LEGEND

GENERAL

- KERB — 'TYPE'
- STORMWATER DRAIN PIPE & PIT — 300ø
- PIT NUMBER — 01
- TABLE DRAIN
- SIGN POSITION AND ORIENTATION
- STREET SIGN
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK — TBM
- SAFETY BARRIER

SERVICES

- AG DRAIN — AG
- WATER MAIN (POTABLE) — W
- WATER RECYCLED (NON DRINKING) — NDW
- GAS MAIN — G
- ELECTRICAL CABLES — E
- TELSTRA CABLES — T
- SEWER MAIN — S

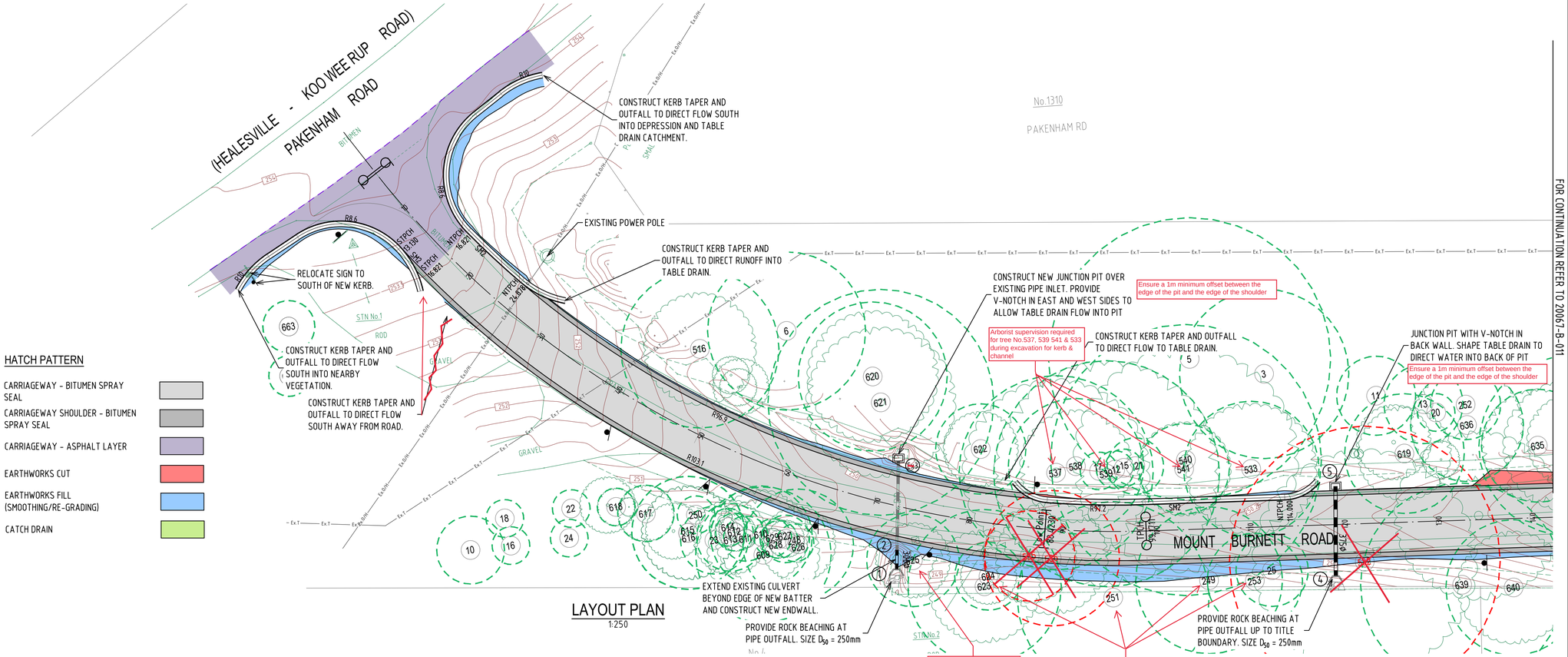
- NOTE EXISTING SERVICES ARE SHOWN GREY AND PREFIXED WITH "Ex"

MISCELLANEOUS

TREE TO BE REMOVED
(REFER TREE PLANS AND TREE TABLES FOR IDs AND DETAILS)

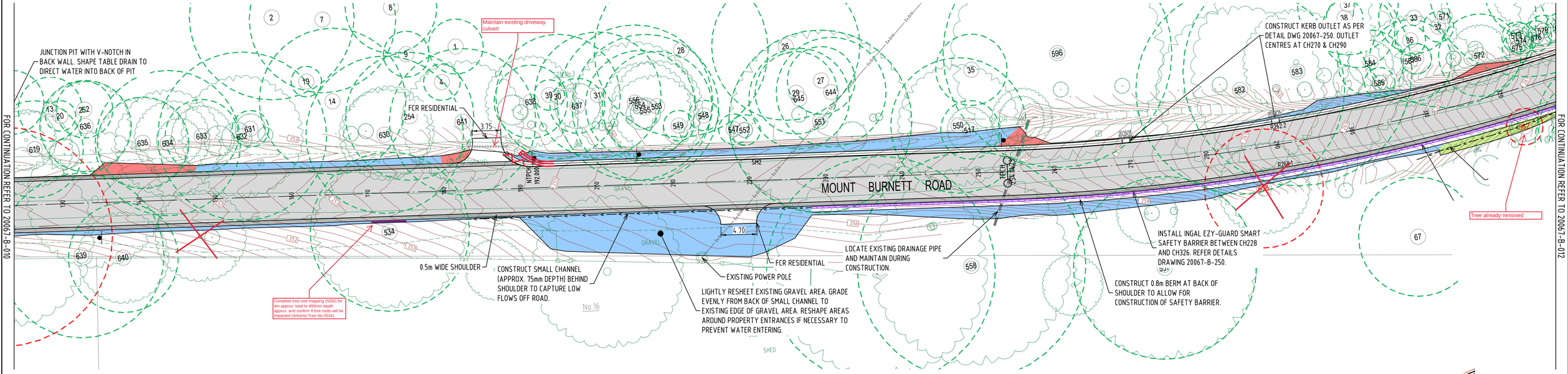
HATCH PATTERN

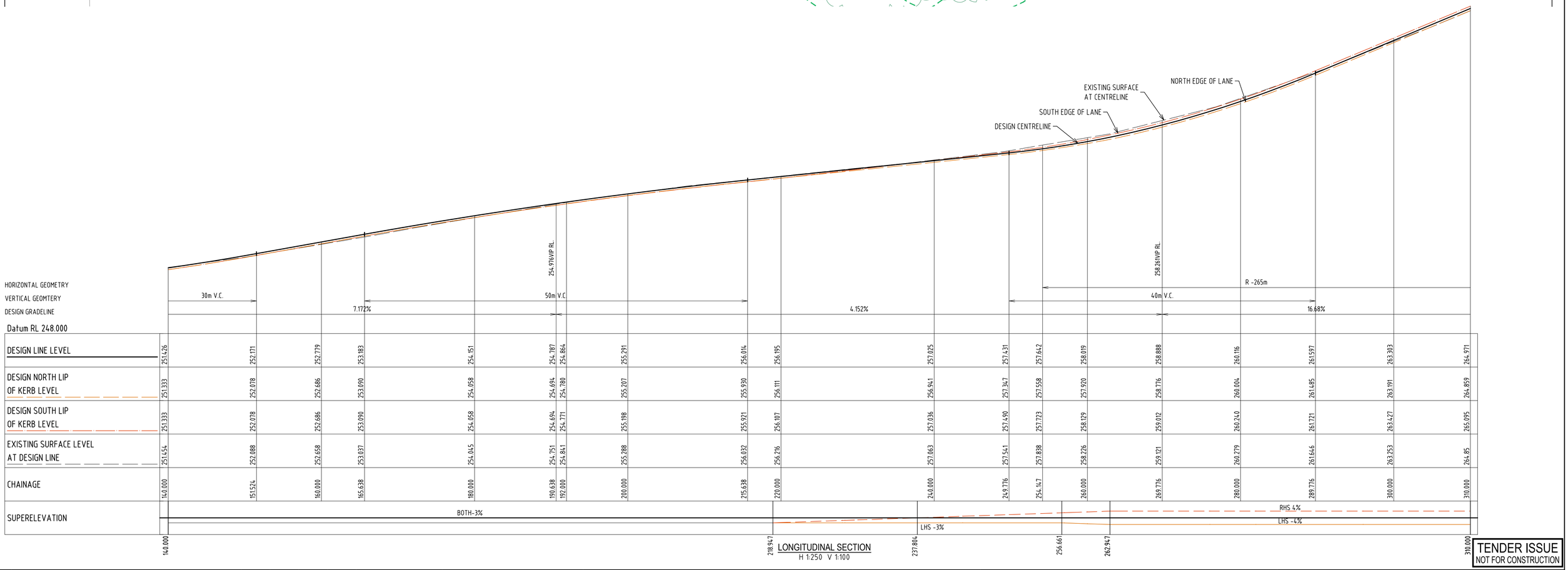
- CARRIAGEWAY - BITUMEN SPRAY SEAL
- CARRIAGEWAY SHOULDER - BITUMEN SPRAY SEAL
- CARRIAGEWAY - ASPHALT LAYER
- EARTHWORKS CUT
- EARTHWORKS FILL (SMOOTHING/RE-GRADING)
- CATCH DRAIN


(HEALESVILLE - KOO WEE RUP ROAD)
PAKENHAM ROAD
MOUNT BURNETT ROAD
No.1310
PAKENHAM RD
CONSTRUCT KERB TAPER AND OUTFALL TO DIRECT FLOW SOUTH INTO DEPRESSION AND TABLE DRAIN CATCHMENT.
EXISTING POWER POLE
CONSTRUCT KERB TAPER AND OUTFALL TO DIRECT RUNOFF INTO TABLE DRAIN.
RELOCATE SIGN TO SOUTH OF NEW KERB.
CONSTRUCT KERB TAPER AND OUTFALL TO DIRECT FLOW SOUTH INTO NEARBY VEGETATION.
CONSTRUCT KERB TAPER AND OUTFALL TO DIRECT FLOW SOUTH AWAY FROM ROAD.
CONSTRUCT NEW JUNCTION PIT OVER EXISTING PIPE INLET. PROVIDE V-NOTCH IN EAST AND WEST SIDES TO ALLOW TABLE DRAIN FLOW INTO PIT
Ensure a 1m minimum offset between the edge of the pit and the edge of the shoulder
Arborist supervision required for tree No 537, 539 541 & 533 during excavation for kerb & channel
CONSTRUCT KERB TAPER AND OUTFALL TO DIRECT FLOW TO TABLE DRAIN.
JUNCTION PIT WITH V-NOTCH IN BACK WALL. SHAPE TABLE DRAIN TO DIRECT WATER INTO BACK OF PIT
Ensure a 1m minimum offset between the edge of the pit and the edge of the shoulder
EXTEND EXISTING CULVERT BEYOND EDGE OF NEW BATTER AND CONSTRUCT NEW ENDWALL.
PROVIDE ROCK BEACHING AT PIPE OUTFALL. SIZE D_{50} = 250mm
PROVIDE ROCK BEACHING AT PIPE OUTFALL UP TO TITLE BOUNDARY. SIZE D_{50} = 250mm
Arborist supervision required for tree No.625 during excavation/construction of culvert widening and endwall construction.
Scalp fill away from tree trunks to protect trees as approved by arborist
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FOR CONTINUATION REFER TO 20067-B-010

FOR CONTINUATION REFER TO 20067-B-012





LONGITUDINAL SECTION
H 1:250 V 1:100

TENDER ISSUE
NOT FOR CONSTRUCTION

REV	DESCRIPTION	CHECKED	APPROVED	DRAFTED	DATE
7	ISSUED FOR TENDER	JW	JW	MD	14.10.2022
6	REVISED ROAD DESIGN	JW	JW	TL	22.12.2021
5	MINOR AMENDMENTS TO INCLUDE SAFETY BARRIER	JW	CS	TL	29.01.2021
4	DETAILED DESIGN SUBMISSION	JW	CS	MD / TL	02.12.2020
3	COUNCIL COMMENTS	JW	CS	TL	03.11.2020
2	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JW	CS	TL	07.10.2020
1	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JW	CS	TL	16.09.2020
0	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	-	-	-	-

H 0 5 10
V 0 1 2 3 4 5m
SCALE H 1:500 V 1:200 @ A3
H 1:250 V 1:100 @ A1

Cardinia

PGA REF: E20067-B
DESIGN BY: T LOGAN
SURVEY BY: PGA
APPROVED FOR CONSTRUCTION BY:
APPROVED DATE:

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bsi. ISO 9001 Quality Management FS521077

DESIGN PROJECT - PACKAGE 1

MOUNT BURNETT ROAD
CARDINIA SHIRE COUNCIL

LAYOUT PLAN & LONGITUDINAL SECTION - SHEET 2 OF 11

CARDINIA SHIRE COUNCIL

SCALE @ A1: AS SHOWN
DRAWING No: 20067-B-011
REV: 7

FILE: E:\CARDINIA SHIRE\E20067 - RD PACK 1 - MORRISON RD AND MT BURNETT RD\1.B-MOUNT BURNETT\1.DRAWINGS\2.2D CAD (DWG)\3.CURRENT DWG\20067-B-011.DWG PLOT INFO: MICHELLE DAY @ 3:31 PM ON October 13, 2022

FOR CONTINUATION REFER TO 20067-B-011

FOR CONTINUATION REFER TO 20067-B-013

MOUNT BURNETT ROAD

FCR RESIDENTIAL

FCR RESIDENTIAL

~~HYDROVAC/ROOT MAPPING IN THIS AREA TO CONFIRM EXTENT OF TREE ROOTS~~

Ensure driveable endwall is a minimum of 1m offset from the back of kerb

Construct small catch drain (100mm depth) behind kerb to catch overland flows.

EXISTING POWER POLE

EXISTING POWER POLE

EXISTING POWER POLE

0.5m WIDE SHOULDER

FCR RURAL

SHAPE TABLE DRAIN OUTFALL TO FOLLOW EXISTING DRAINAGE CHANNEL.

INSTALL INGAL EZY-GUARD SMART SAFETY BARRIER BETWEEN CH228 AND CH326. REFER DETAILS DRAWING 20067-B-250.

Tree already removed

588 PROVIDE 1m ROCK BEACHING AT PIPE OUTFALL. SIZE D_{50} = 250mm

TBM #A
STAR PICKET
E 369608.54
N 5795839.74
ELEV 277.30

STN No 5 ROD

STN No 6 ROD

No 36

No 36

GRAVEL

11.00

3.30

3.90

1.62

300ø

300ø

R377.8

R311.9

TELSTRA 5795890

TELSTRA 5795890

TELSTRA 5795890

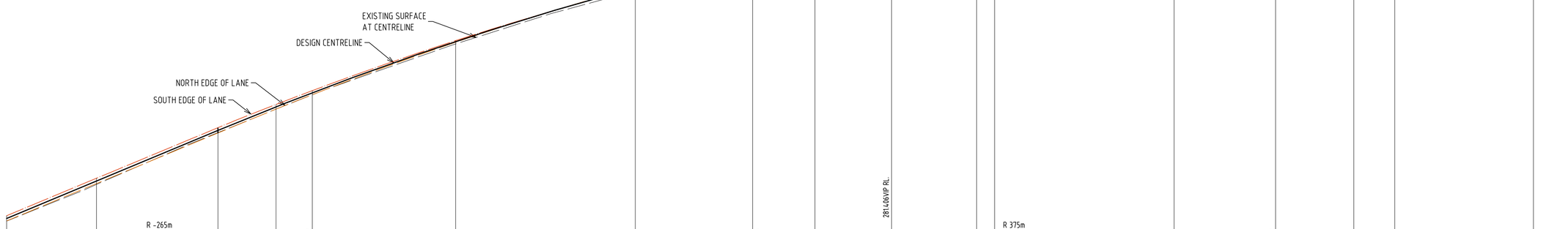
TELSTRA 5795890

TELSTRA 5795890

TELSTRA 5795890

High Point 4643558

WTRPH 4723300



| | | |

FOR CONTINUATION REFER TO 20067-B-012

FOR CONTINUATION REFER TO 20067-B-014

FILL AROUND EXISTING UNKNOWN PIT. DO NOT DISTURB.

CONSTRUCT KERB TAPER AND OUTFALL TO DIRECT FLOWS INTO TABLE DRAIN.

CONSTRUCT GRATED PIT IN INVERT OF TABLE DRAIN.

Ensure a 1m minimum offset between the edge of the pit and the edge of the shoulder

Complete tree root mapping (NDD) for 2m approx. total to 400mm depth approx. and confirm if tree roots will be impacted (Arborist Tree No.#525).

FCR RESIDENTIAL

SEALED RESIDENTIAL

MAINTAIN EXISTING CULVERT

MOUNT BURNETT ROAD

0.5m WIDE SHOULDER

REMOVE AND DISPOSE OFFSITE EXISTING CULVERT AND HEADWALLS

DESLUDGE AND BACKFILL EXISTING CULVERT OUTFALL.

PROVIDE 1m ROCK BEACHING AT PIPE OUTFALL. SIZE D_{50} = 250mm

Complete tree root mapping (NDD) for 5m approx. total to 400mm depth approx. and confirm if tree roots will be impacted (Arborist Tree No.#522).

Complete tree root mapping (NDD) for 4m approx. total to 400mm depth approx. and confirm if tree roots will be impacted (Arborist Tree No.#526).

300mm dia RCP

P100

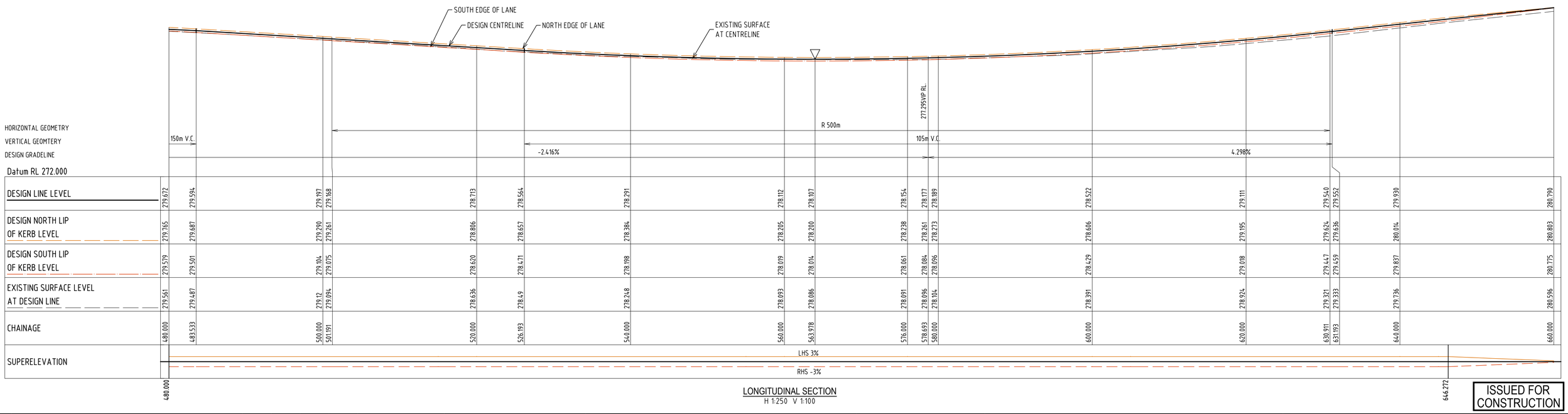
P101

STN No.6

ROD

No.65

LAYOUT PLAN
1:250



LONGITUDINAL SECTION
H 1:250 V 1:100

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	CHECKED	APPROVED	DRAFTED	DATE
6	ISSUED FOR TENDER	JW	JW	MD	14.10.2022
5	REVISED ROAD DESIGN	JW	JW	TL	22.12.2021
4	DETAILED DESIGN SUBMISSION	JW	CS	MD / TL	02.12.2020
3	COUNCIL COMMENTS	JW	CS	TL	03.11.2020
2	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JW	CS	TL	07.10.2020
1	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JW	CS	TL	16.09.2020
0	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	-	-	-	-

H 0 5 10
V 0 1 2 3 4 5m
SCALE H 1:500 V 1:200 @ A3
H 1:250 V 1:100 @ A1

Cardinia

PGA REF: E20067-B
DESIGN BY: T LOGAN
SURVEY BY: PGA
APPROVED FOR CONSTRUCTION BY:
APPROVED DATE:

PGA Paroissien Grant & Associates Pty. Ltd.
Consulting Engineers & Surveyors
ABN 53 123 888 326
Suite 10, 131 Bulleen Road, Balwyn North, Victoria 3104
Phone: (03) 9859 6400 Facsimile: (03) 9859 5022
Email: paro@pga.net.au Web: www.pga.net.au
ISO 9001 Quality Management FS521077

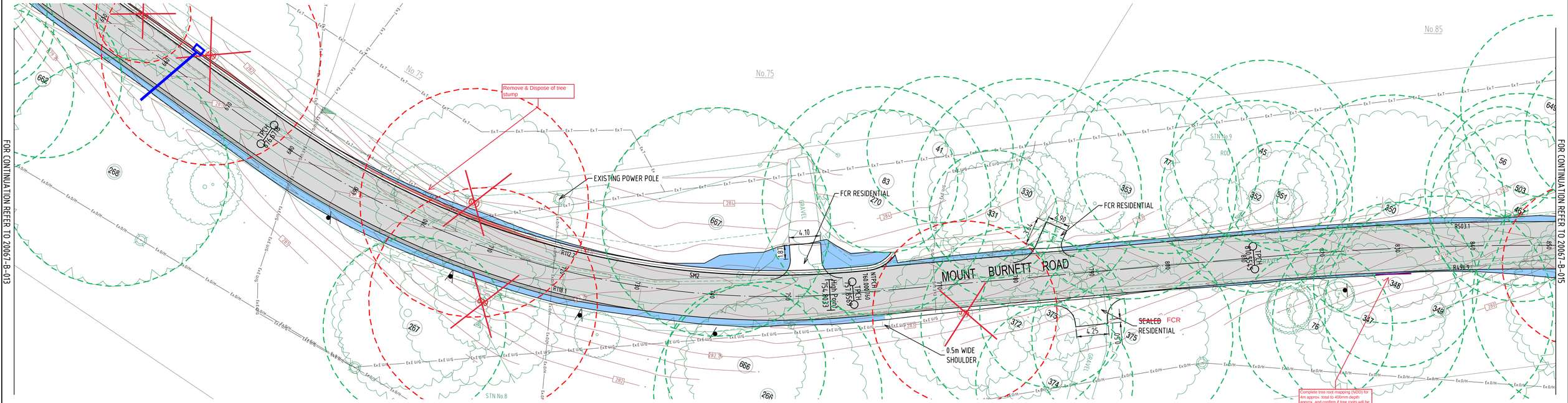
DESIGN PROJECT - PACKAGE 1
MOUNT BURNETT ROAD
CARDINIA SHIRE COUNCIL
LAYOUT PLAN & LONGITUDINAL SECTION - SHEET 4 OF 11
CARDINIA SHIRE COUNCIL

SCALE @ A1: AS SHOWN
DRAWING No.: 20067-B-013
REV: 6

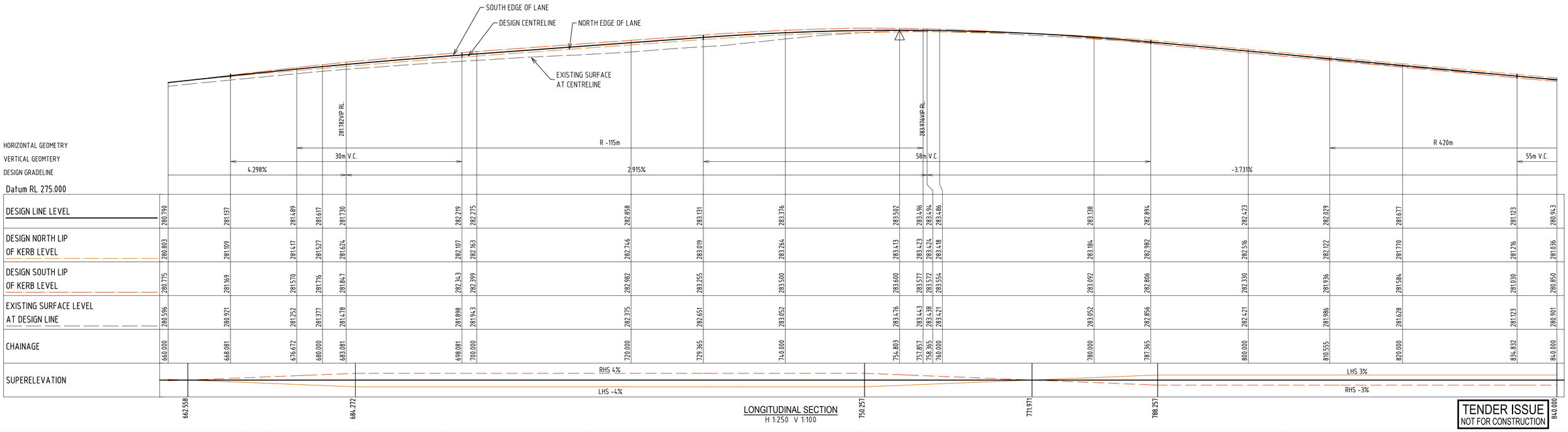
FILE: E:\CARDINIA SHIRE\E20067 - RD PACK 1 - MORRISON RD AND MT BURNETT RD\1.B-MOUNT BURNETT\1.DRAWINGS\2.2D CAD (DWG)\3.CURRENT DWG\20067-B-013.DWG PLOT INFO: MICHELLE DAY @ 3:39 PM ON October 13, 2022

FOR CONTINUATION REFER TO 20067-B-013

FOR CONTINUATION REFER TO 20067-B-015



LAYOUT PLAN
1:250



LONGITUDINAL SECTION
H 1:250 V 1:100

TENDER ISSUE
NOT FOR CONSTRUCTION

REV	DESCRIPTION	CHECKED	APPROVED	DRAFTED	DATE
6	ISSUED FOR TENDER	JW	JW	MD	14.10.2022
5	REVISED ROAD DESIGN	JW	JW	TL	22.12.2021
4	DETAILED DESIGN SUBMISSION	JW	CS	MD / TL	02.12.2020
3	COUNCIL COMMENTS	JW	CS	TL	03.11.2020
2	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JW	CS	TL	07.10.2020
1	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JW	CS	TL	16.09.2020
0	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	-	-	-	-

H 0 5 10
V 0 1 2 3 4 5m
SCALE H 1:500 V 1:200 @ A3
H 1:250 V 1:100 @ A1

Cardinia

PGA REF: E20067-B
DESIGN BY: T LOGAN
SURVEY BY: PGA
APPROVED FOR CONSTRUCTION BY:
APPROVED DATE:

PGA Paroissien Grant & Associates Pty. Ltd.
Consulting Engineers & Surveyors
ABN 53 123 888 326
Suite 10, 131 Bulleen Road, Balwyn North, Victoria 3104
Phone: (03) 9859 6400 Facsimile: (03) 9859 5022
Email: paro@pga.net.au Web: www.pga.net.au
ISO 9001 Quality Management FS521077

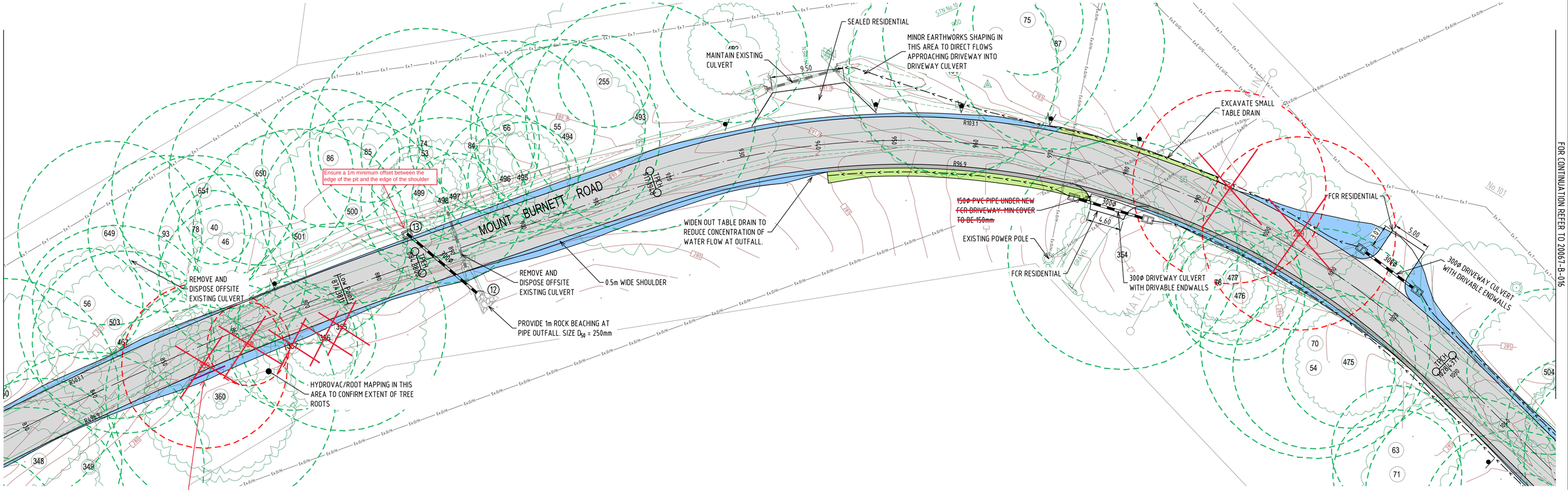
DESIGN PROJECT - PACKAGE 1
MOUNT BURNETT ROAD
CARDINIA SHIRE COUNCIL
LAYOUT PLAN & LONGITUDINAL SECTION - SHEET 5 OF 11
CARDINIA SHIRE COUNCIL

SCALE @ A1: AS SHOWN
DRAWING No.: 20067-B-014
REV: 6

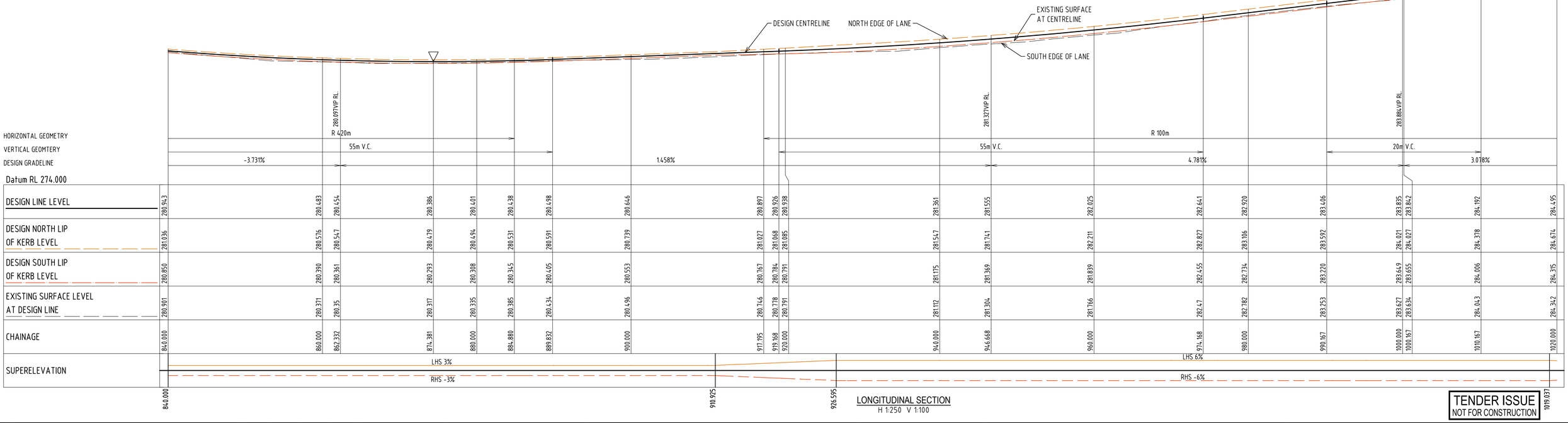
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FOR CONTINUATION REFER TO 20067-B-014

FOR CONTINUATION REFER TO 20067-B-016



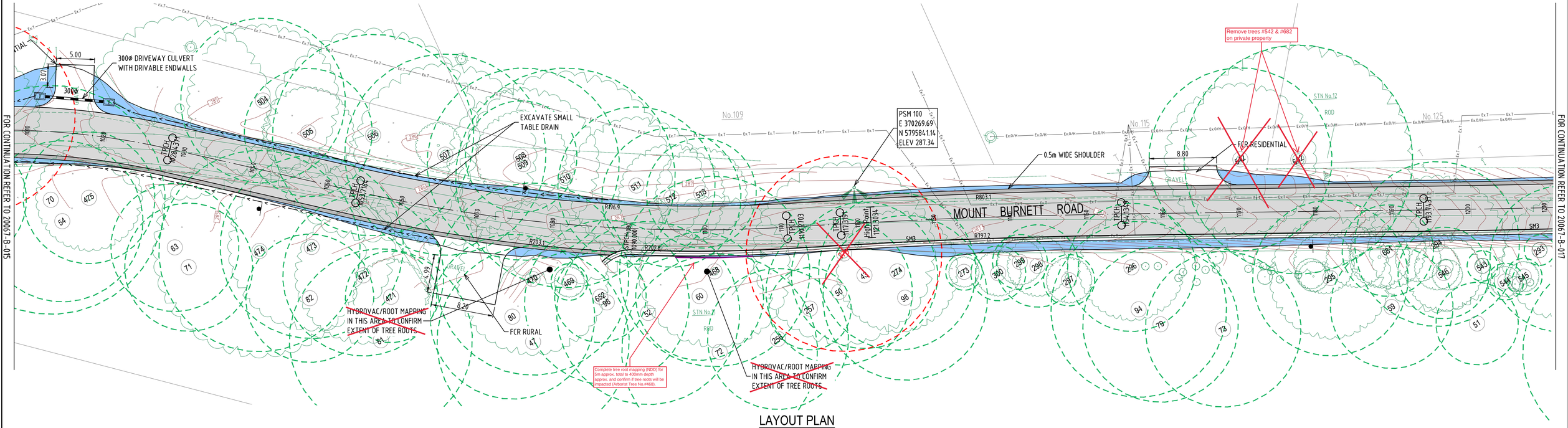
LAYOUT PLAN
1:250



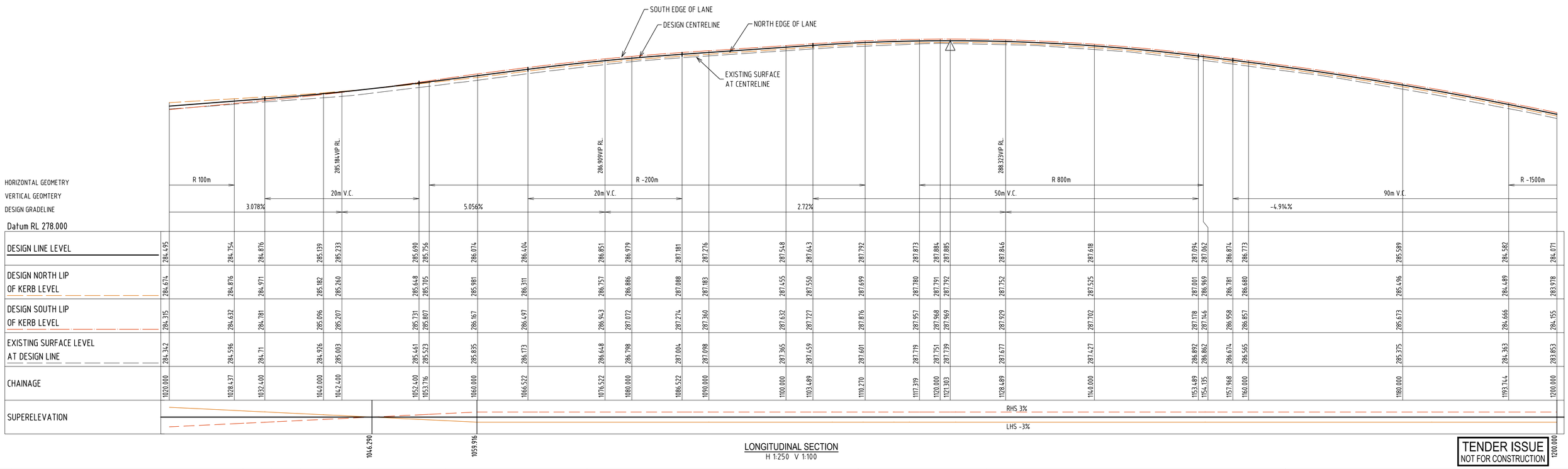
HORIZONTAL GEOMETRY
VERTICAL GEOMTERY
DESIGN GRADELINE

Datum RL 274.000

| | | |



LAYOUT PLAN
1:250



DESIGN LINE LEVEL	284.495	284.754	284.876	285.139	285.233	285.690	285.756	286.074	286.404	286.851	286.979	287.181	287.276	287.548	287.643	287.792	287.873	287.884	287.885	287.846	287.618	287.094	287.062	286.874	286.773	285.589	284.582	284.071
DESIGN NORTH LIP OF KERB LEVEL	284.674	284.876	284.971	285.182	285.260	285.648	285.705	285.981	286.311	286.757	286.886	287.088	287.183	287.455	287.550	287.699	287.780	287.791	287.792	287.752	287.525	287.001	286.969	286.781	286.680	285.496	284.489	283.978
DESIGN SOUTH LIP OF KERB LEVEL	284.315	284.632	284.781	285.096	285.207	285.731	285.807	286.167	286.497	286.943	287.072	287.274	287.360	287.632	287.727	287.876	287.957	287.968	287.969	287.929	287.702	287.178	287.146	286.958	286.857	285.673	284.666	284.155
EXISTING SURFACE LEVEL AT DESIGN LINE	284.342	284.596	284.71	284.926	285.003	285.461	285.523	285.835	286.173	286.648	286.798	287.004	287.098	287.365	287.459	287.601	287.719	287.751	287.739	287.677	287.427	286.892	286.862	286.674	286.565	285.375	284.363	283.853
CHAINAGE	1020.000	1028.437	1032.400	1040.000	1042.400	1052.400	1053.716	1060.000	1066.522	1076.522	1080.000	1086.522	1090.000	1100.000	1103.489	1110.270	1117.319	1120.000	1121.303	1128.489	1140.000	1153.489	1154.135	1157.968	1160.000	1180.000	1193.144	1200.000

LONGITUDINAL SECTION
H 1:250 V 1:100

TENDER ISSUE
NOT FOR CONSTRUCTION

REV	DESCRIPTION	CHECKED	APPROVED	DRAFTED	DATE
6	ISSUED FOR TENDER	JW	JW	MD	14.10.2022
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0	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	-	-	-	-

H 0 5 10
V 0 1 2 3 4 5m
SCALE H 1:500 V 1:200 @ A3
H 1:250 V 1:100 @ A1

Cardinia

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DESIGN BY: T LOGAN
SURVEY BY: PGA
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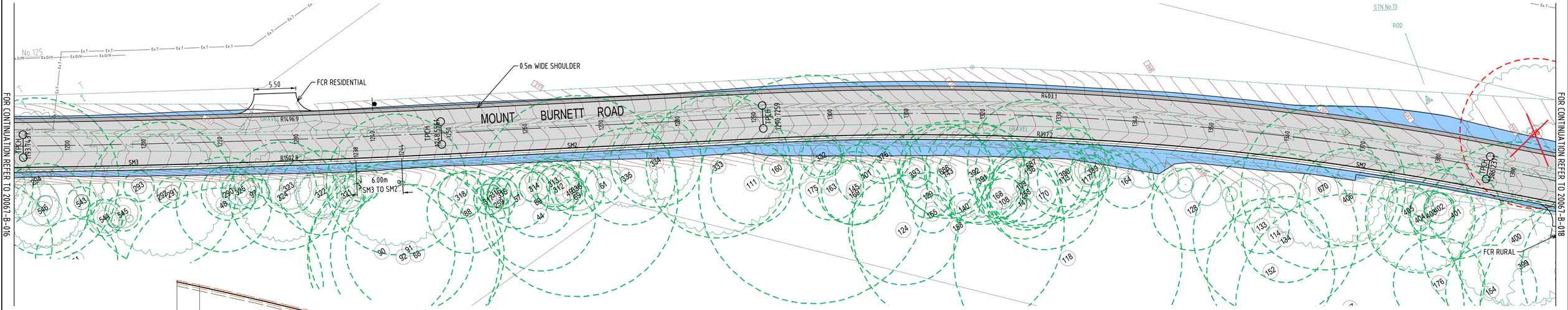
DESIGN PROJECT - PACKAGE 1
MOUNT BURNETT ROAD
CARDINIA SHIRE COUNCIL
LAYOUT PLAN & LONGITUDINAL SECTION - SHEET 7 OF 11
CARDINIA SHIRE COUNCIL

SCALE @ A1: AS SHOWN
DRAWING No: 20067-B-016
REV: 6

FILE: E:\CARDINIA SHIRE\E20067 - RD PACK 1 - MORRISON RD AND MT BURNETT RD\1.B-MOUNT BURNETT\1.DRAWINGS\2.2D CAD (DWG)\3.CURRENT DWG\20067-B-016.DWG PLOT INFO: MICHELLE DAY @ 3:39 PM ON October 13, 2022

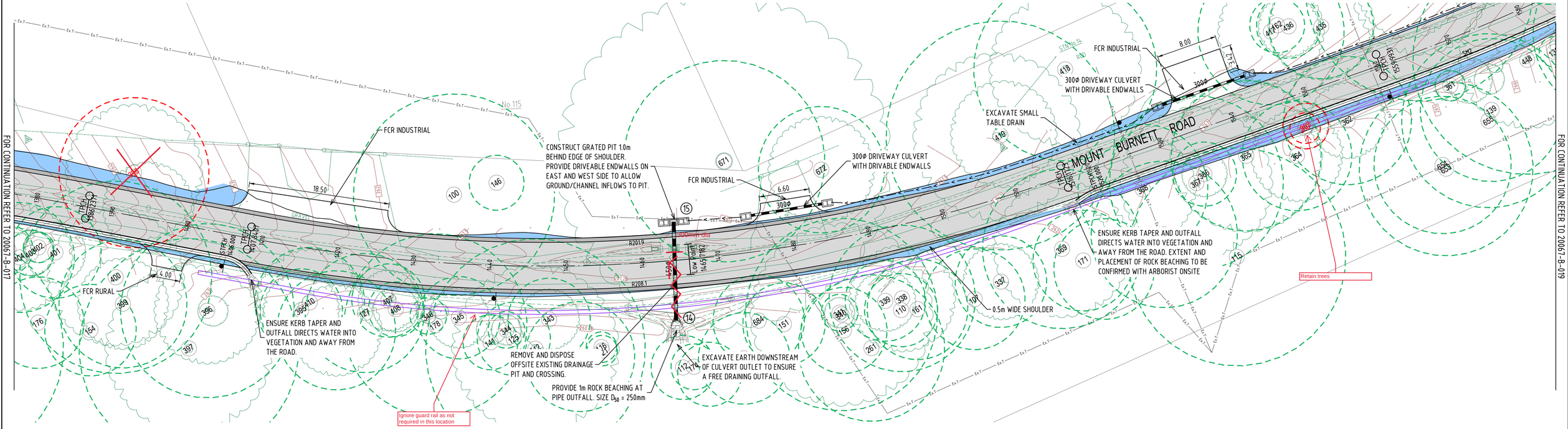
FOR CONTINUATION REFER TO 20067-B-016

FOR CONTINUATION REFER TO 20067-B-018

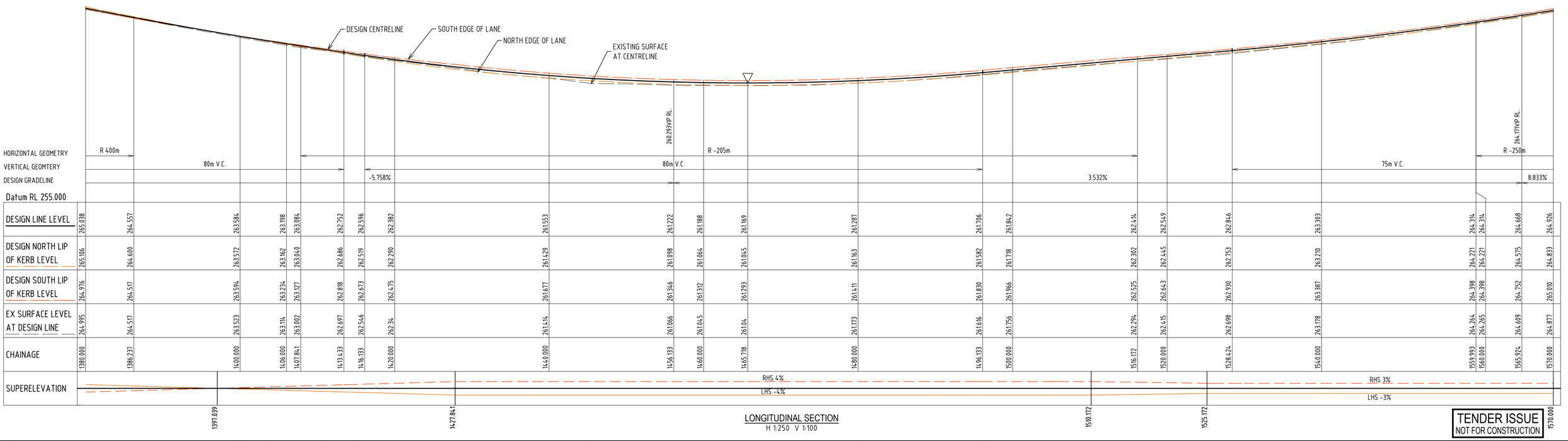




| | | |



LAYOUT PLAN
1:250



LONGITUDINAL SECTION
H 1:250 V 1:100

TENDER ISSUE
NOT FOR CONSTRUCTION

REV	DESCRIPTION	CHECKED	APPROVED	DRAFTED	DATE
6	ISSUED FOR TENDER	JW	JW	MD	14.10.2022
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4	DETAILED DESIGN SUBMISSION	JW	CS	MD / TL	02.12.2020
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1	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JW	CS	TL	16.09.2020
0	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	-	-	-	-

H 0 5 10
V 0 1 2 3 4 5m
SCALE H 1:500 V 1:200 @ A3
H 1:250 V 1:100 @ A1

Cardinia

PGA REF: E20067-B
DESIGN BY: T LOGAN
SURVEY BY: PGA
APPROVED FOR CONSTRUCTION BY:
APPROVED DATE:

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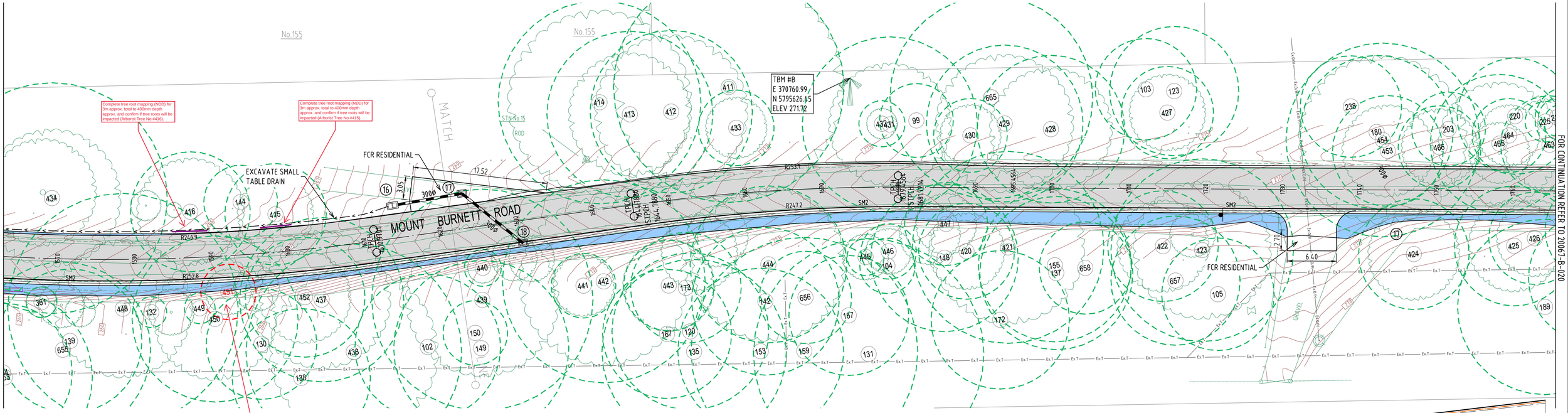
DESIGN PROJECT - PACKAGE 1
MOUNT BURNETT ROAD
CARDINIA SHIRE COUNCIL
LAYOUT PLAN & LONGITUDINAL SECTION - SHEET 9 OF 11
CARDINIA SHIRE COUNCIL

SCALE @ A1: AS SHOWN
DRAWING No.: 20067-B-018
REV: 6

FILE: E:\CARDINIA SHIRE\E20067 - RD PACK 1 - MORRISON RD AND MT BURNETT RD\1.B-MOUNT BURNETT\1.DRAWINGS\2.2D CAD (DWG)\3.CURRENT DWG\20067-B-018.DWG PLOT INFO: MICHELLE DAY @ 3:39 PM ON October 13, 2022

FOR CONTINUATION REFER TO 20067-B-018

FOR CONTINUATION REFER TO 20067-B-020


No.155
No.155
MATCH
STN No.15
ROD
TBM #B
E 370760.99
N 5795626.65
ELEV 271.72
MOUNT BURNETT ROAD
FCR RESIDENTIAL
EXCAVATE SMALL TABLE DRAIN
Complete tree root mapping (NDD) for 3m approx. total to 400mm depth approx. and confirm if tree roots will be impacted (Arborist Tree No.#416).
Complete tree root mapping (NDD) for 3m approx. total to 400mm depth approx. and confirm if tree roots will be impacted (Arborist Tree No.#415).
Retain trees
17.52
3.05
300ø
R246.9
R257.8
R253.1
R247.2
SM2
TPOH
TPOH
TPOH

FOR CONTINUATION REFER TO 20067-B-019

FOR CONTINUATION REFER TO 20067-B-021

PSM 114
E 370920.90
N 5795624.13

DANGER: HIGH PRESSURE GAS MAIN CROSSING. ALL WORKS IN THIS AREA TO BE IN ACCORDANCE WITH DESIGN PLANS AND APA REQUIREMENTS.

TBM #C
STAR PICKET
E 370981.96
N 5795595.72
ELEV 283.87

MOUNT BURNETT ROAD

LIMIT OF WORKS

SM2

GRAVEL

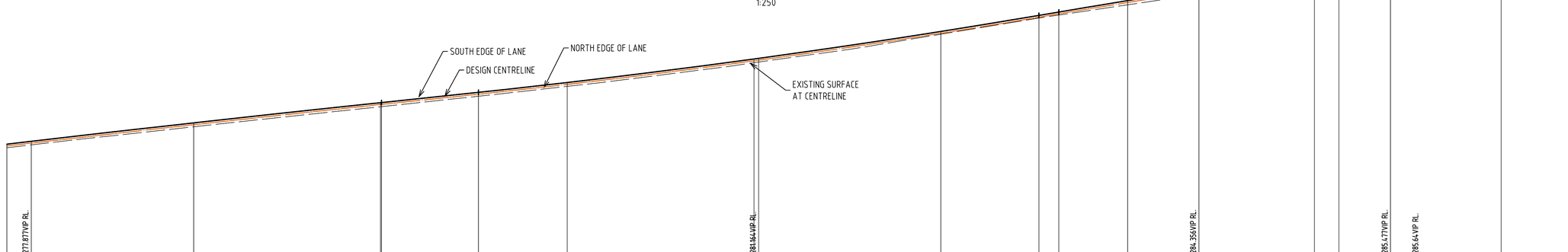
STN No.16

ROD

Remove & dispose of tree stump

Ignore lost tree and retain

LAYOUT PLAN
1:250



| | | |