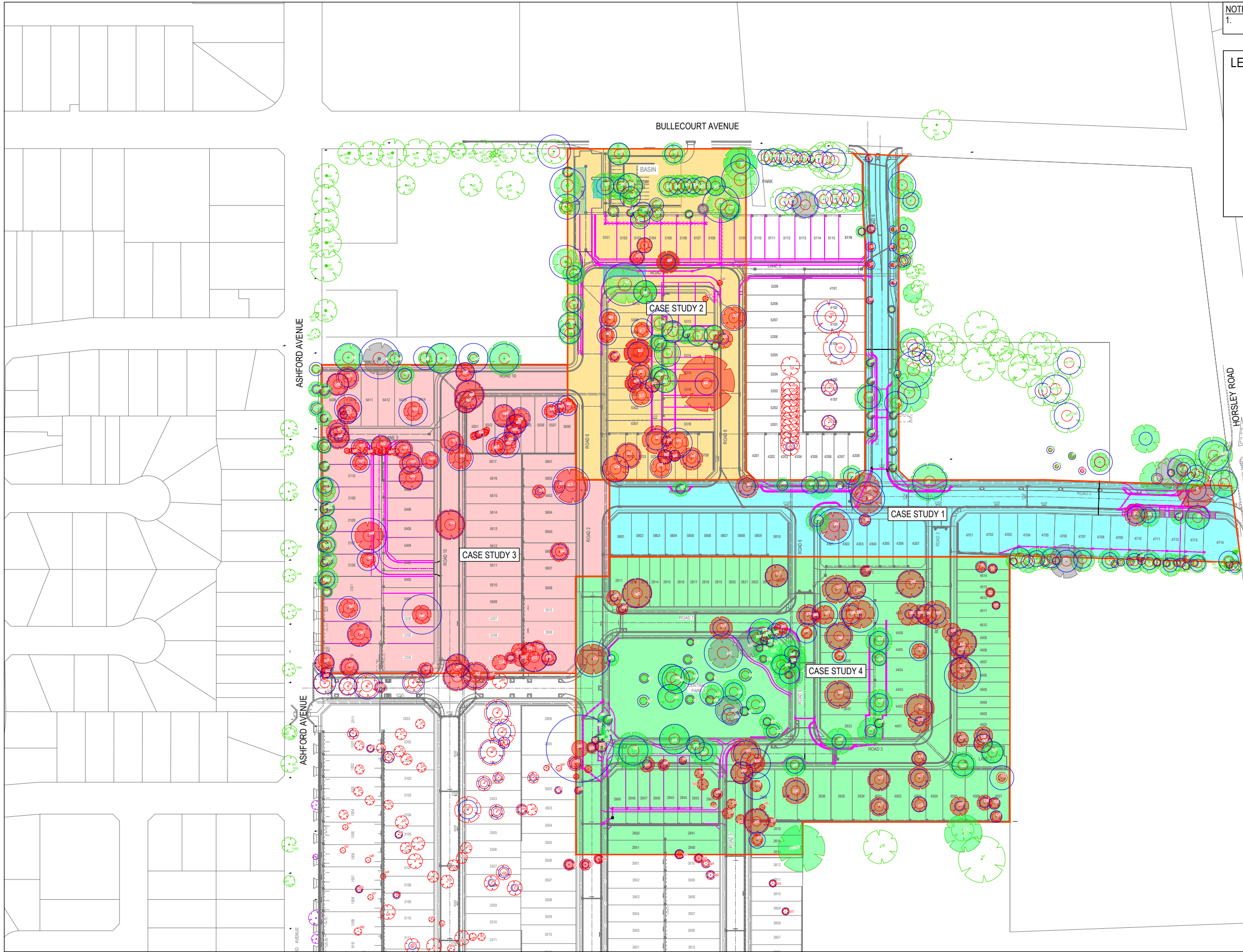




NOTES  
1. FEASIBILITY IS DEPENDENT ON DEPTH OF CUT & FILL

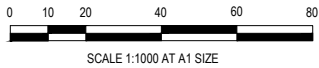
**LEGEND**

- TREE TO BE POTENTIALLY RETAINED. SUBJECT TO DETAILED DESIGN
- TREE TO BE REMOVED
- TREE TO BE REMOVED. IDENTIFIED FAILED IN MAJOR STORM EVENT
- STRUCTURAL ROOT ZONE EXTENT
- TREE PROTECTION ZONE EXTENT
- CASE STUDY AREA 1
- CASE STUDY AREA 2
- CASE STUDY AREA 3
- CASE STUDY AREA 4

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| C   | ISSUED FOR COORDINATION | 16.05.25 | J.G | S.G |     |             |      |     |     |
| B   | ISSUED FOR INFORMATION  | 30.04.25 | J.G | S.G |     |             |      |     |     |
| A   | ISSUED FOR INFORMATION  | 15.04.25 | J.G | S.G |     |             |      |     |     |



Designed  
Date  
S.FERGUSON  
11.04.2025  
Drawn  
S.FERGUSON  
Approved  
Date  
S.GRAY  
11.04.25  
PS Number

**BW** Beveridge Williams  
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Project Details  
WSU MILPERRA  
2 BULLECOURT AVE, MILPERRA  
CANTERBURY-BANKSTOWN COUNCIL  
Drawing Title  
OVERALL  
LAYOUT

Sheet 01 of 31

Scale  
1:1000 @ A1

| Project Ref | Stage No | Drawing No | Rev |
|-------------|----------|------------|-----|
| 2301879     | 150      | 001        | C   |





LEGEND

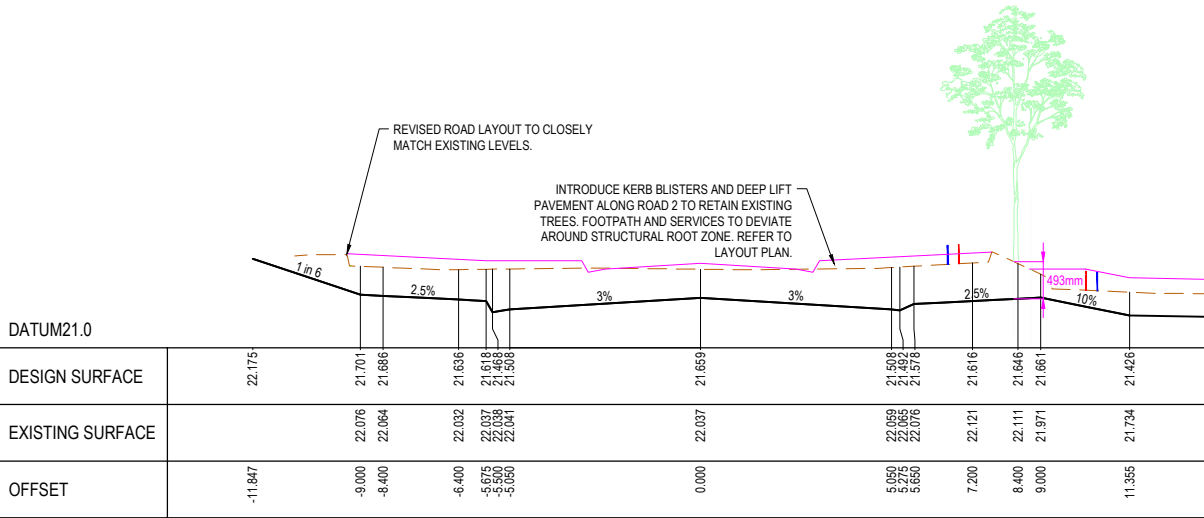
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DESIGN SURFACE

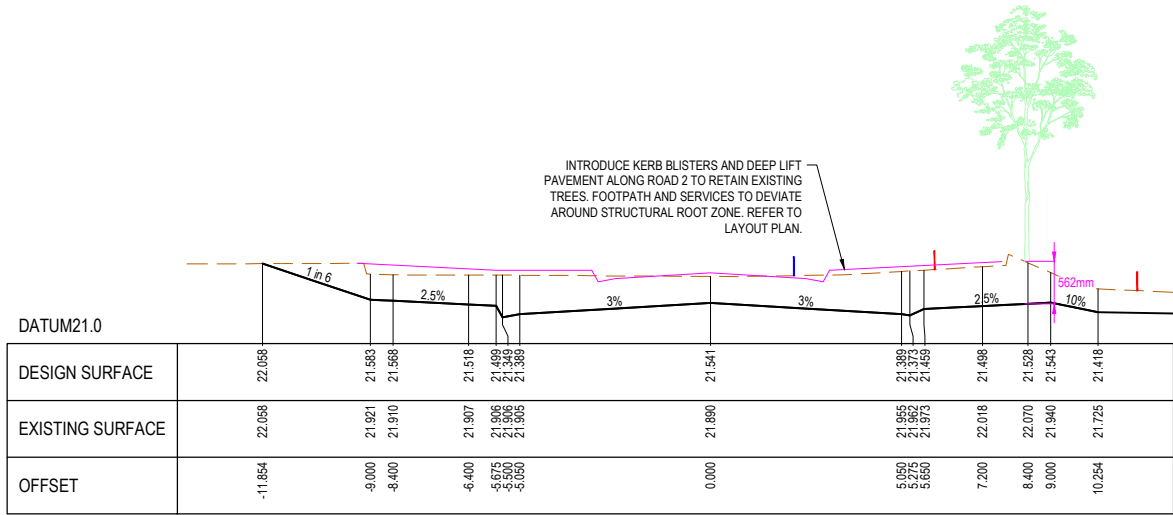
REVISED DESIGN SURFACE INCLUDING  
POTENTIAL ROAD VERTICAL ADJUSTMENT.  
SUBJECT TO DETAILED DESIGN.

SRZ EXTENTS

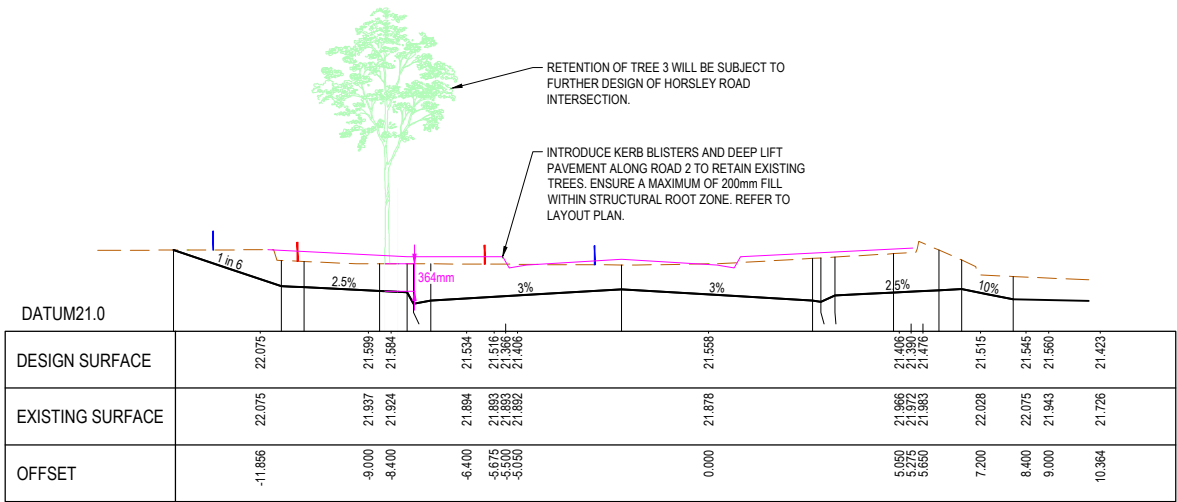
TPZ EXTENTS



TREE 16

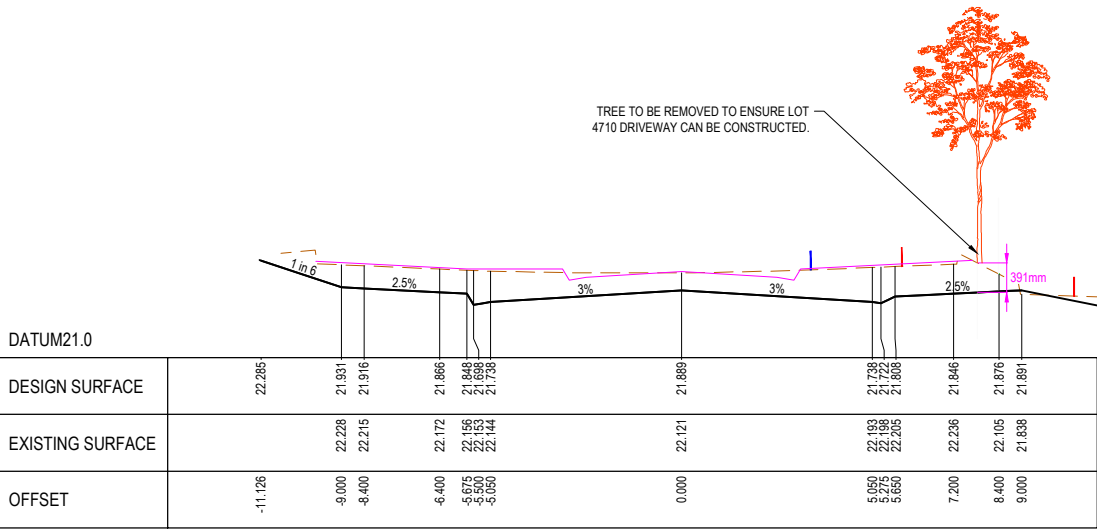


TREE 15

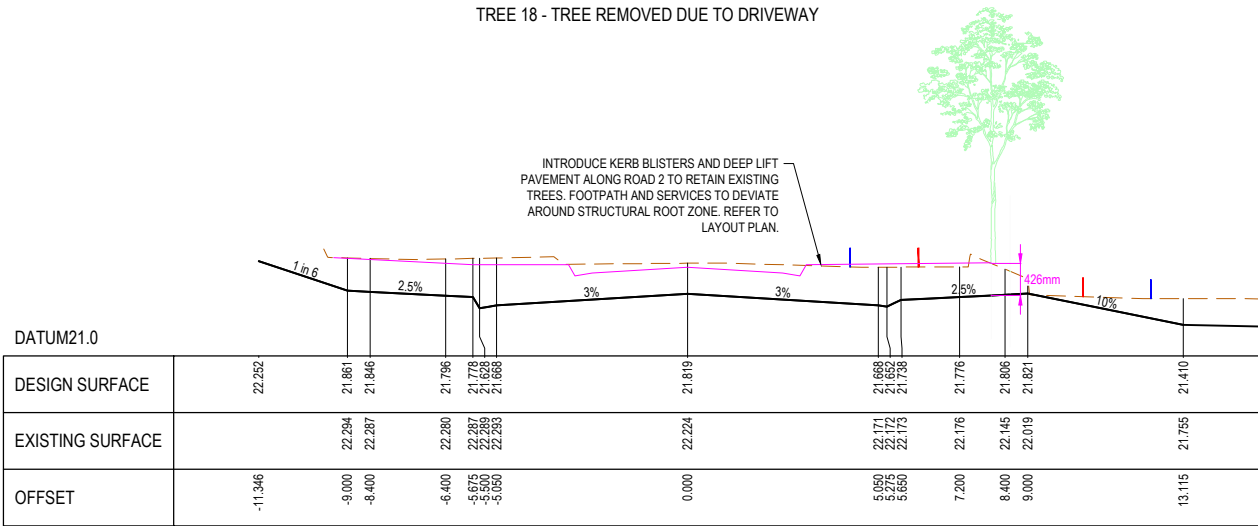


TREE 3

| Tree | Genus and Species              | Common Name    | Maturity    | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | R <sub>RZ</sub> (m) | R <sub>SRZ</sub> (m) | Remove/Retain | Protected under DCP | Comments                                                                                                                                                                                                         |
|------|--------------------------------|----------------|-------------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|---------------------|----------------------|---------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3    | <i>Eucalyptus tereticornis</i> | Forest Red Gum | Mature      | 1         | Commercial           | 15         | 10        | 45       | 51       | Good   | Good      | N/A              | Long   | High                   | High            | 5.4                 | 2.5                  | Remove        | Yes                 | Large tree of indigenous species significance observed to be in good condition.                                                                                                                                  |
| 15   | <i>Eucalyptus moluccana</i>    | Grey Box       | Mature      | 1         | Commercial           | 14         | 8         | 53       | 59       | Good   | Good      | N/A              | Medium | High                   | High            | 6.4                 | 2.7                  | Remove        | Yes                 | Maturing tree of indigenous species significance in narrow garden within carpark. Root growth has displaced kerb, gutter and asphalt carpark.                                                                    |
| 16   | <i>Eucalyptus moluccana</i>    | Grey Box       | Semi mature | 1         | Commercial           | 11         | 4         | 16       | 21       | Good   | Good      | N/A              | Long   | High                   | High            | 2.0                 | 1.7                  | Remove        | Yes                 | Maturing tree of indigenous species significance in narrow garden within carpark. Root growth has displaced kerb and gutter.                                                                                     |
| 17   | <i>Eucalyptus moluccana</i>    | Grey Box       | Mature      | 1         | Commercial           | 14         | 8         | 33       | 37       | Good   | Fair      | N/A              | Medium | High                   | High            | 4.0                 | 2.2                  | Remove        | Yes                 | Maturing tree of indigenous species significance in narrow garden within carpark. Root growth has displaced kerb, gutter and asphalt carpark. 5 stem bifurcates at 2 metres. No signs of Union weakness.         |
| 18   | <i>Eucalyptus moluccana</i>    | Grey Box       | Mature      | 1         | Commercial           | 13         | 8         | 39       | 43       | Good   | Fair      | N/A              | Medium | High                   | High            | 4.7                 | 2.3                  | Remove        | Yes                 | Maturing tree of indigenous species significance in narrow garden within carpark. Root growth has displaced kerb, gutter and asphalt carpark. 5 stem bifurcates at 5 metres. Union with signs of bark inclusion. |



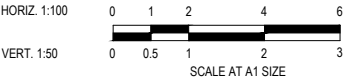
TREE 18 - TREE REMOVED DUE TO DRIVEWAY



TREE 17

PRELIMINARY PRINT  
NOT FOR CONSTRUCTION

|                                                                                                                                                                                                   |                         |          |      |      |     |             |      |      |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------|------|------|-----|-------------|------|------|------|
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| B                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |
| A                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 15.04.25 | J.G. | S.G. |     |             |      |      |      |
| REV                                                                                                                                                                                               | DESCRIPTION             | DATE     | DRN. | APP. | REV | DESCRIPTION | DATE | DRN. | APP. |



|           |            |
|-----------|------------|
| Designed  | S.FERGUSON |
| Date      | 11.04.2025 |
| Drawn     | S.FERGUSON |
| Checked   | A.Chester  |
| Date      | XX/XX/XX   |
| Approved  | S.GRAY     |
| Reg. No.  | PEXXXXXXX  |
| Date      | 11.04.25   |
| PS Number | -          |

BW

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Oran Park NSW 2570

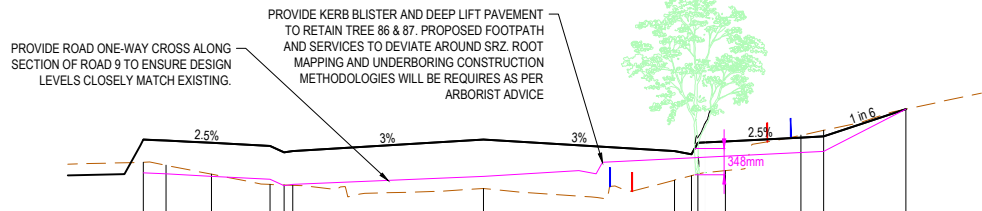
ph: 02 46255055  
www.beveridgewilliams.com.au

|                 |                                                                            |
|-----------------|----------------------------------------------------------------------------|
| Project Details | WSU MILPERRA<br>2 BULLECOURT AVE, MILPERRA<br>CANTERBURY-BANKSTOWN COUNCIL |
| Drawing Title   | CASE STUDY 1<br>TREE SECTIONS<br>(SHEET 1 OF 6)                            |

Sheet 03 of 31

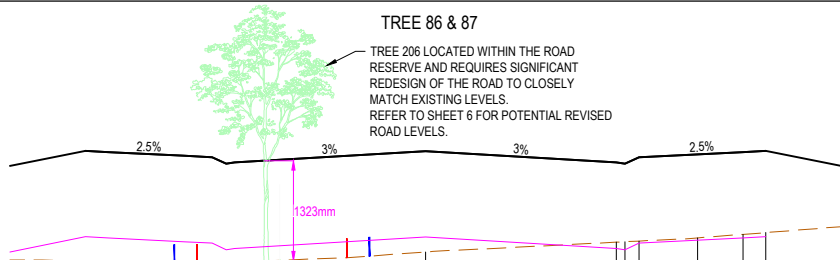
Scale  
1:100 H 1:50 V @ A1

|             |          |            |     |
|-------------|----------|------------|-----|
| Project Ref | Stage No | Drawing No | Rev |
| 2301879     | 150-01   | 200        | C   |



DATUM19.0

| DESIGN SURFACE   | 20.207 | 20.192 | 20.162 | 20.123 | 20.037 | 20.053 | 20.013 | 20.181 | 20.231 | 20.246 | 20.609 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| EXISTING SURFACE | 19.906 | 19.866 | 19.748 | 19.812 | 19.805 | 19.800 | 19.558 | 19.670 | 19.729 | 19.752 | 20.263 |
| OFFSET           | -9.000 | -8.400 | -7.200 | -5.650 | -5.275 | -5.050 | 0.000  | 5.050  | 5.500  | 5.675  | 8.400  |



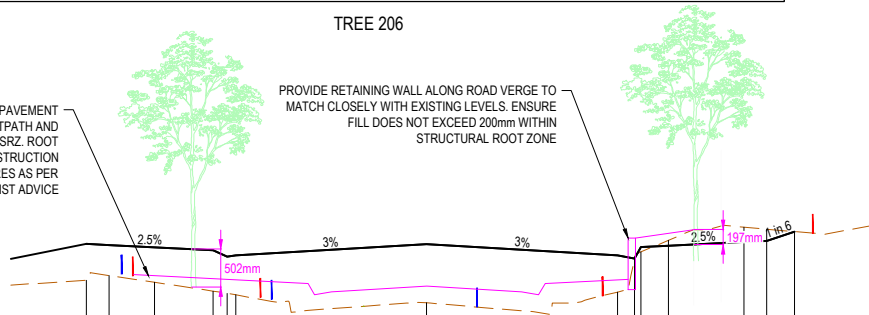
DATUM16.0

| DESIGN SURFACE   | 18.018 | 18.003 | 17.953 | 17.934 | 17.884 | 18.016 | 17.884 | 17.848 | 17.934 | 17.973 | 18.003 | 18.018 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| EXISTING SURFACE | 16.554 | 16.544 | 16.525 | 16.537 | 16.516 | 16.682 | 16.811 | 16.816 | 16.826 | 16.867 | 16.914 | 16.938 |
| OFFSET           | -9.000 | -8.400 | -6.400 | -6.650 | -5.650 | 0.000  | 5.050  | 5.275  | 5.650  | 7.200  | 8.400  | 9.000  |

TREE 206

PROVIDE KERB BLISTER AND DEEP LIFT PAVEMENT TO RETAIN TREE 85. PROPOSED FOOTPATH AND SERVICES TO DEVIATE AROUND SRZ. ROOT MAPPING AND UNDERBORING CONSTRUCTION METHODOLOGIES WILL BE REQUIRES AS PER ARBORIST ADVICE

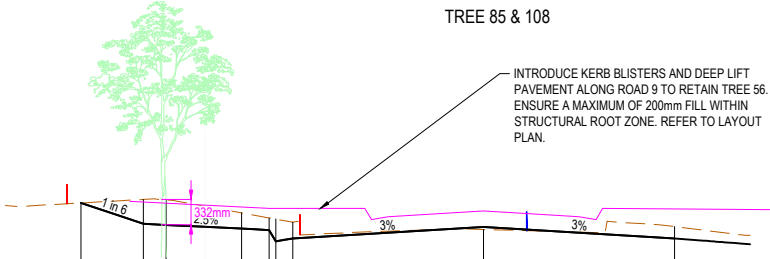
PROVIDE RETAINING WALL ALONG ROAD VERGE TO MATCH CLOSELY WITH EXISTING LEVELS. ENSURE FILL DOES NOT EXCEED 200mm WITHIN STRUCTURAL ROOT ZONE



DATUM19.0

| DESIGN SURFACE   | 20.462 | 20.447 | 20.417 | 20.378 | 20.308 | 20.460 | 20.308 | 20.268 | 20.416 | 20.436 | 20.466 | 20.501 | 20.624 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| EXISTING SURFACE | 19.980 | 20.042 | 19.953 | 19.837 | 19.808 | 19.681 | 19.824 | 20.257 | 20.334 | 20.509 | 20.682 | 20.656 | 20.624 |
| OFFSET           | -9.000 | -8.400 | -7.200 | -5.650 | -5.275 | 0.000  | 5.050  | 5.500  | 5.675  | 6.400  | 8.400  | 9.000  | 9.735  |

TREE 85 & 108



DATUM20.0

| DESIGN SURFACE   | 21.080  | 20.805 | 20.790 | 20.740 | 20.722 | 20.703 | 20.612 |
|------------------|---------|--------|--------|--------|--------|--------|--------|
| EXISTING SURFACE | 21.080  | 21.126 | 21.120 | 20.948 | 20.882 | 20.729 | 20.768 |
| OFFSET           | -10.649 | -9.000 | -8.400 | -6.400 | -5.675 | 0.000  | 5.050  |

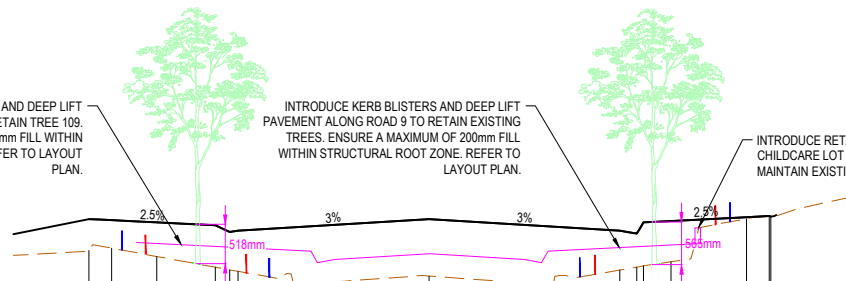
TREE 56

| Tree | Genus and Species           | Common Name                | Maturity    | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DIF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | Rmz (m) | Rsz (m) | Remove/Retain | Protected under DCP | Comments                                                                                                                                                                                    |
|------|-----------------------------|----------------------------|-------------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|---------|---------|---------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 56   | <i>Eucalyptus moluccana</i> | Grey Box                   | Semi mature | 1         | Commercial           | 19         | 16        | 76       | 88       | Good   | Good      | N/A              | Long   | High                   | High            | 9.1     | 3.1     | Remove        | Yes                 | Large tree of indigenous species significance positioned close to edge of existing garden. Root growth has displaced adjacent kerb and gutter.                                              |
| 85   | <i>Eucalyptus crebra</i>    | Narrow-leaved Red Ironbark | Mature      | 1         | Commercial           | 21         | 13        | 51       | 67       | Good   | Fair      | N/A              | Long   | High                   | High            | 6.1     | 2.8     | Remove        | Yes                 | Large tree of indigenous species significance in good condition. Wound in upper canopy with signs of tissue necrosis and decay.                                                             |
| 86   | <i>Pyrus calleryana</i>     | Callery Pear               | Semi mature | 1         | Commercial           | 5          | 4         | 14       | 20       | Good   | Fair      | N/A              | Long   | Low                    | Low             | 2.0     | 1.7     | Remove        | Yes                 | Small tree of reduced species value.                                                                                                                                                        |
| 87   | <i>Pyrus calleryana</i>     | Callery Pear               | Semi mature | 1         | Commercial           | 5          | 4         | 20       | 24       | Good   | Fair      | N/A              | Long   | Low                    | Low             | 2.4     | 1.8     | Remove        | Yes                 | Small tree of reduced species value.                                                                                                                                                        |
| 88   | <i>Pyrus calleryana</i>     | Callery Pear               | Semi mature | 1         | Commercial           | 5          | 4         | 15       | 18       | Good   | Fair      | N/A              | Long   | Low                    | Low             | 2.0     | 1.6     | Remove        | Yes                 | Small tree of reduced species value.                                                                                                                                                        |
| 89   | <i>Pyrus calleryana</i>     | Callery Pear               | Semi mature | 1         | Commercial           | 5          | 4         | 15       | 18       | Good   | Fair      | N/A              | Long   | Low                    | Low             | 2.0     | 1.6     | Remove        | Yes                 | Small tree of reduced species value.                                                                                                                                                        |
| 108  | <i>Eucalyptus crebra</i>    | Narrow-leaved Red Ironbark | Mature      | 1         | Commercial           | 18         | 14        | 52       | 67       | Fair   | Poor      | N/A              | Medium | High                   | High            | 6.2     | 2.8     | Remove        | Yes                 | Large tree of indigenous species significance positioned within narrow garden bed in carpark. Canopy with minor signs of dieback. Two fungal fruiting bodies on eastern side of lower stem. |
| 109  | <i>Pyrus calleryana</i>     | Manchurian Pear            | Mature      | 1         | Commercial           | 4          | 3         | 10       | 13       | Good   | Fair      | N/A              | Medium | Low                    | Low             | 2.0     | 1.4     | Remove        | No                  | Small tree of reduced species value.                                                                                                                                                        |
| 110  | <i>Pyrus calleryana</i>     | Manchurian Pear            | Mature      | 1         | Commercial           | 6          | 6         | 15       | 20       | Good   | Fair      | N/A              | Medium | Low                    | Low             | 2.0     | 1.7     | Remove        | Yes                 | Small tree of reduced species value.                                                                                                                                                        |
| 206  | <i>Eucalyptus scoparia</i>  | Wallangarra Gum            | Mature      | 1         | Stage 6              | 13         | 8         | 22       | 29       | Fair   | Fair      | N/A              | Medium | Moderate               | Moderate        | 2.6     | 2.0     | Remove        | No                  | Maturing tree of native species value. Canopy with signs of dieback.                                                                                                                        |

INTRODUCE KERB BLISTERS AND DEEP LIFT PAVEMENT ALONG ROAD 9 TO RETAIN TREE 109. ENSURE A MAXIMUM OF 200mm FILL WITHIN STRUCTURAL ROOT ZONE. REFER TO LAYOUT PLAN.

INTRODUCE KERB BLISTERS AND DEEP LIFT PAVEMENT ALONG ROAD 9 TO RETAIN EXISTING TREES. ENSURE A MAXIMUM OF 200mm FILL WITHIN STRUCTURAL ROOT ZONE. REFER TO LAYOUT PLAN.

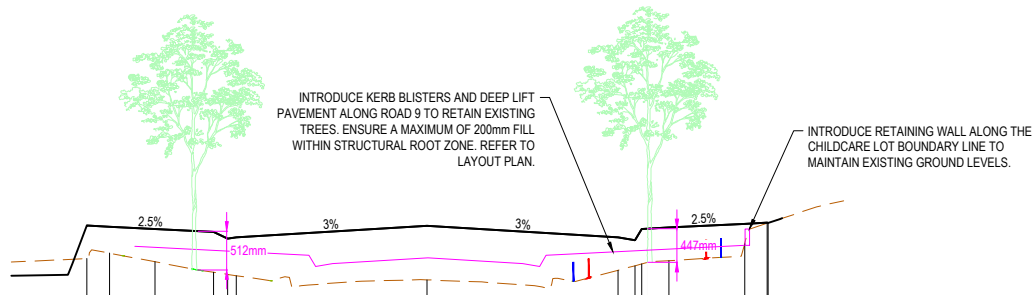
INTRODUCE RETAINING WALL ALONG THE CHILDCARE LOT BOUNDARY LINE TO MAINTAIN EXISTING GROUND LEVELS.



DATUM19.0

| DESIGN SURFACE   | 20.397 | 20.382 | 20.352 | 20.313 | 20.227 | 20.395 | 20.243 | 20.203 | 20.203 | 20.353 | 20.371 | 20.421 | 20.436 | 20.429 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| EXISTING SURFACE | 19.979 | 20.012 | 19.902 | 19.760 | 19.726 | 19.643 | 19.722 | 19.761 | 19.776 | 19.831 | 19.831 | 20.400 | 20.428 | 20.429 |
| OFFSET           | -9.000 | -8.400 | -7.200 | -5.650 | -5.275 | 0.000  | 5.050  | 5.500  | 5.675  | 6.400  | 8.400  | 9.000  | 9.000  | 9.049  |

TREE 89 & 109



DATUM19.0

| DESIGN SURFACE   | 20.302 | 20.287 | 20.257 | 20.218 | 20.132 | 20.300 | 20.148 | 20.108 | 20.258 | 20.276 | 20.326 | 20.341 | 20.338 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| EXISTING SURFACE | 19.866 | 19.937 | 19.823 | 19.865 | 19.657 | 19.594 | 19.713 | 19.771 | 19.794 | 19.838 | 20.062 | 20.334 | 20.338 |
| OFFSET           | -9.000 | -8.400 | -7.200 | -5.650 | -5.275 | 0.000  | 5.050  | 5.500  | 5.675  | 6.400  | 8.400  | 9.000  | 9.021  |

TREE 88 & 110

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| A                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 15.04.25 | J.G. | S.G. |     |             |      |      |      |
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HORIZ. 1:100

VERT. 1:50

SCALE AT A1 SIZE

|           |            |
|-----------|------------|
| Designed  | S.FERGUSON |
| Date      | 11.04.2025 |
| Drawn     | S.FERGUSON |
| Checked   | A.Chesler  |
| Date      | 20.03.25   |
| Approved  | S.GRAY     |
| Reg. No.  | PEXXXXXXX  |
| Date      | 11.04.25   |
| PS Number | -          |

**BW** Beveridge Williams

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Oran Park NSW 2570

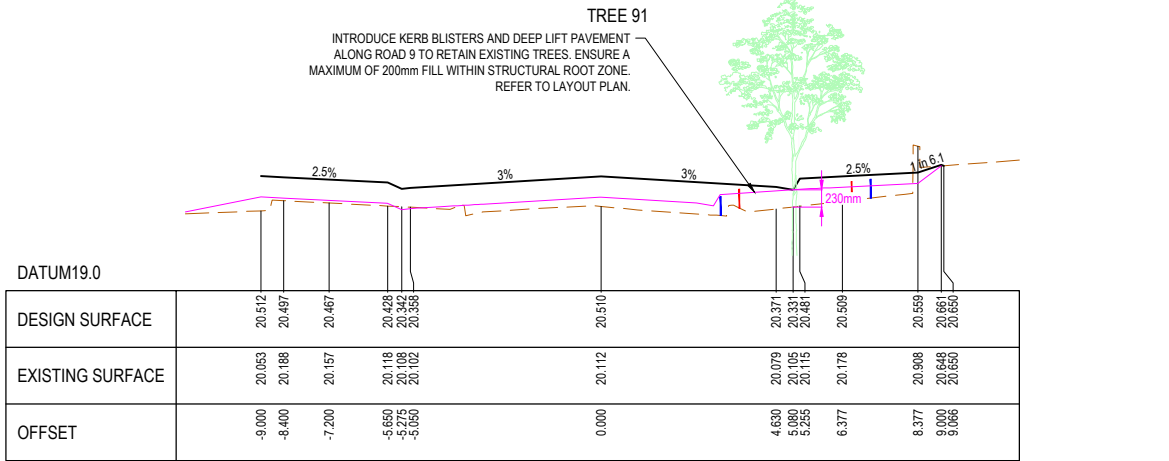
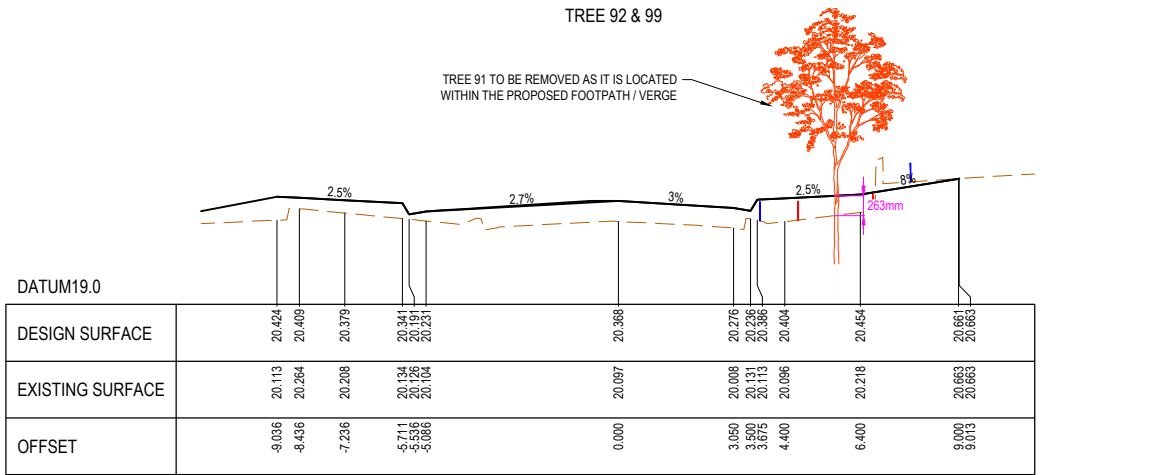
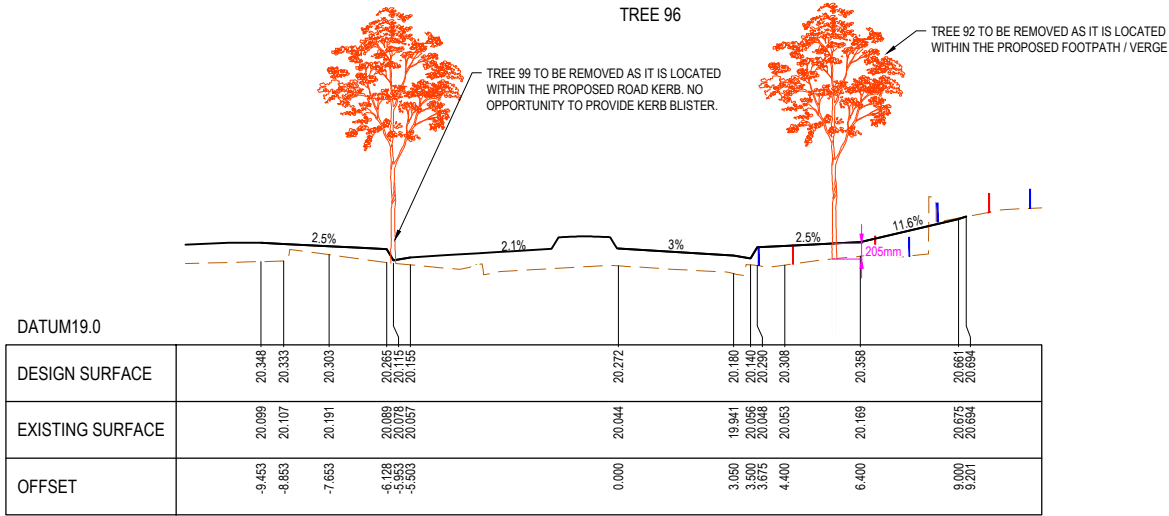
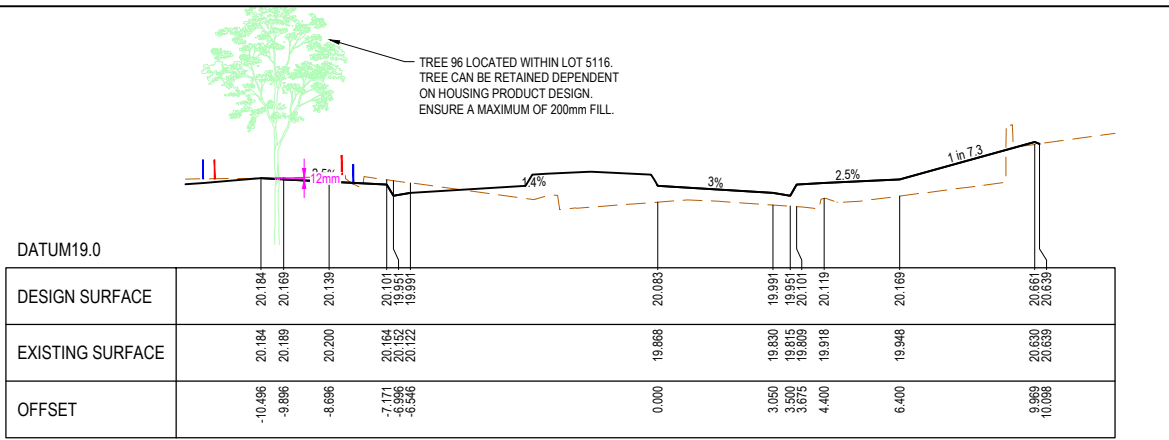
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|                 |                                                                            |
|-----------------|----------------------------------------------------------------------------|
| Project Details | WSU MILPERRA<br>2 BULLECOURT AVE, MILPERRA<br>CANTERBURY-BANKSTOWN COUNCIL |
| Drawing Title   | CASE STUDY 1<br>TREE SECTIONS<br>(SHEET 2 OF 6)                            |

Sheet 04 of 31

Scale  
1:100 H 1:50 V @ A1

|             |          |            |     |
|-------------|----------|------------|-----|
| Project Ref | Stage No | Drawing No | Rev |
| 2301879     | 150-01   | 201        | C   |



TREE 90

LEGEND

EXISTING SURFACE

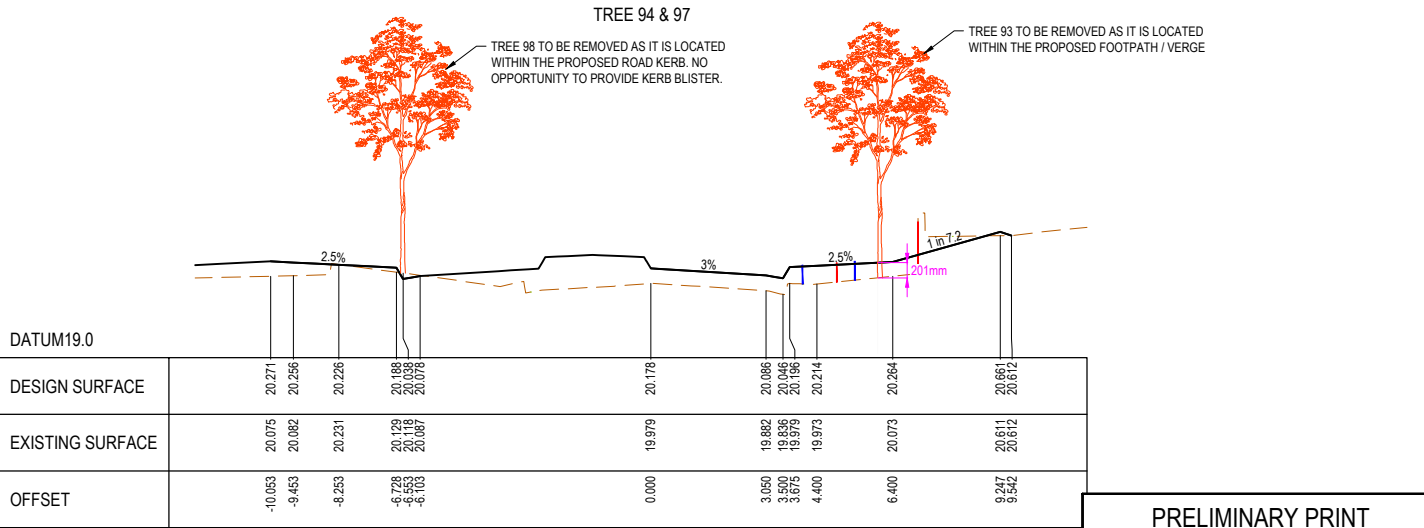
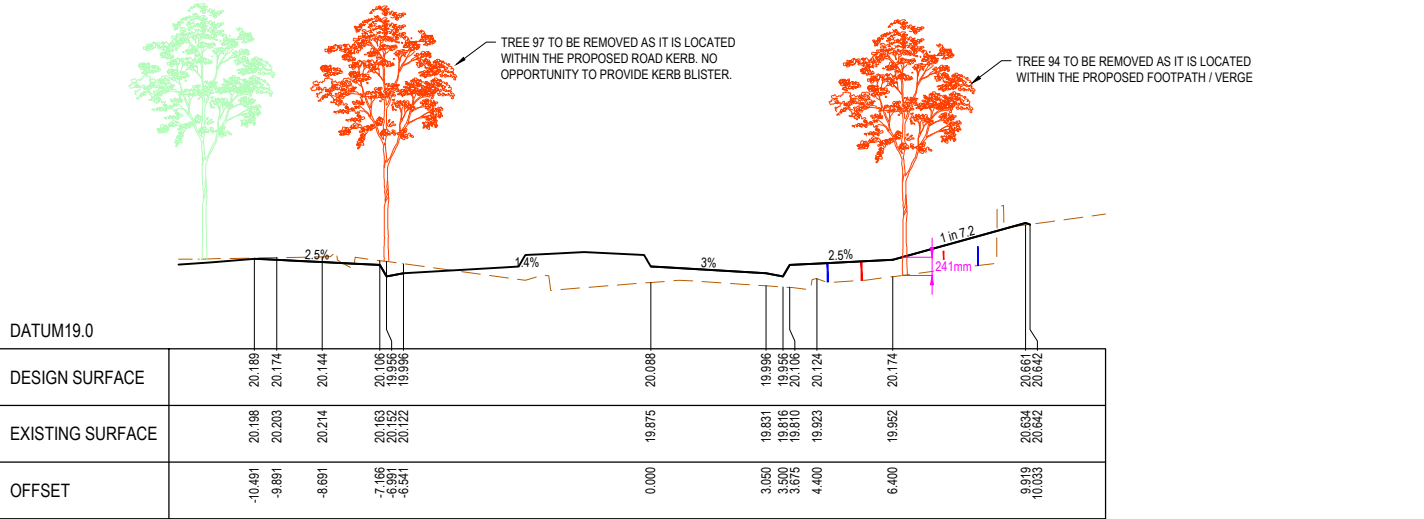
DESIGN SURFACE

REVISED DESIGN SURFACE INCLUDING  
POTENTIAL ROAD VERTICAL ADJUSTMENT.  
SUBJECT TO DETAILED DESIGN.

SRZ EXTENTS

TPZ EXTENTS

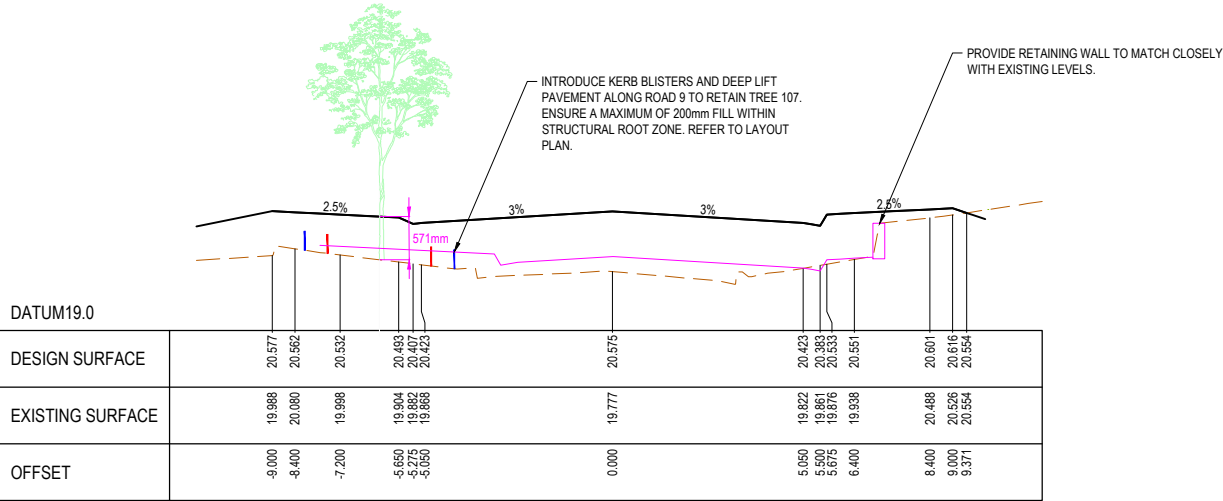
| Tree | Genus and Species         | Common Name     | Maturity    | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | R <sub>SRZ</sub> (m) | R <sub>TPZ</sub> (m) | Remove/Retain | Protected under DCP | Comments                                  |
|------|---------------------------|-----------------|-------------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|----------------------|----------------------|---------------|---------------------|-------------------------------------------|
| 90   | <i>Pyrus calleryana</i>   | Manchurian Pear | Semi mature | 1         | Stage 5              | 4          | 3         | 10       | 15       | Good   | Fair      | N/A              | Long   | Low                    | Low             | 2.0                  | 1.5                  | Remove        | No                  | Small tree of reduced species value.      |
| 91   | <i>Pyrus calleryana</i>   | Callery Pear    | Semi mature | 1         | Stage 5              | 4          | 2         | 5        | 6        | Good   | Fair      | N/A              | Long   | Low                    | Low             | 2.0                  | 1.0                  | Remove        | No                  | Small tree of reduced species value.      |
| 92   | <i>Pyrus calleryana</i>   | Manchurian Pear | Semi mature | 1         | Stage 5              | 5          | 2         | 5        | 7        | Good   | Fair      | N/A              | Long   | Low                    | Low             | 2.0                  | 1.1                  | Remove        | Yes                 | Small tree of reduced species value.      |
| 93   | <i>Pyrus calleryana</i>   | Manchurian Pear | Semi mature | 1         | Stage 5              | 5          | 2         | 5        | 7        | Good   | Fair      | N/A              | Long   | Low                    | Low             | 2.0                  | 1.1                  | Remove        | Yes                 | Small tree of reduced species value.      |
| 94   | <i>Pyrus calleryana</i>   | Manchurian Pear | Semi mature | 1         | Stage 5              | 5          | 2         | 5        | 7        | Good   | Fair      | N/A              | Long   | Low                    | Low             | 2.0                  | 1.1                  | Remove        | Yes                 | Small tree of reduced species value.      |
| 95   | <i>Corymbia ficifolia</i> | Flowering Gum   | Semi mature | 1         | Stage 5              | 3          | 3         | 12       | 20       | Fair   | Fair      | N/A              | Medium | Moderate               | Moderate        | 2.0                  | 1.7                  | Remove        | No                  | Small tree. Canopy with signs of dieback. |
| 96   | <i>Pyrus calleryana</i>   | Manchurian Pear | Mature      | 1         | Stage 5              | 5          | 5         | 15       | 20       | Good   | Fair      | N/A              | Medium | Low                    | Low             | 2.0                  | 1.7                  | Remove        | Yes                 | Small tree of reduced species value.      |
| 97   | <i>Pyrus calleryana</i>   | Manchurian Pear | Mature      | 1         | Stage 5              | 5          | 5         | 15       | 20       | Good   | Fair      | N/A              | Medium | Low                    | Low             | 2.0                  | 1.7                  | Remove        | Yes                 | Small tree of reduced species value.      |
| 98   | <i>Pyrus calleryana</i>   | Callery Pear    | Mature      | 1         | Stage 5              | 6          | 3         | 22       | 25       | Good   | Fair      | N/A              | Medium | Low                    | Low             | 2.6                  | 1.8                  | Remove        | Yes                 | Small tree of reduced species value.      |
| 99   | <i>Pyrus calleryana</i>   | Callery Pear    | Mature      | 1         | Stage 5              | 6          | 3         | 22       | 25       | Good   | Fair      | N/A              | Medium | Low                    | Low             | 2.6                  | 1.8                  | Remove        | Yes                 | Small tree of reduced species value.      |



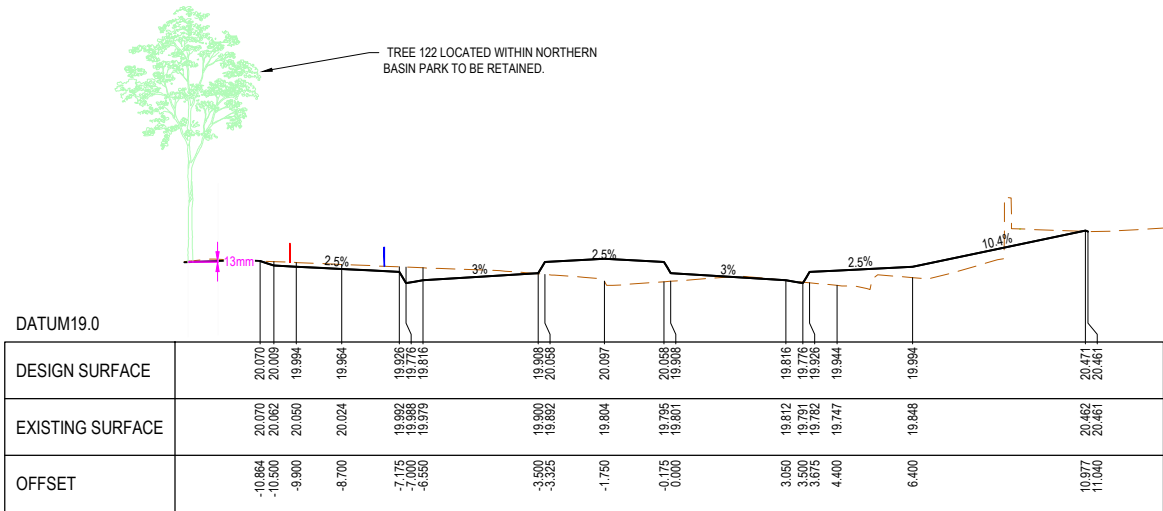
TREE 93 & 98

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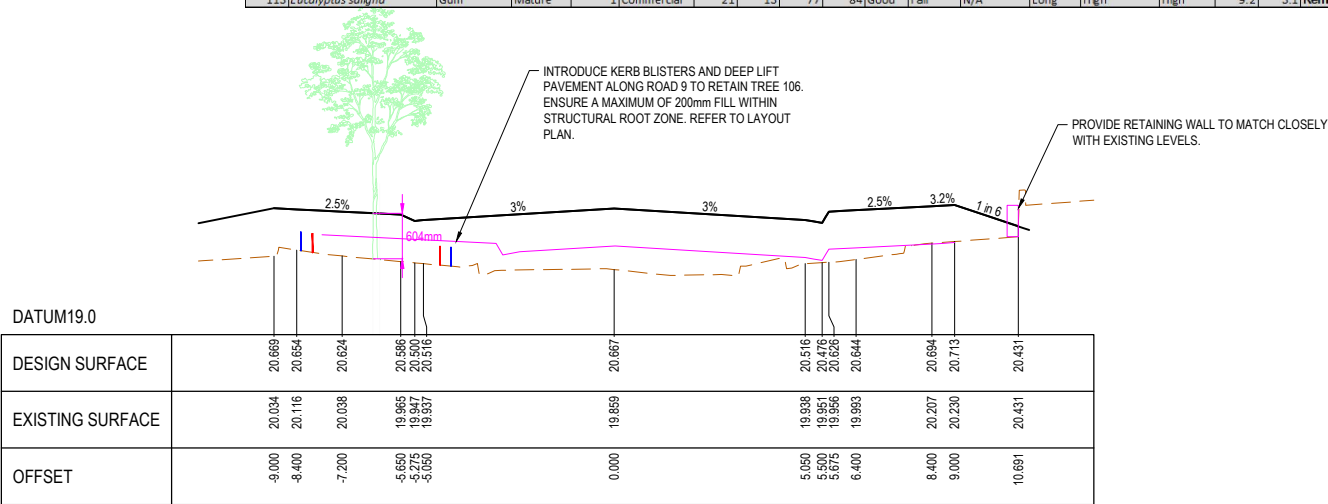
| LEGEND |                                                                                                  |
|--------|--------------------------------------------------------------------------------------------------|
|        | EXISTING SURFACE                                                                                 |
|        | DESIGN SURFACE                                                                                   |
|        | REVISED DESIGN SURFACE INCLUDING POTENTIAL ROAD VERTICAL ADJUSTMENT. SUBJECT TO DETAILED DESIGN. |
|        | SRZ EXTENTS                                                                                      |
|        | TPZ EXTENTS                                                                                      |



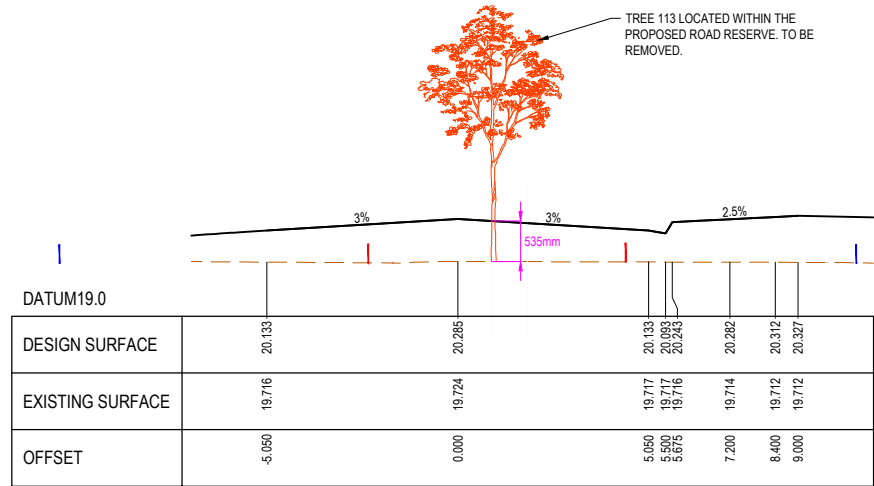
TREE 107



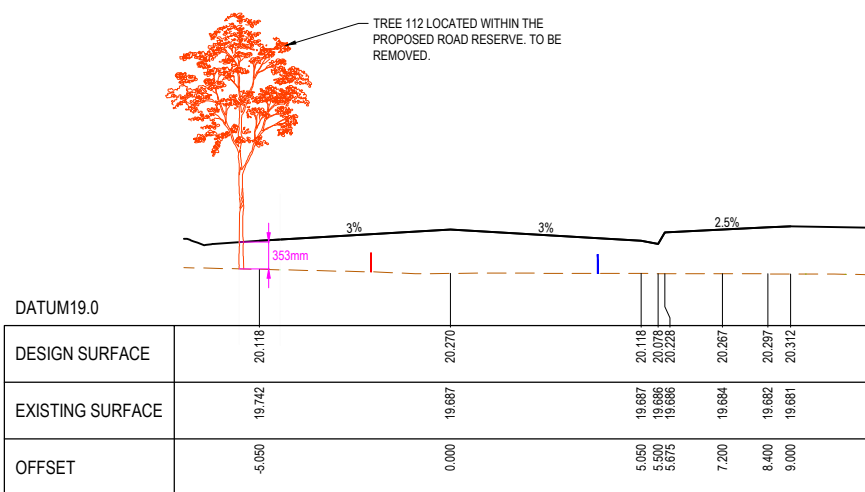
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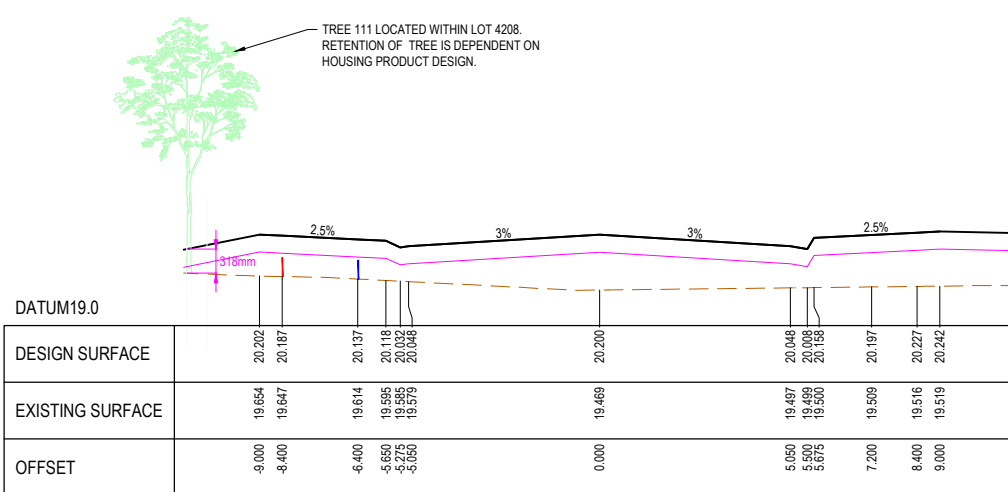
TREE 106



TREE 113



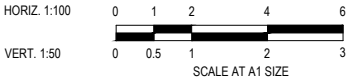
TREE 112



TREE 111

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|                                                                                                                                                                                                   |                         |          |      |      |     |             |      |      |      |
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| C                                                                                                                                                                                                 | ISSUED FOR COORDINATION | 16.05.25 | J.G. | S.G. |     |             |      |      |      |
| B                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |
| A                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 15.04.25 | J.G. | S.G. |     |             |      |      |      |



|                              |                                |
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| Drawn                        | S.FERGUSON                     |
| Checked<br>Date              | A. Checker<br>XX.XX.XX         |
| Approved<br>Reg. No.<br>Date | S.GRAY<br>PEXXXXXX<br>11.04.25 |
| PS Number                    | -                              |

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|                    |                                                                            |
|--------------------|----------------------------------------------------------------------------|
| Project<br>Details | WSU MILPERRA<br>2 BULLECOURT AVE, MILPERRA<br>CANTERBURY-BANKSTOWN COUNCIL |
| Drawing<br>Title   | CASE STUDY 1<br>TREE SECTIONS<br>(SHEET 4 OF 6)                            |

|                     |                           |
|---------------------|---------------------------|
| Sheet 06 of 31      | Scale 1:100 H 1:50 V @ A1 |
| Project Ref 2301879 | Stage No 150-01           |
| Drawing No 203      | Rev C                     |

LEGEND

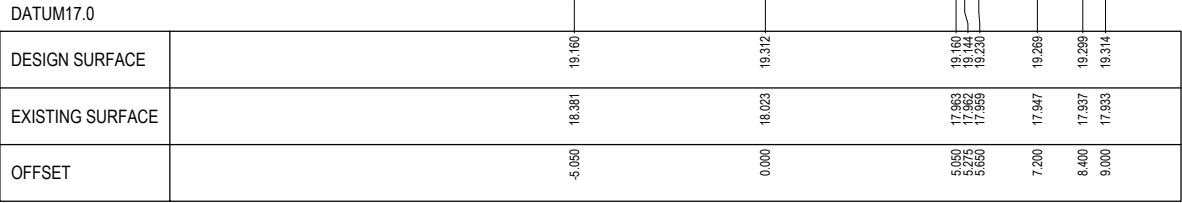
EXISTING SURFACE

DESIGN SURFACE

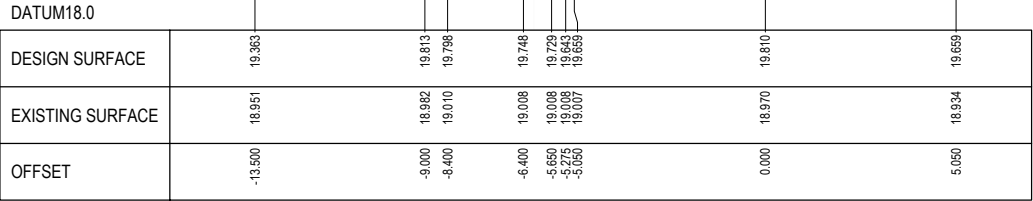
REVISED DESIGN SURFACE INCLUDING  
POTENTIAL ROAD VERTICAL ADJUSTMENT.  
SUBJECT TO DETAILED DESIGN.

SRZ EXTENTS

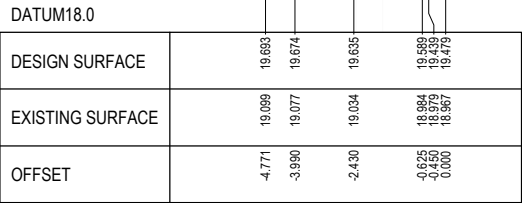
TPZ EXTENTS



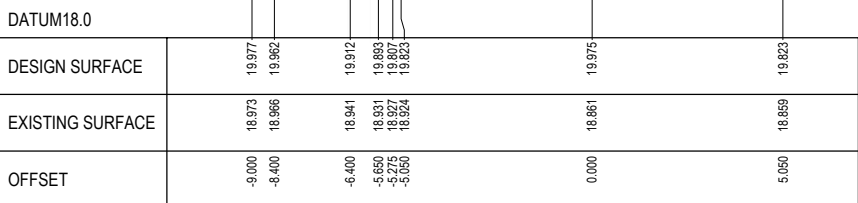
TREE 118



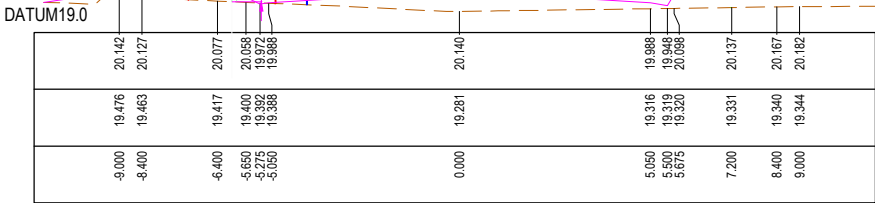
TREE 117



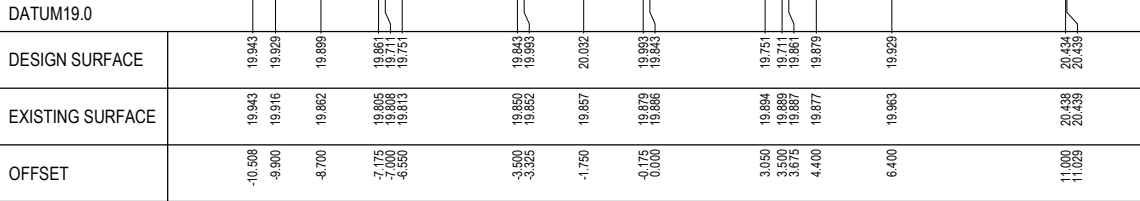
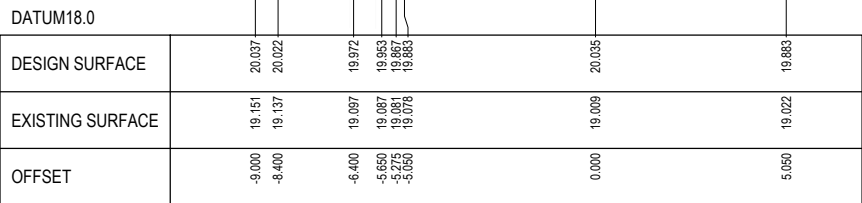
TREE 116



TREE 119



TREE 121

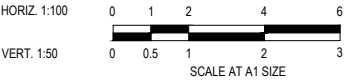


TREE 427

| Tree | Genus and Species            | Common Name                | Maturity    | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | Roz (m) | Rsz (m) | Remove/Retain | Protected under DCP | Comments                                                                                                                                         |
|------|------------------------------|----------------------------|-------------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|---------|---------|---------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 116  | <i>Lophostemon confertus</i> | Queensland Brush Box       | Mature      | 1         | Stage 5              | 10         | 7         | 27       | 31       | Poor   | Good      | N/A              | Medium | High                   | Moderate        | 3.2     | 2.0     | Remove        | Yes                 | Dieback.<br>Larger tree of native species value positioned within narrow garden on southern side of carpark. Canopy with minor signs of dieback. |
| 117  | <i>Eucalyptus scoparia</i>   | Wallangarra Gum            | Mature      | 1         | Stage 5              | 9          | 6         | 24       | 29       | Fair   | Fair      | N/A              | Medium | High                   | Moderate        | 2.9     | 2.0     | Remove        | No                  | Larger tree of native species value positioned within narrow garden on southern side of carpark. Canopy with minor signs of dieback.             |
| 118  | <i>Eucalyptus scoparia</i>   | Wallangarra Gum            | Mature      | 1         | Stage 5              | 11         | 10        | 38       | 49       | Fair   | Fair      | N/A              | Medium | High                   | Moderate        | 4.6     | 2.5     | Remove        | No                  | Maturing tree of native species value. Canopy with signs of dieback.                                                                             |
| 119  | <i>Eucalyptus scoparia</i>   | Wallangarra Gum            | Mature      | 1         | Stage 5              | 13         | 7         | 38       | 42       | Fair   | Fair      | N/A              | Medium | High                   | Moderate        | 4.6     | 2.3     | Remove        | No                  | Larger tree of native species value positioned within narrow garden on southern side of carpark.                                                 |
| 120  | <i>Eucalyptus scoparia</i>   | Wallangarra Gum            | Mature      | 1         | Stage 5              | 13         | 9         | 36       | 43       | Fair   | Fair      | N/A              | Medium | High                   | Moderate        | 4.3     | 2.3     | Remove        | No                  | Small, suppressed tree. Canopy with signs of dieback.                                                                                            |
| 121  | <i>Eucalyptus scoparia</i>   | Wallangarra Gum            | Semi mature | 1         | Stage 5              | 9          | 2         | 7        | 9        | Dead   | Poor      | N/A              | Dead   | Moderate               | Very Low        | 2.0     | 1.2     | Remove        | No                  | Large tree of native species value observed to be in good condition.                                                                             |
| 427  | <i>Eucalyptus crebra</i>     | Narrow-leaved Red Ironbark | Mature      | 1         | Commercial           | 16         | 15        | 61       | 67       | Good   | Good      | N/A              | Long   | High                   | High            | 7.3     | 2.8     | Retain        | Yes                 |                                                                                                                                                  |

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| B                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |
| A                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 15.04.25 | J.G. | S.G. |     |             |      |      |      |



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| Drawn     | S.FERGUSON |
| Checked   | A. Checker |
| Date      | XX/XX/XX   |
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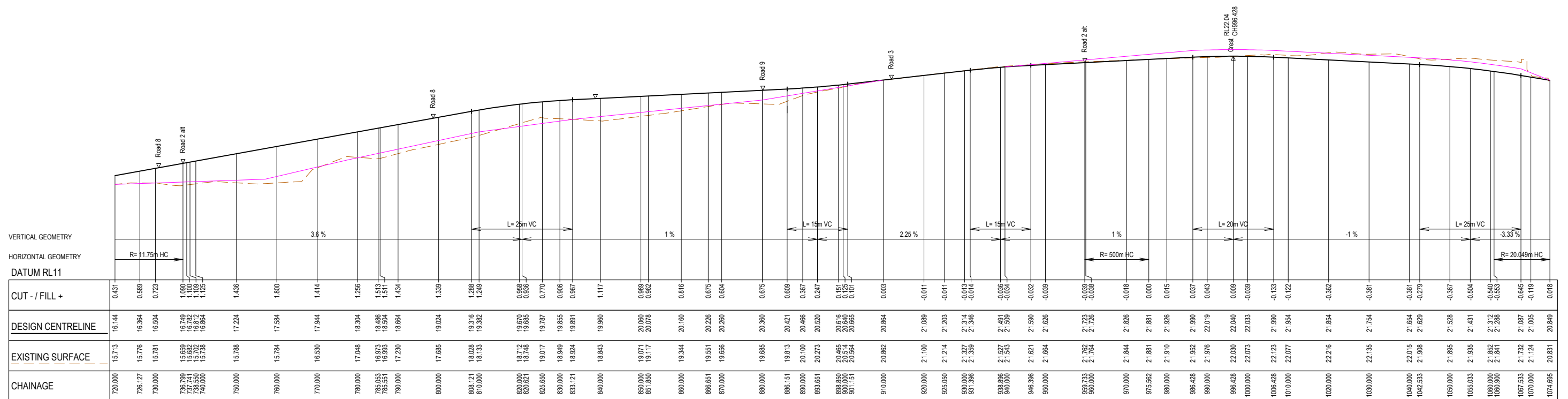
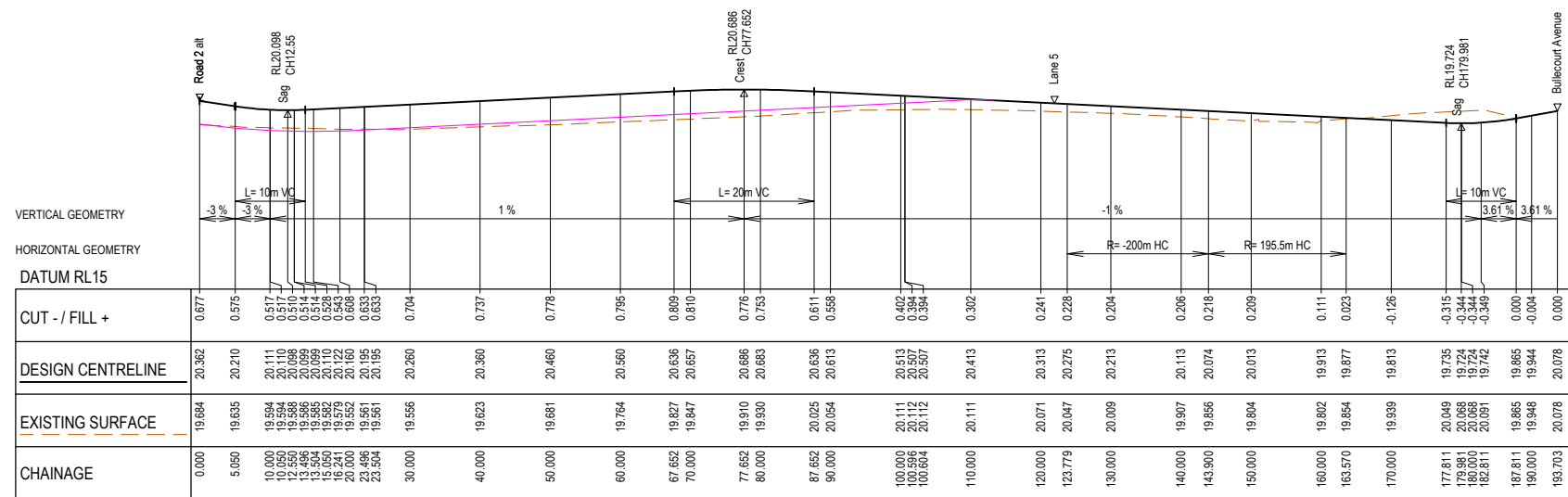
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|                 |                                                                            |
|-----------------|----------------------------------------------------------------------------|
| Project Details | WSU MILPERRA<br>2 BULLECOURT AVE, MILPERRA<br>CANTERBURY-BANKSTOWN COUNCIL |
| Drawing Title   | CASE STUDY 1<br>TREE SECTIONS<br>(SHEET 5 OF 6)                            |

Sheet 07 of 31

Scale  
1:100 H 1:50 V @ A1

|             |          |            |     |
|-------------|----------|------------|-----|
| Project Ref | Stage No | Drawing No | Rev |
| 2301879     | 150-01   | 204        | C   |



## LEGEND

|                                                                                     |                                                                                                        |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  | EXISTING SURFACE                                                                                       |
|  | DESIGN SURFACE                                                                                         |
|  | REVISED DESIGN SURFACE INCLUDING<br>POTENTIAL ROAD VERTICAL ADJUSTMENT,<br>SUBJECT TO DETAILED DESIGN. |
|  | SRZ EXTENTS                                                                                            |
|  | TPZ EXTENTS                                                                                            |

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| Checked   | A.Checker  |
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|                 |                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------|
| Project Details | <p>WSU MILPERRA</p> <p>2 BULLECOURT AVE, MILPERRA</p> <p>CANTERBURY-BANKSTOWN COUNCIL</p> |
| Drawing Title   | <p>CASE STUDY 1</p> <p>TREE SECTIONS</p> <p>(SHEET 6 OF 6)</p>                            |

|                              |          |            |     |
|------------------------------|----------|------------|-----|
| Sheet 08 of 31               |          |            |     |
| Scale<br>1:100 H 1:50 V @ A1 |          |            |     |
| Project Ref                  | Stage No | Drawing No | Rev |
| 2301879                      | 150-01   | 205        | C   |

Q:\wsw\jobs\23\2301879 - 2 Bullecourt Avenue Milperra\\_Eng\150 - Tree Retention Options\2301879-150-01-200-RXS.dwg

NOTES  
1. FEASIBILITY IS DEPENDENT ON DEPTH OF CUT & FILL

LEGEND

- TREE TO BE POTENTIALLY RETAINED. SUBJECT TO DETAILED DESIGN
- TREE TO BE REMOVED
- TREE REMOVED DUE TO STORM DAMAGE AS PER LATEST ARBORIST REPORT
- STRUCTURAL ROOT ZONE EXTENT
- TREE PROTECTION ZONE EXTENT
- EXISTING KERB & GUTTER ROAD DESIGN
- PROPOSED KERB & GUTTER ROAD AMENDMENTS TO ALLOW TREE RETENTION
- DEEP LIFT ASPHALT PAVEMENT TO SUPPORT TREE RETENTION
- EXISTING STORMWATER LAYOUT
- PROPOSED STORMWATER LAYOUT FOR TREE RETENTION

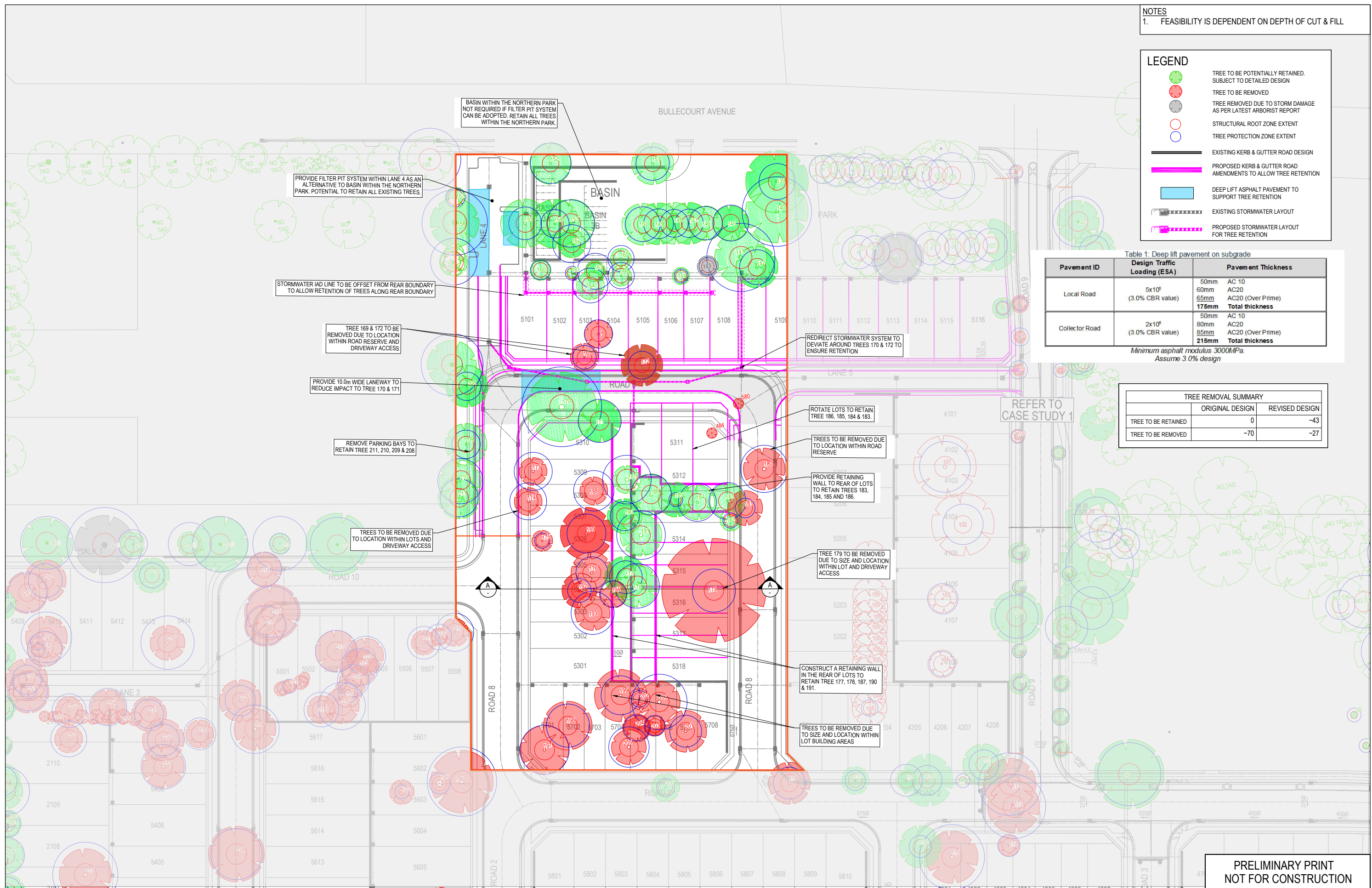
Table 1: Deep lift pavement on subgrade

| Pavement ID    | Design Traffic Loading (ESA)          | Pavement Thickness                                     |
|----------------|---------------------------------------|--------------------------------------------------------|
| Local Road     | 5x10 <sup>6</sup><br>(3.0% CBR value) | 50mm AC 10                                             |
|                |                                       | 60mm AC20                                              |
|                |                                       | 65mm AC20 (Over Prime)<br><b>175mm Total thickness</b> |
| Collector Road | 2x10 <sup>6</sup><br>(3.0% CBR value) | 50mm AC 10                                             |
|                |                                       | 80mm AC20                                              |
|                |                                       | 85mm AC20 (Over Prime)<br><b>215mm Total thickness</b> |

Minimum asphalt modulus 3000MPa.  
Assume 3.0% design

TREE REMOVAL SUMMARY

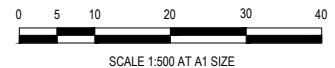
|                     | ORIGINAL DESIGN | REVISED DESIGN |
|---------------------|-----------------|----------------|
| TREE TO BE RETAINED | 0               | ~43            |
| TREE TO BE REMOVED  | ~70             | ~27            |



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Designed Date  
S.FERGUSON  
11.04.2025  
Drawn  
S.FERGUSON  
Approved Date  
S.GRAY  
11.04.25  
PS Number

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Project Details  
WSU MILPERRA  
2 BULLECOURT AVE, MILPERRA  
CANTERBURY-BANKSTOWN COUNCIL  
Drawing Title  
CASE STUDY 2  
LAYOUT

|                |            |            |     |
|----------------|------------|------------|-----|
| Sheet 09 of 31 |            |            |     |
| Scale          | 1:500 @ A1 |            |     |
| Project Ref    | Stage No   | Drawing No | Rev |
| 2301879        | 150        | 011        | C   |

LEGEND

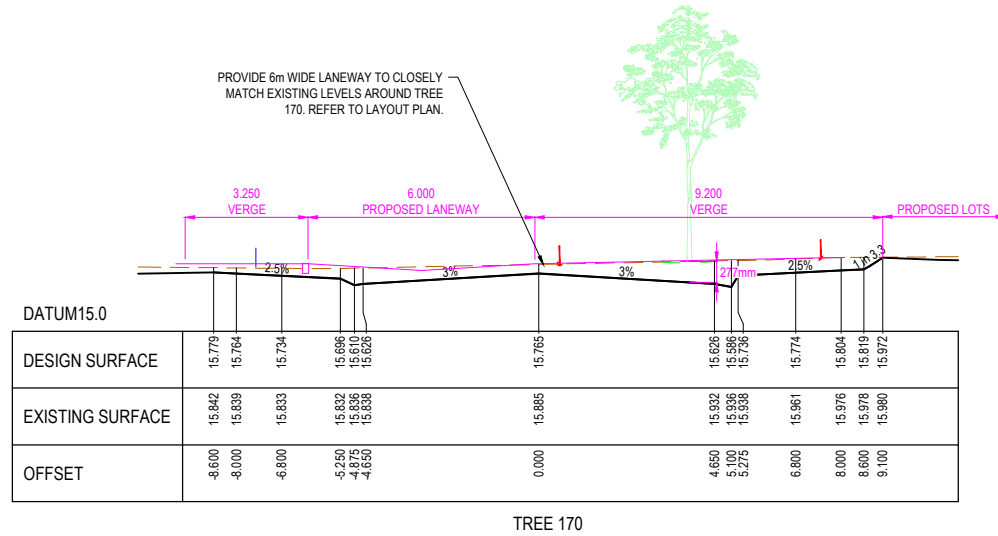
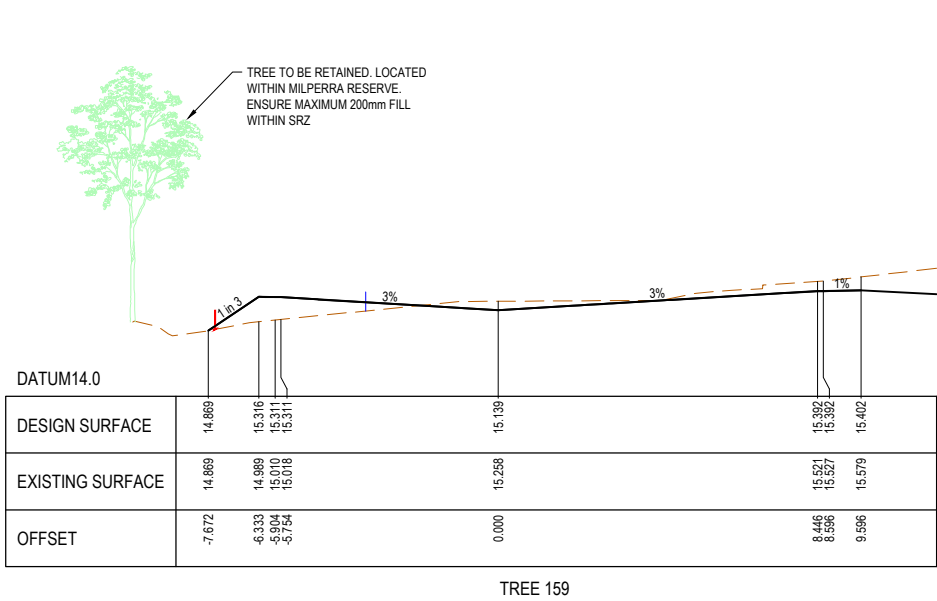
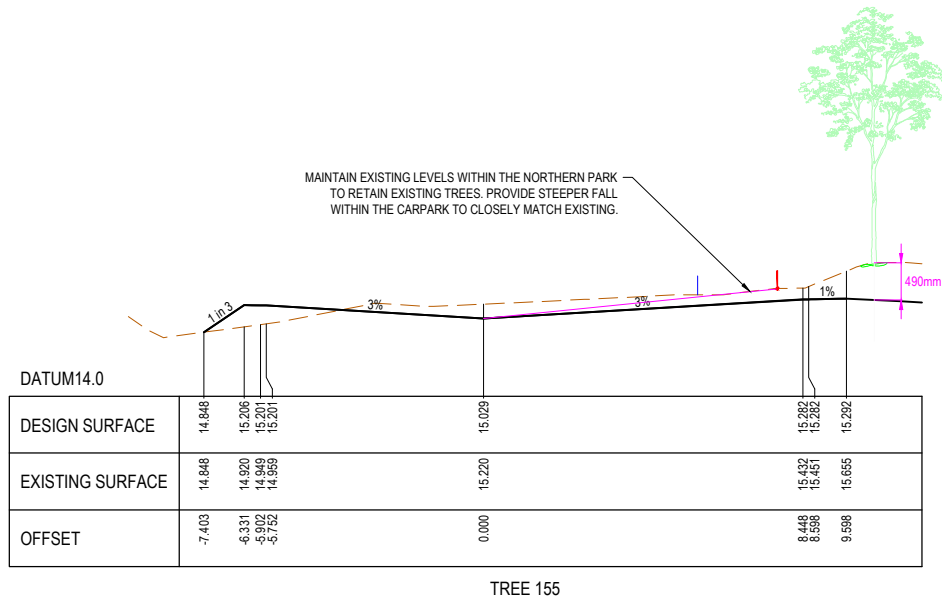
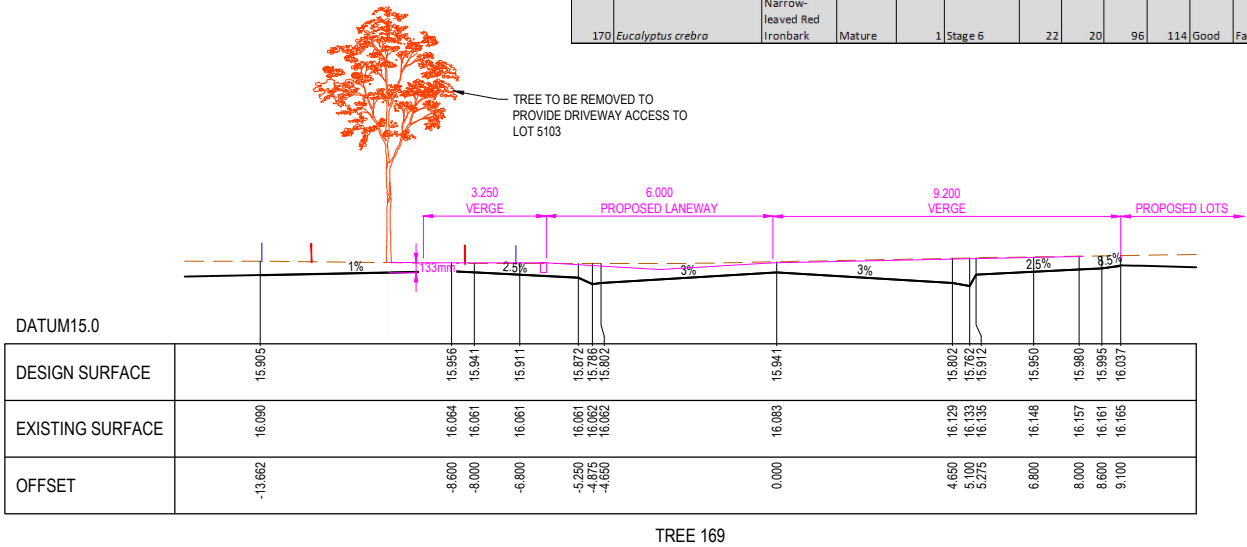
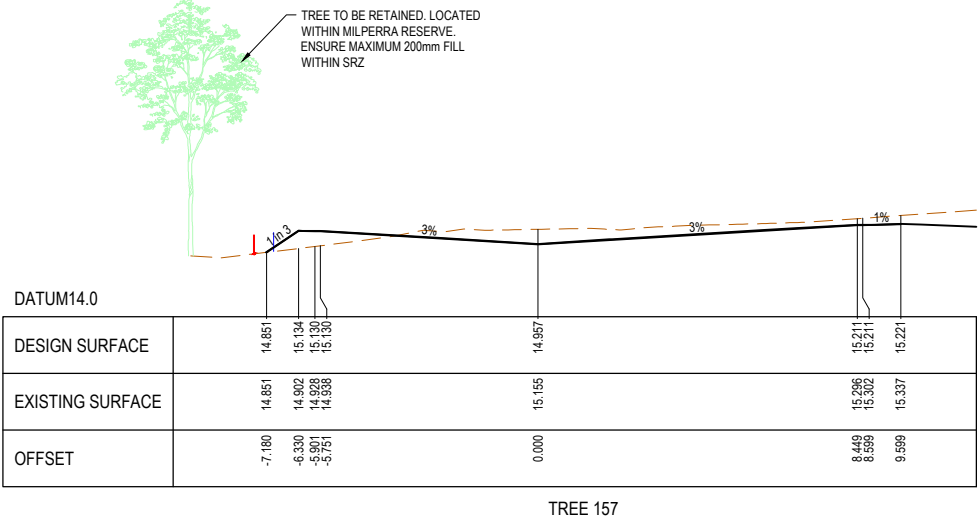
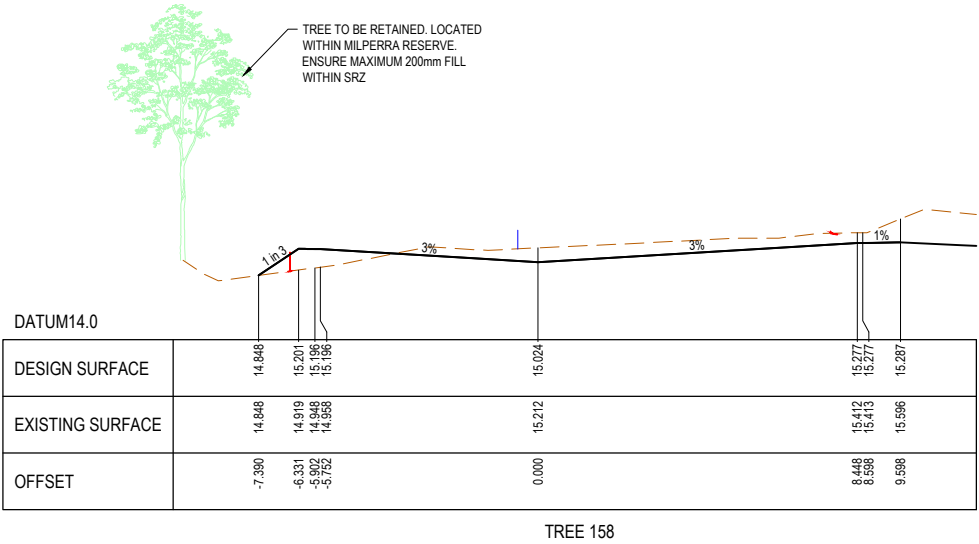
EXISTING SURFACE

DESIGN SURFACE

REVISED DESIGN SURFACE INCLUDING  
POTENTIAL ROAD VERTICAL ADJUSTMENT.  
SUBJECT TO DETAILED DESIGN.

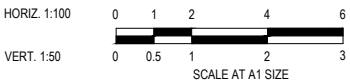
SRZ EXTENTS

TPZ EXTENTS



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Date  
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PS Number

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S.FERGUSON  
A.TREE&other  
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S.GRAY  
PEXXXXXXX  
11.04.25

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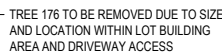
Project Details  
WSU MILPERRA  
2 BULLECOURT AVE, MILPERRA  
CANTERBURY-BANKSTOWN COUNCIL

Drawing Title  
CASE STUDY 2  
TREE SECTIONS  
(SHEET 1 OF 6)

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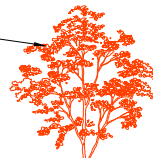
Q:\wsy\jobs\23\2301879 - 2 Bullecourt Avenue Milperra\_Eng\150 - Tree Retention Options\2301879-150-02-200-RXS.dwg



| DATUM17.0        |         |
|------------------|---------|
| DESIGN SURFACE   | 18.632  |
| EXISTING SURFACE | 18.477  |
| OFFSET           | -13.100 |

TREE 179

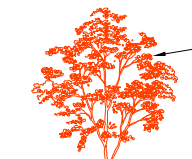
TREE 173 TO BE REMOVED TO  
PROVIDE DRIVEWAY TO LOT 5309



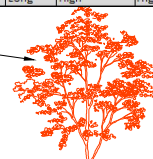
TREE 173

— UNDERBORE PROPOSED SERVICES AS PER ARBORIST ADVICE TO RETAIN TREE 172.

TREE 171

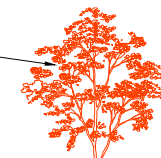


TREE 172



TREE 175

TREE 174 TO BE REMOVED TO  
PROVIDE DRIVEWAY TO LOT 5308



TREE 174

| Tree | Genus and Species           | Common Name                | Maturity    | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE  | Landscap e Significance | Retention Value | R <sub>72</sub> (m) | R <sub>82</sub> (m) | Remove / Retain | Protected under DCP |
|------|-----------------------------|----------------------------|-------------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|------|-------------------------|-----------------|---------------------|---------------------|-----------------|---------------------|
| 171  | <i>Eucalyptus crebra</i>    | Narrow-leaved Red Ironbark | Mature      | 1         | Stage 6              | 23         | 15        | 52       | 64       | Good   | Fair      | N/A              | Long | High                    | High            | 6.2                 | 2.7                 | Remove          | Yes                 |
| 172  | <i>Eucalyptus racemosa</i>  | Narrow-leaved Scribbly Gum | Mature      | 1         | Stage 6              | 14         | 8         | 33       | 39       | Good   | Good      | N/A              | Long | High                    | High            | 4.0                 | 2.2                 | Remove          | Yes                 |
| 173  | <i>Angophora floribunda</i> | Rough Barked Apple         | Mature      | 1         | Stage 6              | 14         | 9         | 46       | 53       | Good   | Good      | N/A              | Long | High                    | High            | 5.5                 | 2.5                 | Remove          | Yes                 |
| 174  | <i>Angophora floribunda</i> | Rough Barked Apple         | Mature      | 1         | Stage 6              | 15         | 10        | 44       | 65       | Fair   | Good      | N/A              | Long | High                    | High            | 5.3                 | 2.8                 | Remove          | Yes                 |
| 175  | <i>Corymbia citridora</i>   | Lemon-scented Gum          | Semi-mature | 1         | Stage 6              | 15         | 6         | 18       | 22       | Good   | Good      | N/A              | Long | High                    | High            | 2.2                 | 1.8                 | Remove          | Yes                 |
| 179  | <i>Corymbia maculata</i>    | Spotted Gum                | Mature      | 1         | Stage 6              | 23         | 12        | 52       | 67       | Good   | Good      | N/A              | Long | High                    | High            | 6.2                 | 2.8                 | Remove          | Yes                 |

| DATUM14.0        |        |  |        |  |        |        |        |        |        |        |        |
|------------------|--------|--|--------|--|--------|--------|--------|--------|--------|--------|--------|
| DESIGN SURFACE   | 14.991 |  | 15.130 |  | 14.981 | 15.081 | 15.081 | 15.080 | 15.130 | 15.145 | 15.595 |
| EXISTING SURFACE | 15.290 |  | 15.363 |  | 15.427 | 15.433 | 15.433 | 15.457 | 15.551 | 15.579 | 15.706 |
| OFFSET           | -4.650 |  | 0.000  |  | 4.650  | 5.026  | 5.026  | 6.000  | 8.000  | 8.600  | 13.100 |

| DATUM16.0        |                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------|
| DESIGN SURFACE   | 16.768<br>16.753<br>16.723<br>16.684<br>16.614<br>16.574                                                                         |
| EXISTING SURFACE | 16.779<br>16.776<br>16.769<br>16.758<br>16.753<br>16.726                                                                         |
| OFFSET           | -8.000<br>-8.000<br>-6.800<br>-5.250<br>-5.000<br>-4.550<br>0.000<br>4.650<br>5.000<br>5.275<br>6.800<br>8.000<br>8.800<br>9.100 |

[illegible]

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Sheet 11 of 31

Scale  
1:100 H 1:50 V @ A1

|             |          |            |     |
|-------------|----------|------------|-----|
| Project Ref | Stage No | Drawing No | Rev |
| 2301879     | 150-02   | 201        | C   |

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[illegible]

HORIZ. 1:100



VERT. 1:50



SCALE AT A1 SIZE

|           |            |
|-----------|------------|
| Designed  | S.FERGUSON |
| Date      | 11.04.2025 |
| Drawn     | S.FERGUSON |
| Checked   | A.TREEcker |
| Date      | XX.XX.XX   |
| Approved  | S.GRAY     |
| Reg. No.  | PEXXXXXX   |
| Date      | 11.04.25   |
| PS Number | -          |



**BW** Beveridge Williams  
Development & Infrastructure Consultants

Level 4, LPC House, Suite 4.05, 3 Fordham way  
Oran Park NSW 2570

|                 |                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------|
| Project Details | <p>WSU MILPERRA</p> <p>2 BULLECOURT AVE, MILPERRA</p> <p>CANTERBURY-BANKSTOWN COUNCIL</p> |
|-----------------|-------------------------------------------------------------------------------------------|

|               |                                                 |
|---------------|-------------------------------------------------|
| Drawing Title | CASE STUDY 2<br>TREE SECTIONS<br>(SHEET 2 OF 6) |
|---------------|-------------------------------------------------|

Q:\swy\jobs\23\2301879 - 2 Bullecourt Avenue Milperra\ Eng\150 - Tree Retention Options\2301879-150-02-200-RXS.dwg

LEGEND

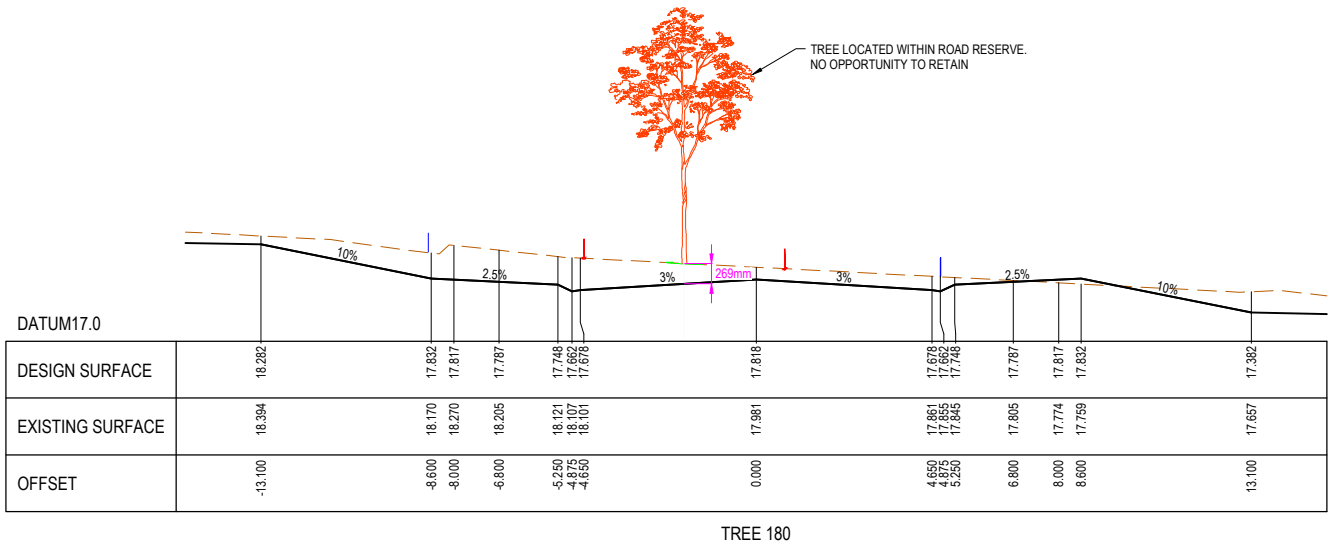
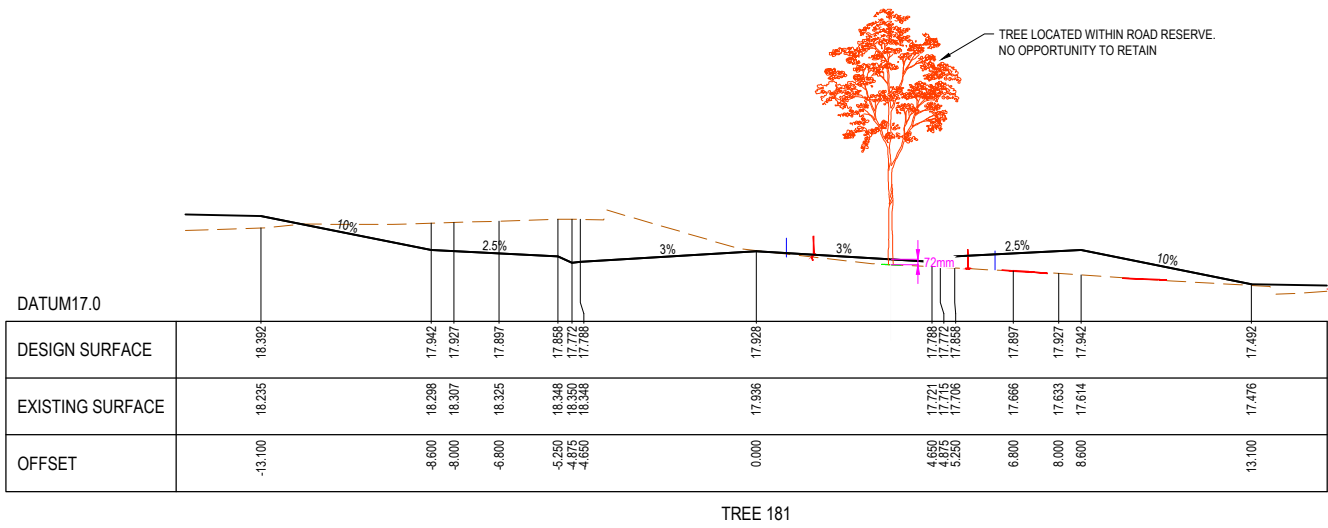
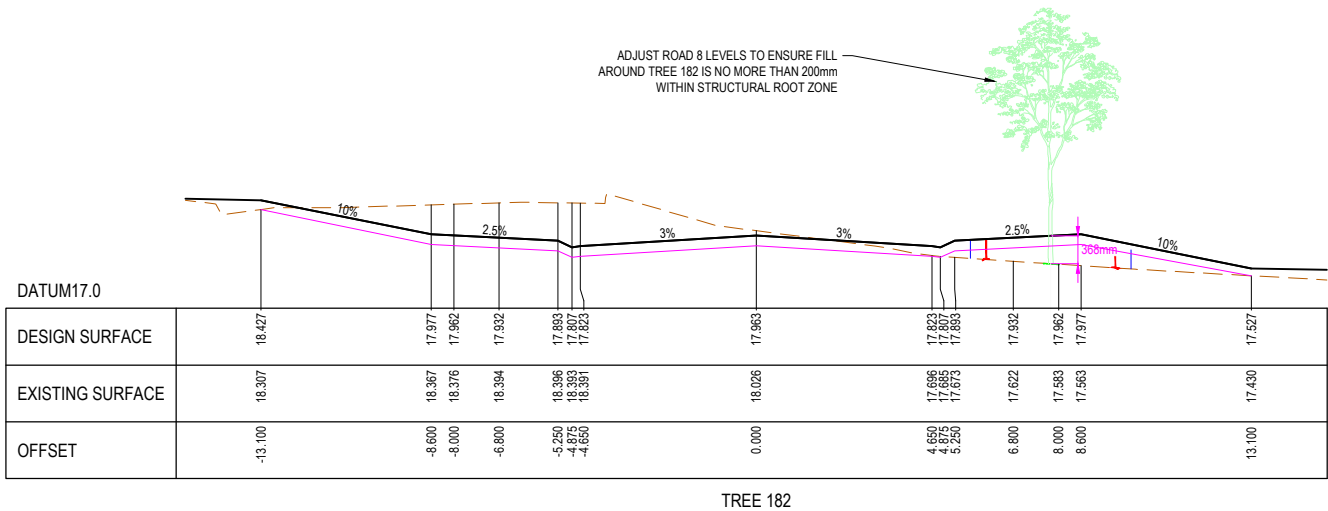
EXISTING SURFACE

DESIGN SURFACE

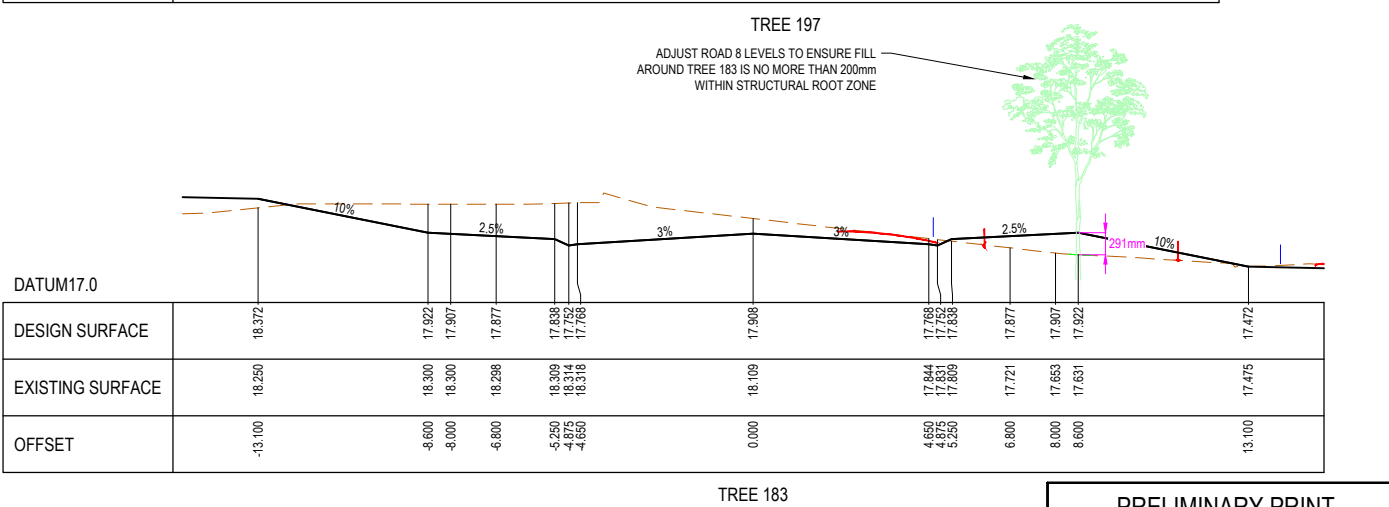
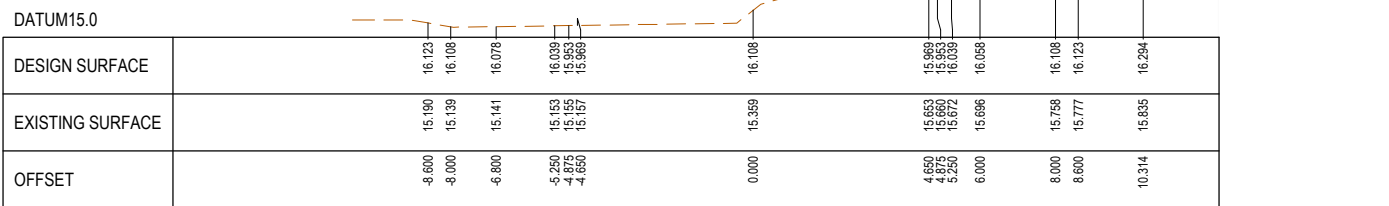
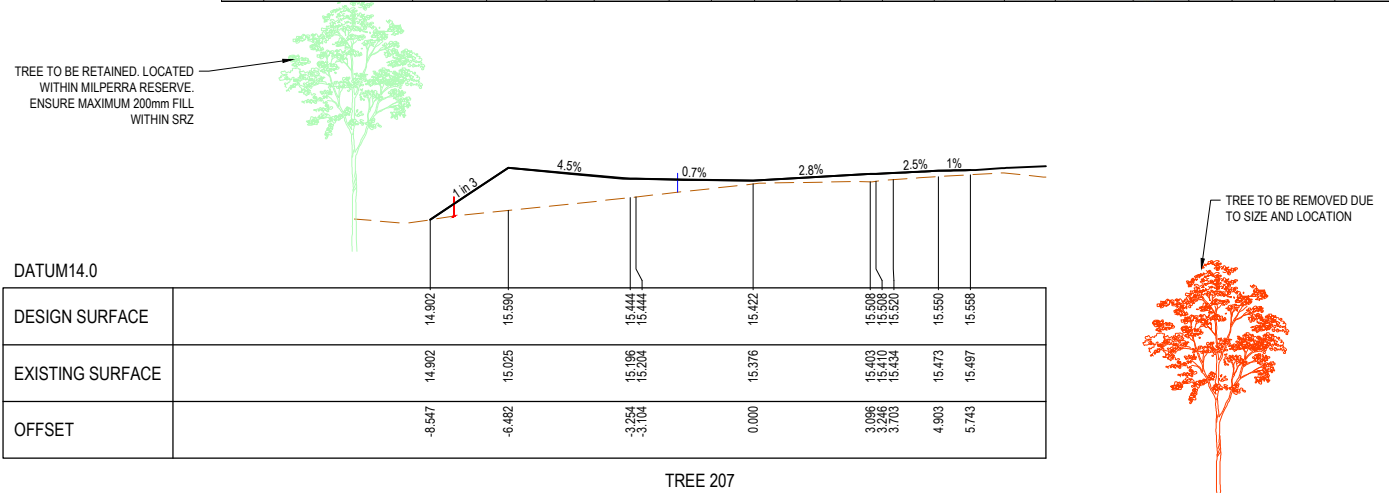
REVISED DESIGN SURFACE INCLUDING  
POTENTIAL ROAD VERTICAL ADJUSTMENT.  
SUBJECT TO DETAILED DESIGN.

SRZ EXTENTS

TPZ EXTENTS

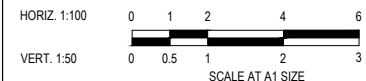


| Tree | Genus and Species            | Common Name                | Maturity | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | Resz (m) | Resz (m) | Remove / Retain | Protected under DCP |
|------|------------------------------|----------------------------|----------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|----------|----------|-----------------|---------------------|
| 180  | <i>Corymbia citriodora</i>   | Lemon-scented Gum          | Mature   | 1         | Stage 5              | 19         | 16        | 57       | 62       | Good   | Fair      | N/A              | Long   | High                   | High            | 6.8      | 2.7      | Remove          | Yes                 |
| 181  | <i>Corymbia citriodora</i>   | Lemon-scented Gum          | Mature   | 1         | Stage 5              | 20         | 12        | 23       | 35       | Good   | Good      | N/A              | Long   | High                   | High            | 2.8      | 2.1      | Remove          | Yes                 |
| 182  | <i>Corymbia citriodora</i>   | Lemon-scented Gum          | Mature   | 1         | Stage 6              | 17         | 5         | 18       | 23       | Good   | Fair      | N/A              | Medium | High                   | Moderate        | 2.2      | 1.8      | Remove          | Yes                 |
| 183  | <i>Eucalyptus crebra</i>     | Narrow-leaved Red Ironbark | Mature   | 1         | Stage 5              | 18         | 16        | 44       | 56       | Good   | Fair      | N/A              | Long   | High                   | High            | 5.3      | 2.6      | Remove          | Yes                 |
| 197  | <i>Corymbia citriodora</i>   | Lemon-scented Gum          | Mature   | 1         | Stage 6              | 22         | 15        | 59       | 73       | Good   | Fair      | N/A              | Long   | High                   | High            | 7.1      | 2.9      | Remove          | Yes                 |
| 207  | <i>Mebleuca linariifolia</i> | Snow in Summer             | Mature   | 1         | Outside              | 10         | 8         | 74       | 81       | Good   | Fair      | N/A              | Long   | High                   | High            | 8.9      | 3.0      | Retain          | Yes                 |



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|                                                                                                                                                                                                   |                         |          |      |      |     |             |      |      |      |
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| C                                                                                                                                                                                                 | ISSUED FOR COORDINATION | 16.05.25 | J.G. | S.G. |     |             |      |      |      |
| B                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |
| A                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 15.04.25 | J.G. | S.G. |     |             |      |      |      |
| REV                                                                                                                                                                                               | DESCRIPTION             | DATE     | DRN. | APP. | REV | DESCRIPTION | DATE | DRN. | APP. |



Designed  
Date

S.FERGUSON  
11.04.2025

Drawn  
Date

S.FERGUSON  
11.04.2025

Checked  
Date

A.TREESEKLER  
11.04.2025

Approved  
Reg. No.  
Date

S.GRAY  
PEXXXXXXX  
11.04.25

PS Number

-

BW

Beveridge Williams

Development & Infrastructure Consultants

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Oran Park NSW 2570

ph: 02 46255055  
www.beveridgewilliams.com.au

Project Details

WSU MILPERRA  
2 BULLECOURT AVE, MILPERRA  
CANTERBURY-BANKSTOWN COUNCIL

Drawing Title

CASE STUDY 2  
TREE SECTIONS  
(SHEET 3 OF 6)

Sheet 12 of 31

Scale 1:100 H 1:50 V @ A1

Project Ref

2301879

Stage No

150-02

Drawing No

202

Rev

C

LEGEND

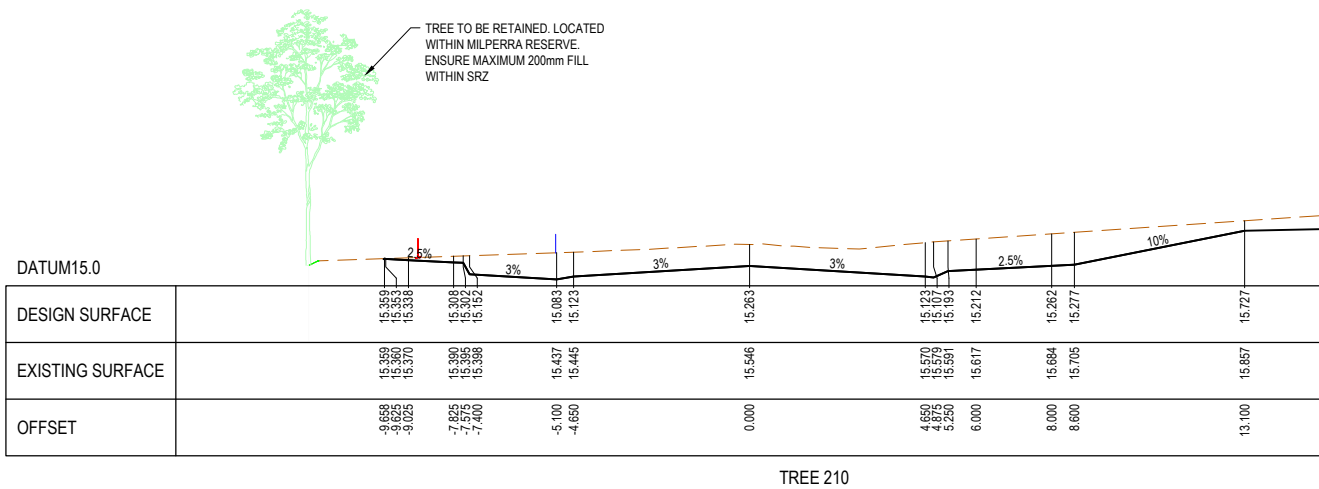
EXISTING SURFACE

DESIGN SURFACE

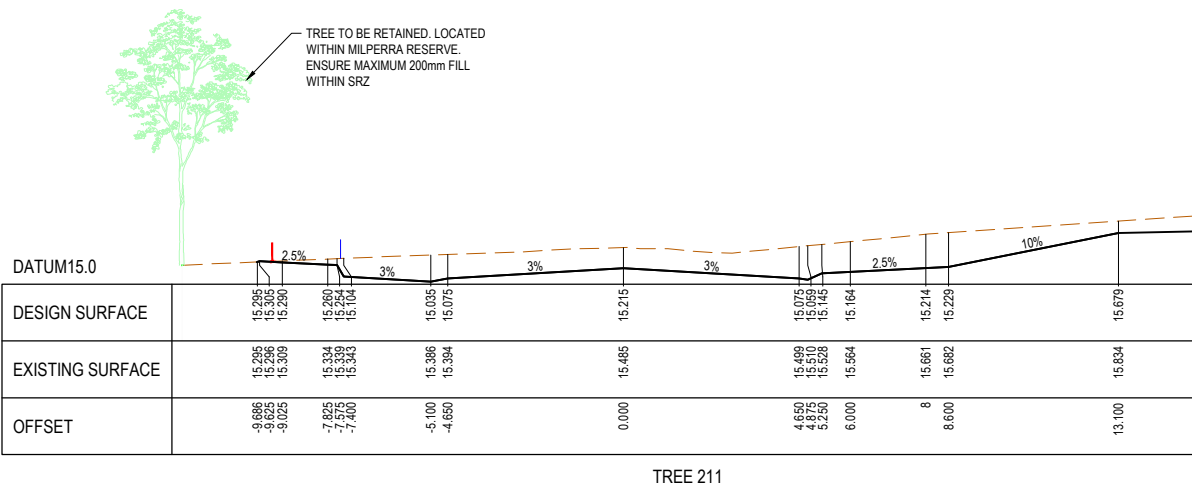
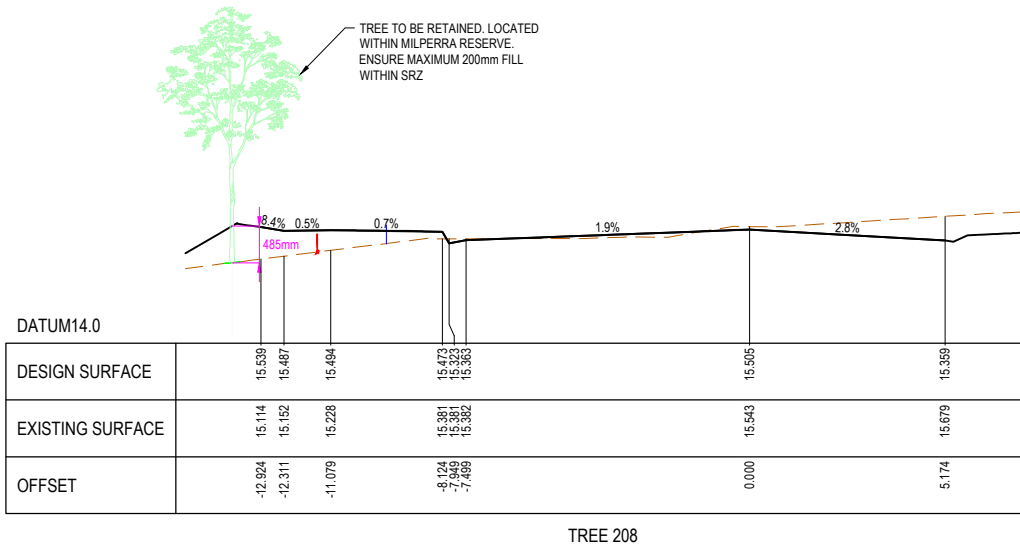
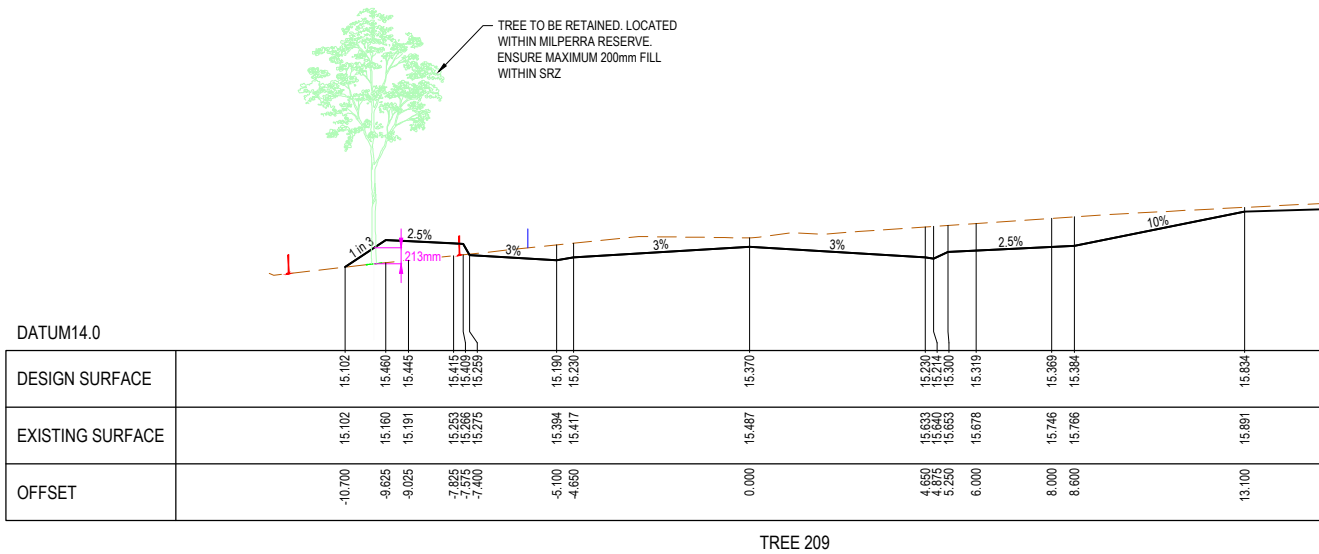
REVISED DESIGN SURFACE INCLUDING  
POTENTIAL ROAD VERTICAL ADJUSTMENT.  
SUBJECT TO DETAILED DESIGN.

SRZ EXTENTS

TPZ EXTENTS



| Tree | Genus and Species    | Common Name                | Maturity | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | Rsz (m) | Rsz (m) | Remove / Retain | Protected under DCP |
|------|----------------------|----------------------------|----------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|---------|---------|-----------------|---------------------|
| 208  | Angophora floribunda | Rough Barked Apple         | Mature   | 1         | Stage 6              | 12         | 9         | 34       | 43       | Good   | Fair      | N/A              | Long   | High                   | High            | 4.1     | 2.3     | Retain          | Yes                 |
| 209  | Angophora floribunda | Rough Barked Apple         | Mature   | 1         | Stage 6              | 13         | 10        | 34       | 43       | Fair   | Fair      | N/A              | Medium | High                   | Moderate        | 4.1     | 2.3     | Retain          | Yes                 |
| 210  | Eucalyptus crebra    | Narrow-leaved Red Ironbark | Mature   | 1         | Stage 6              | 20         | 15        | 54       | 62       | Good   | Good      | N/A              | Long   | High                   | High            | 6.5     | 2.7     | Retain          | Yes                 |
| 211  | Eucalyptus crebra    | Narrow-leaved Red Ironbark | Mature   | 1         | Stage 6              | 14         | 8         | 46       | 59       | Good   | Fair      | N/A              | Long   | High                   | High            | 5.5     | 2.7     | Retain          | Yes                 |



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Sheet 13 of 31

Scale 1:100 H 1:50 V @ A1

Project Ref 2301879 Stage No 150-02 Drawing No 203 Rev C

|                                                                                                                                                                                                   |                         |          |      |      |     |             |      |      |      |
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| C                                                                                                                                                                                                 | ISSUED FOR COORDINATION | 16.05.25 | J.G  | S.G  |     |             |      |      |      |
| B                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 30.04.25 | J.G  | S.G  |     |             |      |      |      |
| A                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 15.04.25 | J.G  | S.G  |     |             |      |      |      |
| REV                                                                                                                                                                                               | DESCRIPTION             | DATE     | DRN. | APP. | REV | DESCRIPTION | DATE | DRN. | APP. |

HORIZ. 1:100  
VERT. 1:50

0 1 2 4 6  
0 0.5 1 2 3  
SCALE AT A1 SIZE

Designed S.FERGUSON  
Date 11.04.2025  
Drawn S.FERGUSON  
Checked A.TREEEscher  
Date  
Approved S.GRAY  
Reg. No. PEXXXXXXX  
Date 11.04.25  
PS Number

BW

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Development & Infrastructure Consultants

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Project Details

WSU MILPERRA  
2 BULLECOURT AVE, MILPERRA  
CANTERBURY-BANKSTOWN COUNCIL

Drawing Title

CASE STUDY 2  
TREE SECTIONS  
(SHEET 4 OF 6)

Sheet 13 of 31

Scale 1:100 H 1:50 V @ A1

Project Ref 2301879 Stage No 150-02 Drawing No 203 Rev C

LEGEND

EXISTING SURFACE

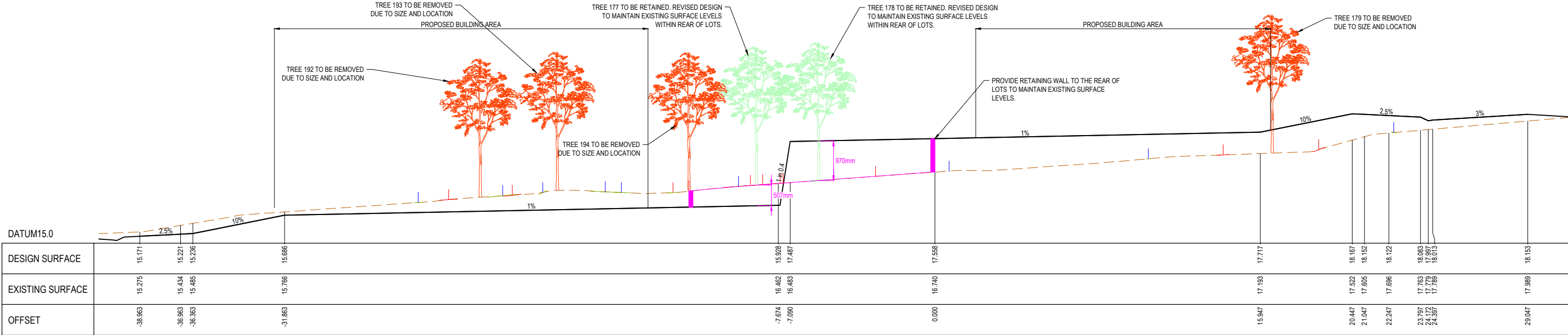
DESIGN SURFACE

REVISED DESIGN SURFACE INCLUDING  
POTENTIAL ROAD VERTICAL ADJUSTMENT.  
SUBJECT TO DETAILED DESIGN.

SRZ EXTENTS

TPZ EXTENTS

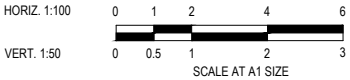
| Tree | Genus and Species   | Common Name       | Maturity | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DIF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | R <sub>SRZ</sub> (m) | R <sub>TPZ</sub> (m) | Remove/Retain | Protected under DCP |
|------|---------------------|-------------------|----------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|----------------------|----------------------|---------------|---------------------|
| 176  | Corymbia citriodora | Lemon-scented Gum | Mature   | 1         | Stage 6              | 16         | 8         | 38       | 55       | Fair   | Poor      | N/A              | Medium | High                   | Moderate        | 4.6                  | 2.6                  | Remove        | Yes                 |
| 177  | Corymbia citriodora | Lemon-scented Gum | Mature   | 1         | Stage 6              | 17         | 12        | 39       | 50       | Good   | Fair      | N/A              | Long   | High                   | High            | 4.7                  | 2.5                  | Remove        | Yes                 |
| 178  | Eucalyptus saligna  | Sydney Blue Gum   | Mature   | 1         | Stage 6              | 23         | 14        | 53       | 65       | Good   | Fair      | Hollow           | Long   | High                   | High            | 6.4                  | 2.8                  | Remove        | Yes                 |
| 179  | Corymbia maculata   | Spotted Gum       | Mature   | 1         | Stage 6              | 23         | 12        | 52       | 67       | Good   | Good      | N/A              | Long   | High                   | High            | 6.2                  | 2.8                  | Remove        | Yes                 |
| 192  | Corymbia citriodora | Lemon-scented Gum | Mature   | 1         | Stage 6              | 17         | 8         | 28       | 39       | Good   | Fair      | N/A              | Long   | High                   | High            | 3.4                  | 2.2                  | Remove        | Yes                 |
| 193  | Corymbia citriodora | Lemon-scented Gum | Mature   | 1         | Stage 6              | 20         | 14        | 52       | 62       | Good   | Good      | N/A              | Long   | High                   | High            | 6.2                  | 2.7                  | Remove        | Yes                 |
| 194  | Corymbia citriodora | Lemon-scented Gum | Mature   | 1         | Stage 6              | 18         | 10        | 32       | 37       | Good   | Good      | N/A              | Long   | High                   | High            | 3.8                  | 2.2                  | Remove        | Yes                 |



SECTION A  
TREE 192, 193, 194, 177, 178 & TREE 179

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|                                                                                                                                                                                                   |                         |          |      |      |     |             |      |      |      |
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| C                                                                                                                                                                                                 | ISSUED FOR COORDINATION | 16.05.25 | J.G. | S.G. |     |             |      |      |      |
| B                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |
| A                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 15.04.25 | J.G. | S.G. |     |             |      |      |      |



|           |              |
|-----------|--------------|
| Designed  | S.FERGUSON   |
| Date      | 11.04.2025   |
| Drawn     | S.FERGUSON   |
| Checked   | A.TREESECKER |
| Date      | XX.XX.XX     |
| Approved  | S.GRAY       |
| Reg. No.  | PEXXXXXXX    |
| Date      | 11.04.25     |
| PS Number | -            |

BW

Beveridge Williams

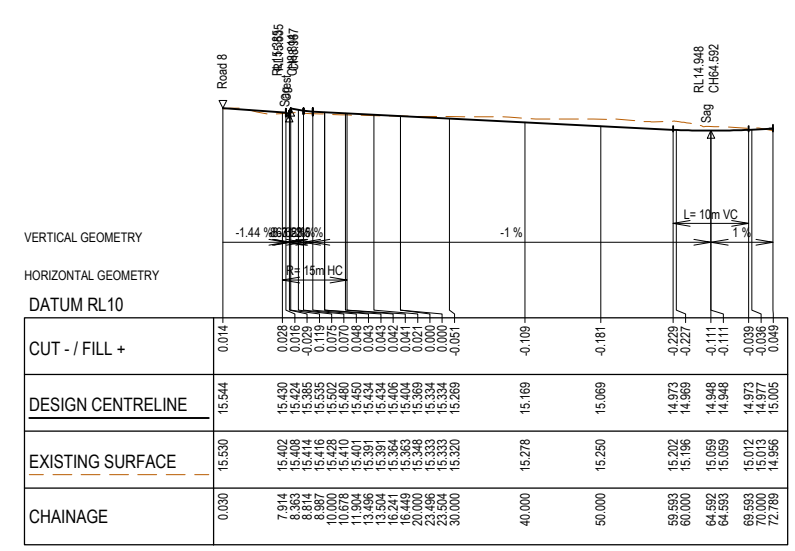
Development & Infrastructure Consultants

Level 4, LPC House, Suite 4.05, 3 Fordham way  
Oran Park NSW 2570

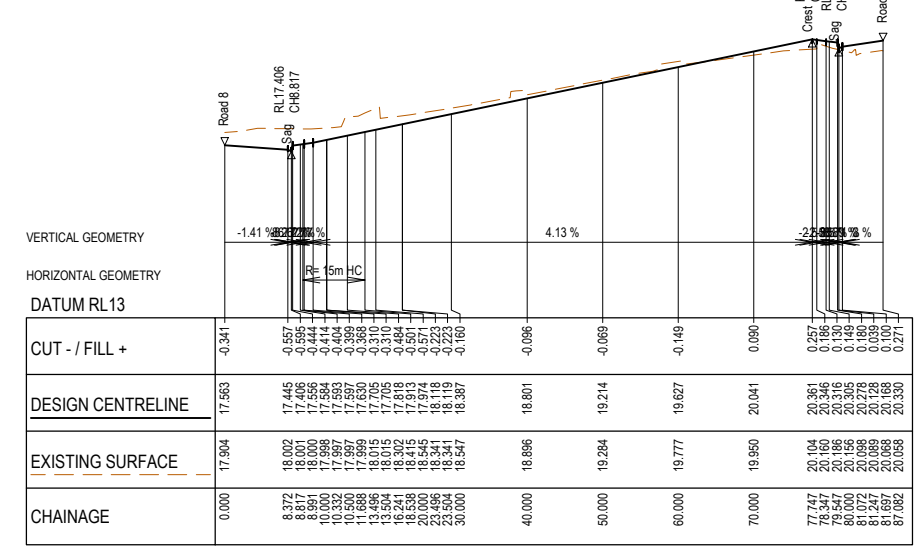
ph: 02 46255055  
www.beveridgewilliams.com.au

|                 |                                                                            |
|-----------------|----------------------------------------------------------------------------|
| Project Details | WSU MILPERRA<br>2 BULLECOURT AVE, MILPERRA<br>CANTERBURY-BANKSTOWN COUNCIL |
| Drawing Title   | CASE STUDY 2<br>TREE SECTIONS<br>(SHEET 5 OF 6)                            |

|             |                     |
|-------------|---------------------|
| Sheet       | 14 of 31            |
| Scale       | 1:100 H 1:50 V @ A1 |
| Project Ref | 2301879             |
| Stage No    | 150-02              |
| Drawing No  | 204                 |
| Rev         | C                   |



Lane 4 LONGITUDINAL SECTION  
Scales: HORZ 1 : 500  
VERT 1 : 100



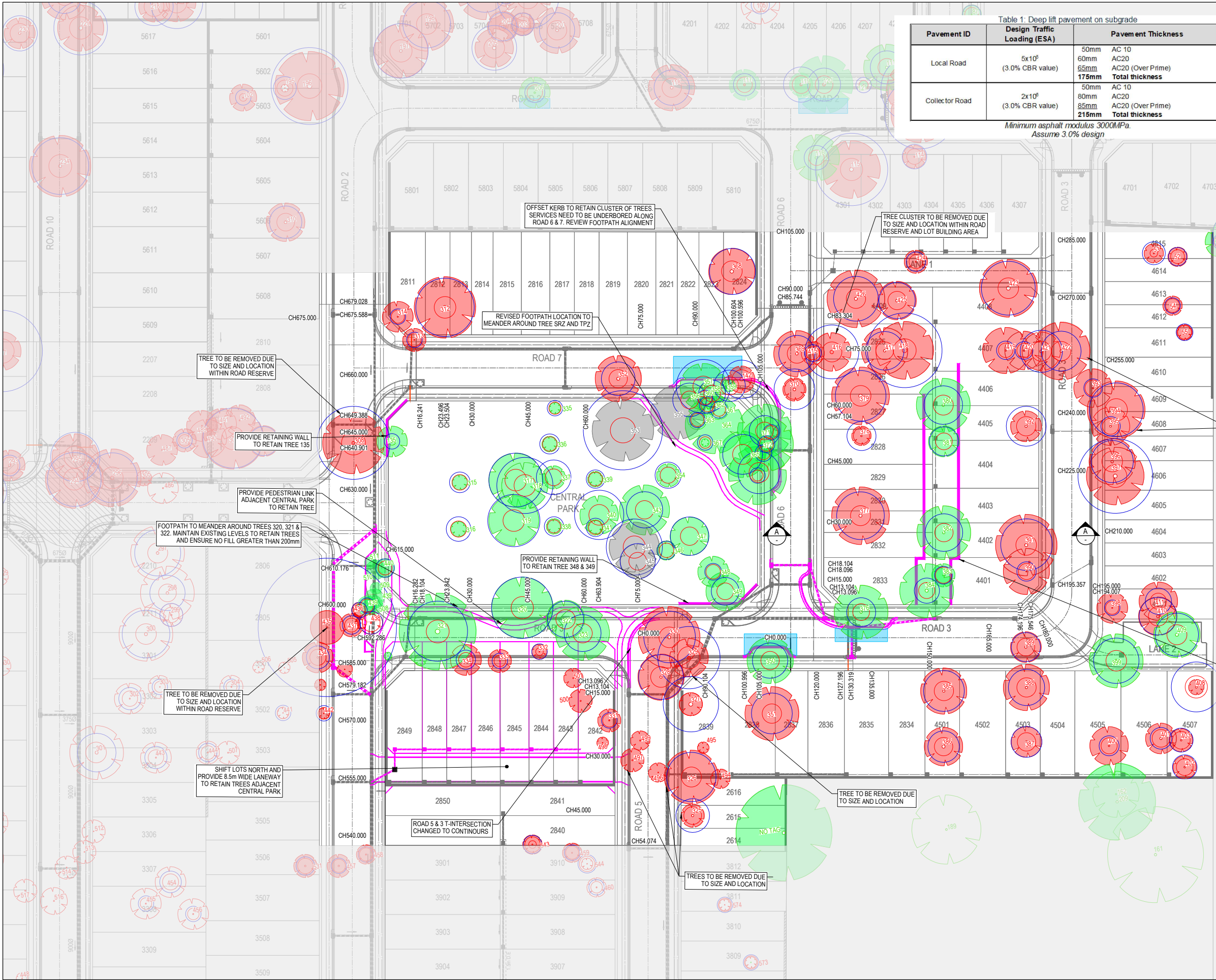


Table 1: Deep lift pavement on subgrade

| Pavement ID    | Design Traffic Loading (ESA)          | Pavement Thickness                                                         |
|----------------|---------------------------------------|----------------------------------------------------------------------------|
| Local Road     | 5x10 <sup>6</sup><br>(3.0% CBR value) | 50mm AC 10<br>60mm AC20<br>175mm Total thickness                           |
| Collector Road | 2x10 <sup>6</sup><br>(3.0% CBR value) | 50mm AC 10<br>80mm AC20<br>85mm AC20 (Over Prime)<br>215mm Total thickness |

Minimum asphalt modulus 3000MPa.  
Assume 3.0% design

NOTES  
1. FEASIBILITY IS DEPENDENT ON DEPTH OF CUT & FILL

**LEGEND**

- TREE TO BE POTENTIALLY RETAINED. SUBJECT TO DETAILED DESIGN
- TREE TO BE REMOVED
- TREE REMOVED DUE TO STORM DAMAGE AS PER LATEST ARBORIST REPORT
- STRUCTURAL ROOT ZONE EXTENT
- TREE PROTECTION ZONE EXTENT
- EXISTING KERB & GUTTER ROAD DESIGN
- PROPOSED KERB & GUTTER ROAD AMENDMENTS TO ALLOW TREE RETENTION
- DEEP LIFT ASPHALT PAVEMENT TO SUPPORT TREE RETENTION
- EXISTING STORMWATER LAYOUT
- PROPOSED STORMWATER LAYOUT FOR TREE RETENTION

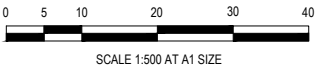
**TREE REMOVAL SUMMARY**

|                     | ORIGINAL DESIGN | REVISED DESIGN |
|---------------------|-----------------|----------------|
| TREE TO BE RETAINED | 0               | ~55            |
| TREE TO BE REMOVED  | ~135            | ~80            |

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|-----|-------------------------|----------|-----|-----|-----|-------------|------|-----|-----|
| C   | ISSUED FOR COORDINATION | 16.05.25 | J.G | S.G |     |             |      |     |     |
| A   | ISSUED FOR INFORMATION  | 30.04.25 | J.G | S.G |     |             |      |     |     |



Designed Date  
S.FERGUSON  
11.04.2025  
Drawn  
S.FERGUSON  
Approved Date  
S.GRAY  
11.04.25  
PS Number

**BW** Beveridge Williams  
Level 4, LPC House, Suite 4.05, 3 Fordham way  
Oran Park NSW 2570  
ph: 02 46255055  
www.beveridgewilliams.com.au

Project Details  
WSU MILPERRA  
2 BULLECOURT AVE, MILPERRA  
CANTERBURY-BANKSTOWN COUNCIL  
Drawing Title  
CASE STUDY 4  
LAYOUT

Sheet 20 of 31

Scale  
1:500 @ A1

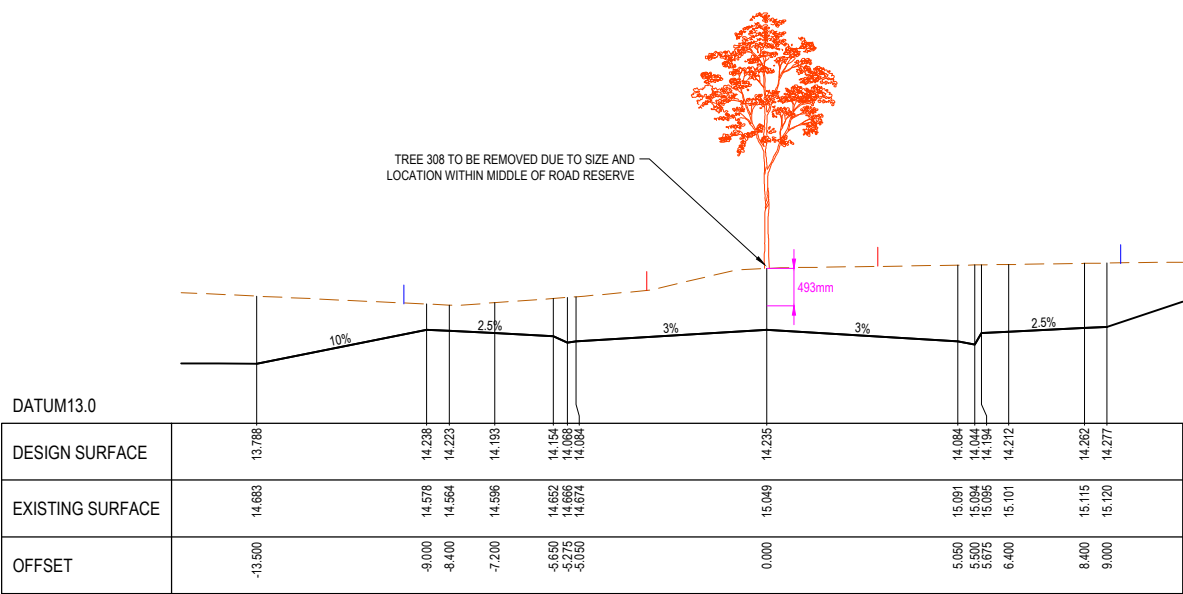
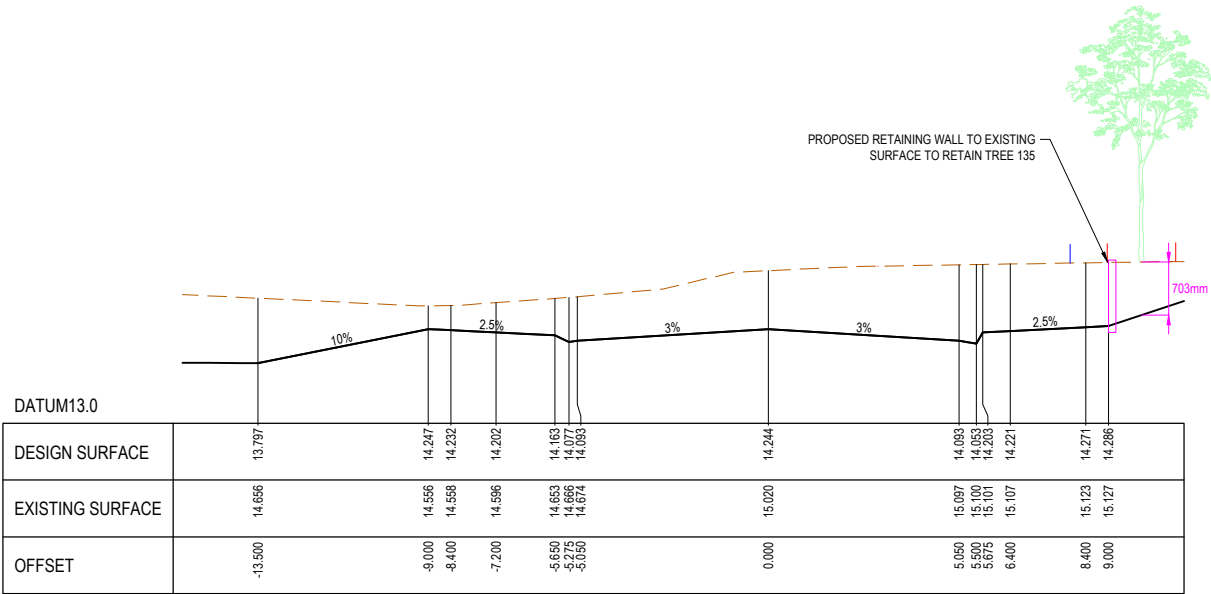
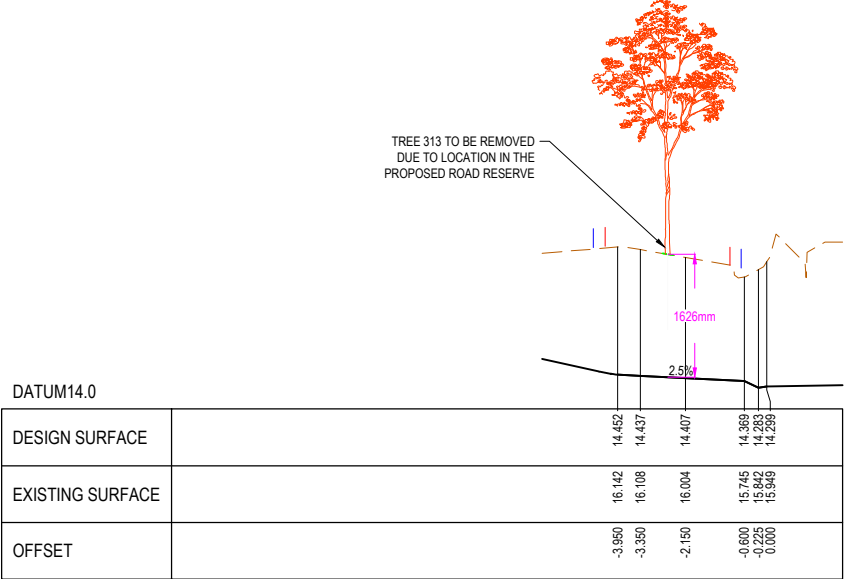
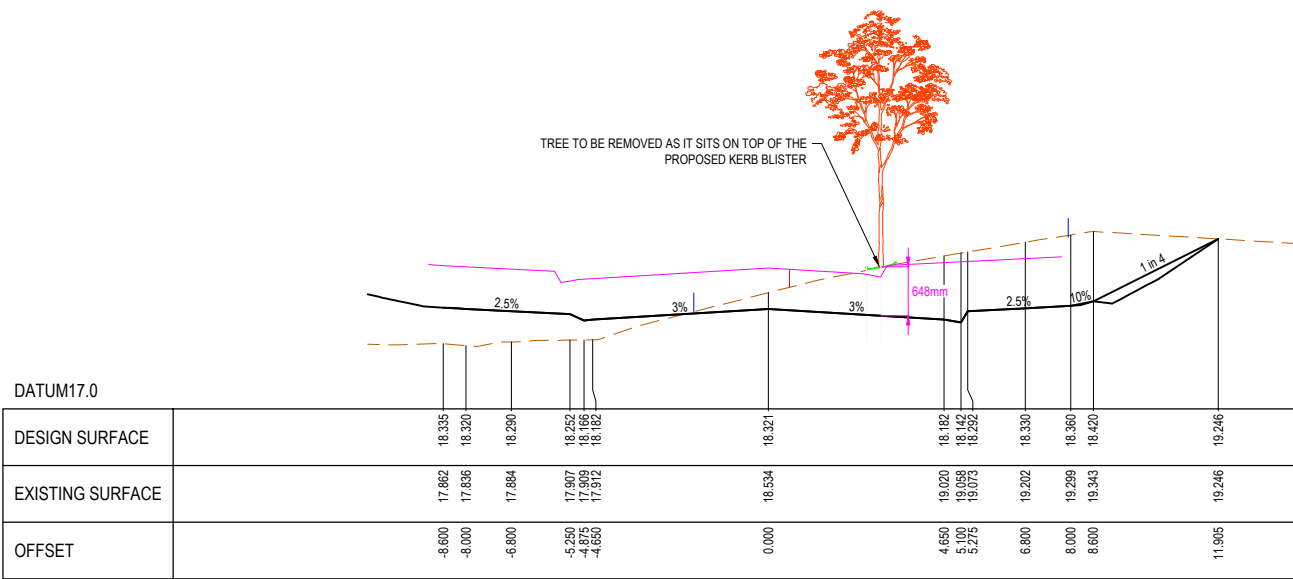
| Project Ref | Stage No | Drawing No | Rev |
|-------------|----------|------------|-----|
| 2301879     | 150      | 013        | C   |



LEGEND

EXISTING SURFACE  
DESIGN SURFACE  
SRZ EXTENTS  
TPZ EXTENTS

| Tree | Genus and Species            | Common Name  | Maturity | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | R <sub>sz</sub> (m) | R <sub>tpz</sub> (m) | Remove / Retain | Protected under DCP |
|------|------------------------------|--------------|----------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|---------------------|----------------------|-----------------|---------------------|
| 135  | <i>Eucalyptus microcarpa</i> | Tallow Wood  | Mature   | 1         | Stage 6              | 18         | 10        | 41       | 49       | Good   | Fair      | N/A              | Long   | High                   | High            | 4.9                 | 2.5                  | Retain          | Yes                 |
| 142  | <i>Eucalyptus microcarpa</i> | Tallow Wood  | Mature   | 1         | Stage 6              | 17         | 10        | 42       | 53       | Good   | Fair      | N/A              | Long   | High                   | High            | 5.0                 | 2.5                  | Retain          | Yes                 |
| 308  | <i>Acer negundo</i>          | Box Elder    | Mature   | 1         | Stage 3              | 13         | 10        | 79       | 84       | Fair   | Fair      | N/A              | Short  | Low                    | Low             | 9.5                 | 3.1                  | Remove          | Yes                 |
| 313  | <i>Pyrus calleryana</i>      | Callery Pear | Mature   | 1         | Stage 3              | 8          | 6         | 15       | 20       | Good   | Fair      | N/A              | Medium | Low                    | Low             | 2.0                 | 1.7                  | Remove          | Yes                 |

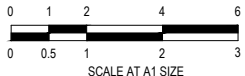


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| A   | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |

HORIZ. 1:100  
VERT. 1:50



Designed S.FERGUSON  
Date 11.04.2025  
Drawn S.FERGUSON  
Checked A.TREESEKLER  
Date 11.04.25  
Approved S.GRAY  
Reg. No. PEXXXXXXXX  
Date 11.04.25  
PS Number -

**BW** Beveridge Williams  
Development & Infrastructure Consultants  
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Project Details  
WSU MILPERRA  
2 BULLECOURT AVE, MILPERRA  
CANTERBURY-BANKSTOWN COUNCIL  
Drawing Title  
CASE STUDY 4  
TREE SECTIONS  
(SHEET 1 OF 11)

Sheet 21 of 31

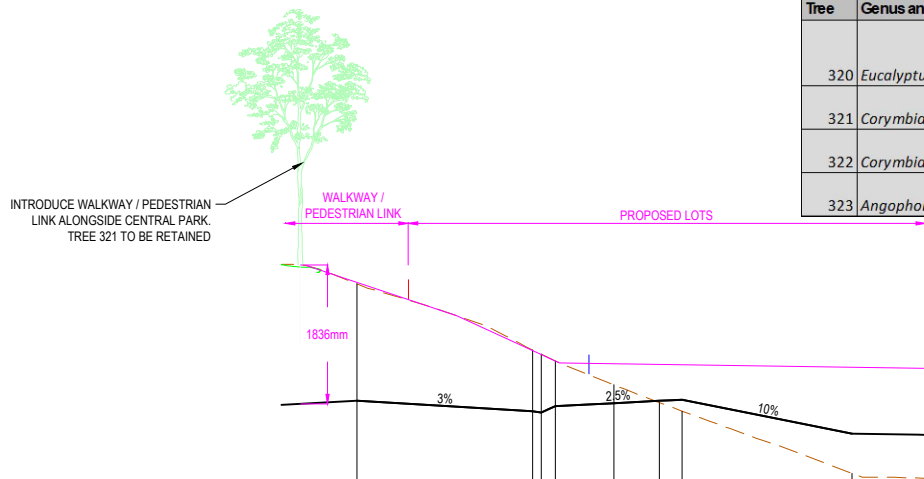
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Project Ref 2301879  
Stage No 150-04  
Drawing No 200  
Rev C

# LEGEND

 EXISTING SURFACE  
 DESIGN SURFACE  
 SRZ EXTENTS  
 TPZ EXTENTS

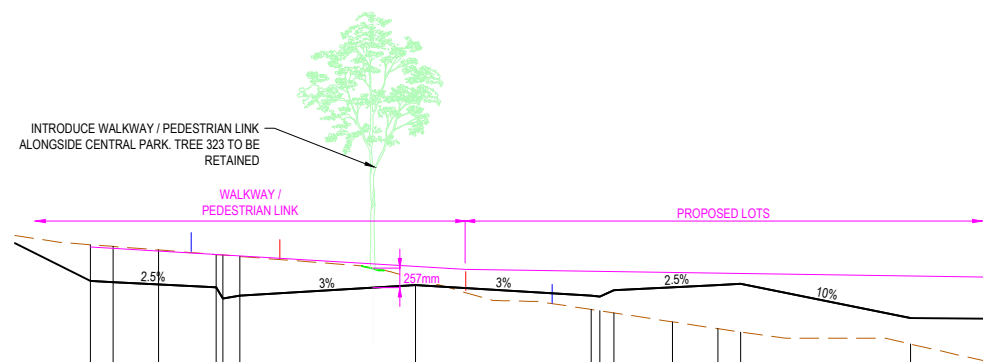
| Tree | Genus and Species           | Common Name        | Maturity | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE  | Landscape Significance | Retention Value | R <sub>TPZ</sub> (m) | R <sub>SRZ</sub> (m) | Remove / Retain | Protected under DCP | Comments                                                                        |
|------|-----------------------------|--------------------|----------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|------|------------------------|-----------------|----------------------|----------------------|-----------------|---------------------|---------------------------------------------------------------------------------|
| 320  | <i>Eucalyptus saligna</i>   | Sydney Blue Gum    | Mature   | 1         | Stage 4              | 18         | 15        | 67       | 75       | Good   | Good      | N/A              | Long | High                   | High            | 8.0                  | 2.9                  | Remove          | Yes                 | Large tree of indigenous species significance observed to be in good condition. |
| 321  | <i>Corymbia maculata</i>    | Spotted Gum        | Mature   | 1         | Stage 4              | 17         | 16        | 65       | 81       | Fair   | Good      | N/A              | Long | High                   | High            | 7.8                  | 3.0                  | Remove          | Yes                 | Canopy with chlorosis and signs of minor dieback.                               |
| 322  | <i>Corymbia maculata</i>    | Spotted Gum        | Mature   | 1         | Stage 4              | 16         | 12        | 39       | 51       | Fair   | Good      | N/A              | Long | High                   | High            | 4.7                  | 2.5                  | Remove          | Yes                 | Canopy with chlorosis and signs of minor dieback.                               |
| 323  | <i>Angophora floribunda</i> | Rough Barked Apple | Mature   | 1         | Stage 4              | 15         | 11        | 40       | 53       | Good   | Fair      | N/A              | Long | High                   | High            | 4.8                  | 2.5                  | Remove          | Yes                 | Partially suppressed                                                            |



DATUM11.0

| DESIGN SURFACE   | 13.012 | 12.872 | 12.857 | 12.843 | 12.981 | 13.011 | 13.026 | 12.576 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| EXISTING SURFACE | 14.558 | 13.683 | 13.629 | 13.540 | 13.223 | 12.987 | 12.875 | 12.051 |
| OFFSET           | 0.000  | 4.650  | 4.875  | 5.250  | 6.800  | 8.000  | 8.600  | 13.100 |

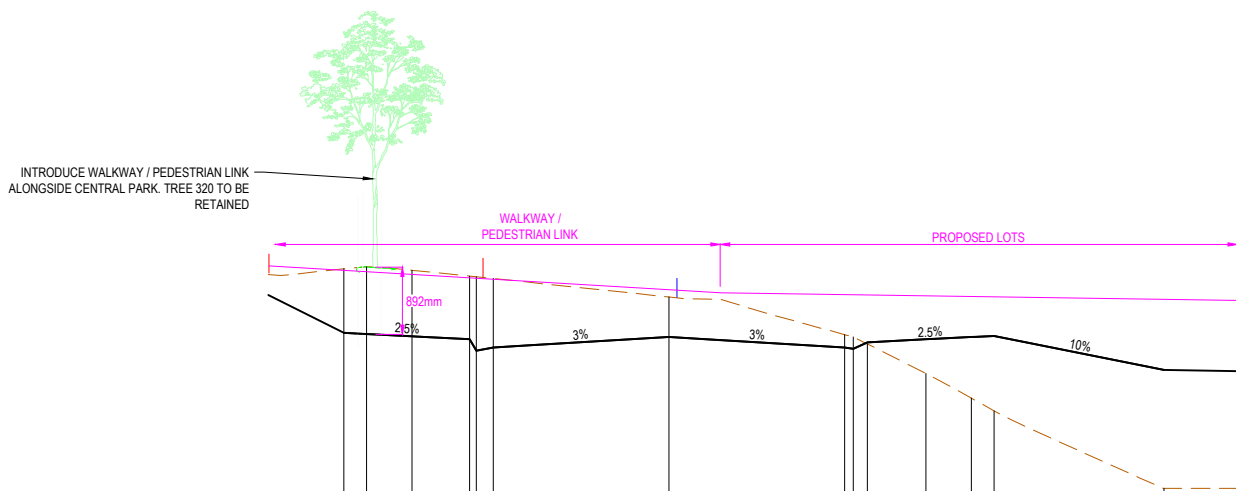
TREE 321



DATUM13.0

| DESIGN SURFACE   | 14.758 | 14.743 | 14.713 | 14.675 | 14.565 | 14.704 | 14.595 | 14.549 | 14.674 | 14.704 | 14.719 | 14.289 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| EXISTING SURFACE | 15.238 | 15.214 | 15.167 | 15.107 | 15.100 | 14.790 | 14.380 | 14.363 | 14.218 | 14.127 | 14.083 | 13.924 |
| OFFSET           | -8.600 | -8.000 | -6.800 | -5.275 | -5.100 | 0.000  | 4.650  | 4.875  | 6.800  | 8.000  | 8.600  | 13.100 |

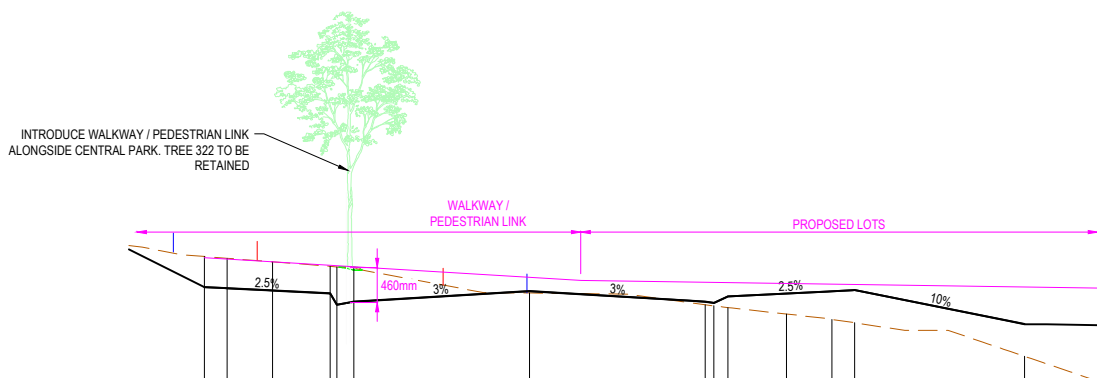
TREE 323



DATUM11.0

| DESIGN SURFACE   | 14.056 | 14.041 | 14.011 | 13.973 | 13.863 | 14.002 | 13.863 | 13.847 | 13.971 | 14.001 | 14.016 | 13.566 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| EXISTING SURFACE | 14.904 | 14.928 | 14.885 | 14.808 | 14.799 | 14.531 | 14.023 | 14.002 | 13.519 | 13.193 | 13.026 | 12.000 |
| OFFSET           | -8.600 | -8.000 | -6.800 | -5.275 | -5.100 | 0.000  | 4.650  | 4.875  | 6.800  | 8.000  | 8.600  | 13.100 |

TREE 320



DATUM13.0

| DESIGN SURFACE   | 14.573 | 14.558 | 14.528 | 14.490 | 14.340 | 14.519 | 14.380 | 14.364 | 14.489 | 14.519 | 14.534 | 14.084 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| EXISTING SURFACE | 14.977 | 14.954 | 14.907 | 14.847 | 14.840 | 14.494 | 14.340 | 14.302 | 14.216 | 14.146 | 14.101 | 13.657 |
| OFFSET           | -8.600 | -8.000 | -6.800 | -5.275 | -5.100 | 0.000  | 4.650  | 4.875  | 6.800  | 8.000  | 8.600  | 13.100 |

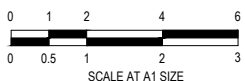
TREE 322

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|-----|-------------------------|----------|------|------|-----|-------------|------|------|------|
| C   | ISSUED FOR COORDINATION | 16.05.25 | J.G. | S.G. |     |             |      |      |      |
| A   | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |

HORIZ. 1:100

VERT. 1:50



|           |              |
|-----------|--------------|
| Designed  | S.FERGUSON   |
| Date      | 11.04.2025   |
| Drawn     | S.FERGUSON   |
| Checked   | A.TREESEKLER |
| Date      | 11.04.2025   |
| Approved  | S.GRAY       |
| Reg. No.  | PEX0000000   |
| Date      | 11.04.25     |
| PS Number | -            |


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|                 |                                                                            |
|-----------------|----------------------------------------------------------------------------|
| Project Details | WSU MILPERRA<br>2 BULLECOURT AVE, MILPERRA<br>CANTERBURY-BANKSTOWN COUNCIL |
| Drawing Title   | CASE STUDY 4<br>TREE SECTIONS<br>(SHEET 2 OF 11)                           |

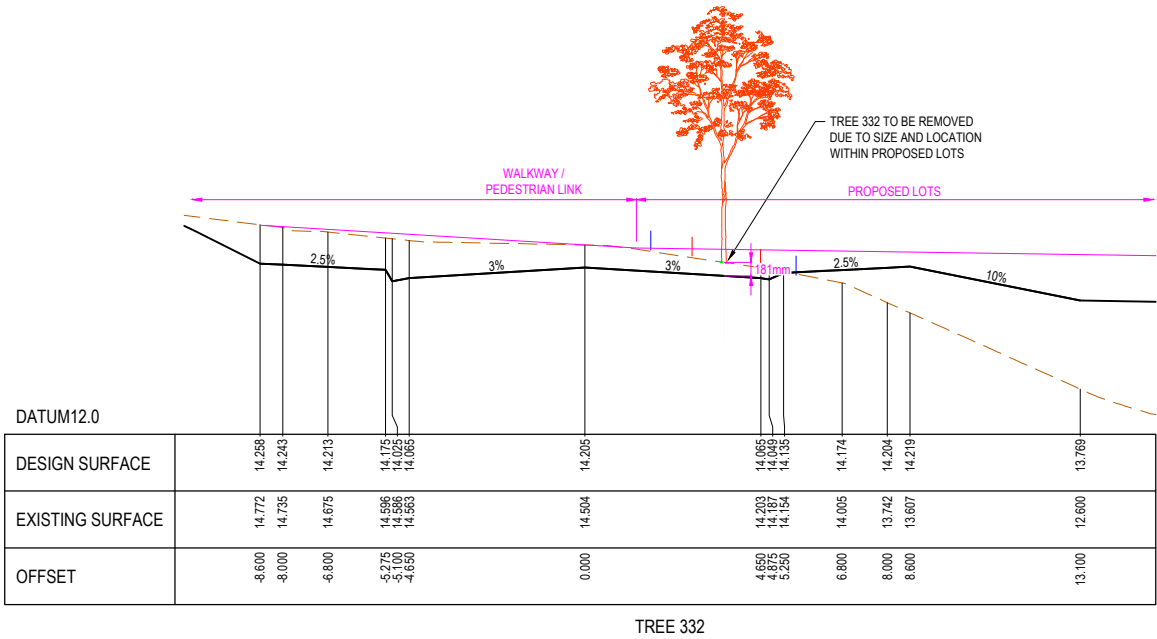
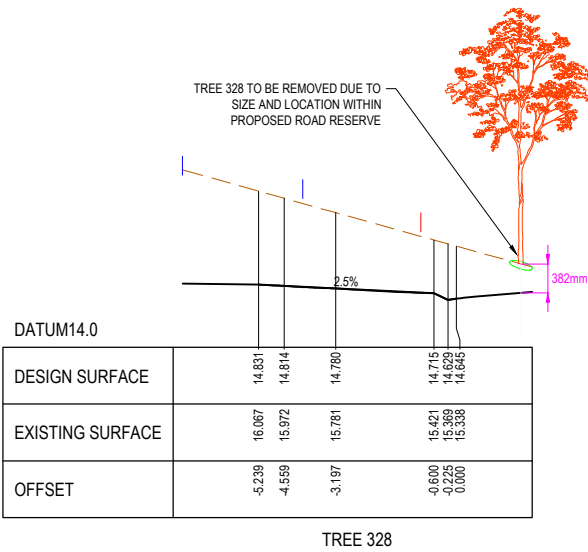
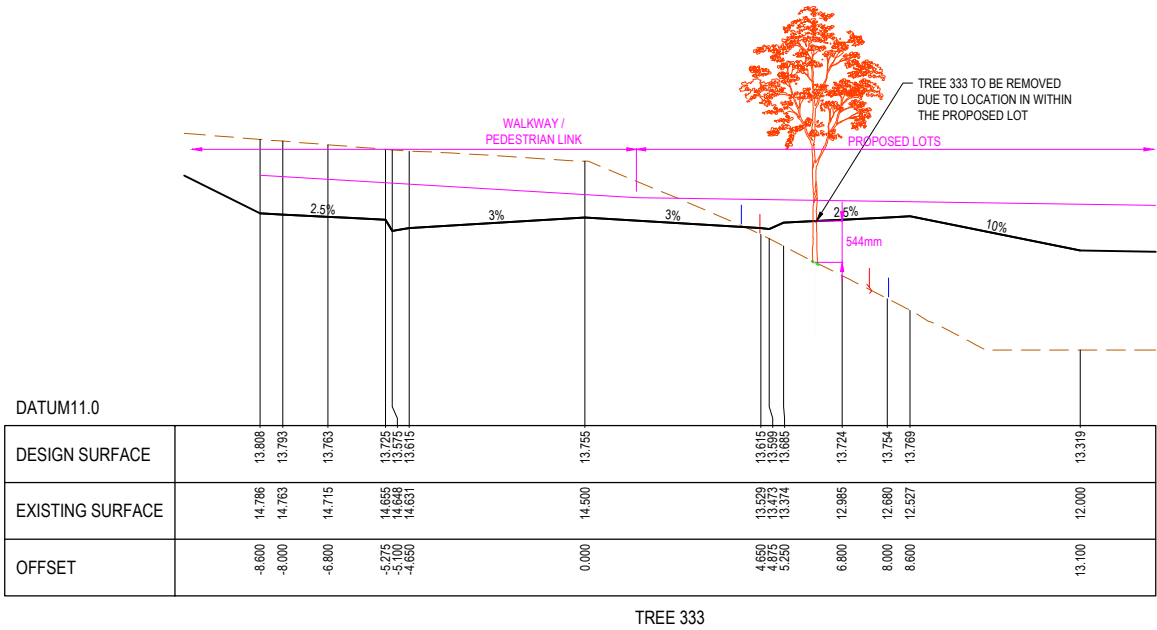
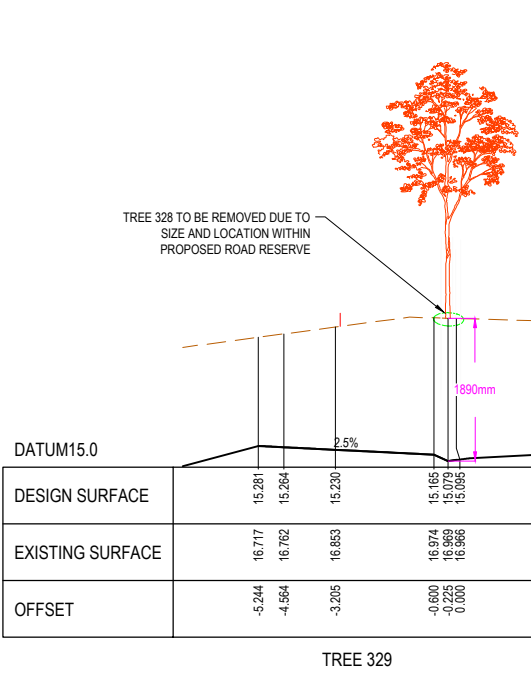
Sheet 22 of 31

Scale  
1:100 H 1:50 V @ A1

| Project Ref | Stage No | Drawing No | Rev |
|-------------|----------|------------|-----|
| 2301879     | 150-04   | 201        | C   |

| Tree | Genus and Species              | Common Name         | Maturity    | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | R <sub>TPZ</sub> (m) | R <sub>SRZ</sub> (m) | Remove / Retain | Protected under DCP | Comments                                                                                                             |
|------|--------------------------------|---------------------|-------------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|----------------------|----------------------|-----------------|---------------------|----------------------------------------------------------------------------------------------------------------------|
| 328  | <i>Corymbia citriodora</i>     | Lemon-scented Gum   | Mature      | 1         | Stage 4              | 16         | 10        | 48       | 59       | Fair   | Good      | N/A              | Long   | High                   | High            | 5.8                  | 2.7                  | Remove          | Yes                 | Partially suppressed. Canopy with minor signs of dieback.                                                            |
| 329  | <i>Eucalyptus tereticornis</i> | Forest Red Gum      | Mature      | 1         | Stage 4              | 16         | 10        | 67       | 76       | Fair   | Fair      | N/A              | Long   | High                   | High            | 8.1                  | 2.9                  | Remove          | Yes                 | Partially suppressed. Stem bifurcates at 1.2 metres. No signs of union weakness. Canopy with minor signs of dieback. |
| 332  | <i>Triadica sebifera</i>       | Chinese Tallow Tree | Semi mature | 1         | Stage 4              | 4          | 4         | 15       | 20       | Good   | Fair      | N/A              | Medium | Low                    | Low             | 2.0                  | 1.7                  | Remove          | No                  | Suppressed by larger adjacent tree.                                                                                  |
| 333  | <i>Pyrus calleryana</i>        | Callery Pear        | Semi mature | 1         | Stage 4              | 6          | 4         | 13       | 16       | Dead   | Poor      | N/A              | Dead   | Low                    | Very Low        | 2.0                  | 1.5                  | Remove          | No                  | Dead tree.                                                                                                           |

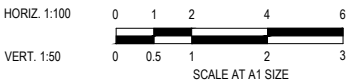
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|        | EXISTING SURFACE |
|        | DESIGN SURFACE   |
|        | SRZ EXTENTS      |
|        | TPZ EXTENTS      |



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|           |            |
|-----------|------------|
| Designed  | S.FERGUSON |
| Date      | 11.04.2025 |
| Drawn     | S.FERGUSON |
| Checked   | A.TREESE   |
| Date      | 11.04.25   |
| Approved  | S.GRAY     |
| Reg. No.  | PEXXXXXXX  |
| Date      | 11.04.25   |
| PS Number | -          |

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|                 |                                                                            |
|-----------------|----------------------------------------------------------------------------|
| Project Details | WSU MILPERRA<br>2 BULLECOURT AVE, MILPERRA<br>CANTERBURY-BANKSTOWN COUNCIL |
| Drawing Title   | CASE STUDY 4<br>TREE SECTIONS<br>(SHEET 3 OF 11)                           |

Sheet 23 of 31

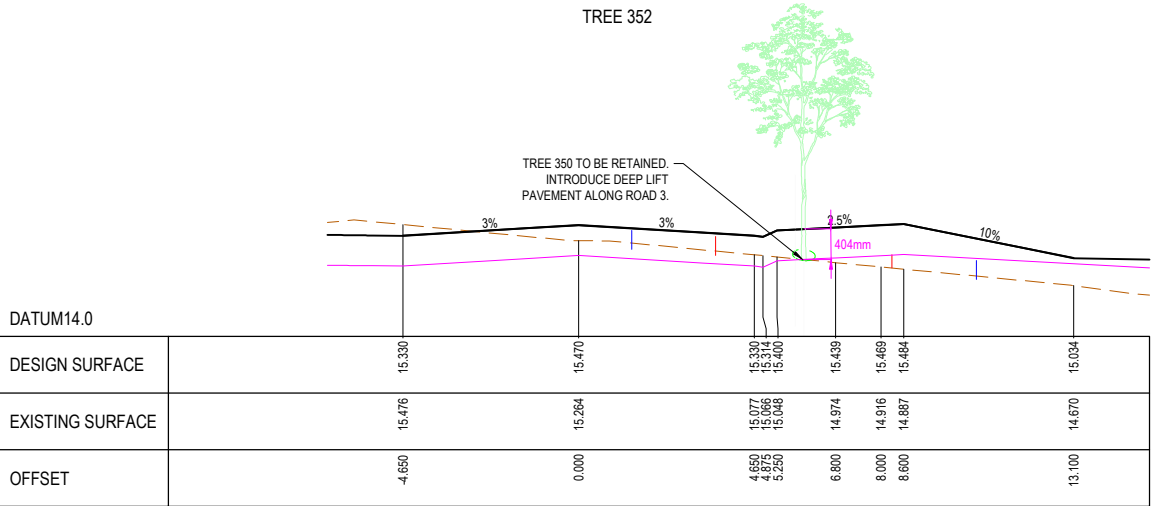
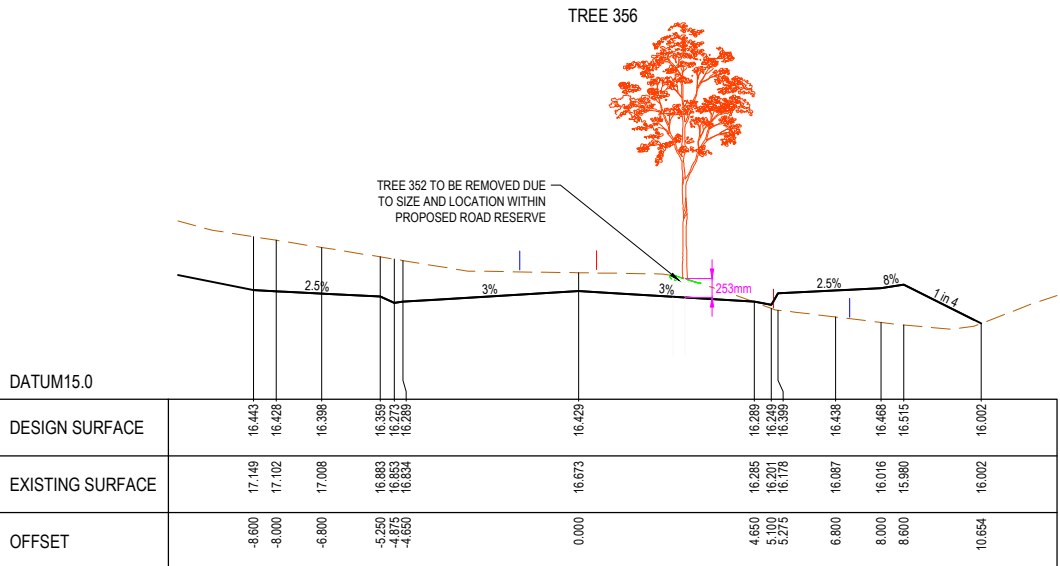
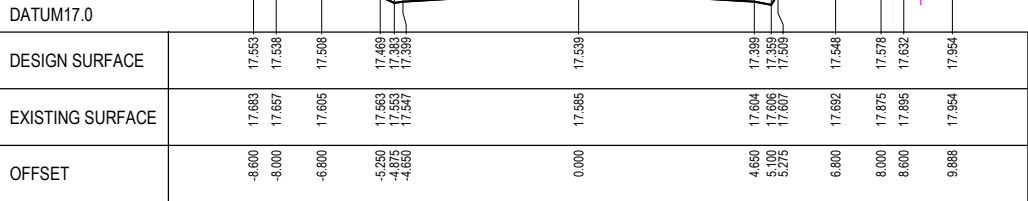
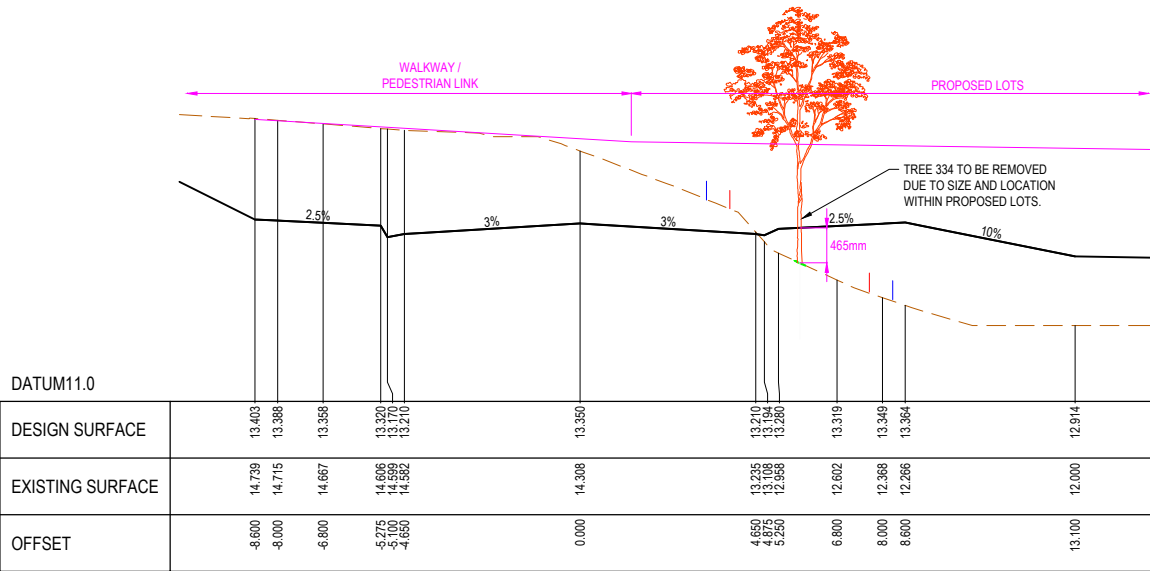
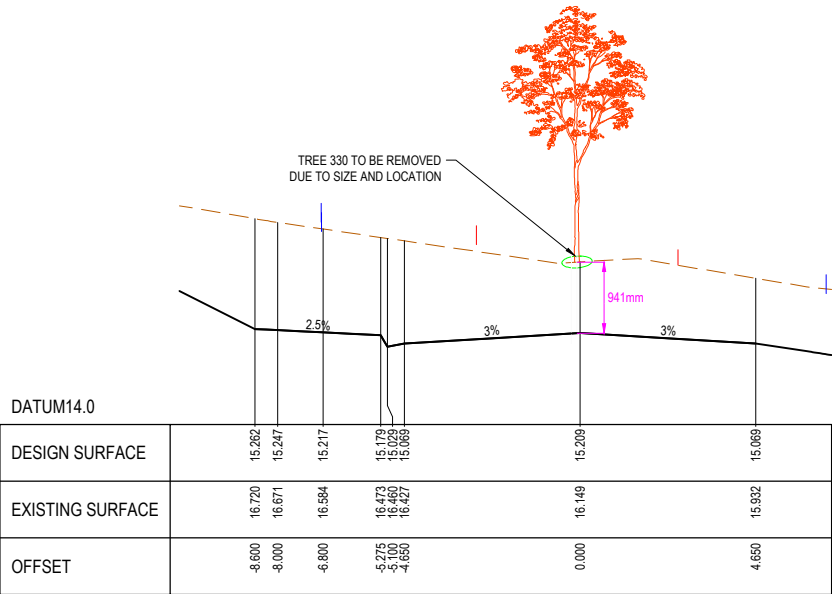
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|-------------|----------|------------|-----|
| Project Ref | Stage No | Drawing No | Rev |
| 2301879     | 150-04   | 202        | C   |

| Tree | Genus and Species              | Common Name        | Maturity    | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | R <sub>TPZ</sub> (m) | R <sub>SRZ</sub> (m) | Remove / Retain | Protected under DCP | Comments                                                                                                                                                    |
|------|--------------------------------|--------------------|-------------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|----------------------|----------------------|-----------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 330  | <i>Eucalyptus tereticornis</i> | Forest Red Gum     | Mature      | 1         | Stage 4              | 16         | 13        | 56       | 62       | Fair   | Poor      | N/A              | Short  | High                   | Moderate        | 6.7                  | 2.7                  | Remove          | Yes                 | Partially suppressed. Canopy with tissue necrosis and decay in large wound from previous branch failure. Primary stem now with compromised structural form. |
| 334  | <i>Pyrus calleryana</i>        | Callery Pear       | Semi mature | 1         | Stage 4              | 7          | 5         | 21       | 26       | Fair   | Poor      | N/A              | Medium | Low                    | Low             | 2.5                  | 1.9                  | Remove          | Yes                 | Small tree of reduced species value.                                                                                                                        |
| 350  | <i>Angophora floribunda</i>    | Rough Barked Apple | Mature      | 1         | Stage 4              | 13         | 10        | 38       | 47       | Good   | Good      | N/A              | Long   | High                   | High            | 4.6                  | 2.4                  | Remove          | Yes                 | Stem positioned 0.5 metres from edge of existing carpark.                                                                                                   |
| 352  | <i>Cedrus deodara</i>          | Deodar Cedar       | Mature      | 1         | Stage 4              | 15         | 10        | 37       | 45       | Fair   | Good      | N/A              | Medium | High                   | Moderate        | 4.4                  | 2.4                  | Remove          | Yes                 | Canopy thin, with signs of minor dieback. Positioned within confined area within 2 metres of existing driveway.                                             |
| 356  | <i>Eucalyptus microcorys</i>   | Tallow Wood        | Mature      | 1         | Stage 4              | 18         | 10        | 36       | 44       | Fair   | Fair      | N/A              | Medium | High                   | Moderate        | 4.4                  | 2.3                  | Remove          | Yes                 | Suppressed. Canopy with minor signs of dieback                                                                                                              |

LEGEND

|  |                  |
|--|------------------|
|  | EXISTING SURFACE |
|  | DESIGN SURFACE   |
|  | SRZ EXTENTS      |
|  | TPZ EXTENTS      |



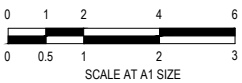
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| A   | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |

HORIZ. 1:100

VERT. 1:50



|           |            |
|-----------|------------|
| Designed  | S.FERGUSON |
| Date      | 11.04.2025 |
| Drawn     | S.FERGUSON |
| Checked   | A.TREESE   |
| Date      | 11.04.2025 |
| Approved  | S.GRAY     |
| Reg. No.  | PEXXXXXXX  |
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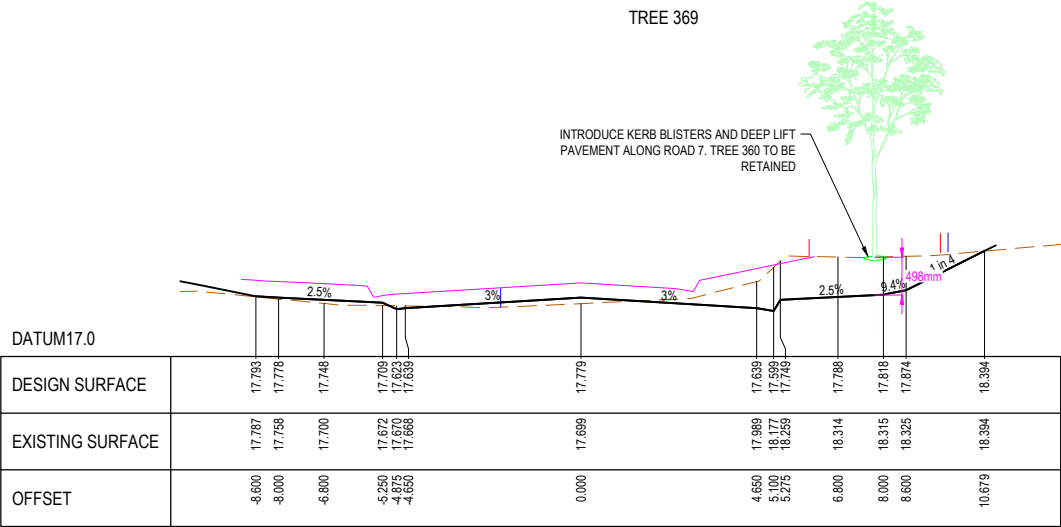
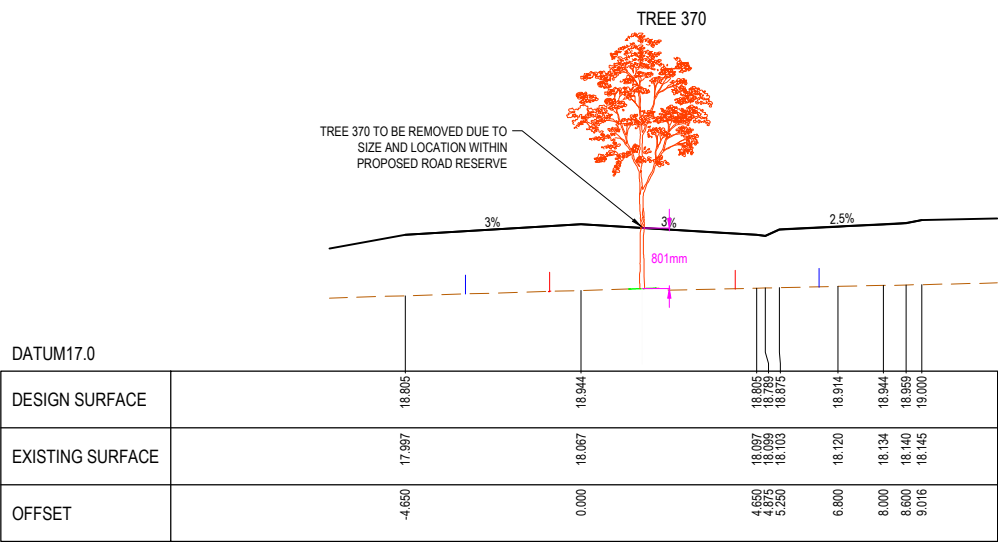
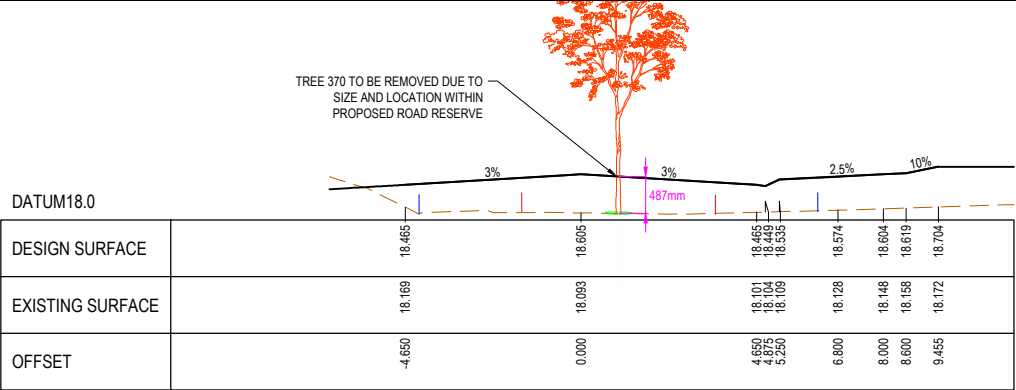
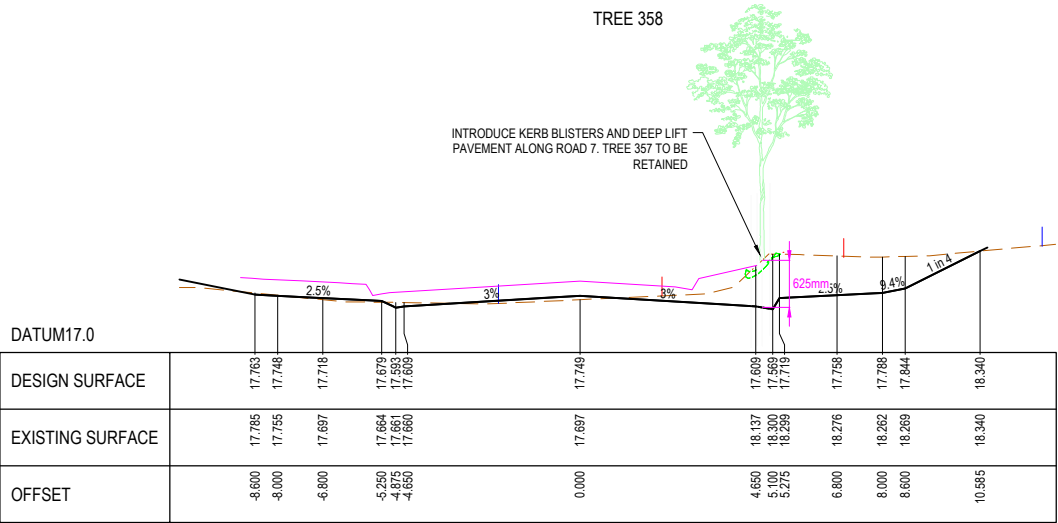
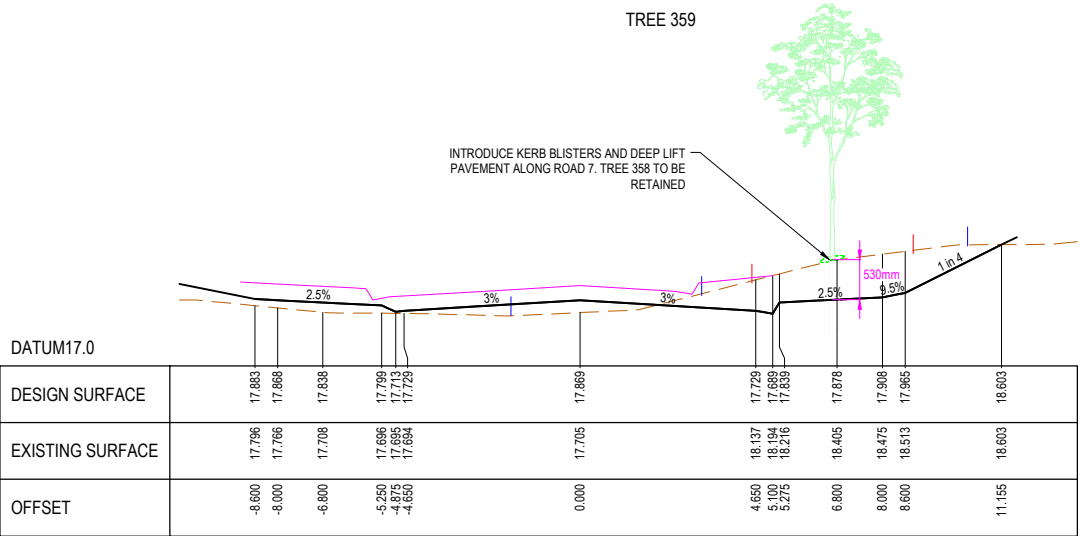
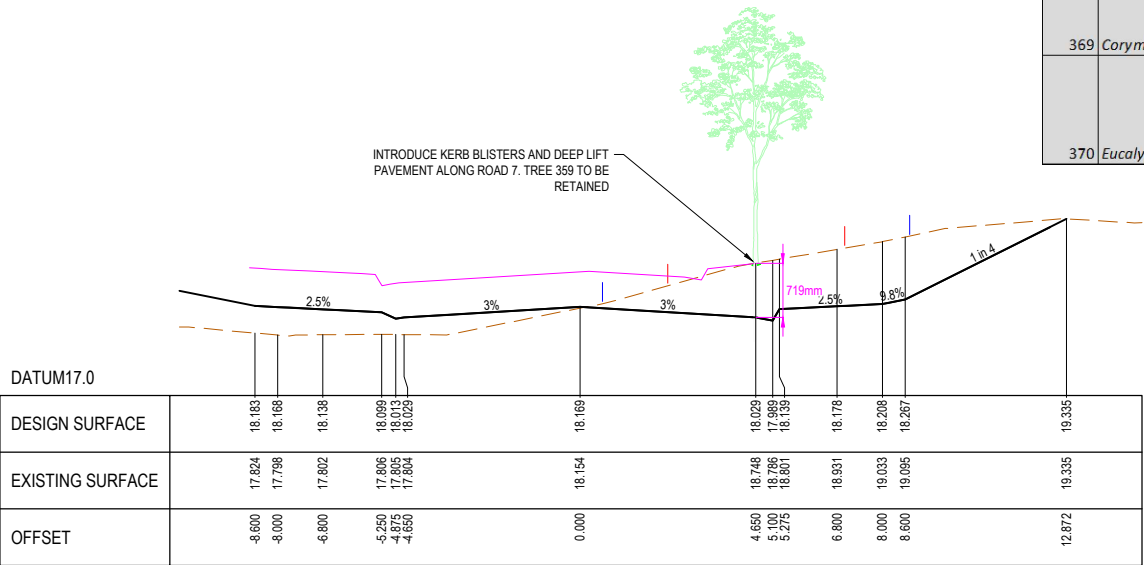
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|-----------------|----------------------------------------------------------------------------|
| Project Details | WSU MILPERRA<br>2 BULLECOURT AVE, MILPERRA<br>CANTERBURY-BANKSTOWN COUNCIL |
| Drawing Title   | CASE STUDY 4<br>TREE SECTIONS<br>(SHEET 4 OF 11)                           |

Sheet 24 of 31

Scale  
1:100 H 1:50 V @ A1

|             |          |            |     |
|-------------|----------|------------|-----|
| Project Ref | Stage No | Drawing No | Rev |
| 2301879     | 150-04   | 203        | C   |

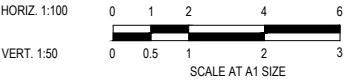
| Tree | Genus and Species              | Common Name                    | Maturity    | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | R <sub>TPZ</sub> (m) | R <sub>SRZ</sub> (m) | Remove / Retain | Protected under DCP | Comments                                                                                                           |
|------|--------------------------------|--------------------------------|-------------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|----------------------|----------------------|-----------------|---------------------|--------------------------------------------------------------------------------------------------------------------|
| 357  | <i>Eucalyptus saligna</i>      | Sydney Blue Gum                | Mature      | 1         | Stage 4              | 21         | 15        | 59       | 64       | Good   | Good      | N/A              | Long   | High                   | High            | 7.1                  | 2.7                  | Remove          | Yes                 | Large tree of indigenous species significance observed to be in good condition.                                    |
| 358  | <i>Corymbia citriodora</i>     | Lemon-scented Gum              | Mature      | 1         | Stage 4              | 17         | 10        | 29       | 37       | Poor   | Poor      | N/A              | Medium | High                   | Moderate        | 3.5                  | 2.2                  | Remove          | Yes                 | Suppressed. Dieback. Stem with northerly orientation.                                                              |
| 359  | <i>Corymbia citriodora</i>     | Lemon-scented Gum              | Mature      | 1         | Stage 4              | 17         | 11        | 34       | 47       | Poor   | Poor      | N/A              | Medium | High                   | Moderate        | 4.1                  | 2.4                  | Remove          | Yes                 | Suppressed. Dieback. Stem with northerly orientation.                                                              |
| 360  | <i>Castanospermum australe</i> | Moreton Bay Chestnut           | Semi mature | 1         | Stage 4              | 6          | 4         | 15       | 23       | Good   | Fair      | N/A              | Medium | Moderate               | Moderate        | 2.0                  | 1.8                  | Retain          | Yes                 | Suppressed.                                                                                                        |
| 369  | <i>Corymbia citriodora</i>     | Lemon-scented Gum              | Mature      | 1         | Stage 4              | 15         | 14        | 39       | 50       | Good   | Good      | N/A              | Long   | High                   | High            | 4.7                  | 2.5                  | Remove          | Yes                 | Maturing tree of native species value observed to be in mostly good condition.                                     |
| 370  | <i>Eucalyptus nicholii</i>     | Narrow-leaved Black Peppermint | Mature      | 1         | Stage 4              | 15         | 6         | 44       | 57       | Poor   | Fair      | N/A              | Short  | High                   | Moderate        | 5.3                  | 2.6                  | Remove          | No                  | Tree of native species significance in confined location within existing carpark. Restricted root growth. Dieback. |



| LEGEND |                  |
|--------|------------------|
|        | EXISTING SURFACE |
|        | DESIGN SURFACE   |
|        | SRZ EXTENTS      |
|        | TPZ EXTENTS      |

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|                                                                                                                                                                                                   |                         |          |      |      |     |             |      |      |      |
|                                                                                                                                                                                                   |                         |          |      |      |     |             |      |      |      |
| C                                                                                                                                                                                                 | ISSUED FOR COORDINATION | 16.05.25 | J.G. | S.G. |     |             |      |      |      |
| A                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |
| REV                                                                                                                                                                                               | DESCRIPTION             | DATE     | DRN. | APP. | REV | DESCRIPTION | DATE | DRN. | APP. |



|           |            |
|-----------|------------|
| Designed  | S.FERGUSON |
| Date      | 11.04.2025 |
| Drawn     | S.FERGUSON |
| Checked   | A.TREESE   |
| Date      | XX.XX.XX   |
| Approved  | S.GRAY     |
| Reg. No.  | PEXXXXXX   |
| Date      | 11.04.25   |
| PS Number |            |

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|                 |                                                                            |
|-----------------|----------------------------------------------------------------------------|
| Project Details | WSU MILPERRA<br>2 BULLECOURT AVE, MILPERRA<br>CANTERBURY-BANKSTOWN COUNCIL |
| Drawing Title   | CASE STUDY 4<br>TREE SECTIONS<br>(SHEET 5 OF 11)                           |

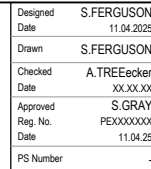
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| Sheet       | 25 of 31            |
| Scale       | 1:100 H 1:50 V @ A1 |
| Project Ref | 2301879             |
| Stage No    | 150-04              |
| Drawing No  | 204                 |
| Rev         | C                   |

## LEGEND

|                                                                                     |                  |
|-------------------------------------------------------------------------------------|------------------|
|  | EXISTING SURFACE |
|  | DESIGN SURFACE   |
|  | SRZ EXTENTS      |
|  | TPZ EXTENTS      |



|                                                                                                                                                                                                   |                         |  |  |  |  |          |     |      |     |             |  |  |  |  |      |     |      |  |  |
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|                                                                                                                                                                                                   |                         |  |  |  |  |          |     |      |     |             |  |  |  |  |      |     |      |  |  |
| C                                                                                                                                                                                                 | ISSUED FOR COORDINATION |  |  |  |  | 16.05.25 | J/G | S/G  |     |             |  |  |  |  |      |     |      |  |  |
| A                                                                                                                                                                                                 | ISSUED FOR INFORMATION  |  |  |  |  | 30.04.25 | J/G | S/G  |     |             |  |  |  |  |      |     |      |  |  |
| REV                                                                                                                                                                                               | DESCRIPTION             |  |  |  |  | DATE     | DRN | APP. | REV | DESCRIPTION |  |  |  |  | DATE | DRN | APP. |  |  |

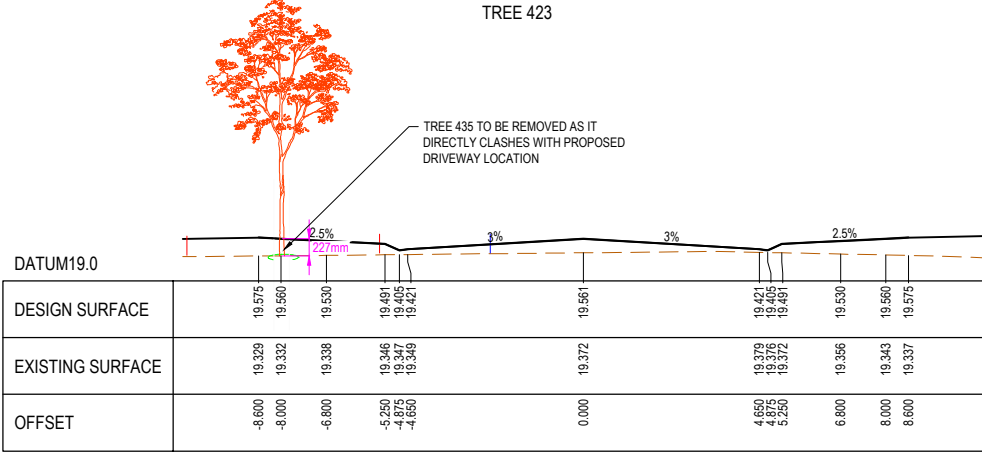
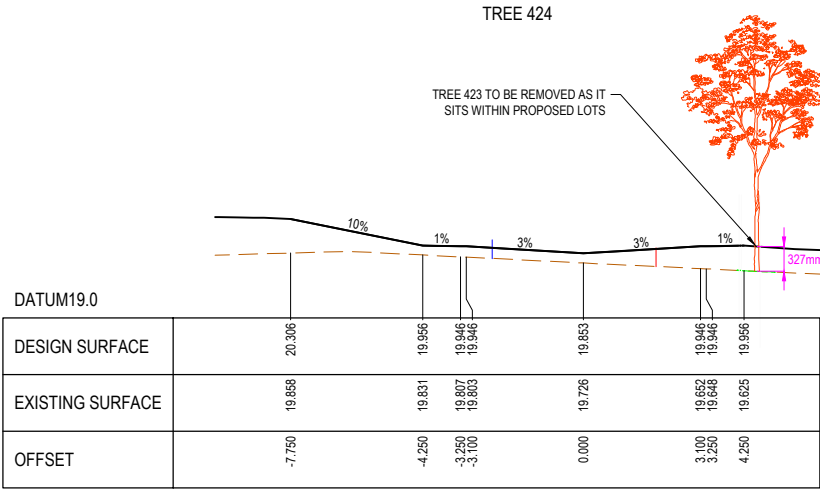
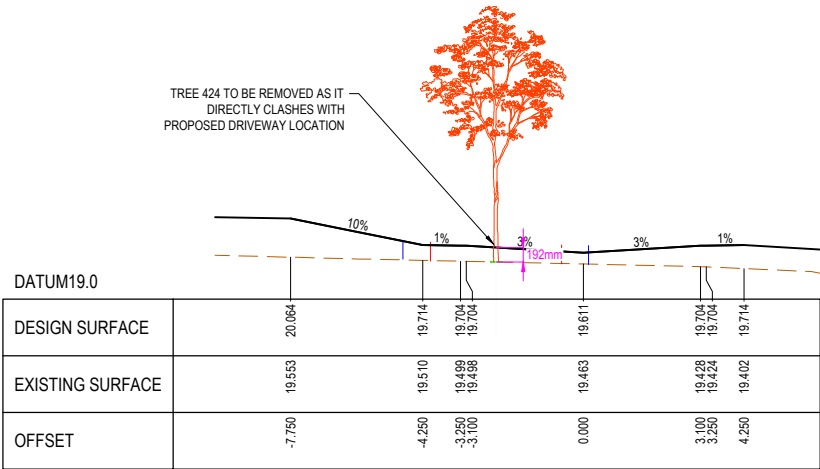


|                 |                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------|
| Project Details | <p>WSU MILPERRA</p> <p>2 BULLECOURT AVE, MILPERRA</p> <p>CANTERBURY-BANKSTOWN COUNCIL</p> |
| Drawing Title   | <p>CASE STUDY 4</p> <p>TREE SECTIONS</p> <p>(SHEET 6 OF 11)</p>                           |

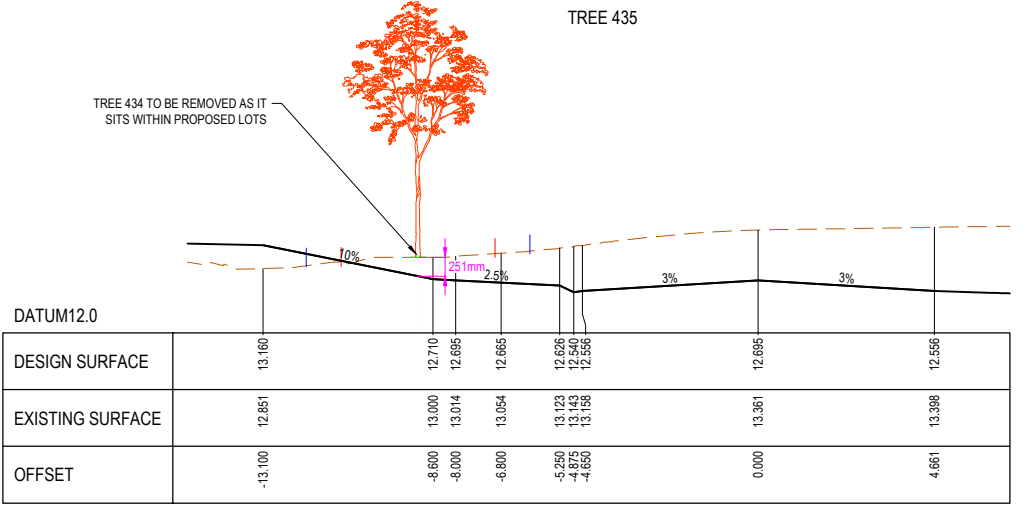
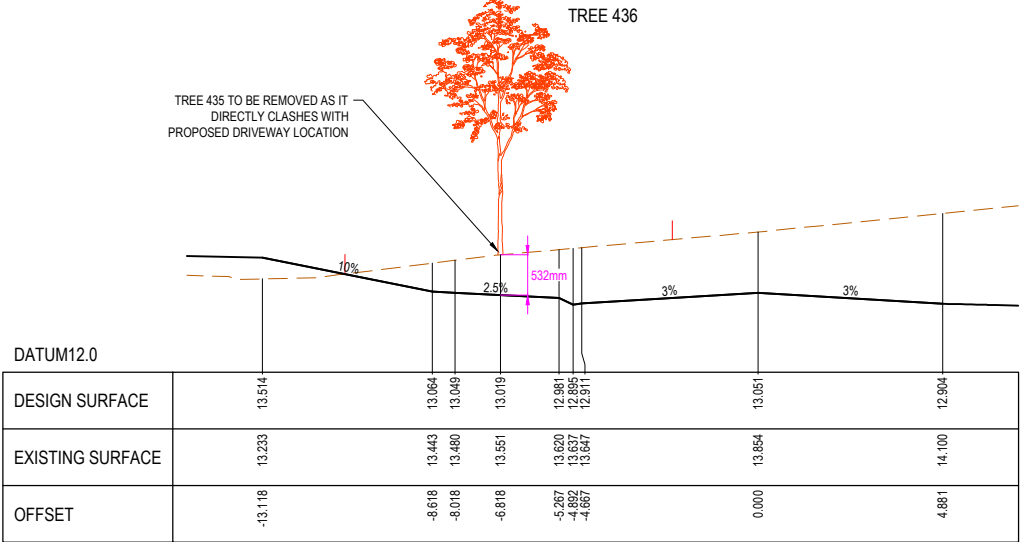
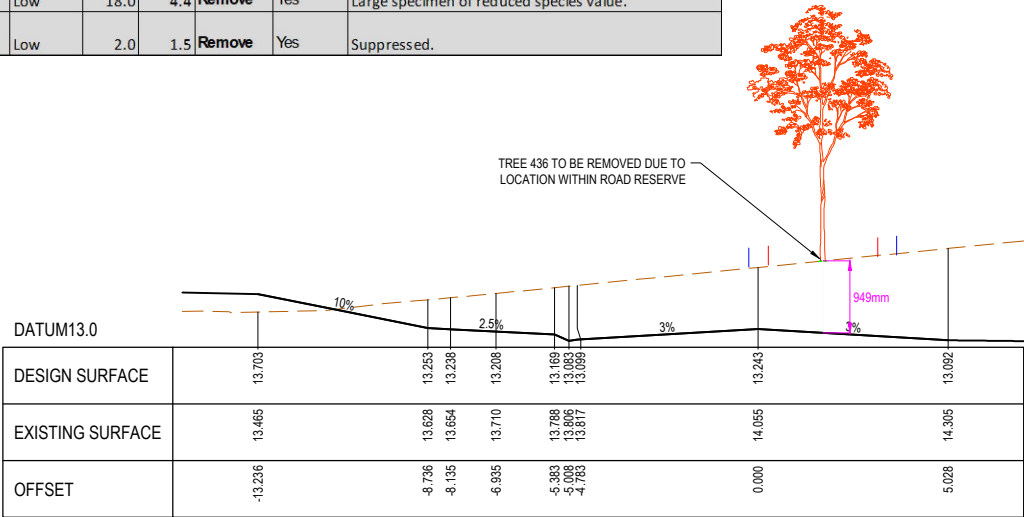
| Project Ref | Stage No | Drawing No | Rev |
|-------------|----------|------------|-----|
| 2301879     | 150-04   | 205        | C   |

| Tree | Genus and Species             | Common Name                | Maturity | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | R <sub>TPZ</sub> (m) | R <sub>SRZ</sub> (m) | Remove / Retain | Protected under DCP | Comments                                                                                                                                 |
|------|-------------------------------|----------------------------|----------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|----------------------|----------------------|-----------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 421  | <i>Eucalyptus sideroxylon</i> | Red Ironbark               | Mature   | 1         | Stage 5              | 19         | 16        | 46       | 54       | Fair   | Fair      | Hollow           | Long   | High                   | High            | 5.5                  | 2.6                  | Remove          | Yes                 | Large tree of native species value. Bulging on stem at 4 metres around narrow hollow. Signs of good response growth around wound margin. |
| 423  | <i>Eucalyptus crebra</i>      | Narrow-leaved Red Ironbark | Mature   | 1         | Stage 5              | 15         | 14        | 58       | 64       | Good   | Fair      | N/A              | Long   | High                   | High            | 7.0                  | 2.7                  | Remove          | Yes                 | Large tree of native species value observed to be in good condition.                                                                     |
| 424  | <i>Cedrus deodara</i>         | Deodar Cedar               | Mature   | 1         | Stage 5              | 6          | 4         | 21       | 24       | Dead   | Poor      | N/A              | Dead   | Negligible             | Very Low        | 2.5                  | 1.8                  | Remove          | No                  | Small dead tree.                                                                                                                         |
| 434  | <i>Pyrus calleryana</i>       | Callery Pear               | Mature   | 1         | Stage 3              | 7          | 8         | 25       | 32       | Good   | Fair      | N/A              | Medium | Low                    | Low             | 3.0                  | 2.1                  | Remove          | Yes                 | Medium-sized tree of reduced species value.                                                                                              |
| 435  | <i>Yucca sp.</i>              | Yucca                      | Mature   | 1         | Stage 3              | 5          | 8         | 150      | 200      | Good   | Poor      | N/A              | Short  | Low                    | Low             | 18.0                 | 4.4                  | Remove          | Yes                 | Large specimen of reduced species value.                                                                                                 |
| 436  | <i>Cupressus sempervirens</i> | Italian Cypress            | Mature   | 1         | Stage 3              | 6          | 1         | 15       | 15       | Good   | Fair      | N/A              | Short  | Low                    | Low             | 2.0                  | 1.5                  | Remove          | Yes                 | Suppressed.                                                                                                                              |

| LEGEND |                  |
|--------|------------------|
|        | EXISTING SURFACE |
|        | DESIGN SURFACE   |
|        | SRZ EXTENTS      |
|        | TPZ EXTENTS      |



TREE 421



TREE 434

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|-----|-------------------------|----------|------|------|-----|-------------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|
| C   | ISSUED FOR COORDINATION | 16.05.25 | J.G. | S.G. |     |             |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
| A   | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
| REV | DESCRIPTION             | DATE     | DRN. | APP. | REV | DESCRIPTION | DATE | DRN. | APP. |  |  |  |  |  |  |  |  |  |  |  |  |

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Date  
Drawn  
Checked  
Date  
Approved  
Reg. No.  
Date  
PS Number

S.FERGUSON  
11.04.2025  
S.FERGUSON  
A.TREE&C  
S.GRAY  
PEXXXXXXX  
11.04.25  
-

HORIZ 1:100  
VERT. 1:50

0 1 2 4 6  
0 0.5 1 2 3

SCALE AT A1 SIZE

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Project Details  
WSU MILPERRA  
2 BULLECOURT AVE, MILPERRA  
CANTERBURY-BANKSTOWN COUNCIL

Drawing Title  
CASE STUDY 4  
TREE SECTIONS  
(SHEET 7 OF 11)

Sheet 27 of 31  
Scale  
1:100 H 1:50 V @ A1

Project Ref  
2301879

Stage No  
150-04

Drawing No  
206

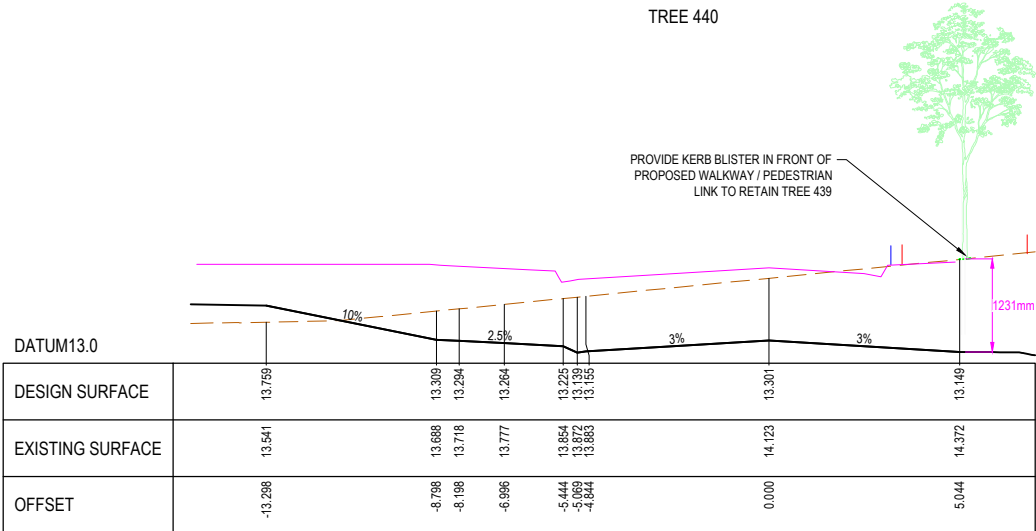
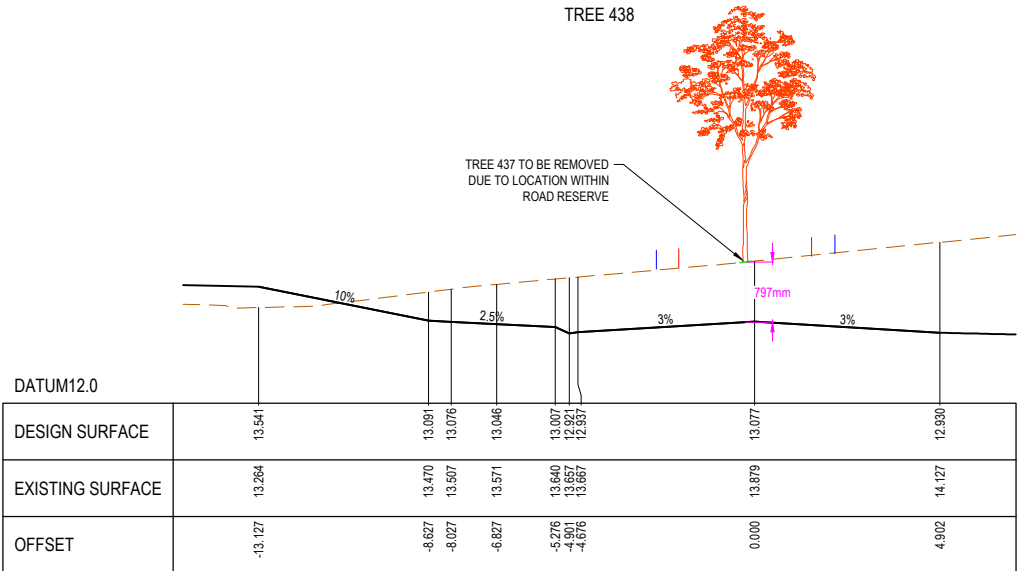
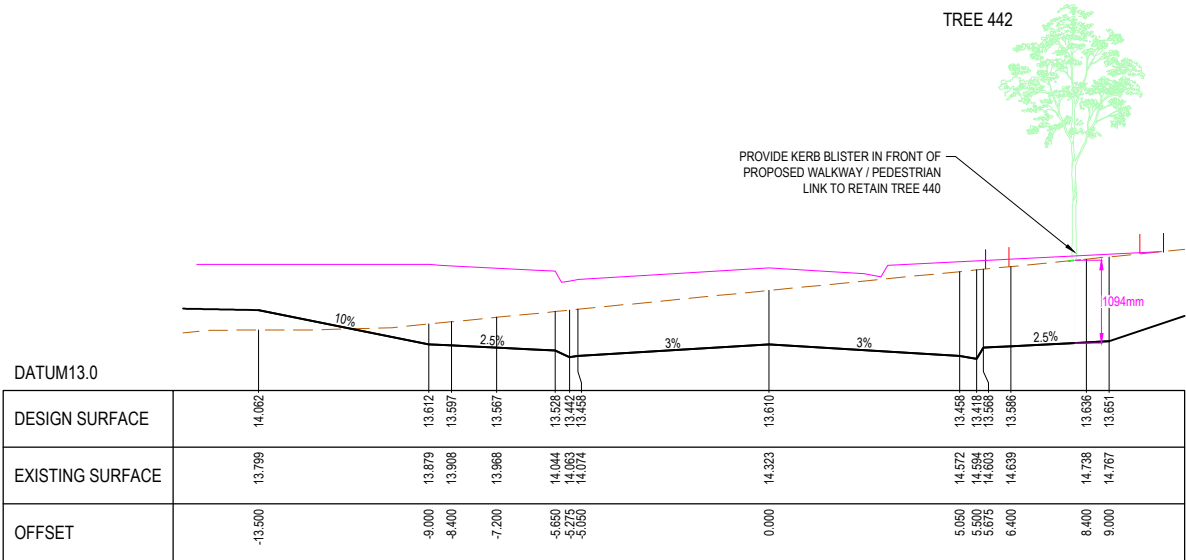
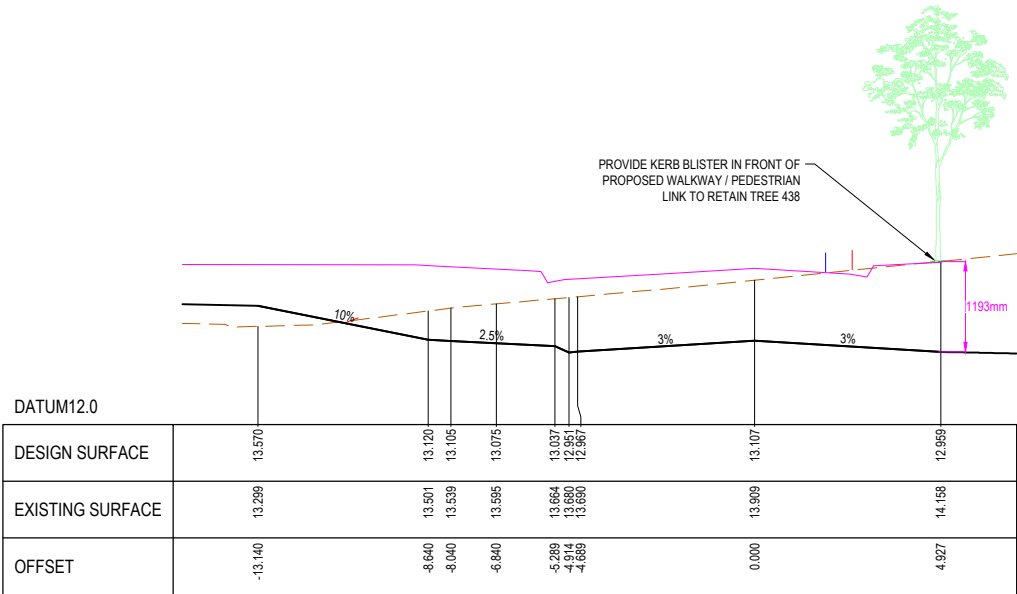
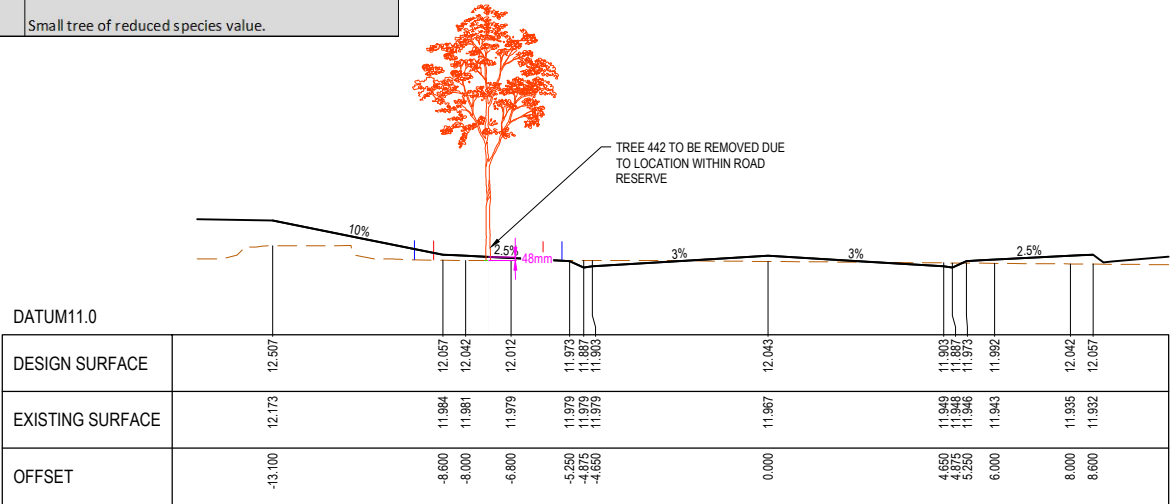
Rev  
C

Q:\wsy\jobs\23\2301879 - 2 Bullecourt Avenue Milperra\_Eng\150 - Tree Retention Options\2301879-150-04-200-RXS.dwg

| Tree | Genus and Species            | Common Name           | Maturity    | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE    | Landscape Significance | Retention Value | R <sub>IPZ</sub> (m) | R <sub>SRZ</sub> (m) | Remove / Retain | Protected under DCP | Comments                                                                                                       |
|------|------------------------------|-----------------------|-------------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|--------|------------------------|-----------------|----------------------|----------------------|-----------------|---------------------|----------------------------------------------------------------------------------------------------------------|
| 437  | <i>Ginkgo biloba</i>         | Maiden Hair Tree      | Mature      | 1         | Stage 3              | 7          | 5         | 20       | 23       | Good   | Fair      | N/A              | Short  | Low                    | Low             | 2.4                  | 1.8                  | Remove          | Yes                 | Small tree of reduced species value.                                                                           |
| 438  | <i>Tibouchina granulosa</i>  | Purple Glory Tree     | Mature      | 1         | Stage 3              | 5          | 4         | 25       | 40       | Fair   | Fair      | N/A              | Medium | Low                    | Low             | 3.0                  | 2.3                  | Remove          | Yes                 | Suppressed                                                                                                     |
| 439  | <i>Thuja occidentalis</i>    | White Cedar           | Mature      | 3         | Stage 3              | 6          | 2         | 15       | 20       | Fair   | Fair      | N/A              | Medium | Low                    | Low             | 2.0                  | 1.7                  | Remove          | Yes                 | GROUP of 3 closely positioned specimens of the same size and species. Small trees of low species significance. |
| 440  | <i>Picea abies 'Pendula'</i> | Weeping Norway Spruce | Mature      | 1         | Stage 3              | 6          | 4         | 20       | 25       | Good   | Fair      | N/A              | Medium | Low                    | Low             | 2.4                  | 1.8                  | Remove          | Yes                 | Small tree of reduced species value.                                                                           |
| 442  | <i>Pyrus calleryana</i>      | Callery Pear          | Semi mature | 1         | Stage 3              | 4          | 3         | 10       | 15       | Good   | Fair      | N/A              | Medium | Low                    | Low             | 2.0                  | 1.5                  | Remove          | No                  | Small tree of reduced species value.                                                                           |

LEGEND

EXISTING SURFACE  
DESIGN SURFACE



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|-----|-------------------------|----------|------|------|-----|-------------|------|------|------|
| C   | ISSUED FOR COORDINATION | 16.05.25 | J.G. | S.G. |     |             |      |      |      |
| A   | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |

HORIZ. 1:100  
VERT. 1:50  
SCALE AT A1 SIZE

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Date  
Drawn  
Checked  
Date  
Approved  
Reg. No.  
Date  
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Project Details  
WSU MILPERRA  
2 BULLECOURT AVE, MILPERRA  
CANTERBURY-BANKSTOWN COUNCIL  
Drawing Title  
CASE STUDY 4  
TREE SECTIONS  
(SHEET 8 OF 11)

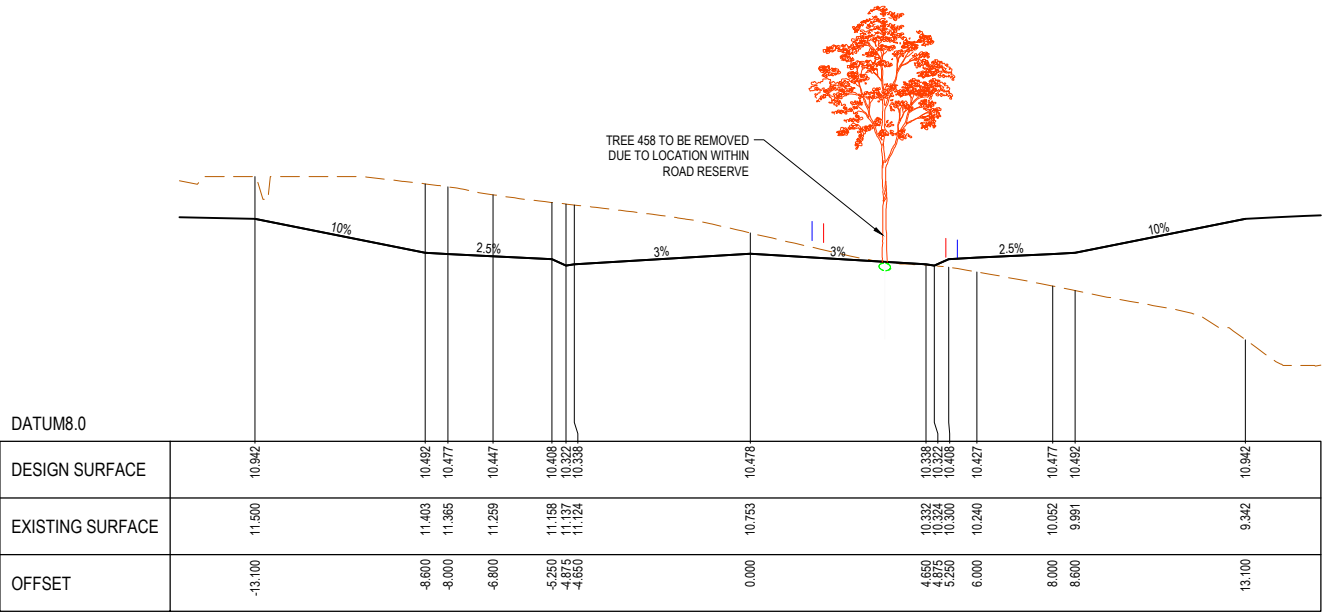
Sheet 28 of 31

Scale  
1:100 H 1:50 V @ A1

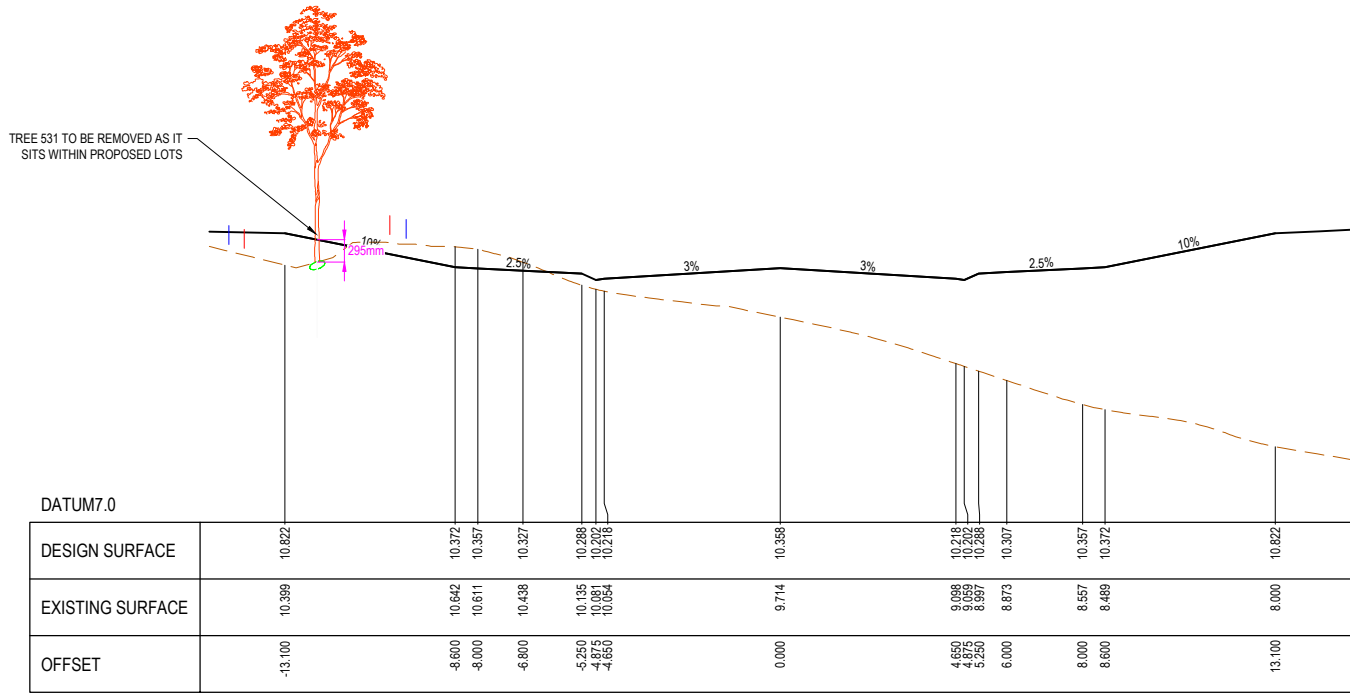
Project Ref  
2301879  
Stage No  
150-04  
Drawing No  
207  
Rev  
C

| Tree | Genus and Species      | Common Name         | Maturity    | No. trees | Position within Site | Height (m) | Width (m) | DBH (cm) | DRF (cm) | Health | Structure | Habitat Observed | ULE   | Landscape Significance | Retention Value | R <sub>FPZ</sub> (m) | R <sub>SPZ</sub> (m) | Remove / Retain | Protected under DCP | Comments                                                                           |
|------|------------------------|---------------------|-------------|-----------|----------------------|------------|-----------|----------|----------|--------|-----------|------------------|-------|------------------------|-----------------|----------------------|----------------------|-----------------|---------------------|------------------------------------------------------------------------------------|
| 457  | Waterhousea floribunda | Weeping Lilly Pilly | Semi mature | 1         | Stage 3              | 8          | 5         | 15       | 20       | Good   | Good      | N/A              | Long  | Moderate               | Moderate        | 2.0                  | 1.7                  | Remove          | Yes                 | Small tree of native species value observed to be in mostly good condition.        |
| 458  | Corymbia maculata      | Spotted Gum         | Semi mature | 1         | Stage 3              | 11         | 6         | 15       | 20       | Good   | Good      | N/A              | Long  | High                   | High            | 2.0                  | 1.7                  | Remove          | Yes                 | Maturing tree of indigenous species value observed to be in mostly good condition. |
| 531  | Corymbia ficifolia     | Flowering Gum       | Mature      | 1         | Stage 3              | 4          | 4         | 20       | 30       | Poor   | Fair      | N/A              | Short | Moderate               | Low             | 2.4                  | 2.0                  | Remove          | No                  | Small tree of native species. Canopy with signs of dieback.                        |

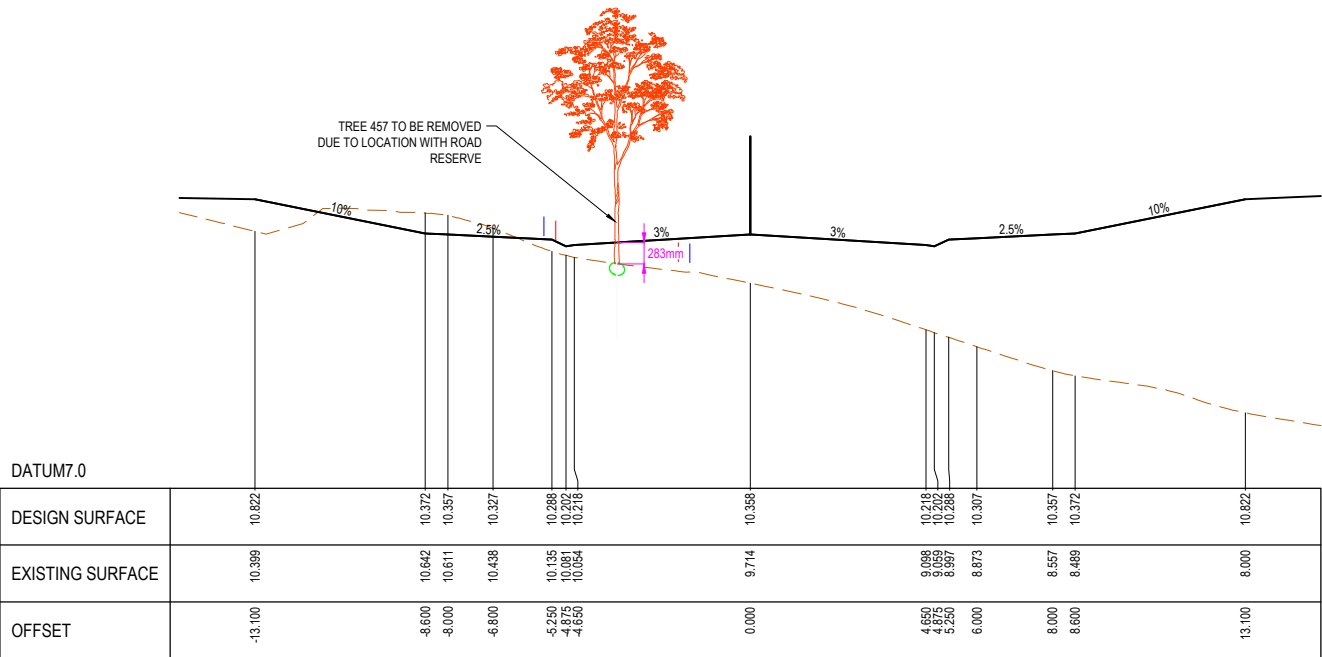
| LEGEND |                  |
|--------|------------------|
|        | EXISTING SURFACE |
|        | DESIGN SURFACE   |



TREE 458



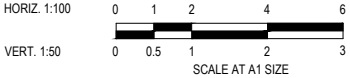
TREE 531



TREE 457

|                                           |          |                           |     |
|-------------------------------------------|----------|---------------------------|-----|
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| Sheet 29 of 31                            |          | Scale 1:100 H 1:50 V @ A1 |     |
| Project Ref                               | Stage No | Drawing No                | Rev |
| 2301879                                   | 150-04   | 208                       | C   |

|                                                                                                                                                                                                   |                         |          |      |      |     |             |      |      |      |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                   |                         |          |      |      |     |             |      |      |      |  |  |  |  |  |  |  |  |  |  |  |
| C                                                                                                                                                                                                 | ISSUED FOR COORDINATION | 16.05.25 | J.G  | S.G  |     |             |      |      |      |  |  |  |  |  |  |  |  |  |  |  |
| A                                                                                                                                                                                                 | ISSUED FOR INFORMATION  | 30.04.25 | J.G  | S.G  |     |             |      |      |      |  |  |  |  |  |  |  |  |  |  |  |
| REV                                                                                                                                                                                               | DESCRIPTION             | DATE     | DRN. | APP. | REV | DESCRIPTION | DATE | DRN. | APP. |  |  |  |  |  |  |  |  |  |  |  |



|           |               |
|-----------|---------------|
| Designed  | S.FERGUSON    |
| Date      | 11.04.2025    |
| Drawn     | S.FERGUSON    |
| Checked   | A.TREE Eckler |
| Date      | XX.XX.XX      |
| Approved  | S.GRAY        |
| Reg. No.  | PEXXXXXXX     |
| Date      | 11.04.25      |
| PS Number | -             |

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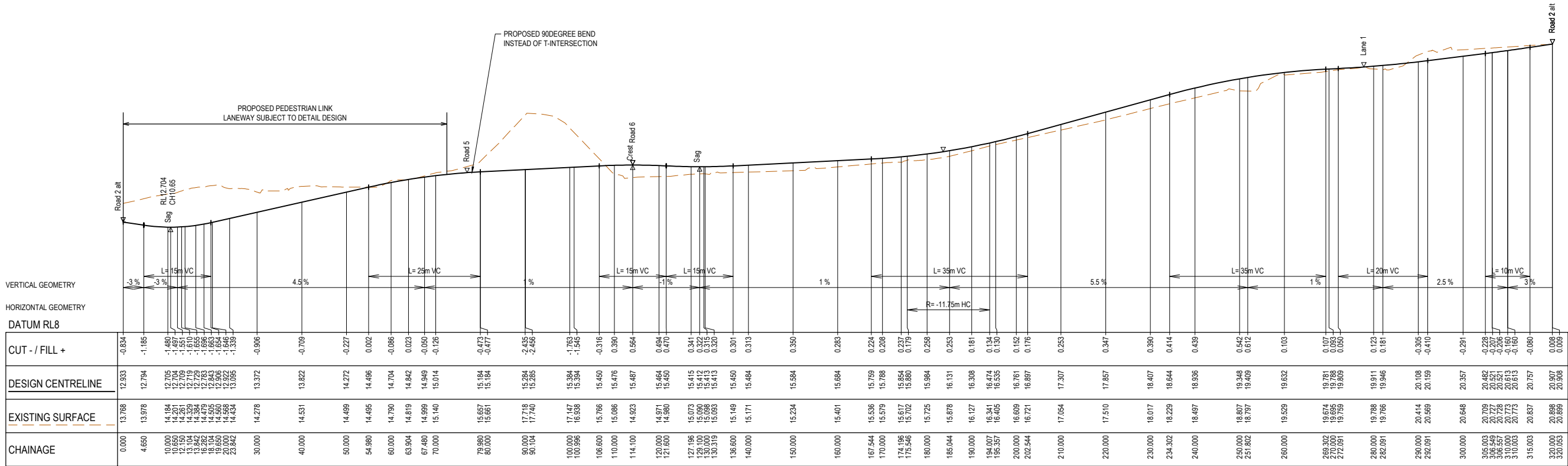
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| Project Details | WSU MILPERRA<br>2 BULLECOURT AVE, MILPERRA<br>CANTERBURY-BANKSTOWN COUNCIL |
| Drawing Title   | CASE STUDY 4<br>TREE SECTIONS<br>(SHEET 9 OF 11)                           |

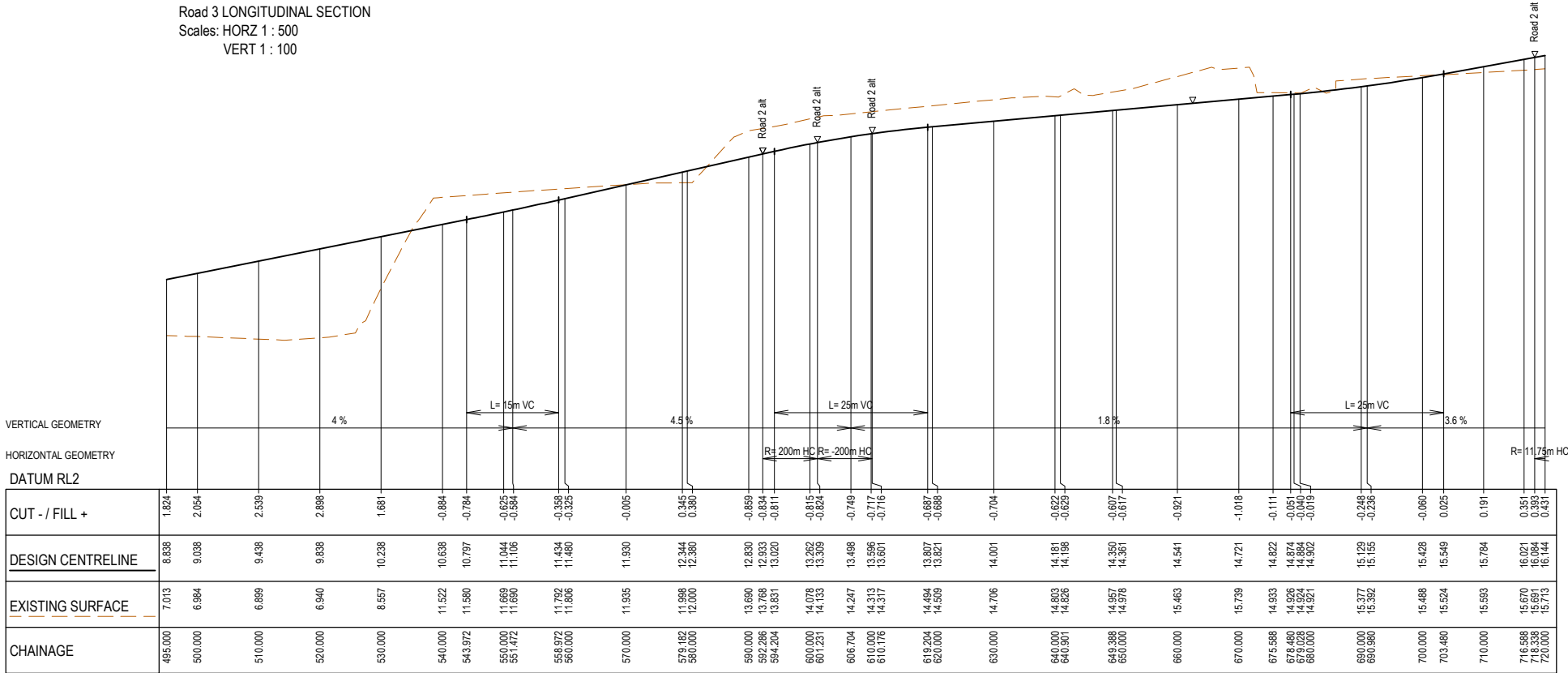
## LEGEND

|                                                                                     |                  |
|-------------------------------------------------------------------------------------|------------------|
|  | EXISTING SURFACE |
|  | DESIGN SURFACE   |

LEGEND  
EXISTING SURFACE  
DESIGN SURFACE



Road 3 LONGITUDINAL SECTION  
Scales: HORZ 1 : 500  
VERT 1 : 100

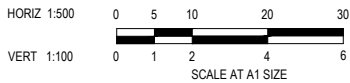


Road 2 LONGITUDINAL SECTION  
Scales: HORZ 1 : 500  
VERT 1 : 100

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| REV | DESCRIPTION             | DATE     | DRN. | APP. | REV | DESCRIPTION | DATE | DRN. | APP. |
|-----|-------------------------|----------|------|------|-----|-------------|------|------|------|
| C   | ISSUED FOR COORDINATION | 16.05.25 | J.G. | S.G. |     |             |      |      |      |
| A   | ISSUED FOR INFORMATION  | 30.04.25 | J.G. | S.G. |     |             |      |      |      |



Designed  
Date  
Drawn  
Checked  
Date  
Approved  
Reg. No.  
Date  
PS Number

S.FERGUSON  
11.04.2025  
S.FERGUSON  
A.TREESE  
11.04.2025  
S.GRAY  
PEXXXXXXX  
11.04.25  
-

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Project Details  
WSU MILPERRA  
2 BULLECOURT AVE, MILPERRA  
CANTERBURY-BANKSTOWN COUNCIL

Drawing Title  
CASE STUDY 4  
TREE SECTIONS  
(SHEET 11 OF 11)

Sheet 31 of 31  
Scale  
1:500 H 1:100 V @ A1  
Project Ref  
2301879  
Stage No  
150-04  
Drawing No  
210  
Rev  
C