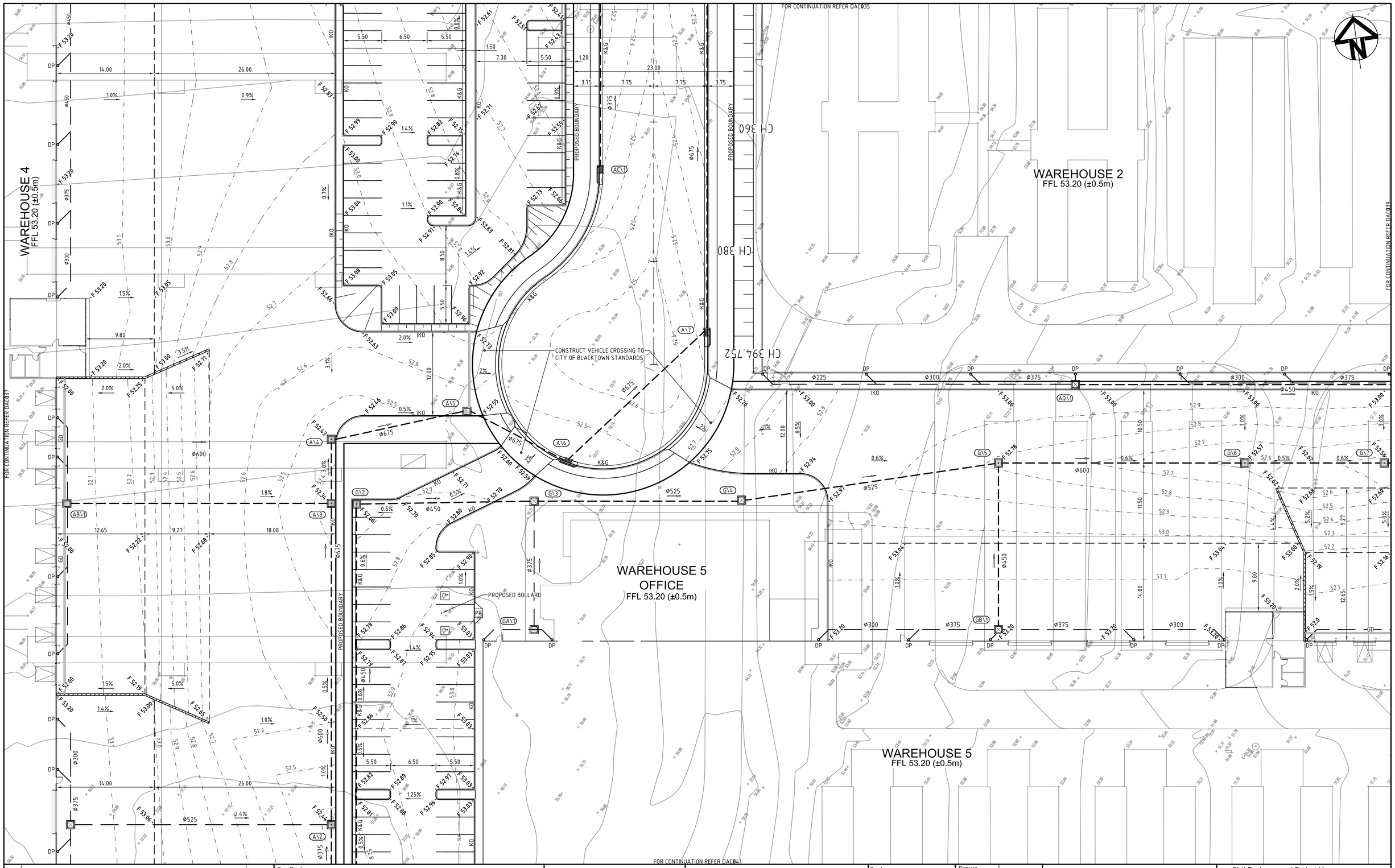



| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

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&L

Client

mirvac

| Scales | | Drawn | AH |
|---|---|---|---|
| 1:250 @ A1 | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project

60 WALLGROVE ROAD
INTERNAL WORKS

Title

SITEWORKS AND
STORMWATER DRAINAGE
PLAN
SHEET 8

Civil Engineers and Project Managers

at&l

Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

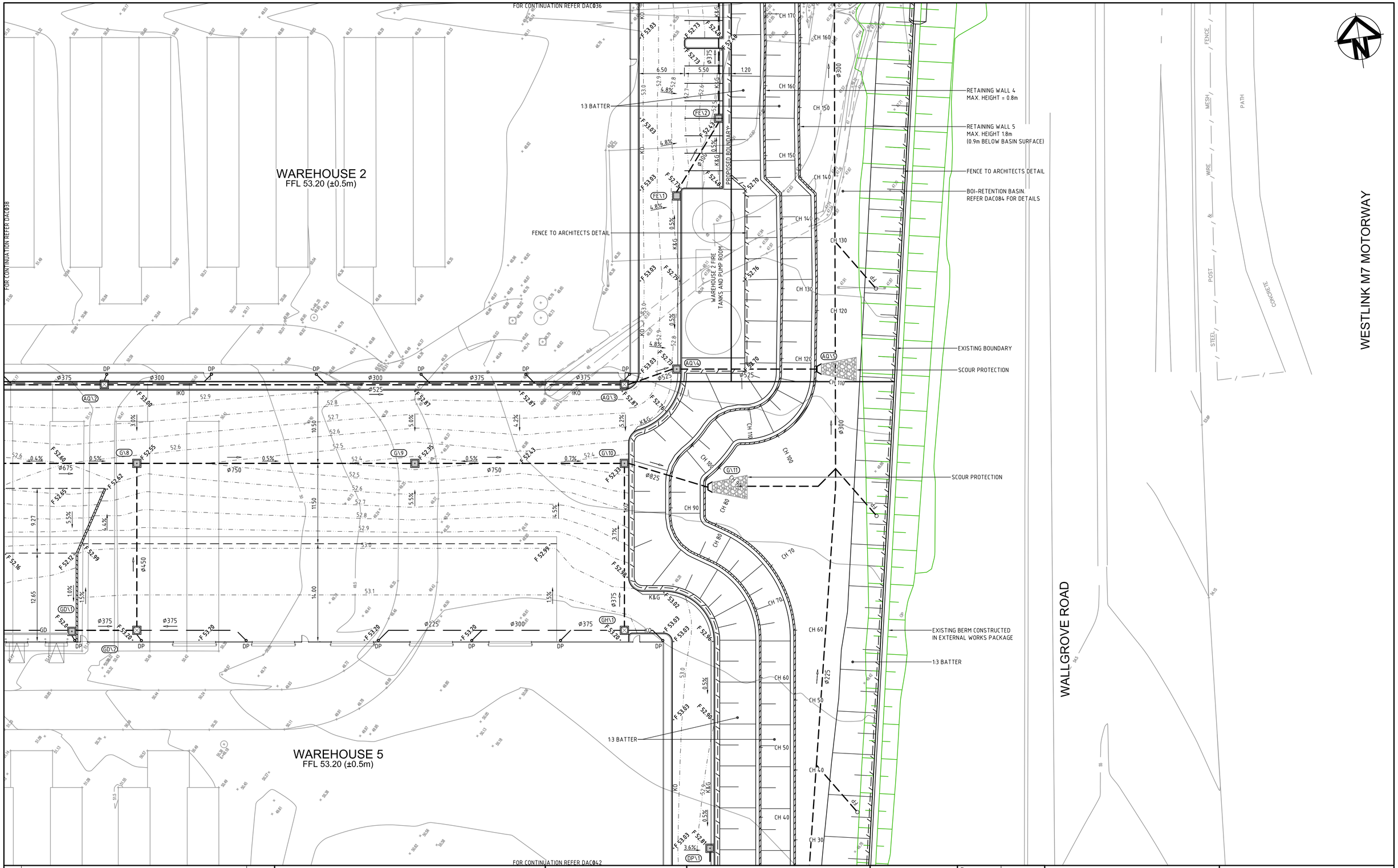
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC038 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC038.dwg




| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

100mm on Original

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

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&L

Client

mirvac

| | | | |
|---|---|---|---|
| Scales | 1:250 @ A1 | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project

60 WALLGROVE ROAD
INTERNAL WORKS

Title

SITEWORKS AND
STORMWATER DRAINAGE
PLAN
SHEET 9

Civil Engineers and Project Managers

at&l

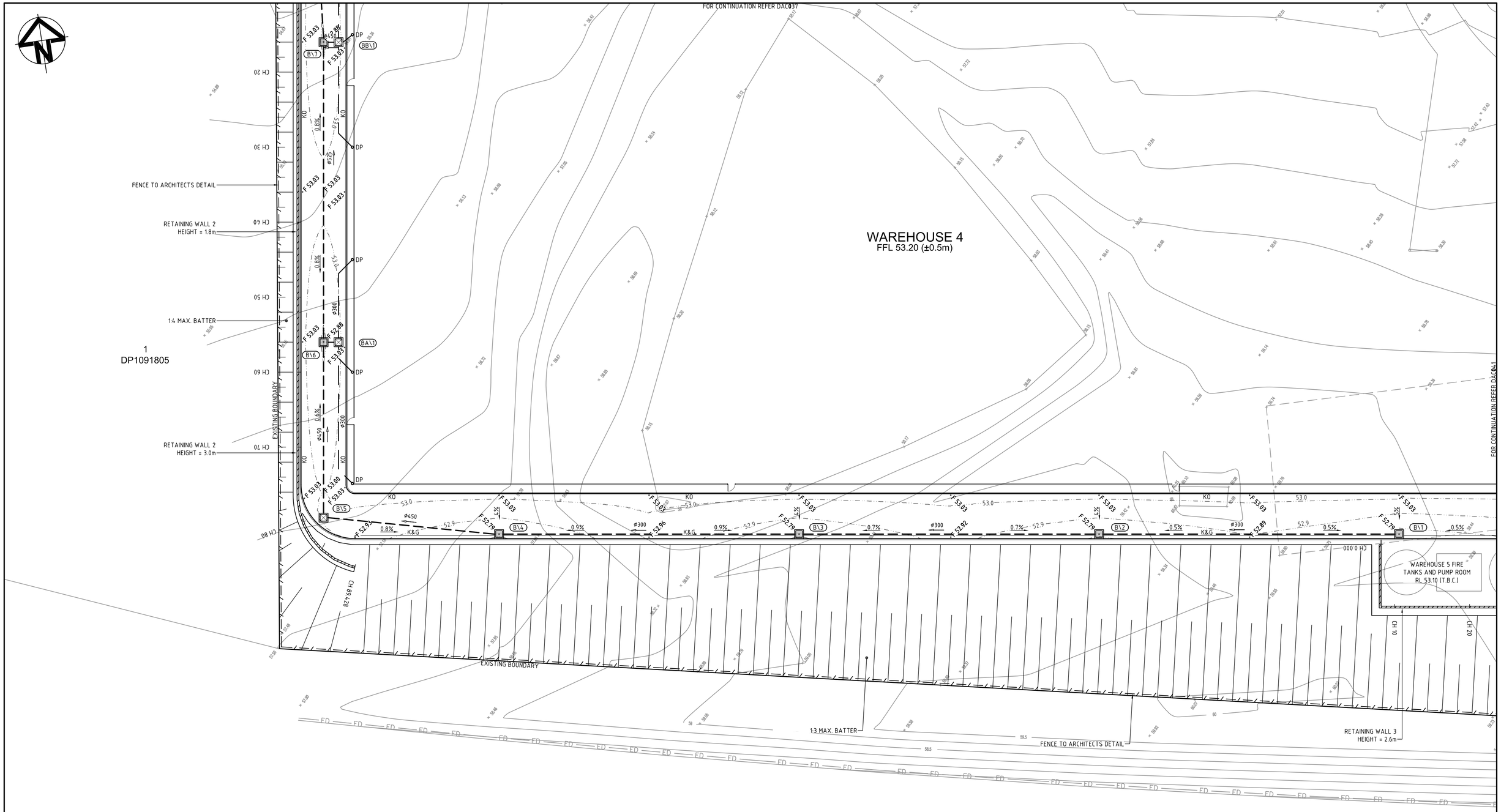
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC039 | 12-108 | B |

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC039.dwg




| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

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&L

Client

mirvac

| Scales | 1:250 @ A1 | Drawn | AH |
|---|---|---|---|
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project

60 WALLGROVE ROAD
INTERNAL WORKS

Title

SITEWORKS AND
STORMWATER DRAINAGE
PLAN
SHEET 10

Civil Engineers and Project Managers

at&l

Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

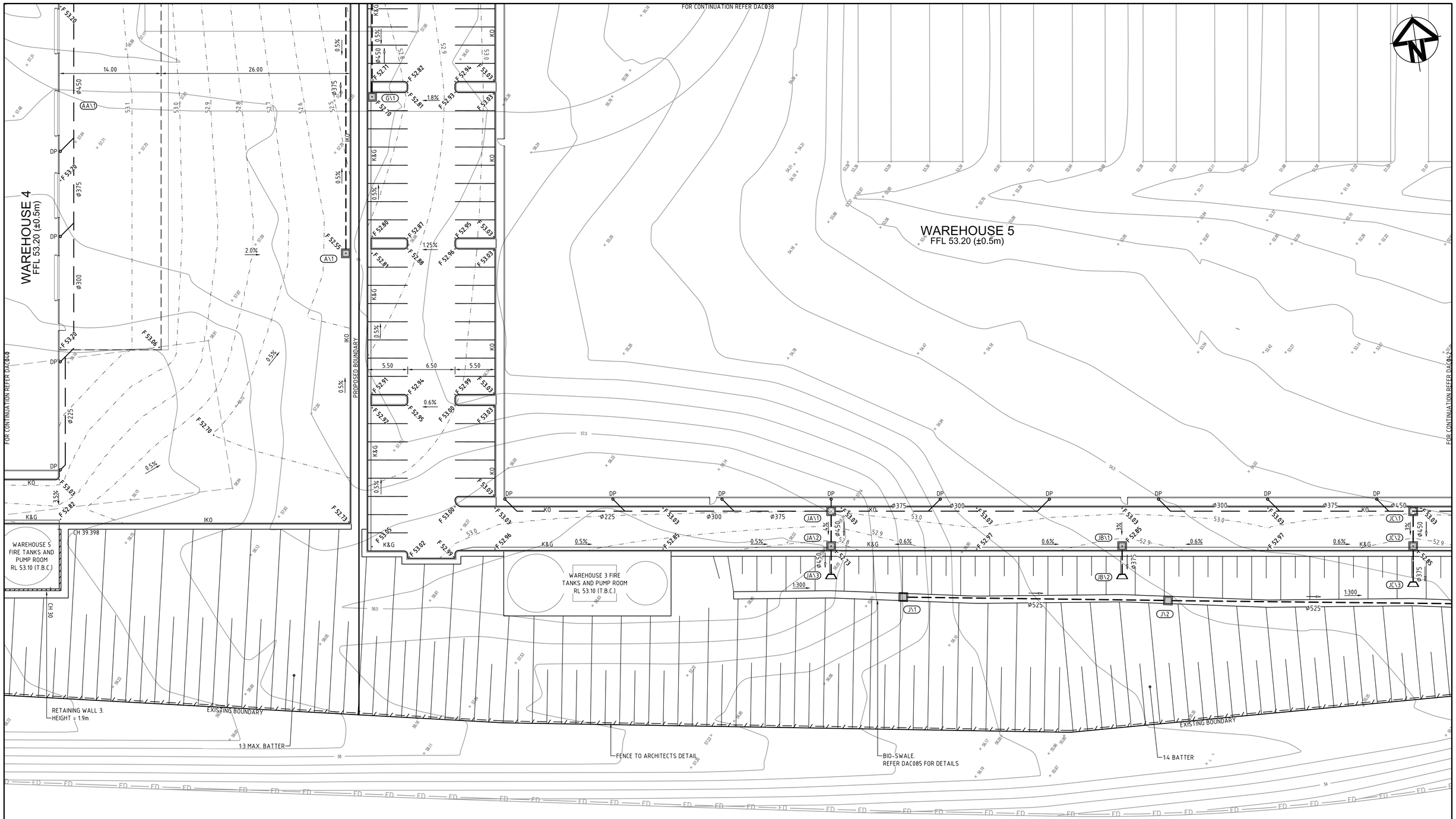
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC040 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC040.dwg




| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

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&L

Client

mirvac

| Scales | 1:250 @ A1 | Drawn | AH |
|---|---|---|---|
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project

60 WALLGROVE ROAD
INTERNAL WORKS

Title

SITEWORKS AND
STORMWATER DRAINAGE
PLAN
SHEET 11

Civil Engineers and Project Managers

at&l

Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

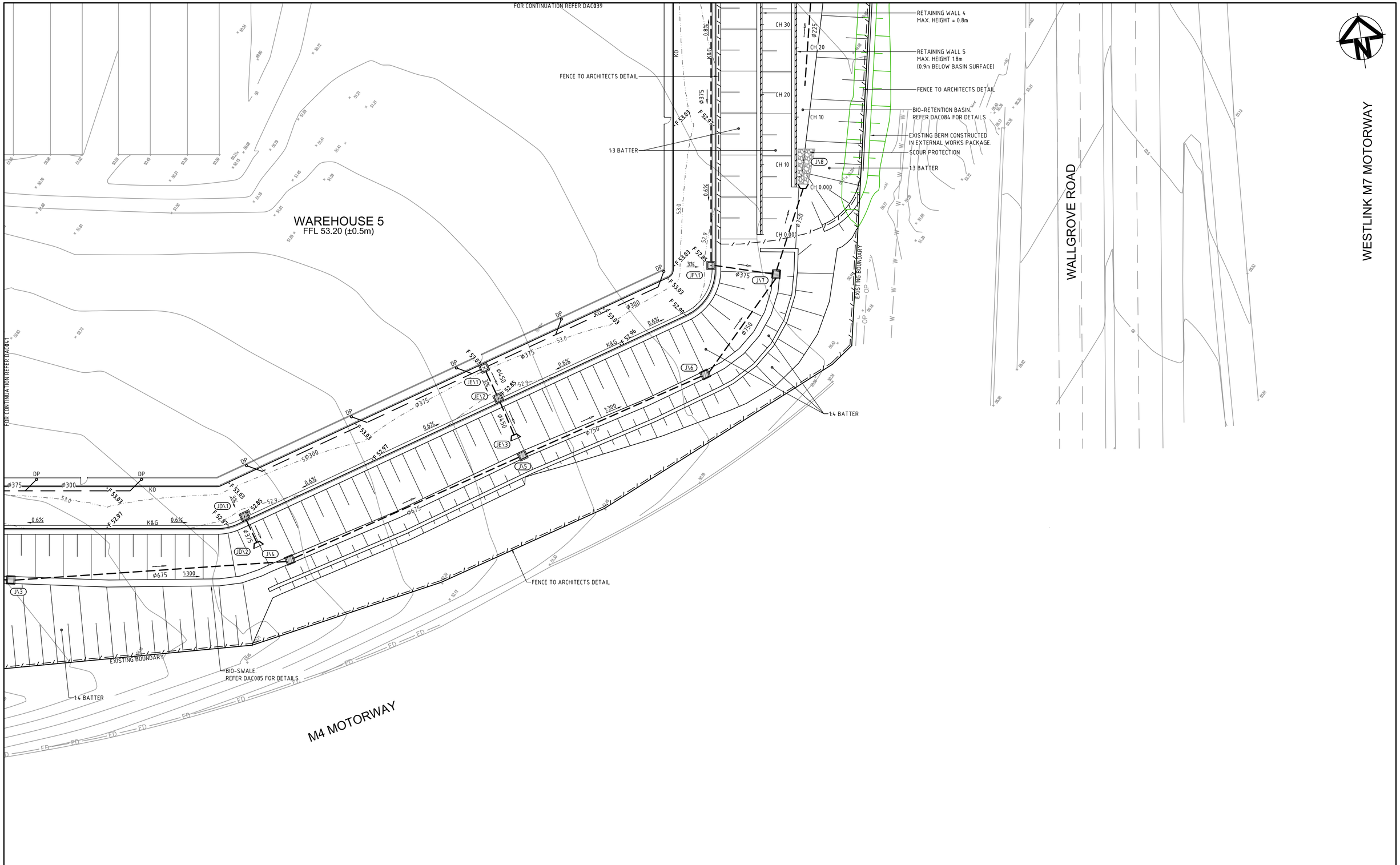
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC041 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC041.dwg




| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

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&L

Client

mirvac

| | | | |
|---|---|---|---|
| Scales | 1:250 @ A1 | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project

60 WALLGROVE ROAD
INTERNAL WORKS

Title

SITEWORKS AND
STORMWATER DRAINAGE
PLAN
SHEET 12

Civil Engineers and Project Managers

at&l

Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

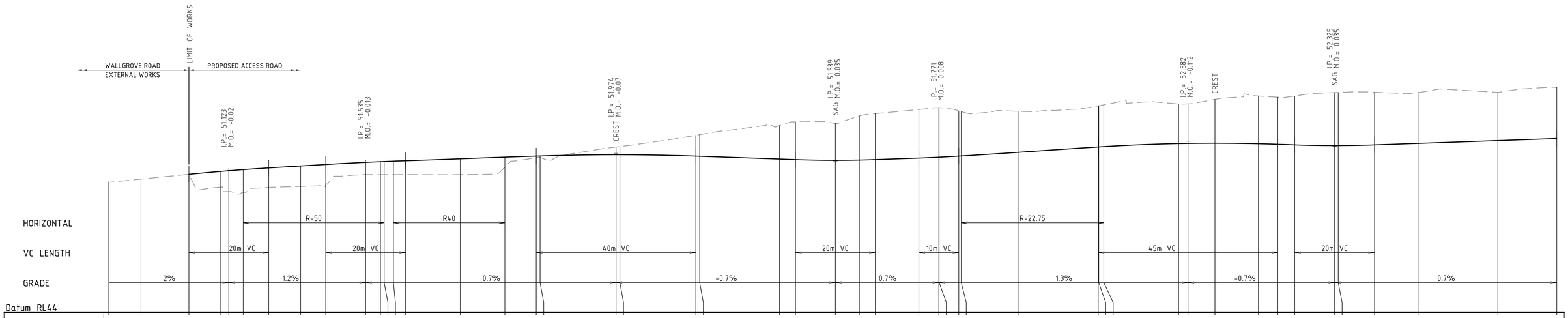
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

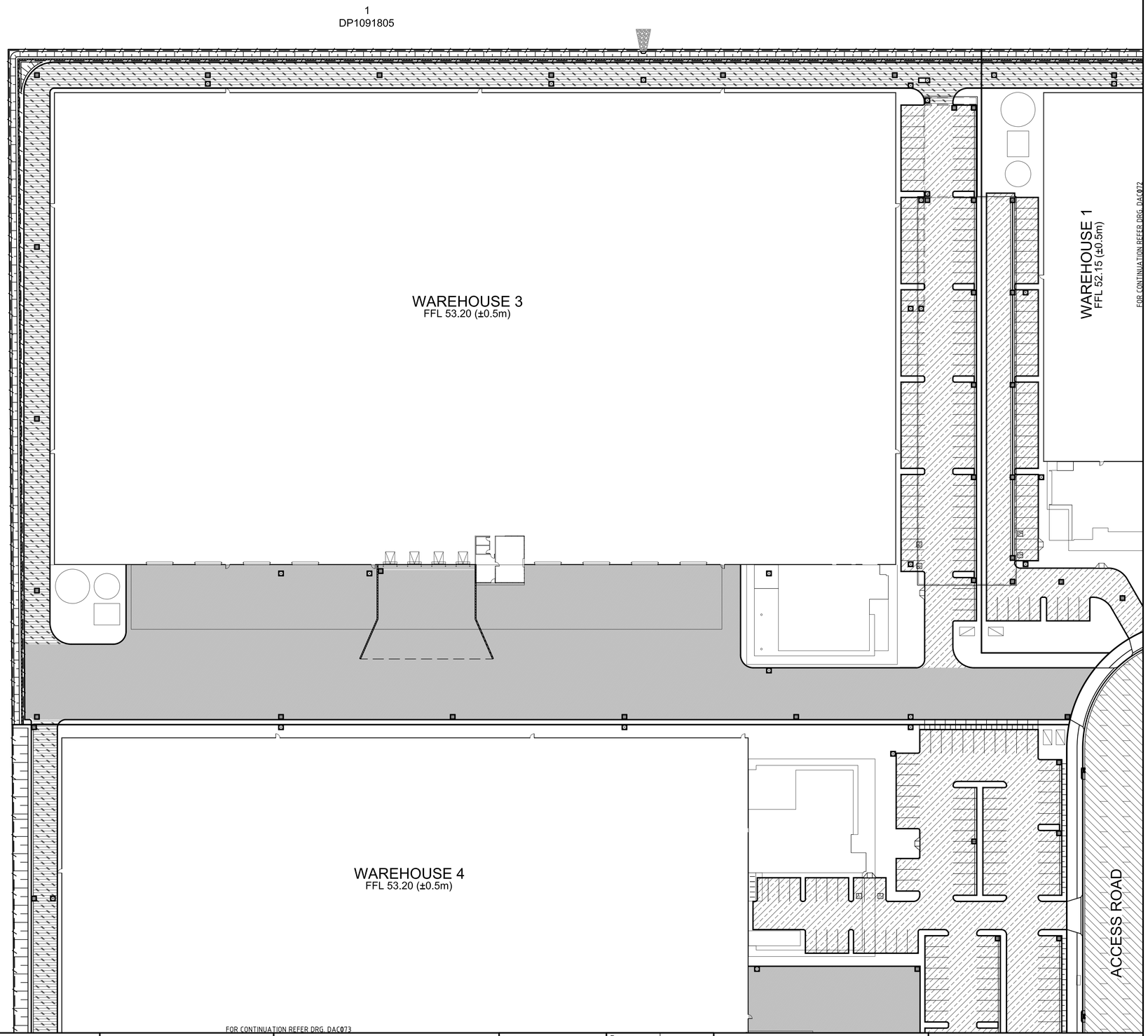
| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC042 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC042.dwg


WALLGROVE ROAD EXTERNAL WORKS
LIMIT OF WORKS
PROPOSED ACCESS ROAD
I.P.= 51.123 M.O.= -0.02
I.P.= 51.535 M.O.= -0.013
CREST I.P.= 51.974 M.O.= -0.07
SAG I.P.= 51.589 M.O.= 0.035
I.P.= 51.771 M.O.= 0.008
I.P.= 52.582 M.O.= -0.112
CREST
SAG I.P.= 52.395 M.O.= 0.035
HORIZONTAL
R-50
R40
R-22.75
VC LENGTH
20m VC
20m VC
40m VC
20m VC
10m VC
45m VC
20m VC
GRADE
2%
1.2%
0.7%
-0.7%
0.7%
1.3%
-0.7%
0.7%
Datum RL44

| | | |




1
DP1091805

## PAVEMENT LEGEND

- PAVEMENT TYPE 1 — HEAVY DUTY RIGID PAVEMENT
- PAVEMENT TYPE 2 — FLEXIBLE CAR PARK PAVEMENT
- PAVEMENT TYPE 3 — FLEXIBLE ROAD PAVEMENT
- PAVEMENT TYPE 4 — FLEXIBLE FIRE TRACK PAVEMENT

## NOTE:

1. INDUSTRIAL VEHICULAR CROSSINGS TO BE INSTALLED IN ACCORDANCE WITH BCC SPECIFICATIONS, REFER TO DRAWING A(BS)103S
2. FOOTPATHS TO BE INSTALLED IN ACCORDANCE WITH BCC SPECIFICATIONS.

| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

100mm on Original

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client: mirvac

| | | | |
|---|---|---|---|
| Scales | 1:500 @ A1 | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: PAVEMENT PLAN SHEET 1

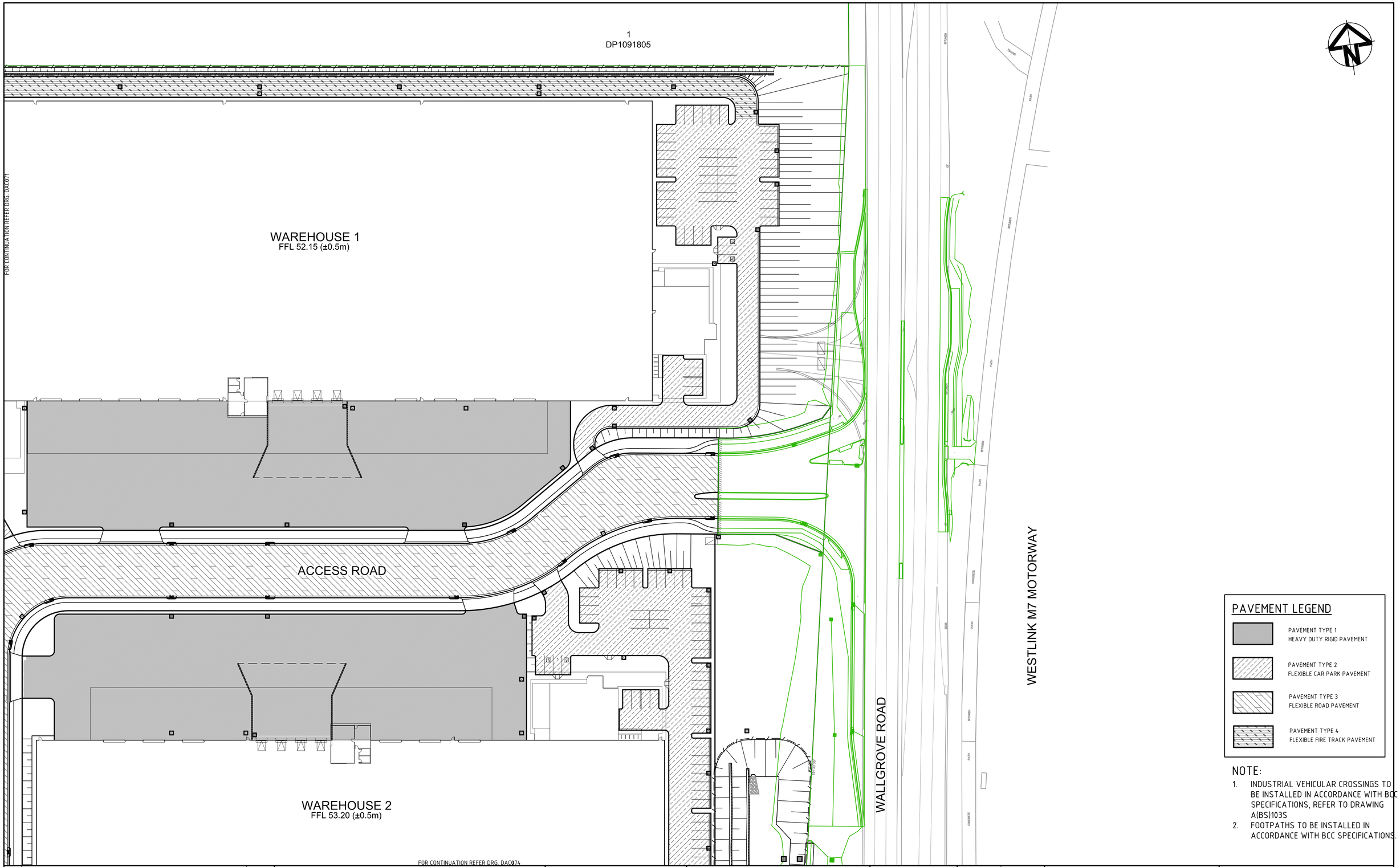
Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC071 | 12-108 | B |

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC071.dwg




## PAVEMENT LEGEND

- PAVEMENT TYPE 1 — HEAVY DUTY RIGID PAVEMENT
- PAVEMENT TYPE 2 — FLEXIBLE CAR PARK PAVEMENT
- PAVEMENT TYPE 3 — FLEXIBLE ROAD PAVEMENT
- PAVEMENT TYPE 4 — FLEXIBLE FIRE TRACK PAVEMENT

## NOTE:

1. INDUSTRIAL VEHICULAR CROSSINGS TO BE INSTALLED IN ACCORDANCE WITH BCC SPECIFICATIONS, REFER TO DRAWING A(BS)103S
2. FOOTPATHS TO BE INSTALLED IN ACCORDANCE WITH BCC SPECIFICATIONS.

| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client: mirvac

| | | | |
|---|---|---|---|
| Scales | 1:500 @ A1 | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: PAVEMENT PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

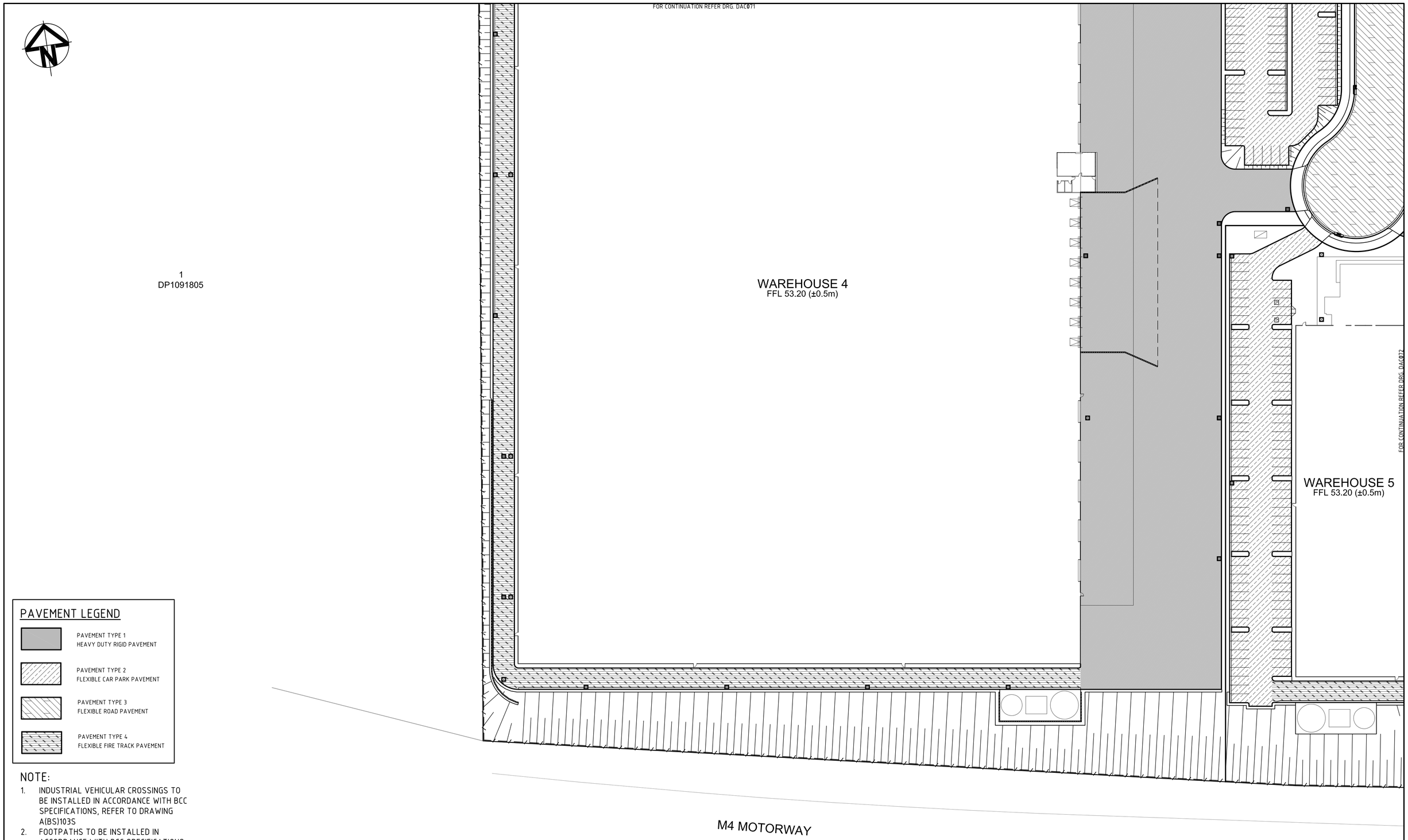
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC072 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC072.dwg




## PAVEMENT LEGEND

- PAVEMENT TYPE 1 — HEAVY DUTY RIGID PAVEMENT
- PAVEMENT TYPE 2 — FLEXIBLE CAR PARK PAVEMENT
- PAVEMENT TYPE 3 — FLEXIBLE ROAD PAVEMENT
- PAVEMENT TYPE 4 — FLEXIBLE FIRE TRACK PAVEMENT

## NOTE:

1. INDUSTRIAL VEHICULAR CROSSINGS TO BE INSTALLED IN ACCORDANCE WITH BCC SPECIFICATIONS, REFER TO DRAWING A(BS)103S
2. FOOTPATHS TO BE INSTALLED IN ACCORDANCE WITH BCC SPECIFICATIONS.

| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client: mirvac

| Scales | 1:500 @ A1 | Drawn | AH |
|---|---|---|---|
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: PAVEMENT PLAN SHEET 3

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

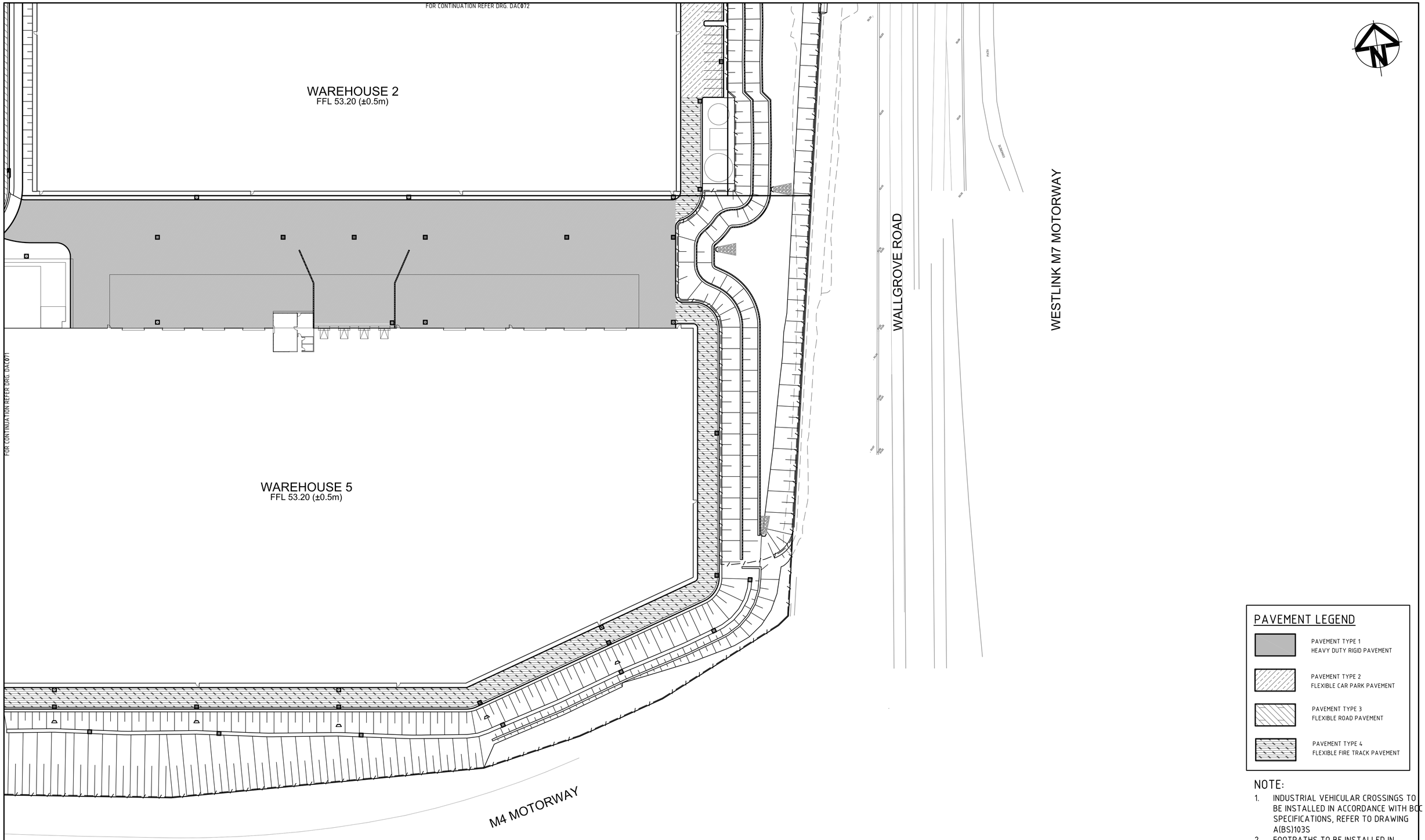
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC073 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC073.dwg




## PAVEMENT LEGEND

- PAVEMENT TYPE 1 — HEAVY DUTY RIGID PAVEMENT
- PAVEMENT TYPE 2 — FLEXIBLE CAR PARK PAVEMENT
- PAVEMENT TYPE 3 — FLEXIBLE ROAD PAVEMENT
- PAVEMENT TYPE 4 — FLEXIBLE FIRE TRACK PAVEMENT

## NOTE:

1. INDUSTRIAL VEHICULAR CROSSINGS TO BE INSTALLED IN ACCORDANCE WITH BCC SPECIFICATIONS, REFER TO DRAWING A(BS)103S
2. FOOTPATHS TO BE INSTALLED IN ACCORDANCE WITH BCC SPECIFICATIONS.

| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client: mirvac

| | | | |
|---|---|---|---|
| Scales | 1:500 @ A1 | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: PAVEMENT PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

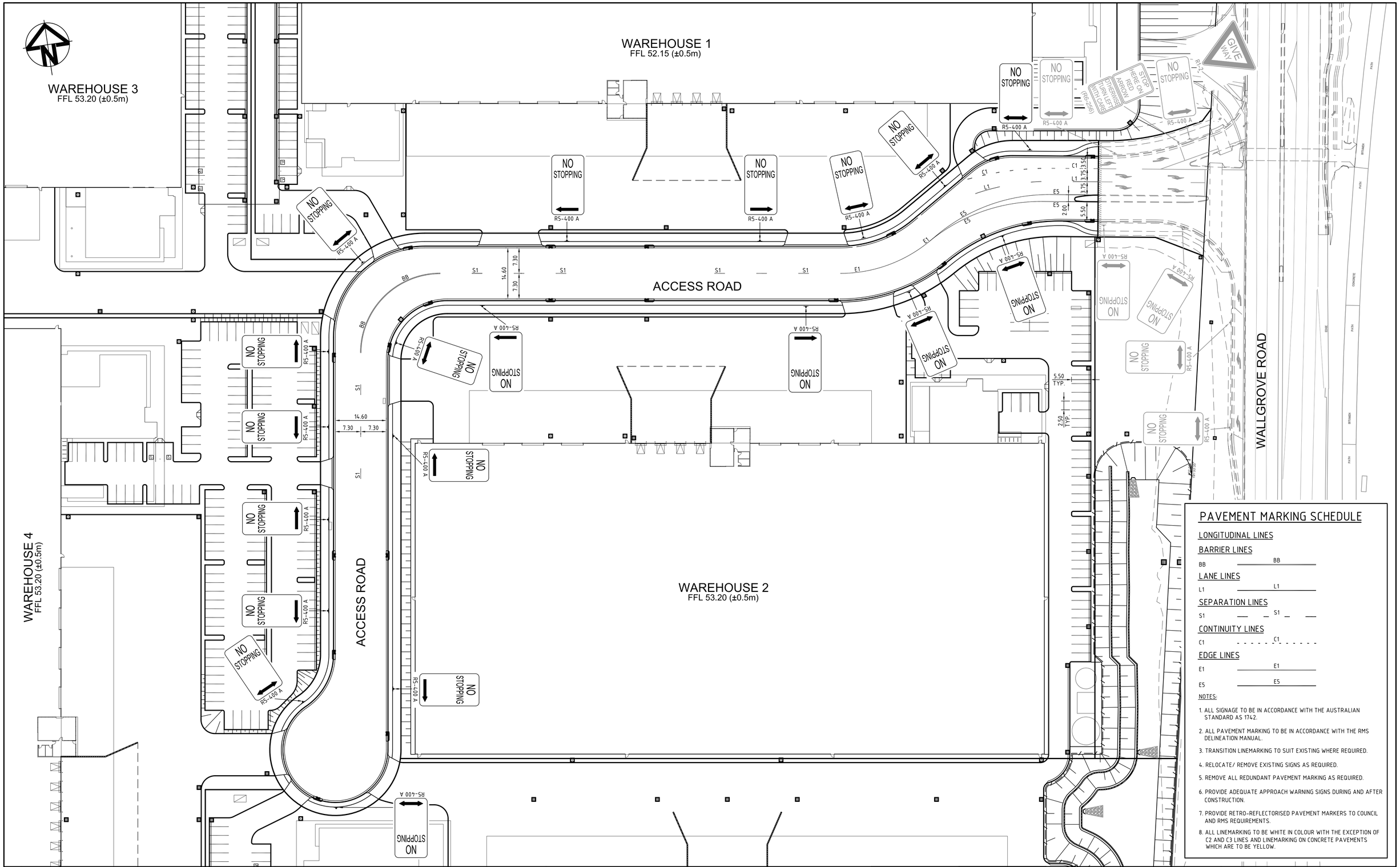
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC074 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC074.dwg




## PAVEMENT MARKING SCHEDULE

LONGITUDINAL LINES

BARRIER LINES

BB — BB

LANE LINES

L1 — L1

SEPARATION LINES

S1 — S1

CONTINUITY LINES

C1 — C1

EDGE LINES

E1 — E1

E5 — E5

NOTES:

1. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742.
2. ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE RMS DELINEATION MANUAL.
3. TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED.
4. RELOCATE/ REMOVE EXISTING SIGNS AS REQUIRED.
5. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.
6. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.
7. PROVIDE RETRO-REFLECTORISED PAVEMENT MARKERS TO COUNCIL AND RMS REQUIREMENTS.
8. ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES AND LINEMARKING ON CONCRETE PAVEMENTS WHICH ARE TO BE YELLOW.

| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client: mirvac

| Scales | 1:500 @ A1 | Drawn | AH |
|---|---|---|---|
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: LINEMARKING AND SIGNAGE PLAN

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

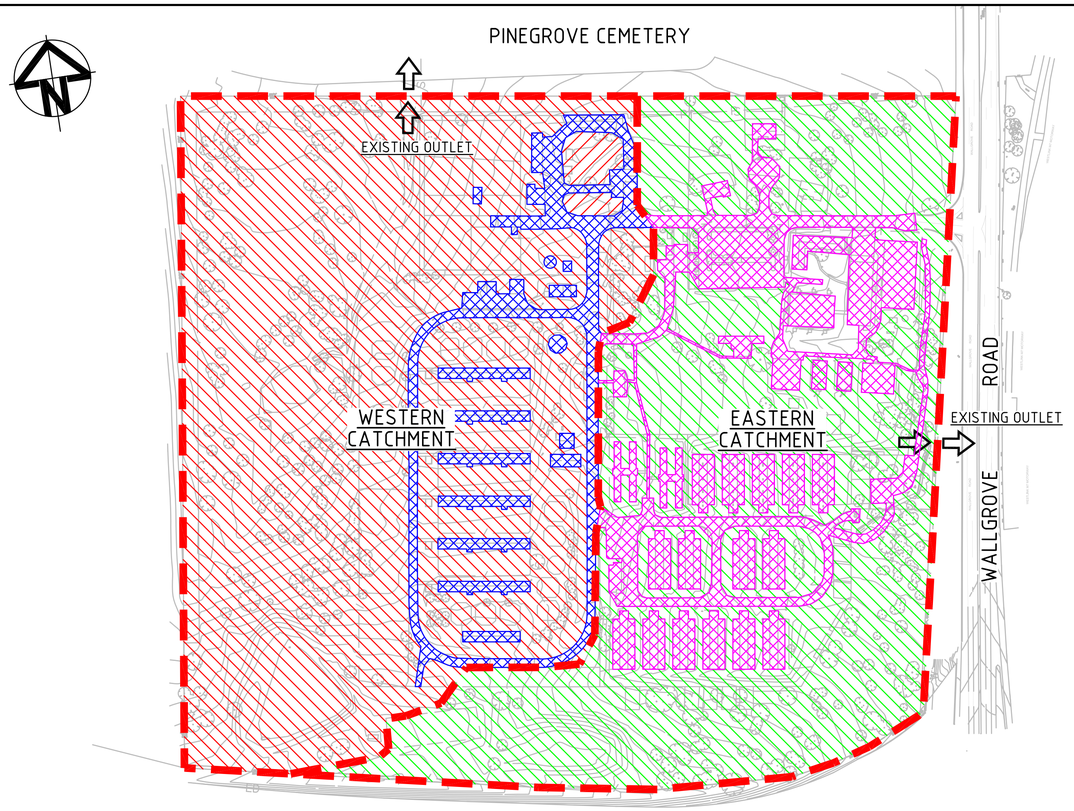
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

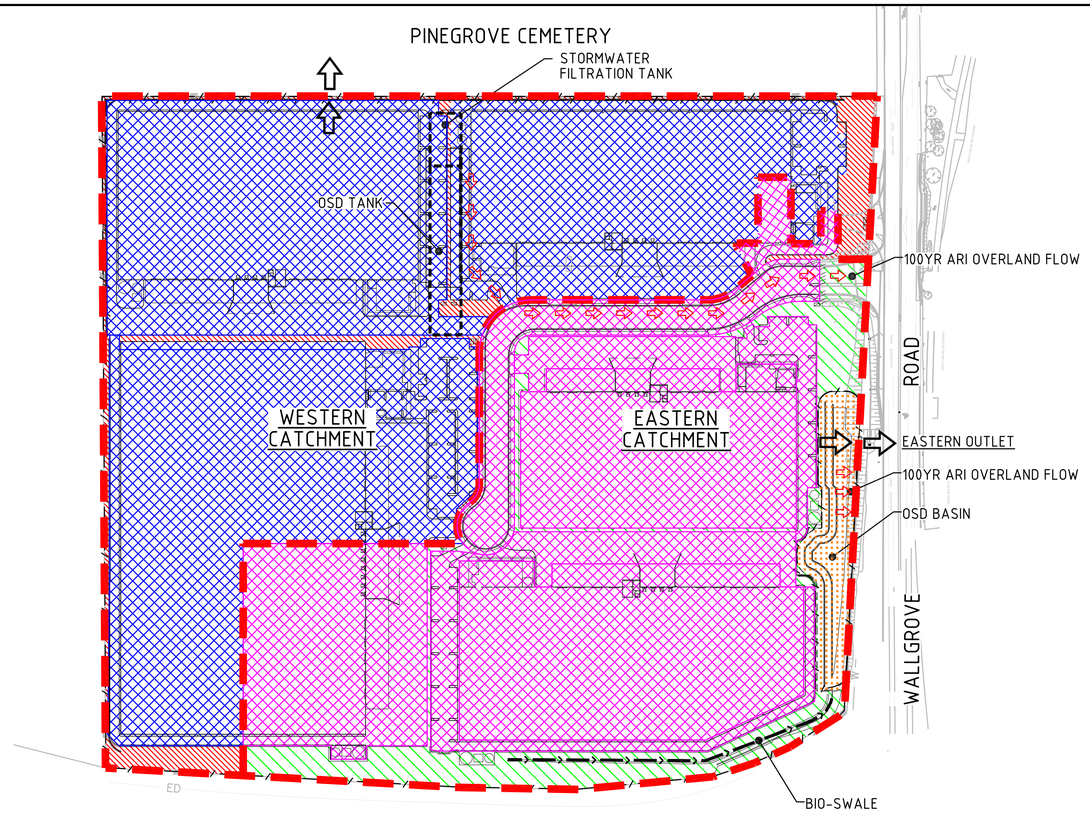
| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC075 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC075.dwg




PRE-DEVELOPMENT CATCHMENTS PLAN
SCALE 1 : 2000




POST-DEVELOPMENT CATCHMENTS PLAN
SCALE 1 : 2000

## PRE-DEVELOPMENT CATCHMENTS

TOTAL SITE AREA = 21.88 ha

### WESTERN CATCHMENT

TOTAL AREA = 11.46 ha

IMPERVIOUS AREAS = 1.175 ha (10%)

PERVIOUS AREAS = 10.285 ha (90%)

### EASTERN CATCHMENT

TOTAL AREA = 10.42ha

IMPERVIOUS AREAS = 4.12 ha (39%)

PERVIOUS AREAS = 6.30 ha (61%)

## POST-DEVELOPMENT CATCHMENTS

TOTAL SITE AREA = 21.88 ha

### WESTERN CATCHMENT

TOTAL AREA = 11.52 ha

IMPERVIOUS AREAS = 10.51 ha (92%)

PERVIOUS AREAS = 1.01 ha (8%)

### EASTERN CATCHMENT

TOTAL AREA = 10.36ha

IMPERVIOUS AREAS = 8.51 ha (82%)

PERVIOUS AREAS = 1.85 ha (18%)

## ON-SITE DETENTION DETAILS

### WESTERN CATCHMENT - UNDERGROUND DETENTION TANK

PROPOSED TANK VOLUME = 3450m$^3$ AT RL 50.86

### EASTERN CATCHMENT - ABOVE GROUND DETENTION BASIN

PROPOSED BASIN VOLUME = 3000m$^3$ AT RL 49.59

| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 50 100 150 200m

1 : 2000 @ A1

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&L

Client: mirvac

| | | | |
|---|---|---|---|
| Scales | 1:2000 @ A1 | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: PRE/POST DEVELOPMENT CATCHMENT PLAN

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

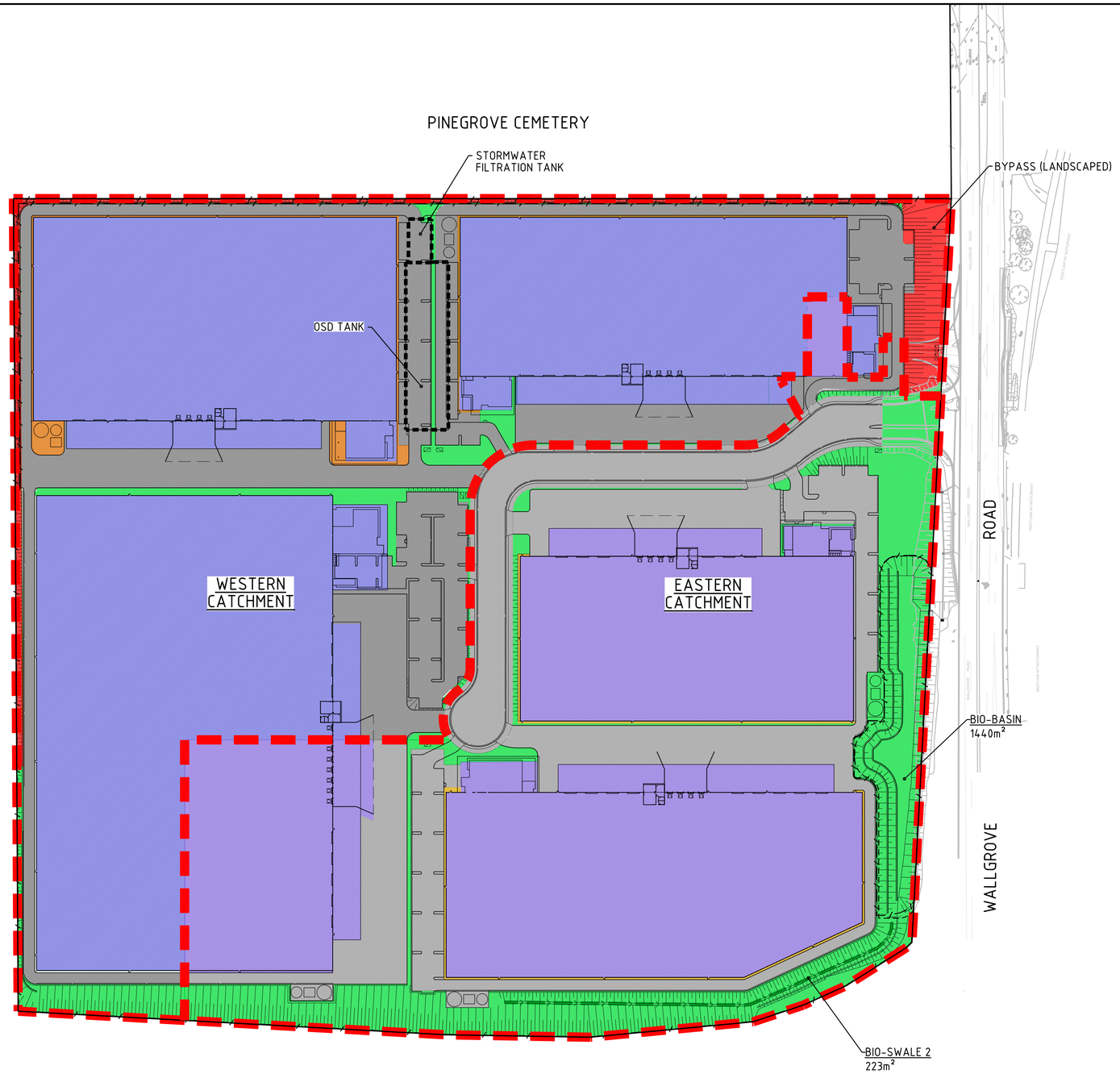
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC081 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC081.dwg




## OVERALL CATCHMENT

TOTAL SITE AREA = 21.88 ha

| | WESTERN CATCHMENT | EASTERN CATCHMENT |
|---|---|---|
| TOTAL AREA | = 11.52 ha | = 10.36ha |
| ROOF AREAS | = 7.80 ha | = 5.57 ha |
| ROAD AREAS | = 2.69 ha | = 2.86 ha |
| OTHER AREAS | = 0.20 ha | = 0.08 ha |
| LANDSCAPED AREAS | = 0.40 ha | = 1.85 ha |
| BYPASS AREAS (LANDSCAPE) | = 0.43 ha | |

| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

100mm on Original

Bar Scales

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&L

Client: mirvac

| | | | |
|---|---|---|---|
| Scales | NTS | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: OVERALL CATCHMENT PLAN

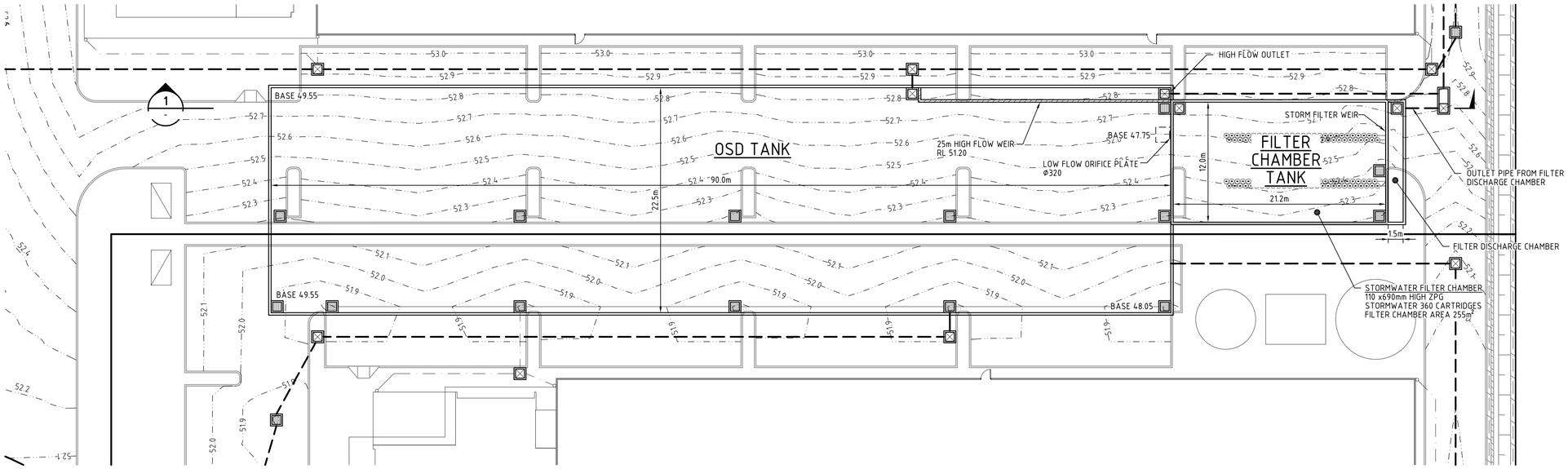
Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

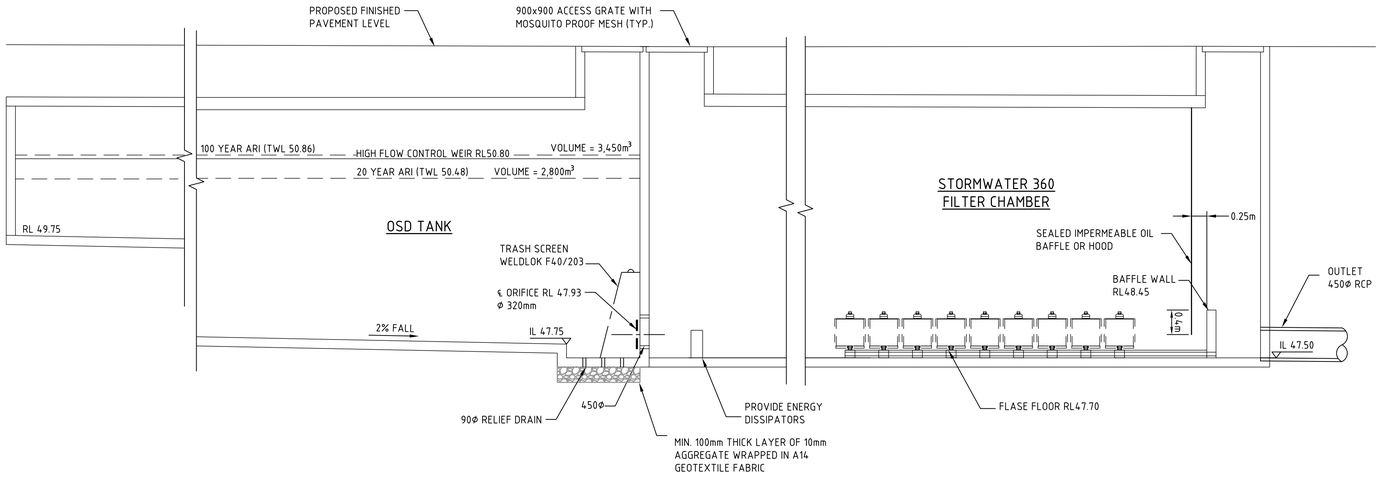
| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC082 | 12-108 | B |

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC082.dwg




## PLAN

SCALE 1 : 250




## SECTION 1 / -

1 : 50

| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 1 2 3 4 5m

1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

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&L

Client: mirvac

| Scales | NTS | Drawn | AH |
|---|---|---|---|
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: ONSITE DETENTION TANK PLAN AND DETAILS

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

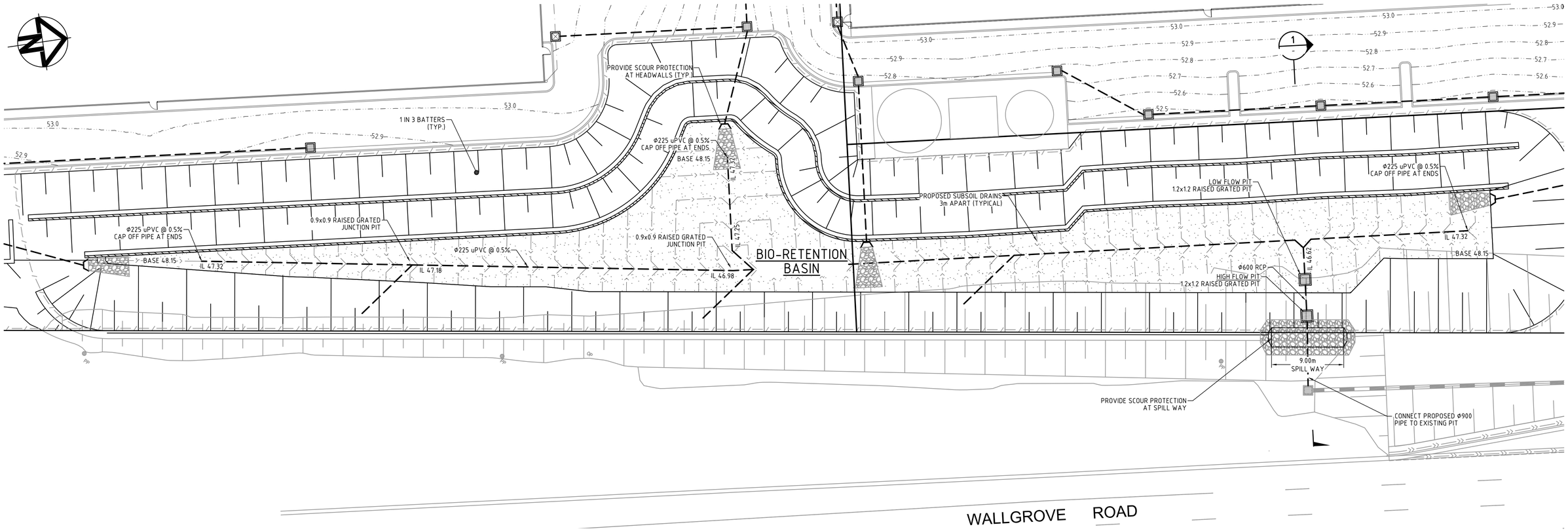
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

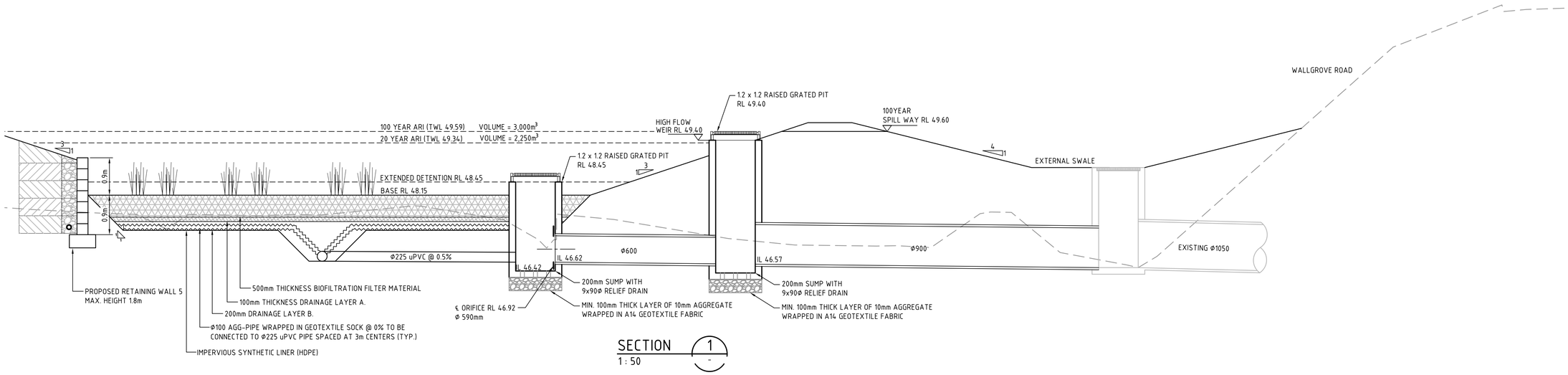
| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC083 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC083.dwg




PLAN
SCALE 1 : 250




SECTION 1
1 : 50

| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

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&L

Client: mirvac

| | | | |
|---|---|---|---|
| Scales | NTS | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: BIO-RETENTION BASIN PLAN AND DETAILS

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

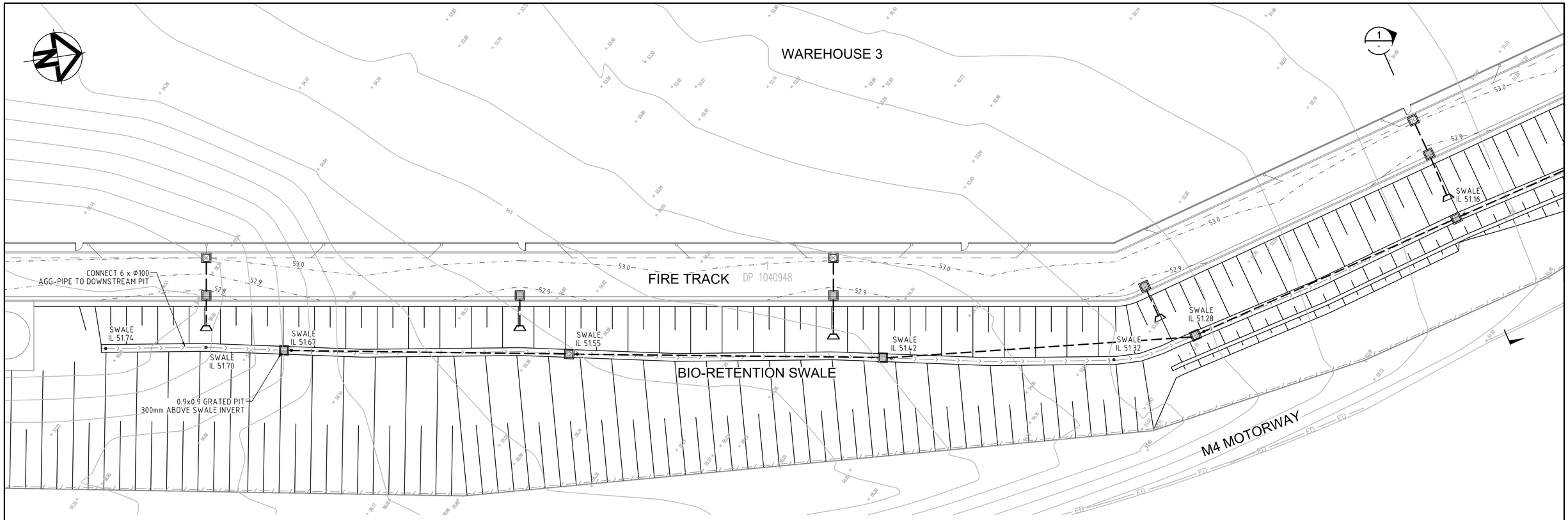
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

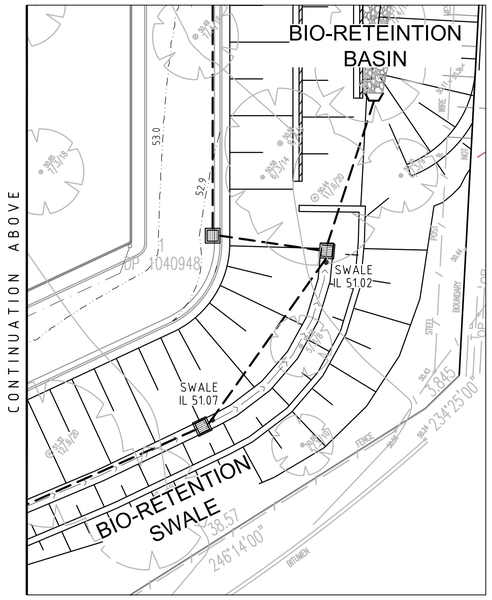
| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC084 | 12-108 | B |

100mm on Original

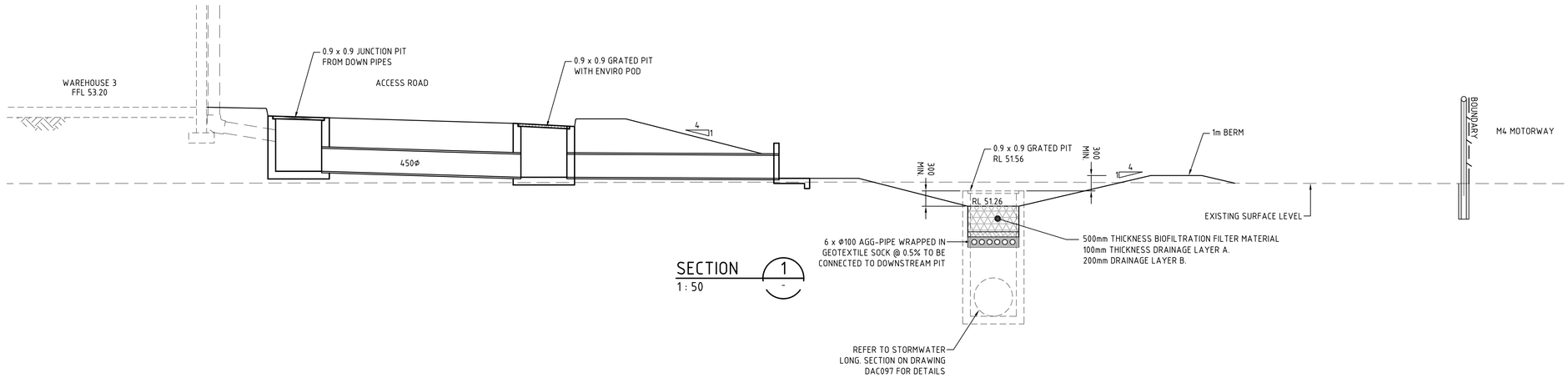
F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC084.dwg




PLAN
SCALE 1 : 250




PLAN
SCALE 1 : 250




SECTION 1
1 : 50

| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

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&L

Client: mirvac

| Scales | NTS | Drawn | AH |
|---|---|---|---|
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: BIO-SWALE PLAN AND DETAILS

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

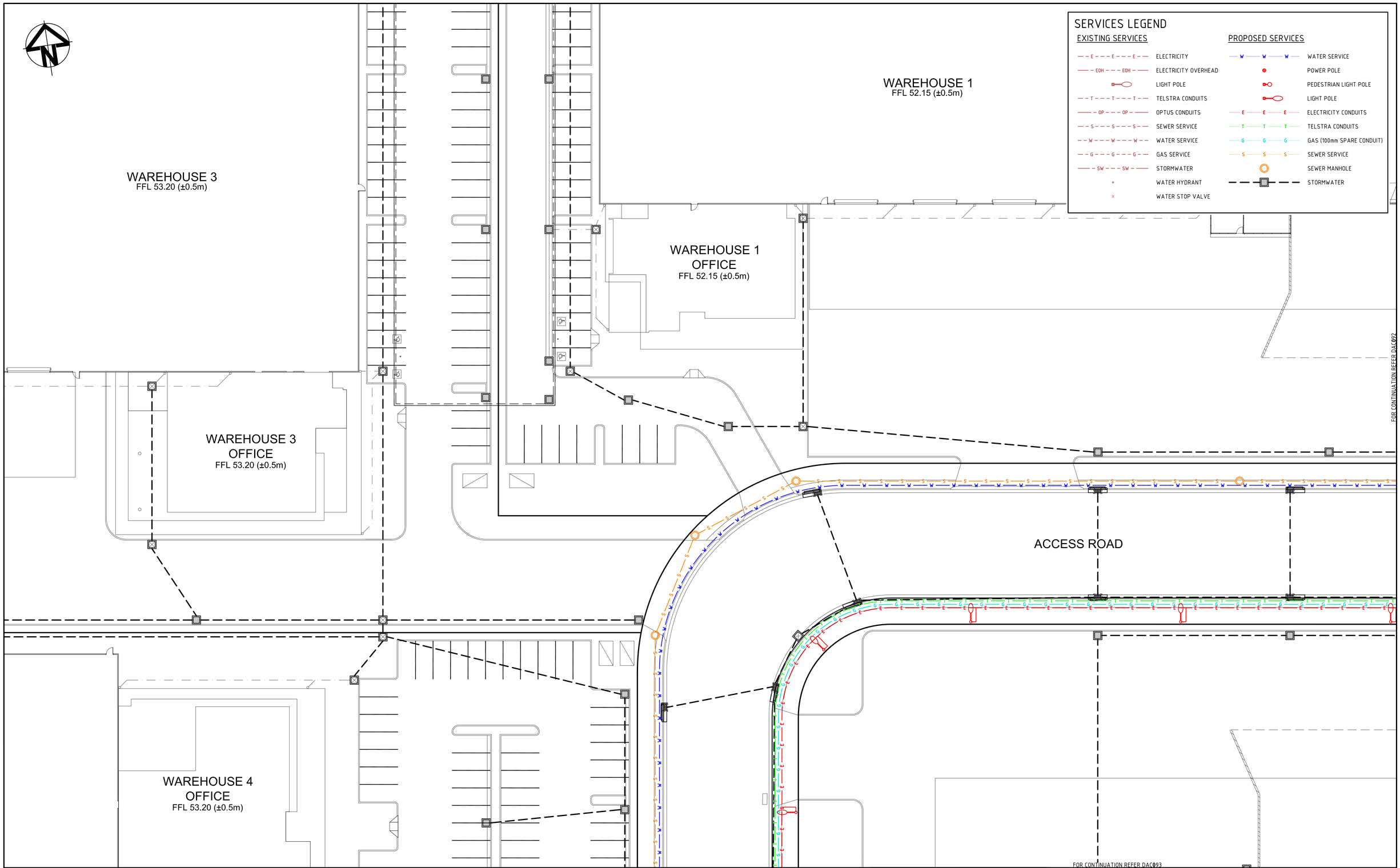
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC085 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC085.dwg




| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client

mirvac

| | | | |
|---|---|---|---|
| Scales | 1:500 @ A1 | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project

60 WALLGROVE ROAD
INTERNAL WORKS

Title

SERVICES COORDINATION PLAN
SHEET 1

Civil Engineers and Project Managers

at&l

Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

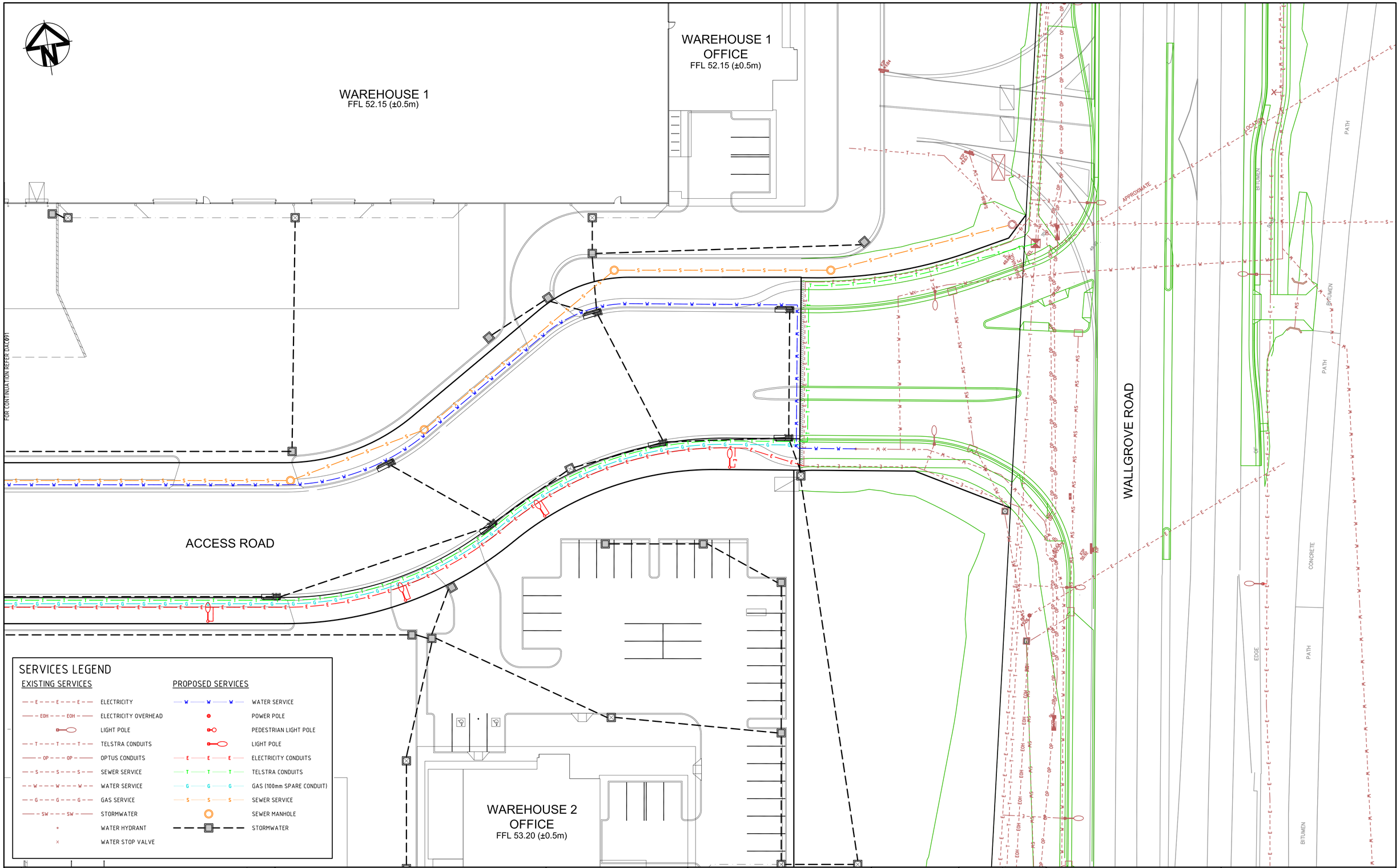
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC091 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC091.dwg




| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client

mirvac

| Scales | 1:500 @ A1 | Drawn | AH |
|---|---|---|---|
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project

60 WALLGROVE ROAD
INTERNAL WORKS

Title

SERVICES COORDINATION PLAN
SHEET 2

Civil Engineers and Project Managers

at&l

Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

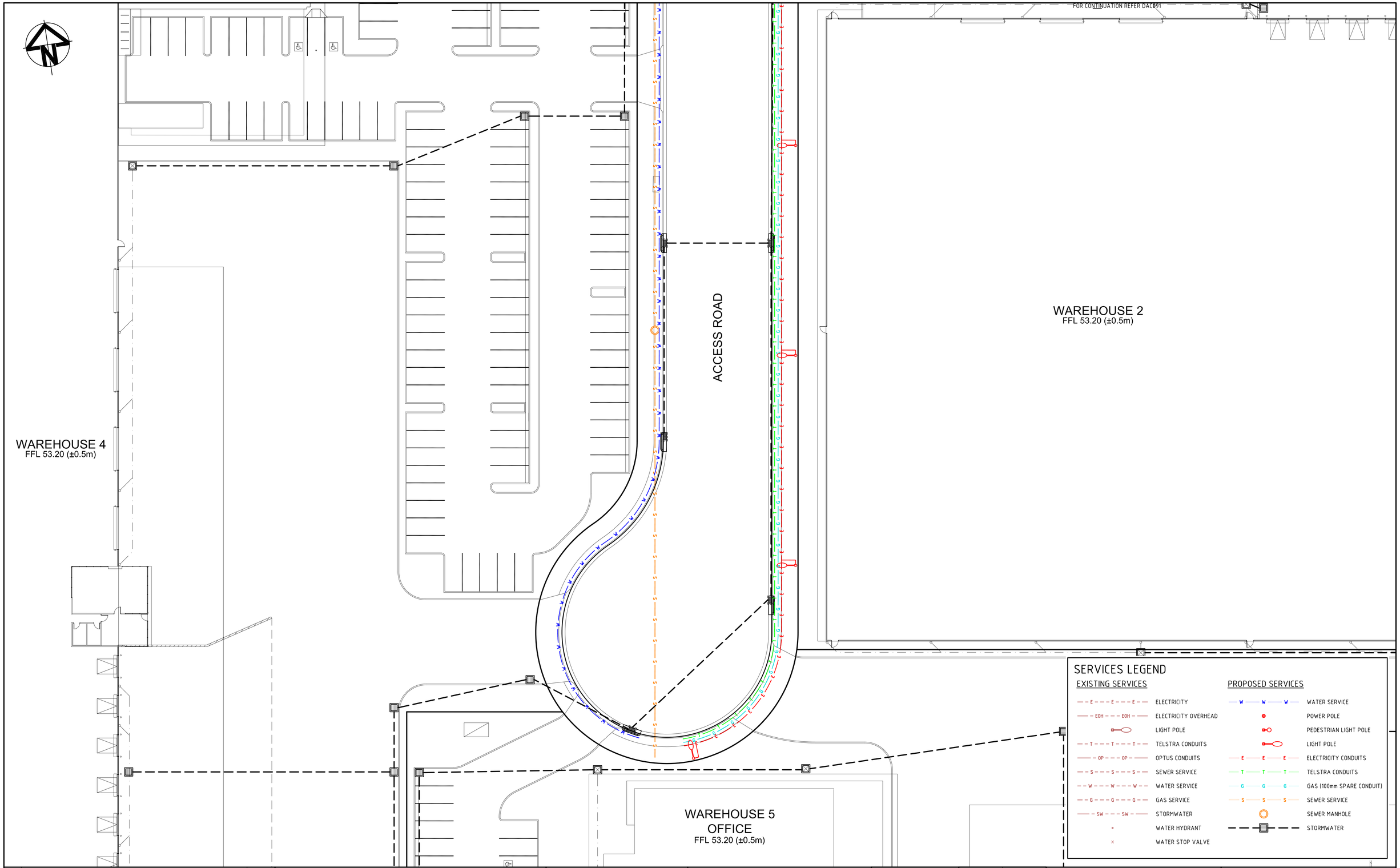
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC092 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC092.dwg




| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client

mirvac

| Scales | 1:500 @ A1 | Drawn | AH |
|---|---|---|---|
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project

60 WALLGROVE ROAD
INTERNAL WORKS

Title

SERVICES COORDINATION PLAN
SHEET 3

Civil Engineers and Project Managers

at&l

Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

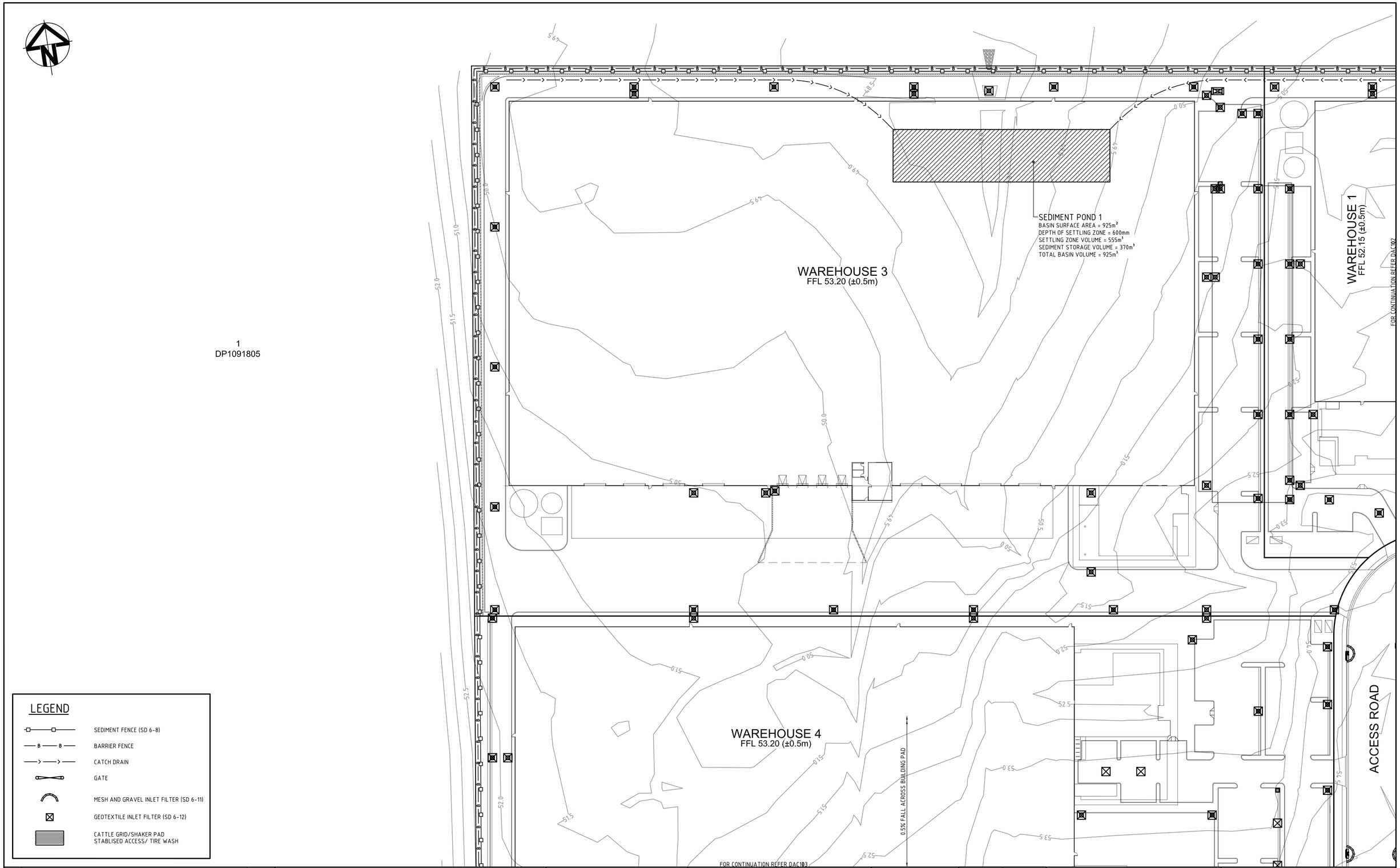
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC093 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC093.dwg




| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client

mirvac

| | | | |
|---|---|---|---|
| Scales | 1:500 @ A1 | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project

60 WALLGROVE ROAD
INTERNAL WORKS

Title

EROSION AND
SEDIMENTATION CONTROL
PLAN
SHEET 1

Civil Engineers and Project Managers

at&l

Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

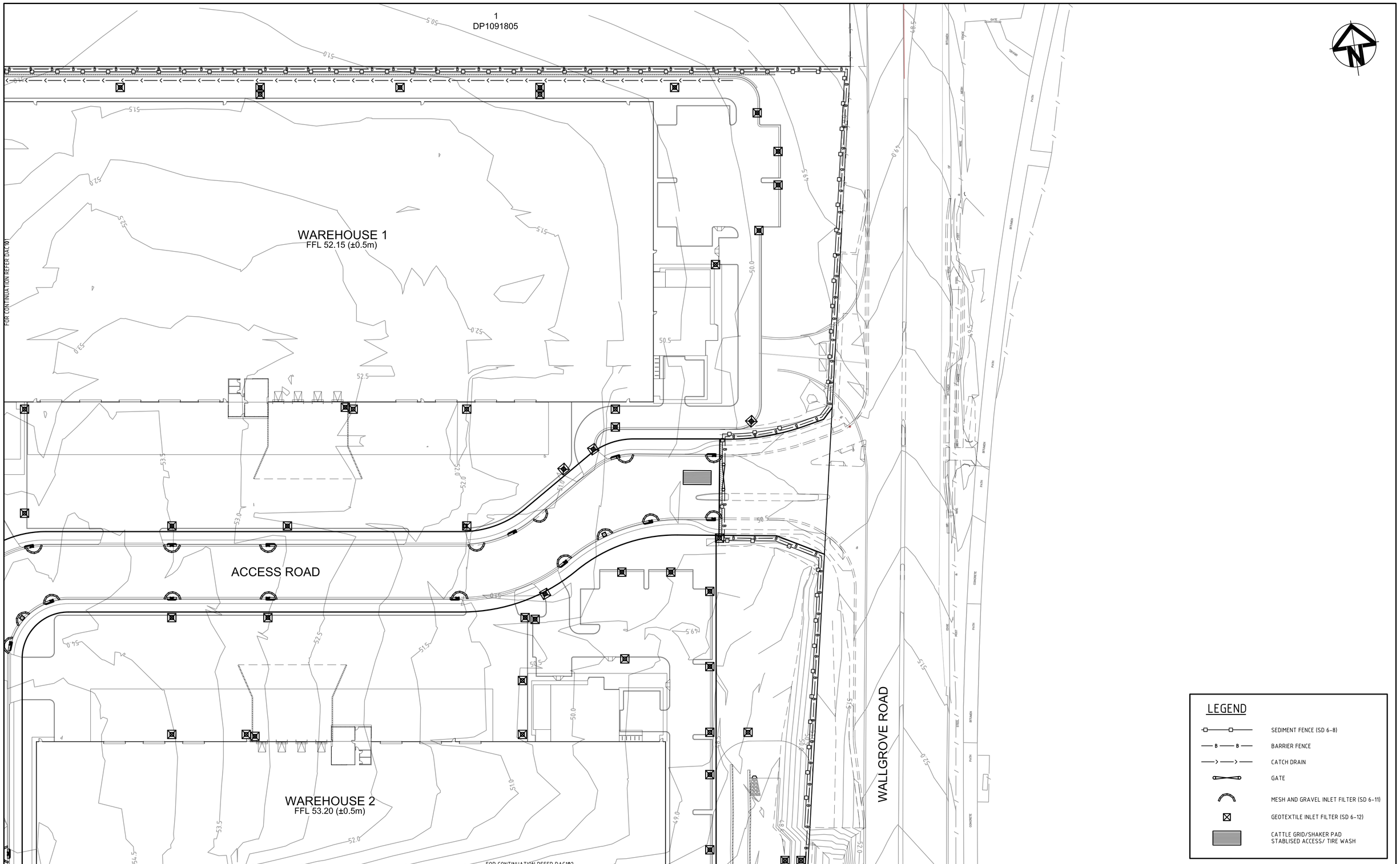
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC101 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC101.dwg




| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client

mirvac

| | | | |
|---|---|---|---|
| Scales | 1:500 @ A1 | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project

60 WALLGROVE ROAD
INTERNAL WORKS

Title

EROSION AND SEDIMENTATION CONTROL PLAN
SHEET 2

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

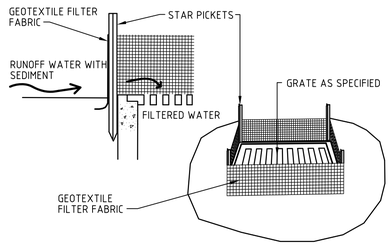
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

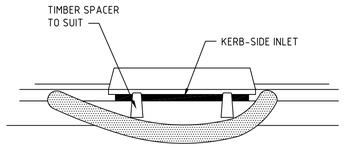
| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC102 | 12-108 | B |

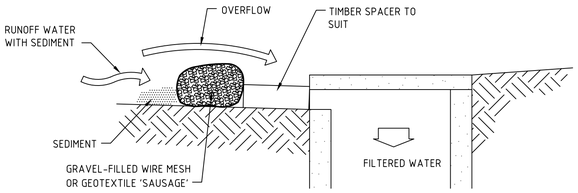
100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC102.dwg

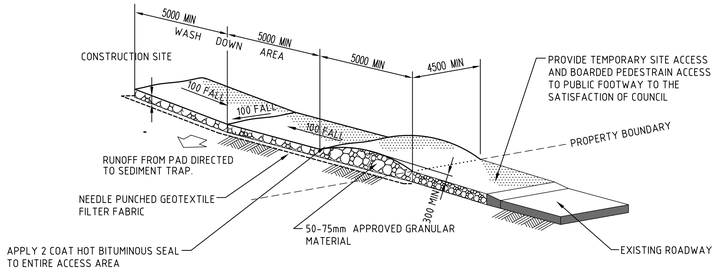



## GEOTEXTILE FILTER PIT SURROUND
NTS

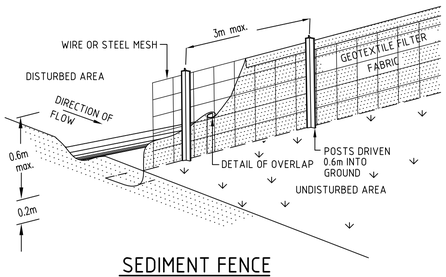


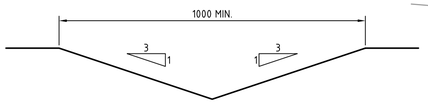

## MESH AND GRAVEL INLET FILTER
NTS



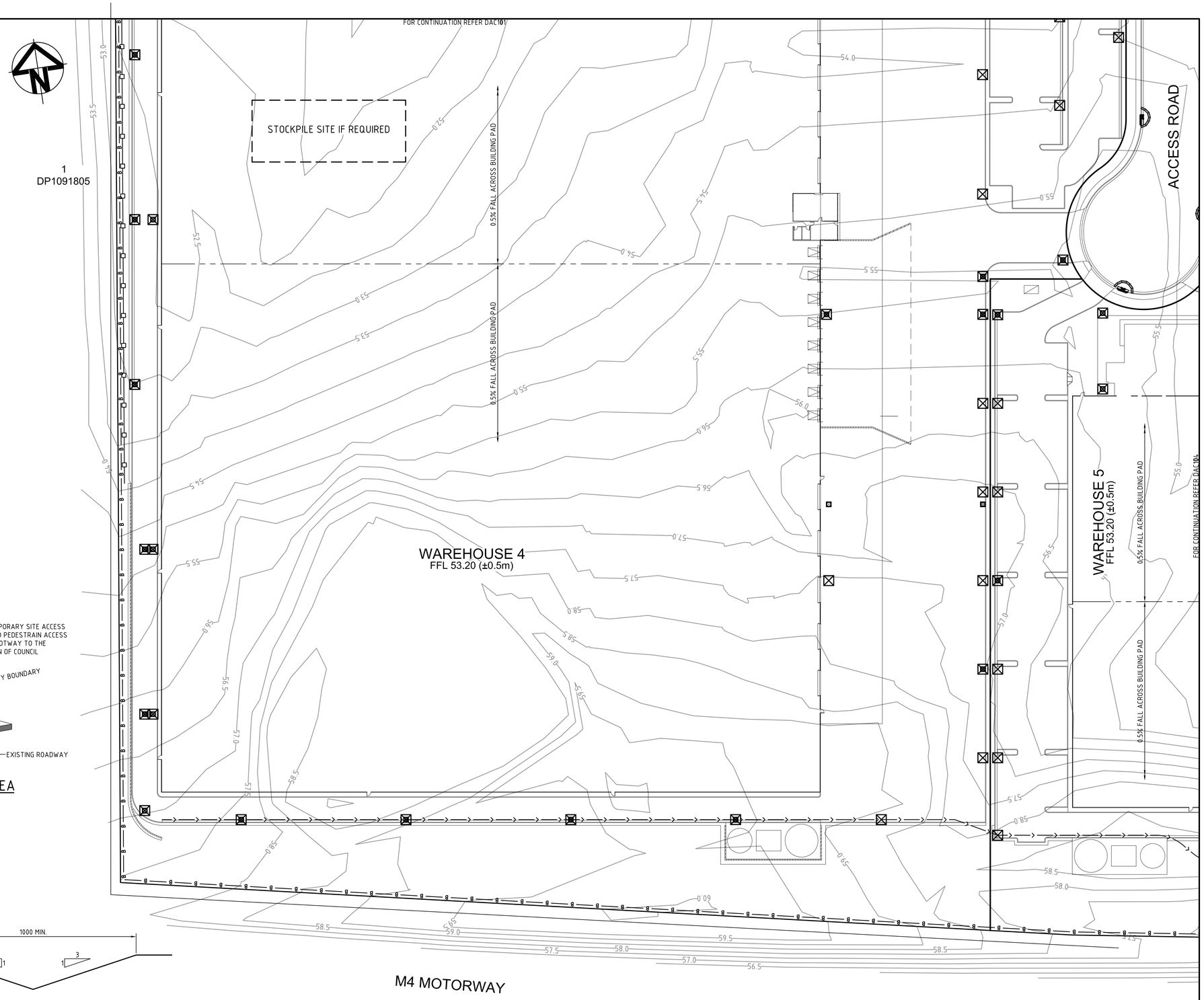

## STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA
NTS




## SEDIMENT FENCE




## CATCH DRAIN




| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

100mm on Original

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client: mirvac

| Scales | 1:500 @ A1 | Drawn | AH |
|---|---|---|---|
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: EROSION AND SEDIMENTATION CONTROL PLAN SHEET 3

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC103 | 12-108 | B |

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC103.dwg

FOR CONTINUATION REFER DAC104

FOR CONTINUATION REFER DAC103

WALLGROVE ROAD

OSD BASIN TO FUNCTION AS A TEMPORARY POND FOR THE DURATION OF STAGE 1 AND 2 WORKS

SEDIMENT POND 2
BASIN SURFACE AREA = 925m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 555m³
SEDIMENT STORAGE VOLUME = 370m³
TOTAL BASIN VOLUME = 925m³

0.5% FALL ACROSS BUILDING PAD

WAREHOUSE 5
FFL 53.20 (±0.5m)

0.5% FALL ACROSS BUILDING PAD

M4 MOTORWAY

## LEGEND

- SEDIMENT FENCE (SD 6-8)
- BARRIER FENCE
- CATCH DRAIN
- GATE
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- GEOTEXTILE INLET FILTER (SD 6-12)
- CATTLE GRID/SHAKER PAD STABLISED ACCESS/ TIRE WASH

| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client: mirvac

| | | | |
|---|---|---|---|
| Scales | 1:500 @ A1 | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project: 60 WALLGROVE ROAD INTERNAL WORKS

Title: EROSION AND SEDIMENTATION CONTROL PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

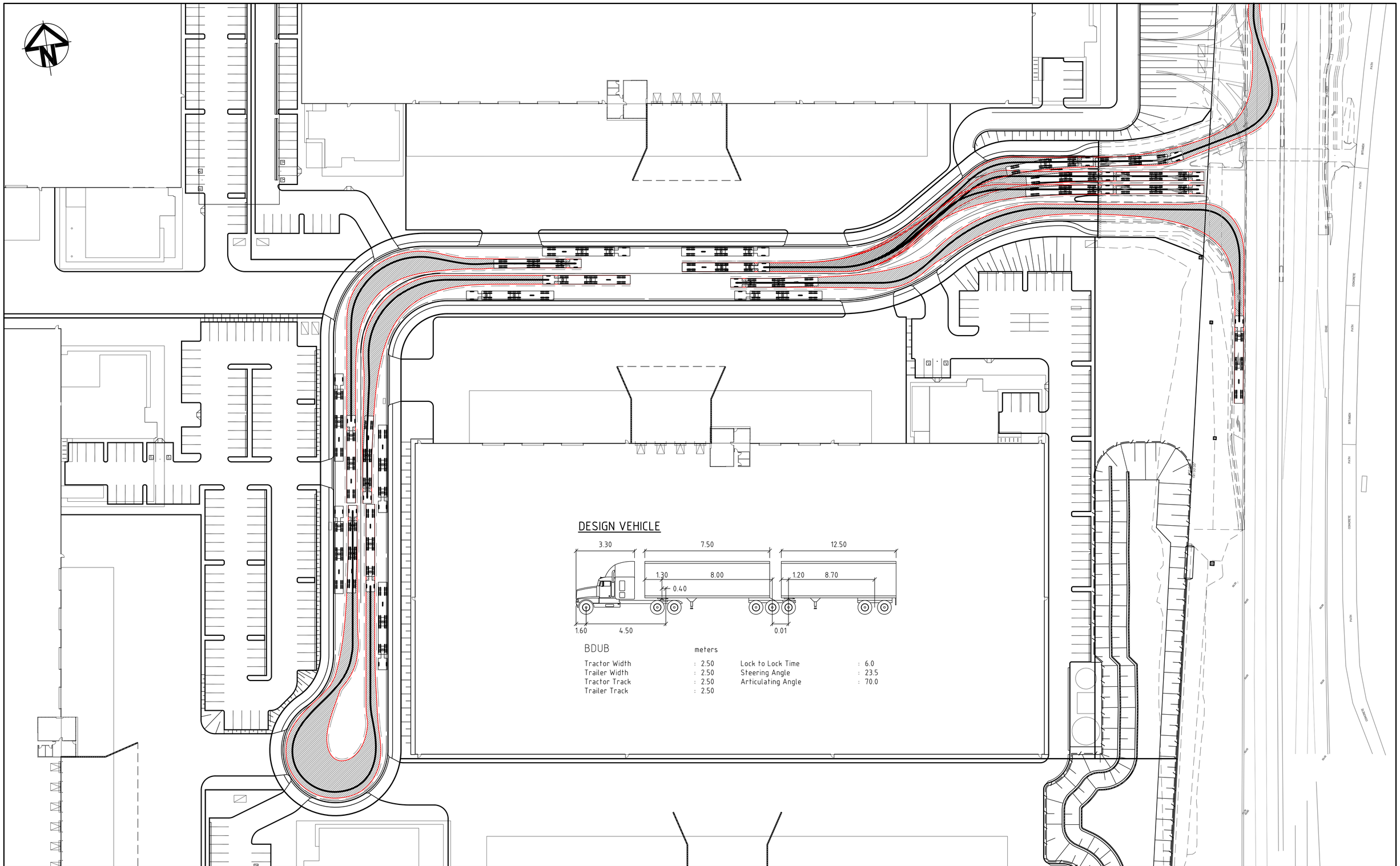
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC104 | 12-108 | B |

100mm on Original

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC104.dwg




| Issue | Description | Date |
|---|---|---|
| B | RE-ISSUED FOR APPROVAL | 28-05-15 |
| A | ISSUED FOR APPROVAL | 26-05-15 |

100mm on Original

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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&L

Client

mirvac

| | | | |
|---|---|---|---|
| Scales | 1:500 @ A1 | Drawn | AH |
| | | Designed | AH |
| Grid | MGA | Checked | AMcL |
| Height Datum | AHD | Approved | MG |

Project

60 WALLGROVE ROAD
INTERNAL WORKS

Title

VEHICLE TURNING
PATH PLAN

Civil Engineers and Project Managers

at&l

Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

| Drawing No. | Project No. | Issue |
|---|---|---|
| DAC111 | 12-108 | B |

F:\12-108 Walgrove Rd Leadin DA\Drgs\Civil\DA-Drawings\DAC111.dwg