

DESIGN SURFACE	143.456	143.447	143.357	143.397	143.463	143.397	143.357	143.447	143.466
DIFFERENCE (mm)	-0	579	336	191	194	350	238	197	0
EXISTING SURFACE	143.456	142.868	143.021	143.206	143.269	143.048	143.119	143.250	143.466
OFFSET	-3.662	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.631

CH 120.000

PROPOSED CROSS OVER
+60mm MIN. CLEARANCE



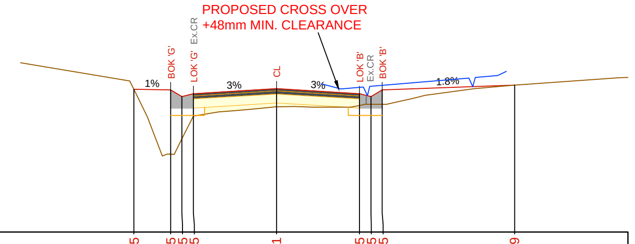
DATUM 138.0

DESIGN SURFACE	139.407	139.384	139.294	139.334	139.400	139.334	139.294	139.384	139.377
DIFFERENCE (mm)	0	269	166	192	193	143	115	185	0
EXISTING SURFACE	139.407	139.115	139.128	139.142	139.207	139.191	139.179	139.199	139.377
OFFSET	-5.099	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	5.300

CH 72.000

VEHICLE CROSSOVER AT No. 17 OF READ ROAD

PROPOSED CROSS OVER
+48mm MIN. CLEARANCE

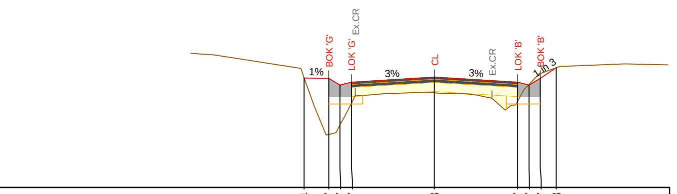


DATUM 139.0

DESIGN SURFACE	140.895	140.885	140.795	140.835	140.901	140.835	140.795	140.885	140.949
DIFFERENCE (mm)	-0	851	557	299	238	155	100	188	0
EXISTING SURFACE	140.895	140.034	140.238	140.536	140.663	140.680	140.695	140.697	140.949
OFFSET	-3.773	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	6.300

CH 92.000

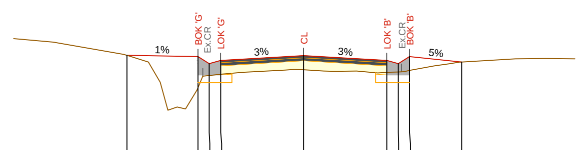
VEHICLE CROSSOVER AT No. 13 OF READ ROAD



DATUM 141.0

DESIGN SURFACE	142.444	142.437	142.347	142.387	142.453	142.387	142.347	142.437	142.578
DIFFERENCE (mm)	-0	742	526	281	207	254	-10	-66	0
EXISTING SURFACE	142.444	141.695	141.822	142.106	142.246	142.133	142.358	142.503	142.578
OFFSET	-3.447	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.223

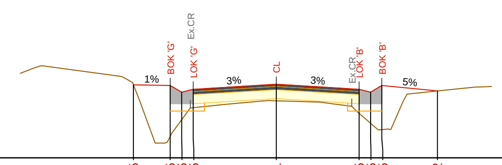
CH 110.000



DATUM 138.0

DESIGN SURFACE	139.264	139.246	139.156	139.196	139.262	139.196	139.156	139.246	139.177
DIFFERENCE (mm)	0	408	157	181	190	157	109	182	0
EXISTING SURFACE	139.264	138.837	138.998	139.014	139.072	139.039	139.046	139.064	139.177
OFFSET	-4.676	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.179

CH 70.000

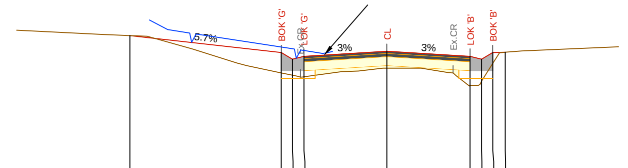


DATUM 139.0

DESIGN SURFACE	139.965	139.955	139.865	139.905	139.971	139.905	139.865	139.955	139.882
DIFFERENCE (mm)	0	672	363	242	218	319	410	583	0
EXISTING SURFACE	139.965	139.283	139.502	139.663	139.753	139.586	139.455	139.372	139.882
OFFSET	-3.777	-2.806	-2.506	-2.200	0.000	2.200	2.500	2.800	4.268

CH 80.000

PROPOSED CROSS OVER
+25mm MIN. CLEARANCE



DATUM 140.0

DESIGN SURFACE	141.774	141.547	141.457	141.497	141.563	141.497	141.457	141.547	141.551
DIFFERENCE (mm)	-0	270	212	270	223	391	292	142	0
EXISTING SURFACE	141.774	141.277	141.246	141.227	141.341	141.106	141.166	141.405	141.551
OFFSET	-6.800	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.127

VEHICLE CROSSOVER AT No. 14 OF READ ROAD

CH 100.000

CROSS-SECTIONS - READ ROAD - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'L'

2 1 0 2 4 — 1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
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02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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www.procivil.com.au

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - READ ROAD - CENTRELINE 'L' - CH 70.000 L - CH 120.000 L

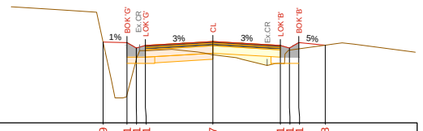
PROJECT No. PC20005
SHEET No. 55 OF 72
VERSION 09
DWG No. PC20005 - 55 - 09



AS2890,1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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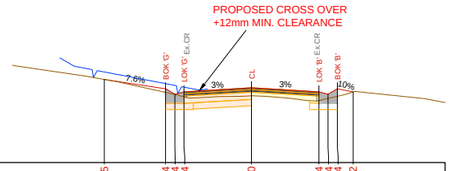
WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



DATUM 144.0

DESIGN SURFACE	-0	145.319	854	145.311	188	145.221	82	145.261	217	145.327	292	145.261	34	145.221	103	145.311	0	145.268					
DIFFERENCE (mm)																							
EXISTING SURFACE	-3.579	145.319	-2.800	144.457	-2.500	145.033	-2.200	145.179	0.000	145.110	2.200	144.969	2.500	145.187	2.800	145.208	3.662	145.268					
OFFSET																							

CH 140.000

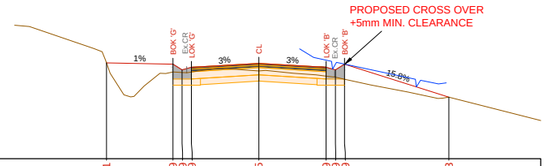


DATUM 146.0

DESIGN SURFACE	0	147.355	59	147.204	83	147.154	132	147.220	148	147.154	122	147.204	-0	147.152									
DIFFERENCE (mm)																							
EXISTING SURFACE	-4.800	147.355	-2.800	147.145	-2.500	147.188	-2.200	147.071	0.000	147.088	2.200	147.011	2.500	147.040	2.800	147.082	3.316	147.152					
OFFSET																							

VEHICLE CROSSOVER AT No. 10 OF READ ROAD

CH 162.000



DATUM 147.0

DESIGN SURFACE	-0	148.561	125	148.539	42	148.449	77	148.489	124	148.555	143	148.489	121	148.449	244	148.539	0	148.003					
DIFFERENCE (mm)																							
EXISTING SURFACE	-4.965	148.561	-2.800	148.414	-2.500	148.407	-2.200	148.422	0.000	148.431	2.200	148.346	2.500	148.328	2.800	148.295	6.200	148.003					
OFFSET																							

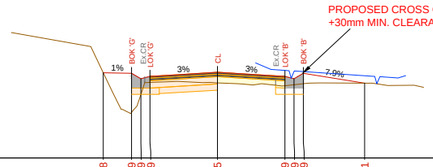
CH 180.000 VEHICLE CROSSOVER AT No. 7 OF READ ROAD



DATUM 143.0

DESIGN SURFACE	-0	144.389	491	144.380	387	144.296	285	144.336	162	144.402	279	144.336	143	144.296	98	144.386	-0	144.402					
DIFFERENCE (mm)																							
EXISTING SURFACE	-3.127	144.389	-2.800	143.969	-2.500	143.929	-2.200	144.051	0.000	144.240	2.200	144.057	2.500	144.153	2.800	144.288	4.363	144.402					
OFFSET																							

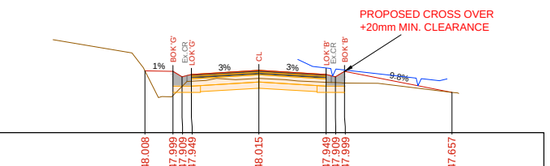
CH 130.000



DATUM 145.0

DESIGN SURFACE	0	146.388	636	146.379	295	146.290	999	146.329	170	146.395	153	146.329	155	146.290	169	146.379	0	146.221					
DIFFERENCE (mm)																							
EXISTING SURFACE	-3.725	146.388	-2.800	145.743	-2.500	146.144	-2.200	146.230	0.000	146.225	2.200	146.176	2.500	146.193	2.800	146.210	4.800	146.221					
OFFSET																							

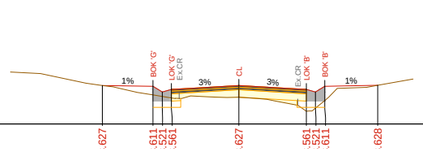
CH 152.000 VEHICLE CROSSOVER AT No. 9 OF READ ROAD



DATUM 147.0

DESIGN SURFACE	0	148.008	391	147.999	154	147.909	110	147.949	131	148.015	127	147.949	93	147.909	189	147.999	0	147.657					
DIFFERENCE (mm)																							
EXISTING SURFACE	-3.711	148.008	-2.800	147.608	-2.500	147.755	-2.200	147.839	0.000	147.884	2.200	147.822	2.500	147.816	2.800	147.810	6.300	147.657					
OFFSET																							

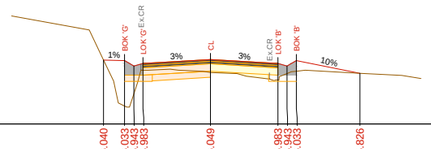
CH 172.000 VEHICLE CROSSOVER AT No. 7 OF READ ROAD



DATUM 143.0

DESIGN SURFACE	0	143.627	139	143.611	73	143.521	138	143.561	191	143.627	353	143.561	295	143.521	232	143.611	0	143.628					
DIFFERENCE (mm)																							
EXISTING SURFACE	-4.452	143.627	-2.800	143.472	-2.500	143.447	-2.200	143.423	0.000	143.436	2.200	143.208	2.500	143.255	2.800	143.379	4.531	143.628					
OFFSET																							

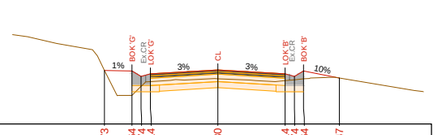
CH 121.617



DATUM 145.0

DESIGN SURFACE	0	146.040	742	146.033	452	145.941	108	145.983	211	146.049	268	145.983	175	145.941	175	146.033	-0	145.826					
DIFFERENCE (mm)																							
EXISTING SURFACE	-3.486	146.040	-2.800	146.282	-2.500	146.401	-2.200	145.875	0.000	146.838	2.200	146.716	2.500	146.727	2.800	146.858	4.878	145.826					
OFFSET																							

CH 147.810



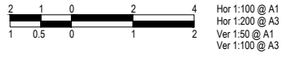
DATUM 147.0

DESIGN SURFACE	-0	147.873	399	147.864	162	147.774	123	147.814	143	147.880	108	147.814	54	147.774	130	147.864	0	147.747					
DIFFERENCE (mm)																							
EXISTING SURFACE	-3.693	147.873	-2.800	147.465	-2.500	147.612	-2.200	147.691	0.000	147.737	2.200	147.706	2.500	147.720	2.800	147.734	3.970	147.747					
OFFSET																							

CH 170.000

CROSS-SECTIONS - READ ROAD - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'L'

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE



Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
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CIVIL ENGINEERING DESIGN: KURT CHAMBERLAIN
TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

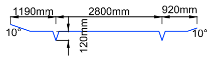
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - READ ROAD - CENTRELINE 'L' - CH 121.617 L - CH 180.000 L

PROJECT No. PC20005
SHEET No. 56 OF 72
VERSION 09
DWG No. PC20005 - 56 - 09

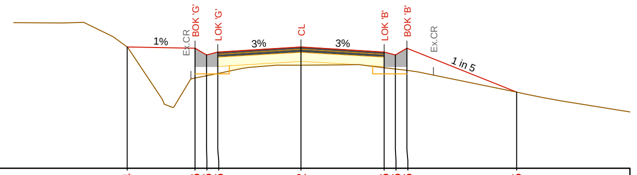


AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

WARNING

BEWARE OF UNDERGROUND SERVICES

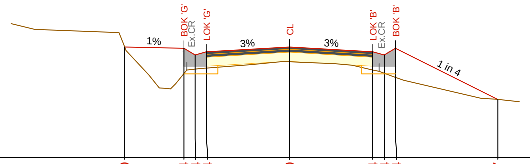
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



DATUM 149.0

DESIGN SURFACE	150.604	150.586	150.496	150.536	150.602	150.536	150.496	150.586	150.005
DIFFERENCE (mm)	-0	394	274	283	240	207	185	293	-0
EXISTING SURFACE	150.604	150.192	150.223	150.253	150.363	150.329	150.311	150.293	150.005
OFFSET	-4.601	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	5.706

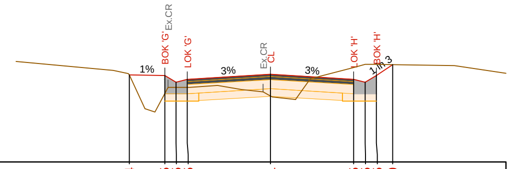
CH 211.120



DATUM 148.0

DESIGN SURFACE	149.460	149.444	149.354	149.394	149.460	149.394	149.354	149.444	148.767
DIFFERENCE (mm)	-0	336	187	213	195	238	240	385	-0
EXISTING SURFACE	149.460	149.108	149.167	149.181	149.265	149.156	149.114	149.059	148.767
OFFSET	-4.365	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	5.507

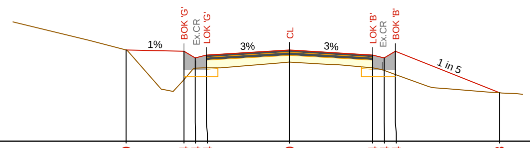
CH 193.815



DATUM 152.0

DESIGN SURFACE	153.154	153.145	153.055	153.095	153.161	153.095	153.055	153.145	153.289
DIFFERENCE (mm)	-0	238	67	106	285	-158	-237	-148	-0
EXISTING SURFACE	153.154	152.906	152.987	152.989	152.876	153.253	153.292	153.292	153.289
OFFSET	-3.736	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.232

CH 240.000

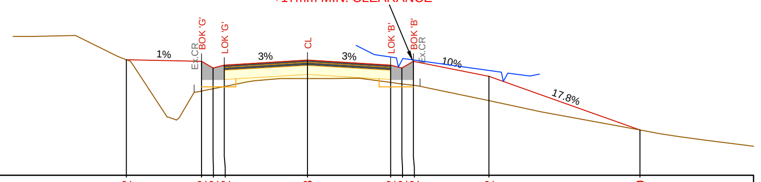


DATUM 148.0

DESIGN SURFACE	149.209	149.194	149.104	149.144	149.210	149.144	149.104	149.194	148.643
DIFFERENCE (mm)	0	376	139	171	162	172	165	309	0
EXISTING SURFACE	149.209	148.818	148.965	148.974	149.048	148.972	148.939	148.885	148.643
OFFSET	-4.327	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	5.558

CH 190.000

PROPOSED CROSS OVER
+17mm MIN. CLEARANCE



DATUM 149.0

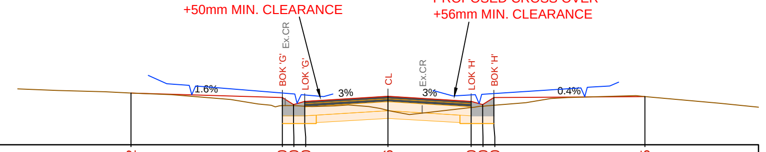
DESIGN SURFACE	150.532	150.512	150.422	150.462	150.528	150.462	150.422	150.512	150.312	149.600
DIFFERENCE (mm)	-0	395	275	285	246	231	211	320	323	0
EXISTING SURFACE	150.532	150.117	150.147	150.177	150.283	150.231	150.212	150.192	149.989	149.600
OFFSET	-4.792	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.800	8.800

CH 210.000

VEHICLE CROSSOVER AT No. 13 OF WINIFRED STREET

PROPOSED CROSS OVER
+50mm MIN. CLEARANCE

PROPOSED CROSS OVER
+56mm MIN. CLEARANCE



DATUM 152.0

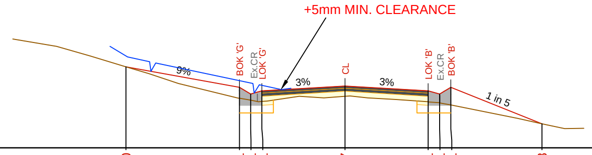
DESIGN SURFACE	152.682	152.620	152.530	152.570	152.636	152.570	152.530	152.620	152.635
DIFFERENCE (mm)	0	107	14	62	186	79	22	101	0
EXISTING SURFACE	152.682	152.513	152.516	152.508	152.450	152.490	152.507	152.519	152.635
OFFSET	-6.800	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	6.800

VEHICLE CROSSOVER AT No. 6 OF READ ROAD

CH 235.000

VEHICLE CROSSOVER AT No. 22 OF WINIFRED STREET

PROPOSED CROSS OVER
+5mm MIN. CLEARANCE

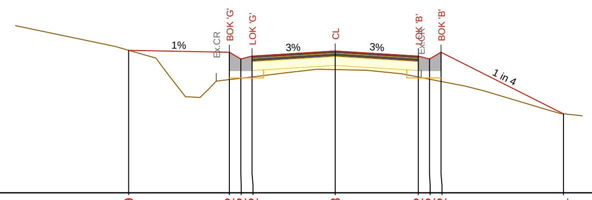


DATUM 148.0

DESIGN SURFACE	149.070	148.801	148.711	148.751	148.817	148.751	148.711	148.801	148.318
DIFFERENCE (mm)	0	146	83	139	137	144	117	237	-0
EXISTING SURFACE	149.070	148.655	148.628	148.612	148.680	148.607	148.594	148.564	148.318
OFFSET	-5.800	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	5.214

VEHICLE CROSSOVER AT No. 8 OF READ ROAD

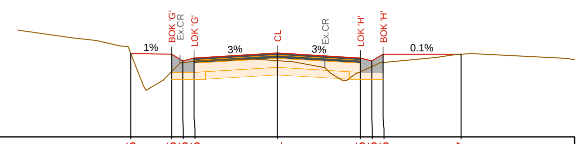
CH 184.000



DATUM 148.0

DESIGN SURFACE	149.879	149.852	149.762	149.802	149.868	149.802	149.762	149.852	149.041
DIFFERENCE (mm)	0	358	251	273	244	277	266	384	-0
EXISTING SURFACE	149.879	149.494	149.512	149.529	149.624	149.525	149.496	149.468	149.041
OFFSET	-5.466	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	6.043

CH 200.000



DATUM 151.0

DESIGN SURFACE	152.105	152.095	152.005	152.045	152.111	152.045	152.005	152.095	152.097
DIFFERENCE (mm)	-0	230	21	47	102	180	72	110	-0
EXISTING SURFACE	152.105	151.865	151.983	151.997	152.009	151.864	151.932	151.985	152.097
OFFSET	-3.876	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.870

CH 230.000

CROSS-SECTIONS - READ ROAD - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'L'

Scale: 2 1 0 2 4 / 1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
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02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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www.procivil.com.au

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE	AS SHOWN @ A1
HEIGHT DATUM	AHD
COORDINATE DATUM	MGA 2020 ZONE 55
SURVEY DATE	24-02-2021
AERIAL IMAGE DATE	12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES

CLIENT: Yarra Ranges Council

CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - READ ROAD - CENTRELINE 'L' - CH 184.000 L - CH 240.000 L

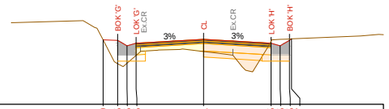
PROJECT No.	PC20005
SHEET No.	57 OF 72
VERSION	09
DWG No.	PC20005 - 57 - 09



AS2890,1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

BEFORE YOU DIG www.byda.com.au

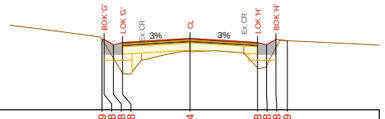
WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



DATUM 154.0

DESIGN SURFACE	155.049							155.061								154.995	154.995	154.995	155.067				
DIFFERENCE (mm)	0							201								-32	-104	-21	0				
EXISTING SURFACE	155.049							154.860								155.027	155.099	155.088	155.067				
OFFSET	-3.277							0.000								2.200	2.500	2.800	2.867				

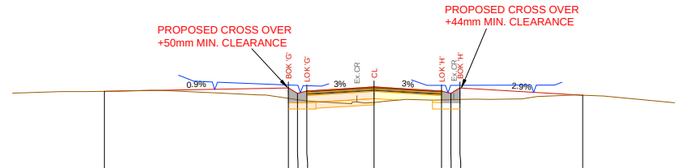
CH 260.000



DATUM 155.0

DESIGN SURFACE	156.149							156.164								156.098	156.058	155.488	156.129				
DIFFERENCE (mm)	0							210								411	340	123	0				
EXISTING SURFACE	156.149							155.954								156.687	156.717	155.616	156.129				
OFFSET	-2.870							0.000								2.200	2.500	2.800	3.173				

CH 271.032



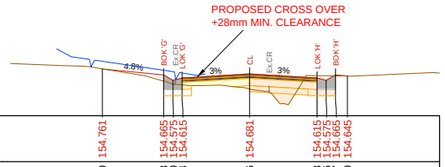
DATUM 157.0

DESIGN SURFACE	158.261							158.315	158.225	158.265						158.331				158.265	158.315	158.197	
DIFFERENCE (mm)	0							168	100	160						250				144	190	-0	
EXISTING SURFACE	158.261							158.146	158.125	158.104						158.080				158.121	158.125	158.197	
OFFSET	-8.800							-2.800	-2.500	-2.200						0.000				2.200	2.800	6.800	

VEHICLE CROSSOVER AT No. 4 OF READ ROAD

CH 293.841

VEHICLE CROSSOVER AT No. 3 OF READ ROAD

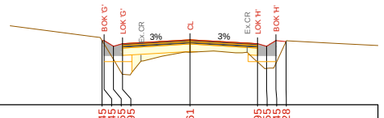


DATUM 154.0

DESIGN SURFACE	154.761							154.681								154.615	154.575	154.615	154.645				
DIFFERENCE (mm)	-0							246								-38	-76	-17	0				
EXISTING SURFACE	154.761							154.435								154.652	154.651	154.632	154.645				
OFFSET	-4.800							0.000								2.200	2.500	2.800	3.194				

VEHICLE CROSSOVER AT No. 6 OF READ ROAD

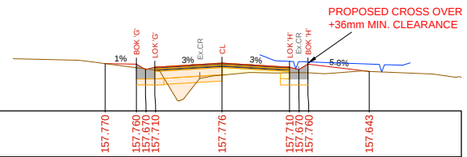
CH 256.000



DATUM 155.0

DESIGN SURFACE	156.045							156.061								155.995	155.955	156.028					
DIFFERENCE (mm)	0							203								297	361	371	0				
EXISTING SURFACE	156.045							155.857								155.698	155.594	155.657	156.028				
OFFSET	-2.867							0.000								2.200	2.500	2.800	3.130				

CH 270.000

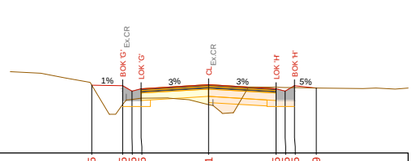


DATUM 157.0

DESIGN SURFACE	157.770							157.776								157.710	157.670	157.760	157.643				
DIFFERENCE (mm)	-0							195								90	47	141	-0				
EXISTING SURFACE	157.770							157.580								157.620	157.622	157.619	157.643				
OFFSET	-3.817							0.000								2.200	2.500	2.800	4.800				

CH 288.000

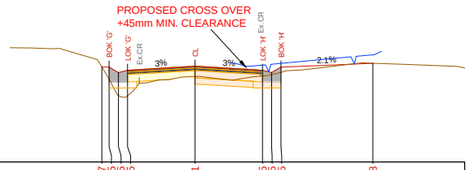
VEHICLE CROSSOVER AT No. 5 OF READ ROAD



DATUM 153.0

DESIGN SURFACE	154.105							154.111								154.045	154.005	154.045	154.059				
DIFFERENCE (mm)	-0							324								-24	-82	30	0				
EXISTING SURFACE	154.105							153.787								154.069	154.087	154.064	154.059				
OFFSET	-3.814							0.000								2.200	2.500	2.800	3.512				

CH 250.000

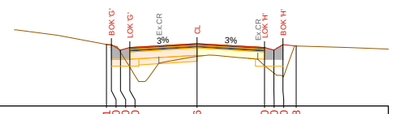


DATUM 154.0

DESIGN SURFACE	155.547							155.561								155.495	155.455	155.545		155.608			
DIFFERENCE (mm)	0							168								93	35	84		0			
EXISTING SURFACE	155.547							155.392								155.401	155.420	155.461		155.608			
OFFSET	-3.040							0.000								2.200	2.500	2.800		5.800			

CH 265.000

VEHICLE CROSSOVER AT No. 22 OF WINIFRED STREET



DATUM 156.0

DESIGN SURFACE	157.001							157.016								156.950	156.910	156.950		156.978			
DIFFERENCE (mm)	0							210								293	134	520		-0			
EXISTING SURFACE	157.001							156.806								156.657	156.776	156.480		156.978			
OFFSET	-2.866							0.000								2.200	2.500	2.800		3.234			

CH 280.000

CROSS-SECTIONS - READ ROAD - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'L'

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE



Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
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CIVIL ENGINEERING DESIGN: KURT CHAMBERLAIN
TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - READ ROAD - CENTRELINE 'L' - CH 250.000 L - CH 293.841 L

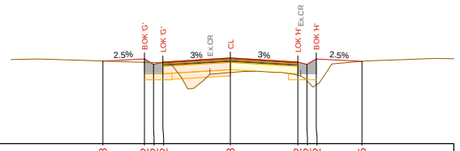
PROJECT No. PC20005
SHEET No. 58 OF 72
VERSION 09
DWG No. PC20005 - 58 - 09



AS2890,1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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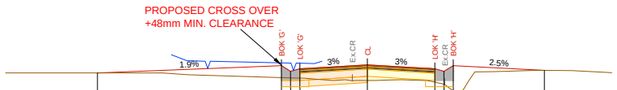
WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



DATUM 159.0

DESIGN SURFACE	-0	160.348	160.382	160.327	160.332	160.398	160.332	160.327	160.382	160.345				
DIFFERENCE (mm)			55	55	15	238	217	261	417	0				
EXISTING SURFACE	160.348		160.327	160.272	160.318	160.161	160.116	160.070	159.965	160.345				
OFFSET	-4.153		-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.293				

CH 320.000

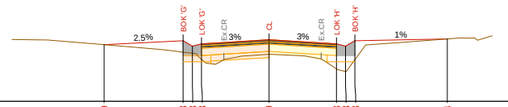


DATUM 159.0

DESIGN SURFACE	0	159.491	159.607	159.557	159.557	159.623	159.557	159.557	159.607	159.533				
DIFFERENCE (mm)			191	150	150	256	217	211	406	0				
EXISTING SURFACE	159.491		159.416	159.407	159.407	159.368	159.340	159.346	159.201	159.533				
OFFSET	-8.800		-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	5.771				

VEHICLE CROSSOVER AT No. 2 OF READ ROAD

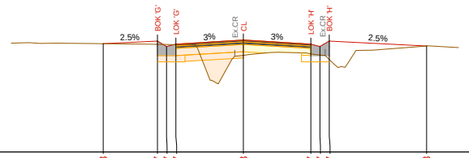
CH 310.000



DATUM 161.0

DESIGN SURFACE	-0	161.919	161.983	161.893	161.933	161.999	161.933	161.893	161.983	162.014				
DIFFERENCE (mm)			184	112	250	235	406	408	309	-0				
EXISTING SURFACE	161.919		161.799	161.782	161.684	161.764	161.527	161.485	161.674	162.014				
OFFSET	-5.377		-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	5.815				

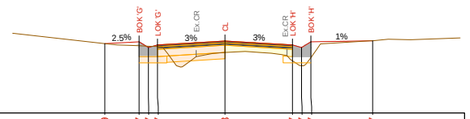
CH 338.931



DATUM 157.0

DESIGN SURFACE	0	158.763	158.807	158.751	158.757	158.823	158.757	158.757	158.807	158.728				
DIFFERENCE (mm)			54	63	9	248	159	138	300	-0				
EXISTING SURFACE	158.763		158.753	158.751	158.748	158.575	158.598	158.619	158.508	158.728				
OFFSET	-4.570		-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	5.975				

CH 300.000



DATUM 160.0

DESIGN SURFACE	-0	161.129	161.157	161.067	161.107	161.173	161.107	161.067	161.157	161.177				
DIFFERENCE (mm)			64	-21	25	187	259	296	256	-0				
EXISTING SURFACE	161.129		161.093	161.088	161.083	160.986	160.848	160.771	160.902	161.177				
OFFSET	-3.922		-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.816				

CH 330.000

CROSS-SECTIONS - READ ROAD - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'L'

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE



Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
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04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
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02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

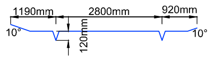
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - READ ROAD - CENTRELINE 'L' - CH 300.000 L - CH 338.931 L

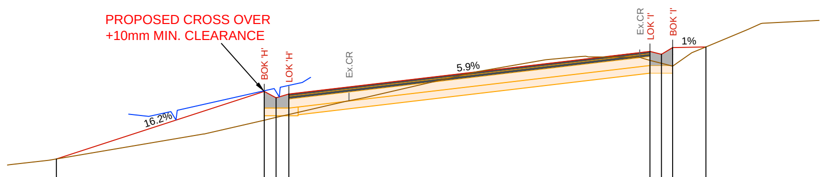
PROJECT No. PC20005
SHEET No. 59 OF 72
VERSION 09
DWG No. PC20005 - 59 - 09



AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)



WARNING
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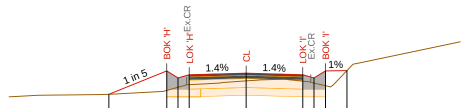


DATUM 160.0

DESIGN SURFACE	160.700	161.592	161.509	161.561	162.124	162.084	162.174	162.183
DIFFERENCE (mm)	0	379	259	272	119	118	248	0
EXISTING SURFACE	160.700	161.214	161.250	161.289	162.005	161.966	161.926	162.183
OFFSET	-15.719	-10.219	-9.900	-9.568	0.000	0.300	0.600	1.477

VEHICLE CROSSOVER AT No. 1 OF READ ROAD

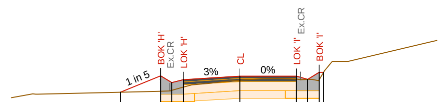
CH 11.000



DATUM 162.0

DESIGN SURFACE	163.090	163.396	163.306	163.346	163.367	163.346	163.306	163.396	163.401
DIFFERENCE (mm)	0	256	124	130	102	84	68	194	-0
EXISTING SURFACE	163.090	163.140	163.181	163.216	163.265	163.262	163.238	163.202	163.401
OFFSET	-5.127	-3.600	-3.300	-3.000	-1.500	0.000	0.300	0.600	1.172

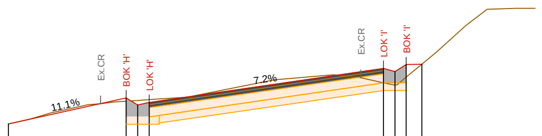
CH 27.719



DATUM 162.0

DESIGN SURFACE	163.172	163.386	163.296	163.336	163.381	163.381	163.341	163.431	163.432
DIFFERENCE (mm)	0	201	101	99	54	39	3	94	0
EXISTING SURFACE	163.172	163.185	163.195	163.237	163.327	163.342	163.338	163.337	163.432
OFFSET	-4.668	-3.600	-3.300	-3.000	-1.500	0.000	0.300	0.600	0.719

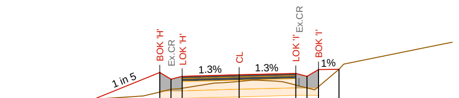
CH 43.156



DATUM 160.0

DESIGN SURFACE	160.656	161.001	160.907	160.942	161.389	161.349	161.439	161.444
DIFFERENCE (mm)	0	44	-61	-35	188	180	165	-0
EXISTING SURFACE	160.656	160.957	160.967	160.977	161.201	161.170	161.275	161.444
OFFSET	-9.925	-6.812	-6.505	-6.197	0.000	0.300	0.600	1.012

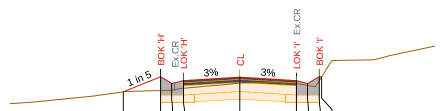
CH 4.000



DATUM 162.0

DESIGN SURFACE	162.770	163.119	163.029	163.069	163.089	163.108	163.068	163.158	163.164
DIFFERENCE (mm)	-0	258	129	157	85	154	151	223	-0
EXISTING SURFACE	162.770	162.861	162.900	162.912	163.003	162.954	162.918	162.935	163.164
OFFSET	-5.344	-3.600	-3.300	-3.000	-1.500	0.000	0.300	0.600	1.144

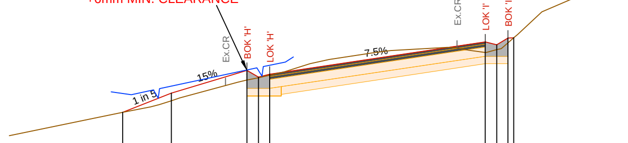
CH 22.574



DATUM 163.0

DESIGN SURFACE	163.336	163.534	163.444	163.484	163.529	163.484	163.444	163.534	163.534
DIFFERENCE (mm)	0	181	87	103	81	46	24	54	-0
EXISTING SURFACE	163.336	163.353	163.357	163.381	163.448	163.438	163.419	163.480	163.534
OFFSET	-4.591	-3.600	-3.300	-3.000	-1.500	0.000	0.300	0.600	0.669

CH 38.011

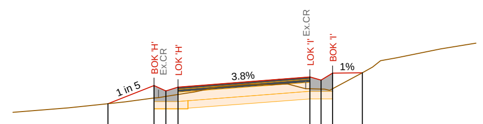


DATUM 159.0

DESIGN SURFACE	160.115	160.372	160.672	160.582	160.622	161.049	161.010	161.100	161.101
DIFFERENCE (mm)	-0	101	130	7	13	140	65	63	0
EXISTING SURFACE	160.115	160.271	160.542	160.575	160.609	160.909	160.945	161.036	161.101
OFFSET	-9.586	-8.300	-6.300	-6.000	-5.700	0.000	0.300	0.600	0.752

VEHICLE CROSSOVER AT No. 11 OF PAYNES ROAD

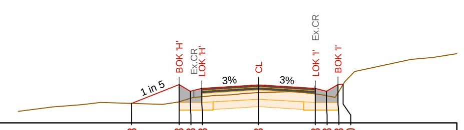
CH 0.000



DATUM 162.0

DESIGN SURFACE	162.524	162.767	162.691	162.745	162.878	162.838	162.928	162.936
DIFFERENCE (mm)	0	168	69	99	156	118	207	-0
EXISTING SURFACE	162.524	162.598	162.622	162.646	162.722	162.721	162.722	162.936
OFFSET	-5.340	-4.126	-3.808	-3.491	0.000	0.300	0.600	1.392

CH 19.367



DATUM 163.0

DESIGN SURFACE	163.258	163.508	163.418	163.458	163.503	163.458	163.418	163.508	163.510
DIFFERENCE (mm)	-0	229	95	112	103	73	57	112	-0
EXISTING SURFACE	163.258	163.279	163.323	163.346	163.400	163.385	163.361	163.396	163.510
OFFSET	-4.850	-3.600	-3.300	-3.000	-1.500	0.000	0.300	0.600	0.742

CH 32.865

CROSS-SECTIONS - PAYNES ROAD - REFERENCE LINE (OFFSET 0.00) - LIP OF KERB 'I'

Scale bar: 2 1 0 2 4 / 1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
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SURVEY DATE: 24-02-2021
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LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

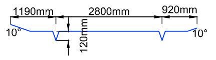
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

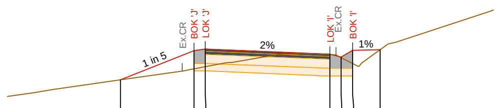
BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - PAYNES ROAD - LIP OF KERB 'I' - CH 0.000 I - CH 43.156 I

PROJECT No. PC20005
SHEET No. 60 OF 72
VERSION 09
DWG No. PC20005 - 60 - 09



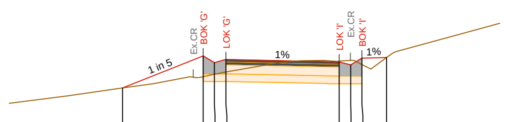
AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)



DATUM 162.0

DESIGN SURFACE	162.437	162.825	162.845	162.779	162.739	162.829	162.837
DIFFERENCE (mm)	-0	241	234	5	8	175	0
EXISTING SURFACE	162.437	162.584	162.612	162.774	162.731	162.654	162.837
OFFSET	-5.541	-3.600	-3.300	0.000	0.300	0.600	1.332

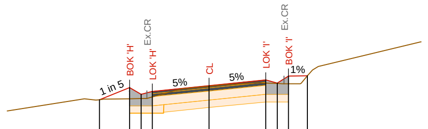
CH 70.000



DATUM 162.0

DESIGN SURFACE	162.464	162.890	162.800	162.840	162.810	162.770	162.860	162.867
DIFFERENCE (mm)	0	275	152	164	-9	-58	86	-0
EXISTING SURFACE	162.464	162.616	162.648	162.676	162.819	162.828	162.774	162.867
OFFSET	-5.734	-3.600	-3.300	-3.000	0.000	0.300	0.600	1.247

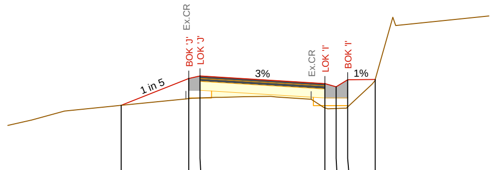
CH 66.876



DATUM 162.0

DESIGN SURFACE	163.046	163.206	163.116	163.156	163.231	163.306	163.266	163.356	163.361
DIFFERENCE (mm)	0	147	54	73	8	41	7	100	0
EXISTING SURFACE	163.046	163.059	163.062	163.083	163.223	163.265	163.259	163.256	163.361
OFFSET	-4.398	-3.600	-3.300	-3.000	-1.500	0.000	0.300	0.600	1.102

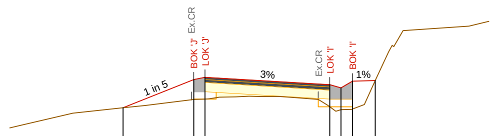
CH 46.902



DATUM 160.0

DESIGN SURFACE	160.952	161.308	161.339	161.239	161.199	161.289	161.296
DIFFERENCE (mm)	0	267	291	321	290	359	-0
EXISTING SURFACE	160.952	161.041	161.048	160.918	160.909	160.930	161.296
OFFSET	-5.380	-3.600	-3.300	0.000	0.300	0.600	1.333

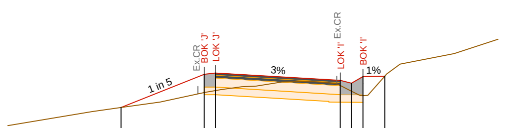
CH 100.000



DATUM 160.0

DESIGN SURFACE	161.376	161.749	161.780	161.681	161.641	161.731	161.737
DIFFERENCE (mm)	0	263	288	290	289	372	0
EXISTING SURFACE	161.376	161.486	161.493	161.391	161.352	161.359	161.737
OFFSET	-5.466	-3.600	-3.300	0.000	0.300	0.600	1.208

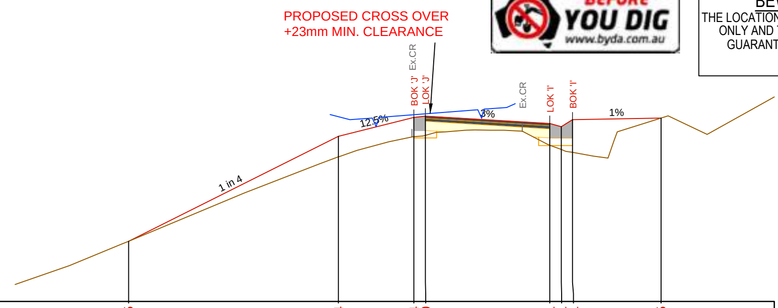
CH 95.000



DATUM 161.0

DESIGN SURFACE	162.294	162.733	162.753	162.654	162.614	162.704	162.710
DIFFERENCE (mm)	-0	241	233	69	103	251	-0
EXISTING SURFACE	162.294	162.492	162.520	162.586	162.511	162.453	162.710
OFFSET	-5.797	-3.600	-3.300	0.000	0.300	0.600	1.176

CH 75.000

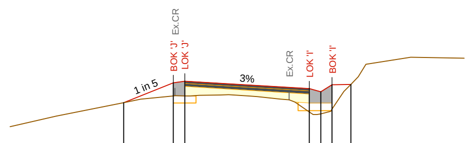


DATUM 156.0

DESIGN SURFACE	156.795	158.184	158.434	158.450	158.351	158.311	158.401	158.425
DIFFERENCE (mm)	-0	273	258	255	286	304	432	-0
EXISTING SURFACE	156.795	157.911	158.177	158.196	158.066	158.008	157.969	158.425
OFFSET	-11.156	-5.600	-3.600	-3.300	0.000	0.300	0.600	2.943

VEHICLE CROSSOVER AT No. 15 OF PAYNES ROAD

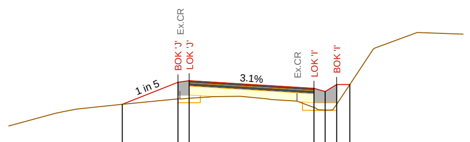
CH 127.000



DATUM 158.0

DESIGN SURFACE	159.455	159.718	159.738	159.639	159.599	159.689	159.694
DIFFERENCE (mm)	0	174	195	309	292	322	0
EXISTING SURFACE	159.455	159.544	159.544	159.330	159.307	159.367	159.694
OFFSET	-4.915	-3.600	-3.300	0.000	0.300	0.600	1.094

CH 113.967



DATUM 159.0

DESIGN SURFACE	160.064	160.358	160.378	160.276	160.236	160.326	160.330
DIFFERENCE (mm)	0	222	233	252	246	260	-0
EXISTING SURFACE	160.064	160.136	160.145	160.024	159.990	160.066	160.330
OFFSET	-5.073	-3.600	-3.300	0.000	0.300	0.600	0.952

CH 108.572

WARNING

BEWARE OF UNDERGROUND SERVICES

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CROSS-SECTIONS - PAYNES ROAD - REFERENCE LINE (OFFSET 0.00) - LIP OF KERB 'I'

2 1 0 2 4 — Hor 1:100 @ A1, Hor 1:200 @ A3
1 0.5 0 1 2 — Ver 1:50 @ A1, Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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E: info@procivil.com.au
www.procivil.com.au

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

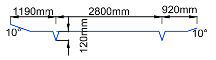
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - PAYNES ROAD - LIP OF KERB 'I' - CH 46.906 I - CH 127.000 I

PROJECT No. PC20005
SHEET No. 61 OF 72
VERSION 09
DWG No. PC20005 - 61- 09



AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

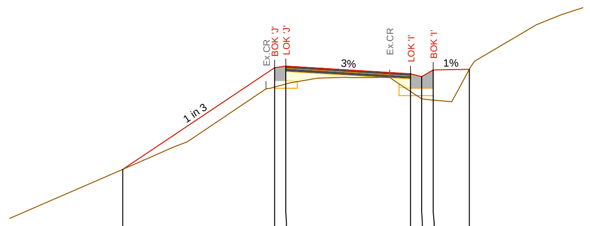
APPROXIMATELY 25mm VERTICAL CLEARANCE BETWEEN SUBBASE OF PROPOSED FULL DEPTH PAVEMENT AND OBVERT OF EXISTING ELECTRICAL CONDUIT

PROPOSED DESIGN OF ROAD PAVEMENT DOES NOT MEET MINIMUM VERTICAL CLEARANCE REQUIREMENTS

CONTRACTOR TO INVESTIGATE EXISTING LOCATION OF ELECTRICAL CONDUIT PRIOR TO CONSTRUCTION COMMENCING AND RESOLVE VERTICAL CLEARANCE REQUIREMENT IN LIAISON WITH YARRA RANGES SHIRE COUNCIL

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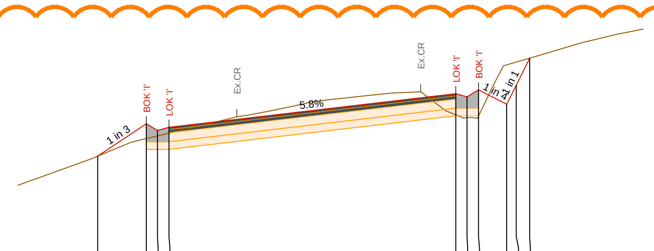
WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



DATUM 155.0

DESIGN SURFACE	155.809	157.148	157.168	157.069	157.029	157.119	157.129
DIFFERENCE (mm)	0	255	234	233	293	398	0
EXISTING SURFACE	155.809	156.894	156.934	156.836	156.737	156.721	157.129
OFFSET	-7.619	-3.600	-3.300	0.000	0.300	0.600	1.561

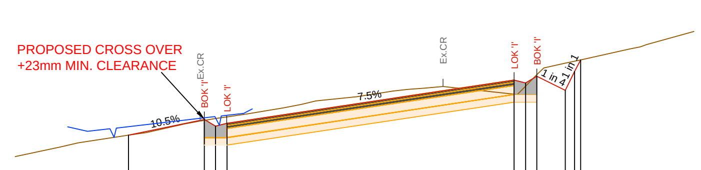
CH 150.000



DATUM 154.0

DESIGN SURFACE	155.313	155.741	155.653	155.695	156.139	156.099	156.189	156.001	156.251	156.611
DIFFERENCE (mm)	0	195	71	77	279	276	344	-519	-306	0
EXISTING SURFACE	155.313	155.546	155.582	155.618	155.860	155.823	155.845	156.521	156.558	156.611
OFFSET	-9.479	-8.196	-7.895	-7.594	0.000	0.300	0.600	1.350	1.600	1.960

CH 170.000

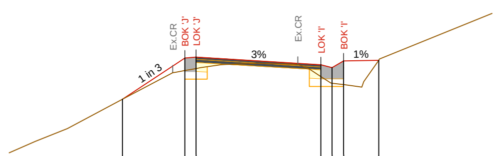


DATUM 154.0

DESIGN SURFACE	154.797	155.006	154.916	154.956	155.526	155.486	155.576	155.389	155.639	155.794
DIFFERENCE (mm)	0	13	-100	-83	185	39	-20	-361	-138	0
EXISTING SURFACE	154.797	154.993	155.016	155.039	155.341	155.447	155.597	155.750	155.777	155.794
OFFSET	-10.200	-8.200	-7.900	-7.600	0.000	0.300	0.600	1.350	1.600	1.756

VEHICLE CROSSOVER AT No. 17 OF PAYNES ROAD

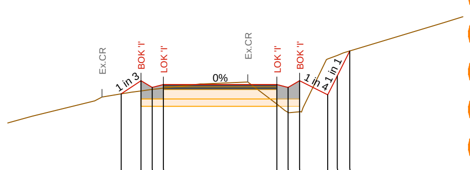
CH 181.314



DATUM 156.0

DESIGN SURFACE	156.972	157.521	157.531	157.432	157.392	157.482	157.491
DIFFERENCE (mm)	0	169	151	157	206	316	-0
EXISTING SURFACE	156.972	157.352	157.380	157.275	157.186	157.166	157.491
OFFSET	-5.245	-3.600	-3.300	0.000	0.300	0.600	1.532

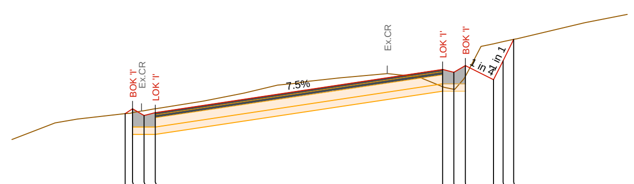
CH 140.000



DATUM 155.0

DESIGN SURFACE	156.232	156.407	156.317	156.357	156.357	156.317	156.407	156.219	156.469	156.800
DIFFERENCE (mm)	-0	134	25	46	260	327	409	-476	-274	-0
EXISTING SURFACE	156.232	156.272	156.292	156.311	156.097	155.990	155.998	156.695	156.743	156.800
OFFSET	-4.124	-3.600	-3.300	-3.000	0.000	0.300	0.600	1.350	1.600	1.931

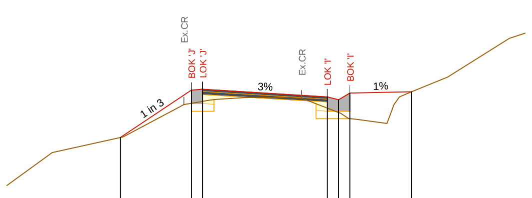
CH 165.612



DATUM 154.0

DESIGN SURFACE	155.156	155.222	155.132	155.172	155.742	155.702	155.792	155.604	155.854	156.138
DIFFERENCE (mm)	0	53	-64	-48	227	221	141	-477	-254	0
EXISTING SURFACE	155.156	155.169	155.195	155.220	155.515	155.481	155.650	156.081	156.108	156.138
OFFSET	-8.398	-8.200	-7.900	-7.600	0.000	0.300	0.600	1.350	1.600	1.884

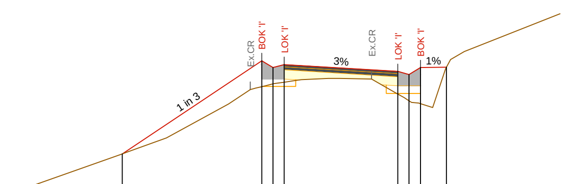
CH 178.000



DATUM 156.0

DESIGN SURFACE	157.180	157.807	157.817	157.718	157.678	157.768	157.785
DIFFERENCE (mm)	0	176	161	148	166	337	-0
EXISTING SURFACE	157.180	157.631	157.657	157.570	157.512	157.431	157.785
OFFSET	-5.481	-3.600	-3.300	0.000	0.300	0.600	2.235

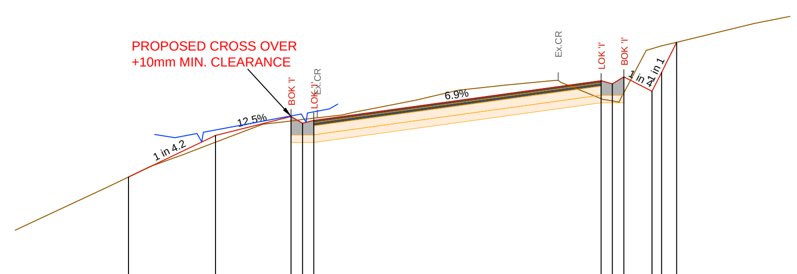
CH 135.000



DATUM 155.0

DESIGN SURFACE	155.735	156.964	156.874	156.914	156.824	156.784	156.874	156.881
DIFFERENCE (mm)	0	342	216	233	298	350	477	-0
EXISTING SURFACE	155.735	156.623	156.658	156.681	156.526	156.434	156.398	156.881
OFFSET	-7.289	-3.600	-3.300	-3.000	0.000	0.300	0.600	1.293

CH 157.112



DATUM 153.0

DESIGN SURFACE	154.619	155.167	155.417	155.327	155.367	155.891	155.851	155.941	155.753	156.003	156.401
DIFFERENCE (mm)	0	89	56	-51	-29	237	227	209	-563	-349	0
EXISTING SURFACE	154.619	155.078	155.360	155.378	155.396	155.654	155.624	155.731	156.316	156.353	156.401
OFFSET	-12.500	-10.200	-8.200	-7.900	-7.600	0.000	0.300	0.600	1.350	1.600	1.997

VEHICLE CROSSOVER AT No. 15 OF PAYNES ROAD

CH 175.000

CROSS-SECTIONS - PAYNES ROAD - REFERENCE LINE (OFFSET 0.00) - LIP OF KERB 'I'

2 1 0 2 4 — Hor 1:100 @ A1, Hor 1:200 @ A3
1 0.5 0 1 2 — Ver 1:50 @ A1, Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

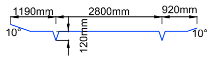
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - PAYNES ROAD - LIP OF KERB 'I' - CH 135.000 I - CH 181.314 I

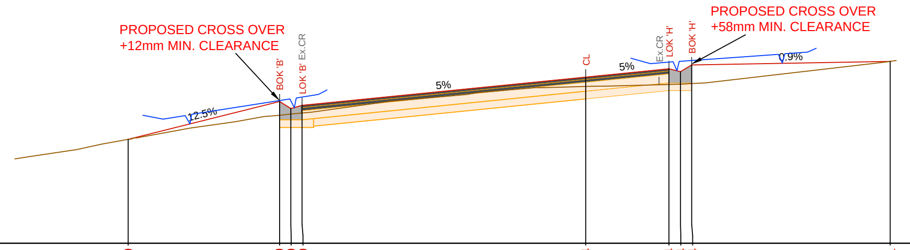
PROJECT No. PC20005
SHEET No. 62 OF 72
VERSION 09
DWG No. PC20005 - 62 - 09



AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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WARNING
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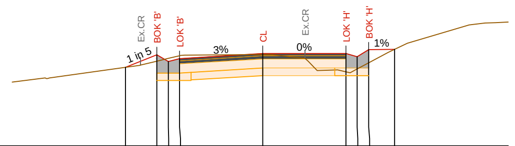
DATUM 147.0

DESIGN SURFACE	148.369	148.869	148.779	148.819	149.194	149.304	149.264	149.354	149.401
DIFFERENCE (mm)	0	179	75	102	126	209	164	248	0
EXISTING SURFACE	148.369	148.691	148.704	148.718	149.068	149.096	149.100	149.106	149.401
OFFSET	-12.100	-8.100	-7.800	-7.500	0.000	2.200	2.500	2.800	8.050

VEHICLE CROSSOVER AT No. 3A & 3B OF WINFRED STREET

CH 10.000

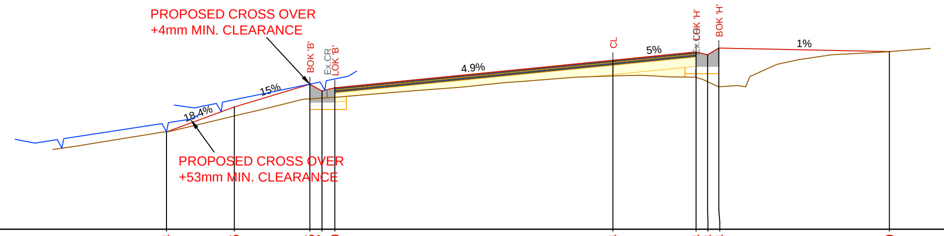
VEHICLE CROSSOVER AT No. 10 OF WINIFRED STREET



DATUM 148.0

DESIGN SURFACE	149.039	149.205	149.115	149.155	149.221	149.221	149.181	149.271	149.278
DIFFERENCE (mm)	0	84	-41	-36	14	242	163	172	-0
EXISTING SURFACE	149.039	149.121	149.156	149.191	149.207	148.979	149.019	149.099	149.278
OFFSET	-3.630	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.488

CH 27.062

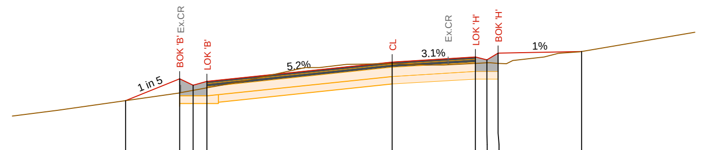


DATUM 147.0

DESIGN SURFACE	148.284	148.615	148.915	148.827	148.870	149.234	149.344	149.304	149.394	149.349
DIFFERENCE (mm)	-0	119	192	93	126	209	338	353	513	-0
EXISTING SURFACE	148.284	148.496	148.723	148.734	148.745	149.026	149.007	148.951	148.881	149.349
OFFSET	-11.816	-10.016	-8.016	-7.695	-7.360	0.000	2.200	2.500	2.800	7.317

VEHICLE CROSSOVER AT No. 3 OF WINFRED STREET

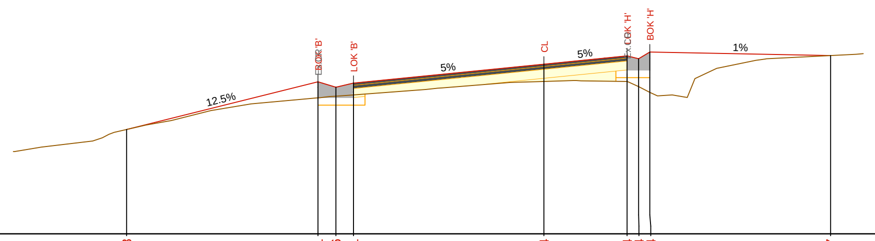
CH 2.000



DATUM 148.0

DESIGN SURFACE	148.681	148.967	148.884	148.932	149.188	149.255	149.215	149.305	149.327
DIFFERENCE (mm)	-0	184	69	84	23	85	38	133	0
EXISTING SURFACE	148.681	148.783	148.815	148.847	149.165	149.170	149.177	149.173	149.327
OFFSET	-7.056	-5.629	-5.267	-4.905	0.000	2.200	2.500	2.800	5.009

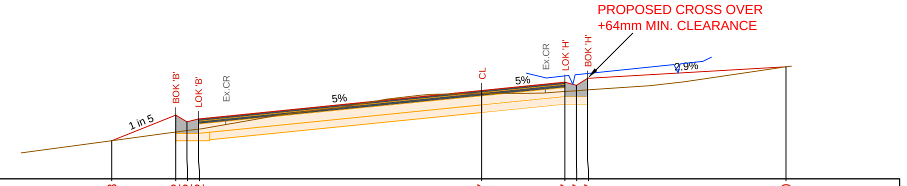
CH 20.000



DATUM 147.0

DESIGN SURFACE	148.378	149.011	148.936	148.991	149.244	149.354	149.314	149.404	149.357
DIFFERENCE (mm)	0	215	116	156	229	340	370	532	0
EXISTING SURFACE	148.378	148.796	148.820	148.835	149.016	149.014	148.945	148.872	149.357
OFFSET	-11.040	-5.977	-5.507	-5.037	0.000	2.200	2.500	2.800	7.583

CH 0.000



DATUM 148.0

DESIGN SURFACE	148.503	148.842	148.752	148.792	149.167	149.277	149.237	149.327	149.480
DIFFERENCE (mm)	-0	225	115	136	39	122	72	152	0
EXISTING SURFACE	148.503	148.616	148.636	148.656	149.128	149.154	149.164	149.174	149.480
OFFSET	-9.791	-8.100	-7.800	-7.500	0.000	2.200	2.500	2.800	8.050

CH 15.552

VEHICLE CROSSOVER AT No. 12 OF WINIFRED STREET

CROSS-SECTIONS - WINIFRED STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'N'

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

Scale: 2 1 0 2 4 / 1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
06	DETAILED DESIGN - ISSUED FOR REVIEW	06-10-2022
05	DETAILED DESIGN - ISSUED FOR REVIEW	30-05-2022
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	26-04-2022
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-11-2021
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	19-07-2021
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

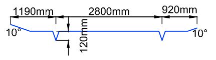
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD
AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - WINIFRED STREET - CENTRELINE 'N' - CH 0.000 N - CH 27.062 N

PROJECT No. PC20005
SHEET No. 63 OF 72
VERSION 09
DWG No. PC20005 - 63 - 09

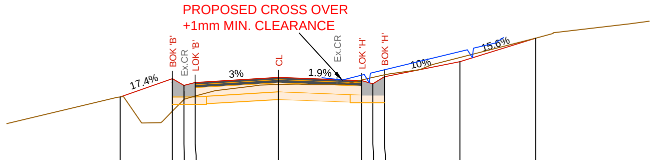


AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

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.

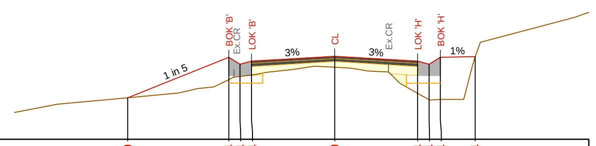


DATUM 148.0

DESIGN SURFACE	148.870	149.110	149.020	149.060	149.126	149.084	149.044	149.134	149.334	149.646
DIFFERENCE (mm)	0	426	183	181	94	-8	-81	-25	-56	-0
EXISTING SURFACE	148.870	148.684	148.837	148.880	149.033	149.092	149.125	149.159	149.390	149.646
OFFSET	-4.184	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.800	6.800

CH 46.000

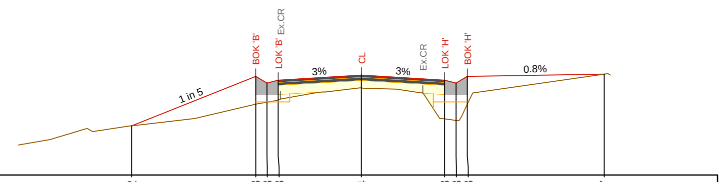
VEHICLE CROSSOVER AT No. 14 OF WINIFRED STREET



DATUM 148.0

DESIGN SURFACE	148.549	149.084	148.994	149.034	149.100	149.034	148.994	149.084	149.094
DIFFERENCE (mm)	-0	295	162	184	144	426	473	559	0
EXISTING SURFACE	148.549	148.789	148.832	148.850	148.956	148.608	148.522	148.525	149.094
OFFSET	-5.475	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.723

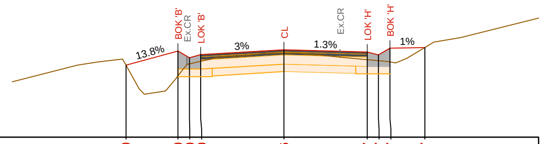
CH 60.000



DATUM 148.0

DESIGN SURFACE	148.652	149.308	149.218	149.258	149.324	149.258	149.218	149.308	149.337
DIFFERENCE (mm)	0	370	252	263	171	515	493	369	0
EXISTING SURFACE	148.652	148.938	148.966	148.995	149.153	148.743	148.725	148.939	149.337
OFFSET	-6.082	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	6.424

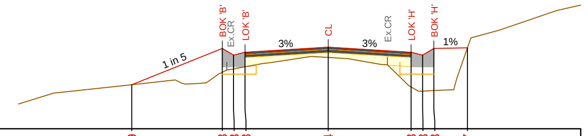
CH 90.000



DATUM 148.0

DESIGN SURFACE	148.950	149.140	149.050	149.090	149.156	149.127	149.087	149.177	149.187
DIFFERENCE (mm)	0	329	83	89	44	103	77	182	-0
EXISTING SURFACE	148.950	148.811	148.968	149.002	149.112	149.025	149.011	148.995	149.187
OFFSET	-4.178	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.728

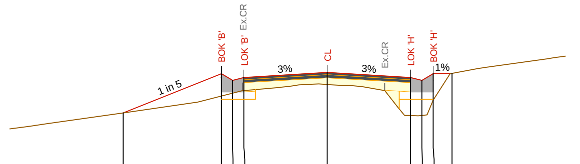
CH 40.000



DATUM 148.0

DESIGN SURFACE	148.579	149.058	148.968	149.008	149.074	149.008	148.968	149.058	149.067
DIFFERENCE (mm)	0	312	181	193	135	460	472	555	0
EXISTING SURFACE	148.579	148.746	148.787	148.815	148.939	148.548	148.496	148.503	149.067
OFFSET	-5.196	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.685

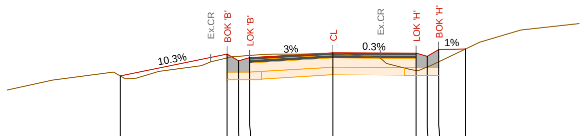
CH 56.472



DATUM 148.0

DESIGN SURFACE	148.714	149.233	149.143	149.183	149.249	149.183	149.143	149.233	149.238
DIFFERENCE (mm)	0	297	168	173	160	507	462	352	0
EXISTING SURFACE	148.714	148.937	148.975	149.011	149.089	148.677	148.681	148.882	149.238
OFFSET	-5.396	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.301

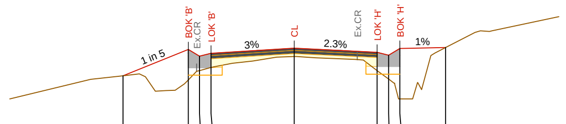
CH 80.000



DATUM 148.0

DESIGN SURFACE	148.900	149.190	149.100	149.140	149.206	149.200	149.160	149.250	149.257
DIFFERENCE (mm)	-0	53	-59	-30	13	228	140	161	0
EXISTING SURFACE	148.900	149.138	149.159	149.170	149.193	148.972	149.020	149.088	149.257
OFFSET	-5.630	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.516

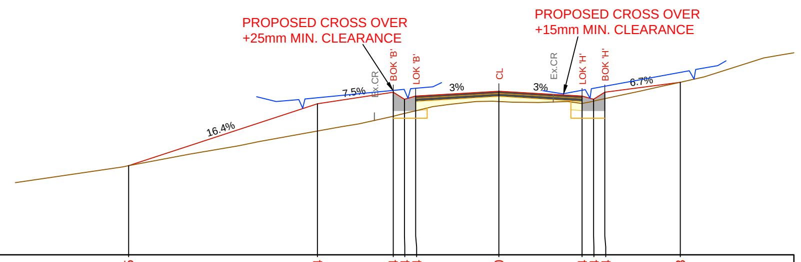
CH 30.000



DATUM 148.0

DESIGN SURFACE	148.746	149.090	149.000	149.040	149.106	149.055	149.015	149.105	149.117
DIFFERENCE (mm)	0	401	188	188	110	242	314	664	0
EXISTING SURFACE	148.746	148.690	148.812	148.853	148.996	148.813	148.701	148.441	149.117
OFFSET	-4.524	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.008

CH 50.000



DATUM 147.0

DESIGN SURFACE	148.175	148.994	149.144	149.054	149.094	149.160	149.094	149.054	149.144	149.278
DIFFERENCE (mm)	0	360	315	190	194	138	95	26	85	-0
EXISTING SURFACE	148.175	148.634	148.829	148.864	148.900	149.022	148.999	149.027	149.059	149.278
OFFSET	-9.800	-4.800	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	4.800

VEHICLE CROSSOVER AT No. 5 OF WINFRED STREET

CH 68.000

VEHICLE CROSSOVER AT No. 16 & 18 OF WINIFRED STREET

CROSS-SECTIONS - WINIFRED STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'N'

2 1 0 2 4
1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	16-07-2021

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

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

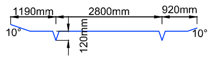
FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD
AND WINIFRED STREET, SEVILLE

CROSS-SECTIONS - WINIFRED STREET - CENTRELINE 'N' - CH 30.000 N - CH 90.000 N

PROJECT No. PC20005
SHEET No. 64 OF 72
VERSION 09
DWG No. PC20005 - 64 - 09



AS2890.1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

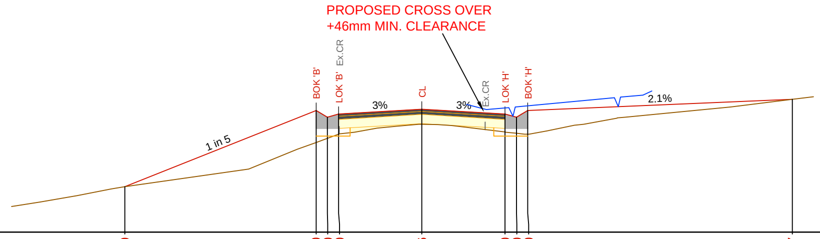


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CH 106.000



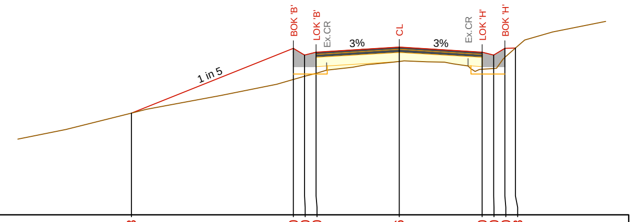
DATUM 148.0

DESIGN SURFACE	148.599	149.610	149.520	149.560	149.626	149.560	149.520	149.610	149.757
DIFFERENCE (mm)	0	424	279	264	200	236	214	314	0
EXISTING SURFACE	148.599	149.187	149.241	149.296	149.427	149.324	149.307	149.296	149.757
OFFSET	-7.857	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	9.800

CH 106.000

VEHICLE CROSSOVER AT No. 20 OF WINIFRED STREET

CH 123.776

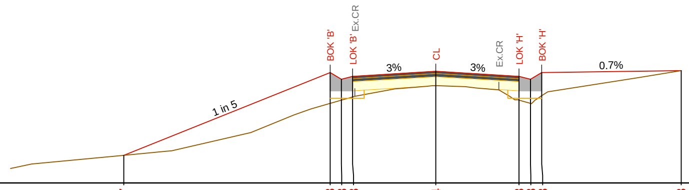


DATUM 148.0

DESIGN SURFACE	149.343	150.200	150.110	150.150	150.216	150.150	150.110	150.200	150.203
DIFFERENCE (mm)	-0	413	281	279	190	226	177	120	0
EXISTING SURFACE	149.343	149.787	149.829	149.871	150.026	149.924	149.933	150.080	150.203
OFFSET	-7.085	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.077

CH 123.776

CH 100.000

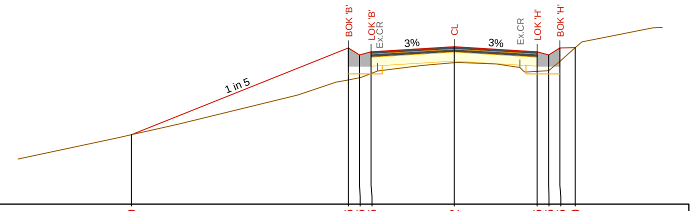


DATUM 148.0

DESIGN SURFACE	148.367	149.458	149.368	149.408	149.474	149.408	149.368	149.458	149.483
DIFFERENCE (mm)	0	406	273	270	190	315	316	306	0
EXISTING SURFACE	148.367	149.052	149.095	149.138	149.284	149.093	149.052	149.152	149.483
OFFSET	-8.254	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	6.487

CH 100.000

CH 120.000

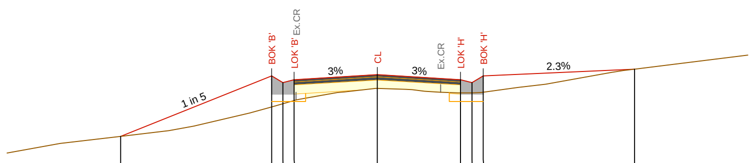


DATUM 148.0

DESIGN SURFACE	148.919	150.066	149.976	150.016	150.082	150.016	149.976	150.066	150.070
DIFFERENCE (mm)	-0	421	303	287	210	260	211	175	0
EXISTING SURFACE	148.919	149.645	149.674	149.729	149.872	149.756	149.765	149.892	150.070
OFFSET	-8.538	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	3.205

CH 120.000

CH 93.000

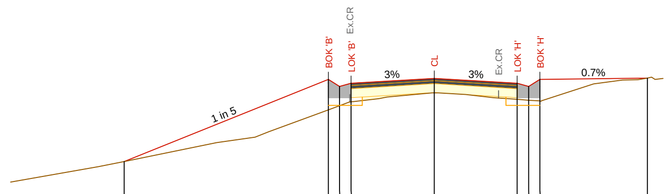


DATUM 148.0

DESIGN SURFACE	148.555	149.353	149.263	149.303	149.369	149.303	149.263	149.353	149.443
DIFFERENCE (mm)	0	409	277	274	181	175	132	215	0
EXISTING SURFACE	148.555	148.944	148.986	149.029	149.188	149.128	149.131	149.138	149.443
OFFSET	-6.795	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	6.800

CH 93.000

CH 110.000



DATUM 148.0

DESIGN SURFACE	148.632	149.712	149.622	149.662	149.728	149.662	149.622	149.712	149.731
DIFFERENCE (mm)	0	400	255	245	191	213	183	284	-0
EXISTING SURFACE	148.632	149.312	149.367	149.417	149.537	149.449	149.439	149.428	149.731
OFFSET	-8.202	-2.800	-2.500	-2.200	0.000	2.200	2.500	2.800	5.639

CH 110.000

CROSS-SECTIONS - WINIFRED STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'N'

Scale bar: 2 1 0 2 4 / 1 0.5 0 1 2

Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

VER	DESCRIPTION	DATE
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CIVIL ENGINEERING DESIGN: KURT CHAMBERLAIN
TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

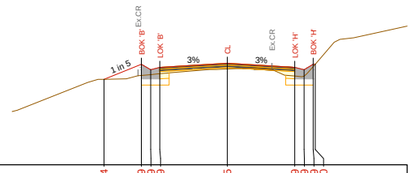
CROSS-SECTIONS - WINIFRED STREET - CENTRELINE 'N' - CH 93.000 N - CH 123.776 N

PROJECT No. PC20005
SHEET No. 65 OF 72
VERSION 09
DWG No. PC20005 - 65 - 09



AS2890,1 - B85 VEHICLE TEMPLATE
SCALED AT H1:100 V1:50
(VERTICAL EXAGGERATION OF 2)

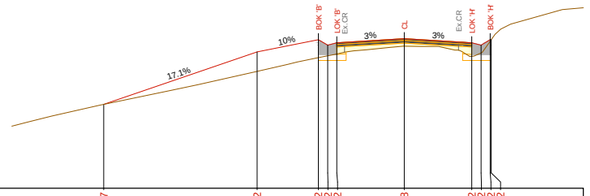
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DATUM 149.0

DESIGN SURFACE			150.394		150.639	150.543	150.589		150.655		150.589	150.549	150.639	150.640									
DIFFERENCE (mm)			-0		193	73	104		95		147	107	37	-0									
EXISTING SURFACE			150.394		150.456	150.470	150.484		150.560		150.446	150.442	150.602	150.640									
OFFSET			-4.023		-2.800	-2.500	-2.200		0.000		2.200	2.500	2.800	2.865									

CH 135.236

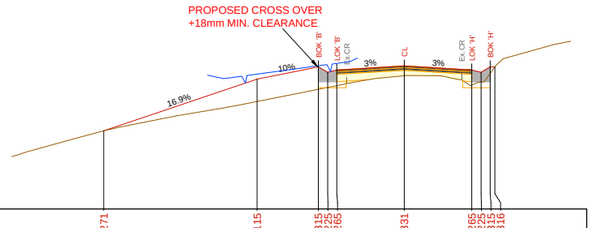


DATUM 148.0

DESIGN SURFACE	0	149.367		150.222		150.422	150.352	150.372		150.438		150.372	150.312	150.422	150.422								
DIFFERENCE (mm)				316		285	174	183		122		221	121	25	-0								
EXISTING SURFACE		149.367		149.906		150.127	150.159	150.189		150.316		150.151	150.277	150.397	150.422								
OFFSET		-9.800		-4.800		-2.800	-2.500	-2.200		0.000		2.200	2.500	2.800	2.836								

VEHICLE CROSSOVER AT No. 11 OF WINFRED STREET

CH 130.000



DATUM 148.0

DESIGN SURFACE	0	149.271		150.115		150.315	150.230	150.265		150.331		150.265	150.225	150.315	150.316								
DIFFERENCE (mm)				364		364	244	255		158		247	156	105	0								
EXISTING SURFACE		149.271		149.751		149.951	149.986	150.010		150.172		150.018	150.069	150.210	150.316								
OFFSET		-9.800		-4.800		-2.800	-2.500	-2.200		0.000		2.200	2.500	2.800	2.951								

VEHICLE CROSSOVER AT No. 11 OF WINFRED STREET

CH 127.000

CROSS-SECTIONS - WINIFRED STREET - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'N'

LOK - LIP OF KERB
Ex.CR - EXISTING EDGE OF CRUSHED ROCK
BOK - BACK OF KERB
Ex. FNC - EXISTING FENCE

2 1 0 2 4
1 0.5 0 1 2
Hor 1:100 @ A1
Hor 1:200 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

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ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
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ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

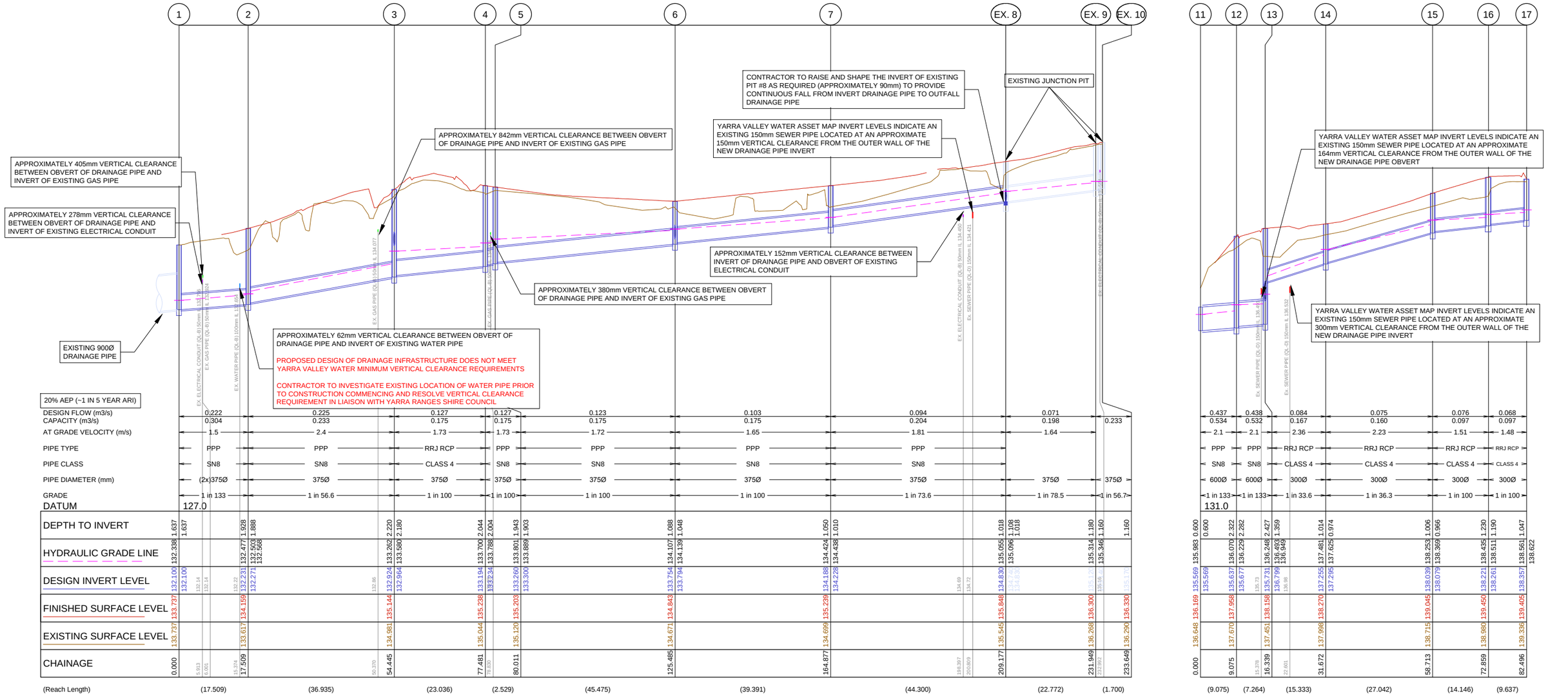
CROSS-SECTIONS - WINIFRED STREET - CENTRELINE 'N' - CH 127.000 N - CH 135.236 N

PROJECT No. PC20005
SHEET No. 66 OF 72
VERSION 09
DWG No. PC20005 - 66 - 09

WARNING
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FURTHER INVESTIGATIONS AND PROVING OF ALL UNDERGROUND UTILITY ASSETS WILL BE REQUIRED PRIOR TO CONSTRUCTION COMMENCING



DRAINAGE LONGITUDINAL SECTION

10 5 0 10 20 Hor 1:500 @ A1, Hor 1:1,000 @ A3
1 0.5 0 1 2 Ver 1:50 @ A1, Ver 1:100 @ A3

RRJ RCP - RUBBER RING JOINTED REINFORCED CONCRETE PIPE
PPP - POLYPROPYLENE PIPE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
08	DETAILED DESIGN - ISSUED FOR REVIEW	17-03-2023
07	DETAILED DESIGN - ISSUED FOR REVIEW	08-02-2023
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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN
ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020
LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

DRAINAGE LONGITUDINAL SECTION

PROJECT No. PC20005
SHEET No. 67 OF 72
VERSION 09
DWG No. PC20005 - 67 - 09

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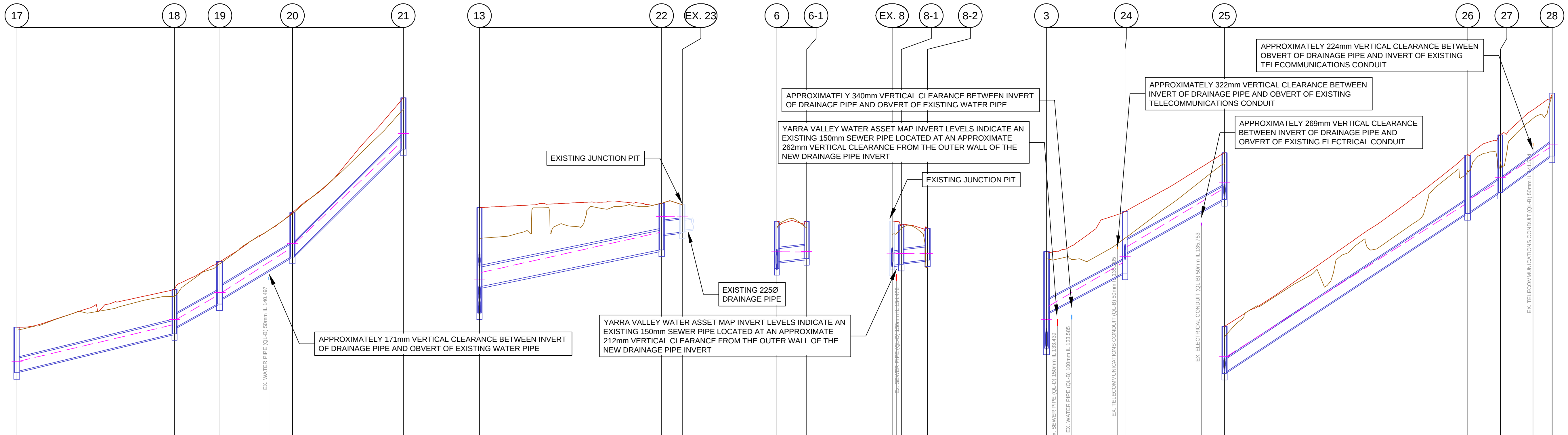
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20% AEP (~1 IN 5 YEAR ARI)

Pits 17 – 21 (DATUM 134.0)

	17–18	18–19	19–20	20–21
DESIGN FLOW (m3/s)	0.069	0.069	0.070	0.044
CAPACITY (m3/s)	0.149	0.217	0.231	0.300
AT GRADE VELOCITY (m/s)	2.07	2.73	2.86	3.04
PIPE TYPE	PPP	RRJ RCP	PPP	PPP
PIPE CLASS	SN8	CLASS 4	SN8	SN8
PIPE DIAMETER (mm)	300Ø	300Ø	300Ø	300Ø
GRADE	1 in 42.2	1 in 19.8	1 in 17.6	1 in 10.4
(Reach Length)	(36.207)	(10.473)	(16.682)	(25.497)

	17	18	19	Ex. water pipe	20	21
DEPTH TO INVERT	1.047 / 1.007	1.017 / 0.862	0.978 / 0.849		1.028 / 0.988	1.181
HYDRAULIC GRADE LINE	138.561 / 138.622	139.459 / 139.581	140.143 / 140.207		141.223 / 141.327	143.664 / 143.865
DESIGN INVERT LEVEL	138.357 / 138.397	139.254 / 139.409	139.938 / 140.067	140.72	141.017 / 141.057	143.501
FINISHED SURFACE LEVEL	139.405	140.271	140.916		142.044	144.683
EXISTING SURFACE LEVEL	139.336	140.116	140.867		142.012	144.419
CHAINAGE	82.496	118.703	129.176	140.426	145.858	171.355

Pits 13 – EX. 23 (DATUM 130.0)

	13–22	22–EX. 23
DESIGN FLOW (m3/s)	0.346	0.029
CAPACITY (m3/s)	0.403	0.097
AT GRADE VELOCITY (m/s)	2.85	1.19
PIPE TYPE	PPP	PPP
PIPE CLASS	SN8	SN8
PIPE DIAMETER (mm)	450Ø	300Ø
GRADE	1 in 50	1 in 100
(Reach Length)	(41.896)	(4.735)

	13	22	EX. 23
DEPTH TO INVERT	2.427 / 1.813	1.073 / 0.713	0.633
HYDRAULIC GRADE LINE	136.248 / 136.493 136.666	137.585 / 137.948	137.952 / 137.963 (faint)
DESIGN INVERT LEVEL	135.731 / 136.345	137.183 / 137.543	137.590
FINISHED SURFACE LEVEL	138.158	138.256	138.223
EXISTING SURFACE LEVEL	137.451	138.256	138.227
CHAINAGE	0.000	41.896	46.632

Pits 6 – 6-1 (DATUM 127.0)

	6–6-1
DESIGN FLOW (m3/s)	0.009
CAPACITY (m3/s)	0.097
AT GRADE VELOCITY (m/s)	0.87
PIPE TYPE	RRJ RCP
PIPE CLASS	CLASS 4
PIPE DIAMETER (mm)	300Ø
GRADE	1 in 100
(Reach Length)	(6.850)

	6	6-1
DEPTH TO INVERT	1.088 / 0.928	0.856
HYDRAULIC GRADE LINE	134.107 / 134.139	134.138 / 134.143
DESIGN INVERT LEVEL	133.754 / 133.915	133.983
FINISHED SURFACE LEVEL	134.843	134.839
EXISTING SURFACE LEVEL	134.671	134.690
CHAINAGE	0.000	6.850

Pits EX. 8 – 8-2 (DATUM 128.0)

	EX. 8–8-1	8-1–8-2
DESIGN FLOW (m3/s)	0.011	0.011
CAPACITY (m3/s)	0.097	0.097
AT GRADE VELOCITY (m/s)	0.91	0.91
PIPE TYPE	RRJ RCP	RRJ RCP
PIPE CLASS	CLASS 4	CLASS 4
PIPE DIAMETER (mm)	300Ø	300Ø
GRADE	1 in 100	1 in 100
(Reach Length)	(2.116)	(6.016)

	EX. 8	Ex. sewer pipe	8-1	8-2
DEPTH TO INVERT	1.018 / 1.108 1.018		0.912 / 0.872	0.728
HYDRAULIC GRADE LINE	135.055 / 135.096		135.096 / 135.099	135.098 / 135.100
DESIGN INVERT LEVEL	134.830 / 134.830	134.840 (faint)	134.851 / 134.891	134.951
FINISHED SURFACE LEVEL	135.848		135.763	135.679
EXISTING SURFACE LEVEL	135.545		135.683	134.780
CHAINAGE	0.000	0.957	2.116	8.132

Pits 3 – 28 (DATUM 128.0 / 132.0)

	3–24	24–25	25–26	26–27	27–28
DESIGN FLOW (m3/s)	0.100	0.097	0.085	0.085	0.068
CAPACITY (m3/s)	0.217	0.224	0.247	0.237	0.250
AT GRADE VELOCITY (m/s)	3.01	3.05	3.17	3.07	3.01
PIPE TYPE	PPP	PPP	PPP	RRJ RCP	RRJ RCP
PIPE CLASS	SN8	SN8	SN8	CLASS 4	CLASS 4
PIPE DIAMETER (mm)	300Ø	300Ø	300Ø	300Ø	300Ø
GRADE	1 in 19.9	1 in 18.7	1 in 15.4	1 in 16.7	1 in 15
(Reach Length)	(18.064)	(22.870)	(55.946)	(7.486)	(11.902)

	3	Ex. sewer	Ex. water	Ex. telecom	24	Ex. electrical	25	26	27	Ex. telecom	28
DEPTH TO INVERT	2.220 / 1.401				1.415 / 0.944		1.078 / 1.038	1.350 / 1.310	1.321 / 1.281		1.449
HYDRAULIC GRADE LINE	133.262 / 133.580 133.887				134.895 / 135.028 135.258		136.583 / 136.728	140.245 / 140.356	140.733 / 140.844		141.544 / 141.616
DESIGN INVERT LEVEL	132.924 / 133.743		134.03	134.58	134.649 / 135.120	136.07	136.341 / 136.381	140.017 / 140.057	140.506 / 140.546	141.06	141.341
FINISHED SURFACE LEVEL	135.144				136.064		137.420	141.367	141.827		142.789
EXISTING SURFACE LEVEL	134.981				135.453		137.175	141.027	141.212		142.740
CHAINAGE	0.000	2.539	5.826	16.344	18.064	35.631	40.934	96.880	104.366	111.881	116.268

DRAINAGE LONGITUDINAL SECTION

Scale bar: 10, 5, 0, 10, 20 / 1, 0.5, 0, 1, 2. Hor 1:500 @ A1, Hor 1:1,000 @ A3, Ver 1:50 @ A1, Ver 1:100 @ A3

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HEIGHT DATUM: AHD
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AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**
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FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

DRAINAGE LONGITUDINAL SECTION

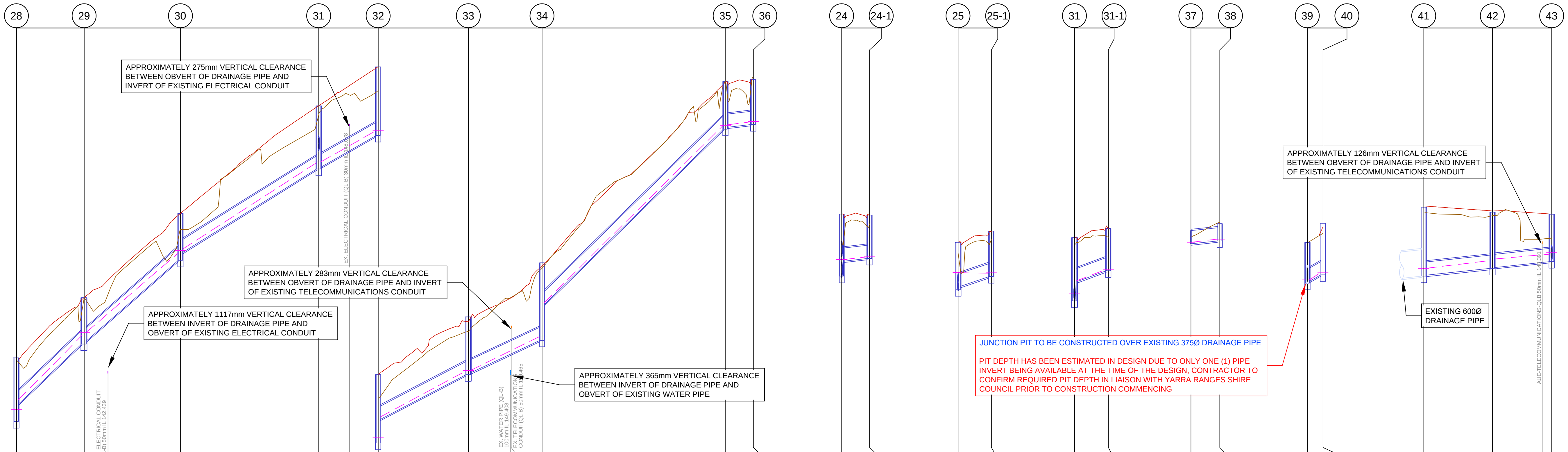
PROJECT No. PC20005
SHEET No. 68 OF 72
VERSION 09
DWG No. PC20005 - 68 - 09

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20% AEP (~1 IN 5 YEAR ARI)

Pits 28 – 36 (DATUM 138.0 / 145.0)

Reach	DESIGN FLOW (m3/s)	CAPACITY (m3/s)	AT GRADE VELOCITY (m/s)	PIPE TYPE	PIPE CLASS	PIPE DIAMETER (mm)	GRADE	(Reach Length)
28–29	0.066	0.287	3.3	RRJ RCP	CLASS 4	300Ø	1 in 11.3	(15.448)
29–30	0.048	0.280	2.96	PPP	SN8	300Ø	1 in 11.9	(21.892)
30–31	0.035	0.238	2.41	PPP	SN8	300Ø	1 in 16.5	(31.474)
31–32	0.021	0.224	1.99	PPP	SN8	300Ø	1 in 18.7	(13.531)
32–33	0.015	0.215	1.74	RRJ RCP	CLASS 4	300Ø	1 in 20.2	(20.551)
33–34	0.015	0.204	1.68	RRJ RCP	CLASS 4	300Ø	1 in 22.6	(16.754)
34–35	0.013	0.299	2.11	PPP	SN8	300Ø	1 in 10.4	(41.725)
35–36	0.007	0.097	0.8	RRJ RCP	CLASS 4	300Ø	1 in 100	(6.366)

CHAINAGE	DEPTH TO INVERT	HYDRAULIC GRADE LINE	DESIGN INVERT LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL
116.268	1.449 / 1.047	141.544 / 141.616 141.839	141.341 / 141.742	142.789	142.740
131.716	1.053 / 0.986	143.306 / 143.372	143.106 / 143.173	144.159	144.163
137.099			143.60		
153.609	1.063 / 0.889	145.181 / 145.228 145.264	145.011 / 145.186	146.075	145.712
185.082	1.436 / 1.396	147.232 / 147.248	147.088 / 147.128	148.524	148.325
192.082			147.50		
198.614	1.560 / 1.020	147.961 / 147.970 148.444	147.851 / 148.391	149.411	148.871
219.164	1.314 / 1.274	149.498 / 149.501	149.407 / 149.447	150.721	150.392
228.694			149.87		
228.912			149.88		
235.919	1.760 / 0.949	150.281 / 150.285 151.042	150.189 / 151.000	151.949	151.830
277.643	1.082 / 1.042	155.082 / 155.085 155.091	154.996 / 155.036	156.078	156.073
284.009	1.023	155.163 / 155.168	155.100	156.123	156.184

Pits 24 – 24-1 (DATUM 128.0): DESIGN FLOW 0.002; CAPACITY 0.097; VELOCITY 0.58; RRJ RCP; CLASS 4; 300Ø; 1 in 100; (6.319)

CHAINAGE	DEPTH TO INVERT	HYDRAULIC GRADE LINE	DESIGN INVERT LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL
0.000	1.415 / 1.075	134.895 / 135.028	134.649 / 134.989	136.064	135.453
6.319	0.985	135.089 / 135.089	135.052	136.038	135.838

Pits 25 – 25-1 (DATUM 130.0): DESIGN FLOW 0.010; CAPACITY 0.166; VELOCITY 1.3; RRJ RCP; CLASS 4; 300Ø; 1 in 33.8; (7.552)

CHAINAGE	DEPTH TO INVERT	HYDRAULIC GRADE LINE	DESIGN INVERT LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL
0.000	1.078 / 1.004	136.583 / 136.728	136.341 / 136.416	137.420	137.175
7.552	1.036	136.715 / 136.726	136.639	137.675	137.482

Pits 31 – 31-1 (DATUM 141.0): DESIGN FLOW 0.002; CAPACITY 0.174; VELOCITY 0.82; RRJ RCP; CLASS 4; 300Ø; 1 in 30.7; (7.695)

CHAINAGE	DEPTH TO INVERT	HYDRAULIC GRADE LINE	DESIGN INVERT LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL
0.000	1.436 / 1.003	147.232 / 147.248 147.544	147.088 / 147.521	148.524	148.325
7.695	0.963	147.804	147.771	148.734	148.535

Pits 37 – 38 (DATUM 147.0): DESIGN FLOW 0.003; CAPACITY 0.097; VELOCITY 0.62; RRJ RCP; CLASS 4; 300Ø; 1 in 100; (6.538)

CHAINAGE	DEPTH TO INVERT	HYDRAULIC GRADE LINE	DESIGN INVERT LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL
0.000	0.300 / 0.300	154.421	154.385 / 154.385	154.685	154.535
6.538	0.395	154.491 / 154.492	154.450	154.845	154.879

Pits 39 – 40 (DATUM 141.0): DESIGN FLOW 0.006; CAPACITY 0.200; VELOCITY 1.23; PPP; SN8; 300Ø; 1 in 23.5; (3.543)

CHAINAGE	DEPTH TO INVERT	HYDRAULIC GRADE LINE	DESIGN INVERT LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL
0.000	0.924 / 0.884	147.564	147.490 / 147.530	148.414	148.414
3.543	1.170	147.737 / 147.740	147.681	148.851	148.622

Pits 41 – 43 (DATUM 141.0)

Reach	DESIGN FLOW (m3/s)	CAPACITY (m3/s)	AT GRADE VELOCITY (m/s)	PIPE TYPE	PIPE CLASS	PIPE DIAMETER (mm)	GRADE	(Reach Length)
41–42	0.052	0.097	1.4	PPP	SN8	300Ø	1 in 100	(15.643)
42–43	0.047	0.097	1.36	PPP	SN8	300Ø	1 in 100	(13.474)

CHAINAGE	DEPTH TO INVERT	HYDRAULIC GRADE LINE	DESIGN INVERT LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL
0.000	1.569 / 1.549	147.827	147.650 / 147.670	149.219	149.084
15.643	1.279 / 1.259	148.004 / 148.040	147.826 / 147.846	149.106	149.024
27.170			147.97		
29.116	1.077	148.149 / 148.183	147.981	149.058	148.511

DRAINAGE LONGITUDINAL SECTION

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Hor 1:1,000 @ A3
Ver 1:50 @ A1
Ver 1:100 @ A3

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ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
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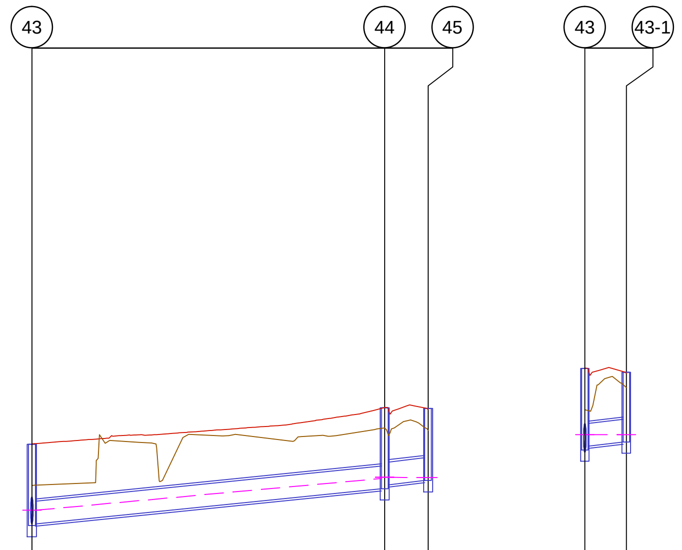
PROJECT No. PC20005
SHEET No. 69 OF 72
VERSION 09
DWG No. PC20005 - 69 - 09

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	43 – 44	44 – 45	43 – 43-1
DESIGN FLOW (m3/s)	0.031	0.002	0.004
CAPACITY (m3/s)	0.097	0.097	0.097
AT GRADE VELOCITY (m/s)	1.22	0.54	0.7
PIPE TYPE	PPP	RRJ RCP	RRJ RCP
PIPE CLASS	SN8	CLASS 4	CLASS 4
PIPE DIAMETER (mm)	300Ø	300Ø	300Ø
GRADE	1 in 100	1 in 100	1 in 100
DATUM	142.0		141.0

	43		44		45	43		43-1	
DEPTH TO INVERT	1.077	1.057	1.070	1.019	0.953	1.077	1.027	0.922	
HYDRAULIC GRADE LINE	148.149	148.183	148.604	148.619	148.616	148.149	148.183	148.183	148.185
DESIGN INVERT LEVEL	147.981	148.001	148.468	148.520	148.577	147.981	148.031	148.086	
FINISHED SURFACE LEVEL	149.058		149.538		149.530	149.058		149.008	
EXISTING SURFACE LEVEL	148.511		149.272		149.236	148.511		148.804	
CHAINAGE	29.116		75.814		81.559	0.000		5.500	

(Reach Length) (46.698) (5.744) (5.500)

DRAINAGE LONGITUDINAL SECTION

10 5 0 10 20 — Hor 1:500 @ A1, Hor 1:1,000 @ A3
1 0.5 0 1 2 — Ver 1:50 @ A1, Ver 1:100 @ A3

RRJ RCP - RUBBER RING JOINTED REINFORCED CONCRETE PIPE
PPP - POLYPROPYLENE PIPE

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE	AS SHOWN @ A1
HEIGHT DATUM	AHD
COORDINATE DATUM	MGA 2020 ZONE 55
SURVEY DATE	24-02-2021
AERIAL IMAGE DATE	12-12-2020

LOCAL GOVERNMENT AREA: **SHIRE OF YARRA RANGES**
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD
AND WINIFRED STREET, SEVILLE

DRAINAGE LONGITUDINAL SECTION

PROJECT No.	PC20005
SHEET No.	70 OF 72
VERSION	09
DWG No.	PC20005 - 70 - 09

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DRAINAGE PIT SCHEDULE

PIT NAME	PIT TYPE	SETOUT EASTING (m)	SETOUT NORTHING (m)	INTERNAL WIDTH (mm)	INTERNAL LENGTH (mm)	INLET DIA (mm)	INLET INV LEV (m)	OUTLET DIA (mm)	OUTLET INV LEV (m)	PIT SETOUT RL (m)	PIT DEPTH (m)	REFERENCE
1	H-SEP	364302.636	5817569.321	900 (Haunched 1200)	1200	375 375	132.10 132.10	Ex. 900	Ex. 132.10	133.74	1.64	Demolish existing Junction Pit and construct new Haunched (1200mm x 1200mm) Side Entry Pit with opening on south pit wall with grate to collect existing overland flow from the easement in general accordance with Yarra Ranges Shire Council Standard Drawing
2	JP	364310.361	5817553.606	1200	900	375	132.27	(2x)375	132.23	134.16	1.93	Construct new Junction Pit (1200mm x 900mm) in general accordance with Yarra Ranges Shire Council Standard Drawing SD / P4
3	JP	364328.585	5817521.48	900	1000	375 300	132.96 133.74	375	132.92	135.14	2.22	Construct new Junction Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P4
4	JP	364339.264	5817501.069	900	1000	375	133.23	375	133.19	135.24	2.04	Construct new Junction Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P4
5	SEP	364341.761	5817501.47	900	1000	375	133.30	375	133.26	135.20	1.94	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
6	SEP	364363.885	5817461.739	750	1000	375 300	133.79 133.92	375	133.75	134.84	1.09	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
6-1	SEP	364369.851	5817465.105	750	1000	-	-	300	133.98	134.84	0.86	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
7	SEP	364382.651	5817427.105	750	1000	375	134.23	375	134.19	135.24	1.05	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
Ex. 8	JP	364398.596	5817385.774	Existing	Existing	Ex. 375 300	Ex. 134.83 134.83	375	134.83	135.85	1.02	Modify and convert existing Table Drain Inlet Pit to a Junction Pit in general accordance with Yarra Ranges Shire Council Standard Drawing SD / P4
8-1	M-GSEP	364400.484	5817386.73	750	1000	300	134.89	300	134.85	135.76	0.91	Construct new Modified Grated Side Entry Pit in accordance with Detail on Sheet 01
8-2	SEP	364405.74	5817389.657	750	1000	-	-	300	134.95	135.68	0.73	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
Ex. 9	EXISTING	364409.343	5817365.698	Existing	Existing	Ex.375	Ex. 135.14	Ex. 375	Ex. 135.12	136.32	1.20	Retain existing Junction Pit
Ex. 10	EXISTING	364410.111	5817364.181	Existing	Existing	-	-	Ex. 375	Ex. 135.17	136.37	1.20	Retain existing Junction Pit
11	WW	364473.362	5817283.005	-	-	600	135.57	-	-	135.57	-	Construct new Reinforced Concrete Wingwall in accordance with VicRoads Standard Drawing SD 1921
12	SEP	364466.012	5817277.662	900	1000	600	135.68	600	135.64	137.96	2.32	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
13	SEP	364459.628	5817274.216	900	1000	300 450	136.80 136.35	600	135.73	138.16	2.43	Construct new Side Entry Pit in general accordance with Yarra Ranges Shire Council Standard Drawing SD / P1 Contractor to liaise with Yarra Ranges Shire Council Representative to determine extent of kerb and drainage pit throat works required to avoid interface with existing underground utility services prior to construction commencing
14	JP	364468.722	5817261.871	750	1000	300	137.30	300	137.26	138.27	1.01	Construct new Junction Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P4
15	JP	364482.157	5817238.403	750	1000	300	138.08	300	138.04	139.05	1.01	Construct new Junction Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P4
16	M-GSEP	364489.322	5817226.206	750	1000	300	138.26	300	138.22	139.45	1.23	Construct new Modified Grated Side Entry Pit in accordance with Detail on Sheet 01
17	SEP	364498.527	5817223.352	750	1000	300	138.40	300	138.36	139.41	1.05	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
18	JP	364521.385	5817195.273	750	1000	300	139.41	300	139.25	140.27	1.02	Construct new Junction Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P4
19	JP	364514.698	5817187.213	750	1000	300	140.07	300	139.94	140.92	0.98	Construct new Junction Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P4
20	SEP	364498.065	5817185.934	750	1000	300	141.06	300	141.02	142.04	1.03	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
21	SEP	364472.749	5817188.965	750	1000	-	-	300	143.50	144.68	1.18	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
22	JP	364439.7	5817311.069	900	1000	300	137.54	450	137.18	138.26	1.07	Construct new Junction Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P4
Ex. 23	EXISTING	364436.813	5817314.823	Existing	Existing	-	-	300	137.59	138.22	0.63	Retain existing Junction Pit

NOTE.
1. xy setout to pit centre, longitudinally along kerb - contractor to set out pit relative to kerb profile and relevant pit standard drawing
2. setout level to pit cover level
3 contractor to verify dimensions of existing pits prior to fitting with new pit lids

SEP - Side Entry Pit
H-SEP - Haunched Side Entry Pit
GSEP - Grated Side Entry Pit
M-GSEP - Modified Grated Side Entry Pit
JP - Junction Pit
WW - Wingwall
TDIP - Table Drain Inlet Pit

VER	DESCRIPTION	DATE
09	FOR CONSTRUCTION	16-05-2023
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TECHNICAL PEER REVIEW: CHRIS PROCTOR
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION: OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 2020 ZONE 55
SURVEY DATE: 24-02-2021
AERIAL IMAGE DATE: 12-12-2020

LOCAL GOVERNMENT AREA: SHIRE OF YARRA RANGES
CLIENT: Yarra Ranges Council
CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | YARRA RANGES SHIRE COUNCIL

FOR CONSTRUCTION

ROAD AND DRAINAGE RECONSTRUCTION WORKS

BELL STREET, PAYNES ROAD, READ ROAD AND WINIFRED STREET, SEVILLE

DRAINAGE PIT SCHEDULE

PROJECT No. PC20005
SHEET No. 71 OF 72
VERSION 09
DWG No. PC20005 - 71 - 09

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DRAINAGE PIT SCHEDULE

PIT NAME	PIT TYPE	SETOUT EASTING (m)	SETOUT NORTHING (m)	INTERNAL WIDTH (mm)	INTERNAL LENGTH (mm)	INLET DIA (mm)	INLET INV LEV (m)	OUTLET DIA (mm)	OUTLET INV LEV (m)	PIT SETOUT RL (m)	PIT DEPTH (m)	REFERENCE
24	SEP	364319.533	5817505.848	750	1000	300 300	135.12 134.99	300	134.65	136.06	1.415	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
24-1	SEP	364324.937	5817502.571	750	1000	-	-	300	135.05	136.04	0.99	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
25	SEP	364308.086	5817486.049	750	1000	300 300	136.38 136.42	300	136.34	137.42	1.08	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
25-1	SEP	364311.327	5817479.228	750	1000	-	-	300	136.64	137.68	1.04	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
26	GSEP	364277.375	5817439.286	750	1000	300	140.06	300	140.02	141.37	1.35	Construct new Grated Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P3
27	SEP	364279.886	5817432.233	750	1000	300	140.55	300	140.51	141.83	1.32	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
28	GSEP	364269.364	5817426.669	750	1000	300	141.74	300	141.34	142.79	1.45	Construct new Grated Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P3
29	SEP	364266.296	5817411.529	750	1000	300	143.17	300	143.11	144.16	1.05	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
30	SEP	364249.262	5817397.777	750	1000	300	145.19	300	145.01	146.08	1.06	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
31	SEP	364221.362	5817383.21	750	1000	300 300	147.13 147.52	300	147.09	148.52	1.44	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
31-1	SEP	364214.571	5817386.828	750	1000	-	-	300	147.77	148.73	0.96	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
32	SEP	364209.367	5817376.947	750	1000	300	148.39	300	147.85	149.41	1.56	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
33	JP	364190.599	5817366.577	750	1000	300	149.45	300	149.41	150.72	1.31	Construct new Junction Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P4
34	SEP	364185.375	5817352.658	900	1000	300	151.00	300	150.19	151.95	1.76	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
35	SEP	364175.509	5817312.116	750	1000	300	155.04	300	155.00	156.08	1.08	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
36	SEP	364181.573	5817310.176	750	1000	-	-	300	155.10	156.12	1.02	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
37	WW	364300.482	5817214.017	-	-	300	154.39	-	-	154.39	-	Construct new Reinforced Concrete Wingwall in accordance with VicRoads Standard Drawing SD 1921
38	SEP	364296.168	5817218.929	750	1000	-	-	300	154.45	154.85	0.40	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
39	JP	364068.898	5817394.485	750	1000	300 Ex. 375	Est. 147.53 Ex. Est. 147.53	Existing	Existing	148.41	Est. 0.924	Construct new Junction Pit over existing 375mm Drainage Pipe in accordance with Yarra Ranges Shire Council Standard Drawing SD / P4 Pit depth has been estimated in design due to only one (1) pipe invert being available at the time of the design. Contractor to confirm required pit depth in liaison with Yarra Ranges Shire Council prior to construction commencing
40	SEP	364066.755	5817391.663	750	1000	-	-	300	147.68	148.85	1.17	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
Ex 41	M-GSEP	364074.656	5817379.862	750	1000	300 Ex. 600	147.67 Ex 147.83	Ex. 600	Ex 147.65	149.22	1.57	Construct new Modified Grated Side Entry Pit in accordance with Detail on Sheet 01
42	GSEP	364090.096	5817377.355	750	1000	300	147.85	300	147.83	149.11	1.28	Construct new Grated Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P3
43	SEP	364103.316	5817374.752	750	1000	300 300	148.00 148.03	300	147.98	149.06	1.08	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
43-1	M-GSEP	364104.2	5817380.181	750	1000	-	-	300	148.09	149.01	0.92	Construct new Modified Grated Side Entry Pit in accordance with Detail on Sheet 01
44	SEP	364149.41	5817367.264	750	1000	300	148.52	300	148.47	149.54	1.07	Construct new Side Entry Pit in accordance with Yarra Ranges Shire Council Standard Drawing SD / P1
45	M-GSEP	364151.914	5817372.434	750	1000	-	-	300	148.58	149.53	0.95	Construct new Modified Grated Side Entry Pit in accordance with Detail on Sheet 01
46	TDIP	364377.818	5817470.975	750	1000	-	-	Ex. 300	Ex. 133.48	134.30	0.82	Construct new Dual Inlet Table Drain Inlet Pit over existing 300mm drainage pipe in general accordance with Yarra Ranges Shire Council Standard Drawing SD / P6

NOTE:
1. xy setout to pit centre, longitudinally along kerb - contractor to set out pit relative to kerb profile and relevant pit standard drawing
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DRAINAGE PIT SCHEDULE

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