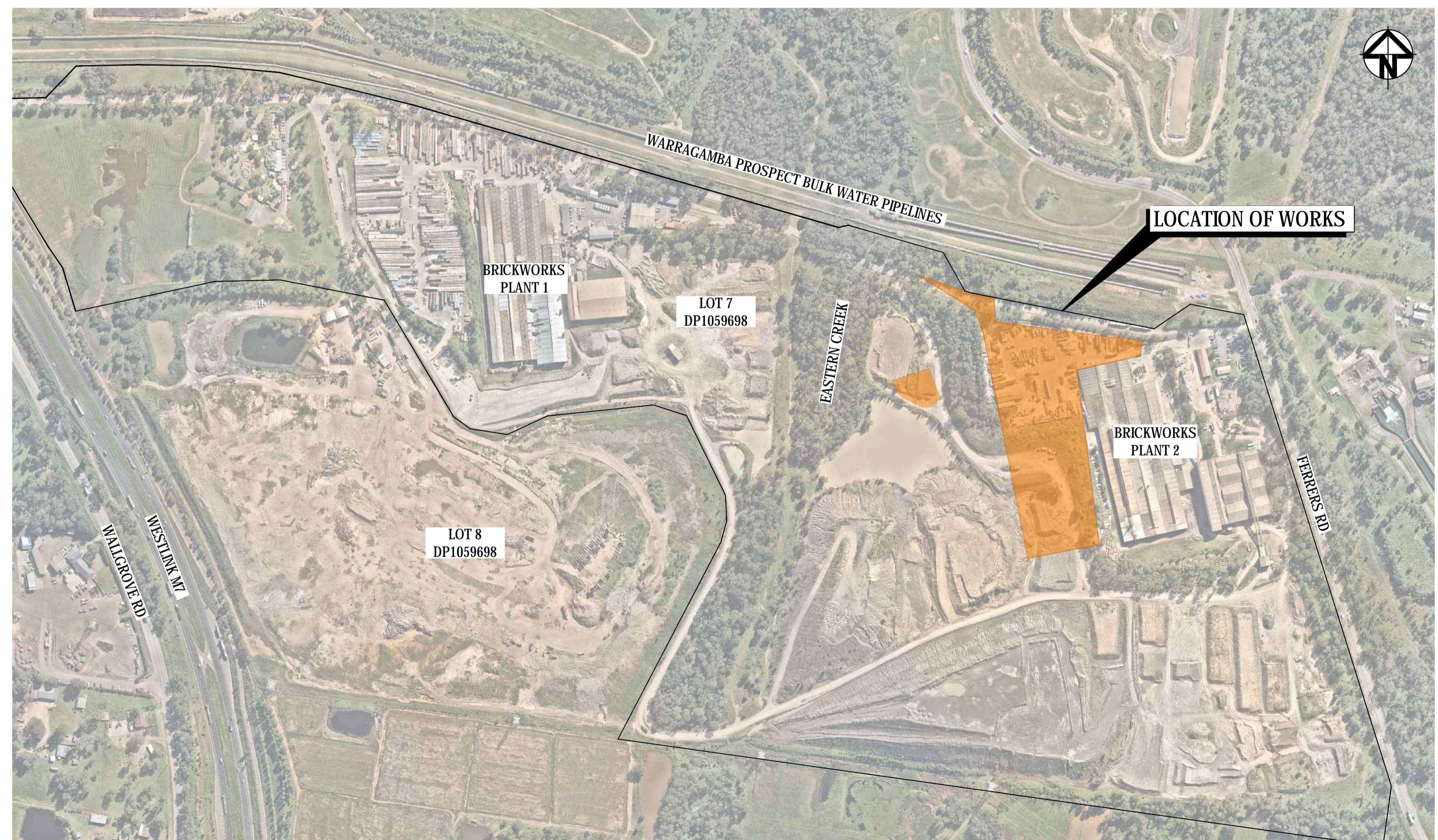


# BRICKWORKS PLANT 2 - HARDSTAND EXTENSION

## 780 WALLGROVE ROAD, HORSLEY PARK

### CIVIL WORKS DA PACKAGE

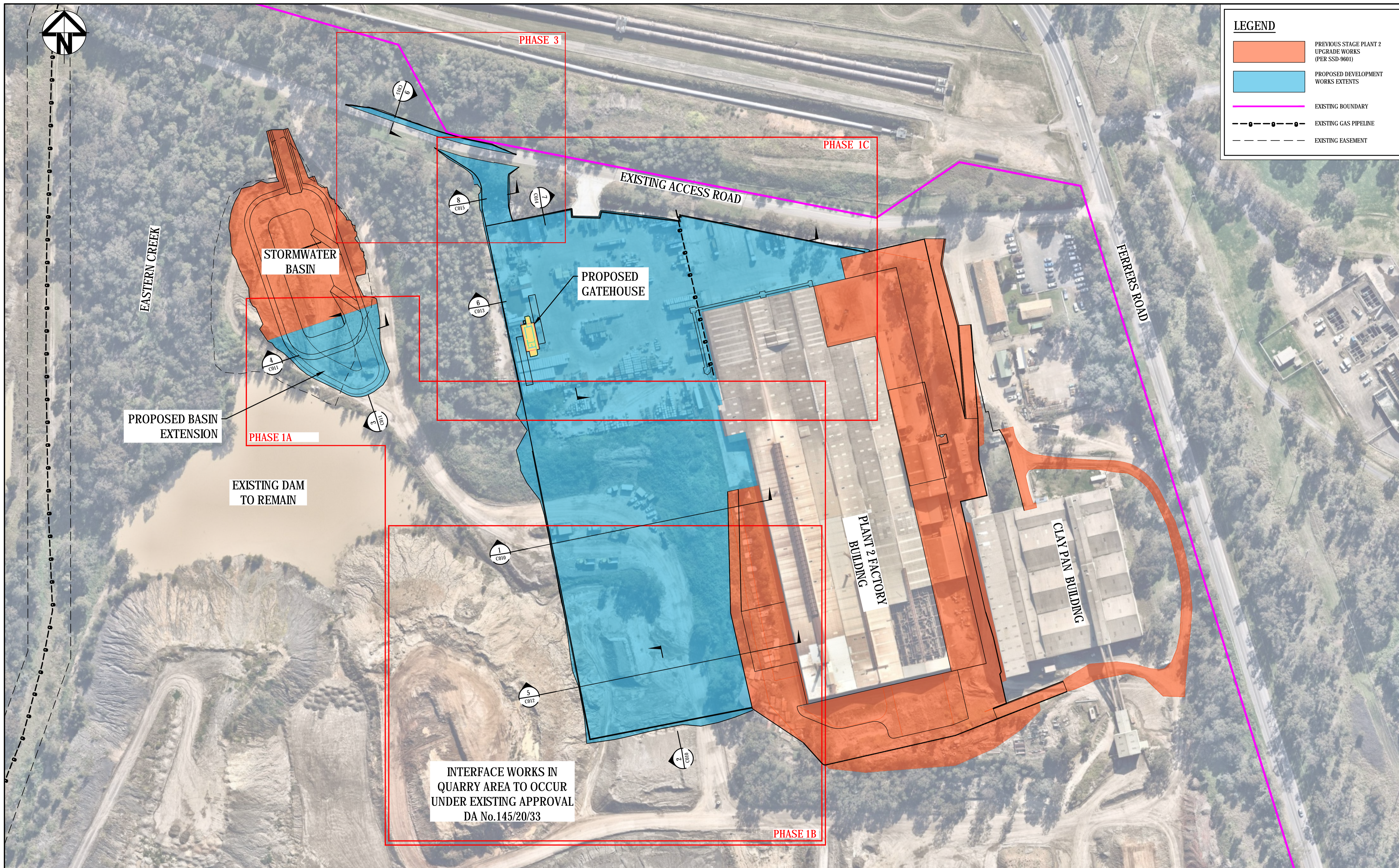
| DRAWING LIST - AT&L |                                                         |
|---------------------|---------------------------------------------------------|
| DRAWING NUMBER      | DRAWING DESCRIPTION                                     |
| C000                | COVERSHEET, LOCALITY PLAN AND DRAWING LIST              |
| C001                | GENERAL NOTES                                           |
| C002                | GENERAL ARRANGEMENT PLAN                                |
| C010                | SITE SECTIONS PHASE 1A SHEET 1                          |
| C011                | SITE SECTIONS PHASE 1A SHEET 2                          |
| C012                | SITE SECTIONS PHASE 1B                                  |
| C013                | SITE SECTIONS PHASE 1C SHEET 1                          |
| C014                | SITE SECTIONS PHASE 1C SHEET 2                          |
| C015                | SITE SECTIONS PHASE 3                                   |
| C020                | BULK EARTHWORKS PLAN PHASE 1A & 1B SHEET 1              |
| C021                | BULK EARTHWORKS PLAN PHASE 1A & 1B SHEET 2              |
| C022                | BULK EARTHWORKS PLAN PHASE 1C & PHASE 3                 |
| C030                | SITWORKS AND STORMWATER PLAN PHASE 1A SHEET 1           |
| C031                | SITWORKS AND STORMWATER PLAN PHASE 1A SHEET 2           |
| C032                | SITWORKS AND STORMWATER PLAN PHASE 1B                   |
| C033                | SITWORKS AND STORMWATER PLAN PHASE 1C                   |
| C034                | SITWORKS AND STORMWATER PLAN PHASE 3                    |
| C041                | PAVEMENT PLAN PHASE 1A                                  |
| C042                | PAVEMENT PLAN PHASE 1B                                  |
| C043                | PAVEMENT PLAN PHASE 1C                                  |
| C044                | PAVEMENT PLAN PHASE 3                                   |
| C060                | EROSION AND SEDIMENT CONTROL PLAN PHASE 1A & 1B SHEET 1 |
| C061                | EROSION AND SEDIMENT CONTROL PLAN PHASE 1A & 1B SHEET 2 |
| C062                | EROSION AND SEDIMENT CONTROL PLAN PHASE 1C              |
| C063                | EROSION AND SEDIMENT CONTROL PLAN PHASE 3               |
| C065                | EROSION AND SEDIMENT CONTROL DETAILS                    |



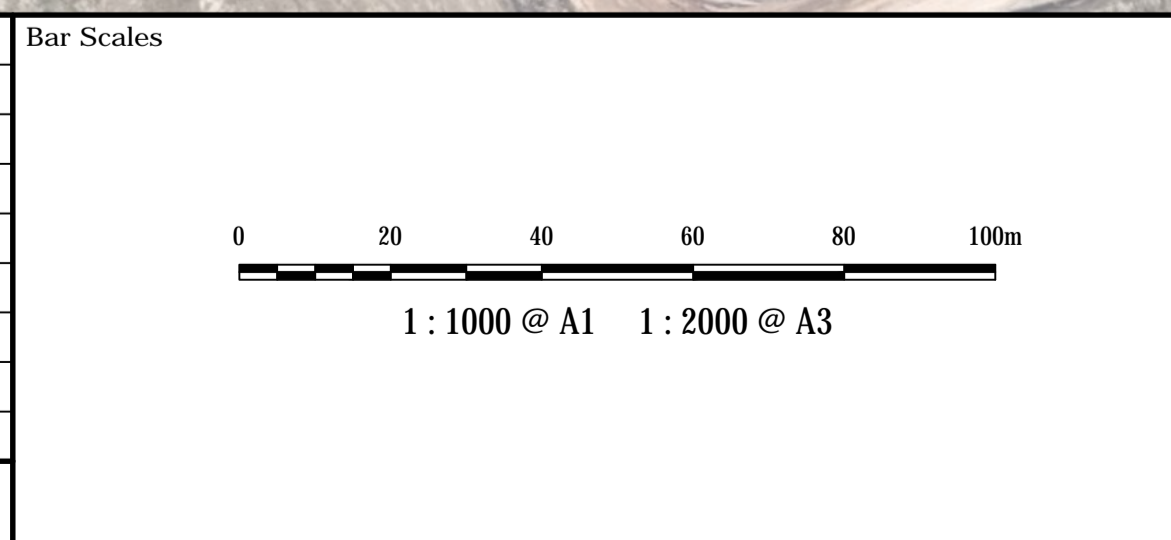
LOCALITY PLAN  
N.T.S

|                       |                                                     |                                                                                                                                                                             |    |                                                                                                                                                                                                                                                                                         |        |                                                                                                                                                                                          |        |                                      |    |                       |             |         |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |
|-----------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------|----|-----------------------|-------------|---------|------|-----|---------|----|--------------|-----|----------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------|-------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bar Scales            |                                                     | <p>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&amp;L</p> |    | <table border="1"> <tr><td>Scales</td><td>NA</td><td>Drawn</td><td>ALS</td></tr> <tr><td></td><td></td><td>Designed</td><td>ALS</td></tr> <tr><td>Grid</td><td>MGA</td><td>Checked</td><td>SH</td></tr> <tr><td>Height Datum</td><td>AHD</td><td>Approved</td><td>SH</td></tr> </table> | Scales | NA                                                                                                                                                                                       | Drawn  | ALS                                  |    |                       | Designed    | ALS     | Grid | MGA | Checked | SH | Height Datum | AHD | Approved | SH | <table border="1"> <tr><td>Project</td><td>BRICKWORKS HORSLEY PARK PLANT 2 HARDSTAND EXTENSION</td></tr> <tr><td>Title</td><td>COVERSHEET, LOCALITY PLAN AND DRAWING LIST</td></tr> </table> | Project | BRICKWORKS HORSLEY PARK PLANT 2 HARDSTAND EXTENSION | Title | COVERSHEET, LOCALITY PLAN AND DRAWING LIST | <p>Civil Engineers and Project Managers</p> <p>Level 7, 153 Walker Street<br/>North Sydney NSW 2060<br/>ABN 96 130 882 405<br/>Tel: 02 9439 1777<br/>Fax: 02 9923 1055<br/>www.atl.net.au<br/>info@atl.net.au</p> |
| Scales                | NA                                                  |                                                                                                                                                                             |    | Drawn                                                                                                                                                                                                                                                                                   | ALS    |                                                                                                                                                                                          |        |                                      |    |                       |             |         |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |
|                       |                                                     |                                                                                                                                                                             |    | Designed                                                                                                                                                                                                                                                                                | ALS    |                                                                                                                                                                                          |        |                                      |    |                       |             |         |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |
| Grid                  | MGA                                                 |                                                                                                                                                                             |    | Checked                                                                                                                                                                                                                                                                                 | SH     |                                                                                                                                                                                          |        |                                      |    |                       |             |         |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |
| Height Datum          | AHD                                                 | Approved                                                                                                                                                                    | SH |                                                                                                                                                                                                                                                                                         |        |                                                                                                                                                                                          |        |                                      |    |                       |             |         |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |
| Project               | BRICKWORKS HORSLEY PARK PLANT 2 HARDSTAND EXTENSION |                                                                                                                                                                             |    |                                                                                                                                                                                                                                                                                         |        |                                                                                                                                                                                          |        |                                      |    |                       |             |         |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |
| Title                 | COVERSHEET, LOCALITY PLAN AND DRAWING LIST          |                                                                                                                                                                             |    |                                                                                                                                                                                                                                                                                         |        |                                                                                                                                                                                          |        |                                      |    |                       |             |         |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |
| A                     | ISSUED FOR COORDINATION                             | 24-02-21                                                                                                                                                                    |    |                                                                                                                                                                                                                                                                                         |        |                                                                                                                                                                                          |        |                                      |    |                       |             |         |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |
| Issue                 | Description                                         | Date                                                                                                                                                                        |    |                                                                                                                                                                                                                                                                                         |        |                                                                                                                                                                                          |        |                                      |    |                       |             |         |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |
|                       |                                                     |                                                                                                                                                                             |    |                                                                                                                                                                                                                                                                                         |        | <table border="1"> <tr><td>Status</td><td>FOR INFORMATION NOT FOR CONSTRUCTION</td><td>A1</td></tr> <tr><td>Project - Drawing No.</td><td>C000 20-782</td><td>Issue A</td></tr> </table> | Status | FOR INFORMATION NOT FOR CONSTRUCTION | A1 | Project - Drawing No. | C000 20-782 | Issue A |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |
| Status                | FOR INFORMATION NOT FOR CONSTRUCTION                | A1                                                                                                                                                                          |    |                                                                                                                                                                                                                                                                                         |        |                                                                                                                                                                                          |        |                                      |    |                       |             |         |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |
| Project - Drawing No. | C000 20-782                                         | Issue A                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                                         |        |                                                                                                                                                                                          |        |                                      |    |                       |             |         |      |     |         |    |              |     |          |    |                                                                                                                                                                                              |         |                                                     |       |                                            |                                                                                                                                                                                                                   |





| Issue | Description             | Date     |
|-------|-------------------------|----------|
| B     | ISSUED FOR COORDINATION | 03-03-21 |
| A     | ISSUED FOR COORDINATION | 24-02-21 |



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Client

|              |        |          |     |
|--------------|--------|----------|-----|
| Scale        | 1:1000 | Drawn    | ALS |
|              |        | Designed | ALS |
| Grid         | MGA    | Checked  | SH  |
| Height Datum | AHD    | Approved | SH  |

Project

**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

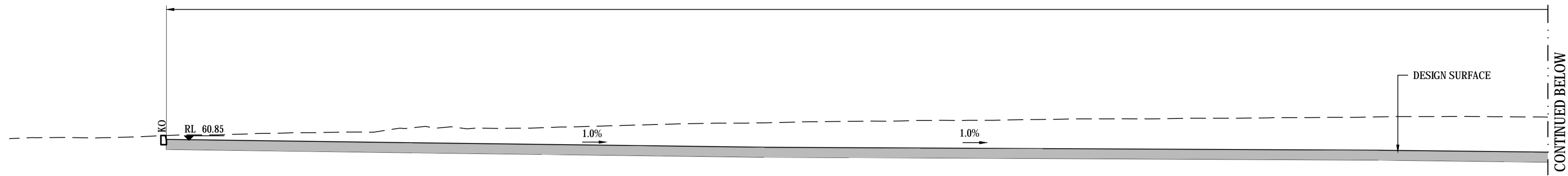
Title

**GENERAL ARRANGEMENT  
PLAN**

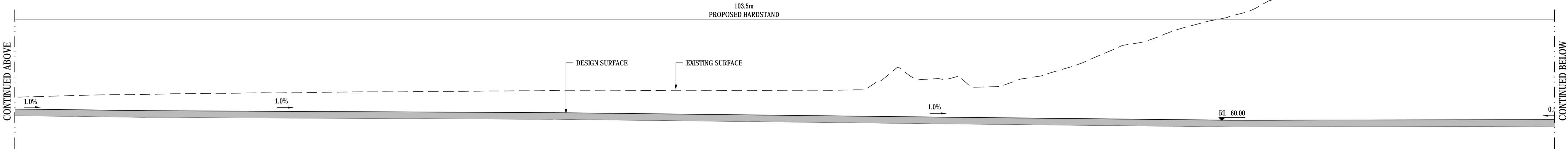
Civil Engineers and Project Managers

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North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

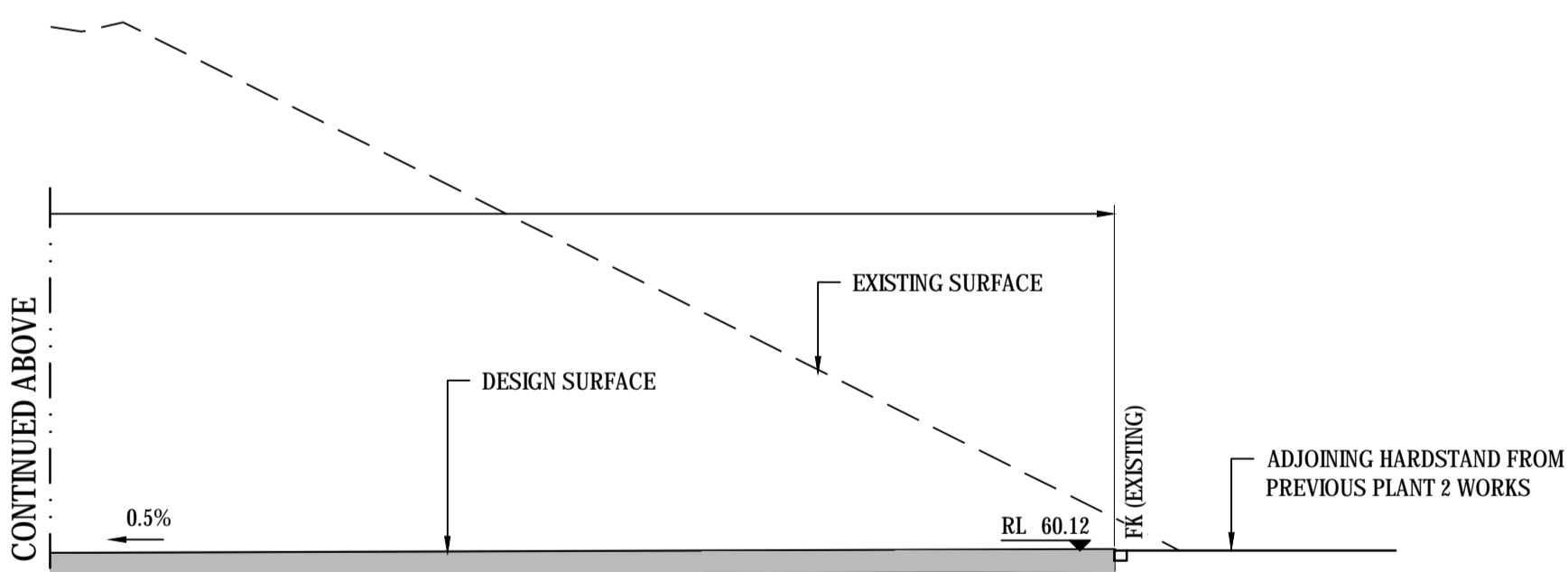
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| Status                | <b>FOR INFORMATION<br/>NOT FOR CONSTRUCTION</b> | A1    |
| Project - Drawing No. | C002    20-782                                  | Issue |
|                       |                                                 | B     |



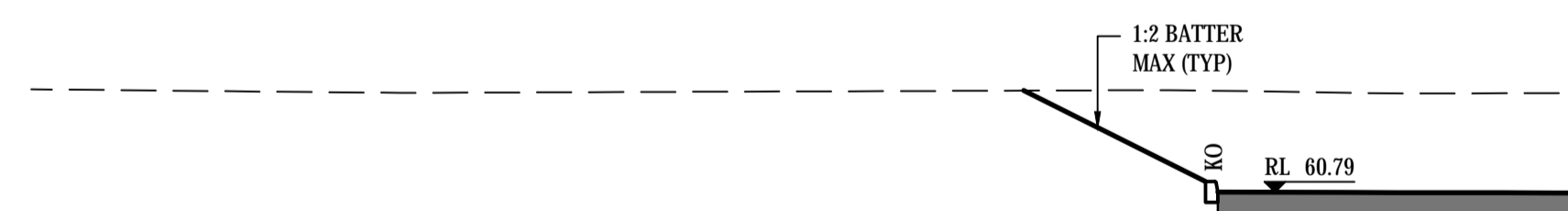
SECTION 1  
1:100



SECTION 1  
1:100

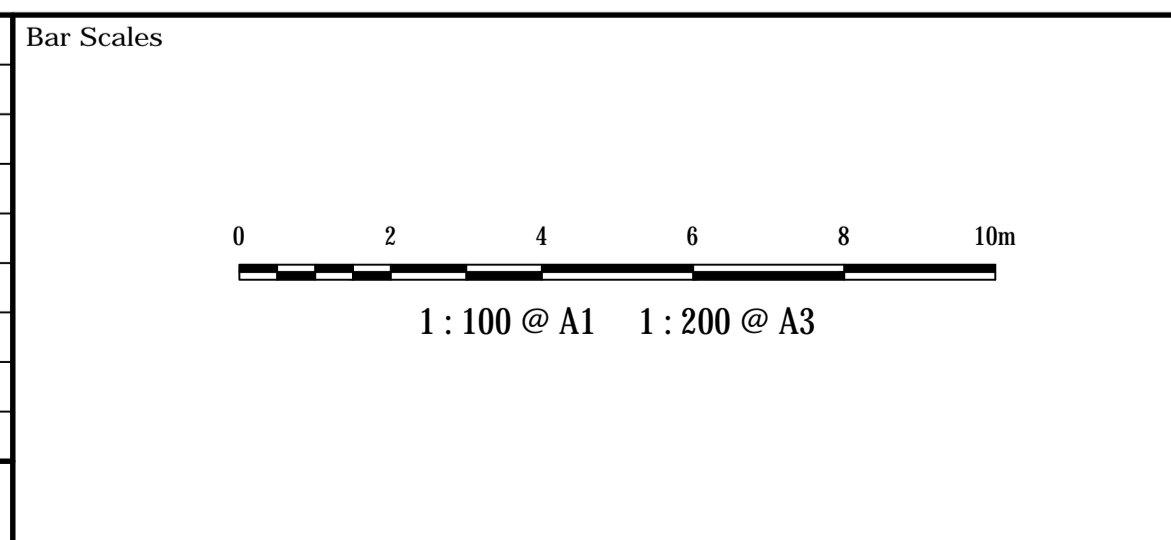


SECTION 1  
1:100



SECTION 2  
1:100

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |



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|              |       |          |     |
|--------------|-------|----------|-----|
| Scales       | 1:100 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

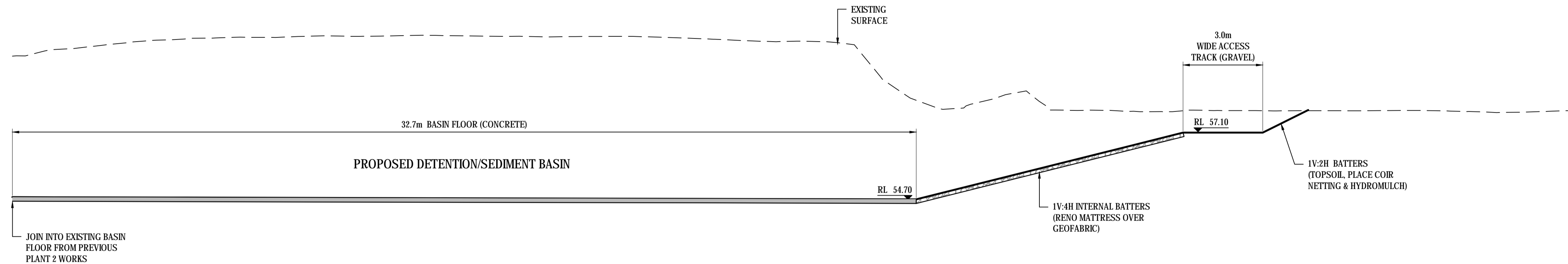
Project  
**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

Title  
**SITE SECTIONS  
PHASE 1A  
SHEET 1**

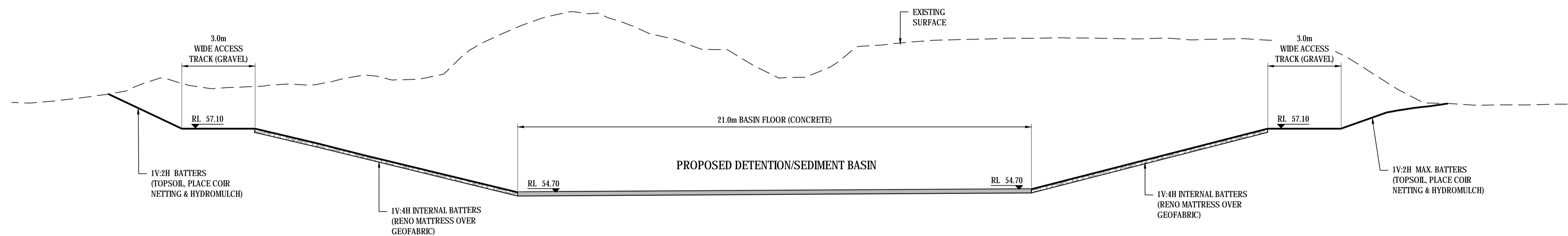
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info@atl.net.au

|                       |                                                 |          |
|-----------------------|-------------------------------------------------|----------|
| Status                | <b>FOR INFORMATION<br/>NOT FOR CONSTRUCTION</b> | A1       |
| Project - Drawing No. | <b>C010 20-782</b>                              | Issue    |
|                       |                                                 | <b>A</b> |

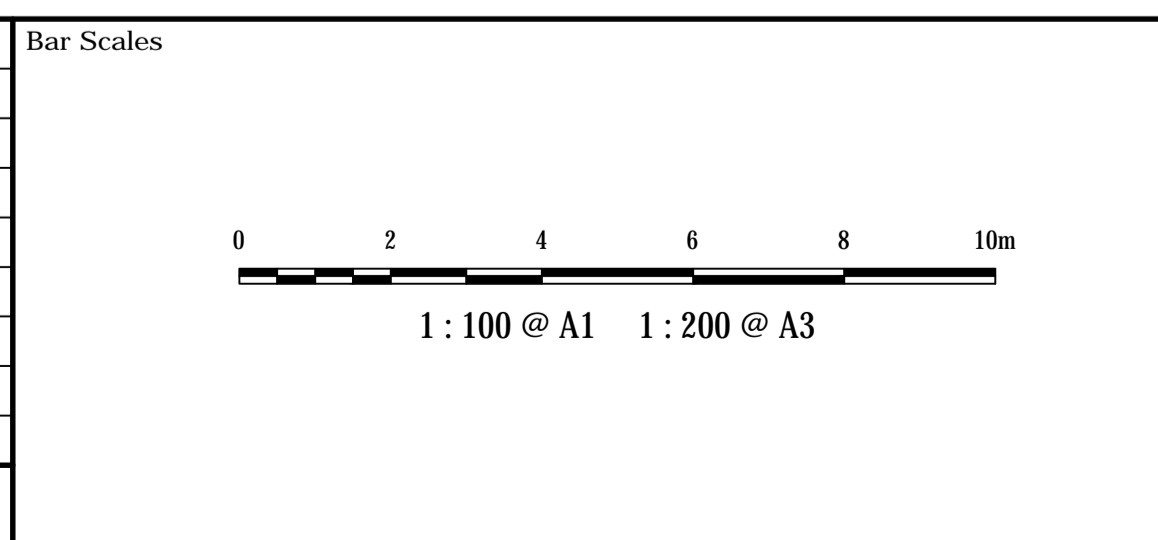


SECTION 3  
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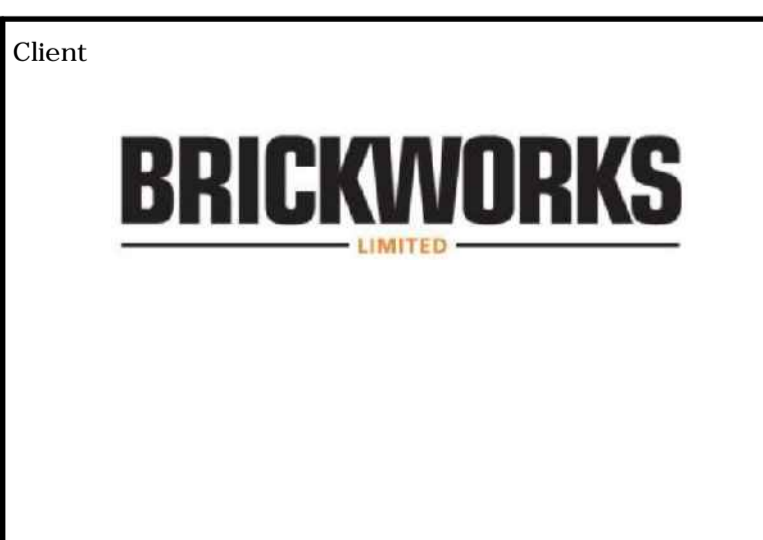


SECTION 4  
1 : 100

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |



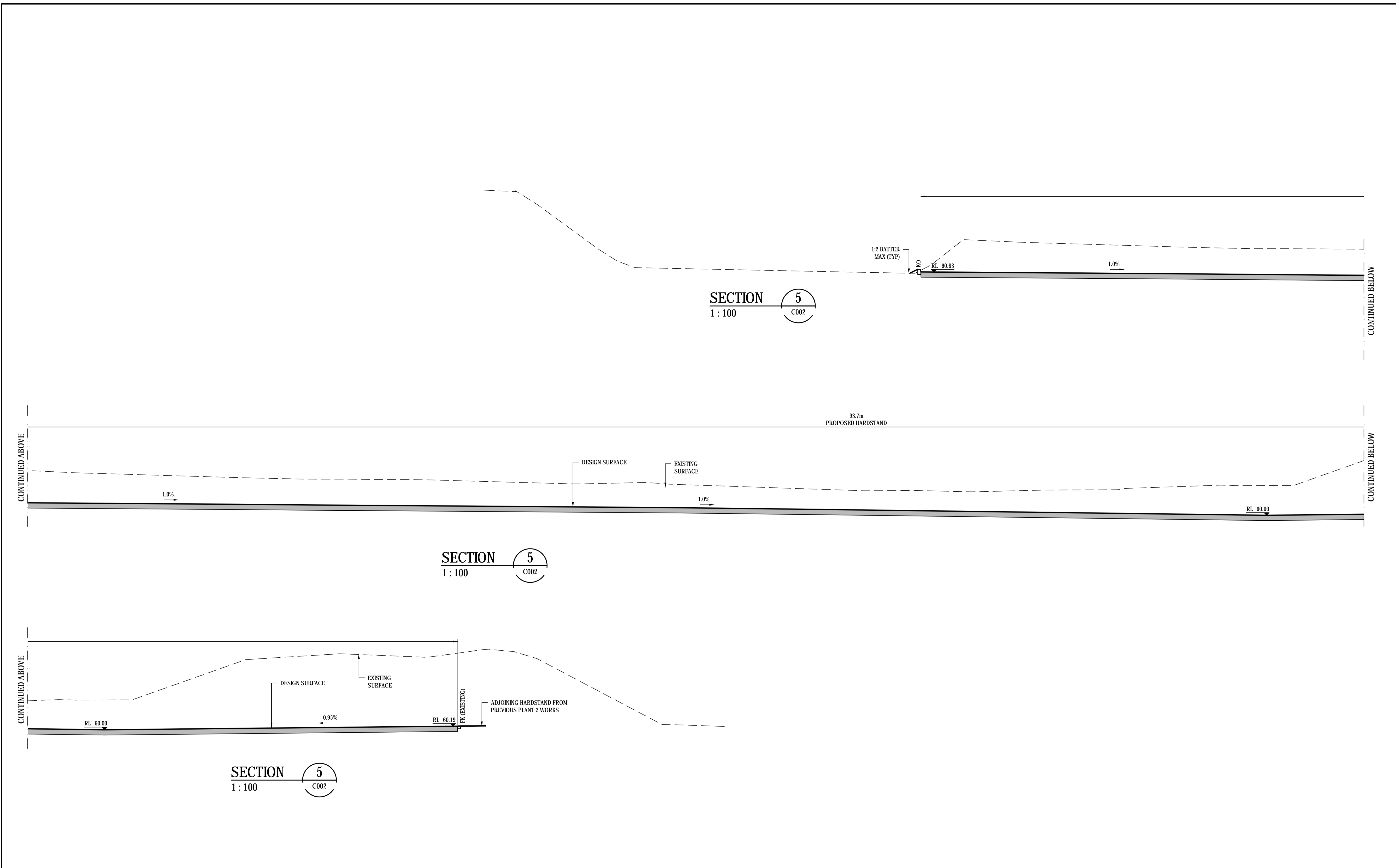
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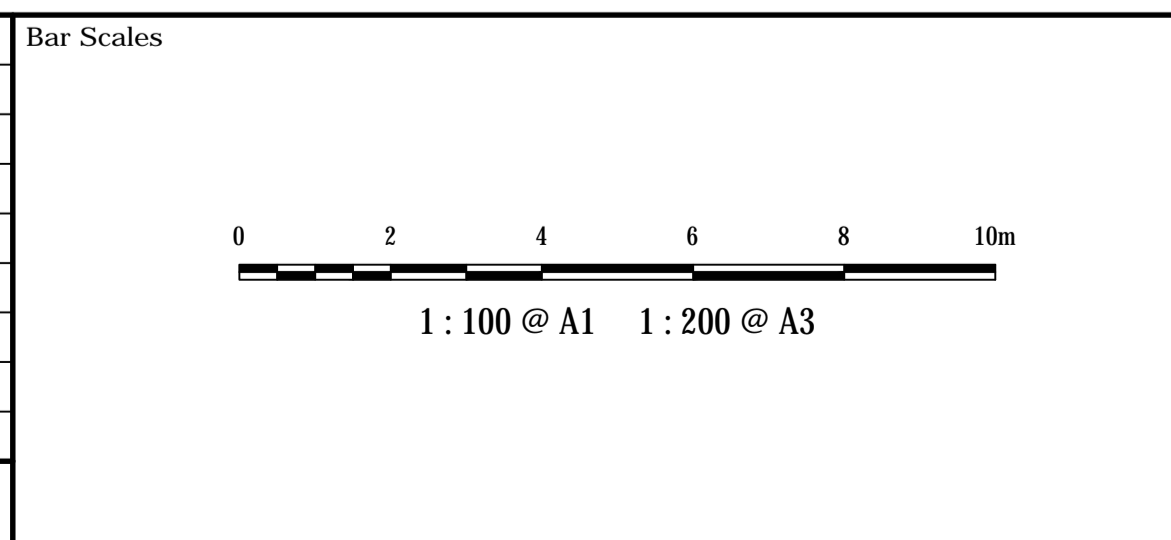
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| Client       |       |          |     |
| Scales       | 1:100 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

|         |                                                              |
|---------|--------------------------------------------------------------|
| Project | BRICKWORKS<br>HORSLEY PARK<br>PLANT 2 HARDSTAND<br>EXTENSION |
| Title   | SITE SECTIONS<br>PHASE 1A<br>SHEET 2                         |

|                                                                                                                                                          |                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Civil Engineers and Project Managers                                                                                                                     |                                         |
| <b>at&amp;l</b>                                                                                                                                          |                                         |
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| Status                                                                                                                                                   | FOR INFORMATION<br>NOT FOR CONSTRUCTION |
| Project - Drawing No.                                                                                                                                    | C011 20-782                             |
| Issue                                                                                                                                                    | A                                       |



| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |



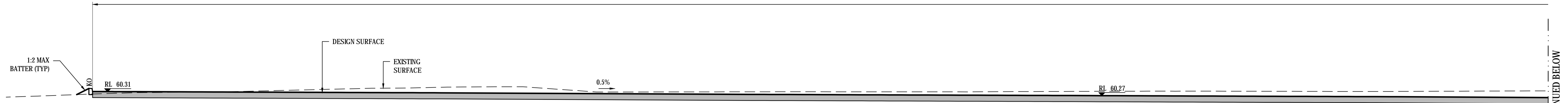
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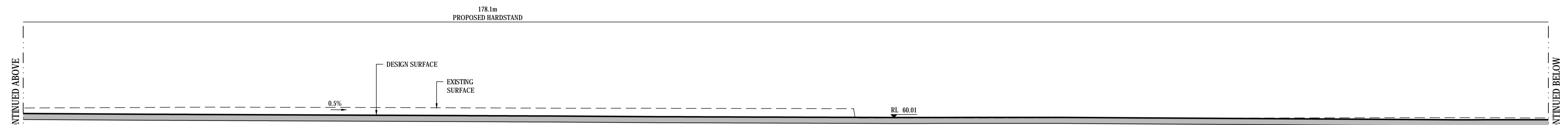
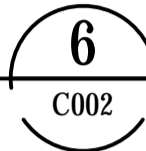
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|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

|         |                                                                        |
|---------|------------------------------------------------------------------------|
| Project | <b>BRICKWORKS<br/>HORSLEY PARK<br/>PLANT 2 HARDSTAND<br/>EXTENSION</b> |
| Title   | <b>SITE SECTIONS<br/>PHASE 1B</b>                                      |

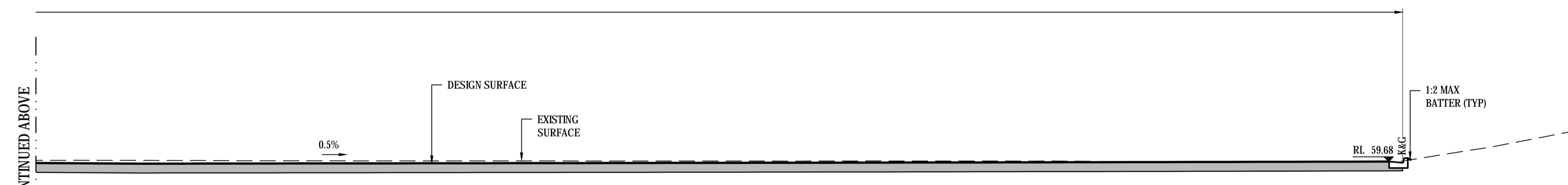
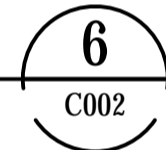
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|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Civil Engineers and Project Managers                                                                                                                     |                                                 |
| <b>at&amp;l</b>                                                                                                                                          |                                                 |
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| Status                                                                                                                                                   | <b>FOR INFORMATION<br/>NOT FOR CONSTRUCTION</b> |
| Project - Drawing No.                                                                                                                                    | <b>C012 20-782</b>                              |
| Issue                                                                                                                                                    | <b>A</b>                                        |



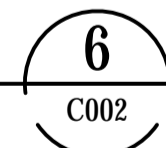
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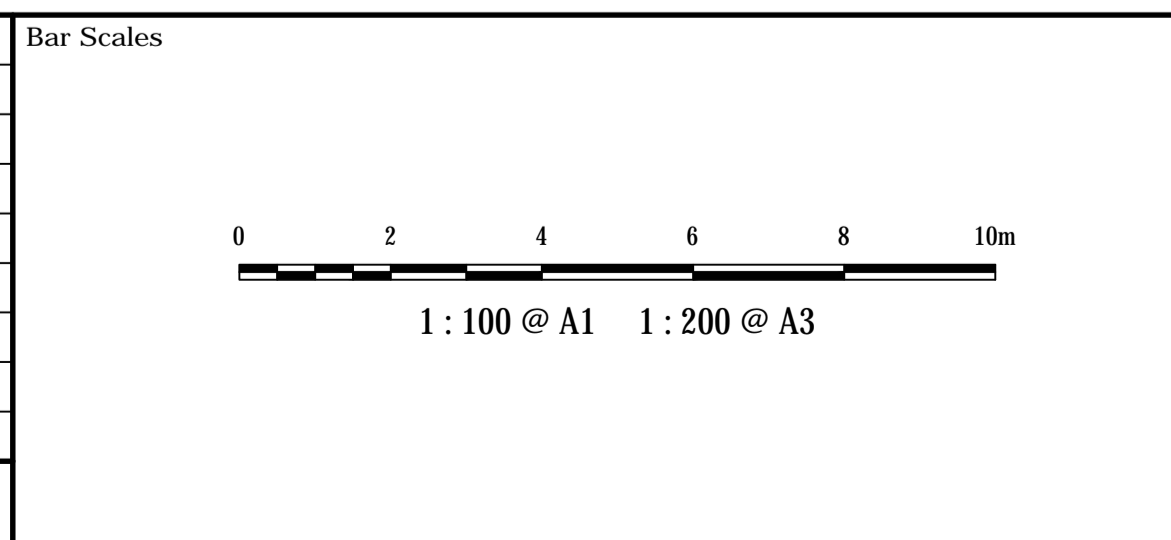
SECTION 6  
1 : 100



SECTION 6  
1 : 100



| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |



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|--------------|-------|----------|-----|
| Scales       | 1:100 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

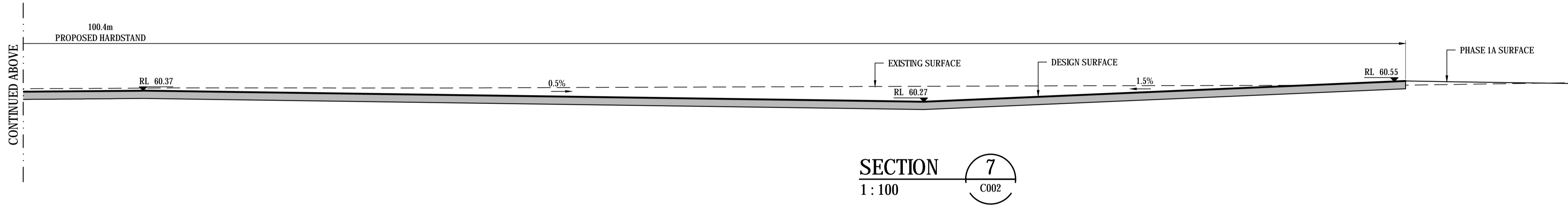
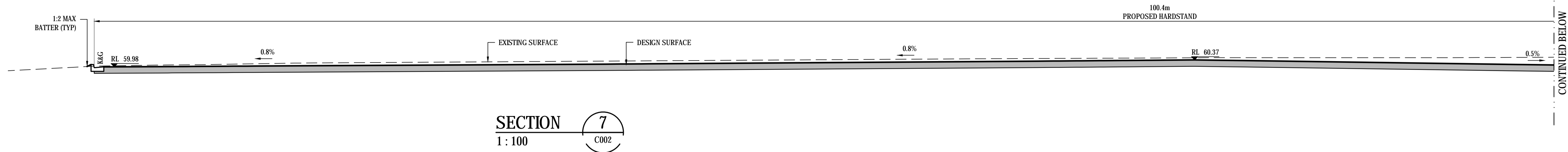
Project  
**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

Title  
**SITE SECTIONS  
PHASE 1C  
SHEET 1**

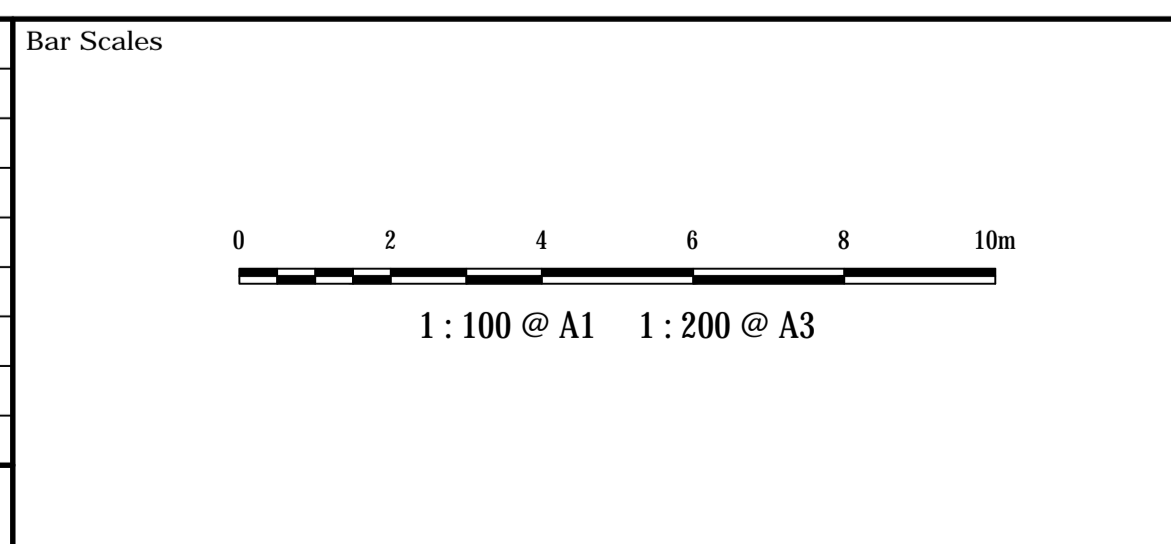
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info@atl.net.au

|                       |                                                 |            |
|-----------------------|-------------------------------------------------|------------|
| Status                | <b>FOR INFORMATION<br/>NOT FOR CONSTRUCTION</b> | A1         |
| Project - Drawing No. | C013 20-782                                     | Issue<br>A |



| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |



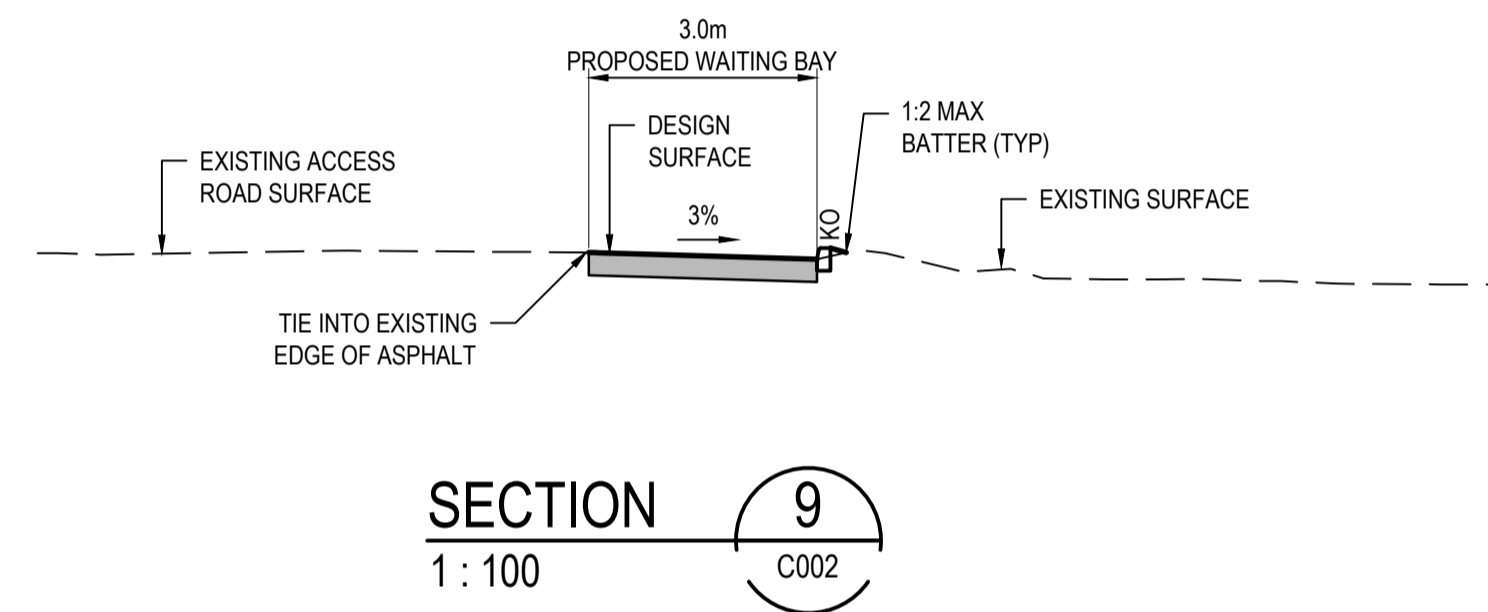
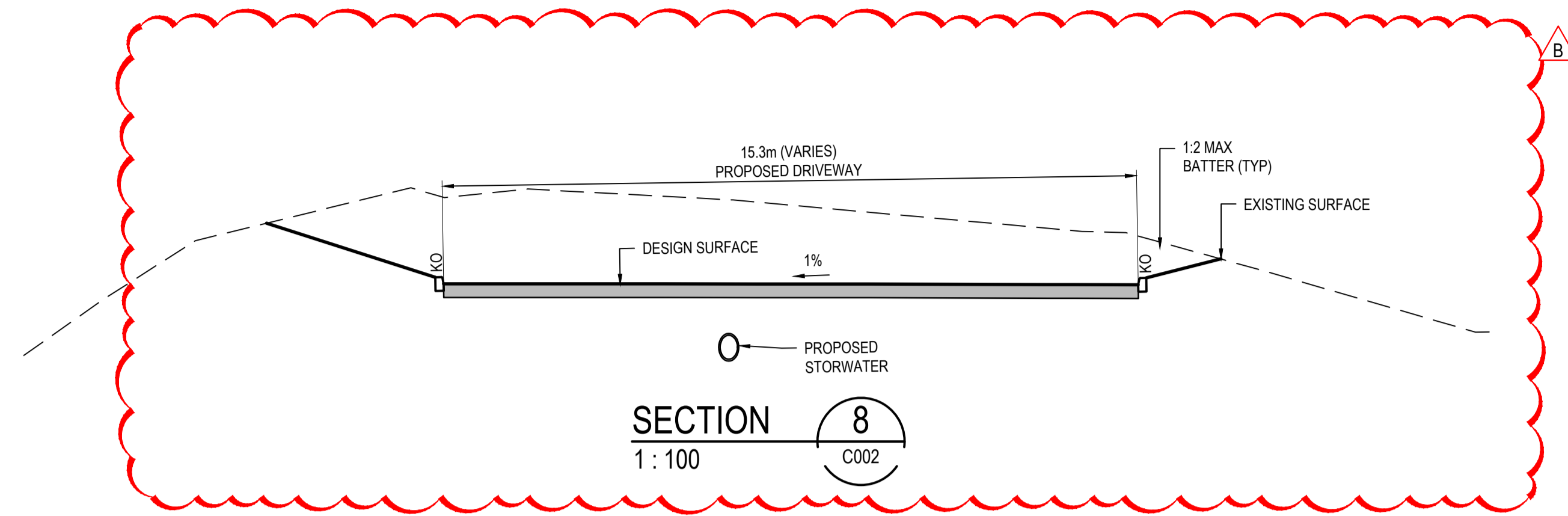
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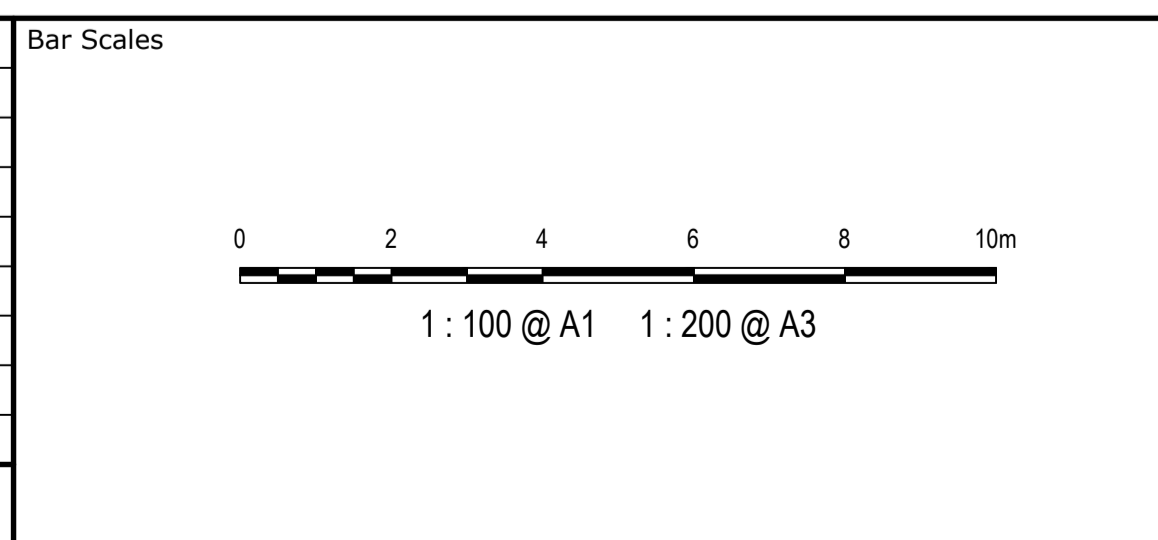
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| Scales       | 1:100 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

|         |                                                              |
|---------|--------------------------------------------------------------|
| Project | BRICKWORKS<br>HORSLEY PARK<br>PLANT 2 HARDSTAND<br>EXTENSION |
| Title   | SITE SECTIONS<br>PHASE 1C<br>SHEET 2                         |

|                                                                                                                                                          |                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Civil Engineers and Project Managers                                                                                                                     |                                         |
| <b>at&amp;l</b>                                                                                                                                          |                                         |
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| Status                                                                                                                                                   | FOR INFORMATION<br>NOT FOR CONSTRUCTION |
| Project - Drawing No.                                                                                                                                    | C014    20-782                          |
| Issue                                                                                                                                                    | A1                                      |



| Issue | Description             | Date     |
|-------|-------------------------|----------|
| B     | SECTION 8 UPDATED       | 22-02-22 |
| A     | ISSUED FOR COORDINATION | 24-02-21 |



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|              |       |          |     |
|--------------|-------|----------|-----|
| Scales       | 1:100 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

|         |                                                              |
|---------|--------------------------------------------------------------|
| Project | BRICKWORKS<br>HORSLEY PARK<br>PLANT 2 HARDSTAND<br>EXTENSION |
| Title   | SITE SECTIONS<br>PHASE 3                                     |

|                                                                                                                                                          |                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Civil Engineers and Project Managers                                                                                                                     |                                         |
|                                                                                                                                                          |                                         |
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| Status                                                                                                                                                   | FOR INFORMATION<br>NOT FOR CONSTRUCTION |
| Project - Drawing No.                                                                                                                                    | C015 20-782                             |
| Issue                                                                                                                                                    | B                                       |



EXISTING QUARRY DAM

BATTER 1V:2H MAX

PHASE 1A YARD  
1.21ha

PHASE 1B YARD  
0.81ha

INTERFACE WORKS IN QUARRY AREA TO OCCUR UNDER EXISTING APPROVAL DA No.145/20/33

INTERFACE WORKS IN QUARRY AREA TO OCCUR UNDER EXISTING APPROVAL DA No.145/20/33

EXISTING STOCKPILE

PLANT 2 HARDSTAND (UNDER CONSTRUCTION)

BATTER 1V:2H MAX

EXISTING QUARRY ACCESS ROAD

**EARTHWORKS CUT/FILL LEGEND**

| Lower_value | Upper_value | Colour |
|-------------|-------------|--------|
| -11         | to -3.5     | m      |
| -3.5        | to -3       | m      |
| -3          | to -2.5     | m      |
| -2.5        | to -2       | m      |
| -2          | to -1.5     | m      |
| -1.5        | to -1       | m      |
| -1          | to -0.5     | m      |
| -0.5        | to 0.00     | m      |
| 0.000       | to .5       | m      |
| .5          | to 1.0      | m      |
| 1.0         | to 1.5      | m      |
| 1.5         | to 2        | m      |
| 2           | to 2.5      | m      |
| 2.5         | to 3        | m      |
| 3           | to 3.5      | m      |
| 3.5         | to 5        | m      |

**NOTES**

- EARTHWORKS VOLUMES ARE APPROXIMATE ONLY AND DO NOT TAKE INTO ACCOUNT THE FOLLOWING:
  - TOPSOIL STRIPPING
  - BULKING FACTORS OF REMOVED CUT
  - SERVICES & UTILITIES TRENCH SPOIL
  - REMOVAL AND/OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
  - PROPOSED LANDSCAPING
- FOR THE PURPOSES OF EARTHWORKS ANALYSIS A 300mm DEPTH HAS BEEN ASSUMED FOR ALL PAVEMENT AREAS.

**EARTHWORKS VOLUMES**

| ITEM                       | NET CUT VOLUME (m3) | NET FILL VOLUME (m3) | BALANCE VOLUME (m3) |
|----------------------------|---------------------|----------------------|---------------------|
| PHASE 1A & 1B AREA         | -53,324             | 226                  | -53,098             |
| PHASE 1C AREA              | -7,754              | 8                    | -7,746              |
| PHASE 3 AREA               | -258                | 1                    | -257                |
| DETENTION \ SEDIMENT BASIN | -2,443              | 74                   | -2,369              |
| TOTALS                     | -63,779             | 309                  | -63,470             |

**LEGEND**

- 60.3— PROPOSED BULK EARTH WORKS CONTOUR
- -65.2 - - EXISTING SURFACE CONTOUR
- — — PROPERTY BOUNDARY

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |

Bar Scales

1 : 500 @ A1    1 : 1000 @ A3

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Client

|              |       |          |     |
|--------------|-------|----------|-----|
| Scales       | 1:500 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

Project

**BRICKWORKS HORSLEY PARK PLANT 2 HARDSTAND EXTENSION**

Title

**BULK EARTHWORKS PLAN PHASE 1A & 1B SHEET 1**

Civil Engineers and Project Managers

Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atf.net.au  
info@atf.net.au

|                       |                                      |       |
|-----------------------|--------------------------------------|-------|
| Status                | FOR INFORMATION NOT FOR CONSTRUCTION | A1    |
| Project - Drawing No. | C020 20-782                          | Issue |
|                       |                                      | A     |



**EARTHWORKS CUT/FILL LEGEND**

| Lower_value | Upper_value | Colour |               |
|-------------|-------------|--------|---------------|
| -11         | to -3.5     | m      | [Red]         |
| -3.5        | to -3       | m      | [Red]         |
| -3          | to -2.5     | m      | [Red]         |
| -2.5        | to -2       | m      | [Red]         |
| -2          | to -1.5     | m      | [Red]         |
| -1.5        | to -1       | m      | [Red]         |
| -1          | to -0.5     | m      | [Red]         |
| -0.5        | to 0.00     | m      | [Red]         |
| 0.000       | to .5       | m      | [Light Green] |
| .5          | to 1.0      | m      | [Light Green] |
| 1.0         | to 1.5      | m      | [Light Green] |
| 1.5         | to 2        | m      | [Light Green] |
| 2           | to 2.5      | m      | [Light Green] |
| 2.5         | to 3        | m      | [Light Green] |
| 3           | to 3.5      | m      | [Light Green] |
| 3.5         | to 5        | m      | [Light Green] |

**NOTES**

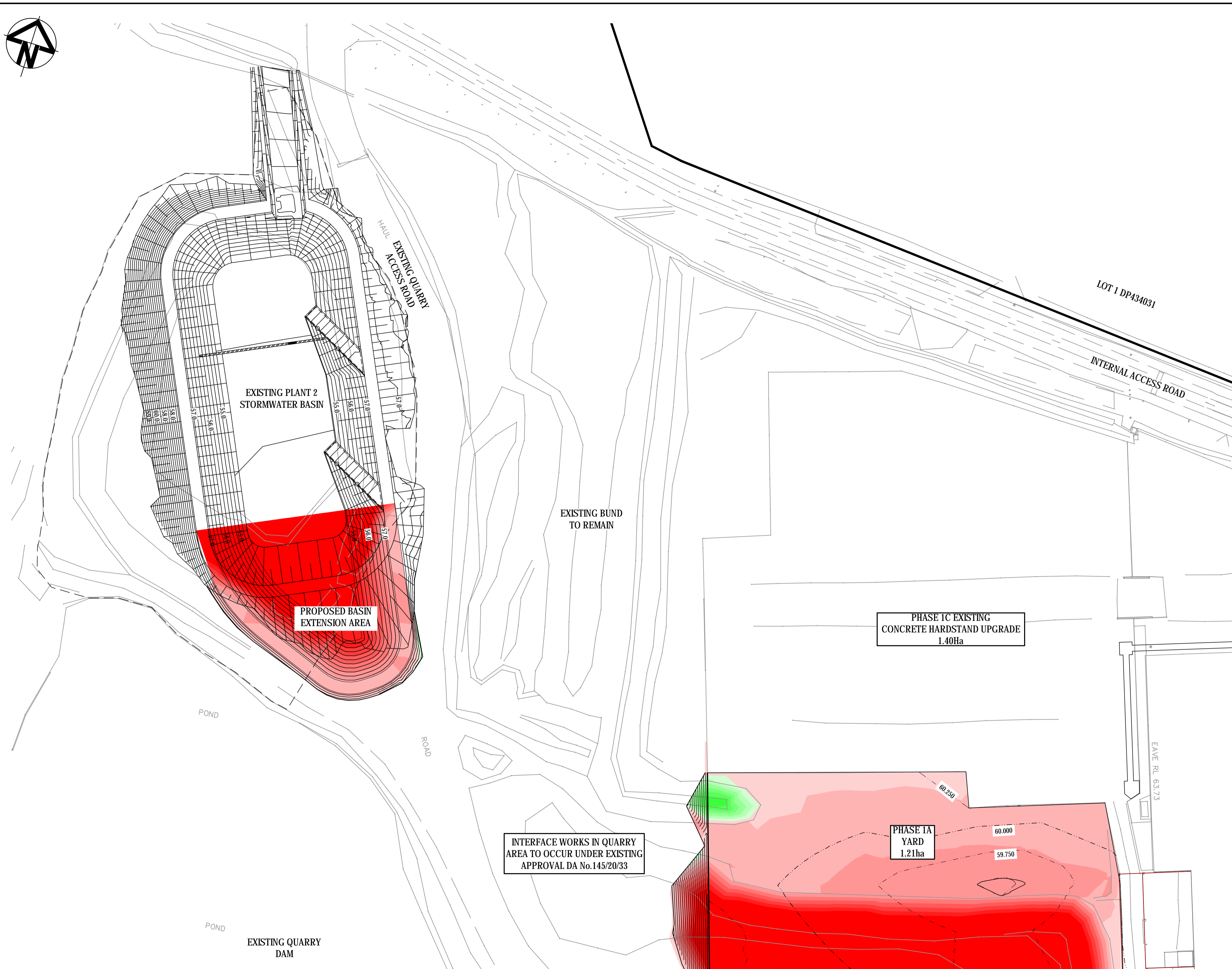
- EARTHWORKS VOLUMES ARE APPROXIMATE ONLY AND DO NOT TAKE INTO ACCOUNT THE FOLLOWING:
  - TOPSOIL STRIPPING
  - BULKING FACTORS OF REMOVED CUT
  - SERVICES & UTILITIES TRENCH SPOIL
  - REMOVAL AND/OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
  - PROPOSED LANDSCAPING
- FOR THE PURPOSES OF EARTHWORKS ANALYSIS A 300mm DEPTH HAS BEEN ASSUMED FOR ALL PAVEMENT AREAS.

**EARTHWORKS VOLUMES**

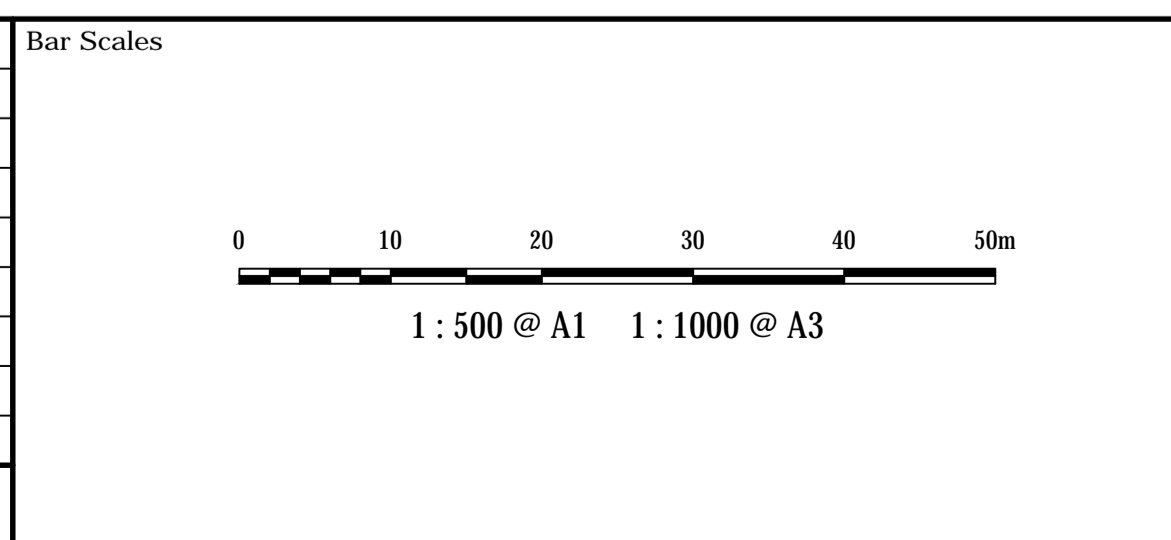
| ITEM                       | NET CUT VOLUME (m3) | NET FILL VOLUME (m3) | BALANCE VOLUME (m3) |
|----------------------------|---------------------|----------------------|---------------------|
| PHASE 1A & 1B AREA         | -53,324             | 226                  | -53,098             |
| PHASE 1C AREA              | -7,754              | 8                    | -7,746              |
| PHASE 3 AREA               | -258                | 1                    | -257                |
| DETENTION \ SEDIMENT BASIN | -2,443              | 74                   | -2,369              |
| <b>TOTALS</b>              | <b>-63,779</b>      | <b>309</b>           | <b>-63,470</b>      |

**LEGEND**

- 60.3 — PROPOSED BULK EARTH WORKS CONTOUR
- - - 65.2 - - - EXISTING SURFACE CONTOUR
- — — PROPERTY BOUNDARY



| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |



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Client

|              |       |          |     |
|--------------|-------|----------|-----|
| Scale        | 1:500 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

Project

**BRICKWORKS HORSLEY PARK PLANT 2 HARDSTAND EXTENSION**

Title

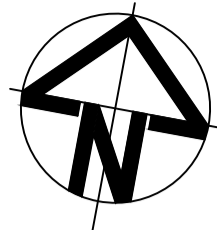
**BULK EARTHWORKS PLAN PHASE 1A & 1B SHEET 2**

Civil Engineers and Project Managers

Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

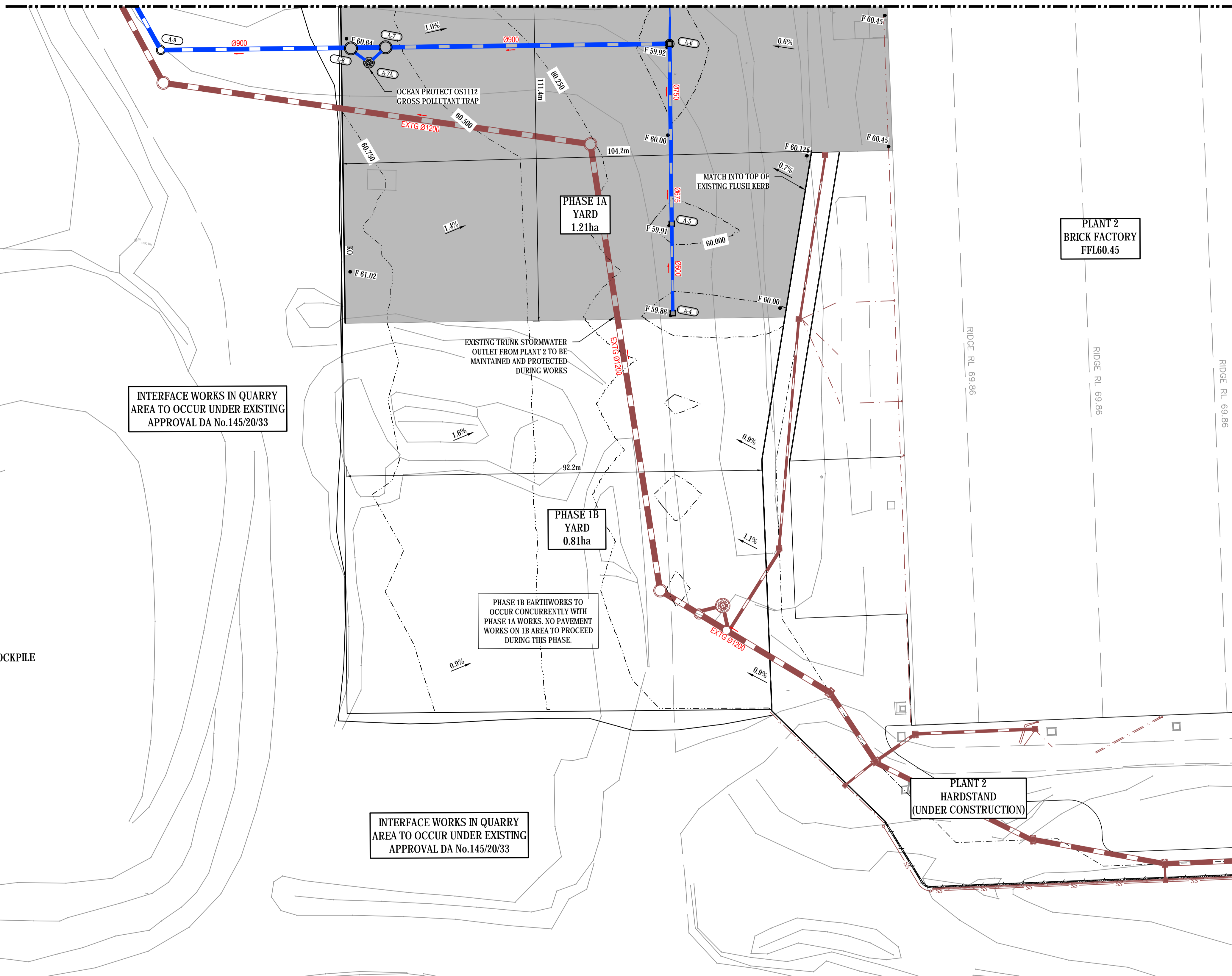
|                       |                                      |       |
|-----------------------|--------------------------------------|-------|
| Status                | FOR INFORMATION NOT FOR CONSTRUCTION | A1    |
| Project - Drawing No. | C021 20-782                          | Issue |
|                       |                                      | A     |





EXISTING QUARRY DAM

SEE DWG C031 FOR CONTINUATION



INTERFACE WORKS IN QUARRY AREA TO OCCUR UNDER EXISTING APPROVAL DA No.145/20/33

PHASE 1B EARTHWORKS TO OCCUR CONCURRENTLY WITH PHASE 1A WORKS. NO PAVEMENT WORKS ON 1B AREA TO PROCEED DURING THIS PHASE.

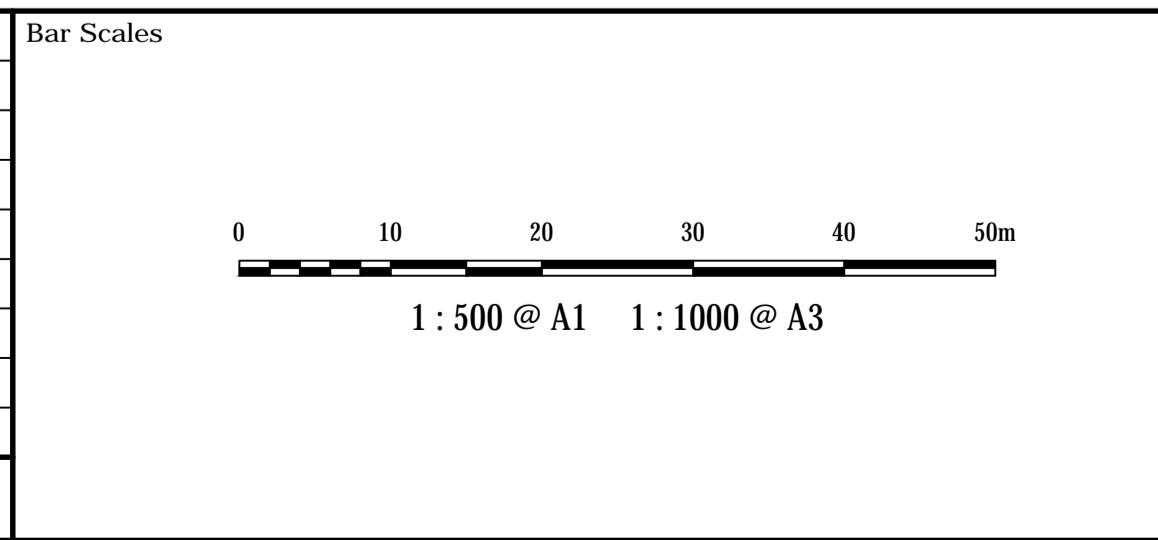
INTERFACE WORKS IN QUARRY AREA TO OCCUR UNDER EXISTING APPROVAL DA No.145/20/33

PLANT 2 HARDSTAND (UNDER CONSTRUCTION)

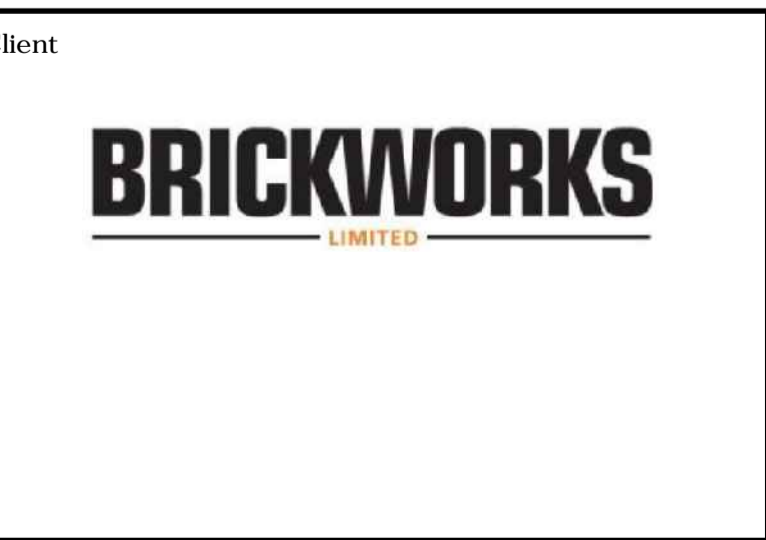
LEGEND

- EXTENT OF PHASE PAVEMENT WORKS
- PROPERTY BOUNDARY
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- EXISTING STORMWATER TO BE REMOVED
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER ACCESS MANHOLE
- PROPOSED STORMWATER QUALITY TREATMENT DEVICE
- PROPOSED STORMWATER OUTLET HEADWALL WITH SCOUR PROTECTION
- PROPOSED 300 WIDE HEAVY DUTY GRATED TRENCH DRAIN
- FINISHED SURFACE LEVEL
- EXISTING SURFACE LEVEL
- PROPOSED INVERT LEVEL
- PROPOSED GRADE
- PROPOSED KERB ONLY
- PROPOSED KERB & GUTTER
- PROPOSED FLUSH KERB
- PROPOSED BOLLARDS (140mm DIA)
- PROPOSED GUARDRAIL BARRIER
- PROPOSED CHAIN WIRE FENCE (1.8m HIGH)
- PROPOSED FINISHED SURFACE CONTOUR
- EXISTING SURFACE CONTOUR

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |



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|--------|--------------|-----|----------|-----|
| Client | Scales 1:500 |     | Drawn    | ALS |
|        |              |     | Designed | ALS |
|        |              |     | Checked  | SH  |
|        |              |     | Approved | SH  |
|        | Grid         | MGA |          |     |
|        | Height Datum | AHD |          |     |

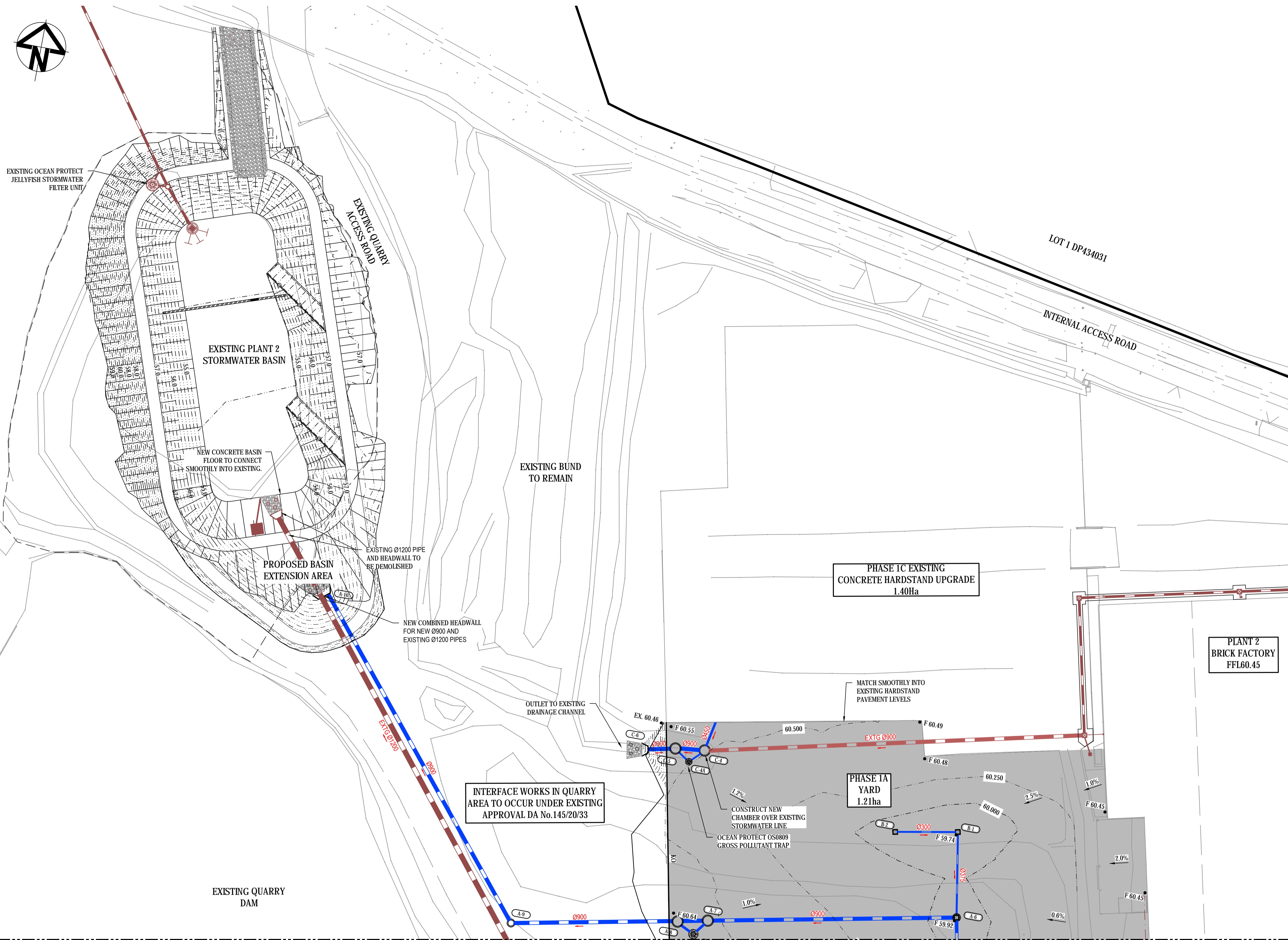
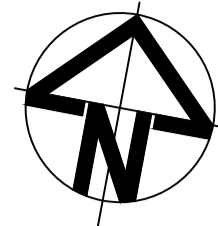
Project  
**BRICKWORKS HORSLEY PARK PLANT 2 HARDSTAND EXTENSION**

Title  
**PAVEMENT GRADING & STORMWATER DRAINAGE PLAN PHASE 1A SHEET 1**

Civil Engineers and Project Managers

Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atf.net.au  
info@atf.net.au

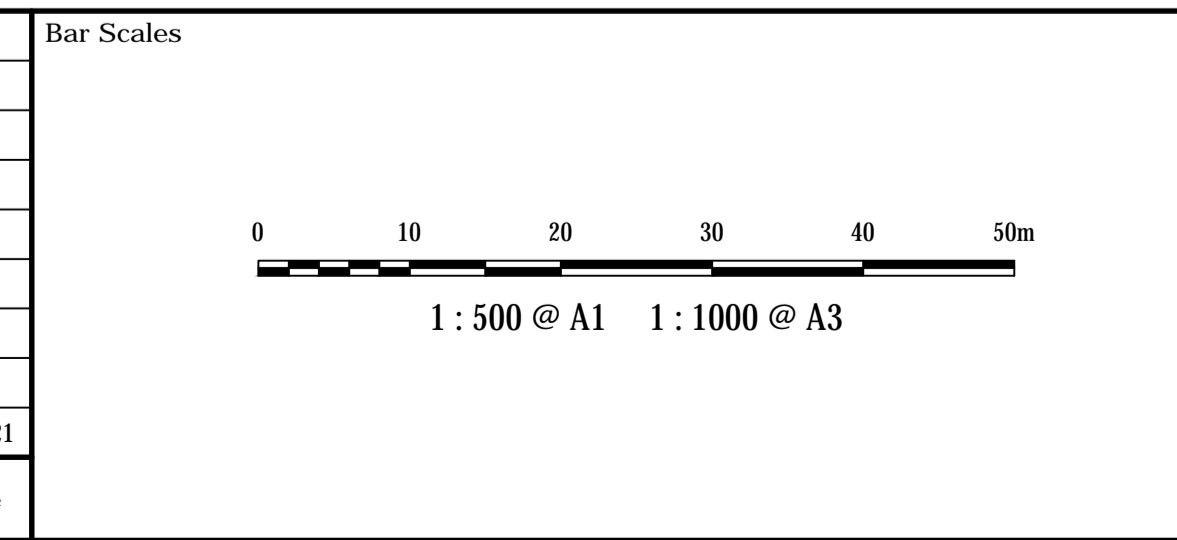
|                       |                                      |       |
|-----------------------|--------------------------------------|-------|
| Status                | FOR INFORMATION NOT FOR CONSTRUCTION | A1    |
| Project - Drawing No. | C030 20-782                          | Issue |
|                       |                                      | A     |



| LEGEND |                                                           |
|--------|-----------------------------------------------------------|
|        | EXTENT OF PHASE PAVEMENT WORKS                            |
|        | PROPERTY BOUNDARY                                         |
|        | PROPOSED STORMWATER PIPE                                  |
|        | EXISTING STORMWATER PIPE                                  |
|        | EXISTING STORMWATER TO BE REMOVED                         |
|        | PROPOSED STORMWATER SURFACE INLET PIT                     |
|        | PROPOSED STORMWATER JUNCTION PIT                          |
|        | PROPOSED STORMWATER ACCESS MANHOLE                        |
|        | PROPOSED STORMWATER QUALITY TREATMENT DEVICE              |
|        | PROPOSED STORMWATER OUTLET HEADWALL WITH SCOUR PROTECTION |
|        | PROPOSED 300 WIDE HEAVY DUTY GRATED TRENCH DRAIN          |
|        | FINISHED SURFACE LEVEL                                    |
|        | EXISTING SURFACE LEVEL                                    |
|        | PROPOSED INVERT LEVEL                                     |
|        | PROPOSED GRADE                                            |
|        | PROPOSED KERB ONLY                                        |
|        | PROPOSED KERB & GUTTER                                    |
|        | PROPOSED FLUSH KERB                                       |
|        | PROPOSED BOLLARDS (140mm DIA)                             |
|        | PROPOSED GUARDRAIL BARRIER                                |
|        | PROPOSED CHAIN WIRE FENCE (1.8m HIGH)                     |
|        | PROPOSED FINISHED SURFACE CONTOUR                         |
|        | EXISTING SURFACE CONTOUR                                  |

SEE DWG C030 FOR CONTINUATION

| Issue | Description             | Date     |
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| A     | ISSUED FOR COORDINATION | 24-02-21 |



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Client

|              |       |          |     |
|--------------|-------|----------|-----|
| Scales       | 1:500 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

Project

**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

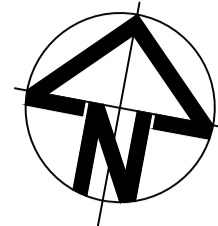
Title

**PAVEMENT GRADING &  
STORMWATER DRAINAGE  
PLAN  
PHASE 1A SHEET 2**

Civil Engineers and Project Managers

Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

|                       |                                         |       |
|-----------------------|-----------------------------------------|-------|
| Status                | FOR INFORMATION<br>NOT FOR CONSTRUCTION | A1    |
| Project - Drawing No. | C031    20-782                          | Issue |
|                       |                                         | A     |



EXISTING QUARRY DAM

EXISTING STOCKPILE

INTERFACE WORKS IN QUARRY AREA TO OCCUR UNDER EXISTING APPROVAL DA No.145/20/33

INTERFACE WORKS IN QUARRY AREA TO OCCUR UNDER EXISTING APPROVAL DA No.145/20/33

PHASE 1A YARD 1.21ha

PHASE 1B YARD 0.81ha

PLANT 2 BRICK FACTORY FFL60.45

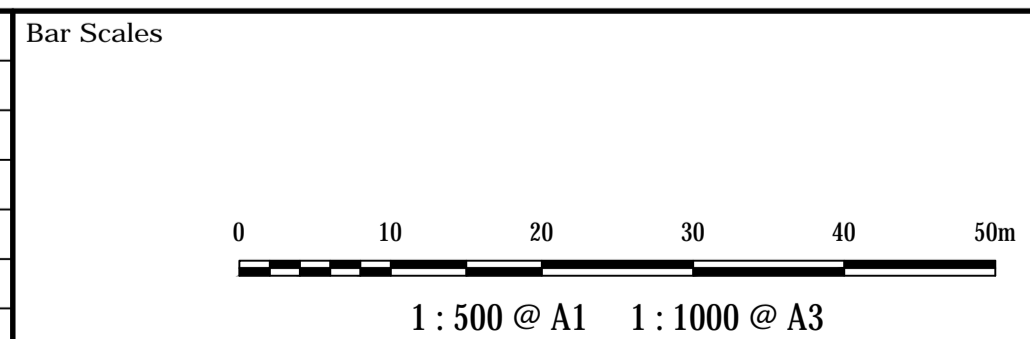
PLANT 2 HARDSTAND (UNDER CONSTRUCTION)

NEW PAVEMENT TO CONNECT SMOOTHLY INTO EXISTING PHASE 1A PAVEMENT LEVELS

MATCH INTO EXISTING TOP OF FLUSH KERB

LEGEND

- EXTENT OF PHASE PAVEMENT WORKS
- PROPERTY BOUNDARY
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- EXISTING STORMWATER TO BE REMOVED
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER ACCESS MANHOLE
- PROPOSED STORMWATER QUALITY TREATMENT DEVICE
- PROPOSED STORMWATER OUTLET HEADWALL WITH SCOUR PROTECTION
- PROPOSED 300 WIDE HEAVY DUTY GRATED TRENCH DRAIN
- F 60.15 FINISHED SURFACE LEVEL
- EX 59.50 EXISTING SURFACE LEVEL
- IL 59.50 PROPOSED INVERT LEVEL
- 1% PROPOSED GRADE
- KO PROPOSED KERB ONLY
- K&G PROPOSED KERB & GUTTER
- FK PROPOSED FLUSH KERB
- PROPOSED BOLLARDS (140mm DIA)
- PROPOSED GUARDRAIL BARRIER
- PROPOSED CHAIN WIRE FENCE (1.8m HIGH)
- 60.2 PROPOSED FINISHED SURFACE CONTOUR
- 60.1 EXISTING SURFACE CONTOUR



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|--------|--------------|-----|----------|-----|
| Client | Scales 1:500 |     | Drawn    | ALS |
|        |              |     | Designed | ALS |
|        |              |     | Checked  | SH  |
|        |              |     | Approved | SH  |
|        | Grid         | MGA |          |     |
|        | Height Datum | AHD |          |     |

Project  
**BRICKWORKS HORSLEY PARK PLANT 2 HARDSTAND EXTENSION**

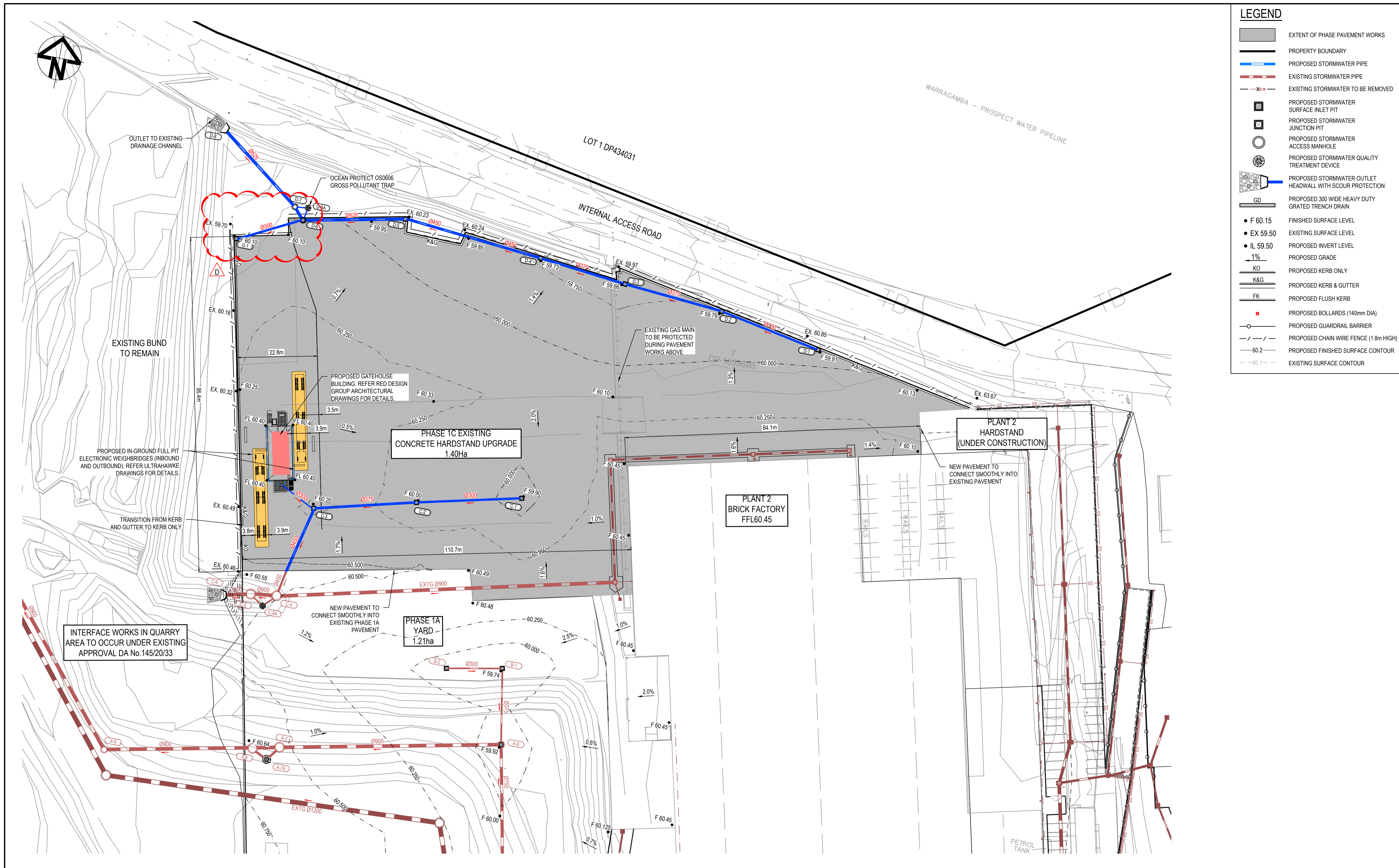
Civil Engineers and Project Managers

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North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |

Title  
**PAVEMENT GRADING & STORMWATER DRAINAGE PLAN PHASE 1B**

|                       |                                             |       |
|-----------------------|---------------------------------------------|-------|
| Status                | <b>FOR INFORMATION NOT FOR CONSTRUCTION</b> | A1    |
| Project - Drawing No. | C032 20-782                                 | Issue |
|                       |                                             | A     |



**LEGEND**

- EXTENT OF PHASE PAVEMENT WORKS
- PROPERTY BOUNDARY
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- EXISTING STORMWATER TO BE REMOVED
- PROPOSED STORMWATER SURFACE INLET PIT
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED STORMWATER ACCESS MANHOLE
- PROPOSED STORMWATER QUALITY TREATMENT DEVICE
- PROPOSED STORMWATER OUTLET HEADWALL WITH SCOUR PROTECTION
- PROPOSED 300 WIDE HEAVY DUTY GRATED TRENCH DRAIN
- F 60.15 FINISHED SURFACE LEVEL
- EX 59.50 EXISTING SURFACE LEVEL
- IL 59.50 PROPOSED INVERT LEVEL
- 1% PROPOSED GRADE
- KO PROPOSED KERB ONLY
- K&G PROPOSED KERB & GUTTER
- FK PROPOSED FLUSH KERB
- PROPOSED BOLLARDS (140mm DIA)
- PROPOSED GUARDRAIL BARRIER
- PROPOSED CHAIN WIRE FENCE (1.8m HIGH)
- 60.2 PROPOSED FINISHED SURFACE CONTOUR
- 60.1 EXISTING SURFACE CONTOUR

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| D     | RAMP EXTENTS UPDATED    | 11-03-22 |
| C     | RAMP LEVELS UPDATED     | 22-02-22 |
| B     | ISSUED FOR COORDINATION | 03-03-21 |
| A     | ISSUED FOR COORDINATION | 24-02-21 |

Bar Scales

0 10 20 30 40 50m

1: 500 @ A1 1: 1000 @ A3

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Client

**BRICKWORKS**  
LIMITED

|              |       |          |     |
|--------------|-------|----------|-----|
| Scales       | 1:500 | Drawn    | ALS |
|              |       | Designed | ALS |
|              |       | Checked  | SH  |
| Grid         | MGA   | Approved | SH  |
| Height Datum | AHD   |          |     |

Project

**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

Title

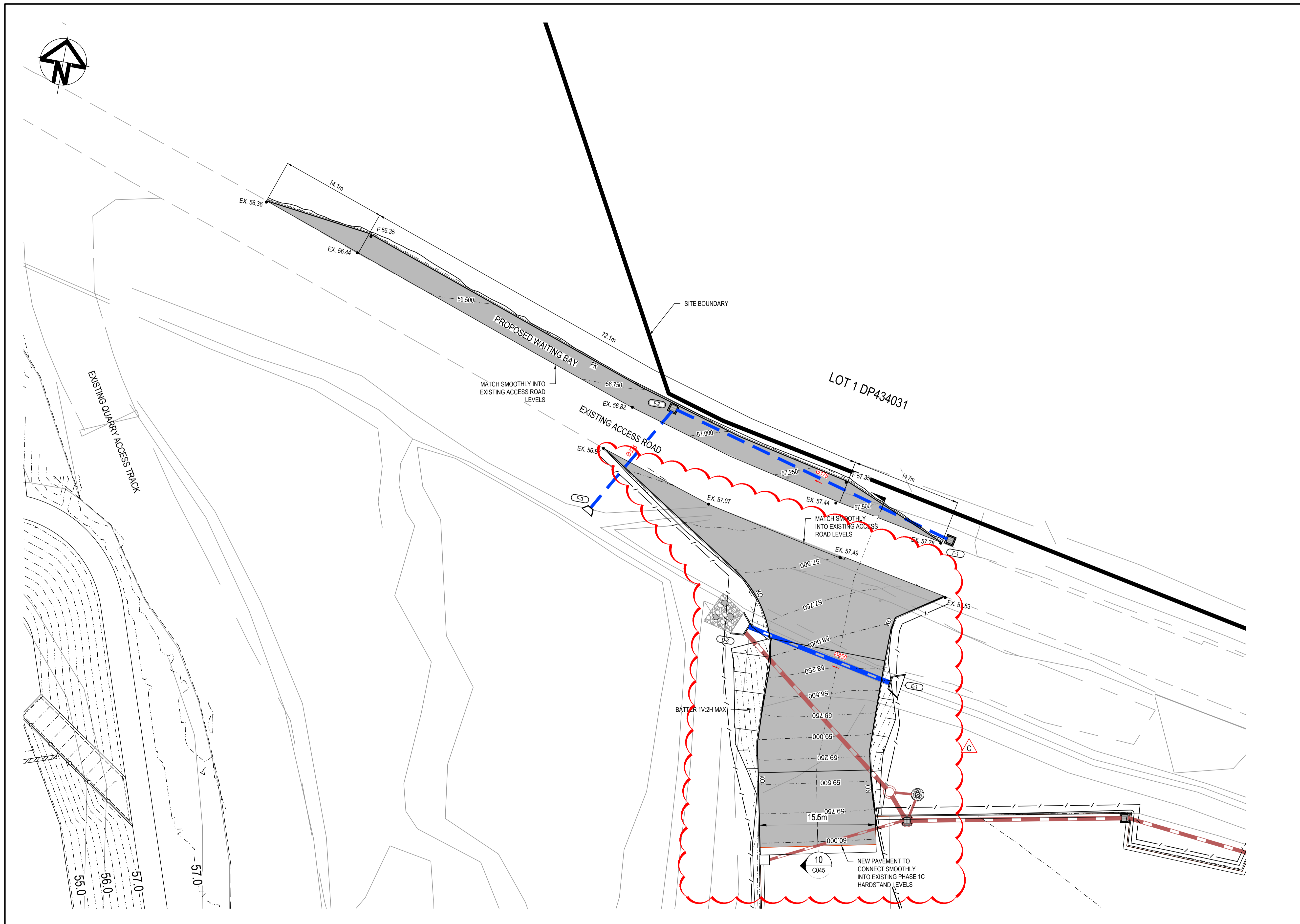
**PAVEMENT GRADING &  
STORMWATER DRAINAGE  
PLAN  
PHASE 1C**

Civil Engineers and Project Managers

**at&l**

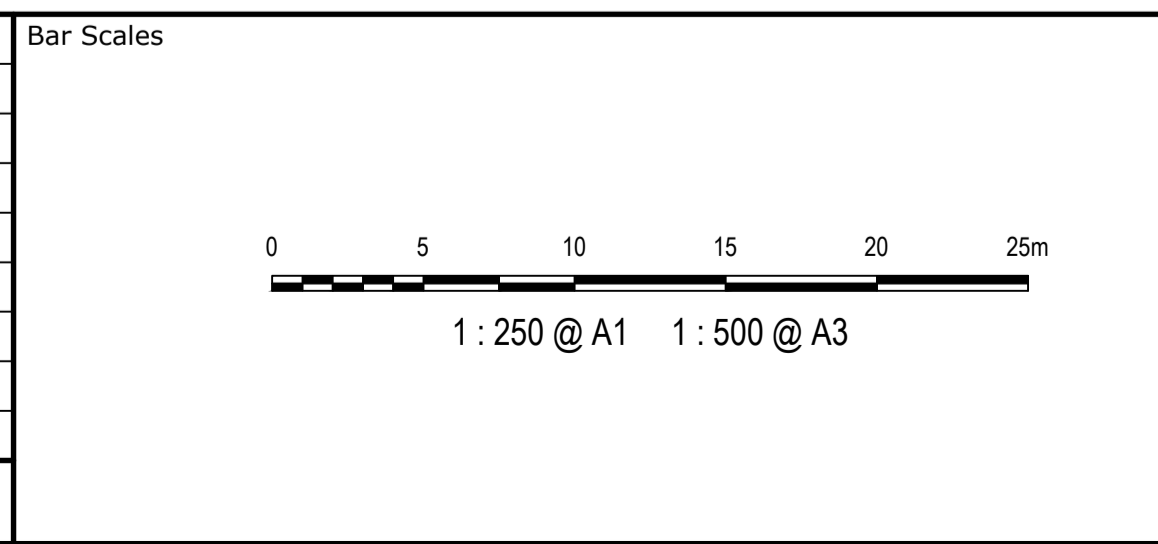
Level 7, 153 Walker Street  
North Sydney NSW 2060  
ABN 96 130 882 405  
Tel: 02 9439 1777  
Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

|                       |                                         |       |
|-----------------------|-----------------------------------------|-------|
| Status                | FOR INFORMATION<br>NOT FOR CONSTRUCTION | A1    |
| Project - Drawing No. | C033 20-782                             | Issue |
|                       |                                         | D     |



| LEGEND |                                                           |
|--------|-----------------------------------------------------------|
|        | EXTENT OF PHASE PAVEMENT WORKS                            |
|        | PROPERTY BOUNDARY                                         |
|        | PROPOSED STORMWATER PIPE                                  |
|        | EXISTING STORMWATER PIPE                                  |
|        | EXISTING STORMWATER TO BE REMOVED                         |
|        | PROPOSED STORMWATER SURFACE INLET PIT                     |
|        | PROPOSED STORMWATER JUNCTION PIT                          |
|        | PROPOSED STORMWATER ACCESS MANHOLE                        |
|        | PROPOSED STORMWATER QUALITY TREATMENT DEVICE              |
|        | PROPOSED STORMWATER OUTLET HEADWALL WITH SCOUR PROTECTION |
|        | PROPOSED 300 WIDE HEAVY DUTY GRATED TRENCH DRAIN          |
|        | FINISHED SURFACE LEVEL                                    |
|        | EXISTING SURFACE LEVEL                                    |
|        | PROPOSED INVERT LEVEL                                     |
|        | PROPOSED GRADE                                            |
|        | PROPOSED KERB ONLY                                        |
|        | PROPOSED KERB & GUTTER                                    |
|        | PROPOSED FLUSH KERB                                       |
|        | PROPOSED BOLLARDS (140mm DIA)                             |
|        | PROPOSED GUARDRAIL BARRIER                                |
|        | PROPOSED CHAIN WIRE FENCE (1.8m HIGH)                     |
|        | PROPOSED FINISHED SURFACE CONTOUR                         |
|        | EXISTING SURFACE CONTOUR                                  |

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| C     | RAMP LEVELS UPDATED     | 11-03-22 |
| B     | RAMP LEVELS UPDATED     | 22-02-22 |
| A     | ISSUED FOR COORDINATION | 24-02-21 |



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Client

|              |       |          |     |
|--------------|-------|----------|-----|
| Scales       | 1:250 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

Project

**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

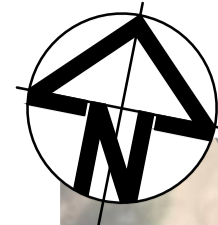
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**PAVEMENT GRADING &  
STORMWATER DRAINAGE  
PLAN  
PHASE 3**

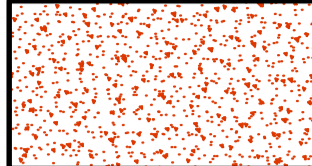
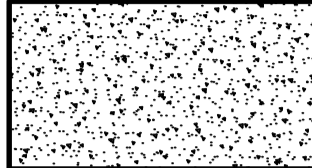

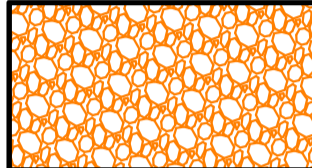
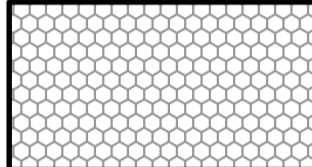


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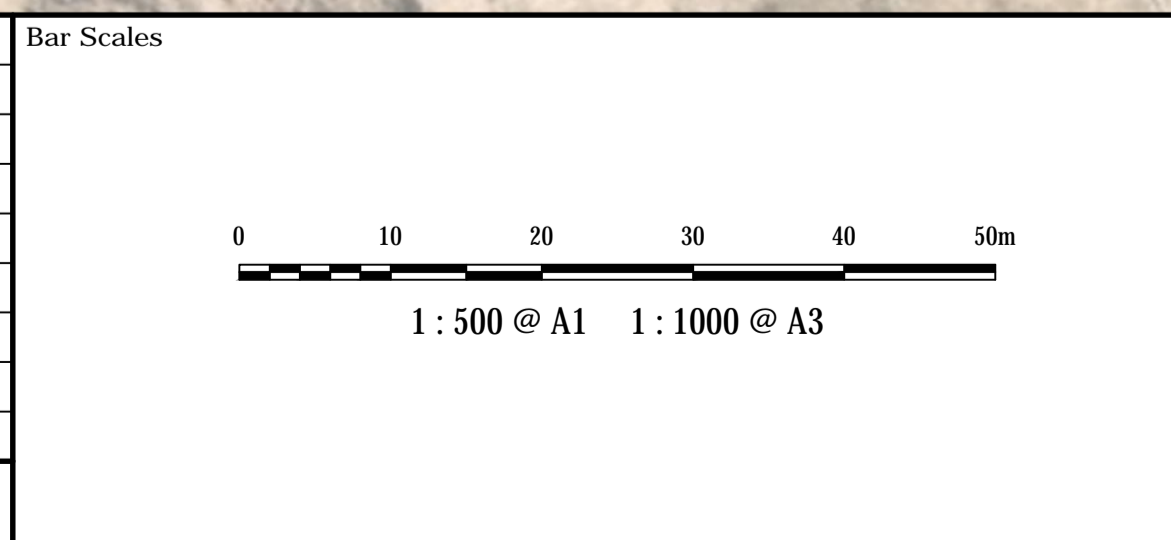
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|-----------------------|-----------------------------------------|-------|
| Status                | FOR INFORMATION<br>NOT FOR CONSTRUCTION | A1    |
| Project - Drawing No. | C034 20-782                             | Issue |
|                       |                                         | C     |



**PAVEMENT LEGEND**

- 
**NEW HEAVY DUTY REINFORCED CONCRETE PAVEMENT**  
 • 200mm THICK N40 CONCRETE SLAB REINFORCED WITH SL92 MESH ON  
 • 100mm DGS40 GRANULAR SUBBASE
- 
**EXISTING REINFORCED CONCRETE PAVEMENT**
- 
**CONCRETE BASIN FLOOR**  
 • 150mm THICK REINFORCED N32 CONCRETE WITH SL72 MESH (TOP) 40mm COVER ON  
 • 100mm DGS40 SUBBASE
- 
**BASIN BATTERS & SPILLWAY**  
 230mm THICK RENO MATTRESS FILLED WITH WELL-GRADED 75-150mm SIZE QUARRIED ROCK PLACED OVER BIDM A49 NON-WOVEN GEOTEXTILE
- 
**BASIN BERM ACCESS TRACK**  
 150mm DGS40 GRAVEL OVER BIDM A49 GEOTEXTILE OVER COMPACTED SUBGRADE
- 
**LANDSCAPED BATTERS**  
 REFER LANDSCAPE ARCHITECTS' DOCUMENTATION. ALL BATTERS TO BE STABILISED AT COMPLETION OF EARTHWORKS WITH TOPSOIL, COIR NETTING AND HYDROMULCH
- 
**EXISTING PLANT 2 INTERLOCKING CONCRETE BLOCK PAVEMENT**

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |




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| Scales       | 1:500 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

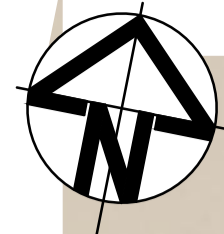
|         |                                                            |
|---------|------------------------------------------------------------|
| Project | <b>BRICKWORKS HORSLEY PARK PLANT 2 HARDSTAND EXTENSION</b> |
| Title   | <b>PAVEMENT PLAN PHASE 1A</b>                              |

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| Project - Drawing No. | C041 20-782                                 | Issue | A  |



EXISTING QUARRY  
DAM

INTERFACE WORKS IN QUARRY  
AREA TO OCCUR UNDER EXISTING  
APPROVAL DA No.145/20/33

EXISTING STOCKPILE

PHASE 1A  
YARD  
1.21ha

NEW PHASE 1B CONCRETE PAVEMENT  
TO TIE IN SMOOTHLY WITH EXISTING  
PHASE 1A CONCRETE HARDSTAND AT  
INTERFACE

PHASE 1B  
YARD  
0.81ha

NEW PHASE 1B CONCRETE PAVEMENT  
TO TIE IN SMOOTHLY WITH EXISTING  
PLANT 2 KERB

INTERFACE WORKS IN QUARRY  
AREA TO OCCUR UNDER EXISTING  
APPROVAL DA No.145/20/33

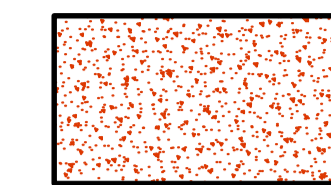
PLANT 2  
HARDSTAND  
(UNDER CONSTRUCTION)

PLANT 2  
BRICK FACTORY  
FFL60.45

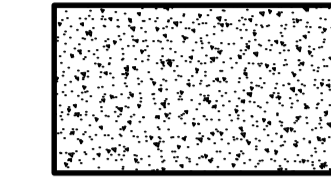
RIDGE RL 69.86

EXISTING QUARRY ACCESS ROAD

**PAVEMENT LEGEND**



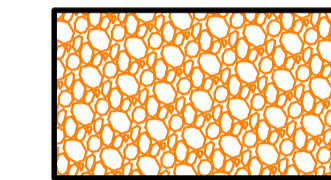
**NEW HEAVY DUTY REINFORCED  
CONCRETE PAVEMENT**  
• 200mm THICK N40 CONCRETE SLAB REINFORCED WITH  
SL92 MESH ON  
• 100mm DGS40 GRANULAR SUBBASE



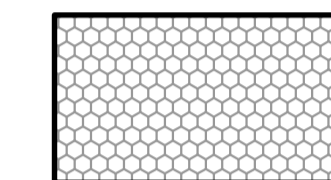
**EXISTING REINFORCED  
CONCRETE PAVEMENT**



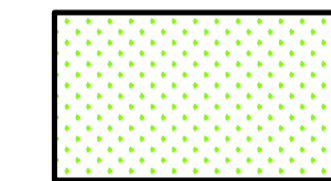
**CONCRETE BASIN FLOOR**  
• 150mm THICK REINFORCED N32 CONCRETE WITH SL72  
MESH (TOP) 40mm COVER ON  
• 100mm DGS40 SUBBASE



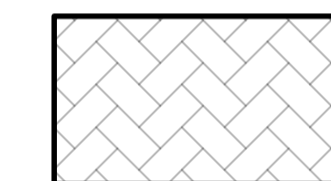
**BASIN BATTERS & SPILLWAY**  
230mm THICK RENO MATTRESS FILLED WITH WELL-GRADED  
75-150mm SIZE QUARRIED ROCK PLACED OVER BIDM A49  
NON-WOVEN GEOTEXTILE



**BASIN BERM ACCESS TRACK**  
150mm DGS40 GRAVEL OVER BIDM A49 GEOTEXTILE  
OVER COMPACTED SUBGRADE



**LANDSCAPED BATTERS**  
REFER LANDSCAPE ARCHITECTS' DOCUMENTATION.  
ALL BATTERS TO BE STABILISED AT COMPLETION OF  
EARTHWORKS WITH TOPSOIL, COIR NETTING AND  
HYDROMULCH



**EXISTING PLANT 2 INTERLOCKING  
CONCRETE BLOCK PAVEMENT**

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |

Bar Scales

1 : 500 @ A1 1 : 1000 @ A3

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| Scale        | 1:500 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

Project

**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

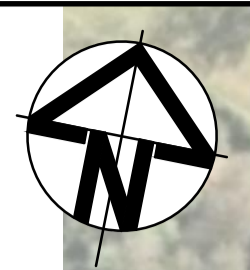
Title

**PAVEMENT PLAN  
PHASE 1B**

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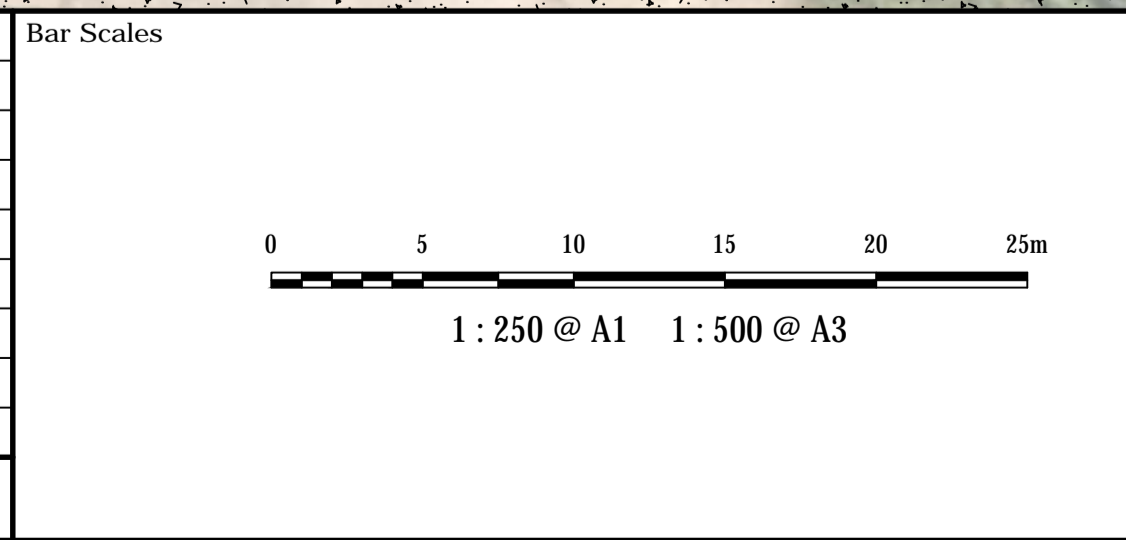
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|-----------------------|-----------------------------------------|-------|
| Status                | FOR INFORMATION<br>NOT FOR CONSTRUCTION | A1    |
| Project - Drawing No. | C042 20-782                             | Issue |
|                       |                                         | A     |



| PAVEMENT LEGEND |                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <b>NEW HEAVY DUTY REINFORCED CONCRETE PAVEMENT</b><br>• 200mm THICK N40 CONCRETE SLAB REINFORCED WITH SL92 MESH ON<br>• 100mm DGS40 GRANULAR SUBBASE                       |
|                 | <b>EXISTING REINFORCED CONCRETE PAVEMENT</b>                                                                                                                               |
|                 | <b>CONCRETE BASIN FLOOR</b><br>• 150mm THICK REINFORCED N32 CONCRETE WITH SL72 MESH (TOP) 40mm COVER ON<br>• 100mm DGS40 SUBBASE                                           |
|                 | <b>BASIN BATTERS &amp; SPILLWAY</b><br>230mm THICK RENO MATTRESS FILLED WITH WELL-GRADED 75-150mm SIZE QUARRIED ROCK PLACED OVER BIDM A49 NON-WOVEN GEOTEXTILE             |
|                 | <b>BASIN BERM ACCESS TRACK</b><br>150mm DGS40 GRAVEL OVER BIDM A49 GEOTEXTILE OVER COMPACTED SUBGRADE                                                                      |
|                 | <b>LANDSCAPED BATTERS</b><br>REFER LANDSCAPE ARCHITECTS' DOCUMENTATION. ALL BATTERS TO BE STABILISED AT COMPLETION OF EARTHWORKS WITH TOPSOIL, COIR NETTING AND HYDROMULCH |
|                 | <b>EXISTING PLANT 2 INTERLOCKING CONCRETE BLOCK PAVEMENT</b>                                                                                                               |

INTERFACE WORKS IN QUARRY AREA TO OCCUR UNDER EXISTING APPROVAL DA No.145/20/33

| Issue | Description             | Date     |
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| A     | ISSUED FOR COORDINATION | 24-02-21 |



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| Scales       | 1:500 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

Project

**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

Title

**PAVEMENT PLAN  
PHASE 1C**

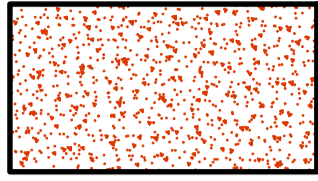
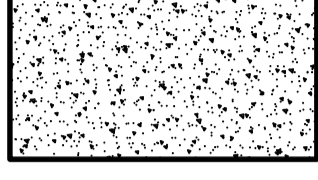

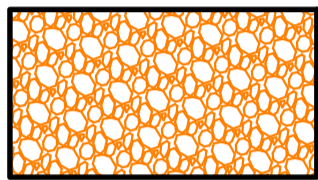
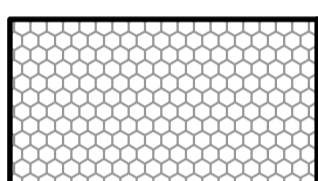
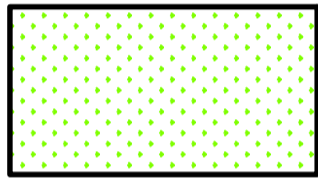
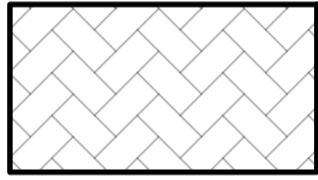
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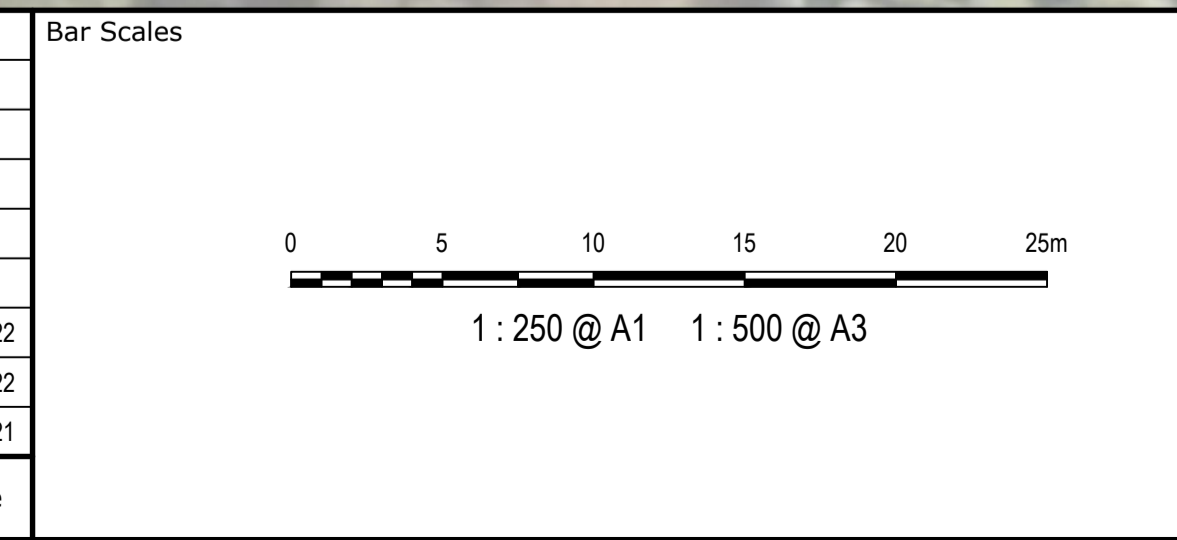
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| Status                | <b>FOR INFORMATION<br/>NOT FOR CONSTRUCTION</b> | A1       |
| Project - Drawing No. | <b>C043 20-782</b>                              | Issue    |
|                       |                                                 | <b>A</b> |



**PAVEMENT LEGEND**


- 
**NEW HEAVY DUTY REINFORCED CONCRETE PAVEMENT**  
 • 200mm THICK N40 CONCRETE SLAB REINFORCED WITH SL92 MESH ON  
 • 100mm DGS40 GRANULAR SUBBASE
- 
**EXISTING REINFORCED CONCRETE PAVEMENT**
- 
**CONCRETE BASIN FLOOR**  
 • 150mm THICK REINFORCED N32 CONCRETE WITH SL72 MESH (TOP) 40mm COVER ON  
 • 100mm DGS40 SUBBASE
- 
**BASIN BATTERS & SPILLWAY**  
 230mm THICK RENO MATTRESS FILLED WITH WELL-GRADED 75-150mm SIZE QUARRIED ROCK PLACED OVER BIDIM A49 NON-WOVEN GEOTEXTILE
- 
**BASIN BERM ACCESS TRACK**  
 150mm DGS40 GRAVEL OVER BIDIM A49 GEOTEXTILE OVER COMPACTED SUBGRADE
- 
**LANDSCAPED BATTERS**  
 REFER LANDSCAPE ARCHITECTS' DOCUMENTATION. ALL BATTERS TO BE STABILISED AT COMPLETION OF EARTHWORKS WITH TOPSOIL, COIR NETTING AND HYDROMULCH
- 
**EXISTING PLANT 2 INTERLOCKING CONCRETE BLOCK PAVEMENT**

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| C     | RAMP EXTENTS UPDATED    | 11-03-22 |
| B     | RAMP EXTENTS UPDATED    | 22-02-22 |
| A     | ISSUED FOR COORDINATION | 24-02-21 |



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| Scales       | 1:250 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |


Project

**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

Title

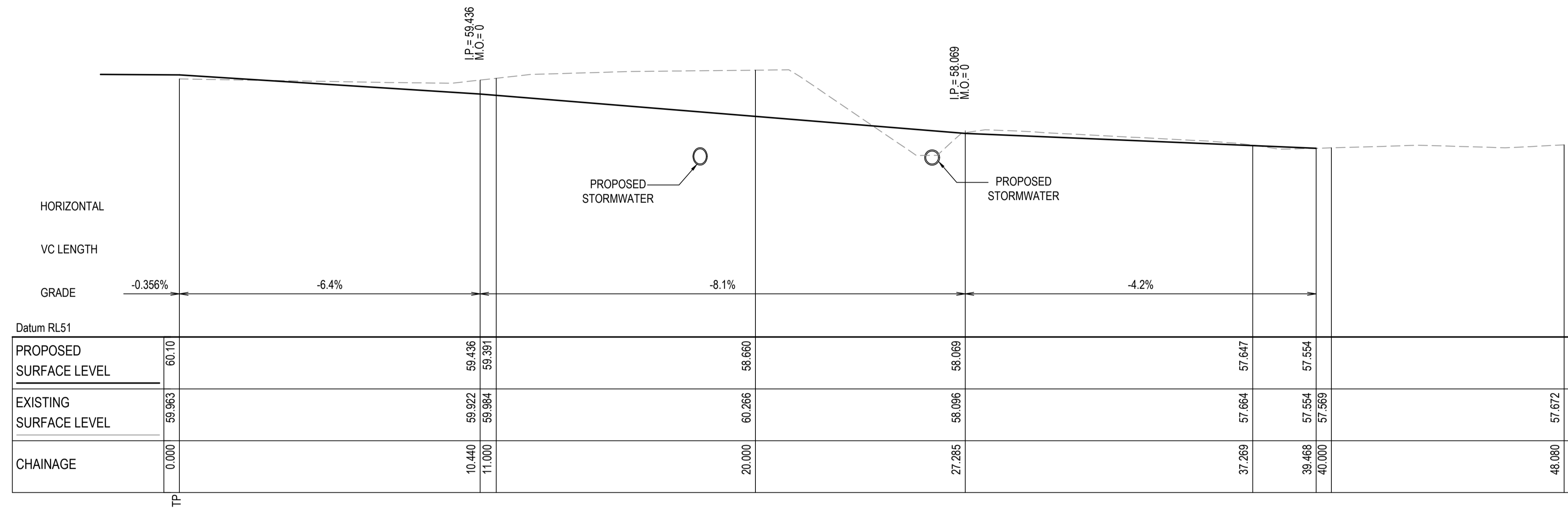
**PAVEMENT PLAN  
PHASE 3**

Civil Engineers and Project Managers



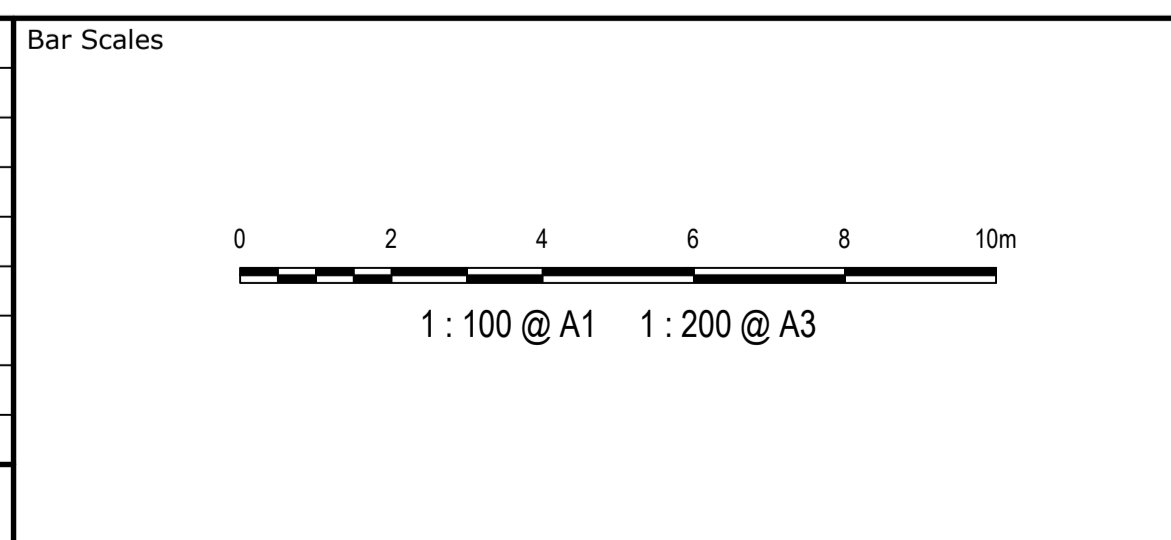
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| Project - Drawing No. | C044 20-782                                     | Issue |
|                       |                                                 | C     |



**10 DRIVEWAY LONGITUDINAL SECTION**  
 SCALE 1:100 HORI.  
 1:100 VERT.

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| B     | RAMP GRADES UPDATED     | 11-03-22 |
| A     | ISSUED FOR COORDINATION | 22-02-22 |



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| Scales       | 1:100 | Drawn    | JD |
|              |       | Designed | JD |
| Grid         | MGA   | Checked  | PK |
| Height Datum | AHD   | Approved | PK |

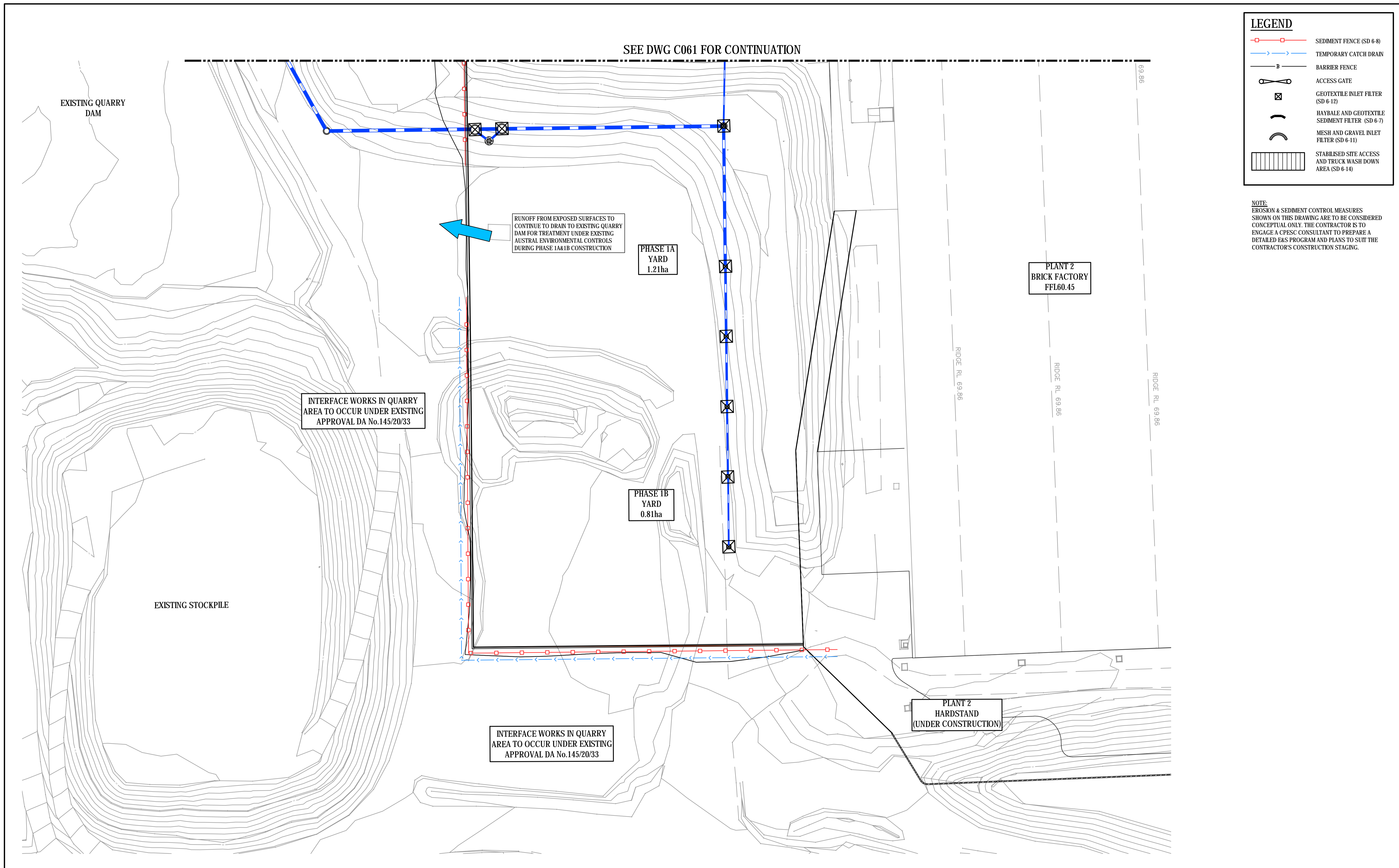
Project  
**BRICKWORKS HORSLEY PARK PLANT 2 HARDSTAND EXTENSION**

Title  
**PROPOSED RAMP LONG SECTION**

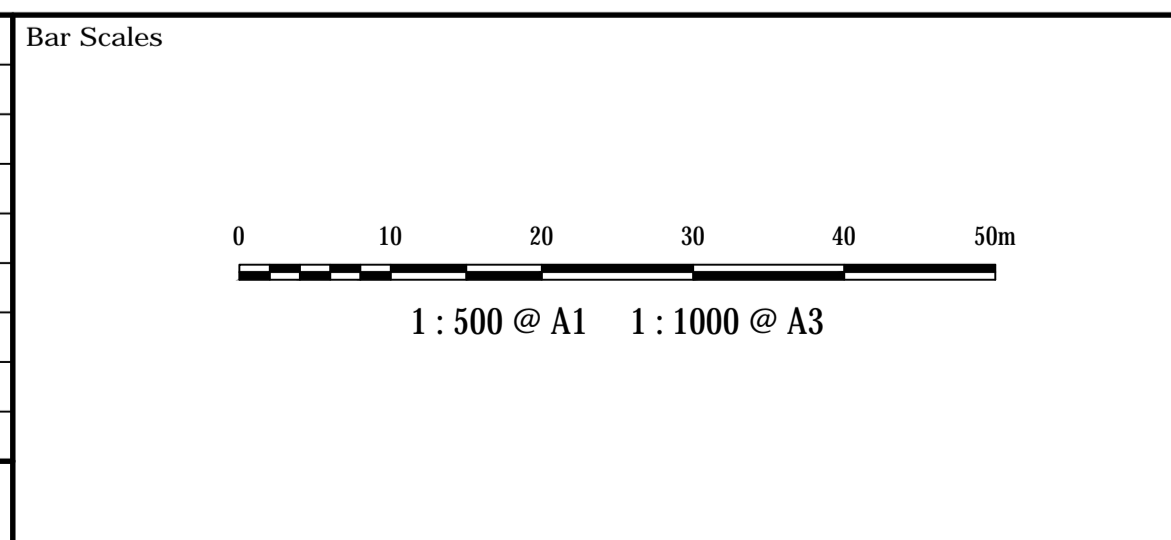
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| Project - Drawing No. | C045 20-782                                 | Issue B |



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|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

Project

**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

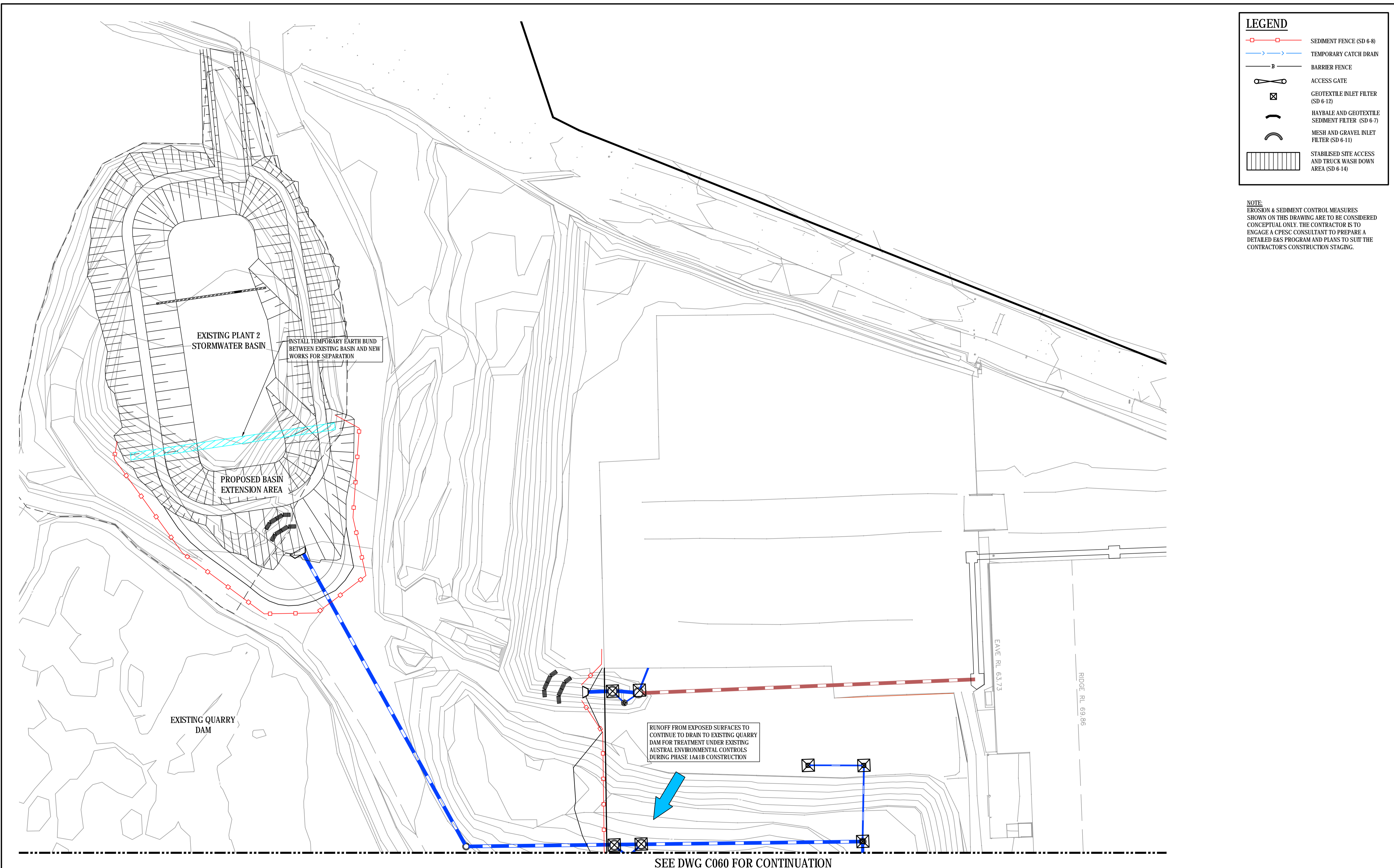
Title

**EROSION AND SEDIMENT  
CONTROL PLAN  
PHASE 1A & 1B - SHEET 1**

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| Project - Drawing No. | C060 20-782                             | Issue |
|                       |                                         | A     |



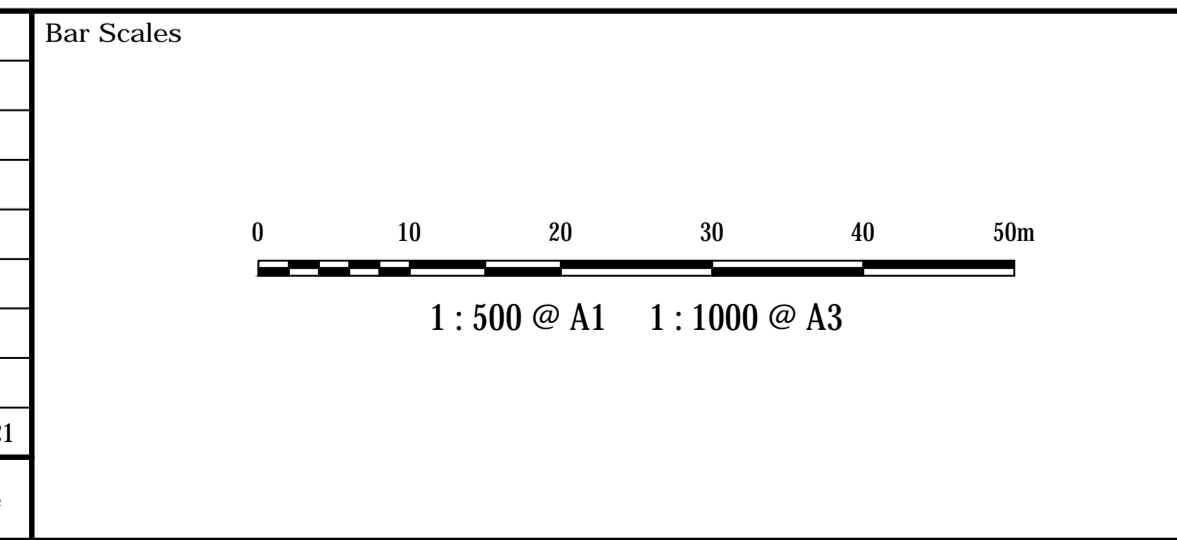
**LEGEND**

|  |                                                           |
|--|-----------------------------------------------------------|
|  | SEDIMENT FENCE (SD 6-8)                                   |
|  | TEMPORARY CATCH DRAIN                                     |
|  | BARRIER FENCE                                             |
|  | ACCESS GATE                                               |
|  | GEOTEXTILE INLET FILTER (SD 6-12)                         |
|  | HAYBALE AND GEOTEXTILE SEDIMENT FILTER (SD 6-7)           |
|  | MESH AND GRAVEL INLET FILTER (SD 6-11)                    |
|  | STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14) |

**NOTE:**  
 EROSION & SEDIMENT CONTROL MEASURES SHOWN ON THIS DRAWING ARE TO BE CONSIDERED CONCEPTUAL ONLY. THE CONTRACTOR IS TO ENGAGE A CPESC CONSULTANT TO PREPARE A DETAILED E&S PROGRAM AND PLANS TO SUIT THE CONTRACTOR'S CONSTRUCTION STAGING.

SEE DWG C060 FOR CONTINUATION

| Issue | Description             | Date     |
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|--------------|-------|----------|-----|
| Scale        | 1:500 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

Project

**BRICKWORKS  
 HORSLEY PARK  
 PLANT 2 HARDSTAND  
 EXTENSION**

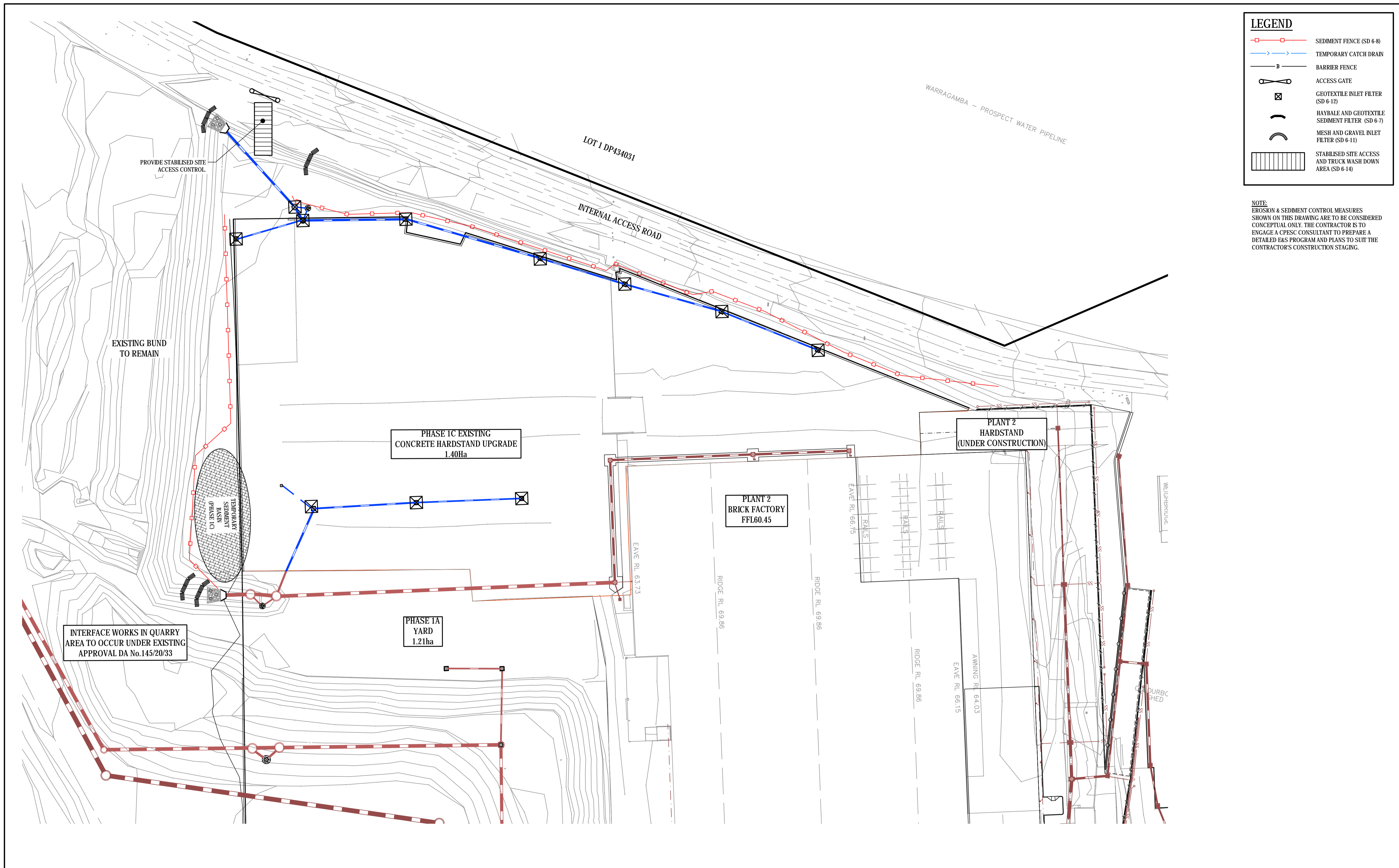
Title

**EROSION AND SEDIMENT  
 CONTROL PLAN  
 PHASE 1A & 1B - SHEET 2**

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|-----------------------|-----------------------------------------|-------|
| Status                | FOR INFORMATION<br>NOT FOR CONSTRUCTION | A1    |
| Project - Drawing No. | C061 20-782                             | Issue |
|                       |                                         | A     |

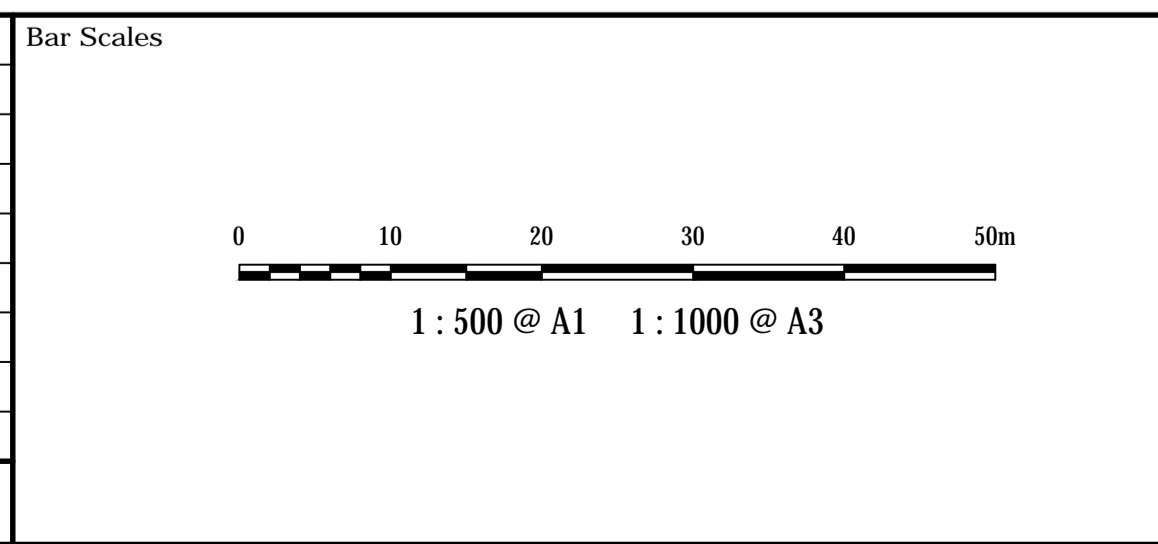


**LEGEND**

|  |                                                           |
|--|-----------------------------------------------------------|
|  | SEDIMENT FENCE (SD 6-8)                                   |
|  | TEMPORARY CATCH DRAIN                                     |
|  | BARRIER FENCE                                             |
|  | ACCESS GATE                                               |
|  | GEOTEXTILE INLET FILTER (SD 6-12)                         |
|  | HAYBALE AND GEOTEXTILE SEDIMENT FILTER (SD 6-7)           |
|  | MESH AND GRAVEL INLET FILTER (SD 6-11)                    |
|  | STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14) |

**NOTE:**  
 EROSION & SEDIMENT CONTROL MEASURES SHOWN ON THIS DRAWING ARE TO BE CONSIDERED CONCEPTUAL ONLY. THE CONTRACTOR IS TO ENGAGE A CPESC CONSULTANT TO PREPARE A DETAILED E&S PROGRAM AND PLANS TO SUIT THE CONTRACTOR'S CONSTRUCTION STAGING.

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| B     | ISSUED FOR COORDINATION | 03-03-21 |
| A     | ISSUED FOR COORDINATION | 24-02-21 |



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Client

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|--------------|-------|----------|-----|
| Scales       | 1:500 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
| Height Datum | AHD   | Approved | SH  |

Project

**BRICKWORKS  
 HORSLEY PARK  
 PLANT 2 HARDSTAND  
 EXTENSION**

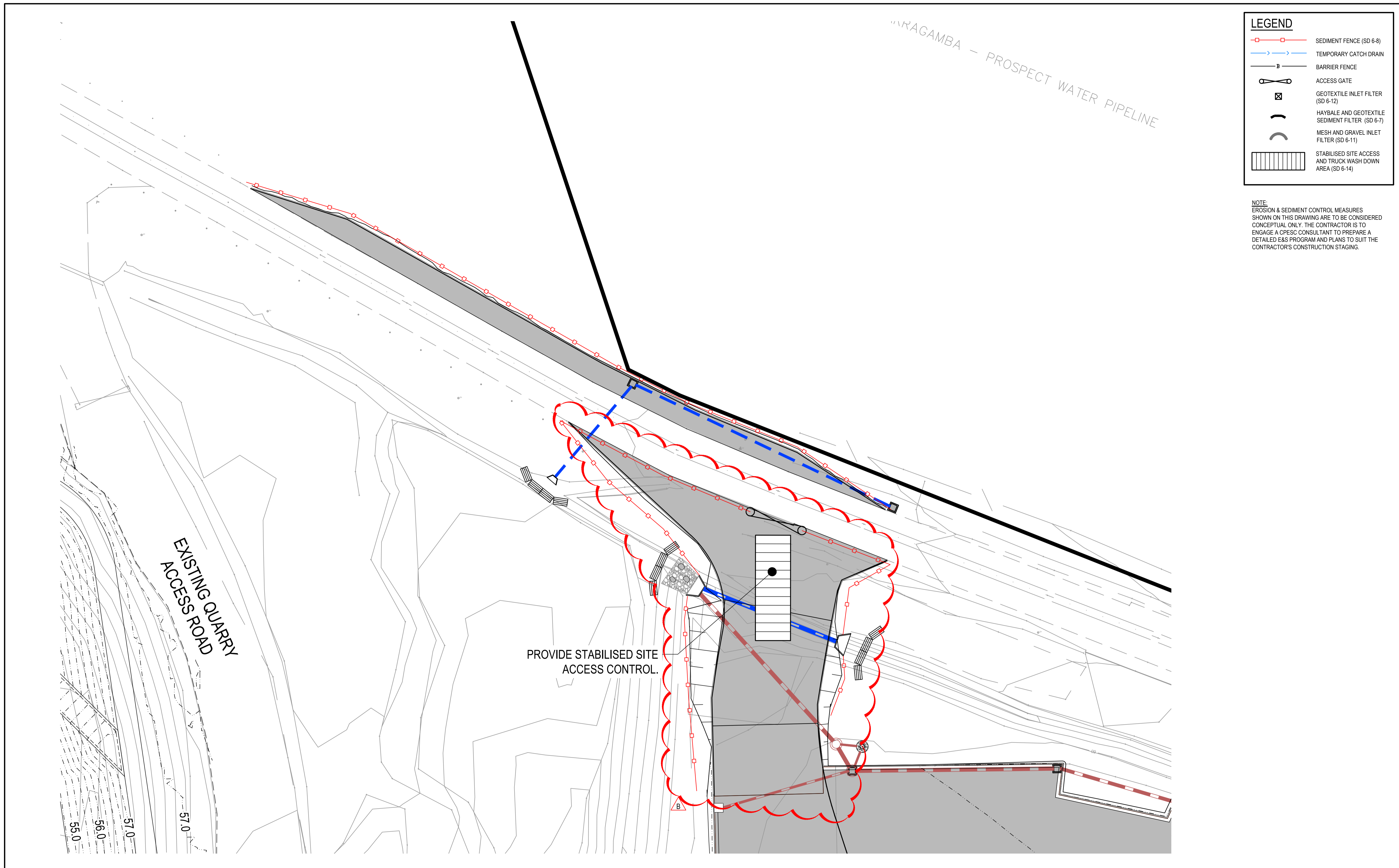
Title

**EROSION AND SEDIMENT  
 CONTROL PLAN  
 PHASE 1C**

Civil Engineers and Project Managers

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 North Sydney NSW 2060  
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|                       |                                                    |       |
|-----------------------|----------------------------------------------------|-------|
| Status                | <b>FOR INFORMATION<br/>   NOT FOR CONSTRUCTION</b> | A1    |
| Project - Drawing No. | C062    20-782                                     | Issue |
|                       |                                                    | B     |

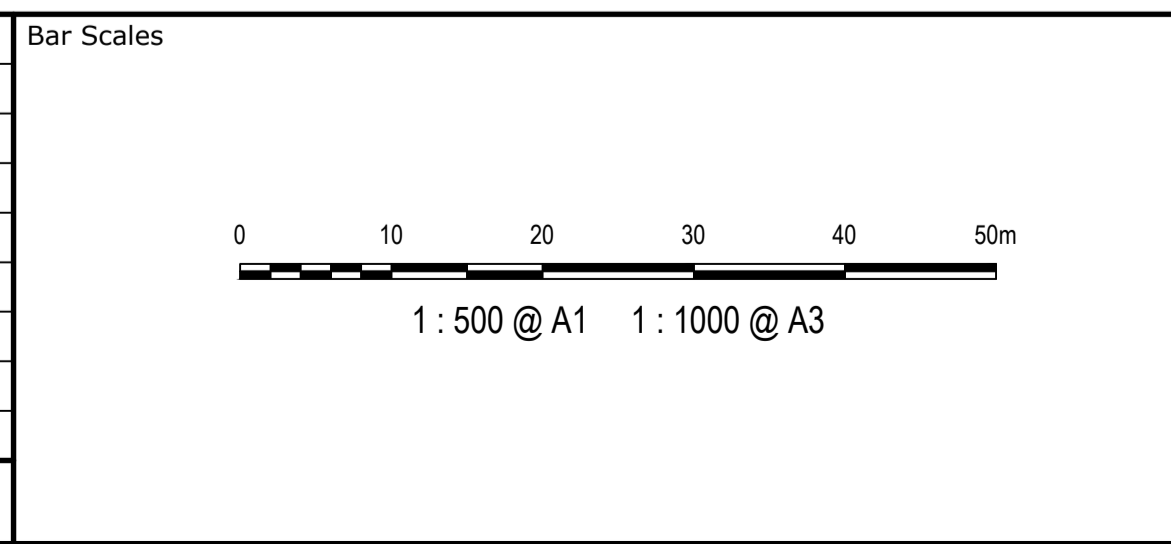


**LEGEND**

|  |                                                           |
|--|-----------------------------------------------------------|
|  | SEDIMENT FENCE (SD 6-8)                                   |
|  | TEMPORARY CATCH DRAIN                                     |
|  | BARRIER FENCE                                             |
|  | ACCESS GATE                                               |
|  | GEOTEXTILE INLET FILTER (SD 6-12)                         |
|  | HAYBALE AND GEOTEXTILE SEDIMENT FILTER (SD 6-7)           |
|  | MESH AND GRAVEL INLET FILTER (SD 6-11)                    |
|  | STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14) |

**NOTE:**  
 EROSION & SEDIMENT CONTROL MEASURES SHOWN ON THIS DRAWING ARE TO BE CONSIDERED CONCEPTUAL ONLY. THE CONTRACTOR IS TO ENGAGE A CPESC CONSULTANT TO PREPARE A DETAILED E&S PROGRAM AND PLANS TO SUIT THE CONTRACTOR'S CONSTRUCTION STAGING.

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| B     | RAMP EXTENTS UPDATED    | 22-02-22 |
| A     | ISSUED FOR COORDINATION | 24-02-21 |



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Client

|              |       |          |     |
|--------------|-------|----------|-----|
| Scales       | 1:500 | Drawn    | ALS |
|              |       | Designed | ALS |
| Grid         | MGA   | Checked  | SH  |
|              |       | Approved | SH  |
| Height Datum | AHD   |          |     |

Project

**BRICKWORKS  
 HORSLEY PARK  
 PLANT 2 HARDSTAND  
 EXTENSION**

Title

**EROSION AND SEDIMENT  
 CONTROL PLAN  
 PHASE 3**

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|                       |                                                    |       |
|-----------------------|----------------------------------------------------|-------|
| Status                | <b>FOR INFORMATION<br/>   NOT FOR CONSTRUCTION</b> | A1    |
| Project - Drawing No. | C063 20-782                                        | Issue |
|                       |                                                    | B     |

**EROSION AND SEDIMENT CONTROL**

**NOTES**

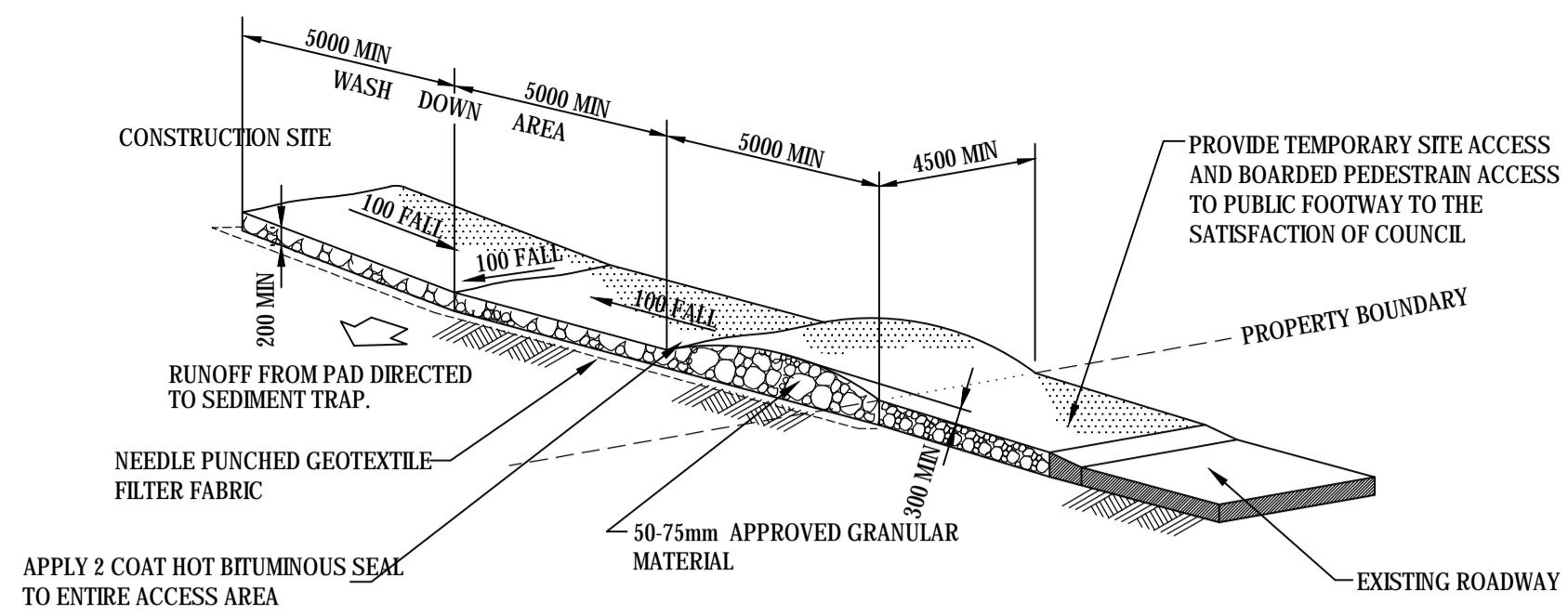
- GENERAL INSTRUCTIONS**
1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
  2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
    - a. LOCAL AUTHORITY REQUIREMENTS
    - b. EPA REQUIREMENTS
    - c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBANS STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
  3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
  4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
  5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

- LAND DISTURBANCE**
6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
    - (A) INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
    - (B) CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
    - (C) INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
    - (D) UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

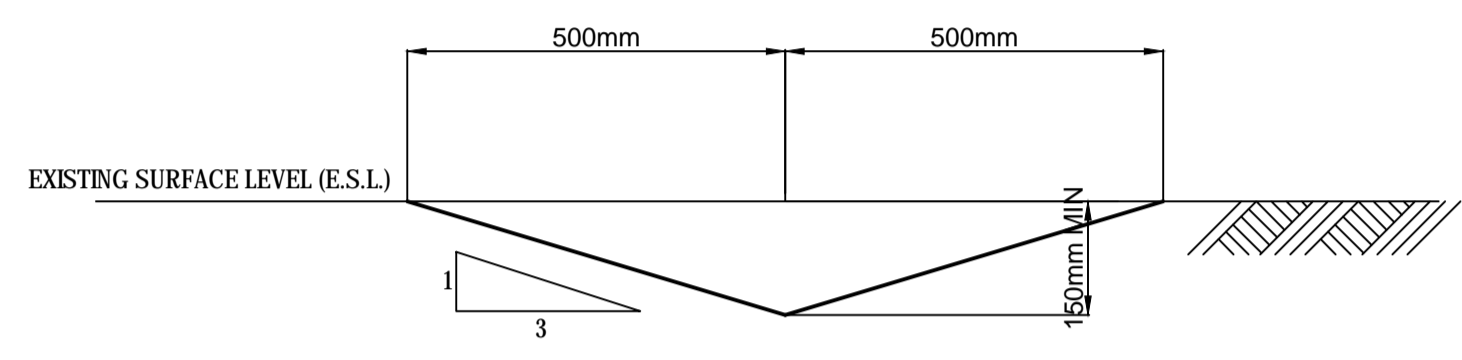
- EROSION CONTROL**
7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
  8. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

- SEDIMENT CONTROL**
9. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
  10. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
  11. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
  12. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

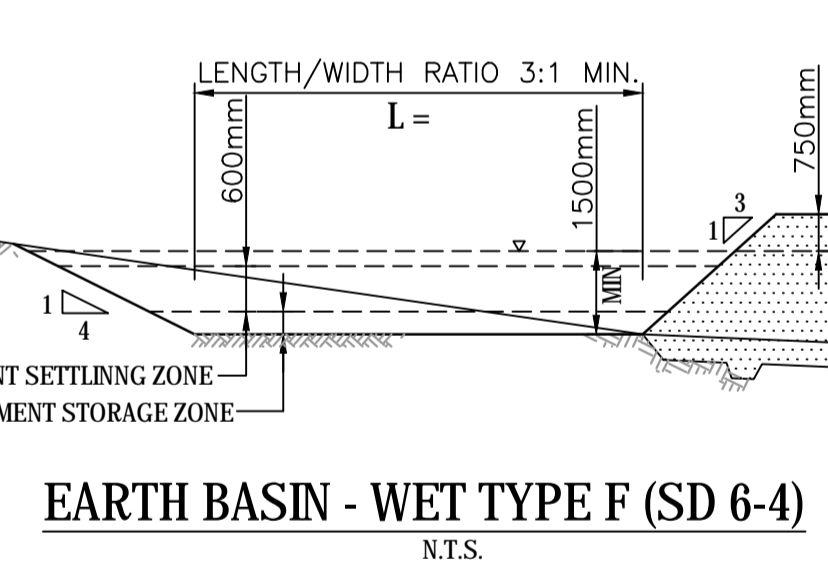
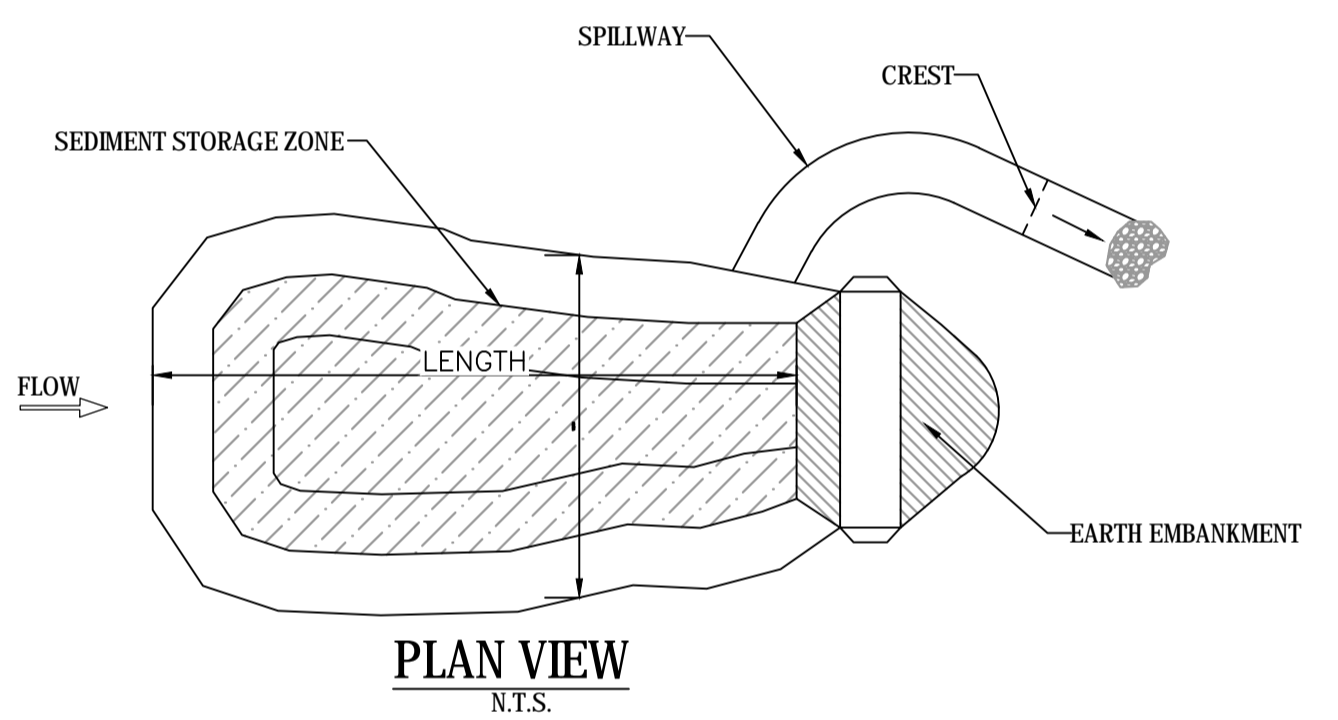
- OTHER MATTERS**
13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
    - (A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
    - (B) ENSURING THAT NOTHING IS NAILED TO THEM
  14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
    - (C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.
      - (i) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
      - (ii) A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
      - (iii) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.



**STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)**  
NTS

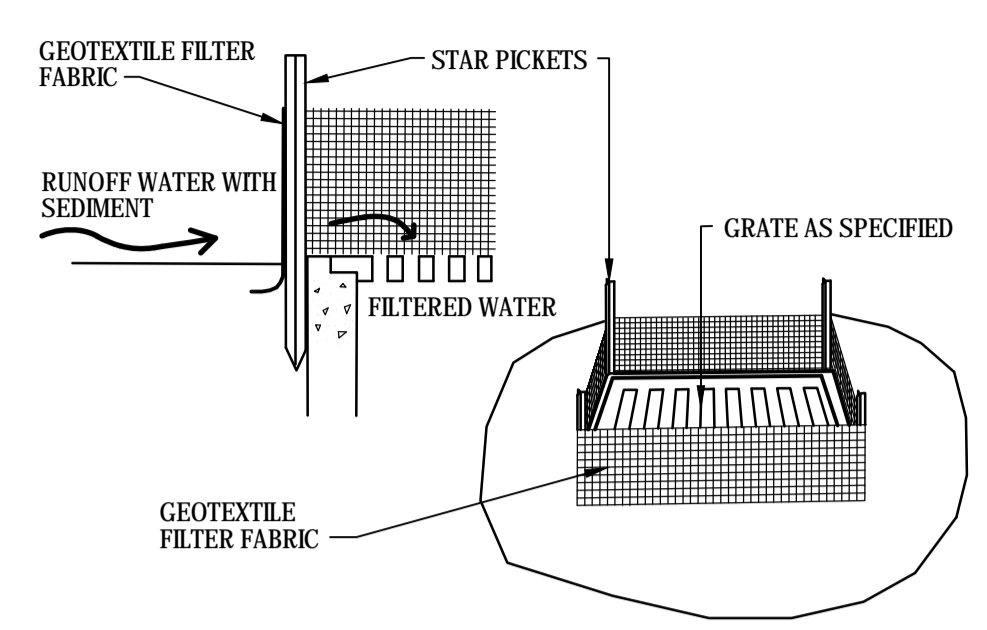


**TEMPORARY CATCH DRAIN**  
(MIN FALL 1%)  
NTS

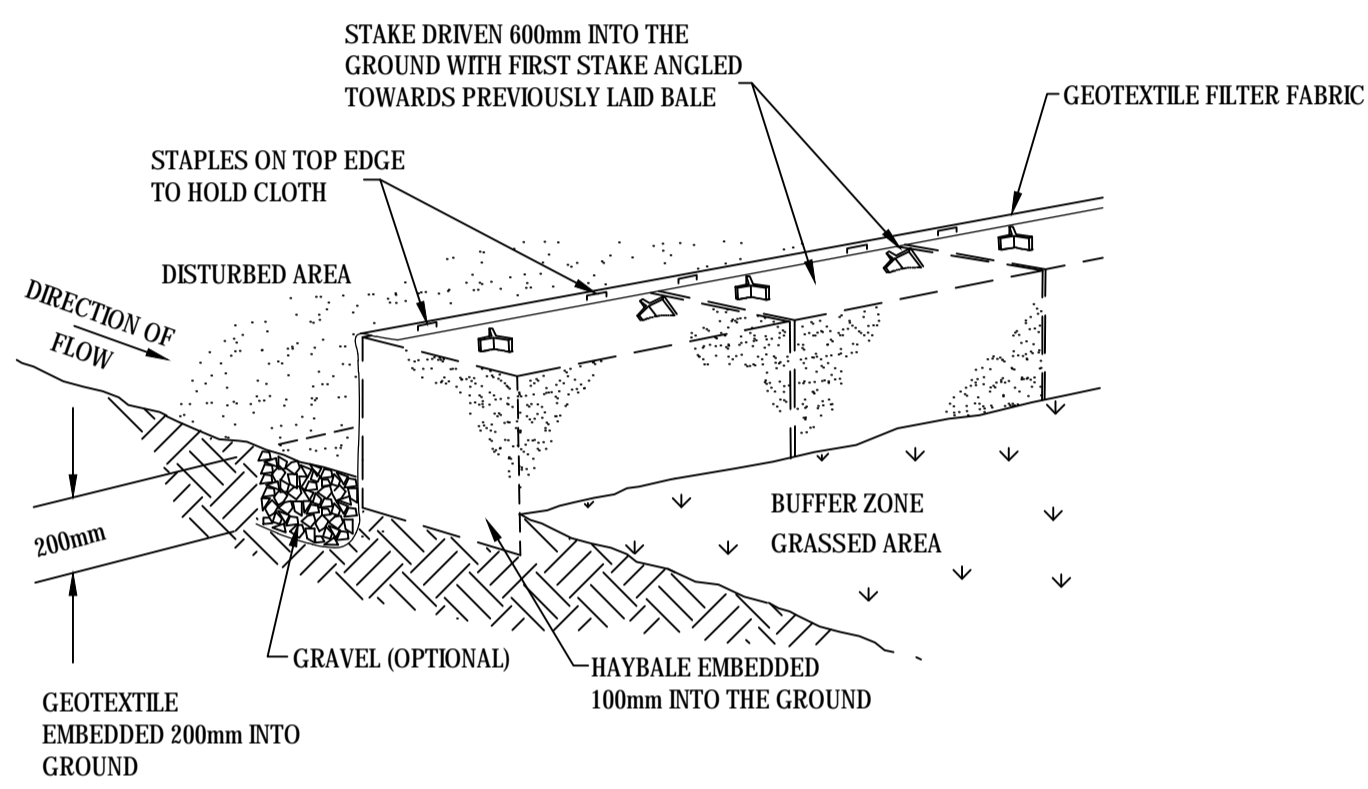


**EARTH BASIN - WET TYPE F (SD 6-4)**  
NTS

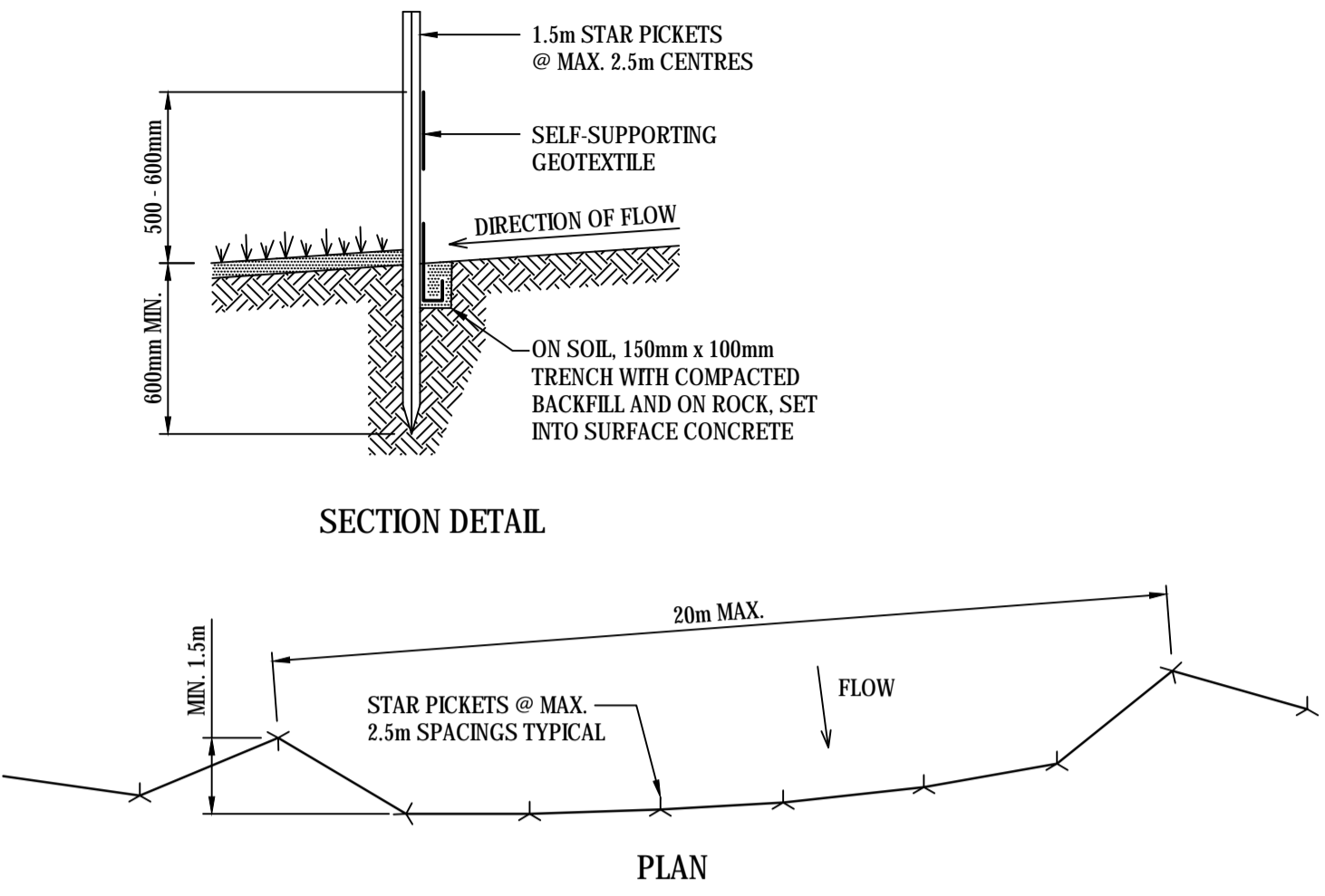
- BASIN CONSTRUCTION NOTES:**
1. REMOVE ALL VEGETATION AND TOPSOIL FROM BASIN AREA.
  2. CONSTRUCT A CUT-OFF TRENCH 500mm DEEP AND 1200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST.
  3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT SPECIFIED IN THE SWMP TO 95% STANDARD PROCTOR DENSITY.
  4. SELECT FILL ACCORDING TO THE DIRECTIONS OF THE SWMP THAT IS FREE OF ROOTS, WOOD, ROCK, LARGE STONE OF FOREIGN MATERIAL.
  5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING AT LEAST 100mm DEEP TO HELP BOND COMPACTED FILL TO EXISTING SUBSTRATE.
  6. SPREAD FILL IN 100mm TO 1500mm LAYERS AND COMPACT AT OPTIMUM MOISTURE CONTENT.
  7. CONSTRUCT EMERGENCY SPILLWAY.
  8. PLACE A "FULL OF SEDIMENT" MARKER TO SHOW WHEN LESS THAN DESIGN CAPACITY OCCURS AND SEDIMENT REMOVAL IS REQUIRED.
  9. SPILLWAY MAXIMUM BATTER SLOPE SHALL BE 4(H) : 1(V)



**GEOTEXTILE FILTER PIT SURROUND (SD 6-12)**  
NTS

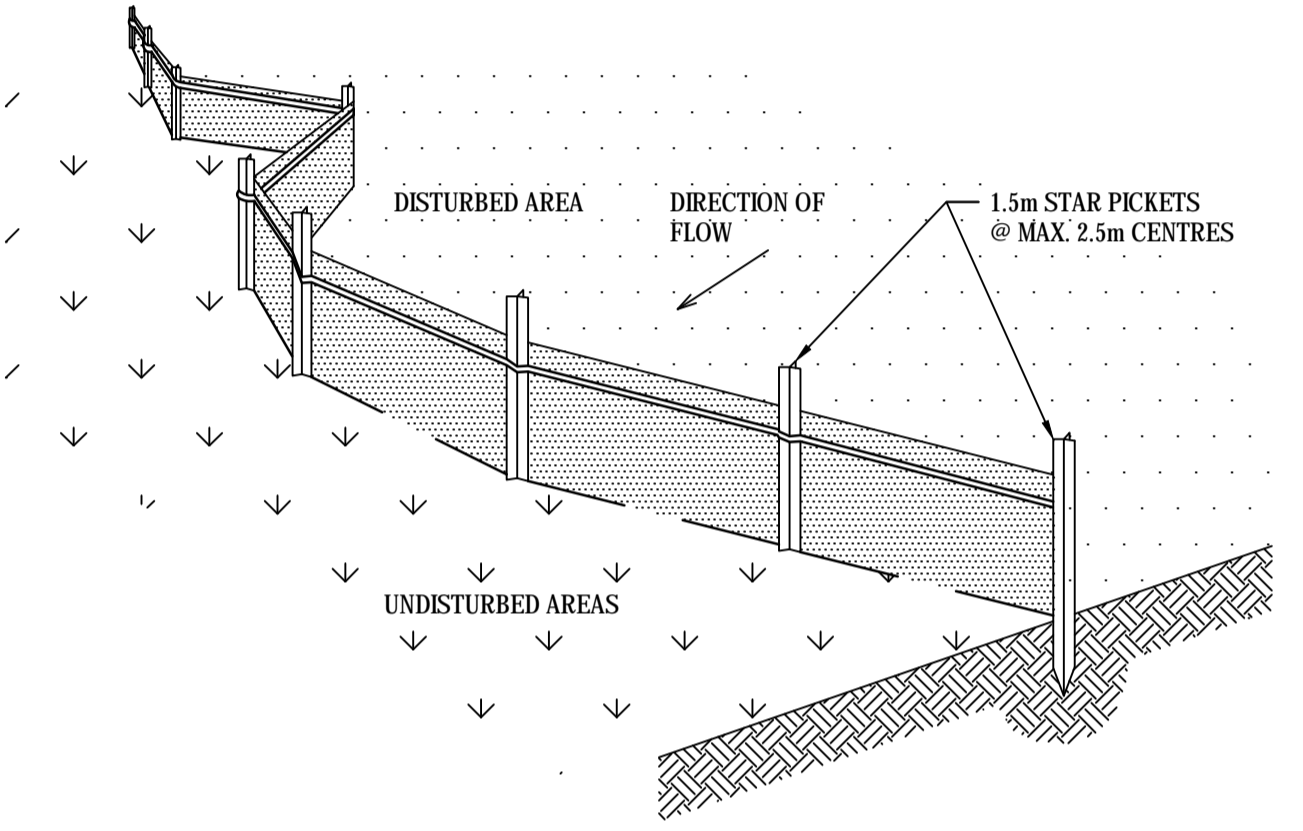


**HAYBALE AND GEOTEXTILE SEDIMENT FILTER (SD 6-7)**  
NTS

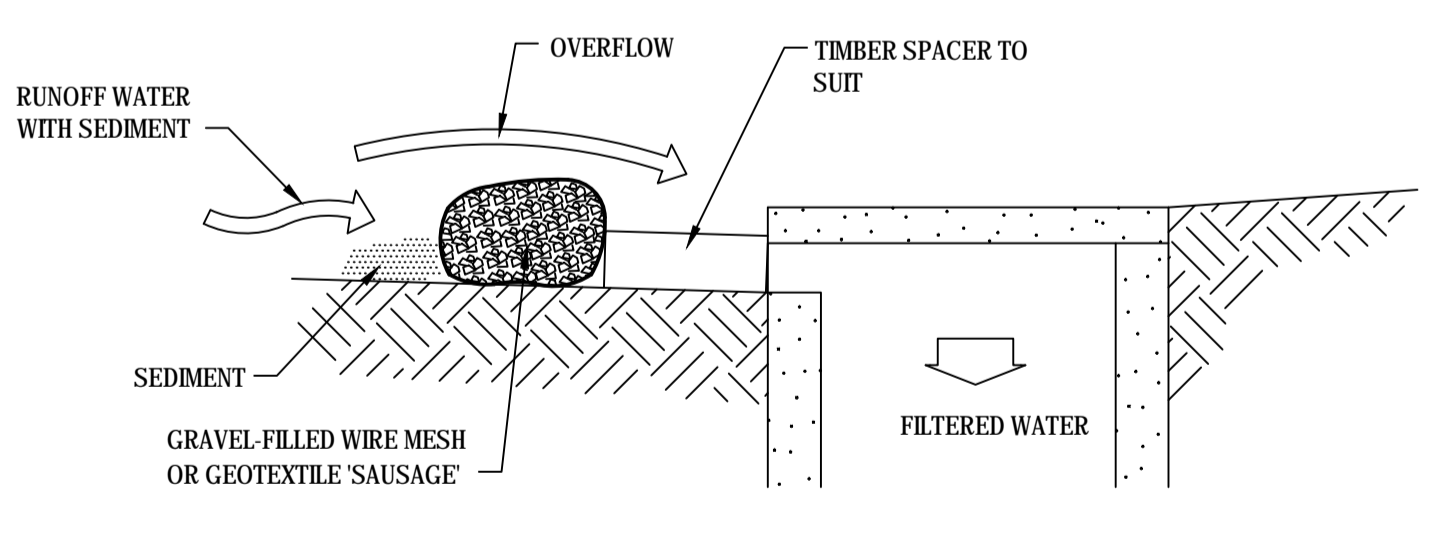
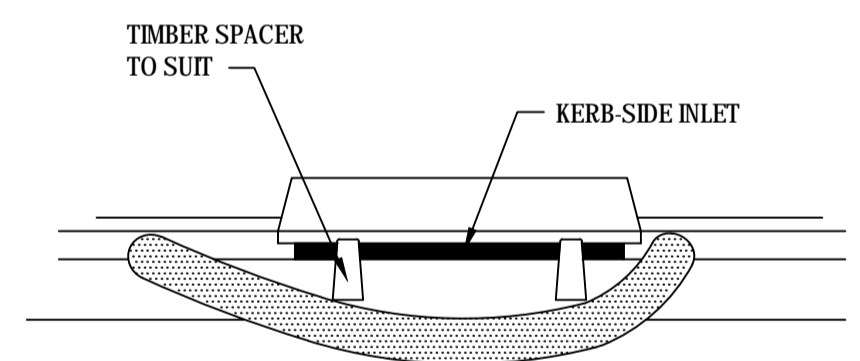


**SECTION DETAIL**

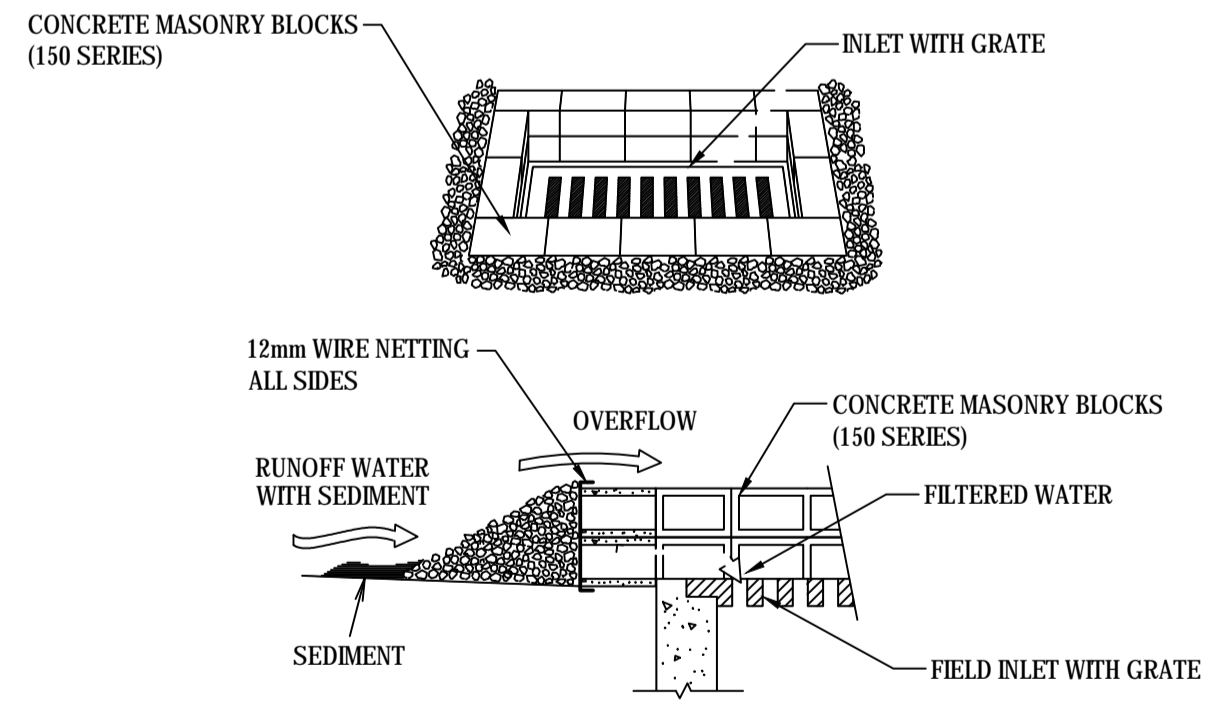
**PLAN**



**SEDIMENT FENCE (SD 6-8)**  
NTS



**INLET SEDIMENT TRAP (SD 6-11)**  
NTS



**FIELD INLET SEDIMENT TRAP**  
NTS

| Issue | Description             | Date     |
|-------|-------------------------|----------|
| A     | ISSUED FOR COORDINATION | 24-02-21 |

Bar Scales

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Client

| Scales       | AS SHOWN | Drawn    |     |
|--------------|----------|----------|-----|
|              |          | Designed | ALS |
| Grid         | MGA      | Checked  |     |
|              |          | SH       |     |
| Height Datum | AHD      | Approved |     |
|              |          | SH       |     |

Project

**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

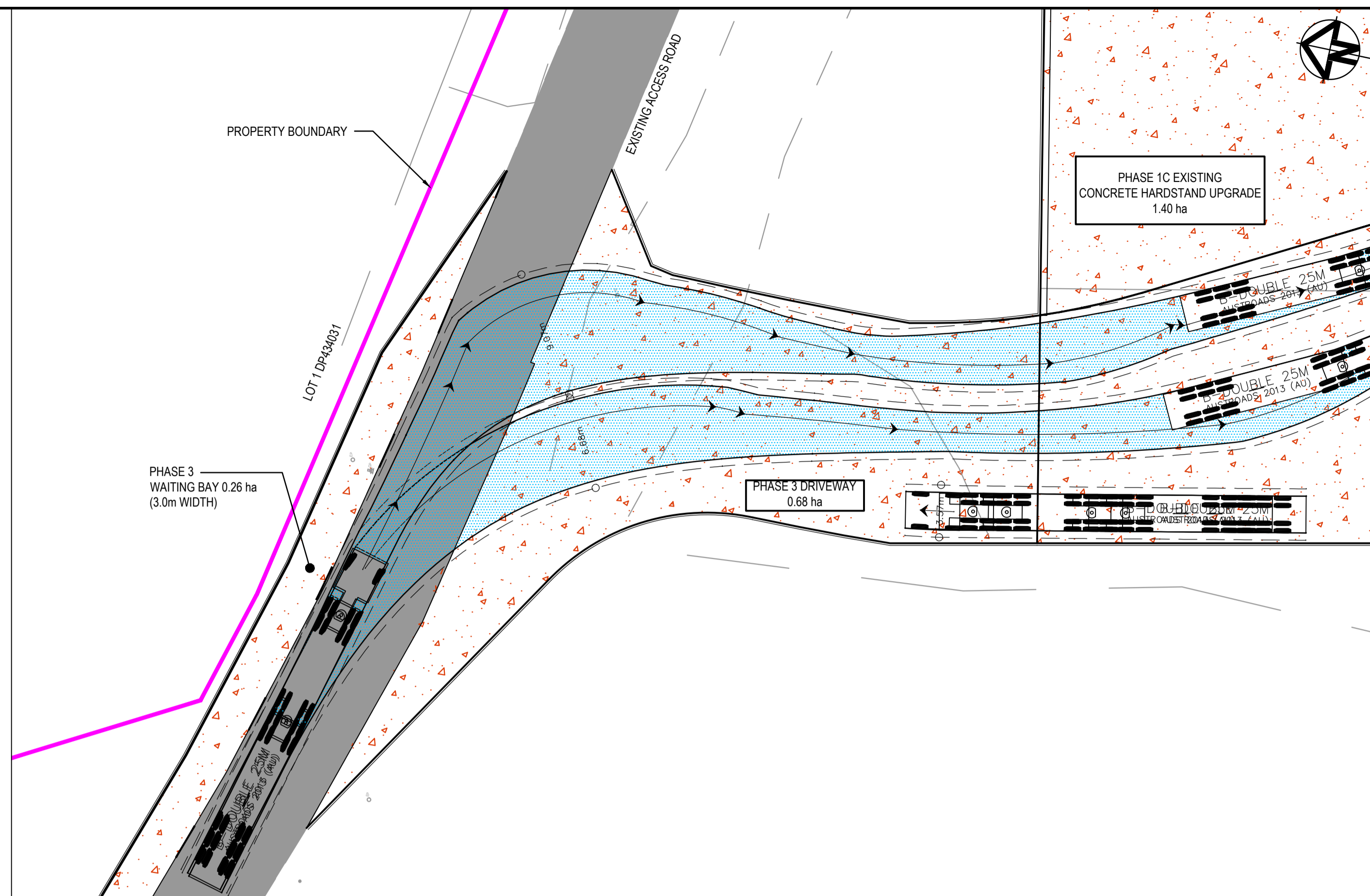
Title

**EROSION AND SEDIMENT  
CONTROL DETAILS**

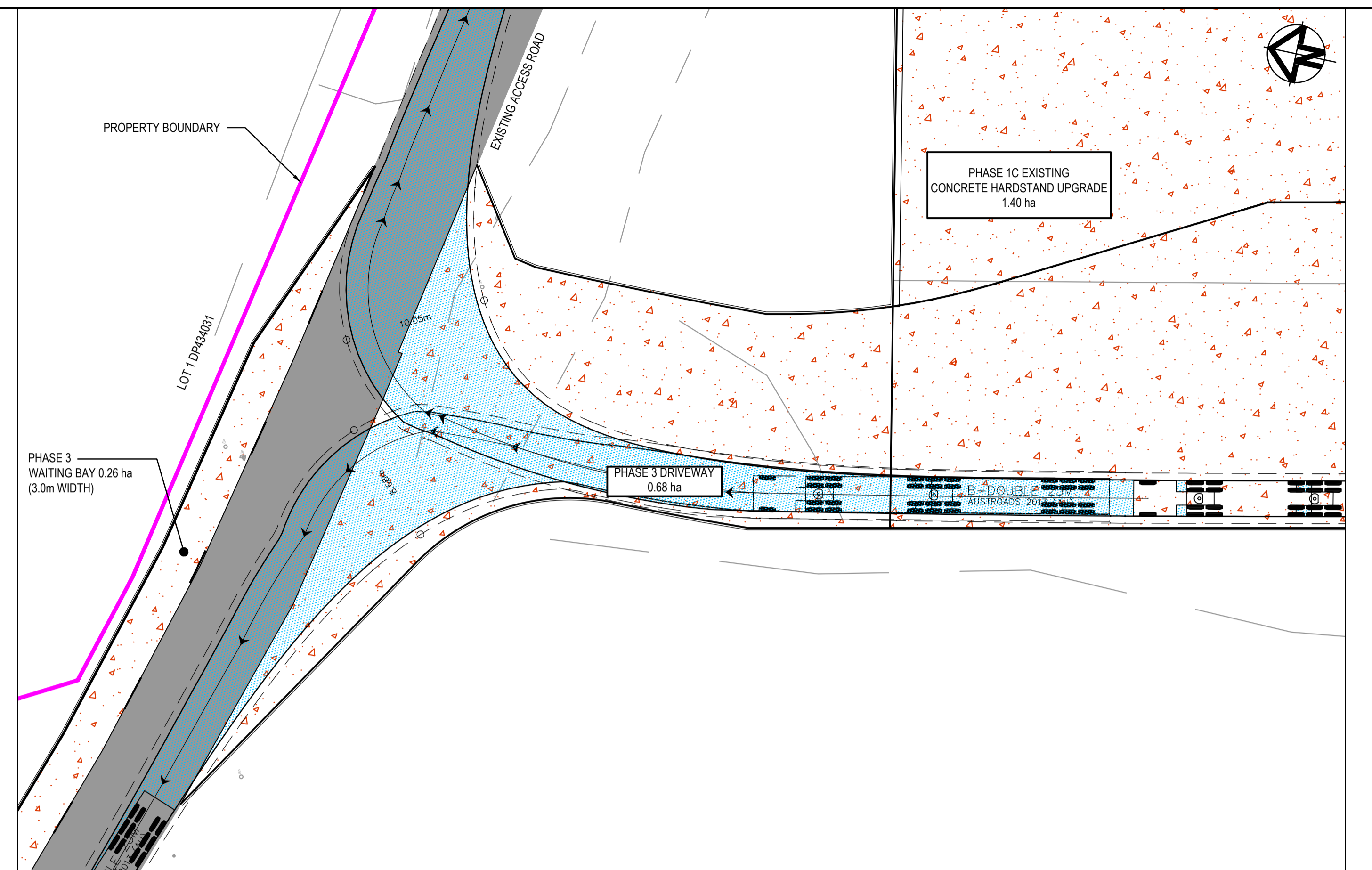
Civil Engineers and Project Managers

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ABN 96 130 882 405  
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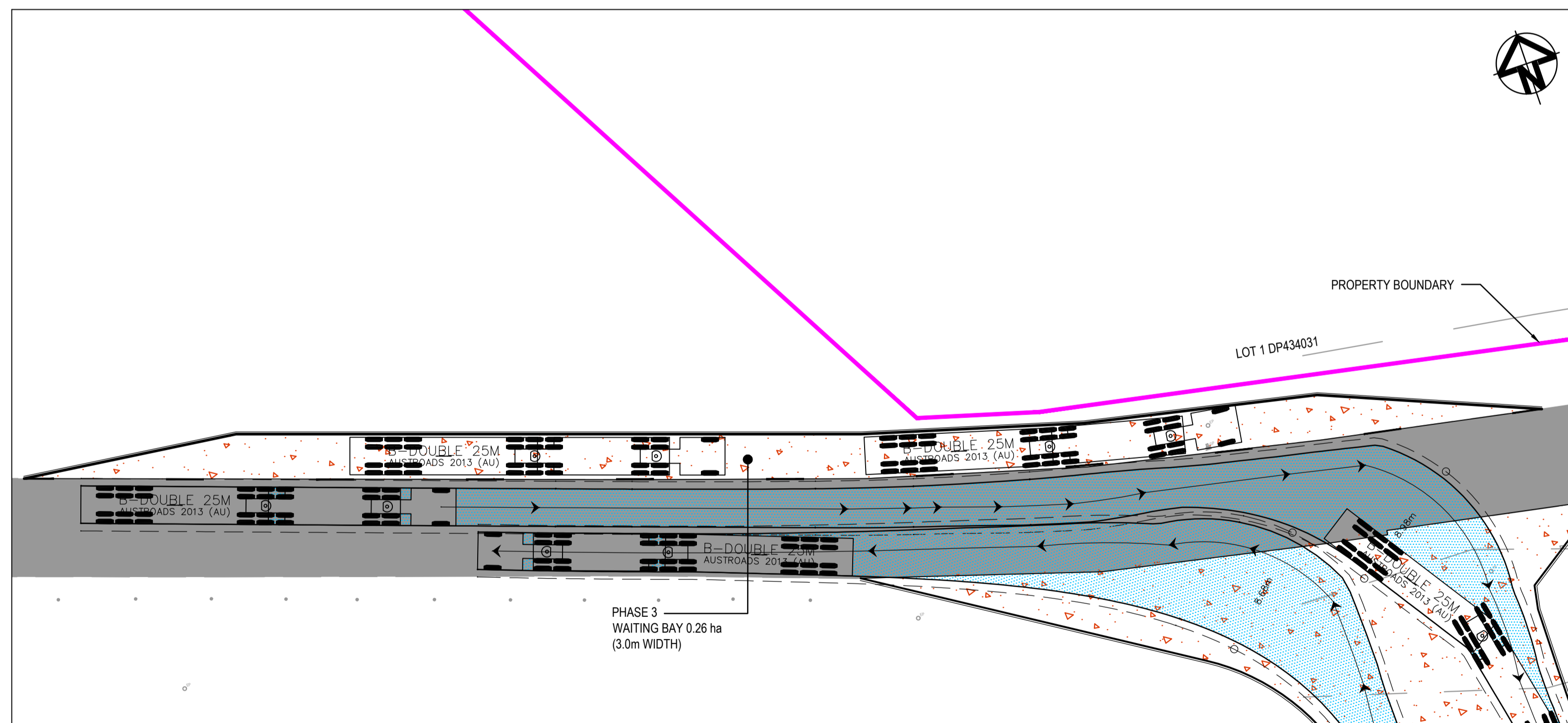
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| Status                | <b>FOR INFORMATION<br/>NOT FOR CONSTRUCTION</b> | A1    |
| Project - Drawing No. | C065                                            | Issue |
|                       | 20-782                                          | A     |



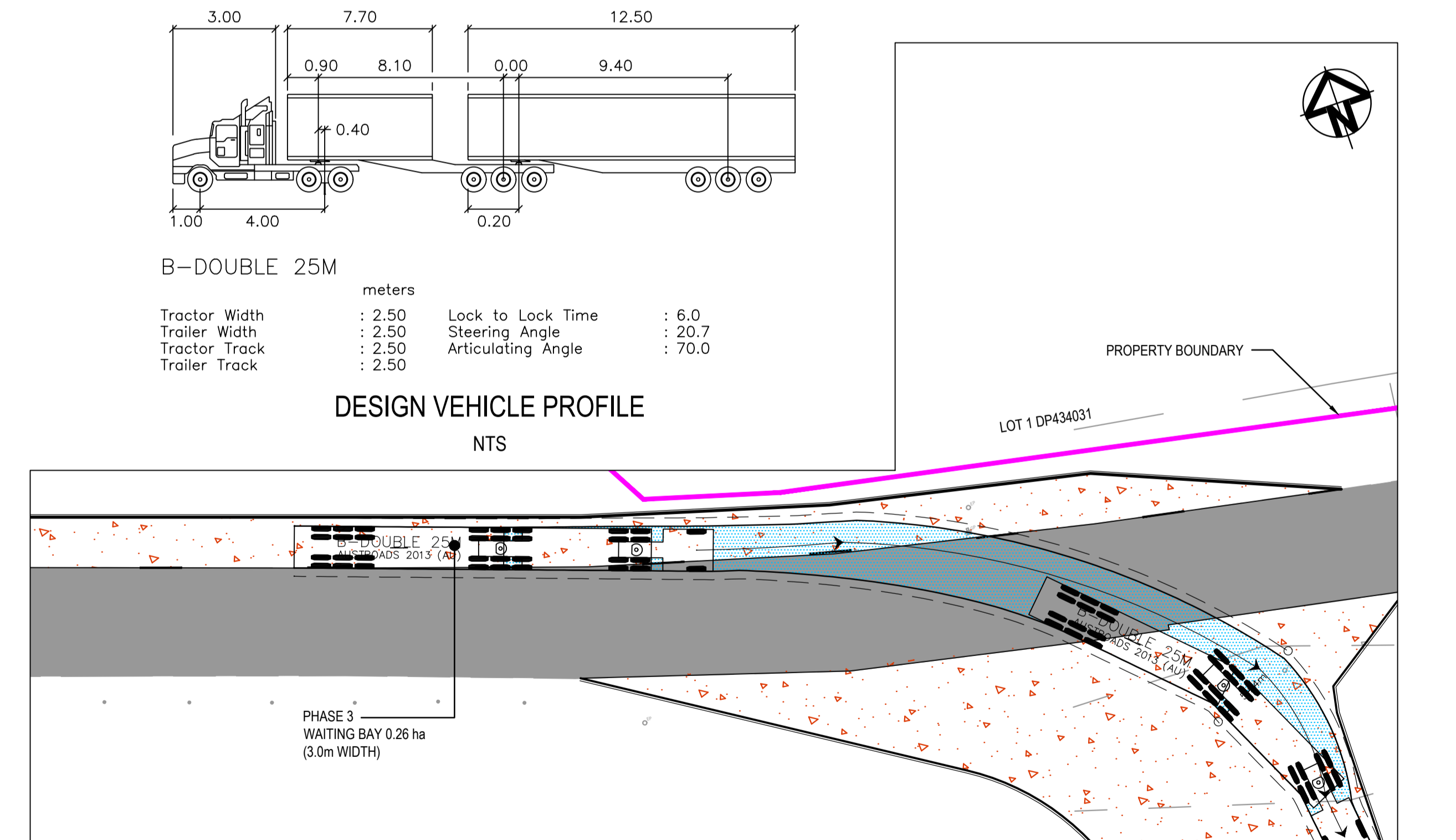
ENTRY FROM EXISTING ACCESS RD WEST  
1 : 250



EXIT TO EXISTING ACCESS RD EAST & WEST  
1 : 250

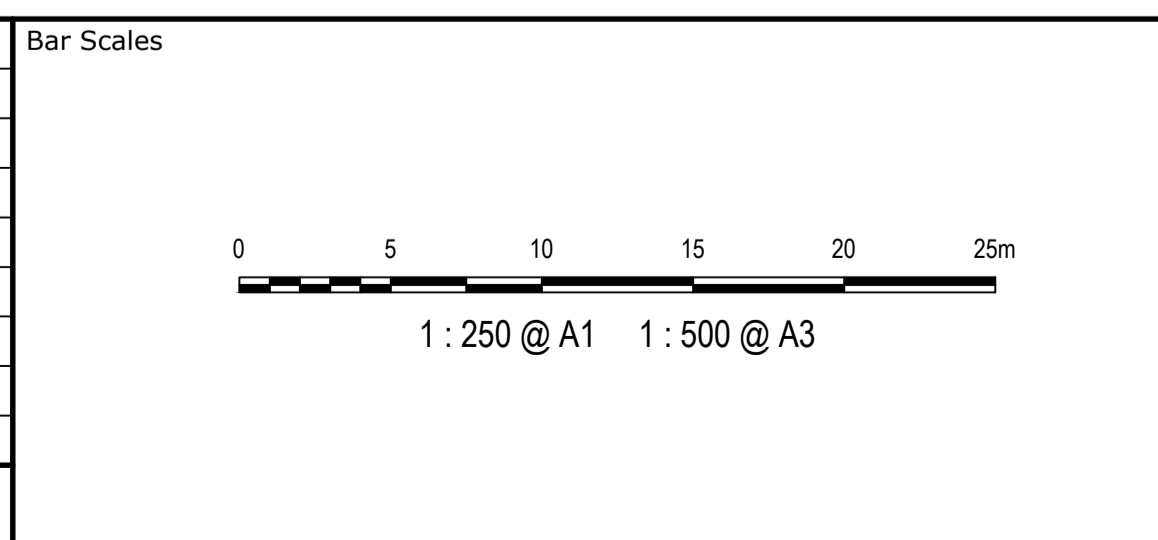


VEHICLES POSITIONED IN WAITING BAY  
1 : 250



TURN INTO SITE FROM WAITING BAY  
1 : 250

| Issue | Description                                       | Date     |
|-------|---------------------------------------------------|----------|
| C     | ISSUED FOR INFORMATION - GATEHOUSE LAYOUT AMENDED | 01-03-21 |
| B     | ISSUED FOR INFORMATION                            | 02-11-20 |
| A     | ISSUED FOR INFORMATION                            | 29-10-20 |



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|--------------|--------------|--------|
| Client       | Drawn        | ALS    |
|              | Designed     | ALS/OJ |
|              | Checked      | SH     |
|              | Approved     |        |
| Scales       | 1 : 250 @ A1 |        |
| Grid         | MGA          |        |
| Height Datum | AHD          |        |

Project  
**BRICKWORKS HORSLEY PARK PLANT 2 HARDSTAND EXTENSION**

Title  
**ENTRY/EXIT SWEEP PATH PLANS**

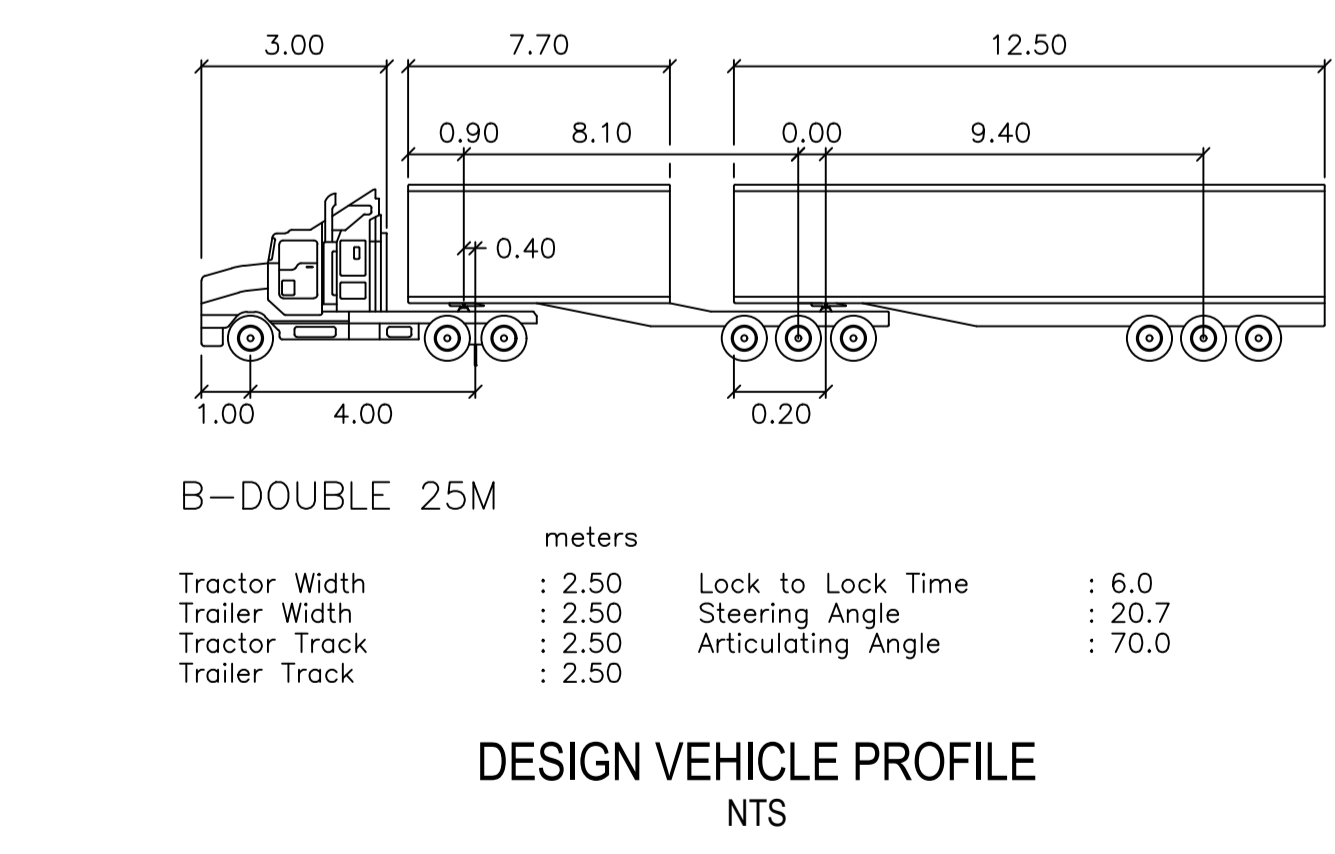
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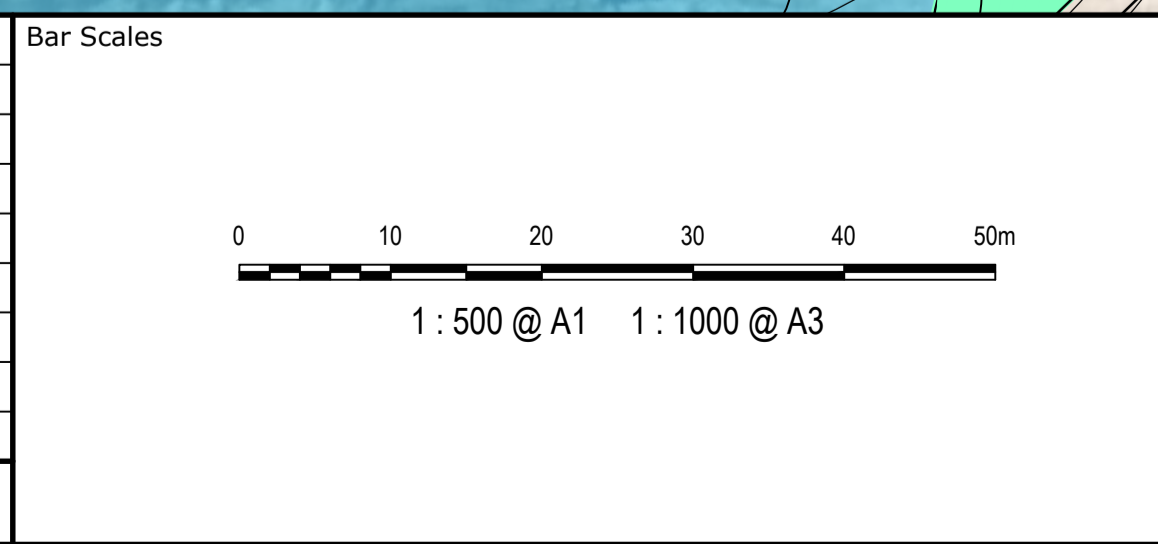
Status  
**FOR INFORMATION NOT TO BE USED FOR CONSTRUCTION**

Project - Drawing No.  
**20-782-SK-004**

|       |
|-------|
| A1    |
| Issue |
| C     |



| Issue | Description                                       | Date     |
|-------|---------------------------------------------------|----------|
| B     | ISSUED FOR INFORMATION - GATEHOUSE LAYOUT AMENDED | 01-03-21 |
| A     | ISSUED FOR INFORMATION                            | 25-02-21 |



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Client

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|--------------|--------------|----------|--------|
| Scales       | 1 : 500 @ A1 | Drawn    | ALS    |
|              |              | Designed | ALS/OJ |
| Grid         | MGA          | Checked  | SH     |
| Height Datum | AHD          | Approved |        |

Project

**BRICKWORKS  
HORSLEY PARK  
PLANT 2 HARDSTAND  
EXTENSION**

Title

**PRELIMINARY SWEEP  
PATH OVERALL PLAN**

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Status

**FOR INFORMATION  
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Project - Drawing No.  
**20-782-SK-003**

Issue

**B**