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Date: May 2012 Rev: 0

Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FLIE: CVSers/james marini/local set ings/temp/AcPublish_5320/Figure_R3v5_E08d_Bris.dvg XREF's: xref-Results; xr-lpswich_DCDB_MGA





LEGEND



Site Boundary •A Reporting Points

Existing Current Fill Boundary

VELOCITIES

1m/s

SPEED (m/s)

-

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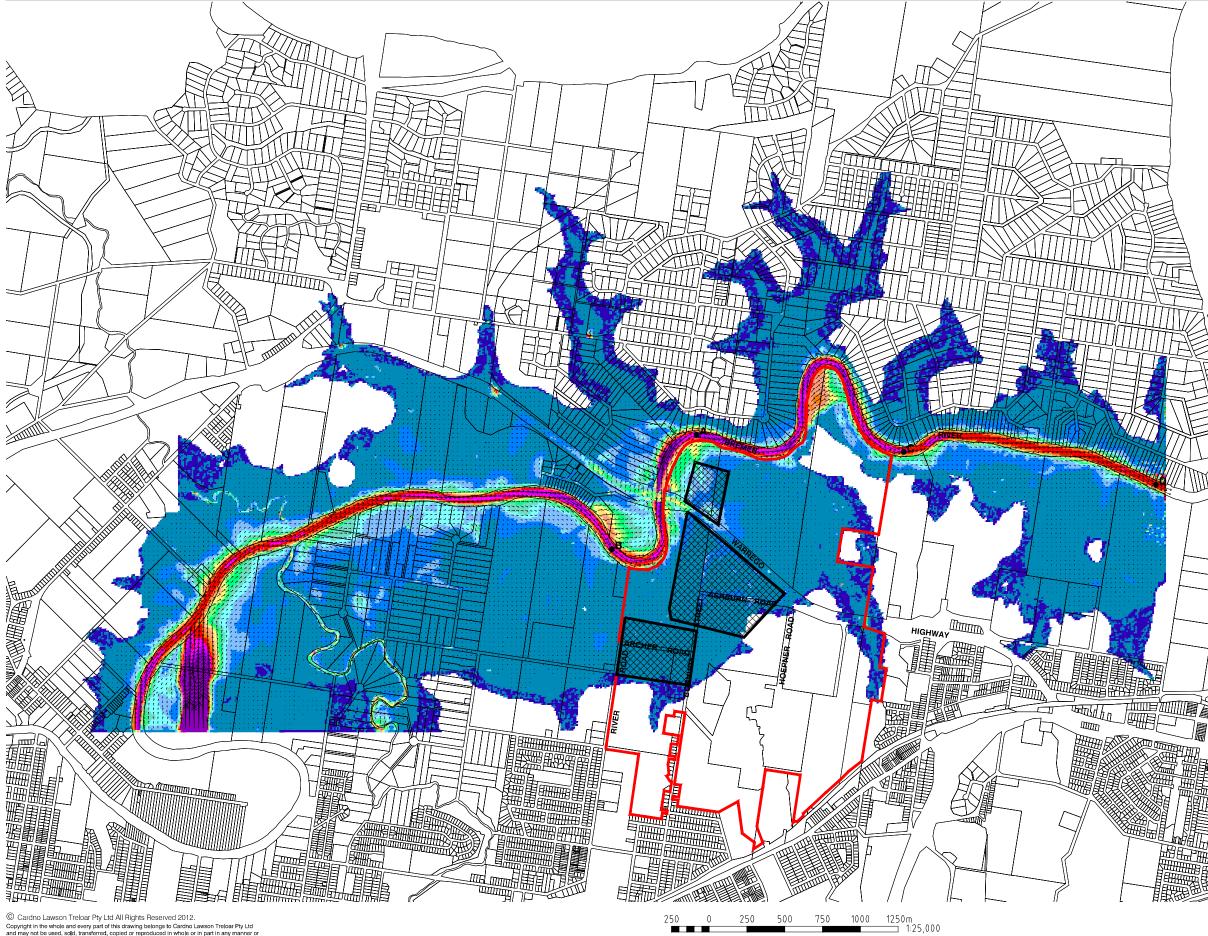
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Above 2.00
1.80 to 2.00
1.60 to 1.80
1.40 to 1.60
1.20 to 1.40
1.00 to 1.20
0.90 to 1.00
0.80 to 0.90
0.70 to 0.80
0.60 to 0.70
0.50 to 0.60
0.40 to 0.50
0.30 to 0.40
0.20 to 0.30
0.01 to 0.20
Below 0.01

Scale 1:25000 (A3) FIGURE B.3.6 EXISTING CURRENT - SPEED - SKM ULTIMATE 200 YEAR EVENT (Bris_E08d)

> Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 2:53pm



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LEGEND



Site Boundary •A Reporting Points

Existing Current Fill Boundary

1m/s

SPEED (m/s)

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EXISTING CURRENT - SPEED - SKM ULTIMATE 500 YEAR EVENT (Bris_E08d)

Above 2.00
1.80 to 2.00
1.60 to 1.80
1.40 to 1.60
1.20 to 1.40
1.00 to 1.20
0.90 to 1.00
0.80 to 0.90
0.70 to 0.80
0.60 to 0.70
0.50 to 0.60
0.40 to 0.50
0.30 to 0.40
0.20 to 0.30
0.01 to 0.20
Below 0.01

Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 2:54pm

Scale 1:25000 (A3)

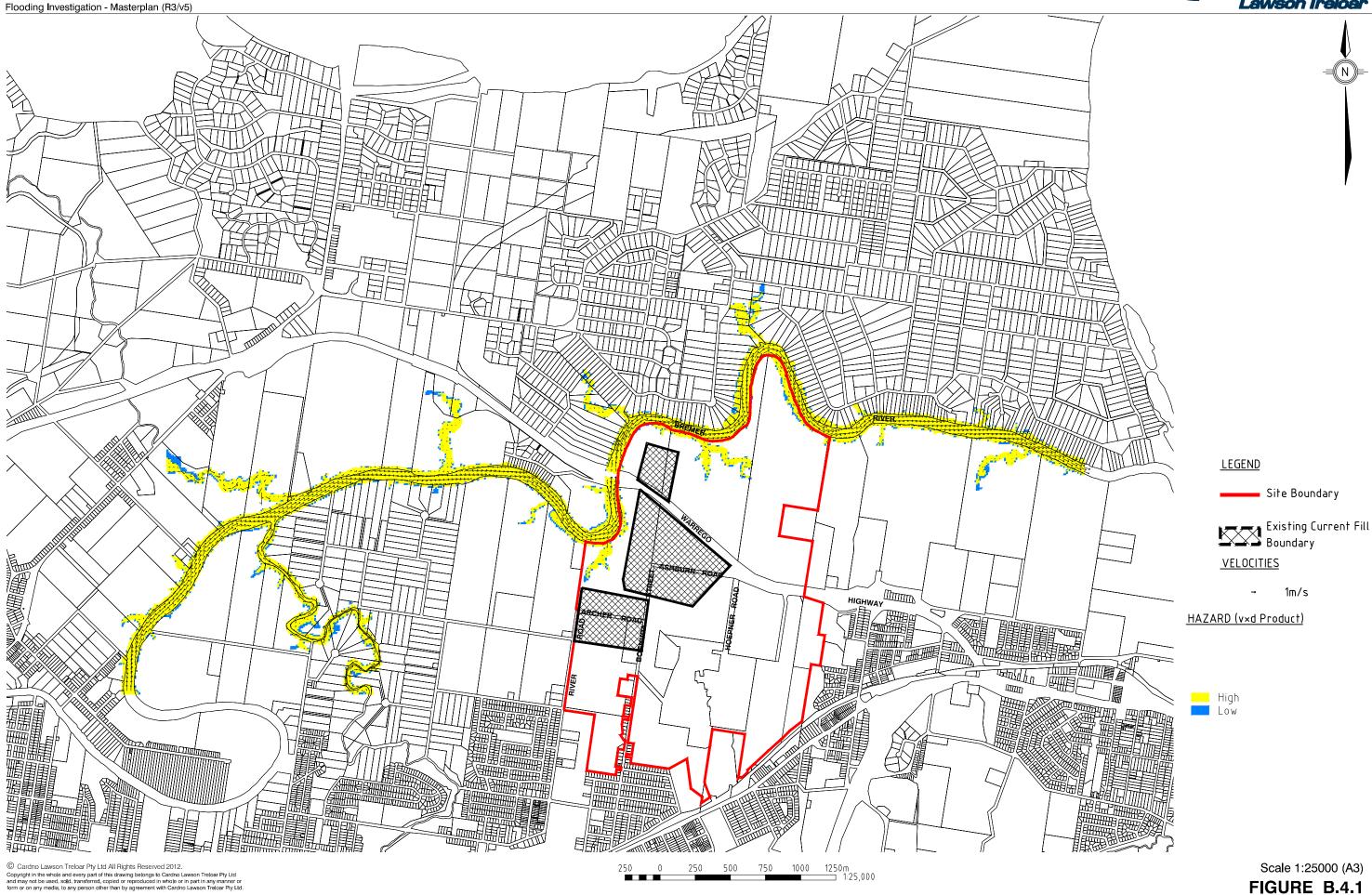
FIGURE B.3.7



Appendix B.4

Brisbane River Flood SOBEK 2D Existing Current Case

Results – Hazard (Safety Product)



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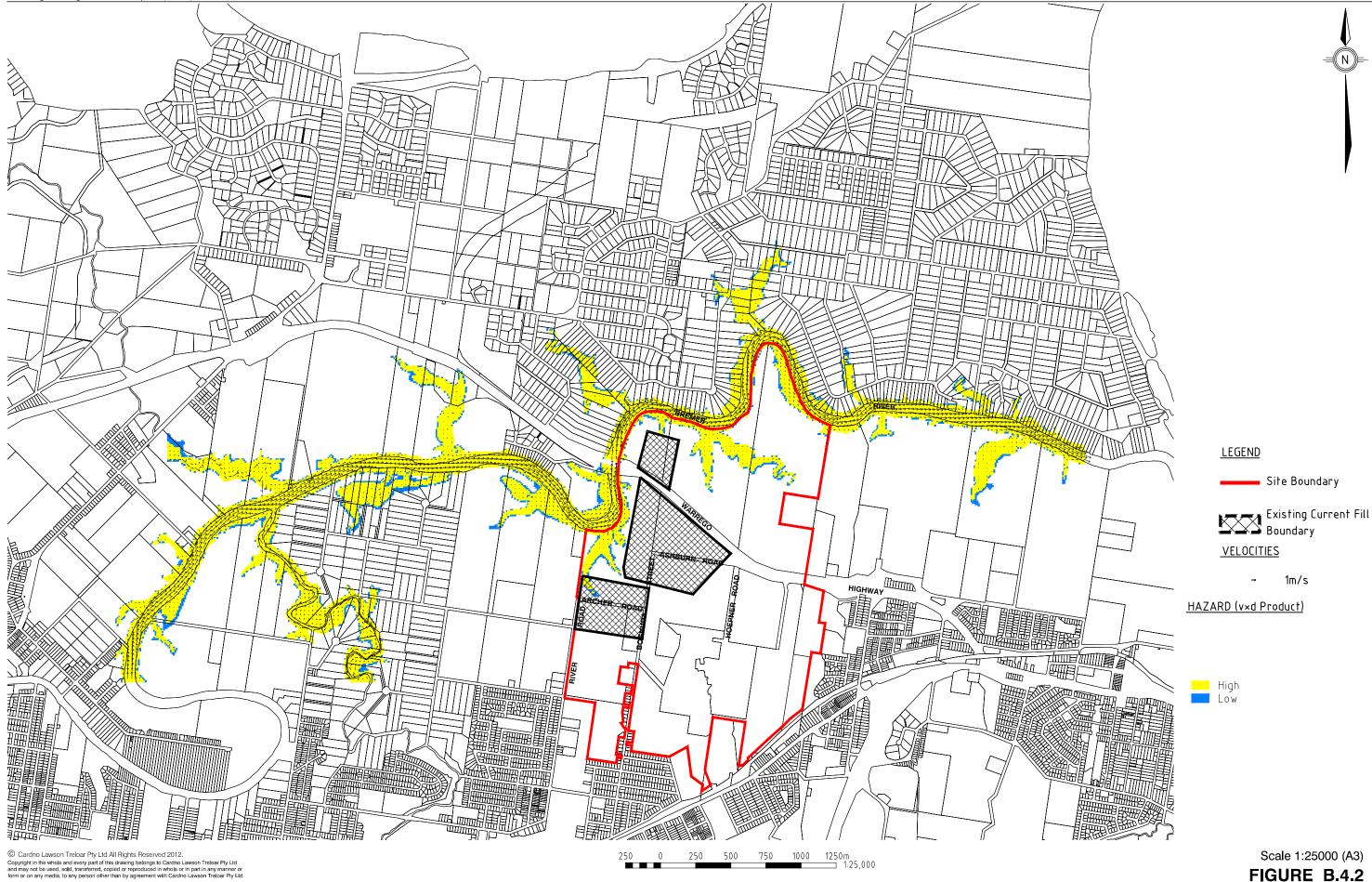
Date: May 2012 Rev: 0

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Walker Corporation Pty Ltd CAD FILE: C:\Users\james.martin\local.settings\temp\AcPublish_5320\Figure_R3v5_E0&c_Bris.dwg XREF's: xref-Results; xr-lpswich_DCDB_MGA EXISTING CURRENT - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 5 YEAR EVENT (Bris_E08c)



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 2:43pm



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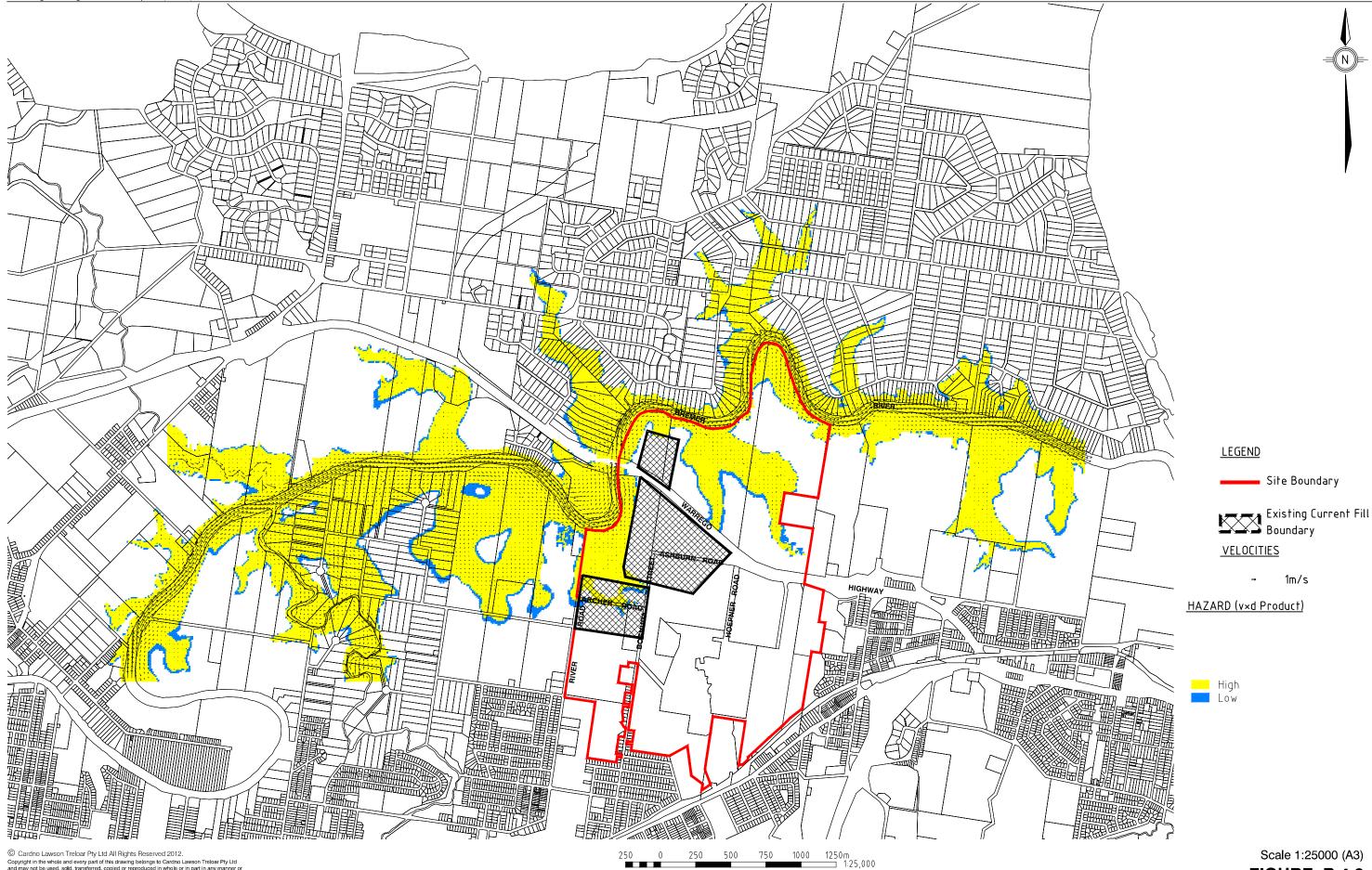
Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: C:\Users\james.martin\local.settings\temp\AcPublish_5320\Figure_R3v5_E0&c_Bris.dwg XREF's: xref-Results; xr-lpswich_DCDB_MGA EXISTING CURRENT - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 10 YEAR EVENT (Bris_E08c)



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 2:43pm



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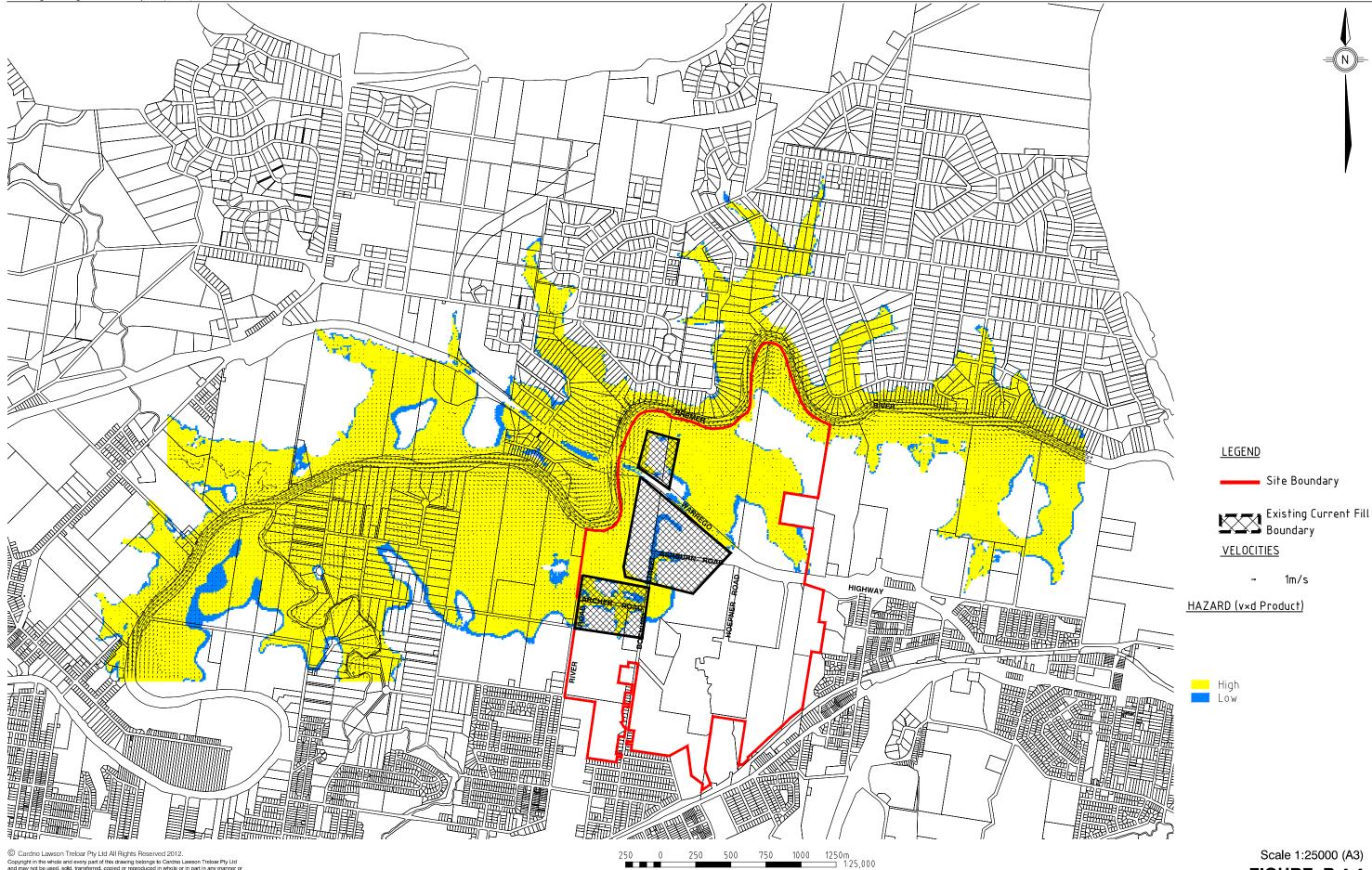
Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd ADTIL: CONTRACTION OF THE CONTRACT AND ADDITION OF A CONTRACT ADDITION OF A CONTRACT AND ADDITION OF A CONTRACT ADDITION OF A CONTRAC EXISTING CURRENT - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 20 YEAR EVENT (Bris_E08c)



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 2:44pm

FIGURE B.4.3



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Date: May 2012 Rev: 0

Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd ADTIL: CONTRACTION OF THE CONTRACT AND ADDITION OF A CONTRACT ADDITION OF A CONTRACT AND ADDITION OF A CONTRACT ADDITION OF A CONTRAC EXISTING CURRENT - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 50 YEAR EVENT (Bris_E08c)



FIGURE B.4.4

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Date: May 2012 Rev: 0

Citiswich

Flooding Investigation - Masterplan (R3/v5)

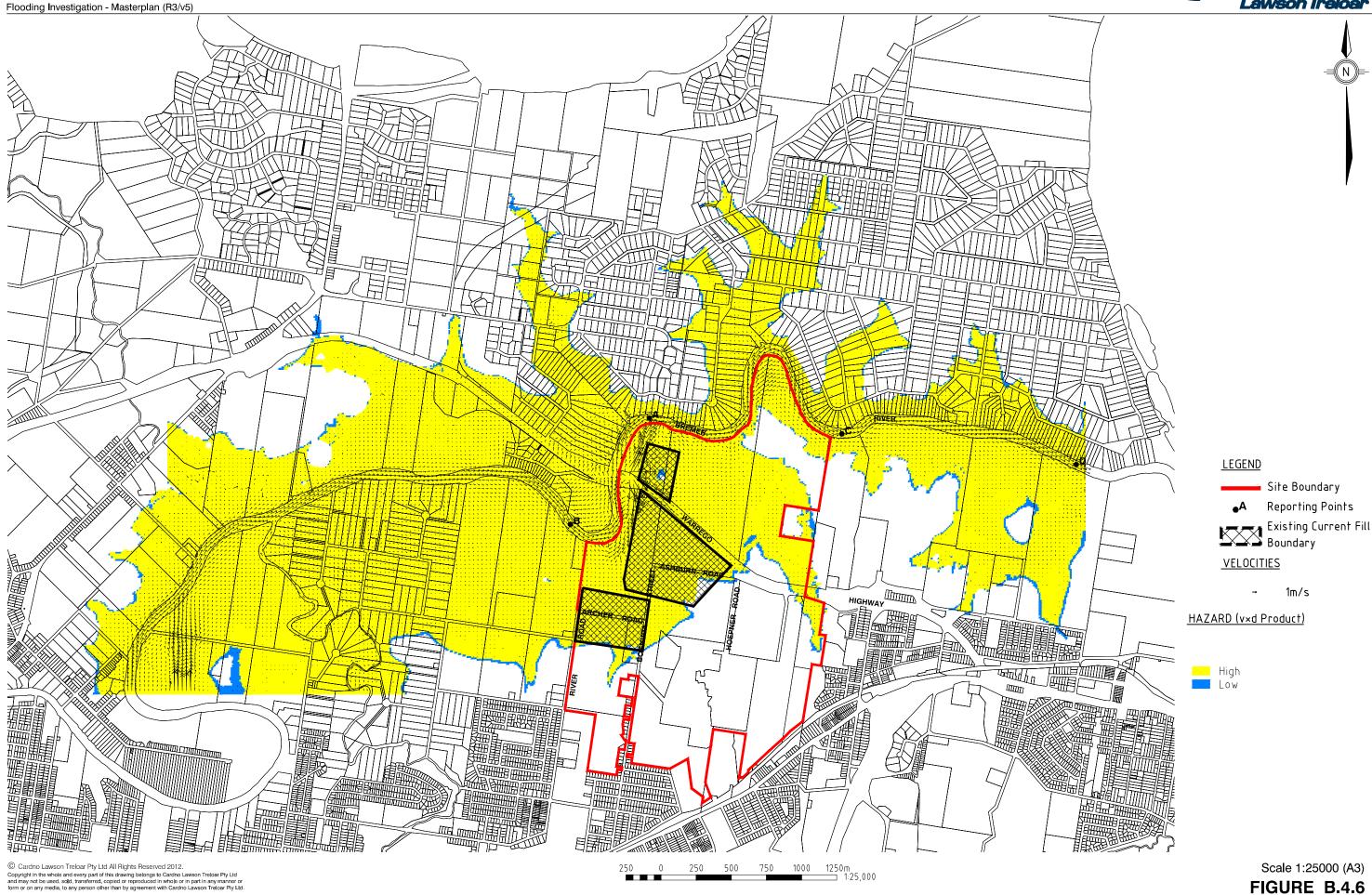
Walker Corporation Pty Ltd CAD FILE: 0.\LJ87I4\FiguresR3v5_Masterplan_Flooding\Appendices\App B\Figure_R3v5_E08d_Bris.dvg XREF's: xref-Results; xr-lpswich_DCDB_MGA

EXISTING CURRENT - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 100 YEAR EVENT (Bris_E08d)



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FIGURE B.4.5



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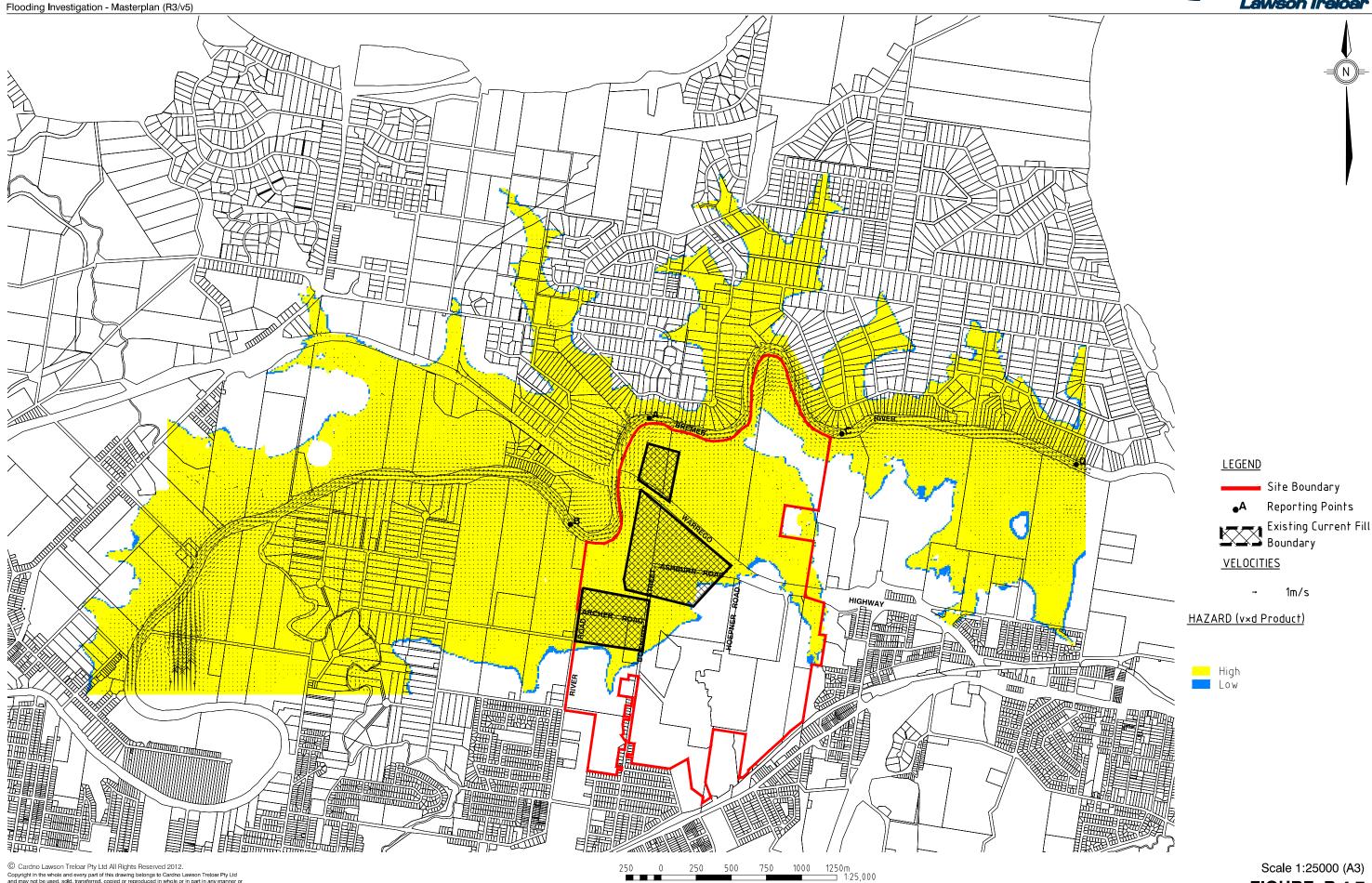
Citiswich

Walker Corporation Pty Ltd CAD FILE: 0.\LJ87I4\FiguresR3v5_Masterplan_Flooding\Appendices\App B\Figure_R3v5_E08d_Bris.dvg XREF's: xref-Results; xr-lpswich_DCDB_MGA

EXISTING CURRENT - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 200 YEAR EVENT (Bris_E08d)



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Date: May 2012 Rev: 0

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EXISTING CURRENT - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 500 YEAR EVENT (Bris_E08d)



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 4:57pm

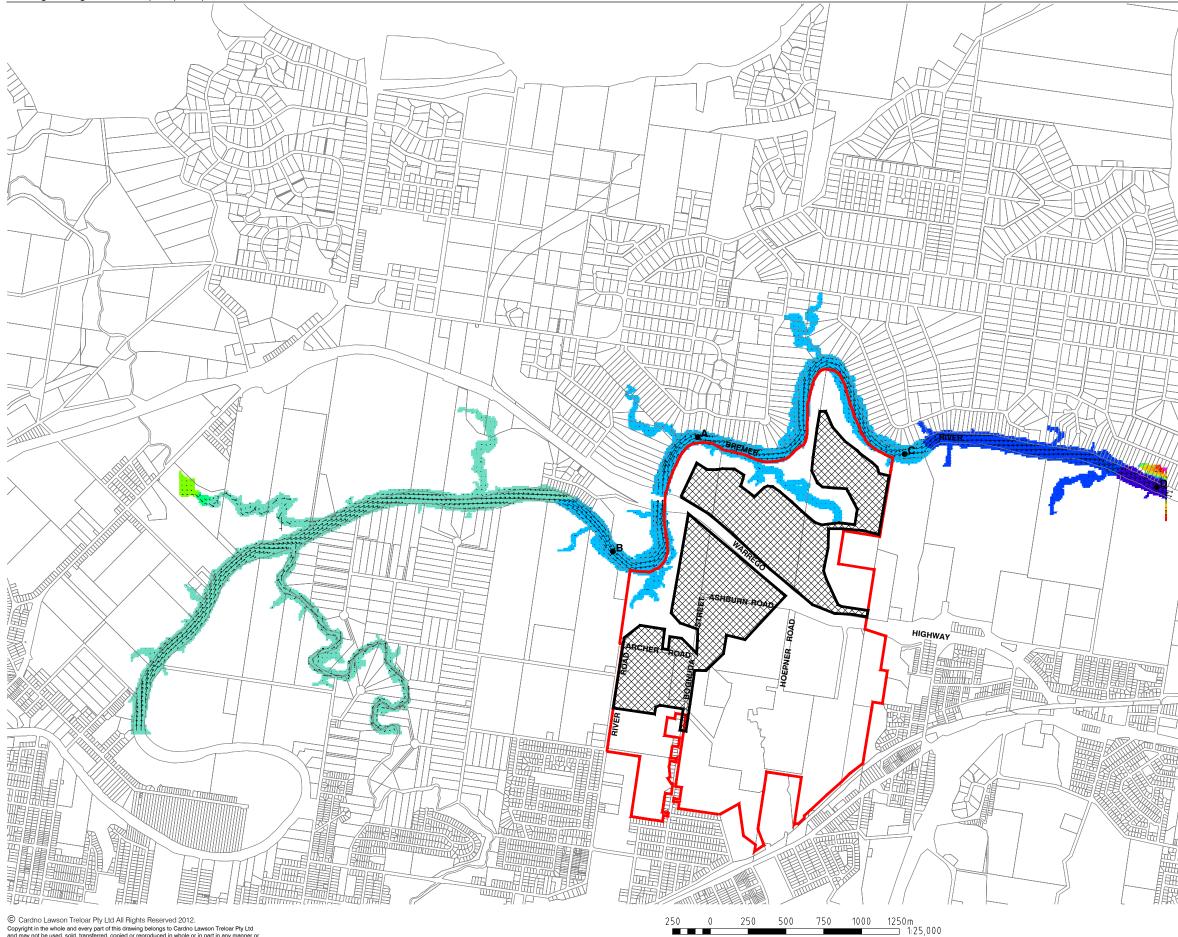
FIGURE B.4.7



Appendix C.1

Brisbane River Flood SOBEK 2D Masterplan Ultimate

Case Results – Water Surface Level



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Flooding Investigation - Masterplan (R3/v5)

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MASTERPLAN - WATER SURFACE LEVELS - SKM ULTIMATE 5 YEAR EVENT (Bris_D14)





Site Boundary •A Reporting Points Masterplan Fill Boundary VELOCITIES **→** 1m/s

<u>LEGEND</u>

WATER SURFACE LEVEL (mAHD)

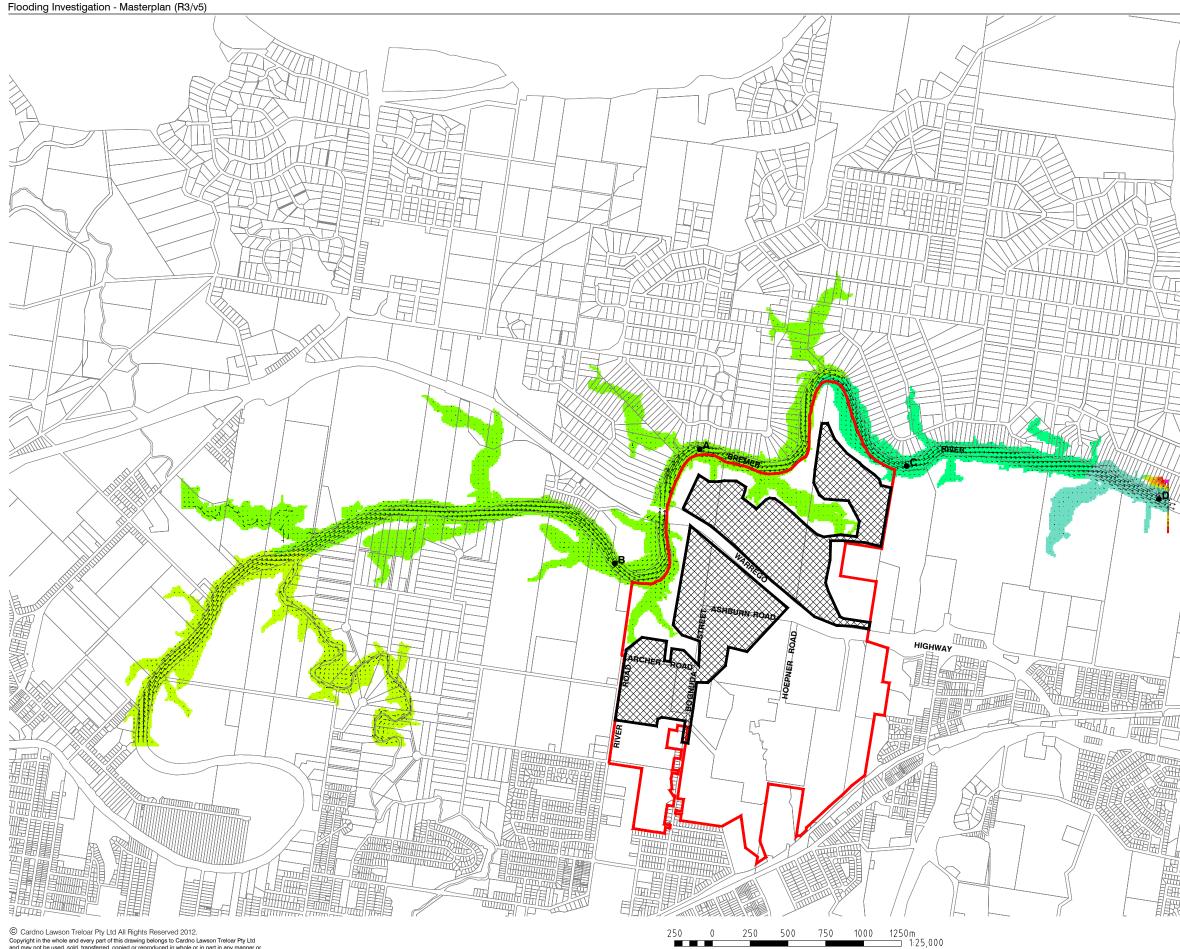
Above 17.00 16.00 to 17.00 15.00 to 16.00 14.00 to 15.00 13.00 to 14.00 12.00 to 13.00 11.00 to 12.00 10.00 to 11.00 9.00 to 10.00 8.00 to 9.00 7.00 to 8.00 6.00 to 7.00 5.00 to 6.00 Below 5.00

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Scale 1:25000 (A3) FIGURE C.1.1

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MASTERPLAN - WATER SURFACE LEVELS - SKM ULTIMATE 10 YEAR EVENT (Bris_D14)





<u>LEGEND</u> Site Boundary •A Reporting Points Masterplan Fill Boundary VELOCITIES

→

1m/s

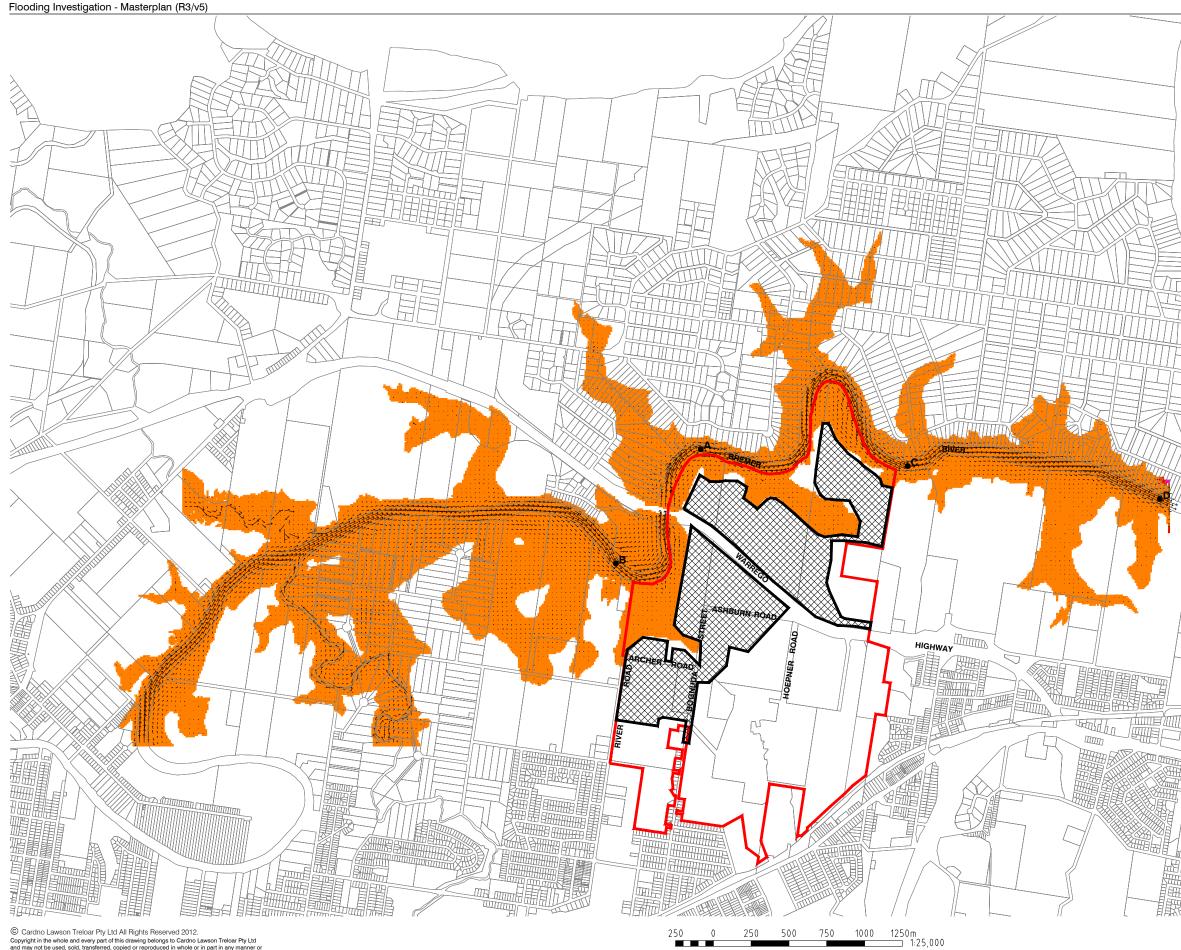
WATER SURFACE LEVEL (mAHD)

Above 17.00 16.00 to 17.00 15.00 to 16.00 14.00 to 15.00 13.00 to 14.00 12.00 to 13.00 11.00 to 12.00 10.00 to 11.00 9.00 to 10.00 8.00 to 9.00 7.00 to 8.00 6.00 to 7.00 5.00 to 6.00 Below 5.00

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Scale 1:25000 (A3) FIGURE C.1.2

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MASTERPLAN - WATER SURFACE LEVELS - SKM ULTIMATE 20 YEAR EVENT (Bris_D14)





<u>LEGEND</u> A Masterplan Fill Boundary VELOCITIES

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Site Boundary Reporting Points

1m/s

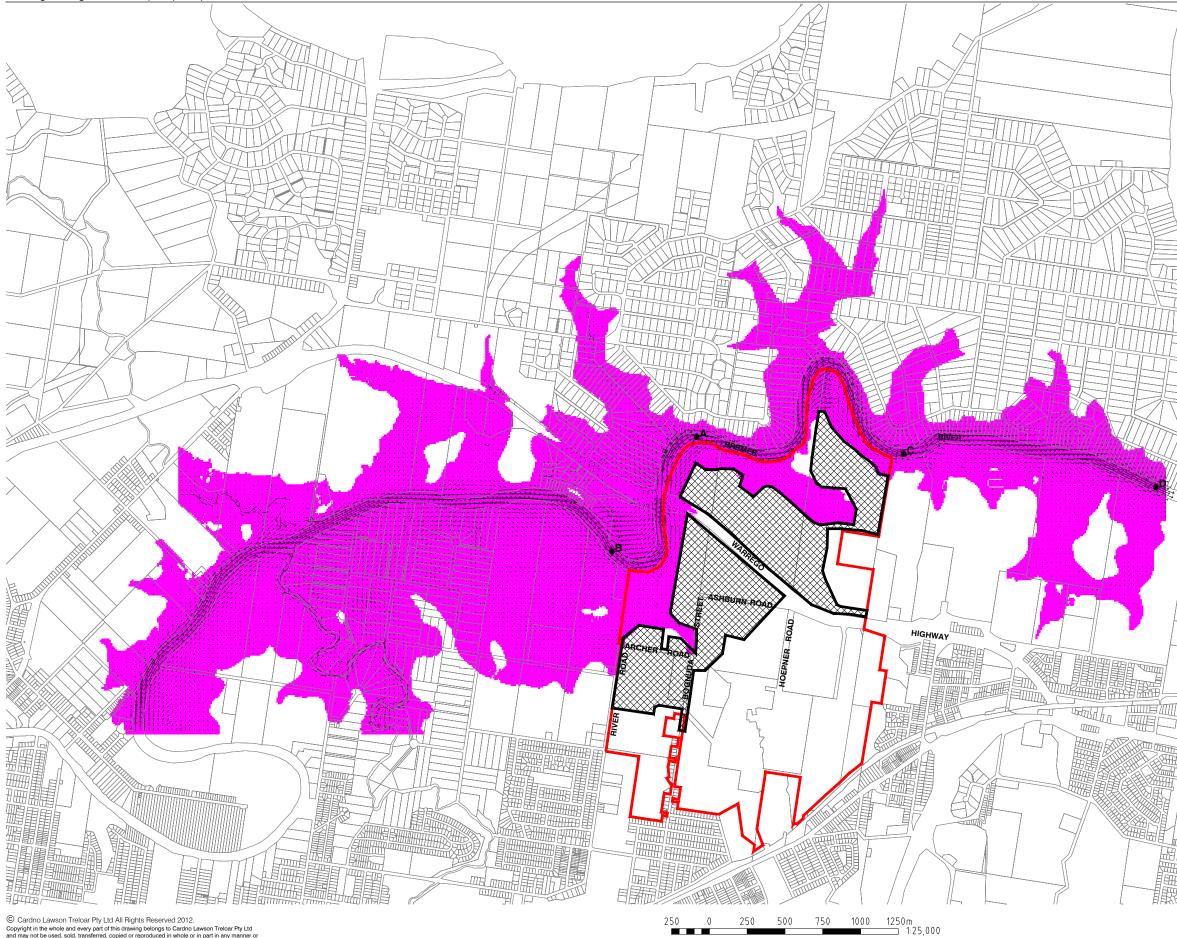
WATER SURFACE LEVEL (mAHD)

Above 17.00 16.00 to 17.00 15.00 to 16.00 14.00 to 15.00 13.00 to 14.00 12.00 to 13.00 11.00 to 12.00 10.00 to 11.00 9.00 to 10.00 8.00 to 9.00 7.00 to 8.00 6.00 to 7.00 5.00 to 6.00 Below 5.00

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Scale 1:25000 (A3) FIGURE C.1.3

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Flooding Investigation - Masterplan (R3/v5)

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<u>LEGEND</u> Site Boundary A Masterplan Fill Boundary VELOCITIES

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Reporting Points

1m/s

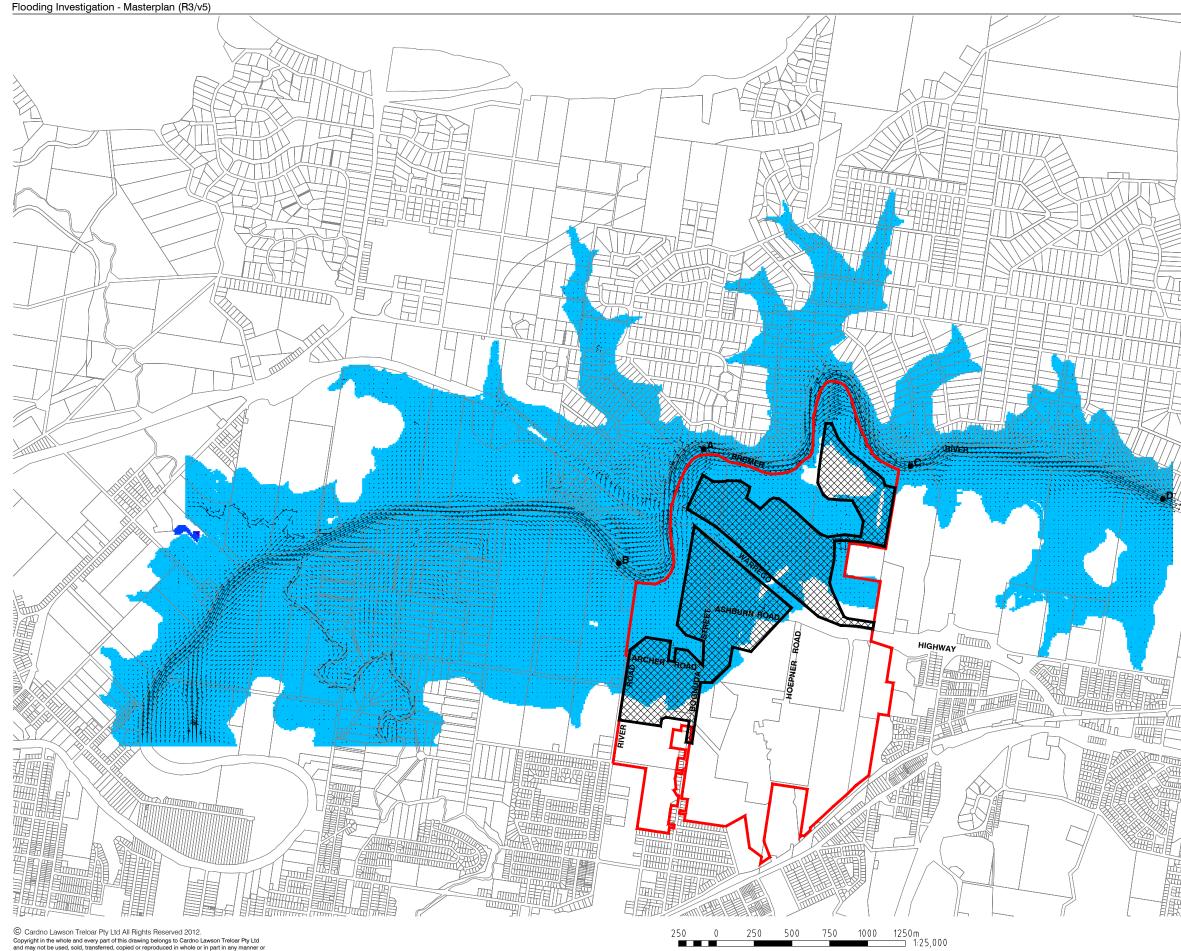
WATER SURFACE LEVEL (mAHD)

Above 17.00 16.00 to 17.00 15.00 to 16.00 14.00 to 15.00 13.00 to 14.00 12.00 to 13.00 11.00 to 12.00 10.00 to 11.00 9.00 to 10.00 8.00 to 9.00 7.00 to 8.00 6.00 to 7.00 5.00 to 6.00 Below 5.00

-

Scale 1:25000 (A3) FIGURE C.1.4 MASTERPLAN - WATER SURFACE LEVELS - SKM ULTIMATE 50 YEAR EVENT (Bris_D14)

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 (AD FILE: 0\L\B714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14a_Bris.dwg

 XRFF's: vrof-Results: vr_Inswirb_DFDR_MGA

MASTERPLAN - WATER SURFACE LEVELS - SKM ULTIMATE 100 YEAR EVENT (Bris_D14a)





<u>LEGEND</u>



Site Boundary •A Reporting Points Masterplan Fill Boundary

1m/s

WATER SURFACE LEVEL (mAHD)

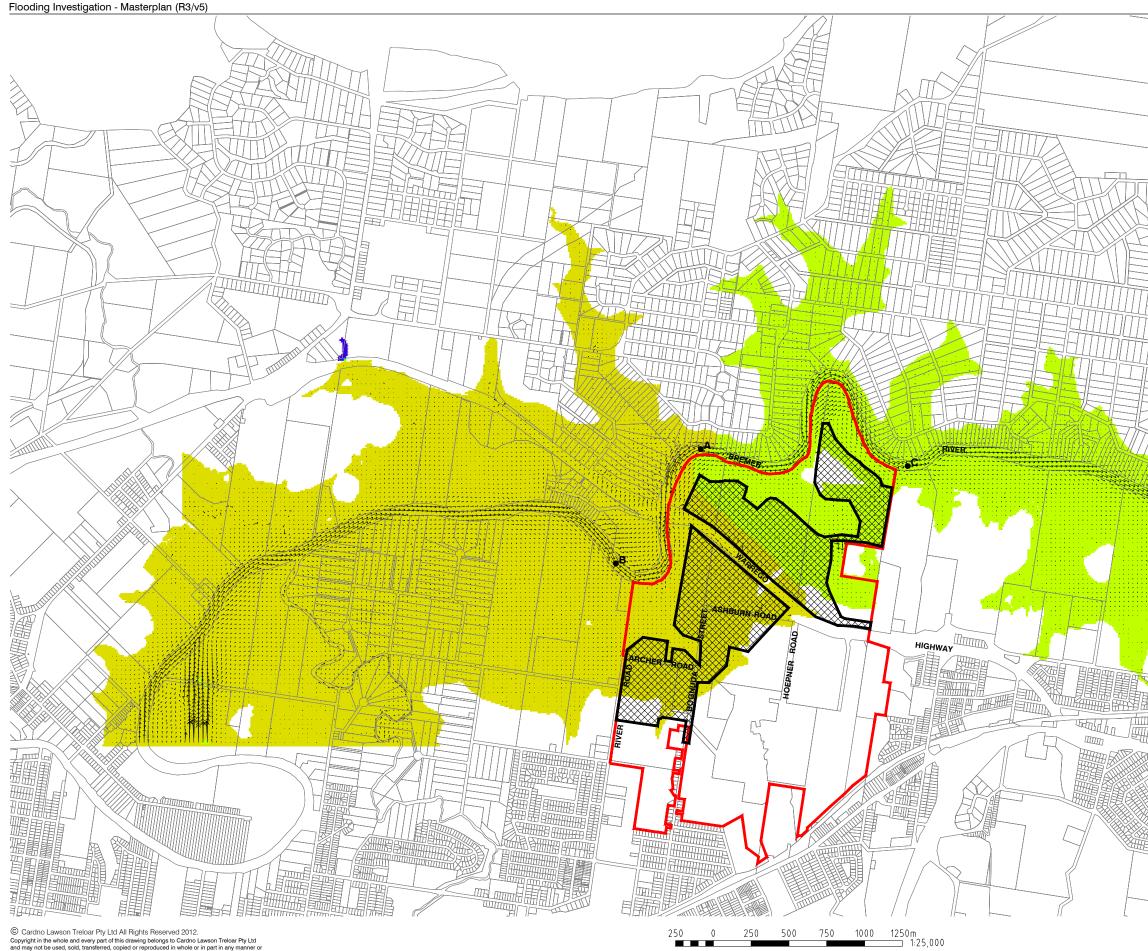
→ [•]

Above 21.00 20.75 to 21.00 20.50 to 20.75 20.25 to 20.50 20.00 to 20.25 19.75 to 20.00 19.50 to 19.75 19.25 to 19.50 19.00 to 19.25 18.75 to 19.00 18.50 to 18.75 18.25 to 18.50 18.00 to 18.25
18.00 to 18.25 Below 18.00

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Scale 1:25000 (A3)

FIGURE C.1.5



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 (AD FILE: 0\L\B714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14a_Bris.dwg

 XRFF's: vrof-Results: vr_Inswirb_DFDR_MGA

MASTERPLAN - WATER SURFACE LEVELS - SKM ULTIMATE 200 YEAR EVENT (Bris_D14a)





<u>LEGEND</u>



Site Boundary •A Reporting Points Masterplan Fill Boundary

1m/s

WATER SURFACE LEVEL (mAHD)

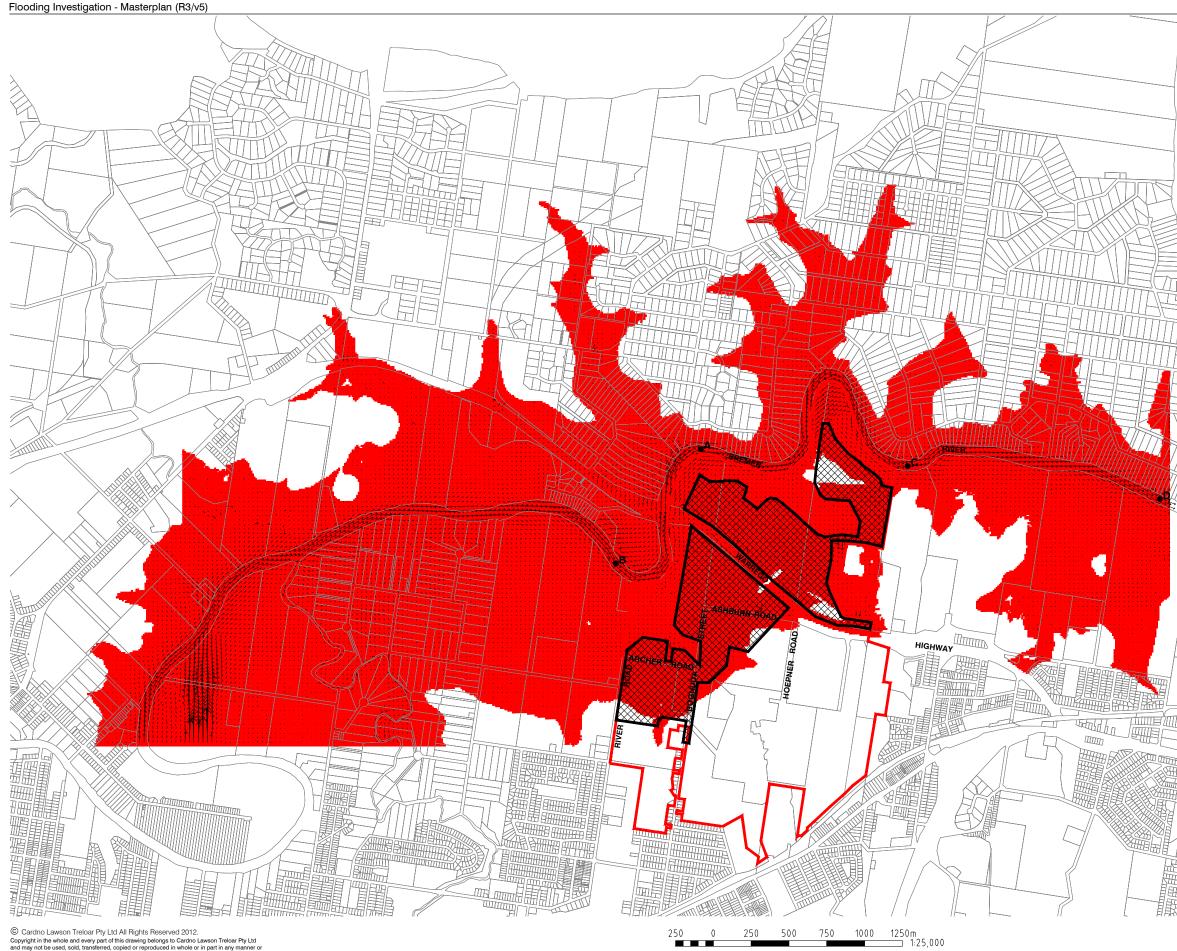
→

Above 21.00 20.75 to 21.00 20.50 to 20.75 20.25 to 20.50 20.00 to 20.25 19.75 to 20.00 19.50 to 19.75 19.25 to 19.50 19.00 to 19.25 18.75 to 19.00 18.50 to 18.75 18.25 to 18.50 18.00 to 18.25
18.00 to 18.25 Below 18.00

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Scale 1:25000 (A3)

FIGURE C.1.6



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MASTERPLAN - WATER SURFACE LEVELS - SKM ULTIMATE 500 YEAR EVENT (Bris_D14a)

250 0 0





<u>LEGEND</u>



Site Boundary •A Reporting Points Masterplan Fill Boundary

1m/s

WATER SURFACE LEVEL (mAHD)

→ [`]

Above 21.00 20.75 to 21.00 20.50 to 20.75 20.25 to 20.50 20.00 to 20.25 19.75 to 20.00 19.50 to 19.75 19.25 to 19.50 19.00 to 19.25 18.75 to 19.00 18.50 to 18.75 18.25 to 18.50 18.00 to 18.25
18.00 to 18.25
Below 18.00

Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 6:48pm

Scale 1:25000 (A3)

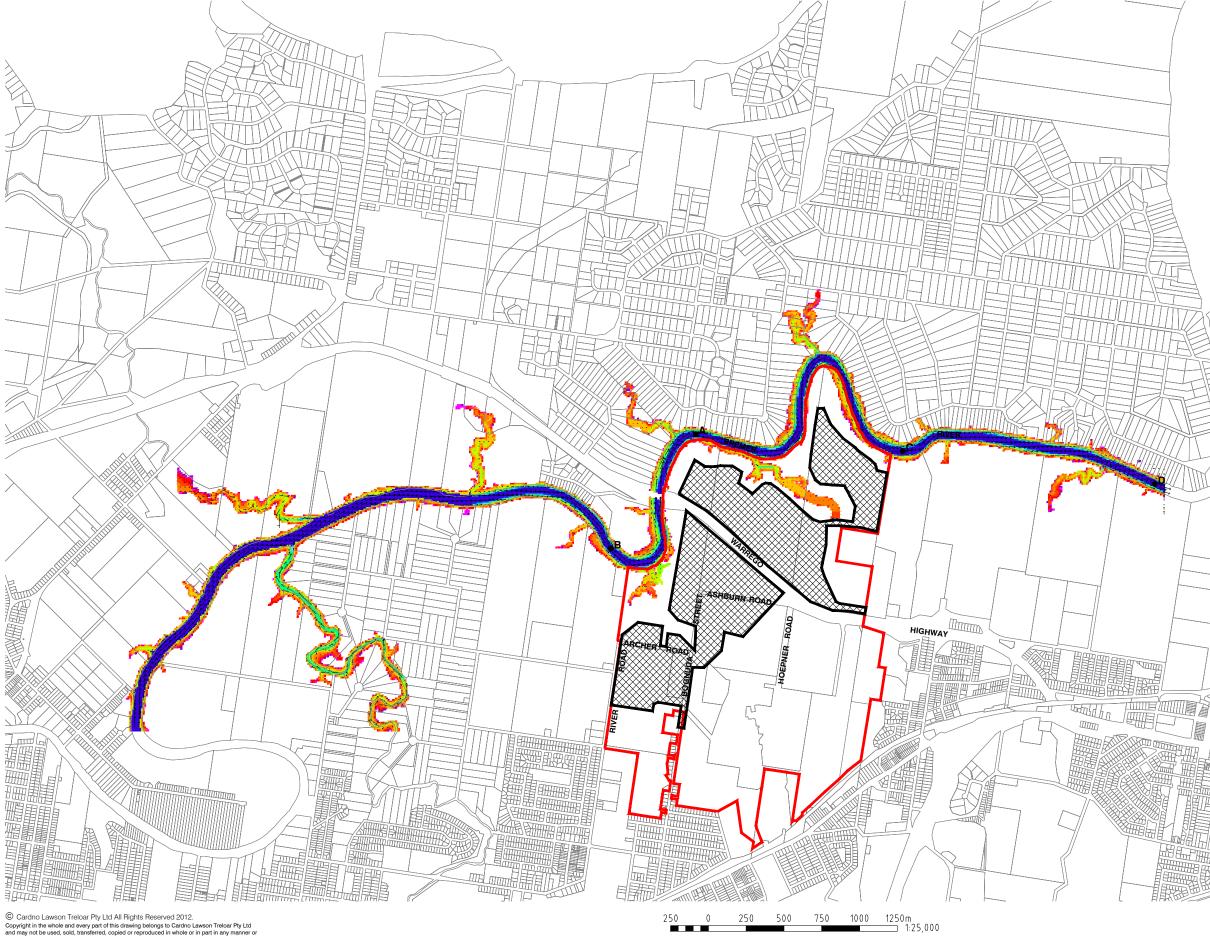
FIGURE C.1.7



Appendix C.2

Brisbane River Flood SOBEK 2D Masterplan Ultimate

Case Results – Depth



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Flooding Investigation - Masterplan (R3/v5)

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MASTERPLAN - DEPTH - SKM ULTIMATE 5 YEAR EVENT (Bris_D14)





<u>LEGEND</u>



→

Site Boundary •A Reporting Points Masterplan Fill Boundary

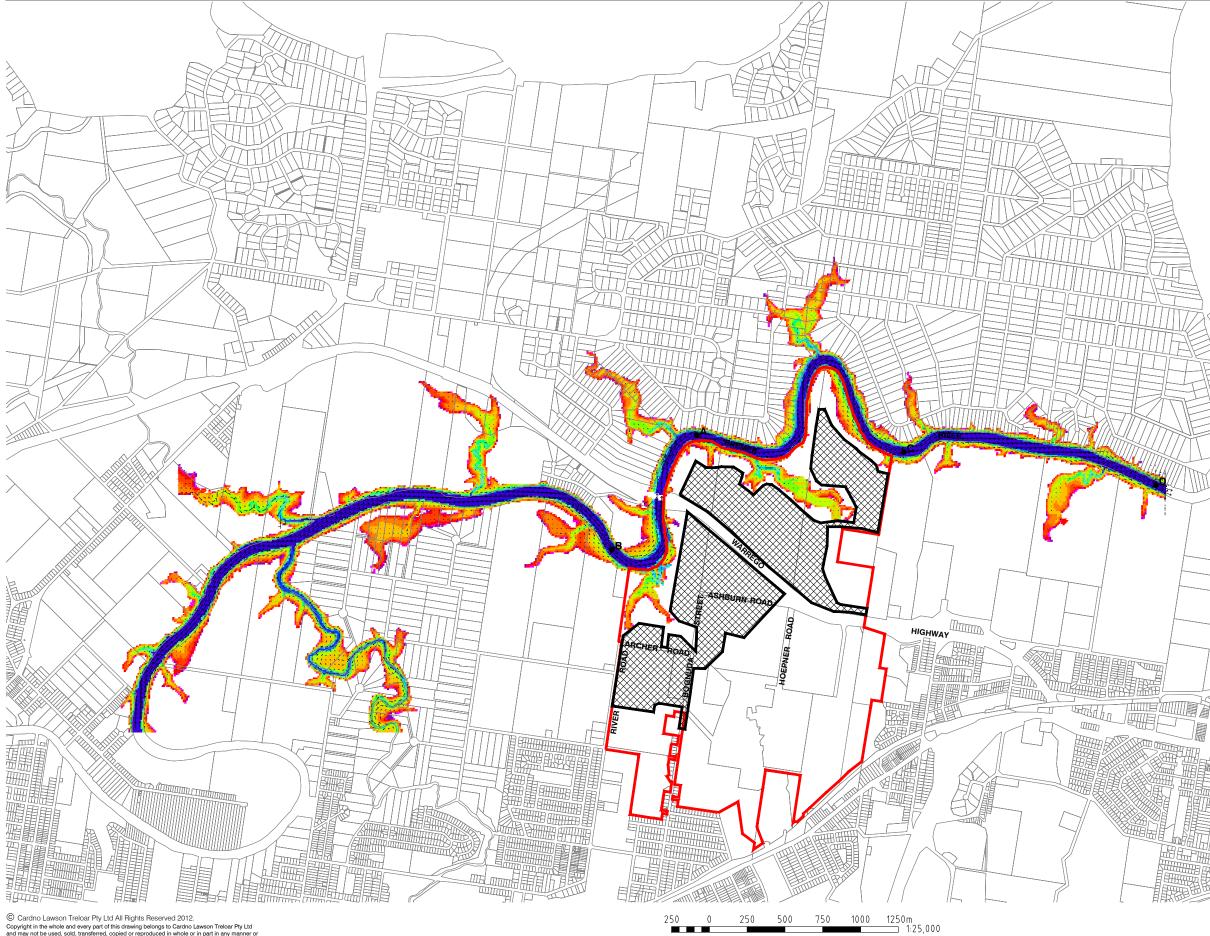
1m/s

DEPTH (m)

Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

Scale 1:25000 (A3) FIGURE C.2.1

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Flooding Investigation - Masterplan (R3/v5)

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MASTERPLAN - DEPTH - SKM ULTIMATE 10 YEAR EVENT (Bris_D14)





<u>LEGEND</u>



→

Site Boundary •A Reporting Points Masterplan Fill Boundary

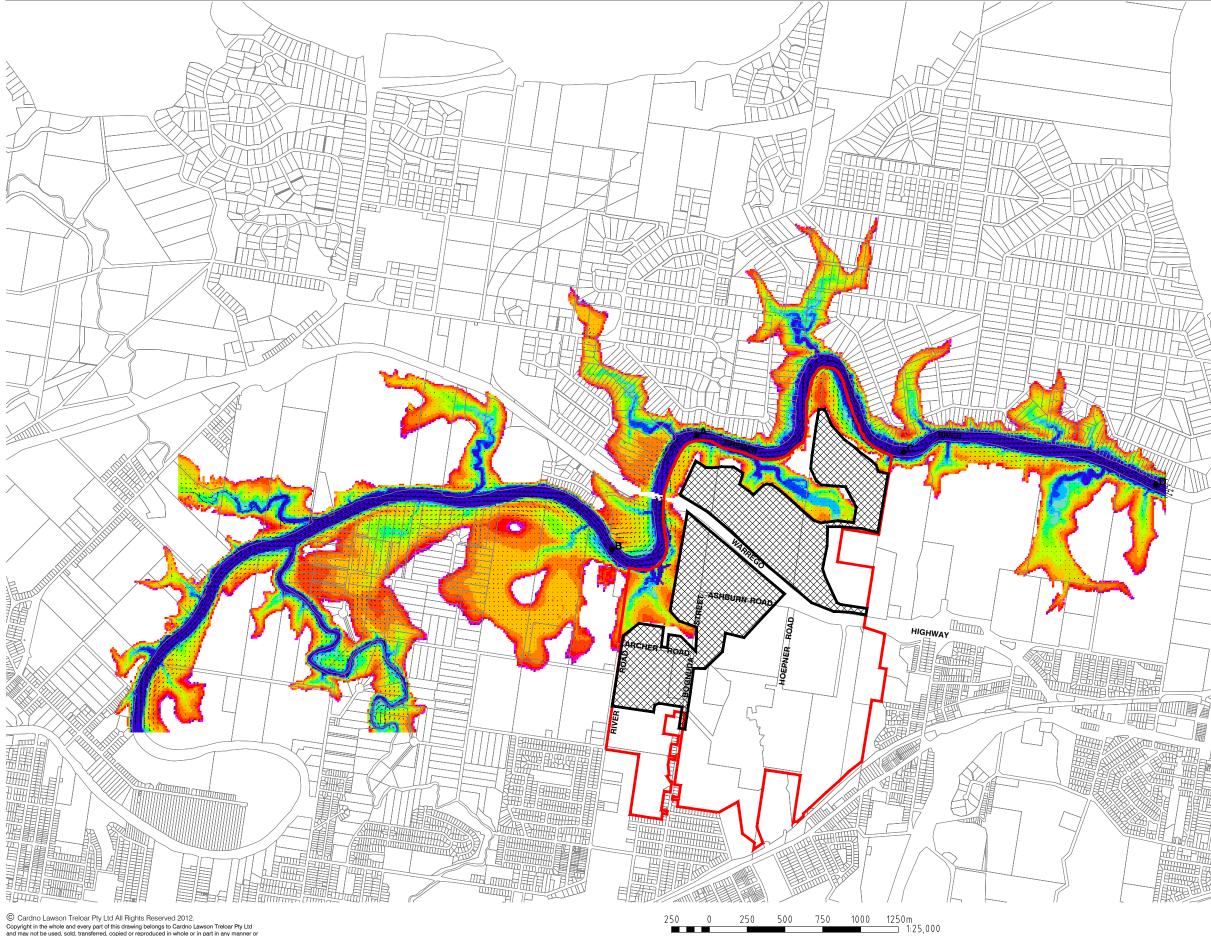
1m/s

DEPTH (m)

Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

Scale 1:25000 (A3) FIGURE C.2.2

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Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: D:\J8714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14_Bris.dwg XRFF's: vrof-Results: vr-Inswirh_DCDR_MGA

MASTERPLAN - DEPTH - SKM ULTIMATE 20 YEAR EVENT (Bris_D14)





<u>LEGEND</u>



→

Site Boundary •A Reporting Points Masterplan Fill Boundary

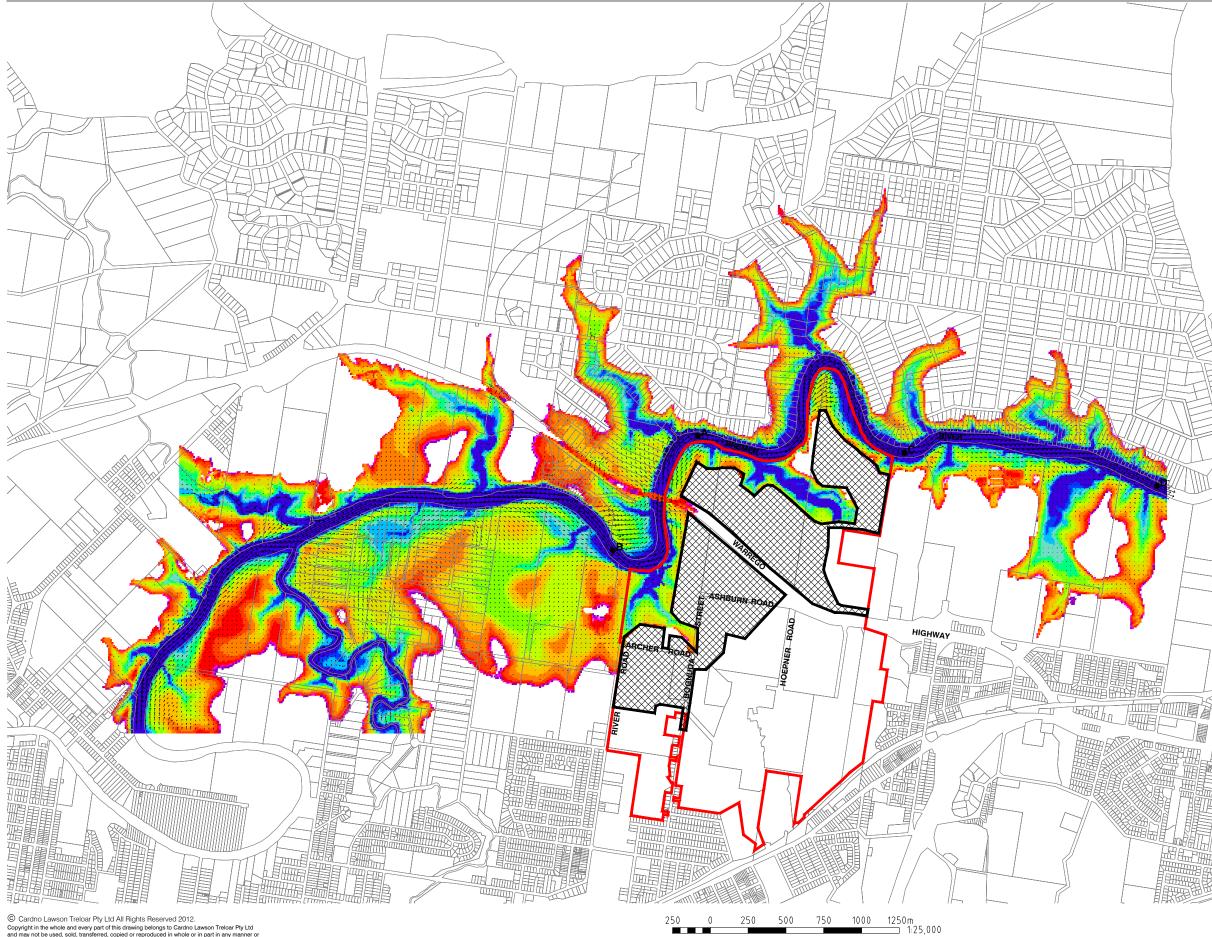
1m/s

DEPTH (m)

Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

Scale 1:25000 (A3) FIGURE C.2.3

> Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 6:49pm



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Citiswich

Flooding Investigation - Masterplan (R3/v5)

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MASTERPLAN - DEPTH - SKM ULTIMATE 50 YEAR EVENT (Bris_D14)





<u>LEGEND</u>



→

Site Boundary •A Reporting Points Masterplan Fill Boundary

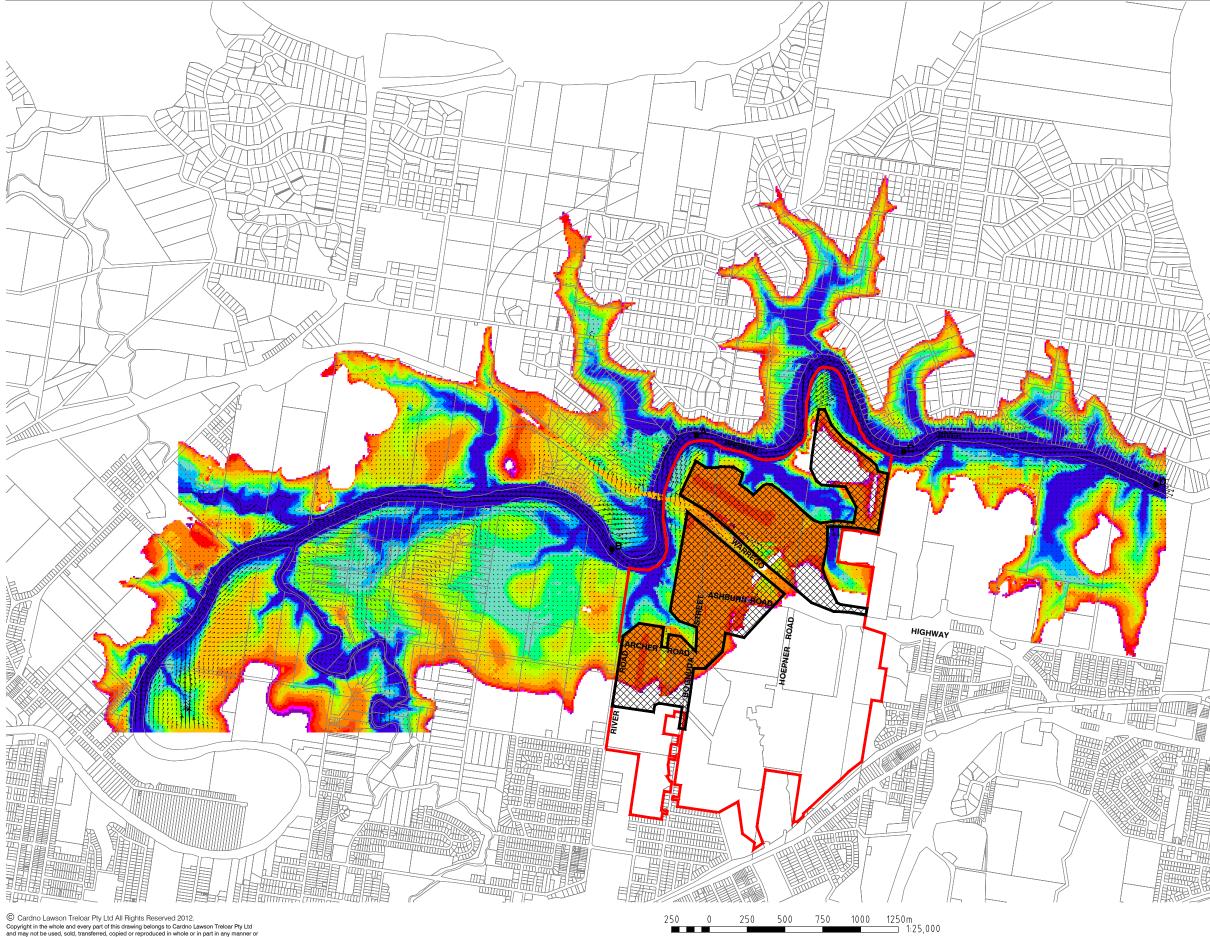
1m/s

DEPTH (m)

Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

Scale 1:25000 (A3) FIGURE C.2.4

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Flooding Investigation - Masterplan (R3/v5)

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 (AD FILE: 0\L\B714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14a_Bris.dwg

 XRFF's: vrof-Results: vr_Inswirb_DFDR_MGA

MASTERPLAN - DEPTH - SKM ULTIMATE 100 YEAR EVENT (Bris_D14a)





<u>LEGEND</u>



Site Boundary •A Reporting Points Masterplan Fill Boundary

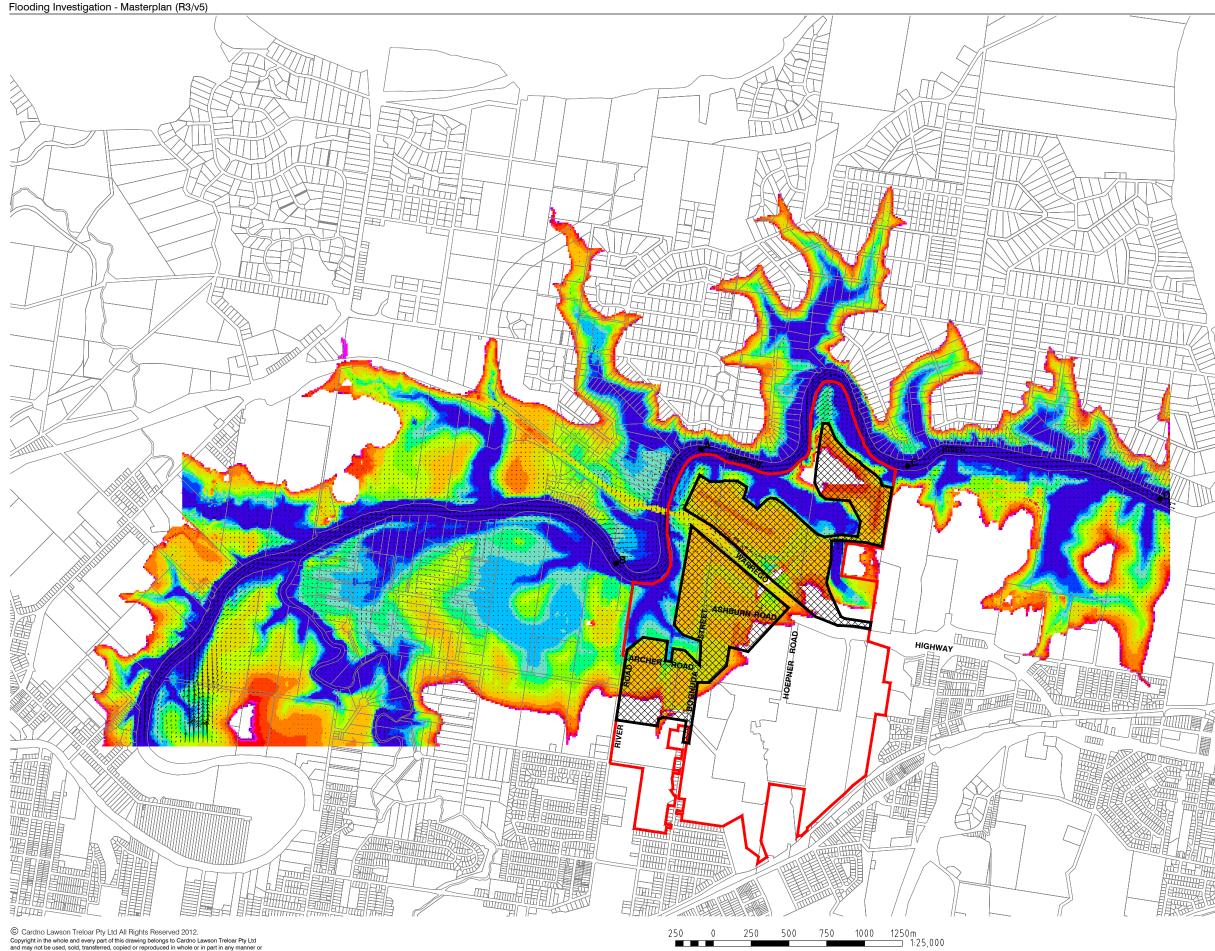
1m/s

DEPTH (m)

A Harra 10.00
Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

FIGURE C.2.5

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 (AD FILE: 0\L\B714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14a_Bris.dwg

 XRFF's: vrof-Results: vr_Inswirb_DFDR_MGA

MASTERPLAN - DEPTH - SKM ULTIMATE 200 YEAR EVENT (Bris_D14a)





<u>LEGEND</u>



→

Site Boundary •A Reporting Points Masterplan Fill Boundary

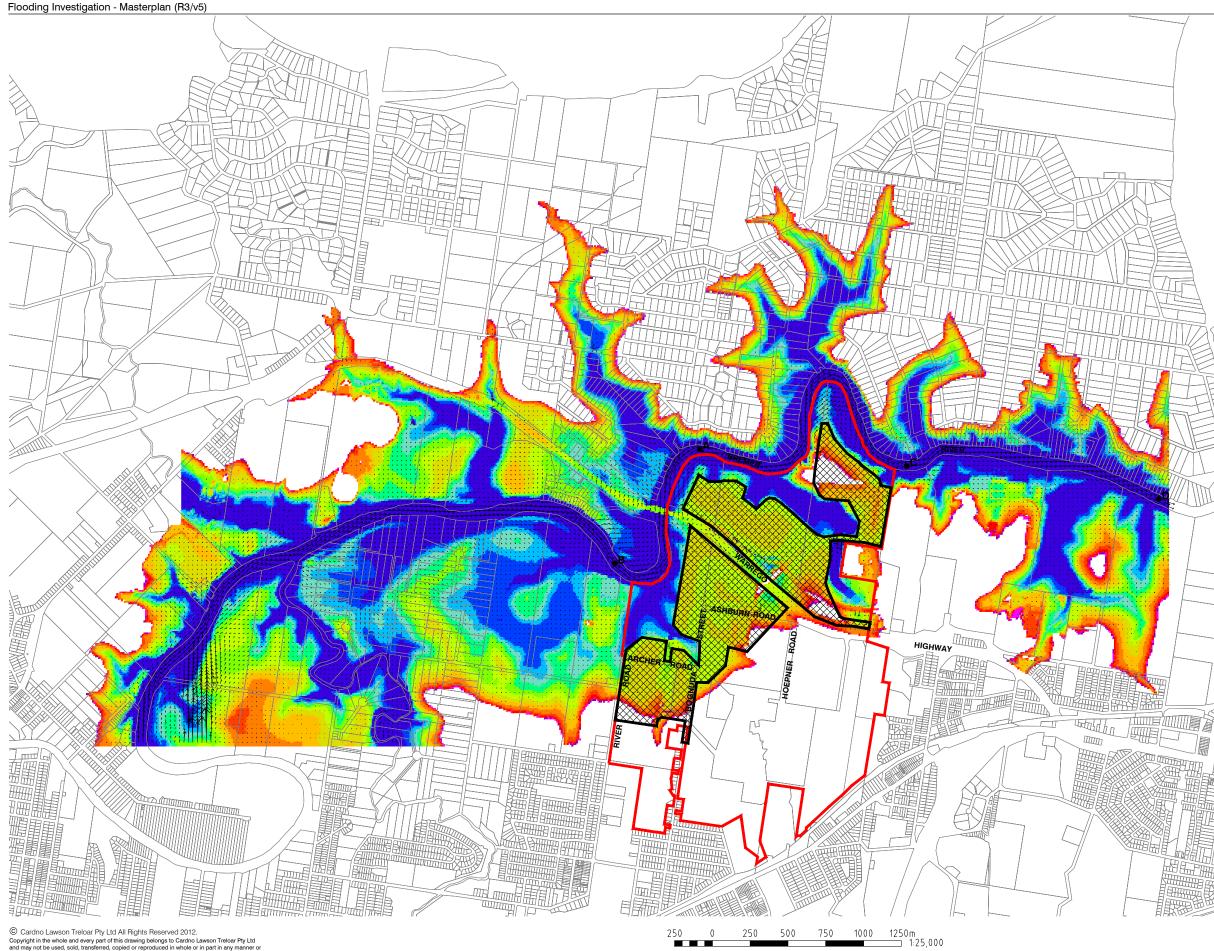
1m/s

DEPTH (m)

A Harra 10.00
Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

FIGURE C.2.6

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 Walker Corporation Pty Ltd

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 XRFF's: vrof-Results: vr_Inswirb_DFDR_MGA





<u>LEGEND</u>



→

Site Boundary •A Reporting Points Masterplan Fill Boundary

1m/s

DEPTH (m)

A Harra 10.00
Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

FIGURE C.2.7 MASTERPLAN - DEPTH - SKM ULTIMATE 500 YEAR EVENT (Bris_D14a)

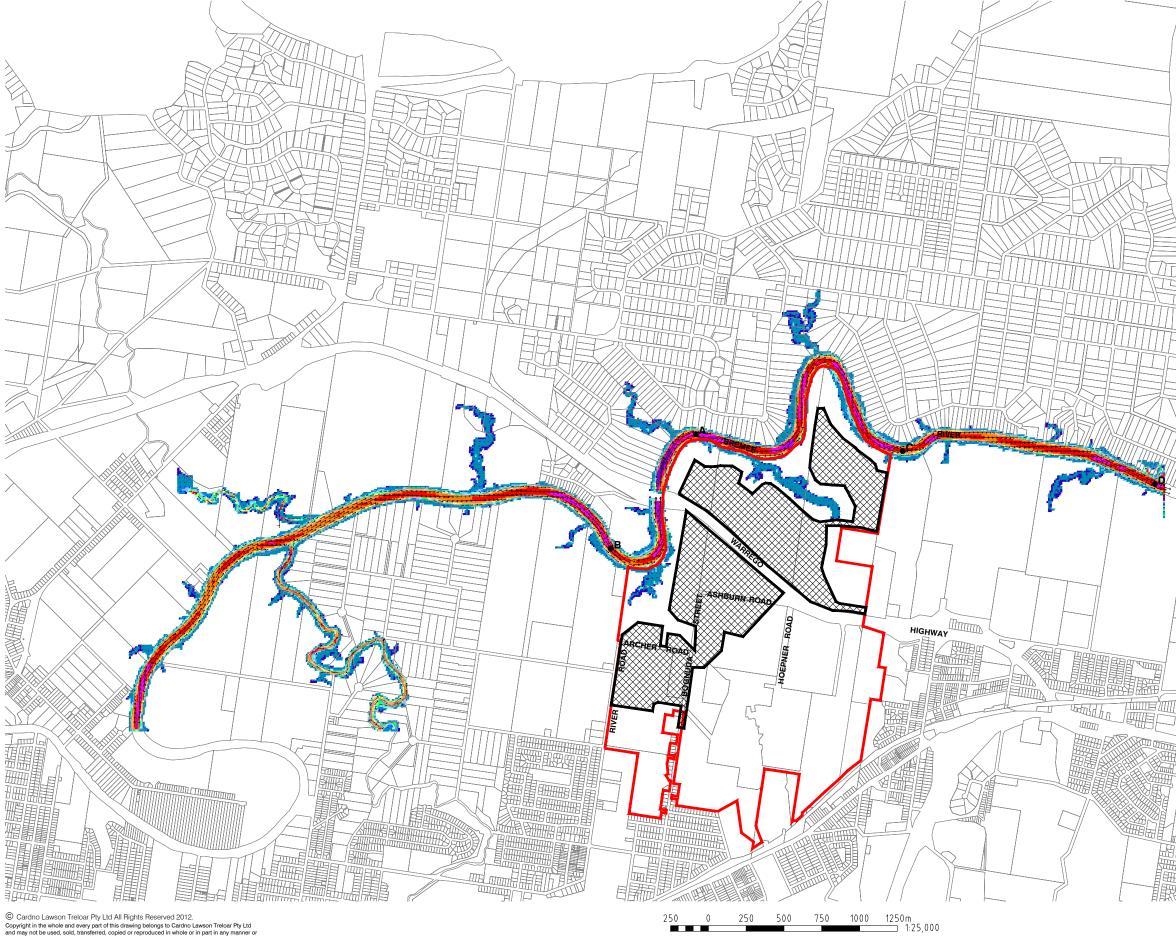
Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 6:51pm



Appendix C.3

Brisbane River Flood SOBEK 2D Masterplan Ultimate

Case Results – Speed



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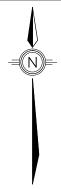
Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: D:\J8714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14_Bris.dwg XRFF's: vrof-Results: vr-Inswirh_DCDR_MGA

MASTERPLAN - SPEED - SKM ULTIMATE 5 YEAR EVENT (Bris_D14)





<u>LEGEND</u>



_

Site Boundary •A Reporting Points Masterplan Fill Boundary

1m/s

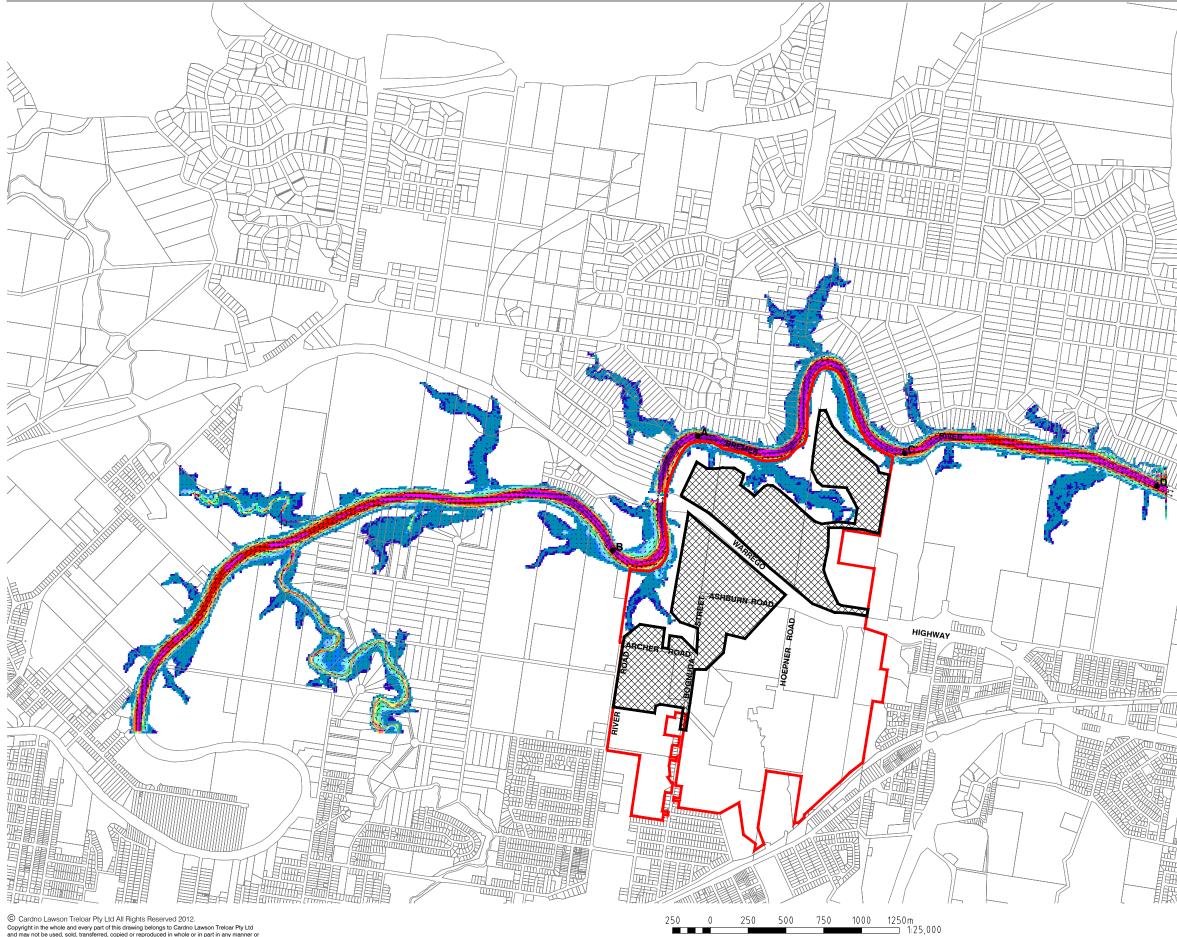
SPEED (m/s)

-

Above 2.00
1.80 to 2.00
1.60 to 1.80
1.40 to 1.60
1.20 to 1.40
1.00 to 1.20
0.90 to 1.00
0.80 to 0.90
0.70 to 0.80
0.60 to 0.70
0.50 to 0.60
0.40 to 0.50
0.30 to 0.40
0.20 to 0.30
0.01 to 0.20
Below 0.01

Scale 1:25000 (A3) FIGURE C.3.1

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Rev: 0 Date: April 2012

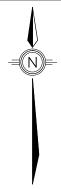
Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: D:\J8714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14_Bris.dwg XRFF's: vrof-Results: vr-Inswirh_DCDR_MGA

MASTERPLAN - SPEED - SKM ULTIMATE 10 YEAR EVENT (Bris_D14)





<u>LEGEND</u>



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Site Boundary •A Reporting Points Masterplan Fill Boundary

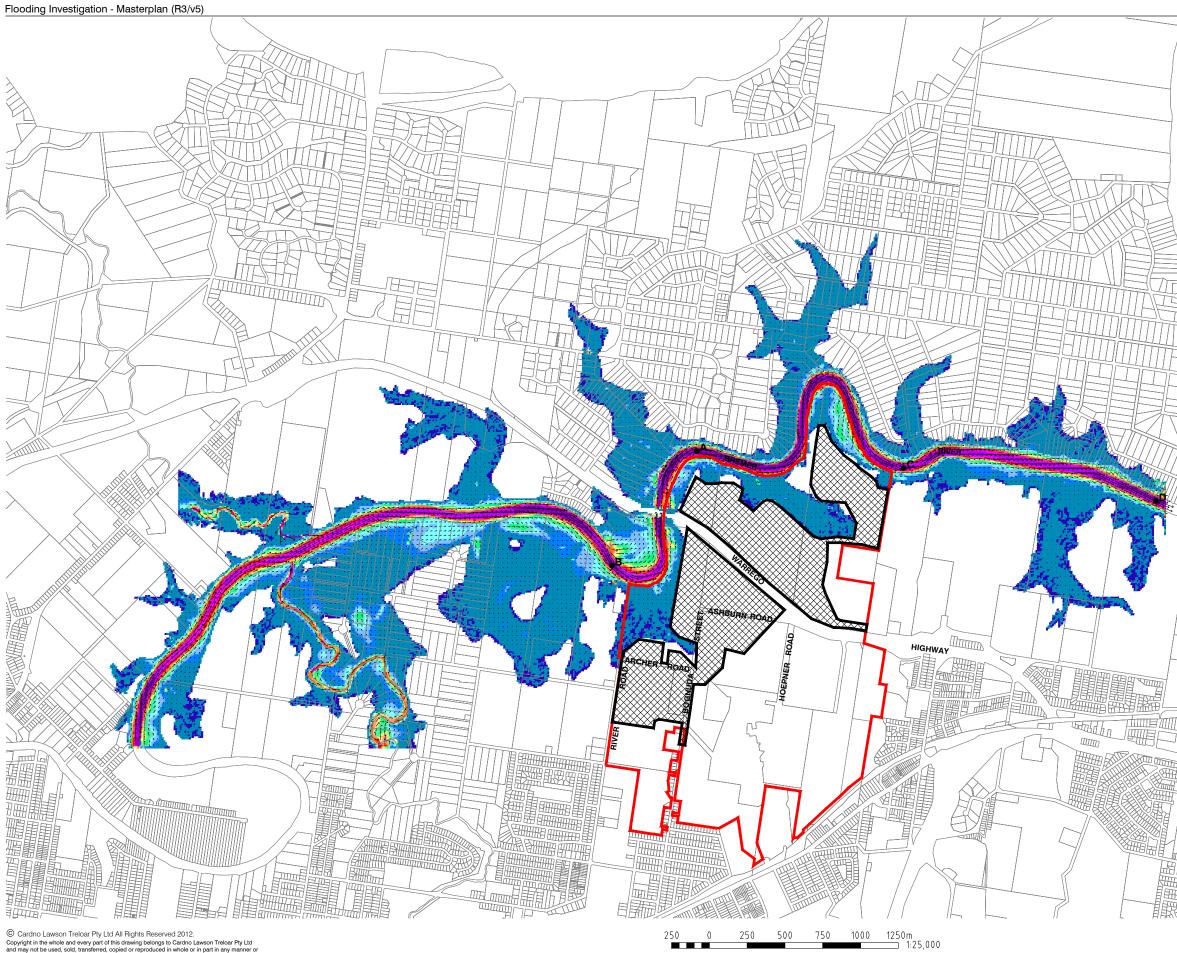
1m/s

SPEED (m/s)

Above 2.00
1.80 to 2.00
1.60 to 1.80
1.40 to 1.60
1.20 to 1.40
1.00 to 1.20
0.90 to 1.00
0.80 to 0.90
0.70 to 0.80
0.60 to 0.70
0.50 to 0.60
0.40 to 0.50
0.30 to 0.40
0.20 to 0.30
0.01 to 0.20
Below 0.01

Scale 1:25000 (A3) FIGURE C.3.2

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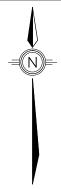
Rev: 0 Date: April 2012

Citiswich

Walker Corporation Pty Ltd CAD FILE: D:\J8714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14_Bris.dwg XRFF's: vrof-Results: vr-Inswirh_DCDR_MGA

MASTERPLAN - SPEED - SKM ULTIMATE 20 YEAR EVENT (Bris_D14)





<u>LEGEND</u>



→

Site Boundary •A Reporting Points Masterplan Fill Boundary

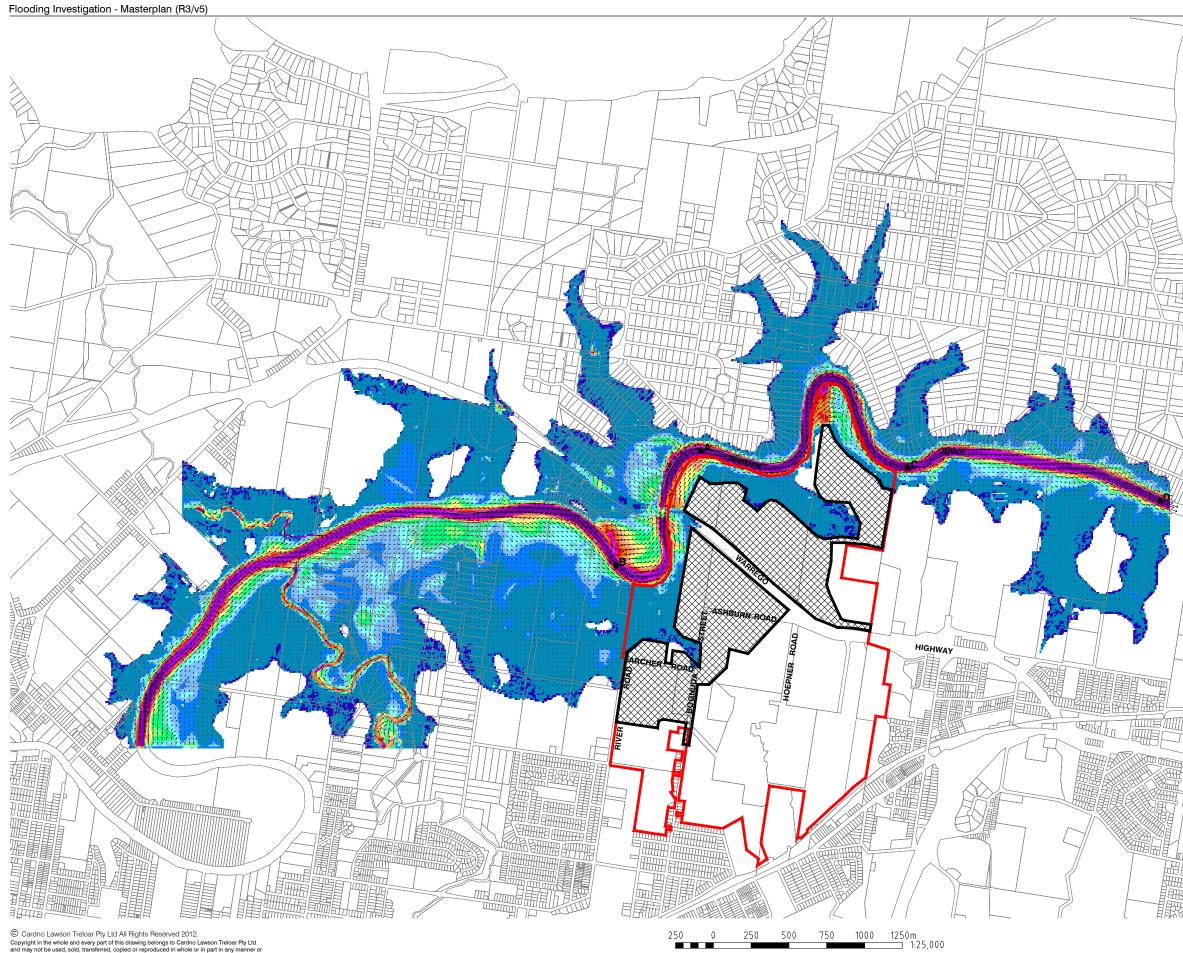
1m/s

SPEED (m/s)

Above 2.00
1.80 to 2.00
1.60 to 1.80
1.40 to 1.60
1.20 to 1.40
1.00 to 1.20
0.90 to 1.00
0.80 to 0.90
0.70 to 0.80
0.60 to 0.70
0.50 to 0.60
0.40 to 0.50
0.30 to 0.40
0.20 to 0.30
0.01 to 0.20
Below 0.01

Scale 1:25000 (A3) FIGURE C.3.3

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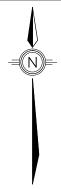
Rev: 0 Date: April 2012

Citiswich

Walker Corporation Pty Ltd CAD FILE: D:\J8714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14_Bris.dwg XRFF's: vrof-Results: vr-Inswirh_DCDR_MGA

MASTERPLAN - SPEED - SKM ULTIMATE 50 YEAR EVENT (Bris_D14)





<u>LEGEND</u>



→

Site Boundary •A Reporting Points Masterplan Fill Boundary

1m/s

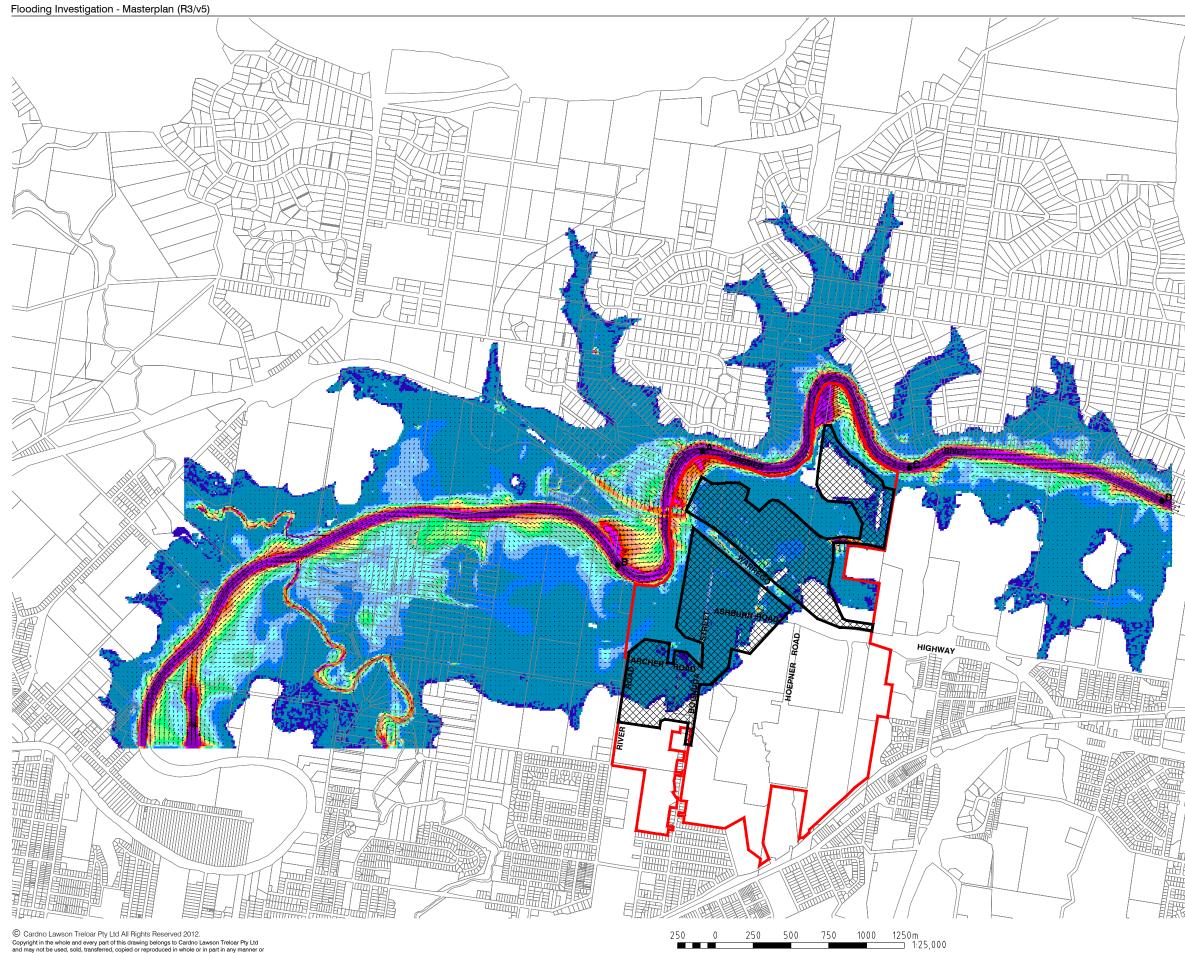
SPEED (m/s)

-

Above 2.00
1.80 to 2.00
1.60 to 1.80
1.40 to 1.60
1.20 to 1.40
1.00 to 1.20
0.90 to 1.00
0.80 to 0.90
0.70 to 0.80
0.60 to 0.70
0.50 to 0.60
0.40 to 0.50
0.30 to 0.40
0.20 to 0.30
0.01 to 0.20
Below 0.01

Scale 1:25000 (A3) FIGURE C.3.4

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Citiswich

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 (AD FILE: 0\L\B714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14a_Bris.dwg

 XRFF's: vrof-Results: vr_Inswirb_DFDR_MGA

MASTERPLAN - SPEED - SKM ULTIMATE 100 YEAR EVENT (Bris_D14a)





<u>LEGEND</u>



Site Boundary •A Reporting Points Masterplan Fill Boundary

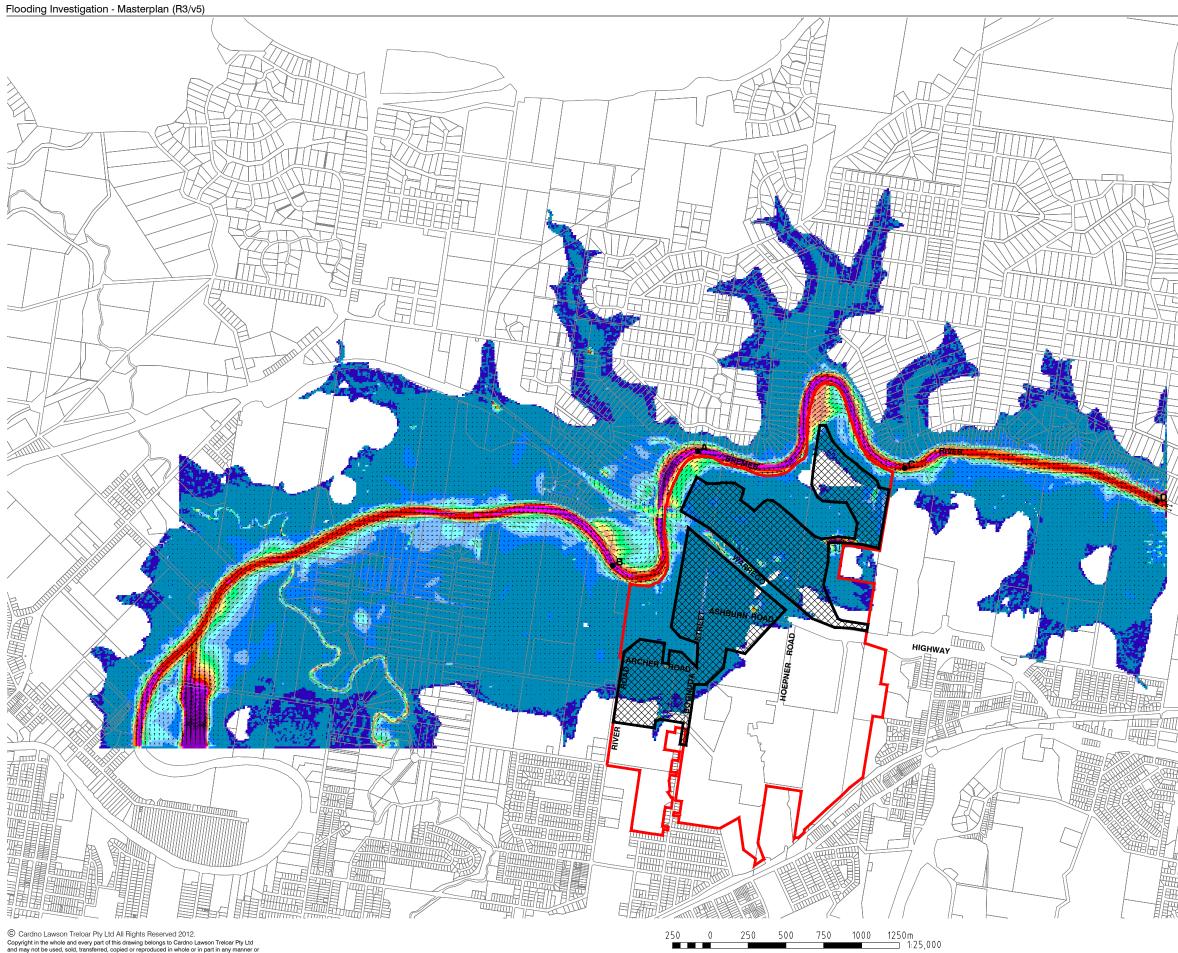
1m/s

SPEED (m/s)

Above 2.00
1.80 to 2.00
1.60 to 1.80
1.40 to 1.60
1.20 to 1.40
1.00 to 1.20
0.90 to 1.00
0.80 to 0.90
0.70 to 0.80
0.60 to 0.70
0.50 to 0.60
0.40 to 0.50
0.30 to 0.40
0.20 to 0.30
0.01 to 0.20
Below 0.01

FIGURE C.3.5

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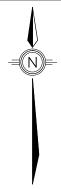
Rev: 0 Date: May 2012

Citiswich

Walker Corporation Pty Ltd CAD FILE: 0\\J871\\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14a_Bris.dwg XRFF's: vrof-Results: vr_Inswich_DFDR_MGA

MASTERPLAN - SPEED - SKM ULTIMATE 200 YEAR EVENT (Bris_D14a)





<u>LEGEND</u>



→

Site Boundary •A Reporting Points Masterplan Fill Boundary

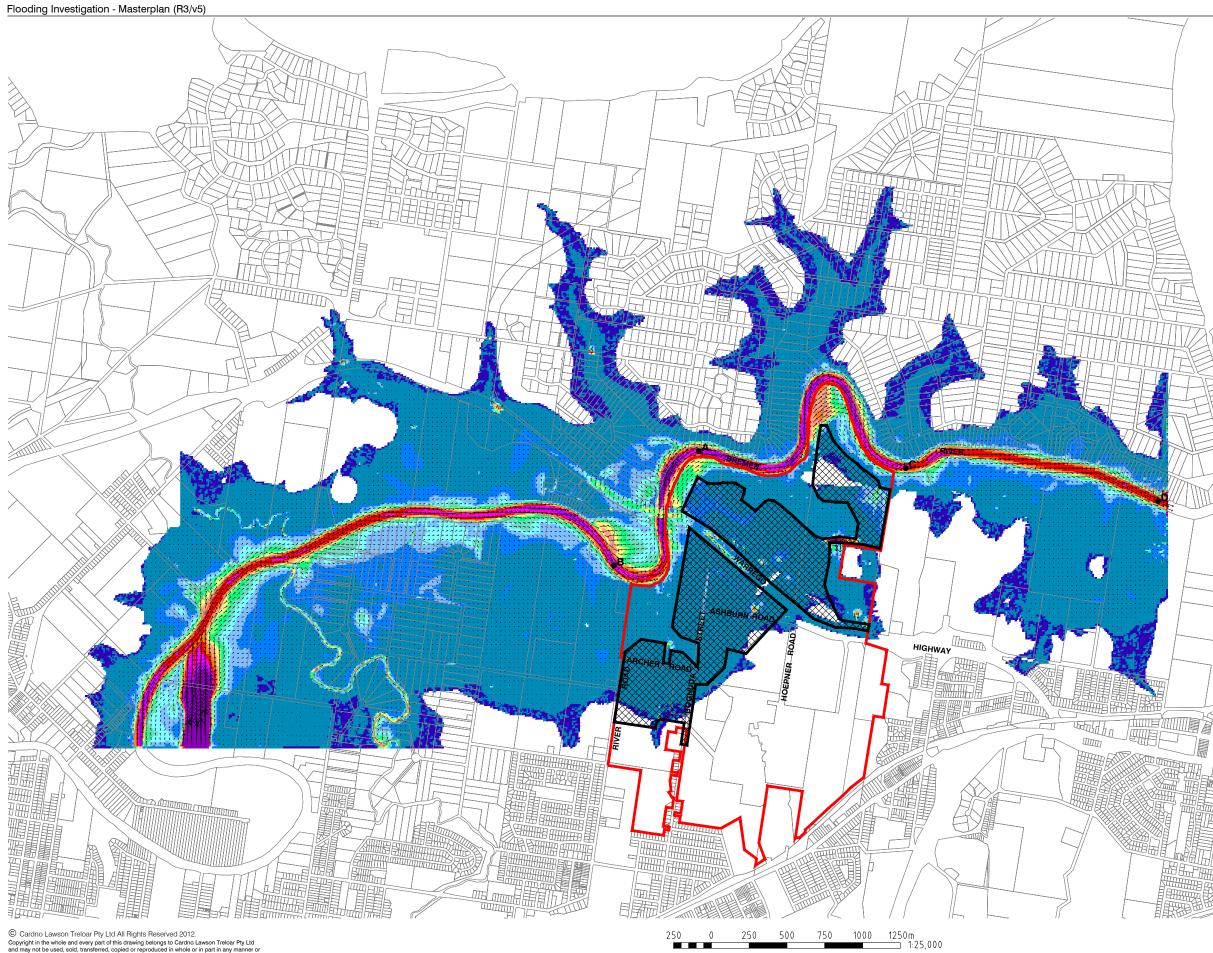
1m/s

SPEED (m/s)

Above 2.00 1.80 to 2.00
1.60 to 1.80
1.40 to 1.60
1.20 to 1.40
1.00 to 1.20
0.90 to 1.00
0.80 to 0.90
0.70 to 0.80
0.60 to 0.70
0.50 to 0.60
0.40 to 0.50
0.30 to 0.40
0.20 to 0.30
0.01 to 0.20
Below 0.01

FIGURE C.3.6

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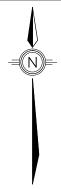
Rev: 0 Date: May 2012

Citiswich

Walker Corporation Pty Ltd CAD FILE: 0\\JB714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14a_Bris.dwg XRFF's: vref_Results: vr_Inswich_DCDR_MGA

MASTERPLAN - SPEED - SKM ULTIMATE 500 YEAR EVENT (Bris_D14a)





<u>LEGEND</u>



→

Site Boundary •A Reporting Points Masterplan Fill Boundary

1m/s

SPEED (m/s)

Above 2.00
1.80 to 2.00
1.60 to 1.80
1.40 to 1.60
1.20 to 1.40
1.00 to 1.20
0.90 to 1.00
0.80 to 0.90
0.70 to 0.80
0.60 to 0.70
0.50 to 0.60
0.40 to 0.50
0.30 to 0.40
0.20 to 0.30
0.01 to 0.20
Below 0.01

FIGURE C.3.7

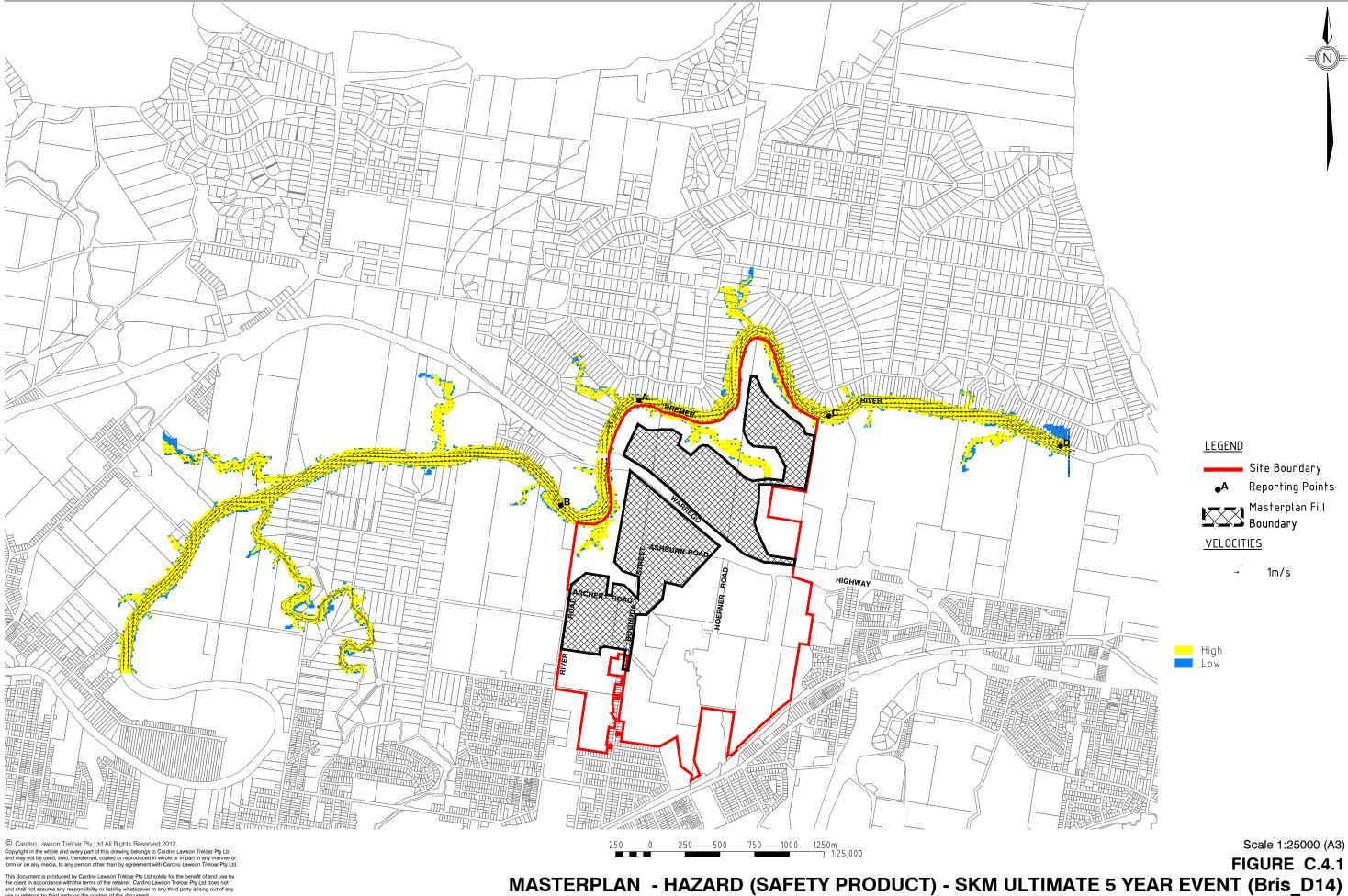
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Appendix C.4

Brisbane River Flood SOBEK 2D Masterplan Ultimate

Case Results – Hazard (Safety Product)



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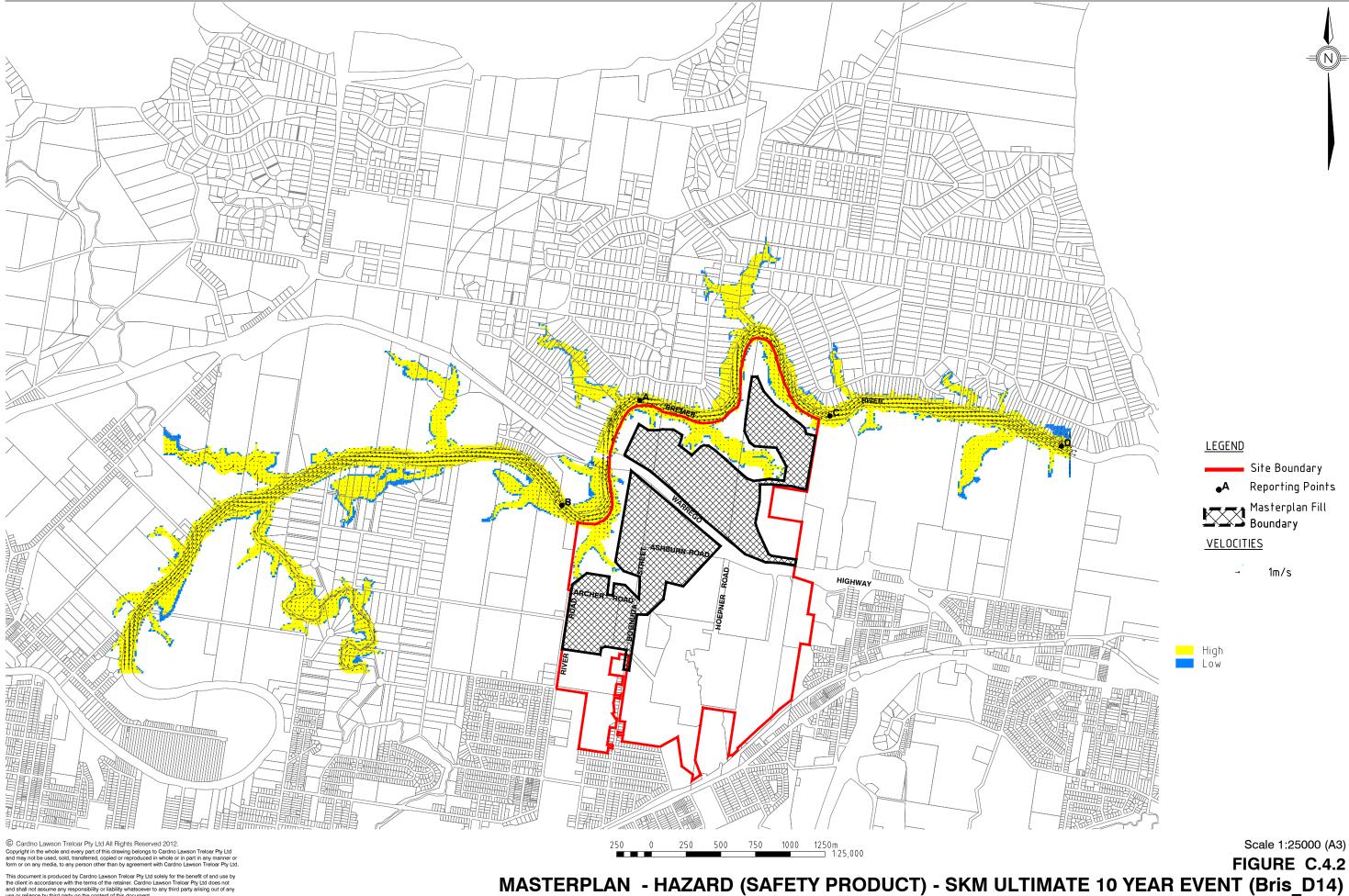
Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: D:\J8714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14_Bris.dwg XRFF's: vrof-Results: vr-Inswirh_DCDR_MGA



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 6:52pm



Rev: 0 Date: April 2012

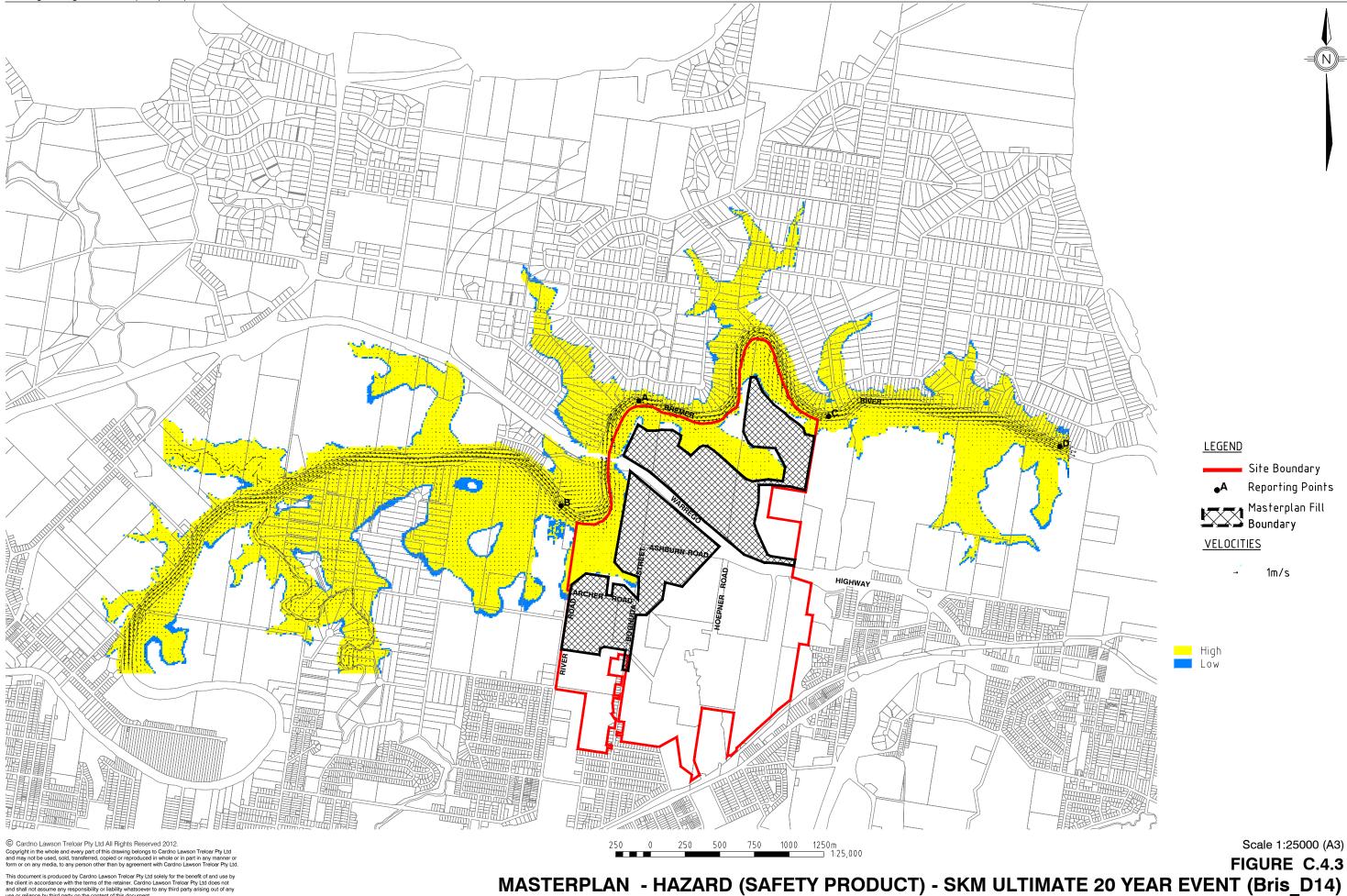
Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: D:\J8714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14_Bris.dwg XRFF's: vrof-Results: vr-Inswirh_DCDR_MGA



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 6:53pm

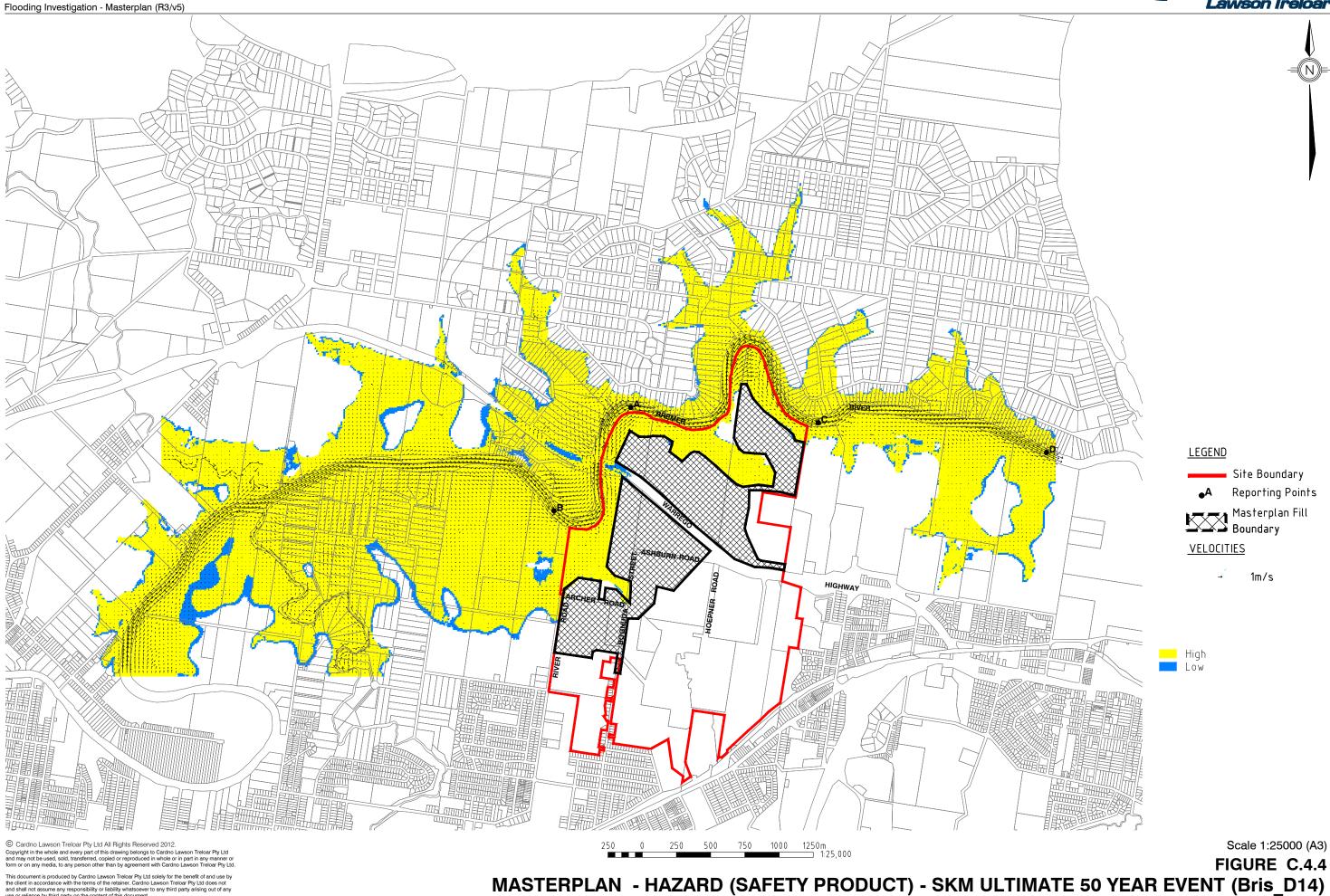


Rev: 0 Date: April 2012

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Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 6:53pm



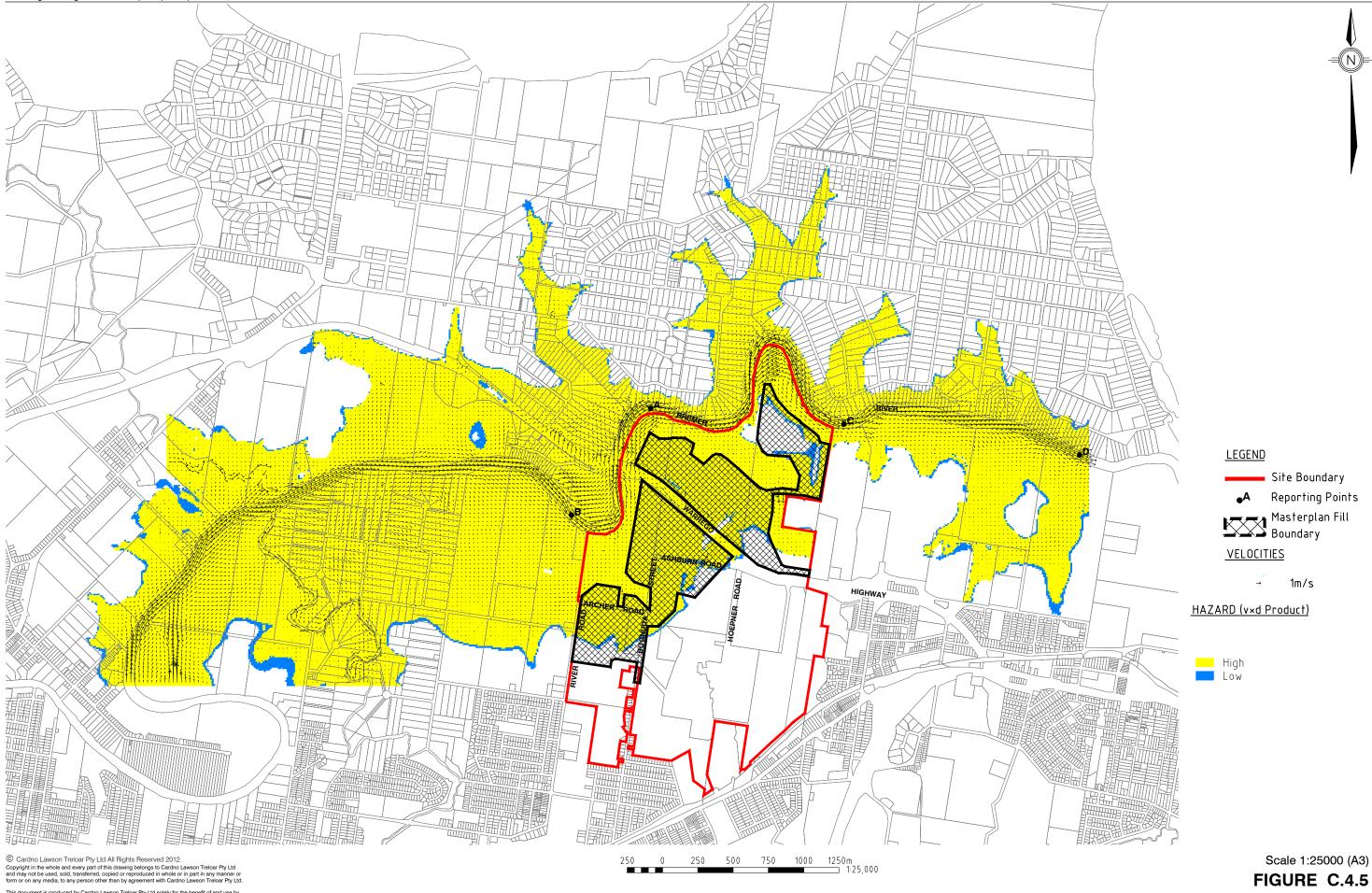
Rev: 0 Date: April 2012

Citiswich

Walker Corporation Pty Ltd CAD FILE: D:\J8714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14_Bris.dwg XRFF's: vrof-Results: vr-Inswirh_DCDR_MGA



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 6:54pm



Rev: 0 Date: May 2012

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Flooding Investigation - Masterplan (R3/v5)

 Walker Corporation Pty Ltd

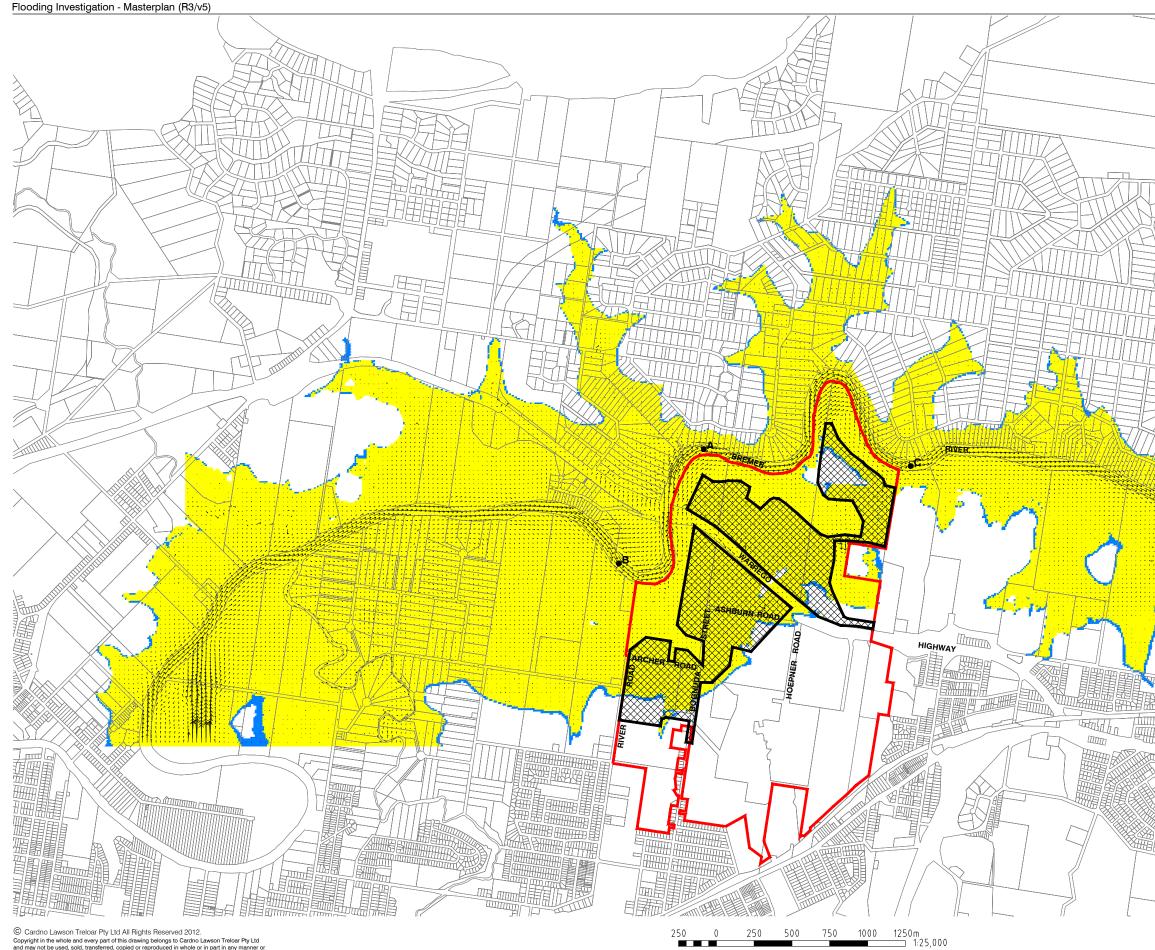
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 XRFF's: vrof-Results: vr_Inswirb_DFDR_MGA

MASTERPLAN - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 100 YEAR EVENT (Bris_D14a)



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:35pm



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Rev: 0 Date: May 2012

Citiswich

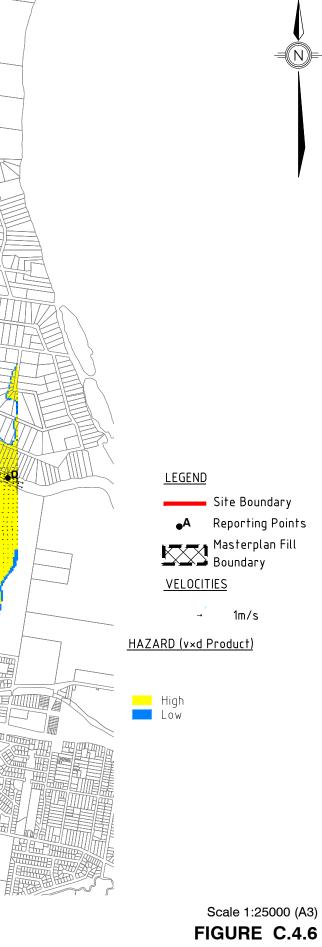
 Walker Corporation Pty Ltd

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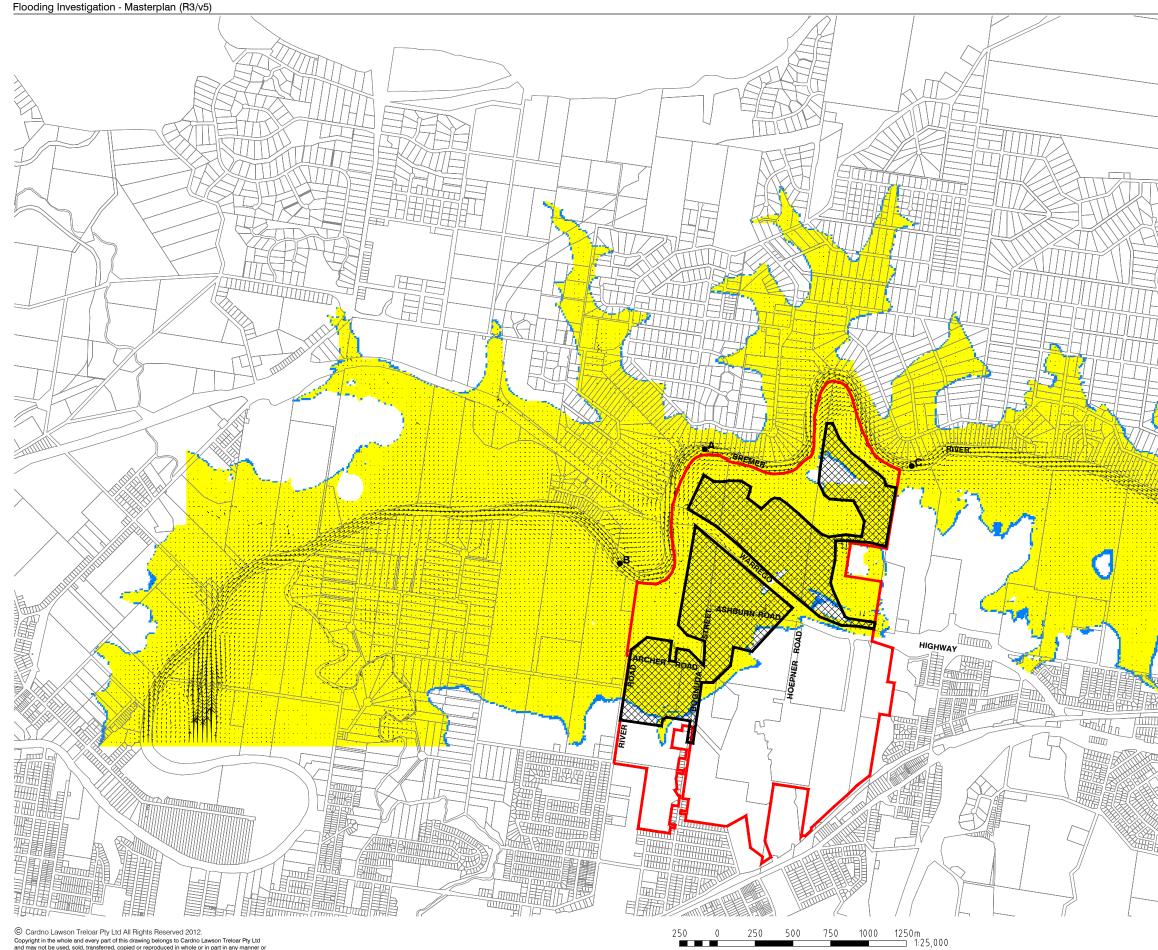
 XRFF's: vrof-Results: vr_Inswirb_DFDR_MGA

MASTERPLAN - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 200 YEAR EVENT (Bris_D14a)





Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:35pm



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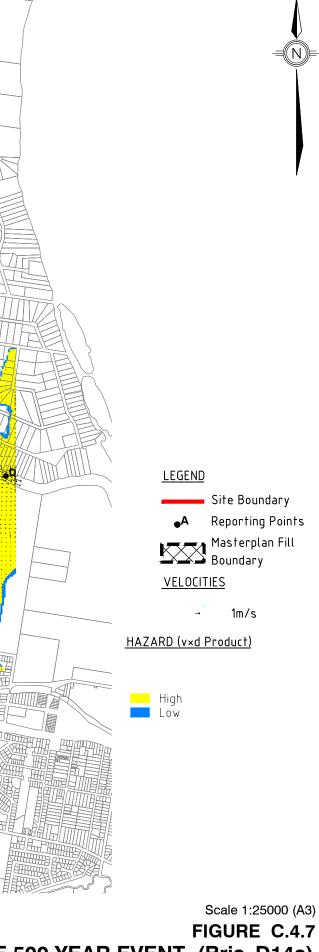
 Walker Corporation Pty Ltd

 (AD FILE: 0\L\B714\Figures\R3v5_Masterplan_Flooding\Appendices\App C,D\Figure_R3v5_D14a_Bris.dwg

 XRFF's: vrof-Results: vr_Inswirb_DFDR_MGA

MASTERPLAN - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 500 YEAR EVENT (Bris_D14a)





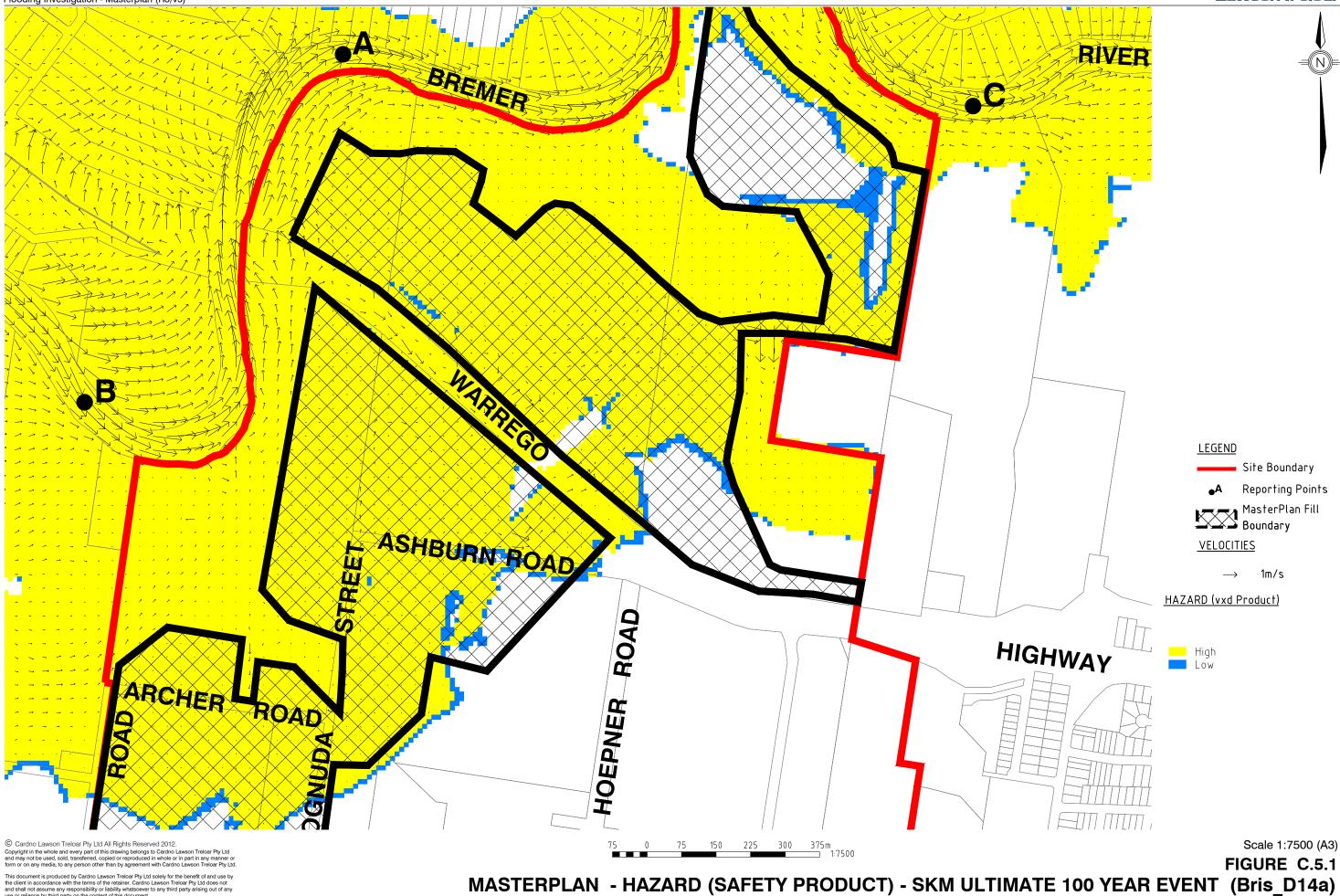
Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:36pm



Appendix C.5

Brisbane River Flood SOBEK 2D Masterplan Ultimate

Case Results – Site Specific Hazard (Safety Product)



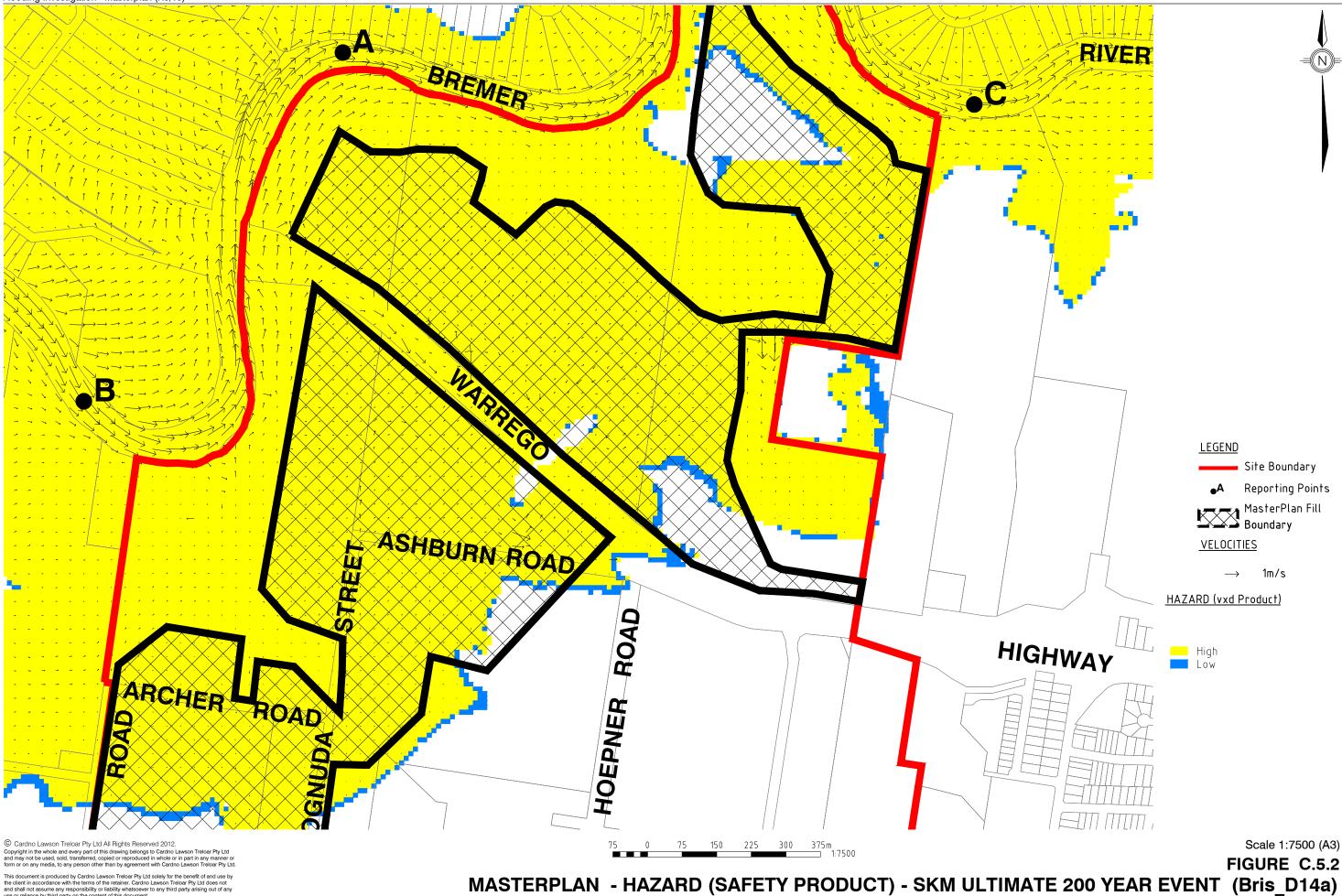
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Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 6:58pm



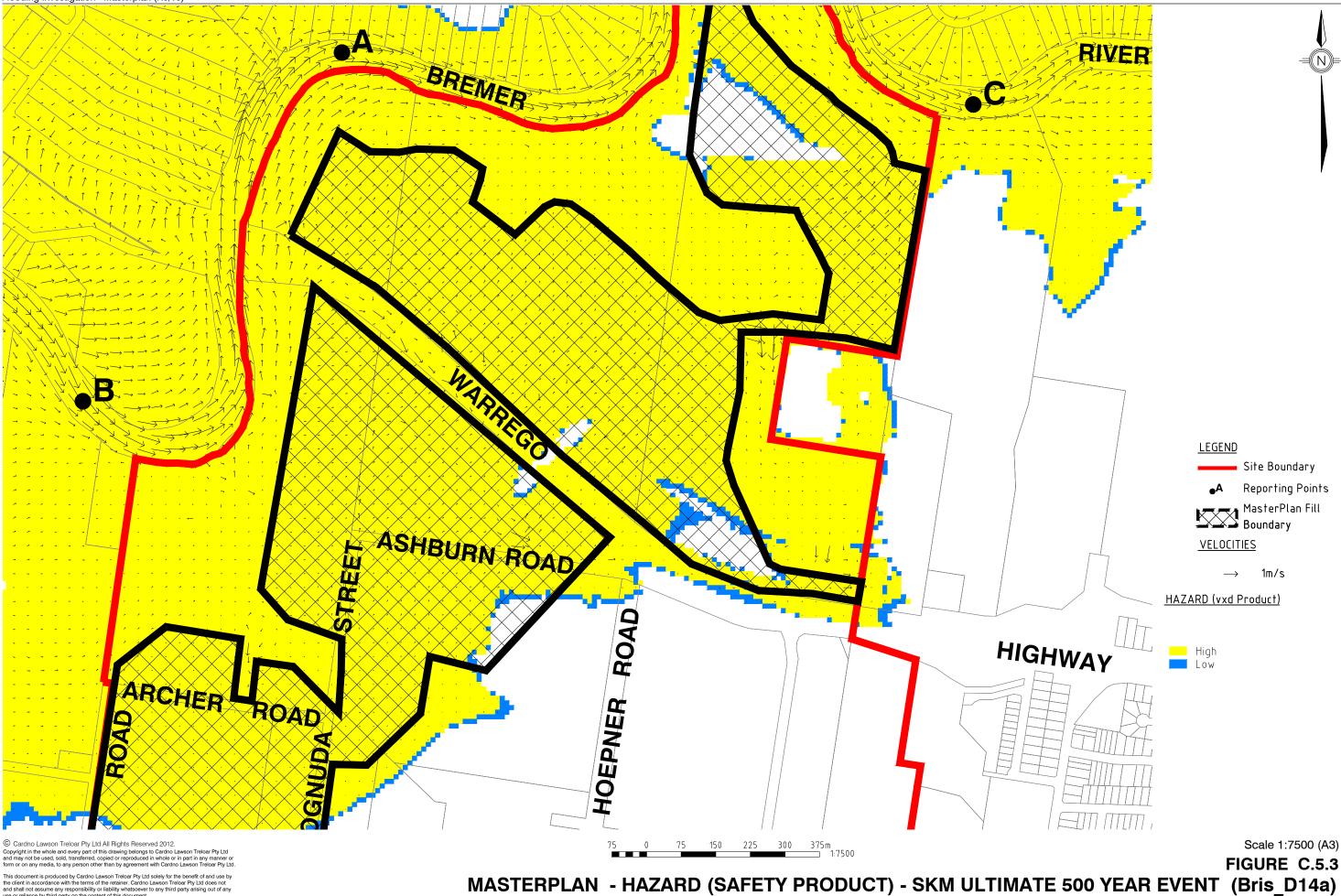
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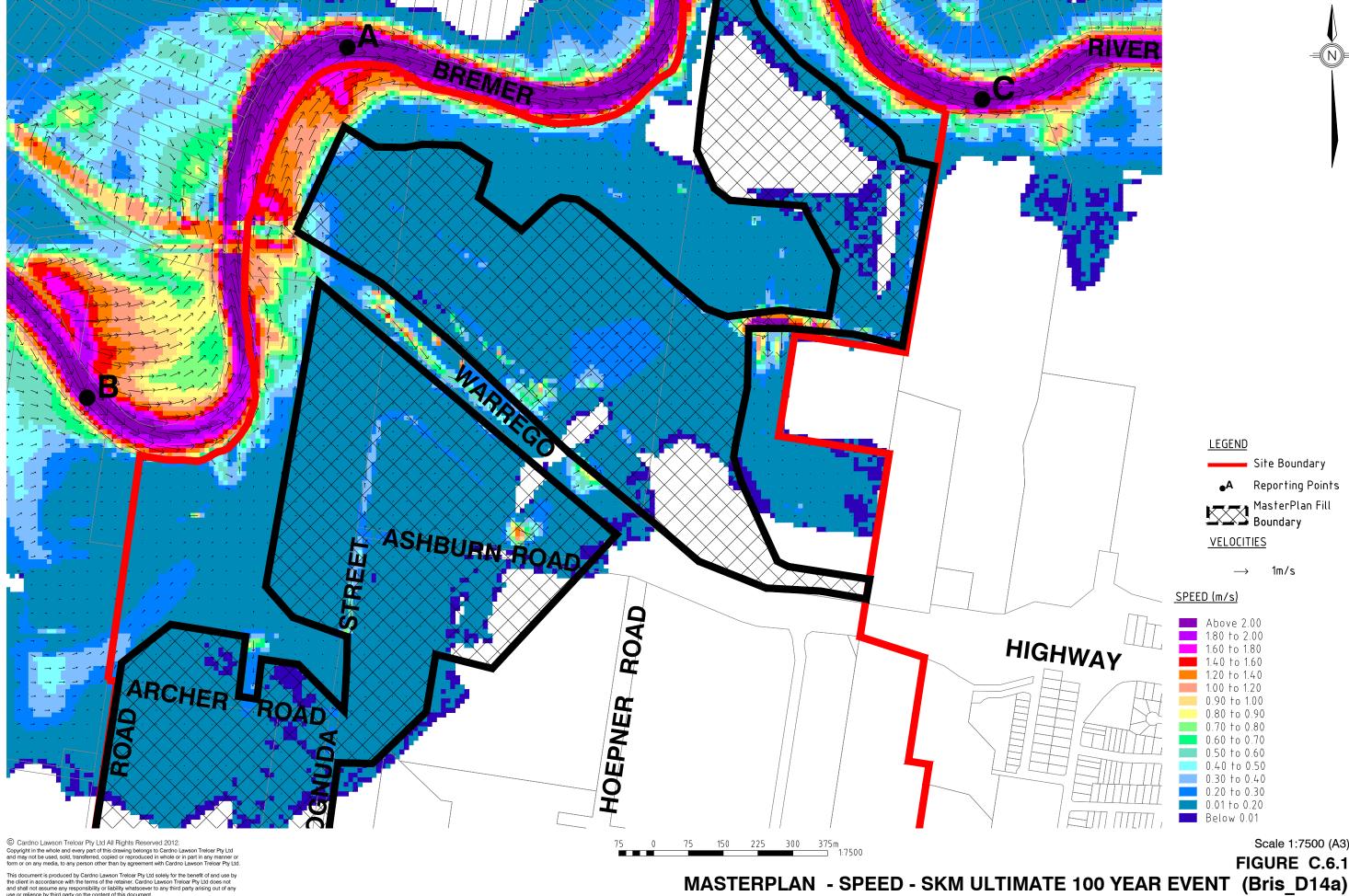
Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:00pm



Appendix C.6

Brisbane River Flood SOBEK 2D Masterplan Ultimate

Case Results – Site Specific Speed

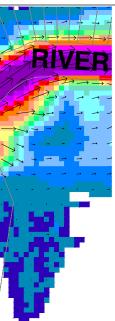


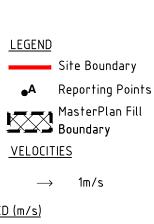
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SPEED (m/s)

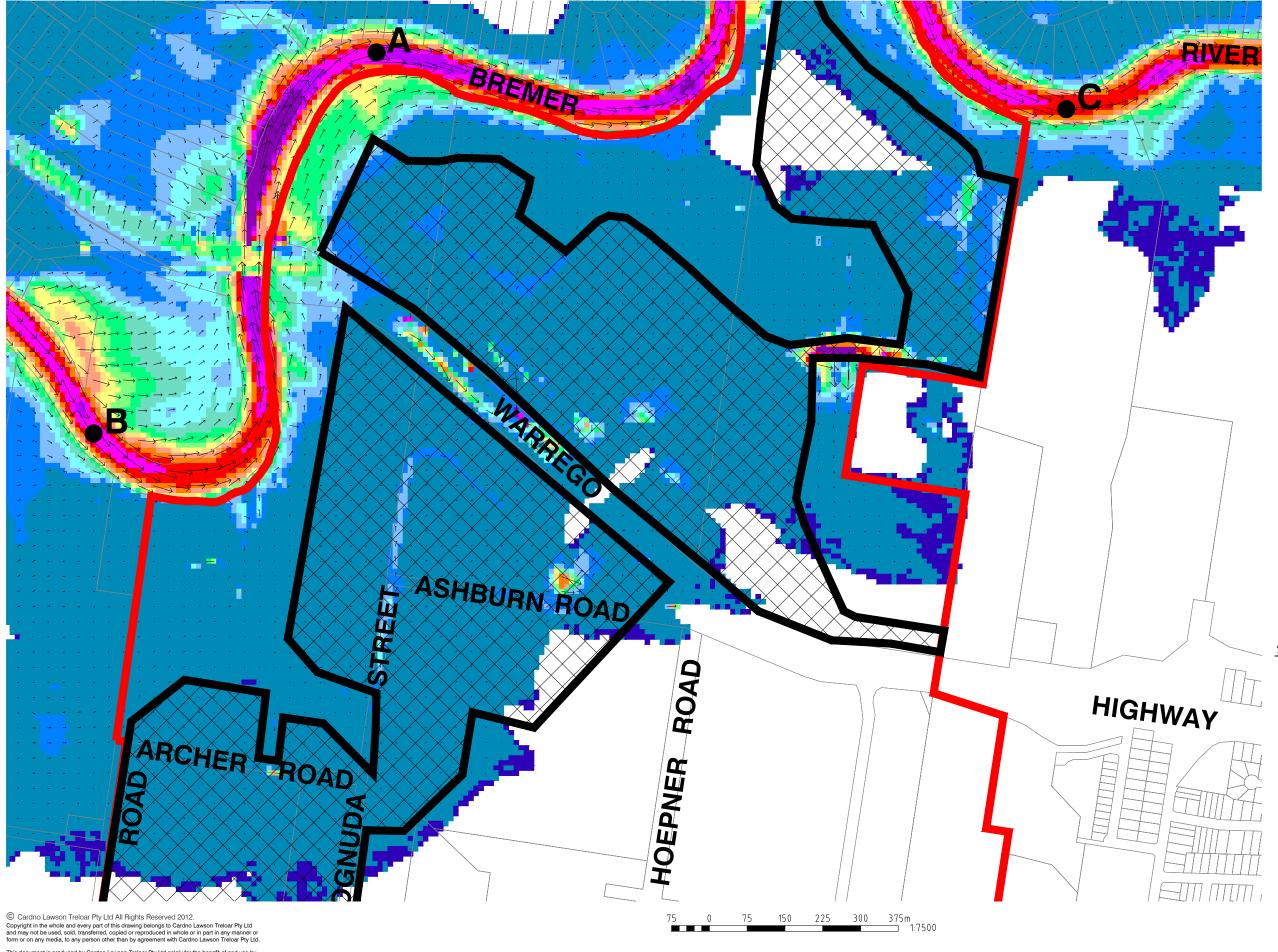
MAY NAY	

Above 2.00 1.80 to 2.00 1.60 to 1.80 1.40 to 1.60 1.20 to 1.40 1.00 to 1.20 0.90 to 1.00 0.80 to 0.90 0.70 to 0.80 0.60 to 0.70 0.50 to 0.60 0.40 to 0.50 0.30 to 0.40 0.20 to 0.30 0.01 to 0.20 Below 0.01

> Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:00pm

Scale 1:7500 (A3)

FIGURE C.6.1

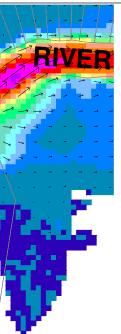


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 \rightarrow

Site Boundary Reporting Points MasterPlan Fill Boundary VELOCITIES

1m/s

SPEED (m/s)

Above 2.00
1.80 to 2.00
1.60 to 1.80
1.40 to 1.60
1.20 to 1.40
1.00 to 1.20
0.90 to 1.00
0.80 to 0.90
0.70 to 0.80
0.60 to 0.70
0.50 to 0.60
0.40 to 0.50
0.30 to 0.40
0.20 to 0.30
0.01 to 0.20
Below 0.01

MASTERPLAN - SPEED - SKM ULTIMATE 200 YEAR EVENT (Bris_D14a)

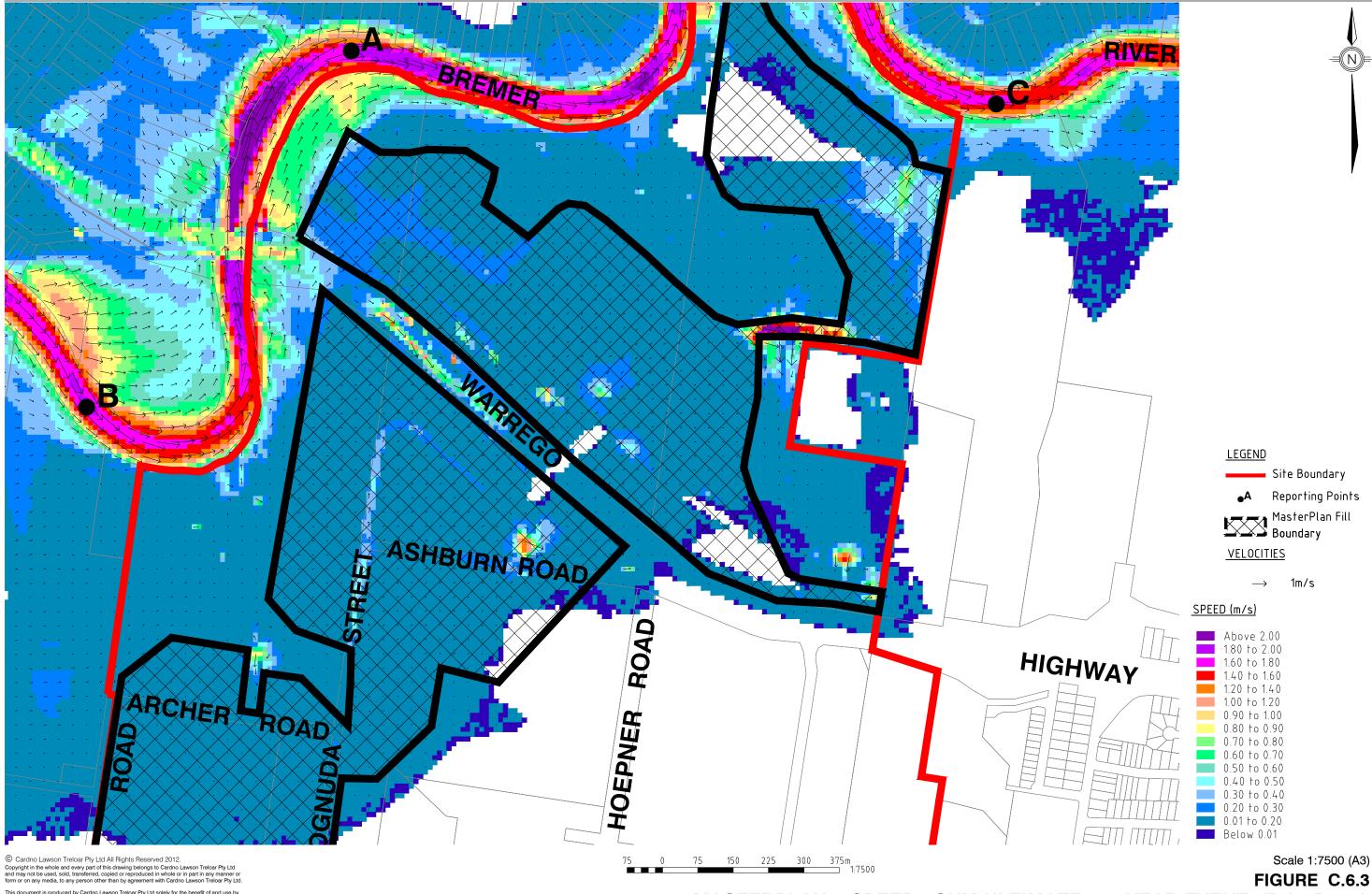
Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:01pm

Scale 1:7500 (A3)

FIGURE C.6.2

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Flooding Investigation - Masterplan (R3/v5)



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Site Boundary Reporting Points

1m/s

Above 2.0 1.80 to 2.0
1.60 to 1.8
1.40 to 1.6
1.20 to 1.4
1.00 to 1.2
0.90 to 1.0
0.80 to 0.9
0.70 to 0.8
0.60 to 0.7
0.50 to 0.6
0.40 to 0.5
0.30 to 0.4
0.20 to 0.3
0.01 to 0.2
Below 0.01

MASTERPLAN - SPEED - SKM ULTIMATE 500 YEAR EVENT (Bris_D14a)

Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:01pm



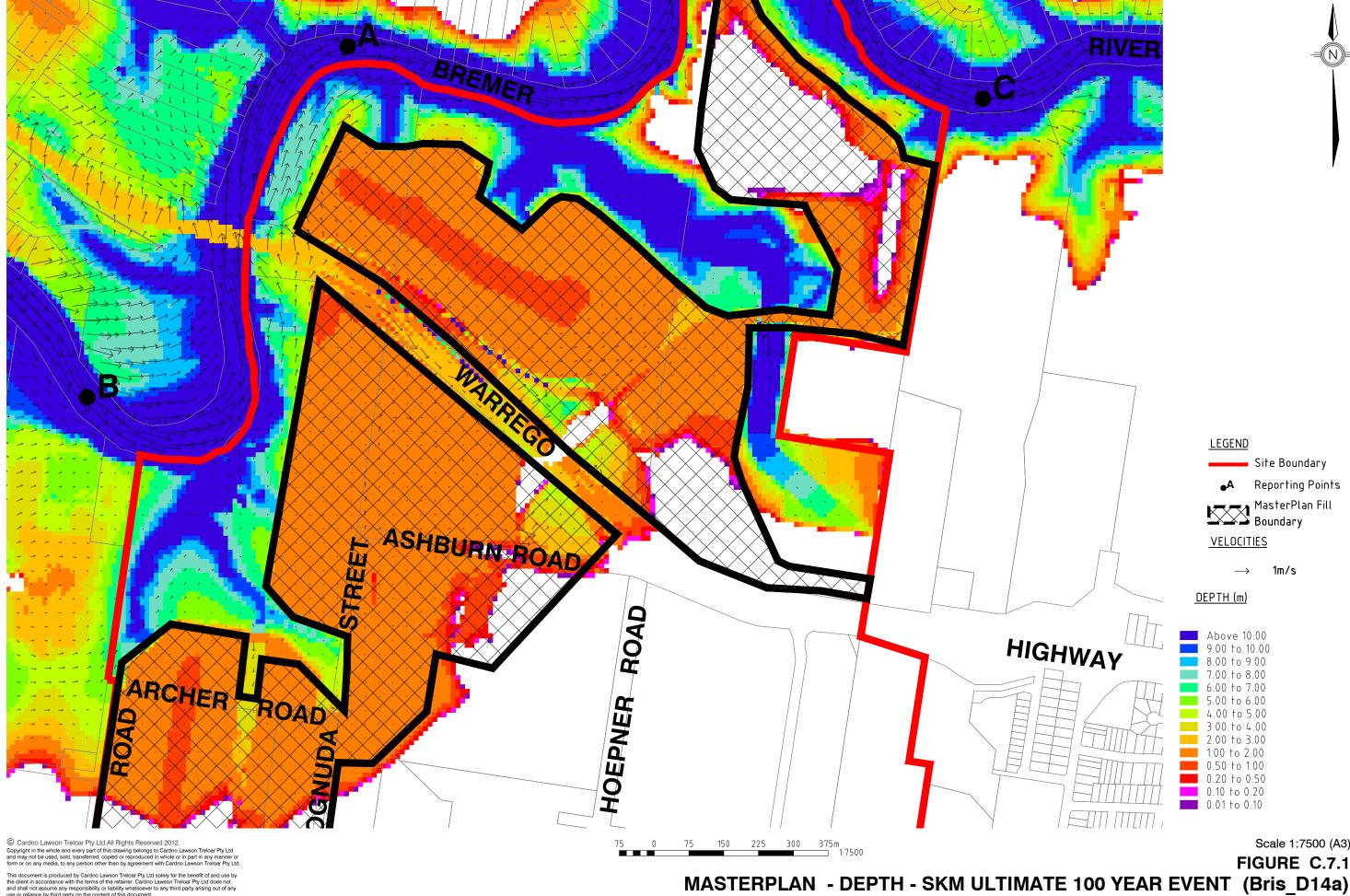
Appendix C.7

Brisbane River Flood SOBEK 2D Masterplan Ultimate

Case Results – Site Specific Depth

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Flooding Investigation - Masterplan (R3/v5)



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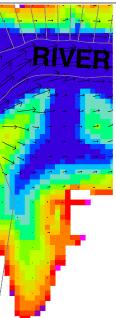
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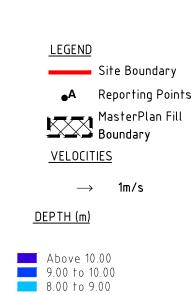
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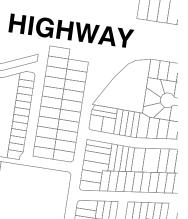
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 XRFF's: vref-Results: vr_Inswich_DFDR_MGA









Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

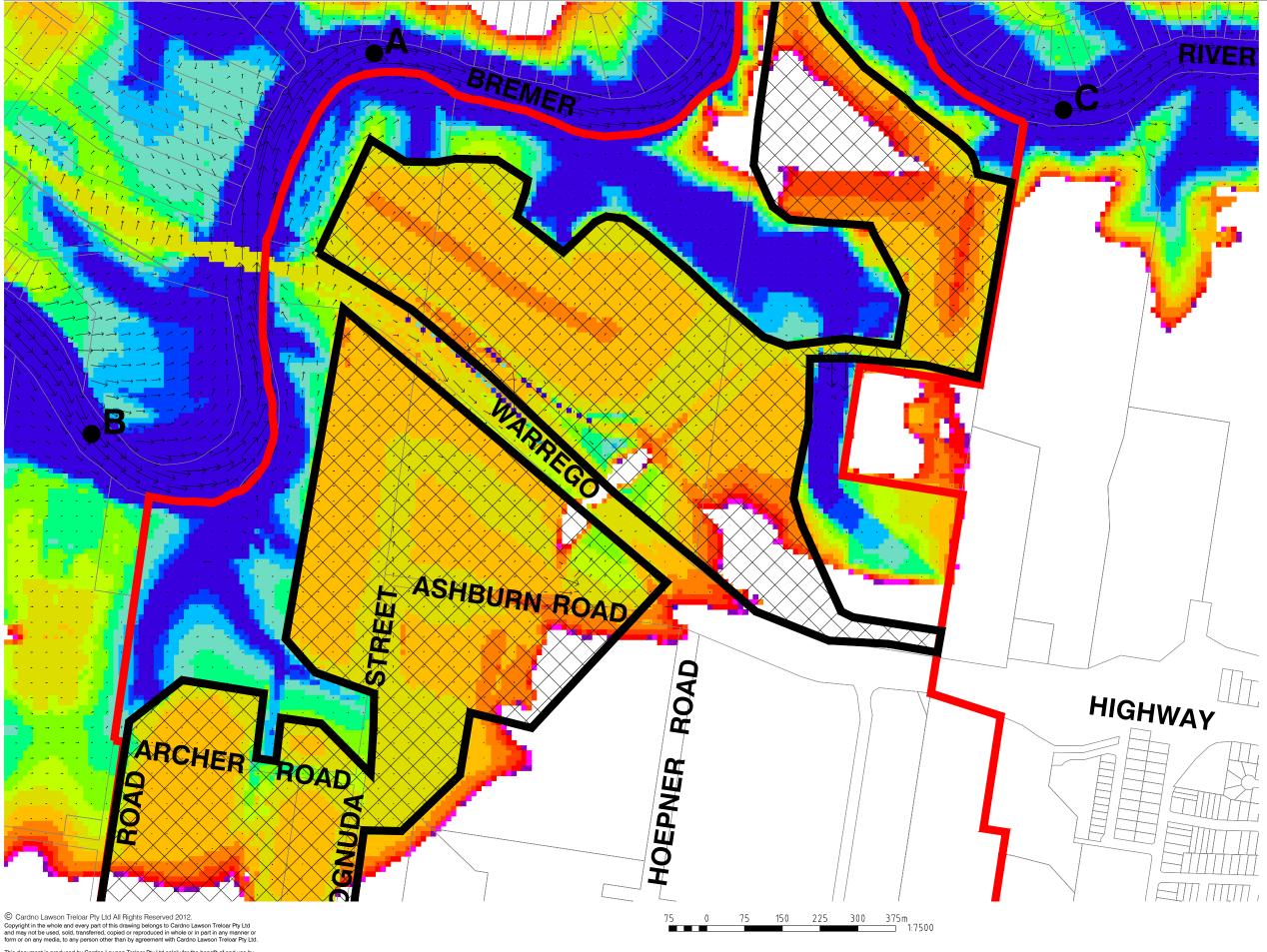
FIGURE C.7.1

Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:02pm

Scale 1:7500 (A3)

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Flooding Investigation - Masterplan (R3/v5)



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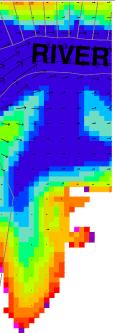
Rev: 0 Date: May 2012

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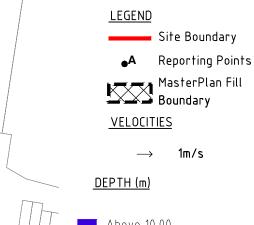
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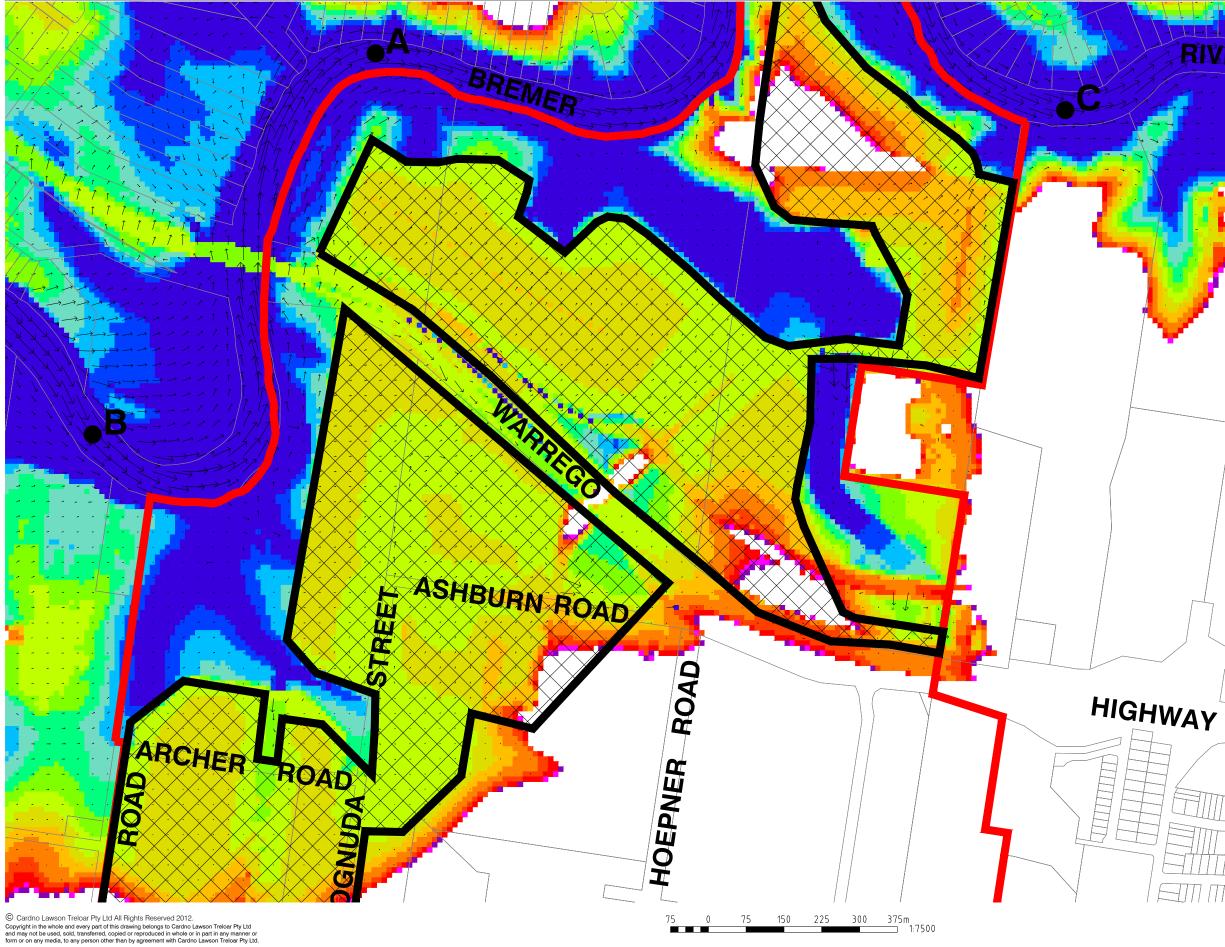


Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

FIGURE C.7.2 MASTERPLAN - DEPTH - SKM ULTIMATE 200 YEAR EVENT (Bris_D14a)

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Scale 1:7500 (A3)



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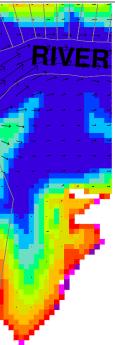
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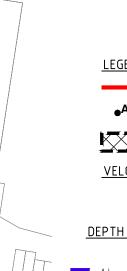
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 XRFF's: vref-Results: vr_Inswich_DFDR_MGA







<u>LEGEND</u>



Site Boundary Reporting Points MasterPlan Fill Boundary

> 1m/s \rightarrow

DEPTH (m)

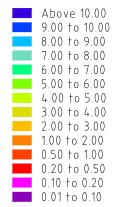


FIGURE C.7.3 MASTERPLAN - DEPTH - SKM ULTIMATE 500 YEAR EVENT (Bris_D14a)

Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:03pm

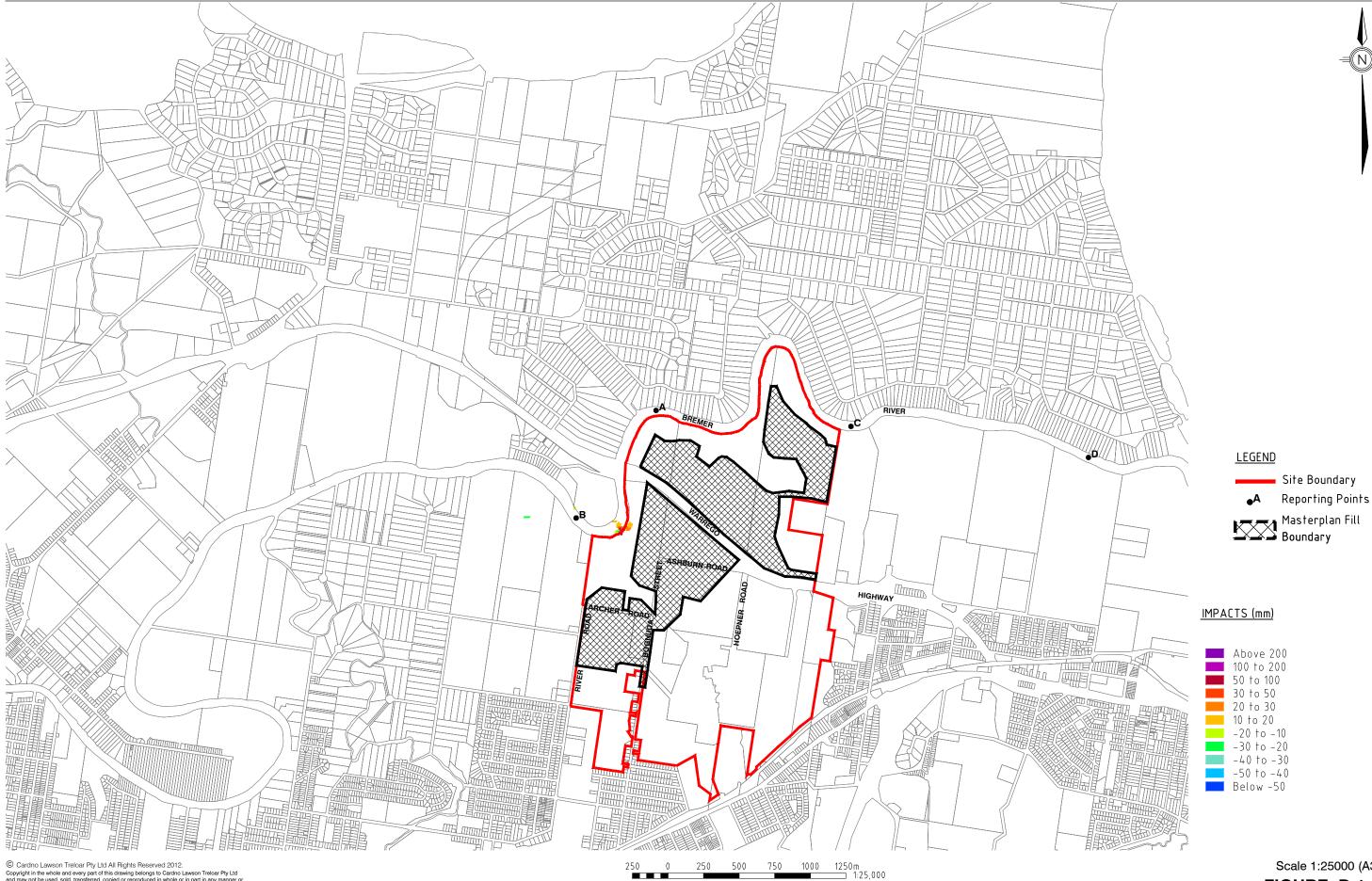
Scale 1:7500 (A3)



Appendix D.1

Brisbane River Flood SOBEK 2D Impact Plots -

Masterplan Ultimate Case vs Pre-Developed Base Case



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Flooding Investigation - Masterplan (R3/v5)

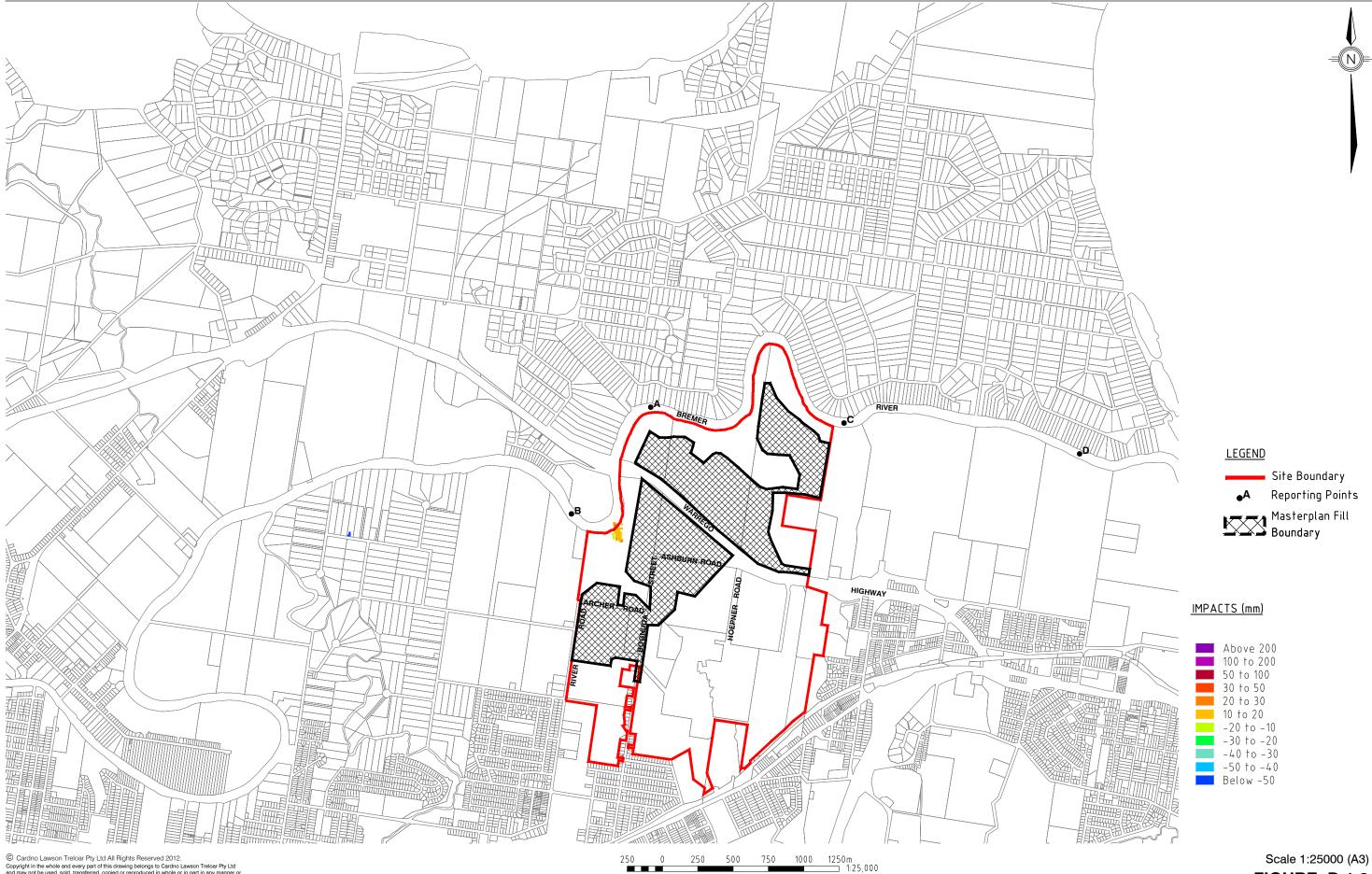
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MASTERPLAN - IMPACTS - SKM ULTIMATE 5 YEAR EVENT (Bris_D14 vs Bris_E08)



Scale 1:25000 (A3) FIGURE D.1.1

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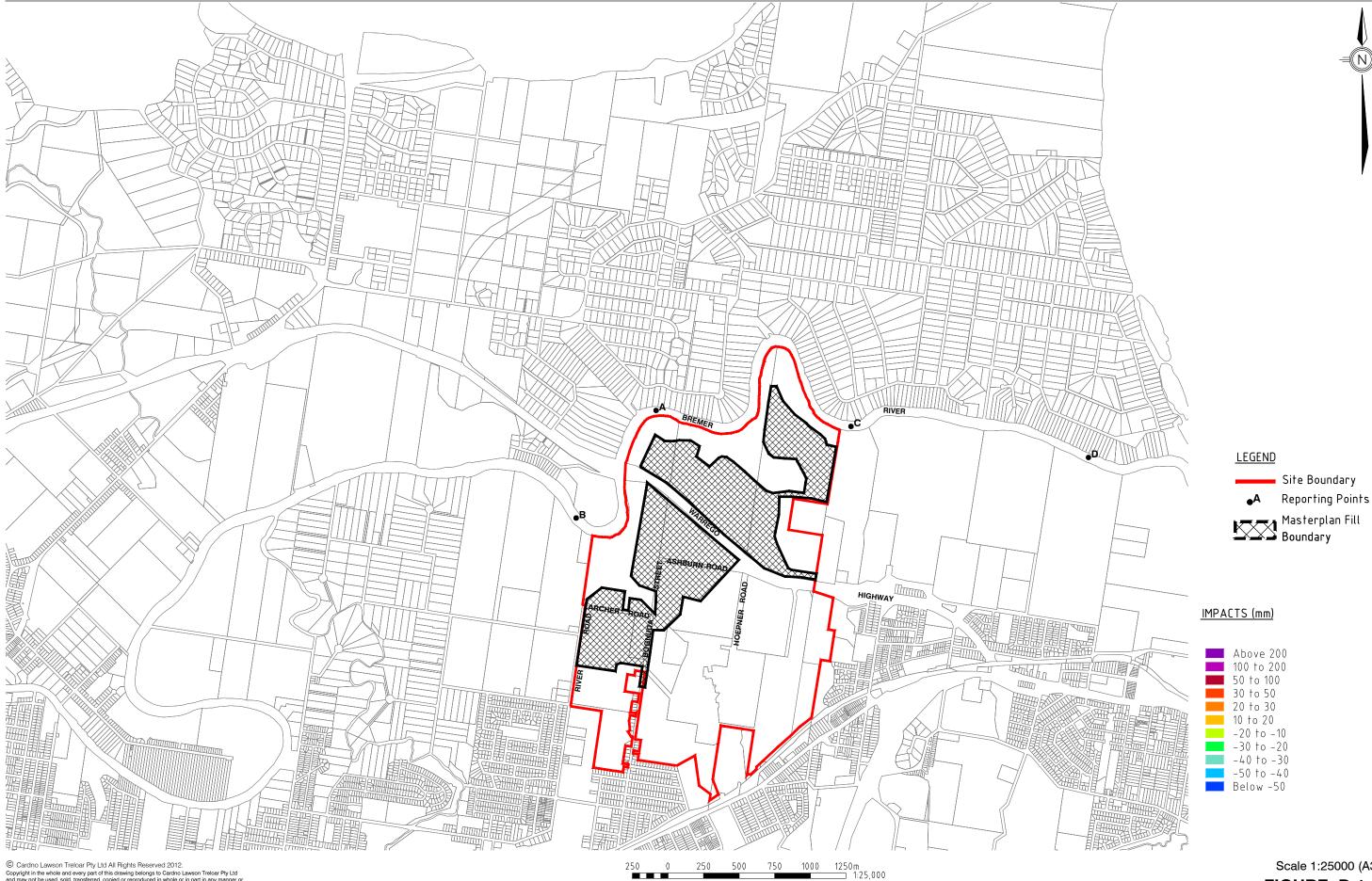
Flooding Investigation - Masterplan (R3/v5)

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FIGURE D.1.2 MASTERPLAN - IMPACTS - SKM ULTIMATE 10 YEAR EVENT (Bris_D14 vs Bris_E08)

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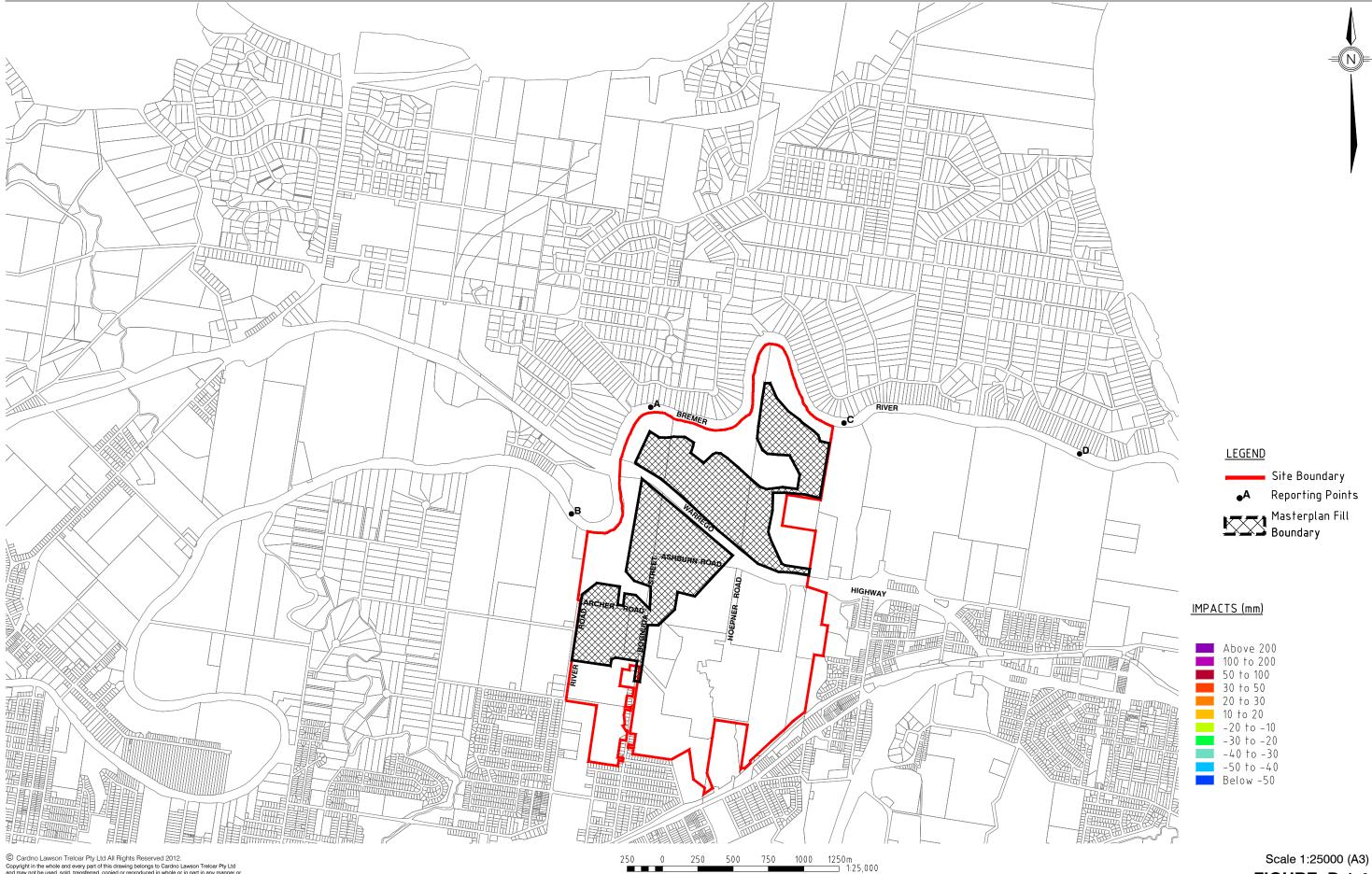
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MASTERPLAN - IMPACTS - SKM ULTIMATE 20 YEAR EVENT (Bris_D14 vs Bris_E08)



Scale 1:25000 (A3) FIGURE D.1.3

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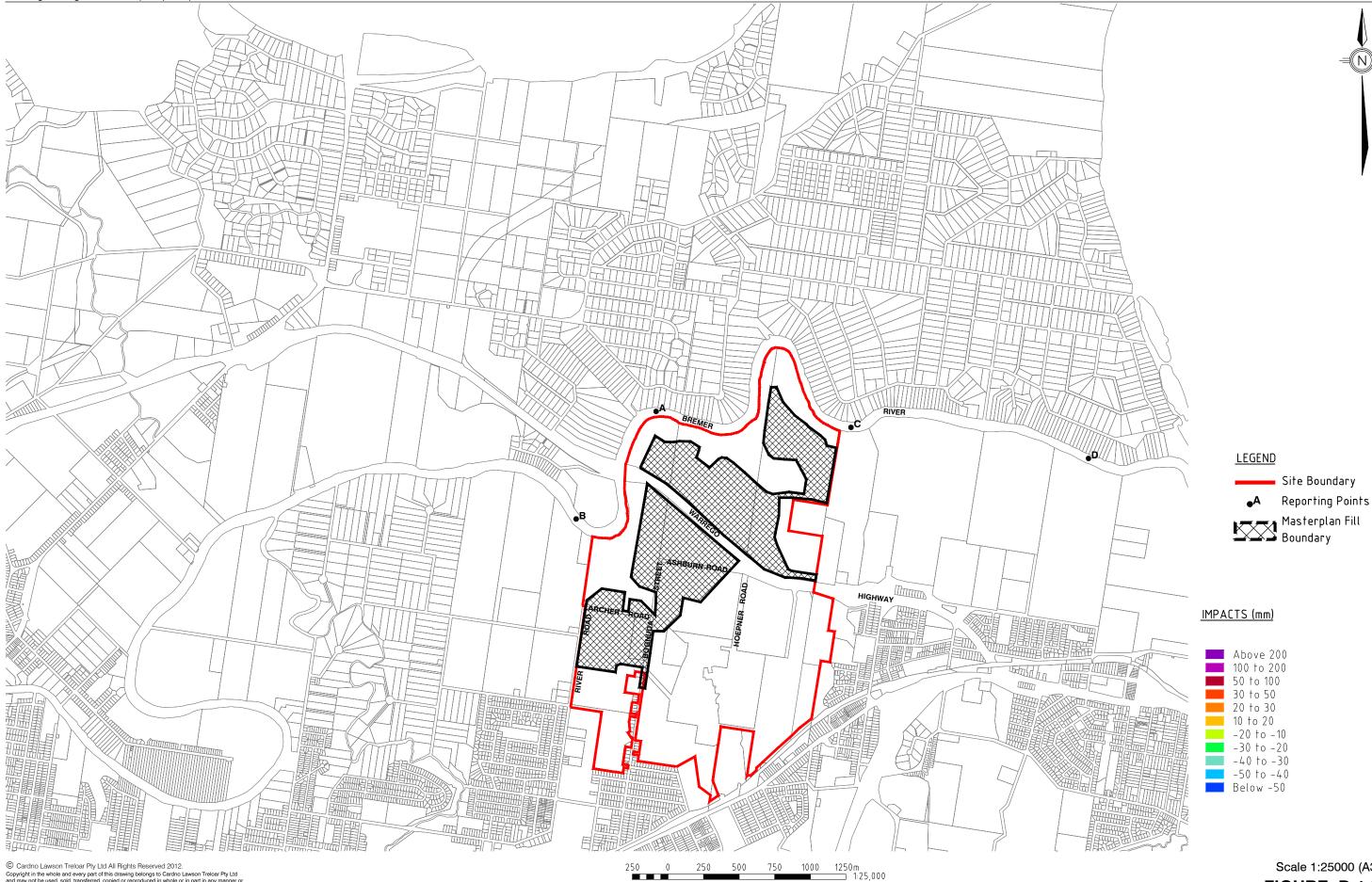
Flooding Investigation - Masterplan (R3/v5)

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FIGURE D.1.4 MASTERPLAN - IMPACTS - SKM ULTIMATE 50 YEAR EVENT (Bris_D14 vs Bris_E08)

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Flooding Investigation - Masterplan (R3/v5)

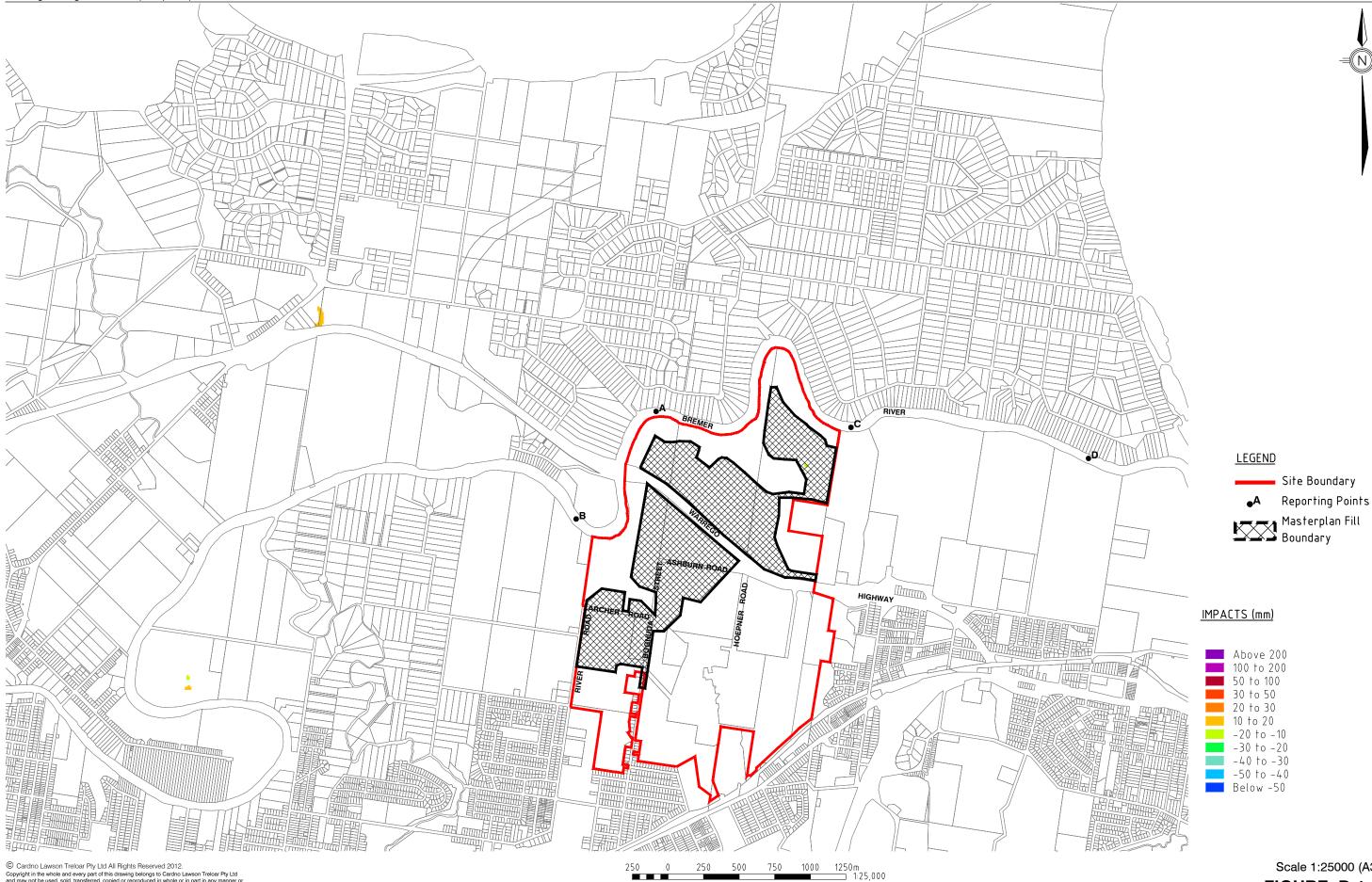
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MASTERPLAN - IMPACTS - SKM ULTIMATE 100 YEAR EVENT (Bris_D14a vs Bris_E08a)



Scale 1:25000 (A3) FIGURE D.1.5

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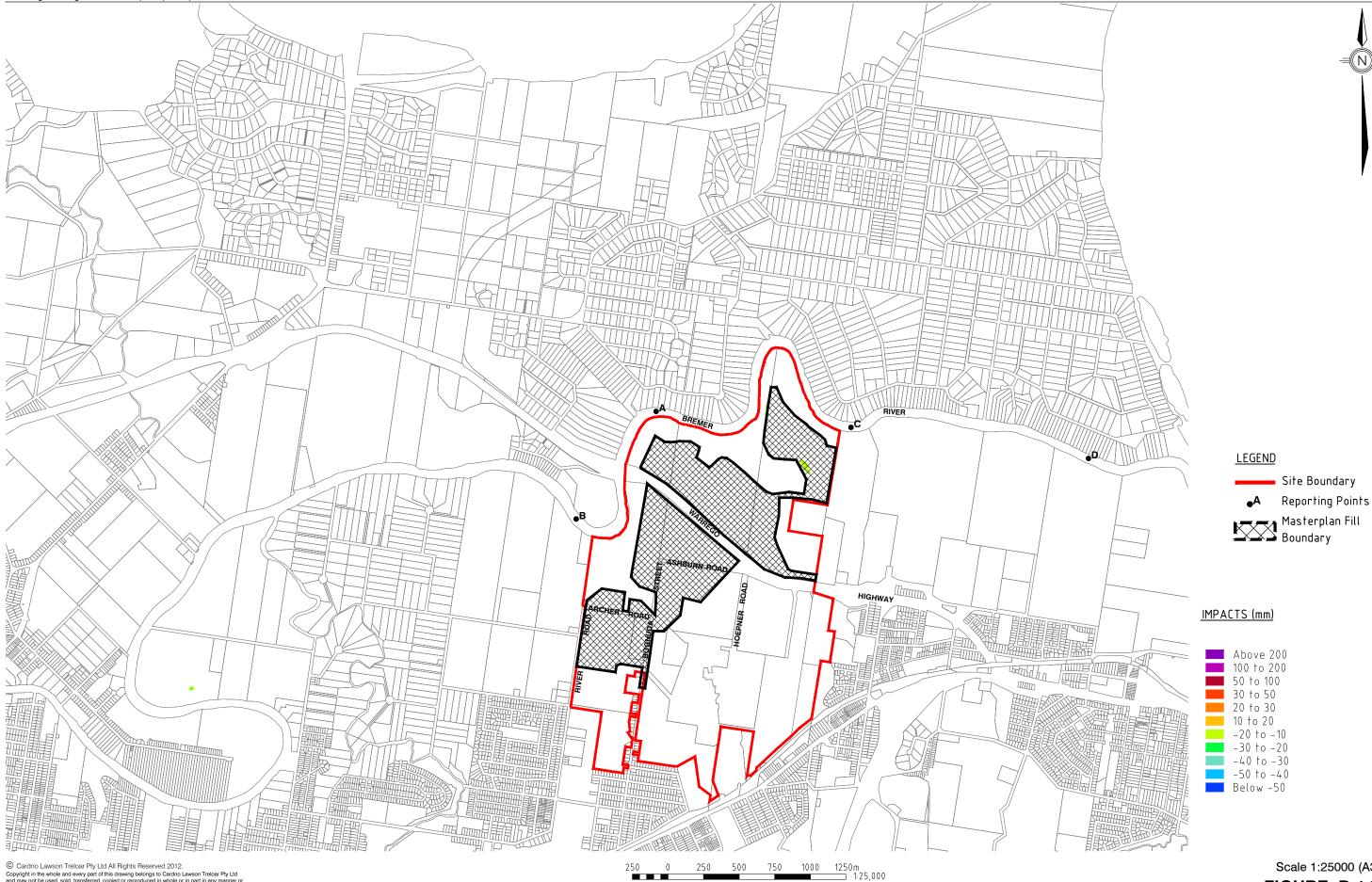
Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: D:\LJ8714\FiguresR3v5_+A1_Masterplan_Flooding\Appendices\App C,D\Figure_RFI 13AUG12 R3v5_D14a_Bris.dvg XRFF's: vrof-Results: vr-Inswich_DCDR_MGA



Scale 1:25000 (A3) FIGURE D.1.6 MASTERPLAN - IMPACTS - SKM ULTIMATE 200 YEAR EVENT (Bris_D14a vs Bris_E08a)

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Flooding Investigation - Masterplan (R3/v5)

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Scale 1:25000 (A3) FIGURE D.1.7 MASTERPLAN - IMPACTS - SKM ULTIMATE 500 YEAR EVENT (Bris_D14a vs Bris_E08a)

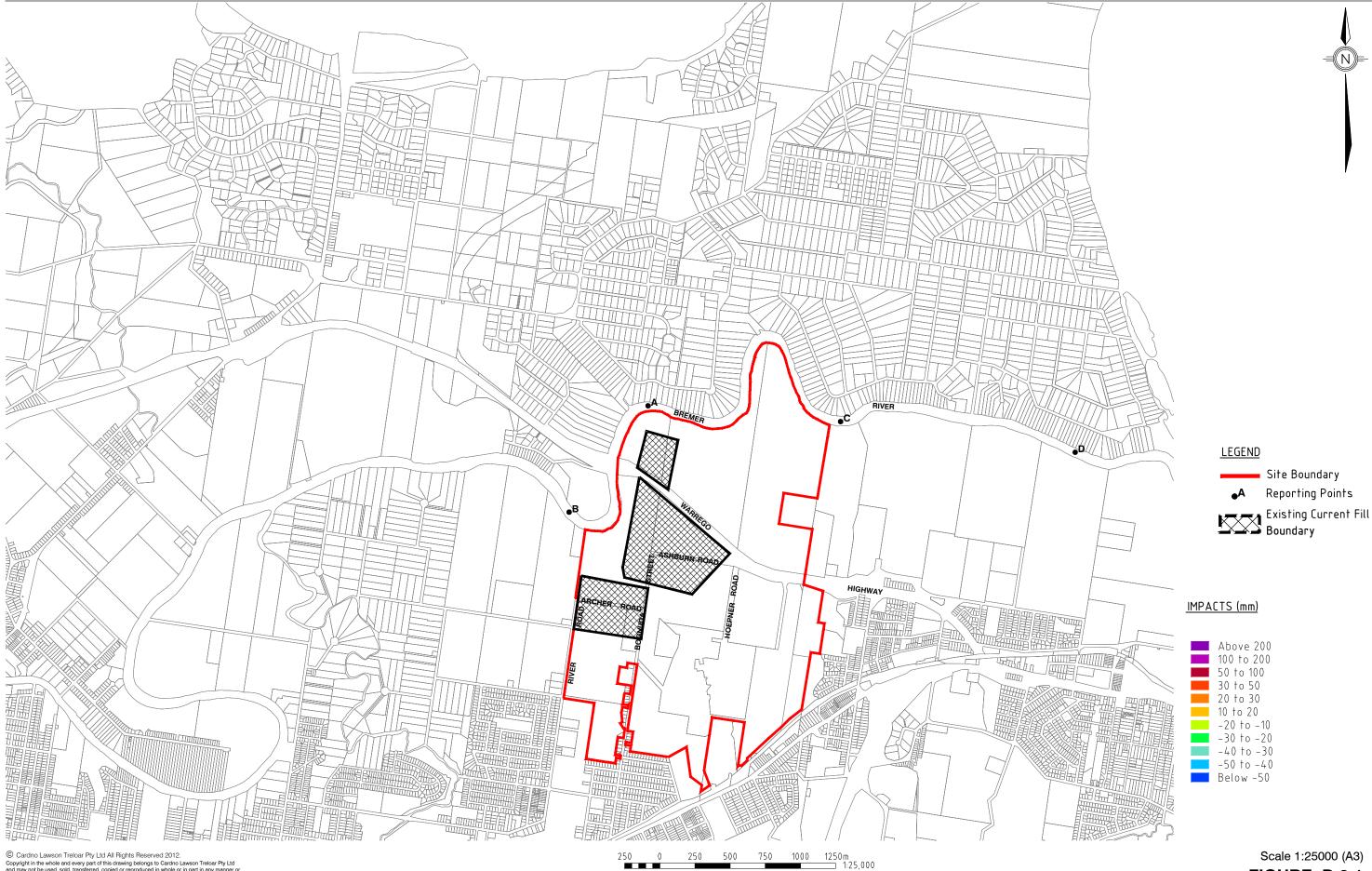
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Appendix D.2

Brisbane River Flood SOBEK 2D Impact Plots - Existing

Current Case vs Pre-Developed Base Case



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Flooding Investigation - Masterplan (R3/v4)

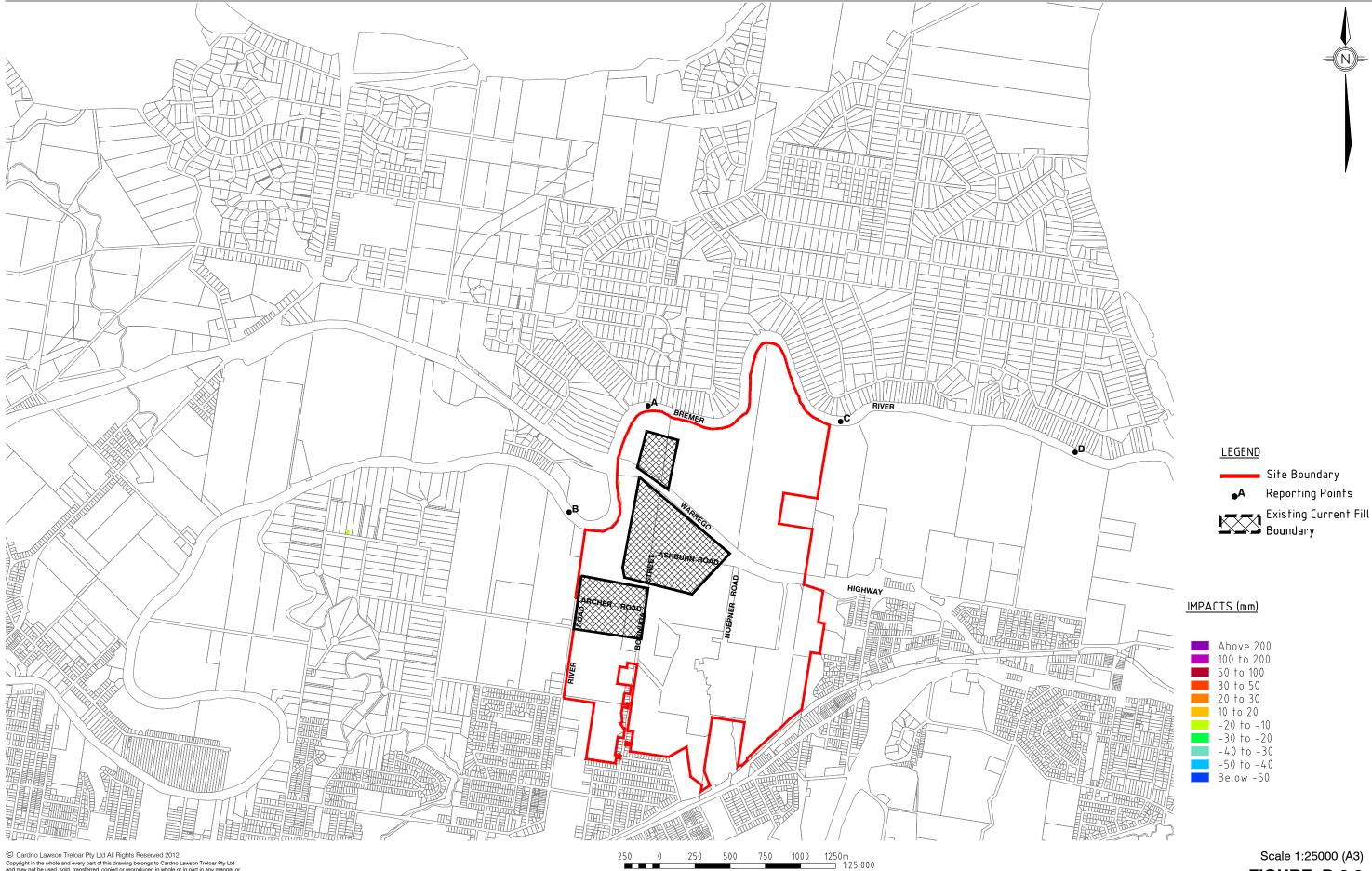
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EXISTING CURRENT - IMPACTS - SKM ULTIMATE 5 YEAR EVENT (Bris_E08c vs Bris_E08)



Scale 1:25000 (A3) FIGURE D.2.1

> Project No.: LJ8714 PRINT DATE: 17 April, 2012 - 2:15pm



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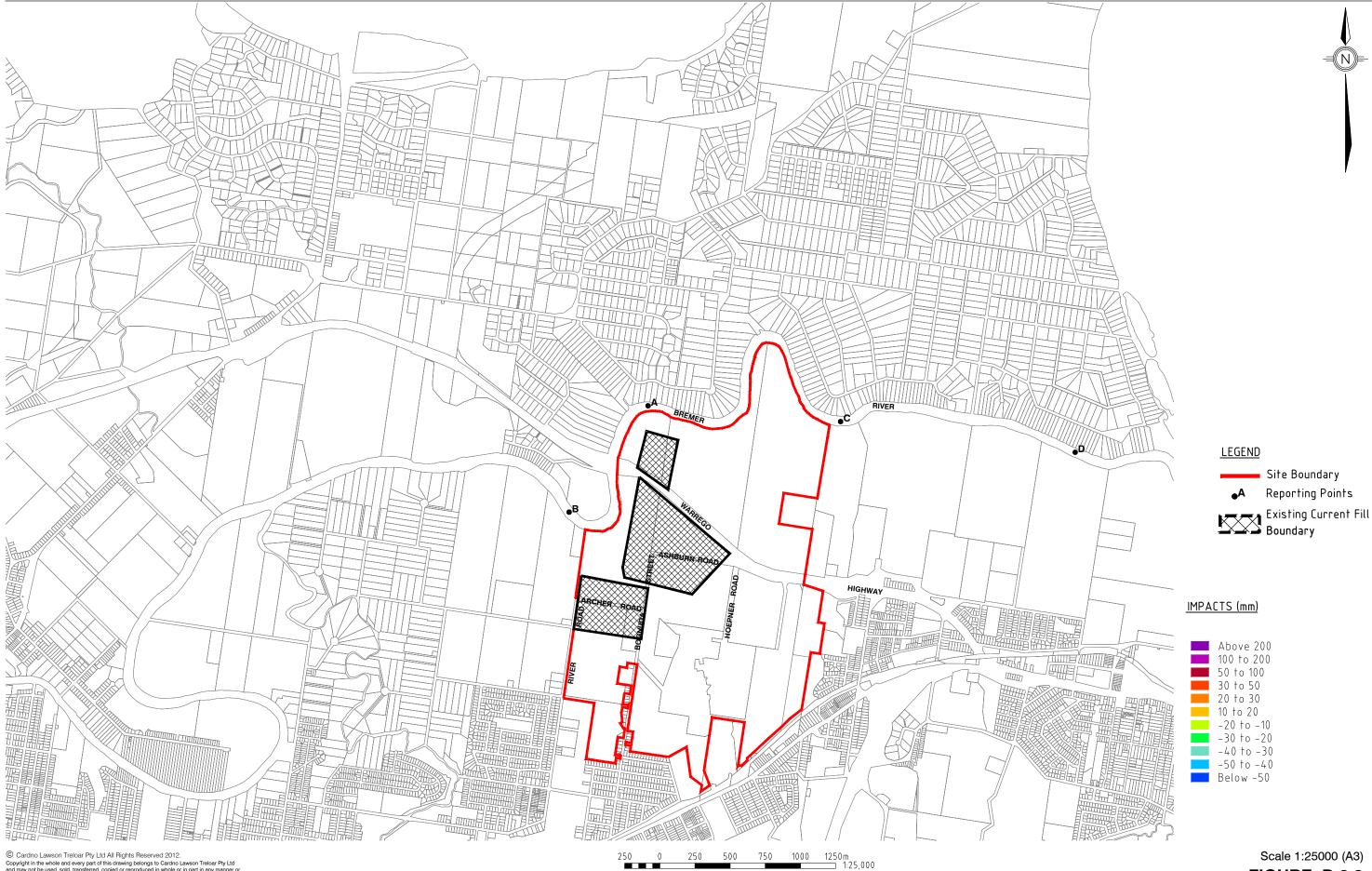
Flooding Investigation - Masterplan (R3/v4)

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FIGURE D.2.2 EXISTING CURRENT - IMPACTS - SKM ULTIMATE 10 YEAR EVENT (Bris_E08c vs Bris_E08)

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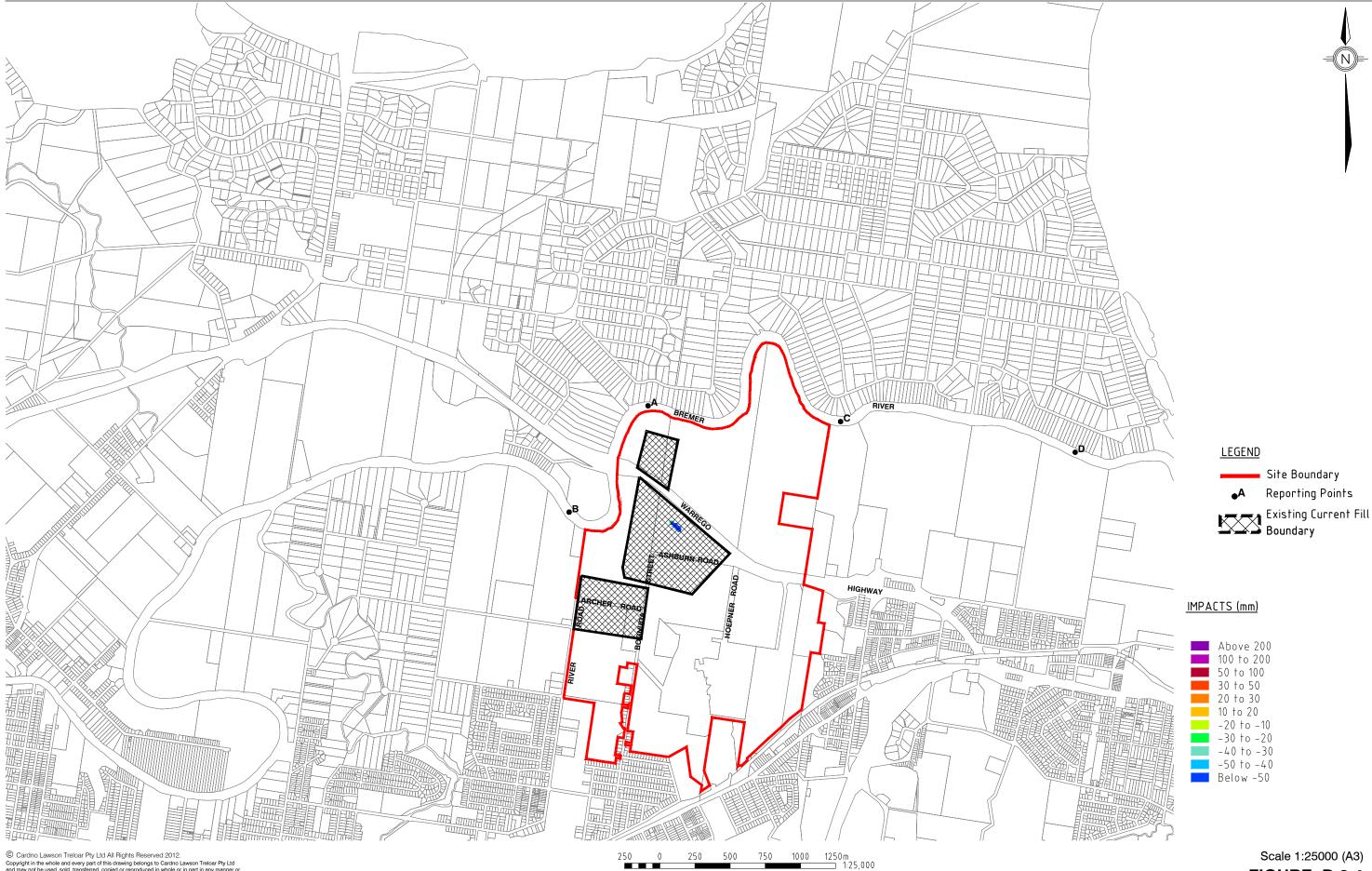
Flooding Investigation - Masterplan (R3/v4)

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Scale 1:25000 (A3) FIGURE D.2.3 EXISTING CURRENT - IMPACTS - SKM ULTIMATE 20 YEAR EVENT (Bris_E08c vs Bris_E08)

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Citiswich

Flooding Investigation - Masterplan (R3/v4)

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Scale 1:25000 (A3) FIGURE D.2.4 EXISTING CURRENT - IMPACTS - SKM ULTIMATE 50 YEAR EVENT (Bris_E08c vs Bris_E08)

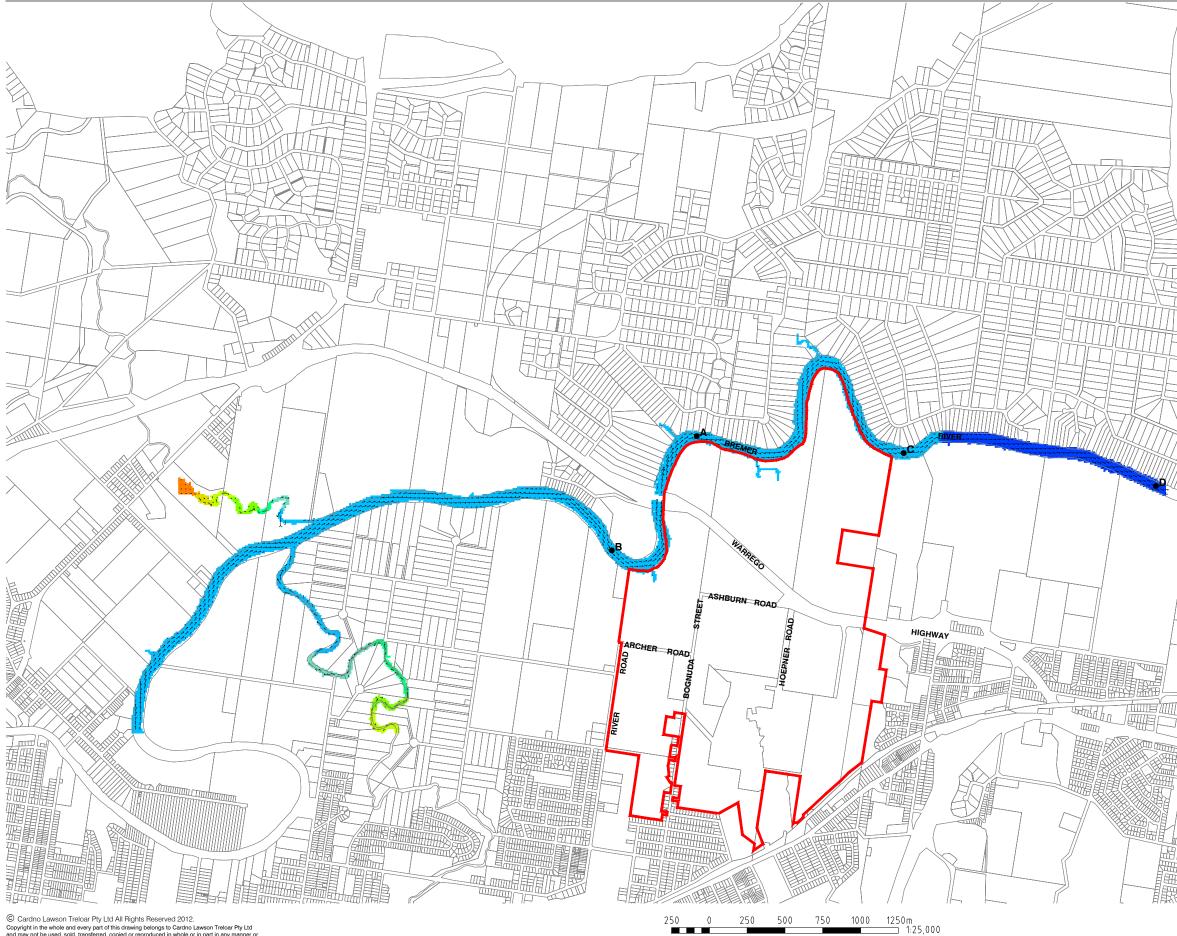
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Appendix E.1

Bremer River Flood SOBEK 2D Pre-Developed Base

Case Results – Water Surface Level



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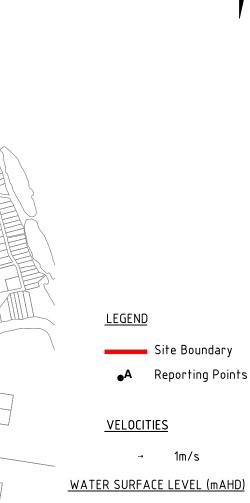
Rev: 0 Date: May 2012

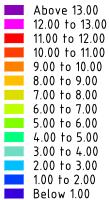
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BASE CASE - WATER SURFACE LEVELS - SKM ULTIMATE 2 YEAR EVENT (Brem_E08)

Citiswich Flooding Investigation - Masterplan (R3/v5)





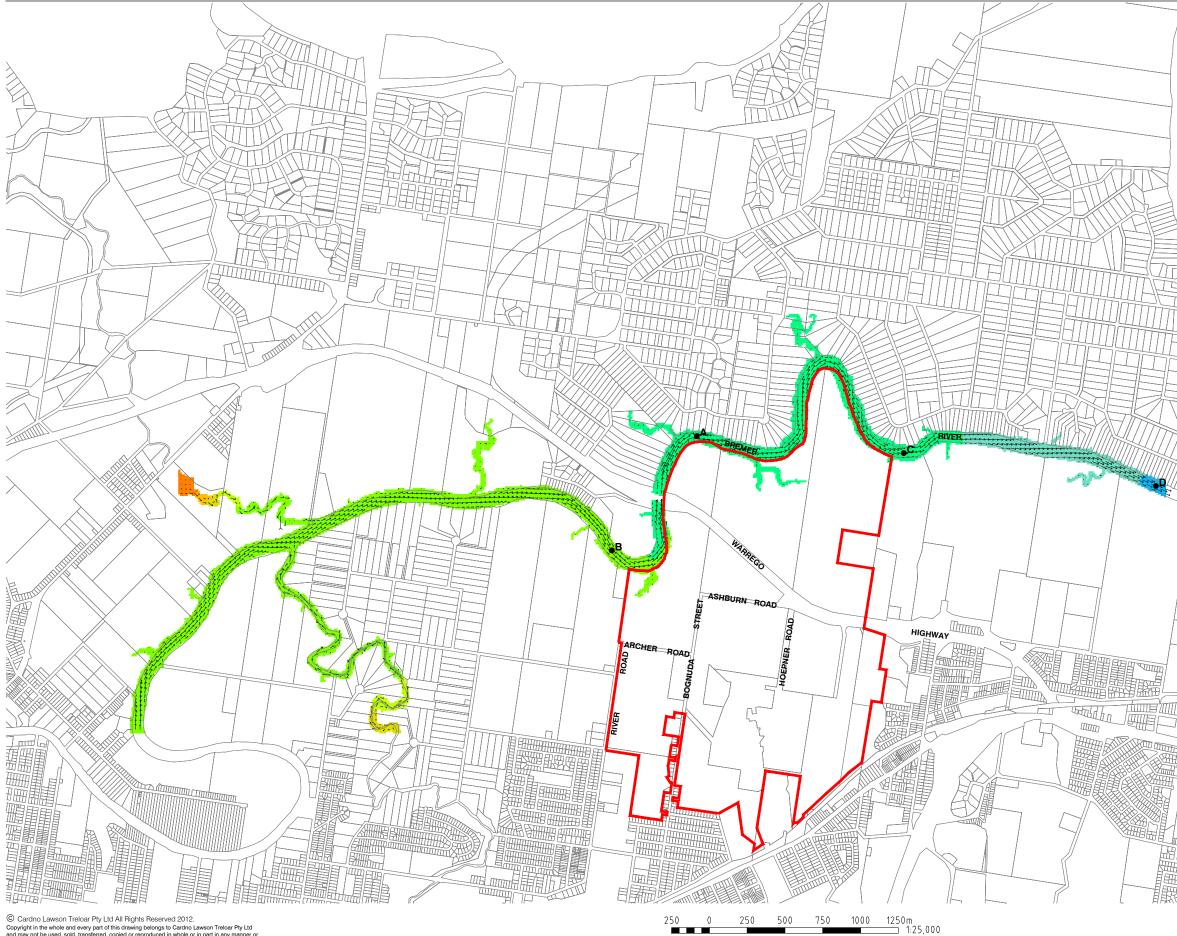


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Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:18pm

Scale 1:25000 (A3)



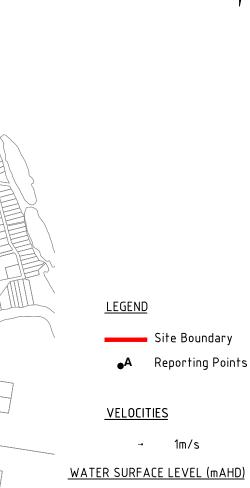
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Rev: 0 Date: May 2012

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BASE CASE - WATER SURFACE LEVELS - SKM ULTIMATE 5 YEAR EVENT (Brem_E08)





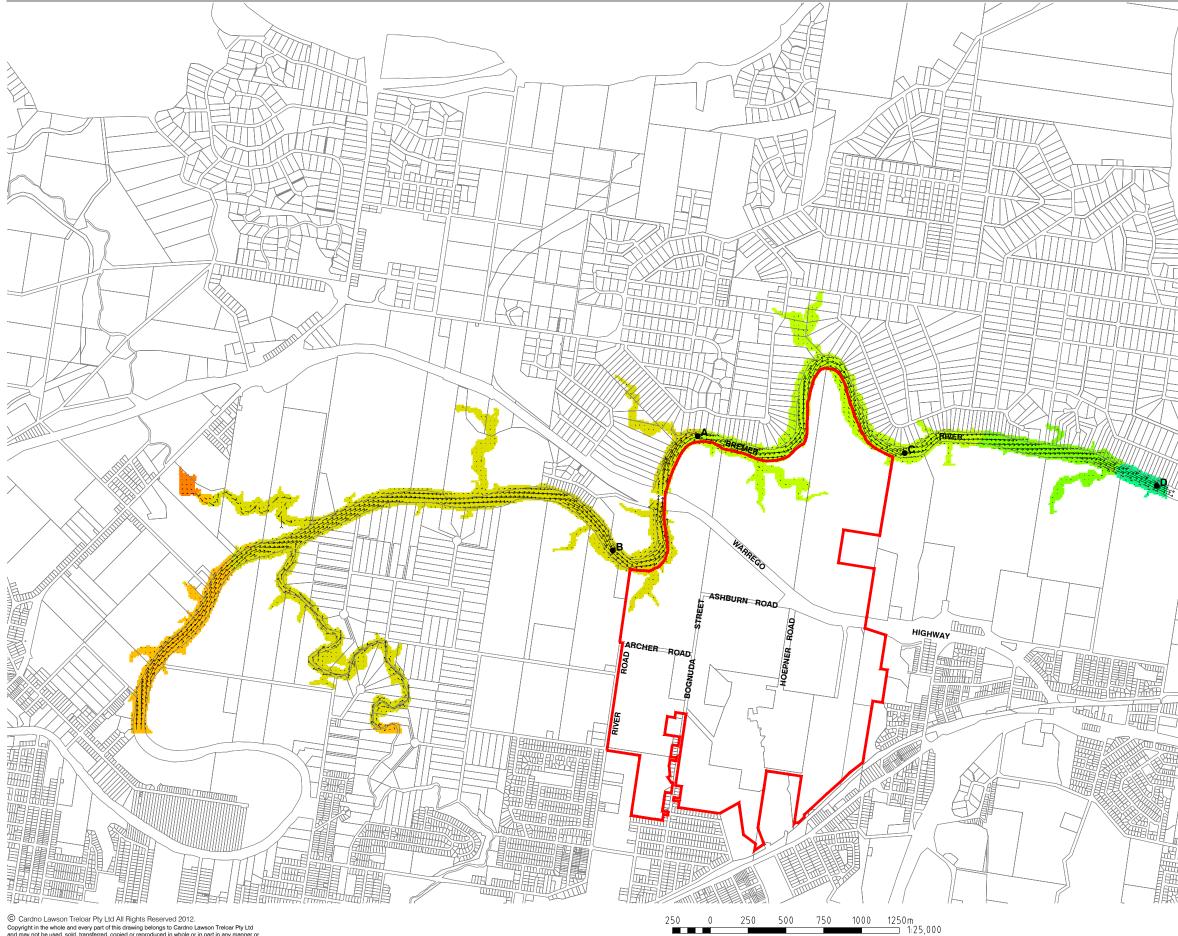
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Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:19pm

Scale 1:25000 (A3)



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Rev: 0 Date: May 2012

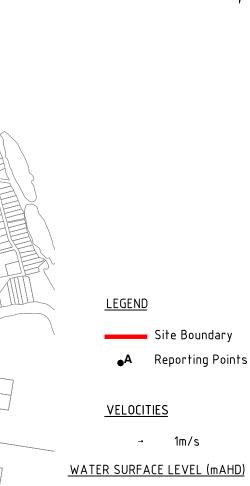
Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA

BASE CASE - WATER SURFACE LEVELS - SKM ULTIMATE 10 YEAR EVENT (Brem_E08)





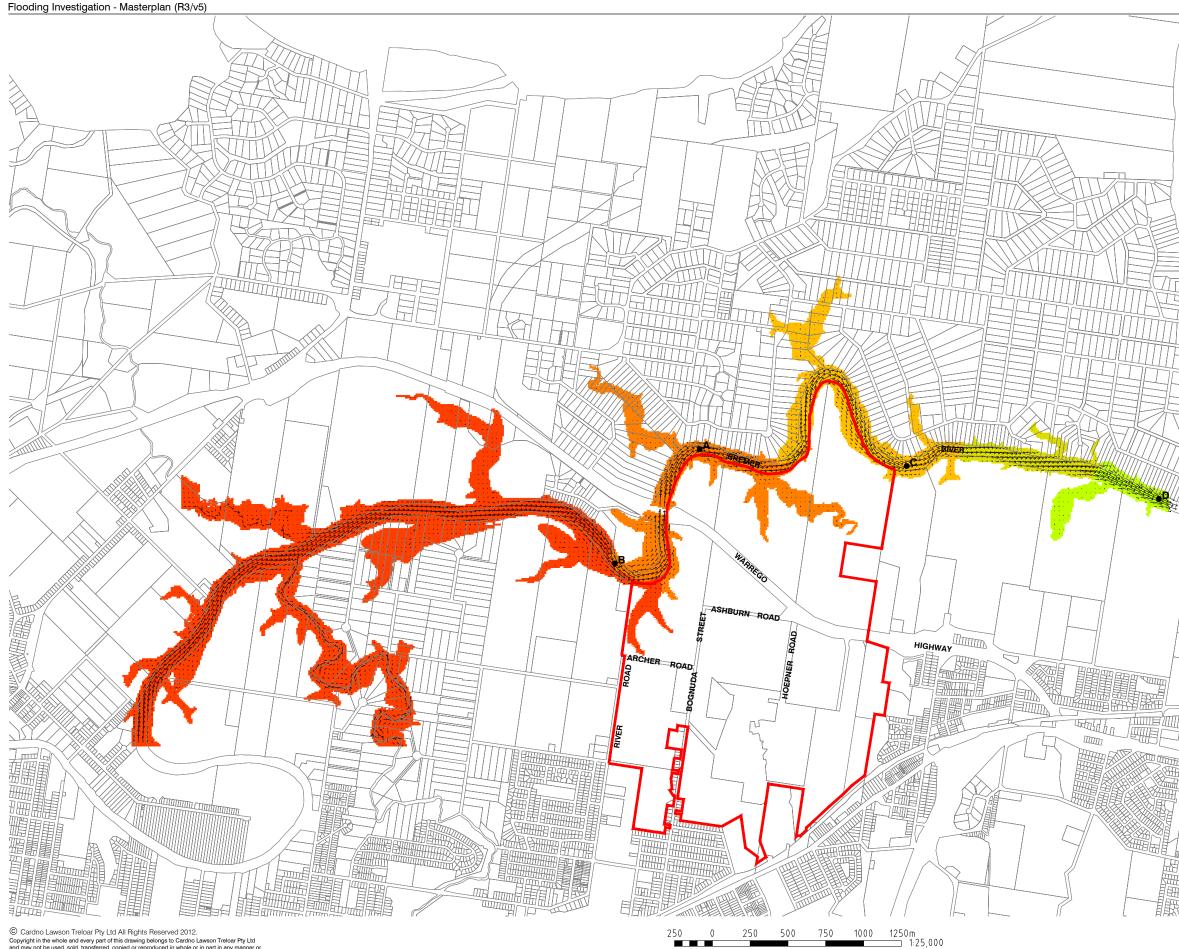
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Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:19pm

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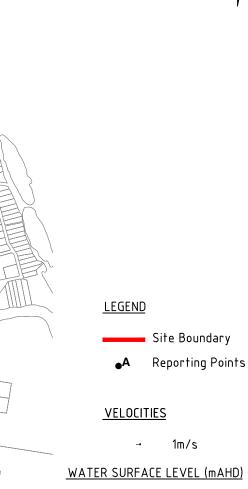
Citiswich

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BASE CASE - WATER SURFACE LEVELS - SKM ULTIMATE 20 YEAR EVENT (Brem_E08)

0





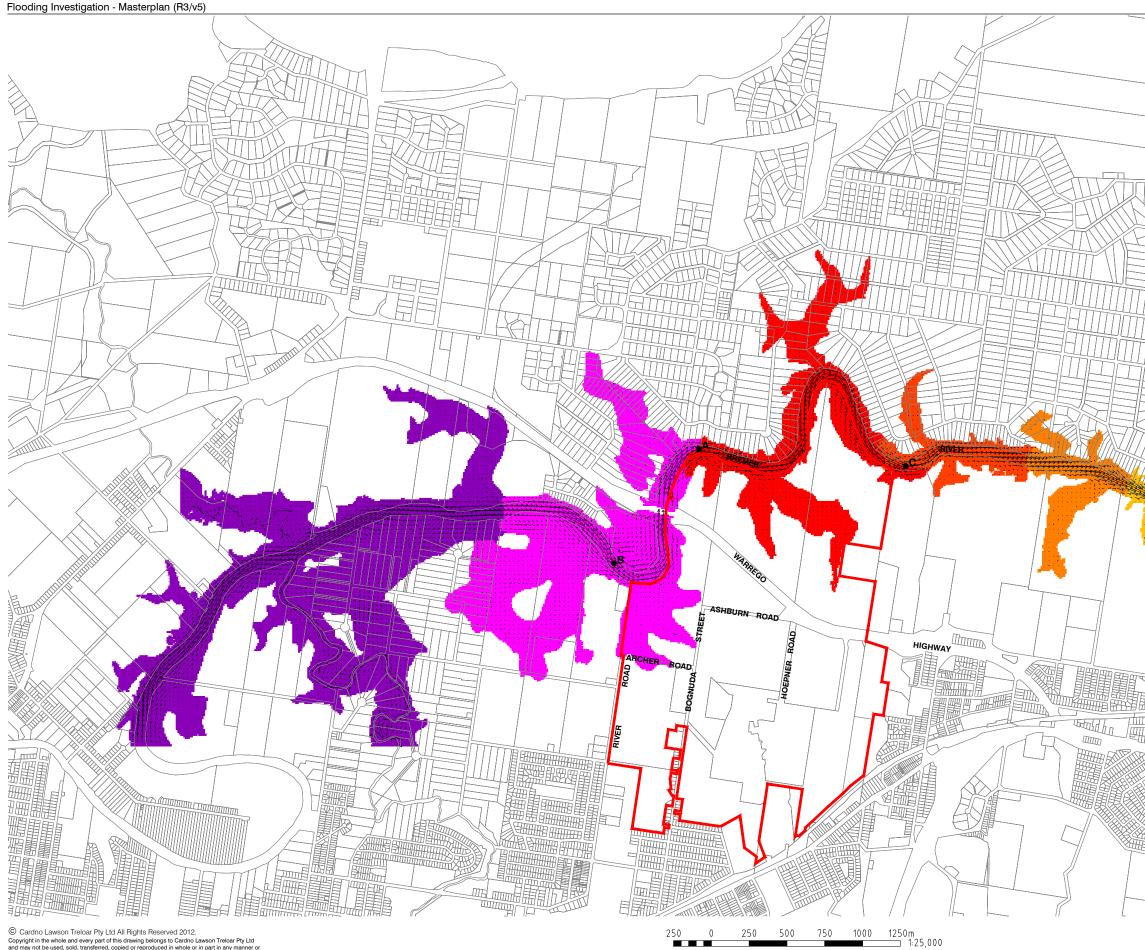
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Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:20pm

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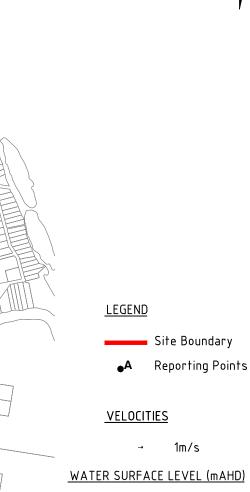
Rev: 0 Date: May 2012

Citiswich

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BASE CASE - WATER SURFACE LEVELS - SKM ULTIMATE 50 YEAR EVENT (Brem_E08)



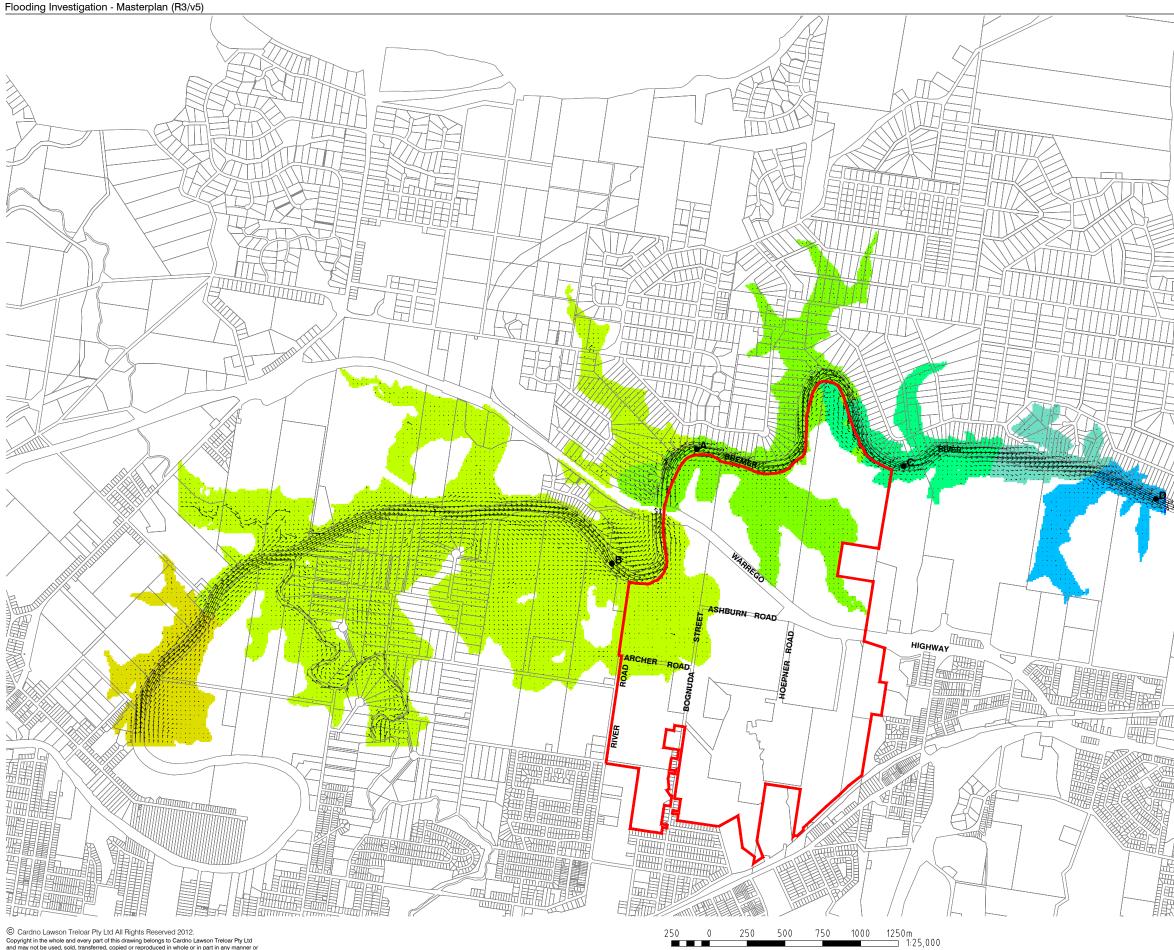


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Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:20pm

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Rev: 0 Date: April 2012

Citiswich

 Walker Corporation Pty Ltd

 CAD FILE: 0.\.JB714\Figures\R3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08a_Brem.dwg

 XRFF's: vrof-Results: vr-Inswirb_DEDR_MGA

BASE CASE - WATER SURFACE LEVELS - SKM ULTIMATE 100 YEAR EVENT (Brem_E08a)





VELOCITIES

→

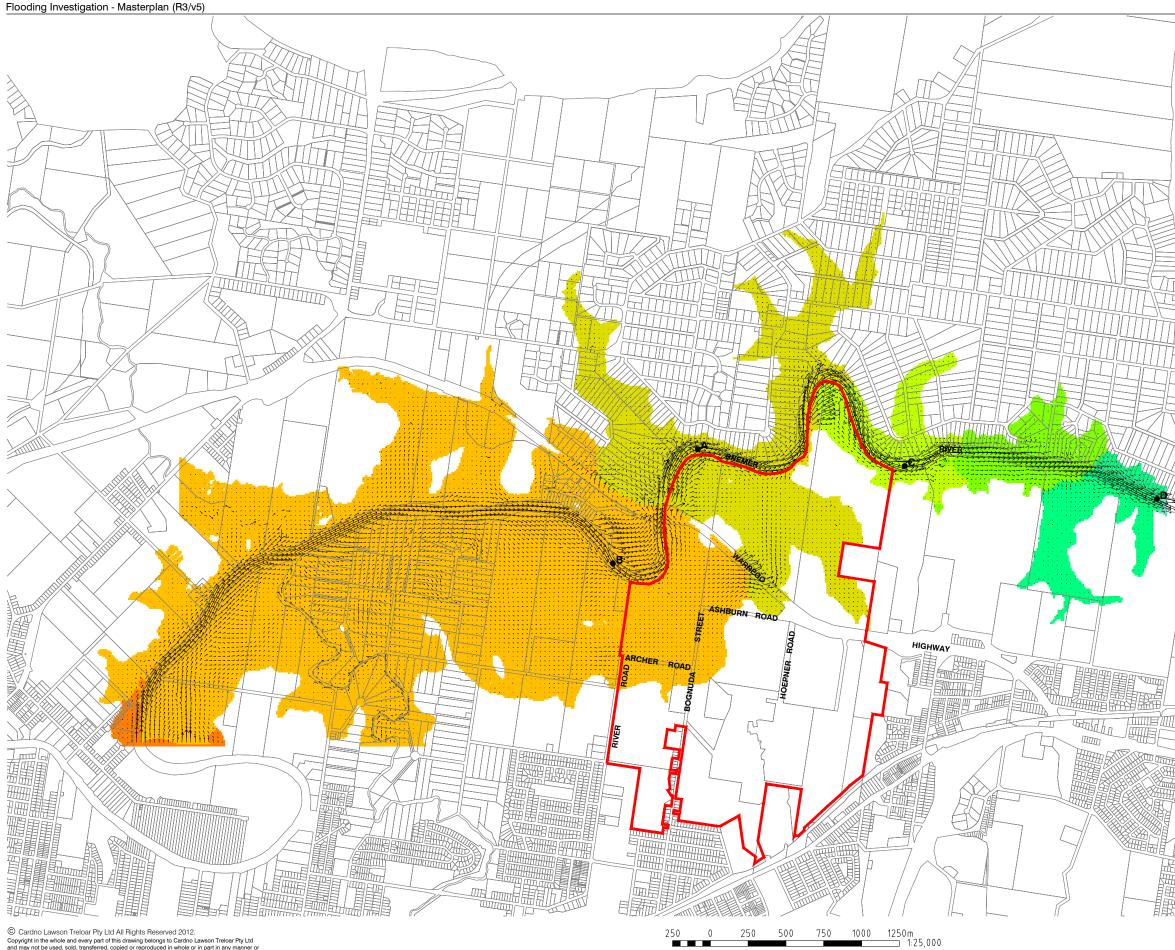
1m/s

WATER SURFACE LEVEL (mAHD)

Above 21.00
ADOVE ZI.VV
20.00 to 21.00
19.00 to 20.00
18.00 to 19.00
17.00 to 18.00
16.00 to 17.00
15.00 to 16.00
14.00 to 15.00
13.00 to 14.00
12.00 to 13.00
11.00 to 12.00
10.00 to 11.00
9.00 to 10.00
Below 9.00

Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:18pm

Scale 1:25000 (A3)



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Rev: 0 Date: April 2012

Citiswich

 Walker Corporation Pty Ltd

 CAD FILE: 0.\.JB714\Figures\R3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08a_Brem.dwg

 XRFF's: vrof-Results: vr-Inswirb_DEDR_MGA

BASE CASE - WATER SURFACE LEVELS - SKM ULTIMATE 200 YEAR EVENT (Brem_E08a)





VELOCITIES

→

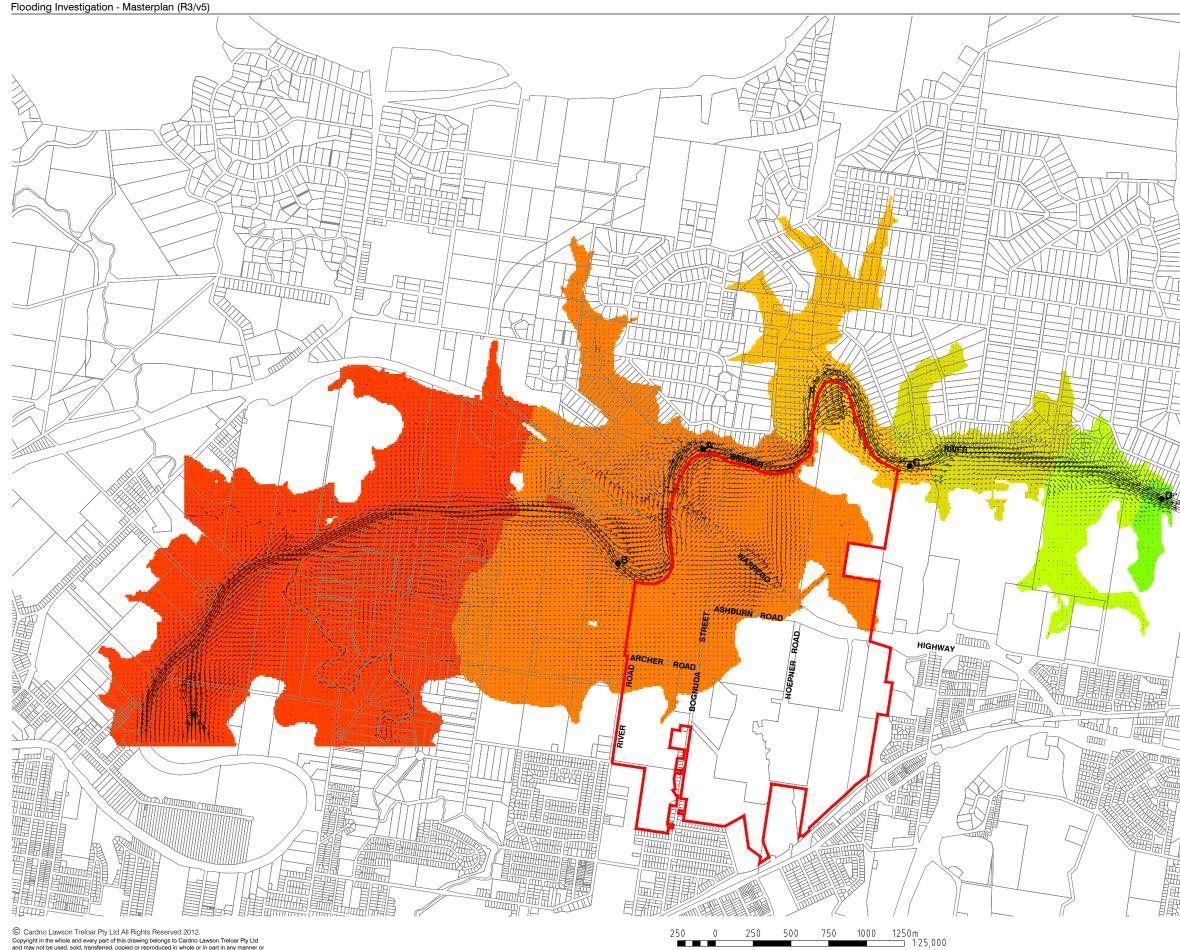
1m/s

WATER SURFACE LEVEL (mAHD)

Above 21.00
20.00 to 21.00
19.00 to 20.00
18.00 to 19.00
17.00 to 18.00
16.00 to 17.00
15.00 to 16.00
14.00 to 15.00
13.00 to 14.00
12.00 to 13.00
11.00 to 12.00
10.00 to 11.00
9.00 to 10.00
Below 9.00

Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:18pm

Scale 1:25000 (A3)



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Rev: 0 Date: April 2012

Citiswich

 Walker Corporation Pty Ltd

 CAD FILE: 0.\.JB714\Figures\R3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08a_Brem.dwg

 XRFF's: vrof-Results: vr-Inswirb_DEDR_MGA

BASE CASE - WATER SURFACE LEVELS - SKM ULTIMATE 500 YEAR EVENT (Brem_E08a)

0





Reporting Points

VELOCITIES

→

1m/s

WATER SURFACE LEVEL (mAHD)

Above 21.00
20.00 to 21.00
19.00 to 20.00
18.00 to 19.00
17.00 to 18.00
16.00 to 17.00
15.00 to 16.00
14.00 to 15.00
13.00 to 14.00
12.00 to 13.00
11.00 to 12.00
10.00 to 11.00
9.00 to 10.00
Below 9.00

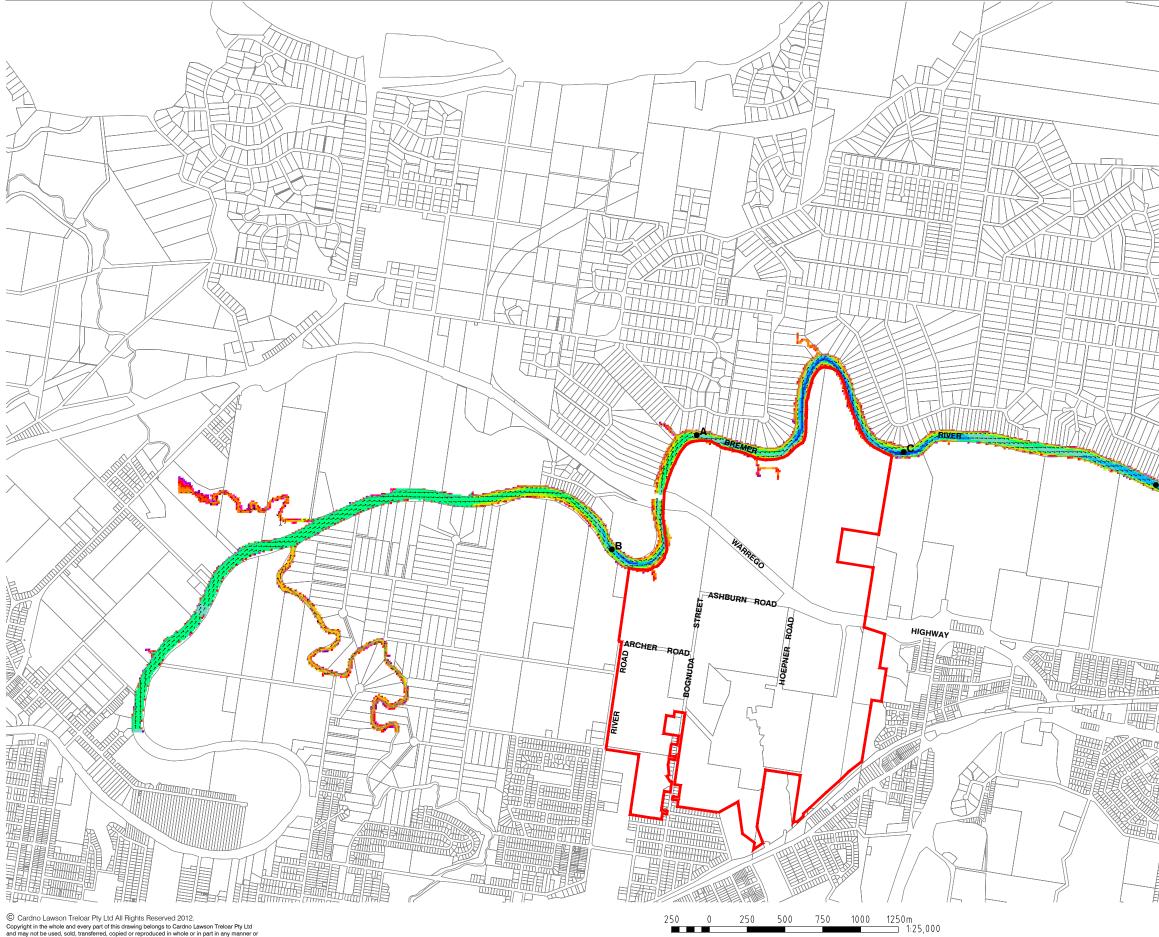
Scale 1:25000 (A3)



Appendix E.2

Bremer River Flood SOBEK 2D Pre-Developed Base

Case Results – Depth



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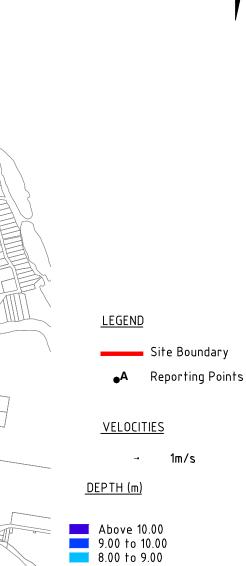
Citiswich

Flooding Investigation - Masterplan (R3/v5)

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BASE CASE - DEPTH - SKM ULTIMATE 2 YEAR EVENT (Brem_E08)



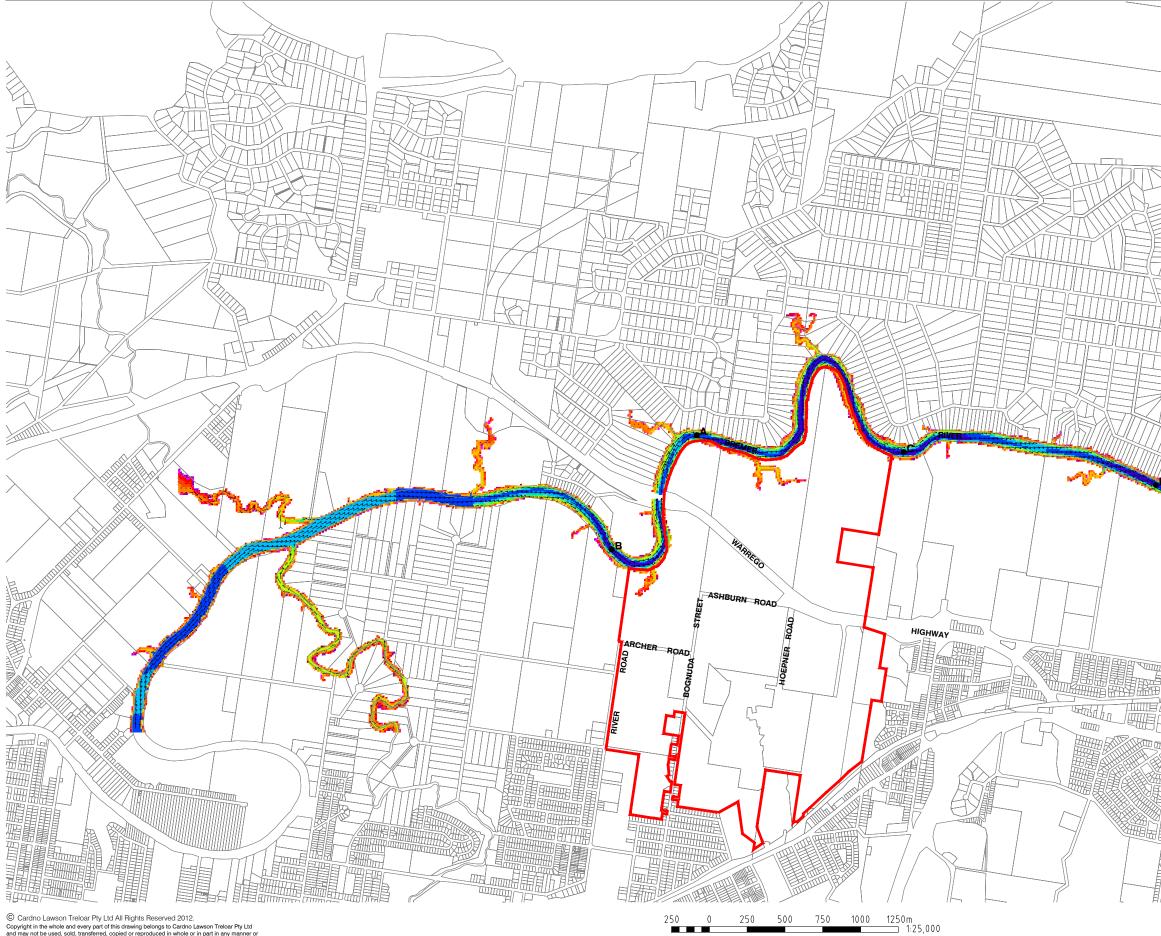


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> Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:21pm

Scale 1:25000 (A3)



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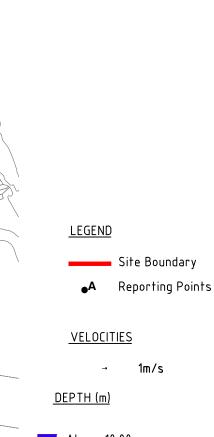
Citiswich

Flooding Investigation - Masterplan (R3/v5)

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BASE CASE - DEPTH - SKM ULTIMATE 5 YEAR EVENT (Brem_E08)

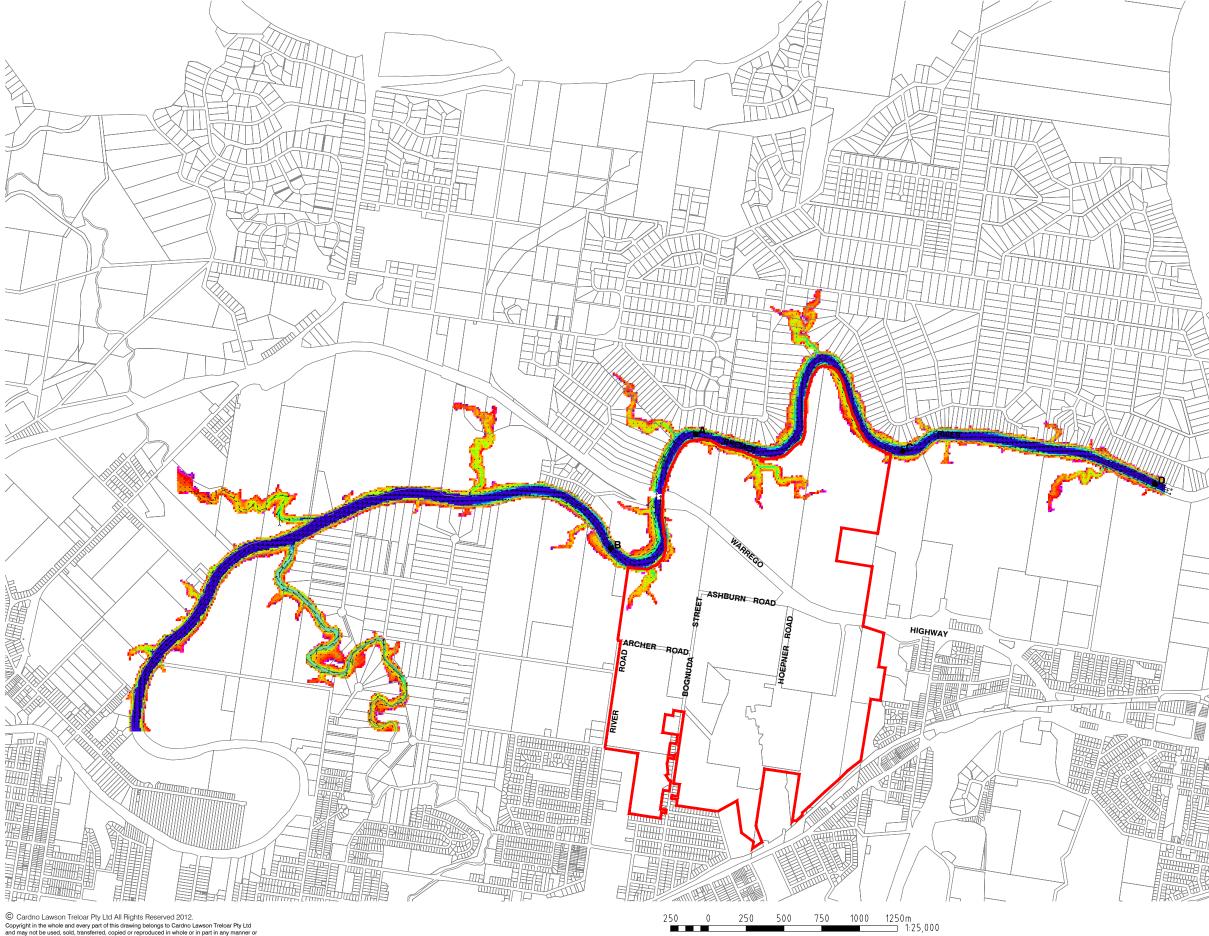






Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

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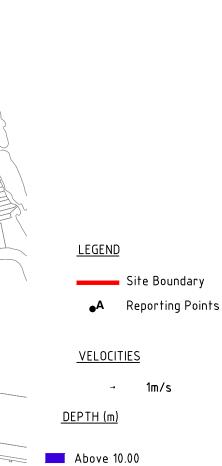
Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA

BASE CASE - DEPTH - SKM ULTIMATE 10 YEAR EVENT (Brem_E08)



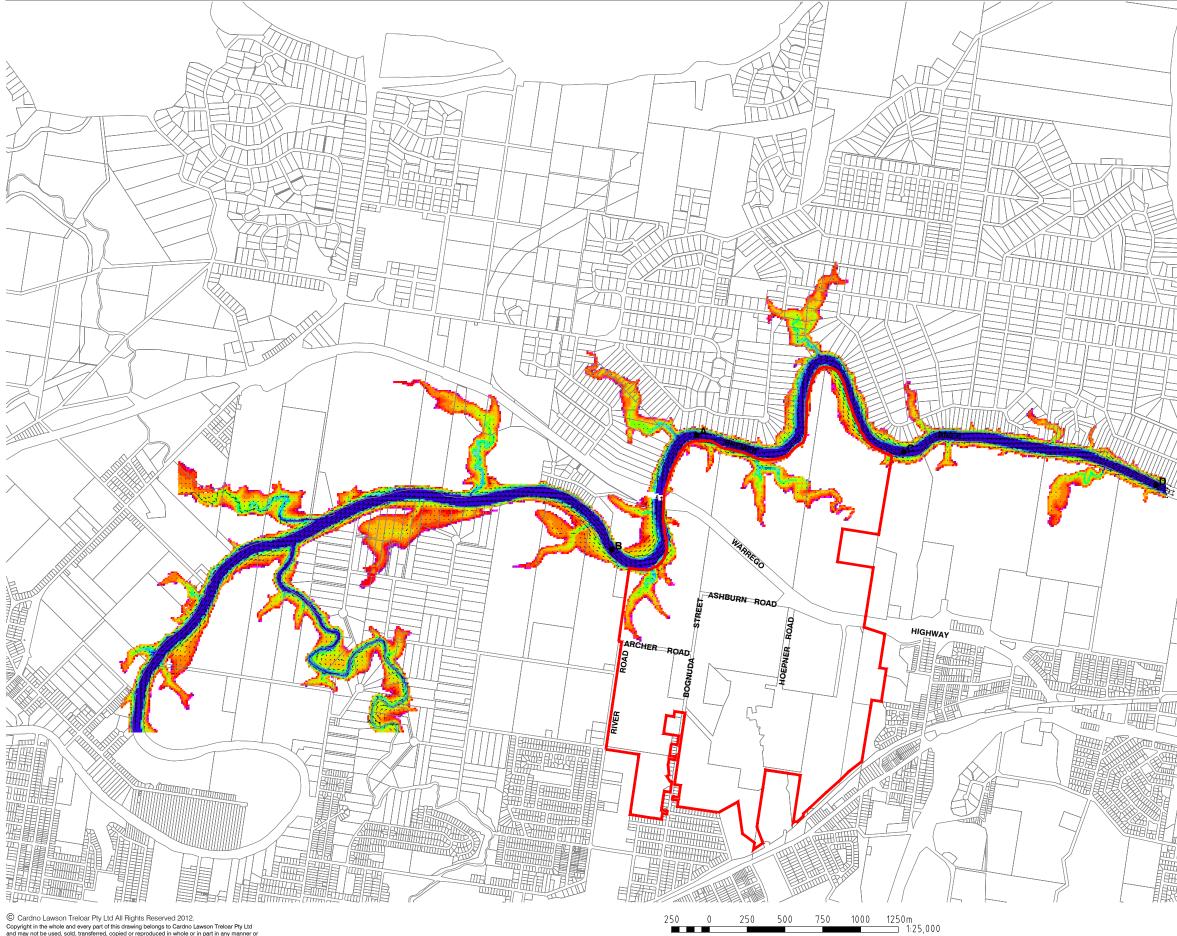




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Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:22pm

Scale 1:25000 (A3)



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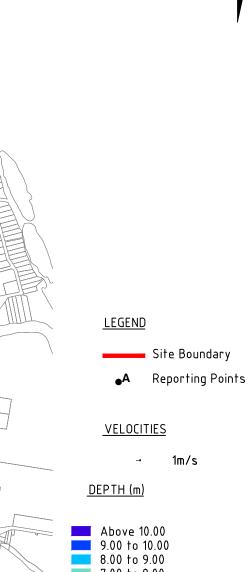
Citiswich

Flooding Investigation - Masterplan (R3/v5)

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BASE CASE - DEPTH - SKM ULTIMATE 20 YEAR EVENT (Brem_E08)

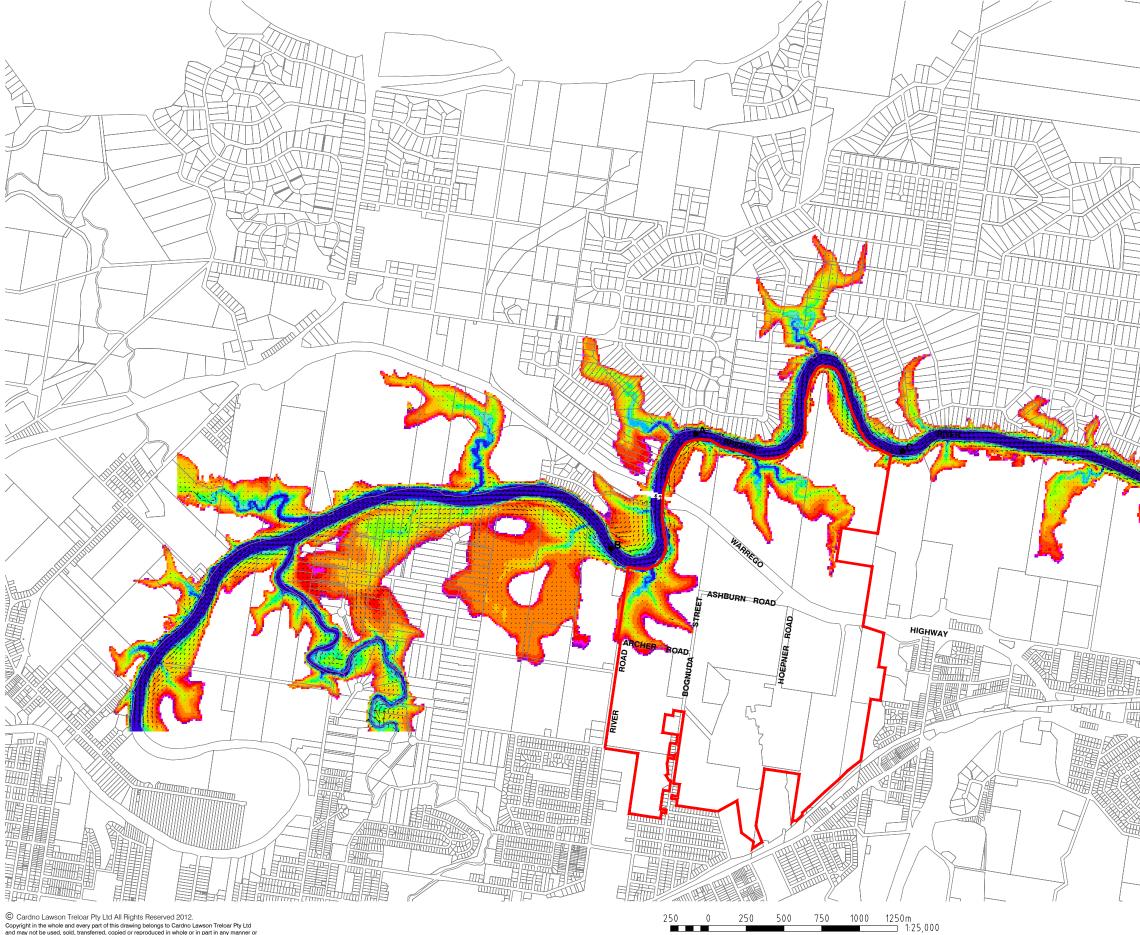




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> Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:22pm

Scale 1:25000 (A3)



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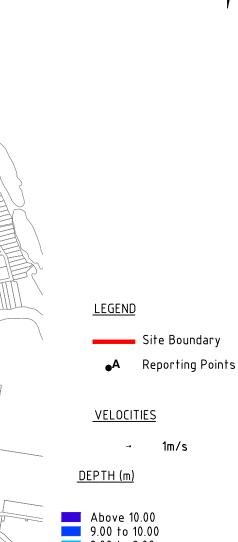
Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA

BASE CASE - DEPTH - SKM ULTIMATE 50 YEAR EVENT (Brem_E08)



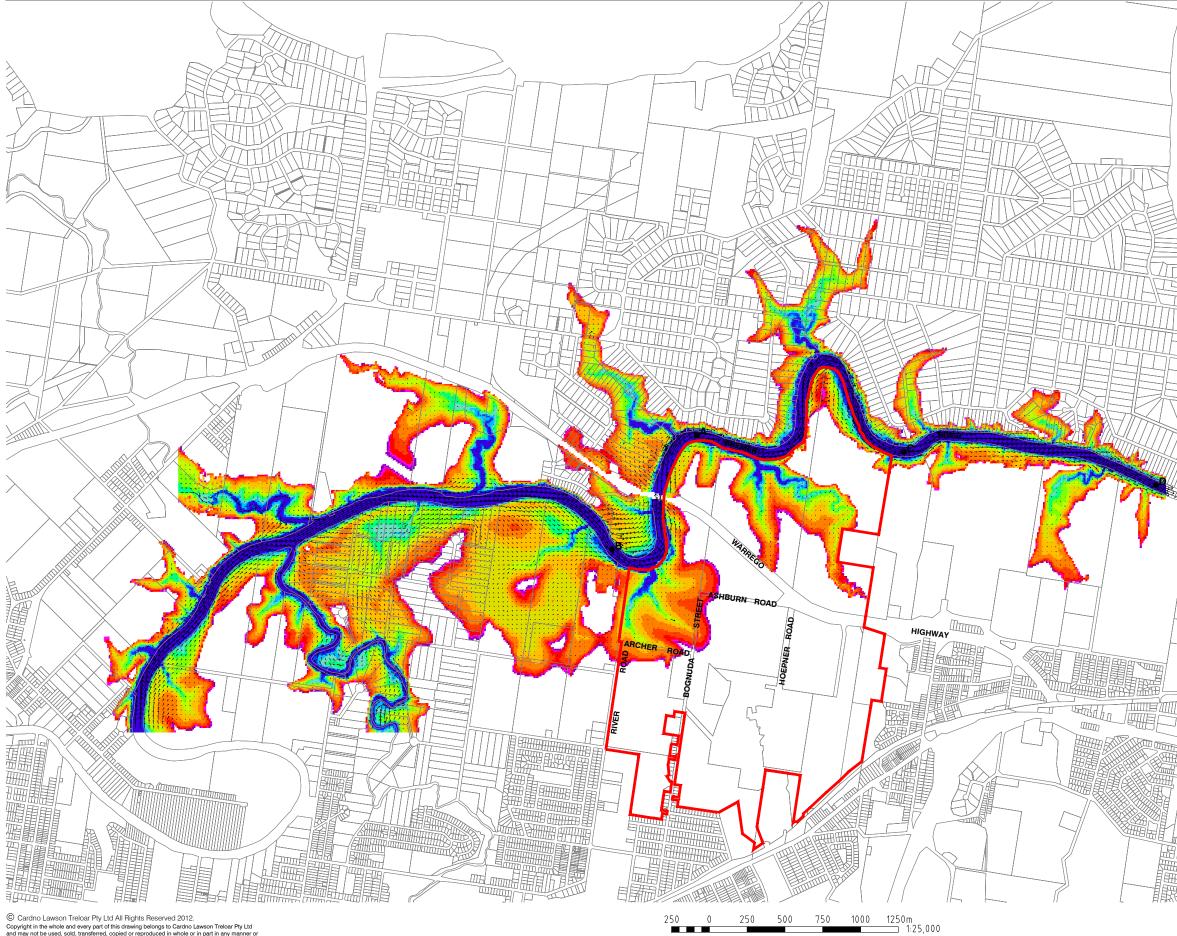


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8.00 to 9.00 7.00 to 8.00 6.00 to 7.00 5.00 to 6.00 4.00 to 5.00 3.00 to 4.00 2.00 to 3.00 1.00 to 2.00 0.50 to 1.00 0.20 to 0.50 0.10 to 0.20 0.01 to 0.10

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Citiswich

Flooding Investigation - Masterplan (R3/v5)

 Walker Corporation Pty Ltd

 CAD FILE: 0.\.JB714\Figures\R3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08a_Brem.dwg

 XRFF's: vrof-Results: vr-Inswirb_DEDR_MGA





Reporting Points

VELOCITIES

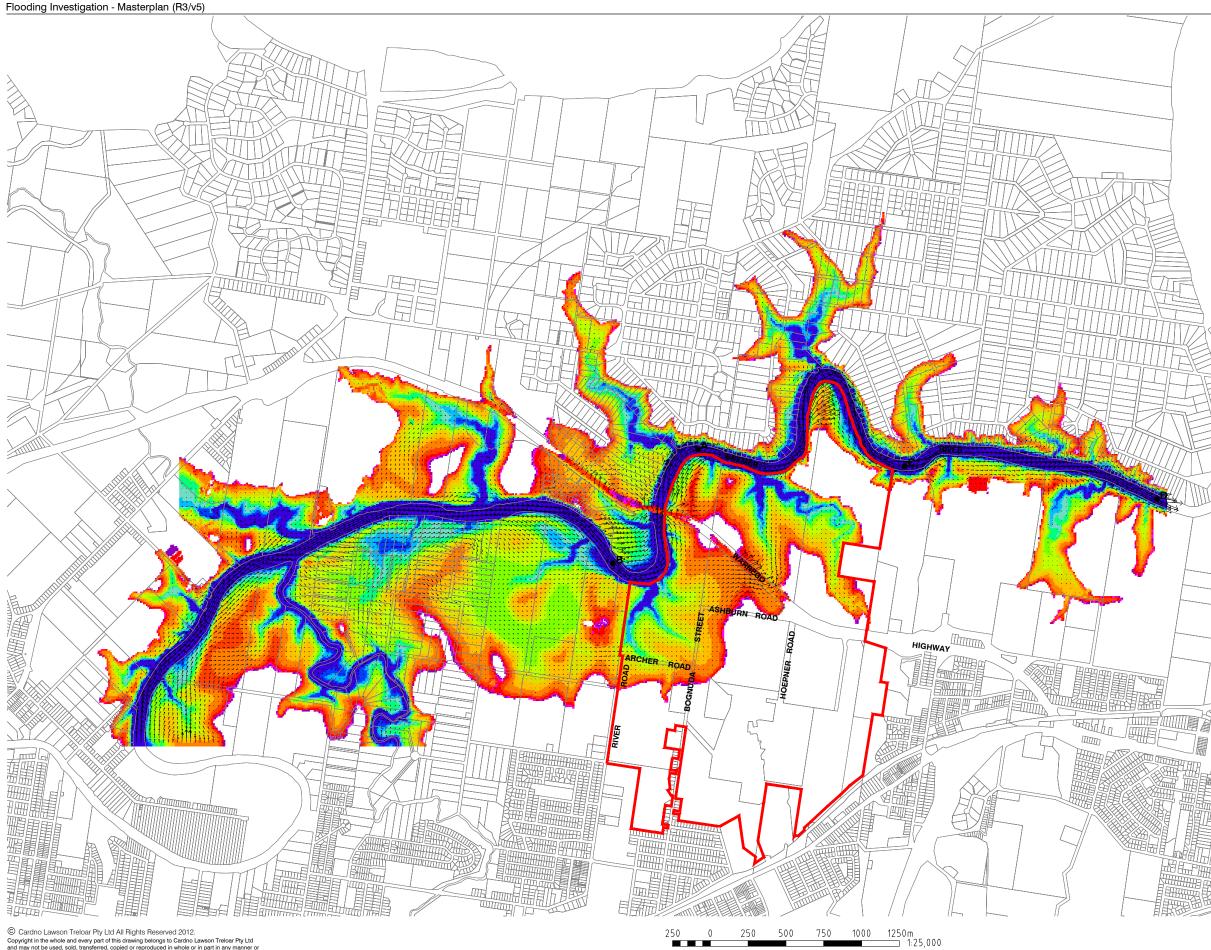
1m/s

DEPTH (m)

BASE CASE - DEPTH - SKM ULTIMATE 100 YEAR EVENT (Brem_E08a)

Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

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 CAD FILE: 0.\.JB714\Figures\R3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08a_Brem.dwg

 XRFF's: vrof-Results: vr-Inswirb_DEDR_MGA

BASE CASE - DEPTH - SKM ULTIMATE 200 YEAR EVENT (Brem_E08a)





Site Boundary

Reporting Points

VELOCITIES

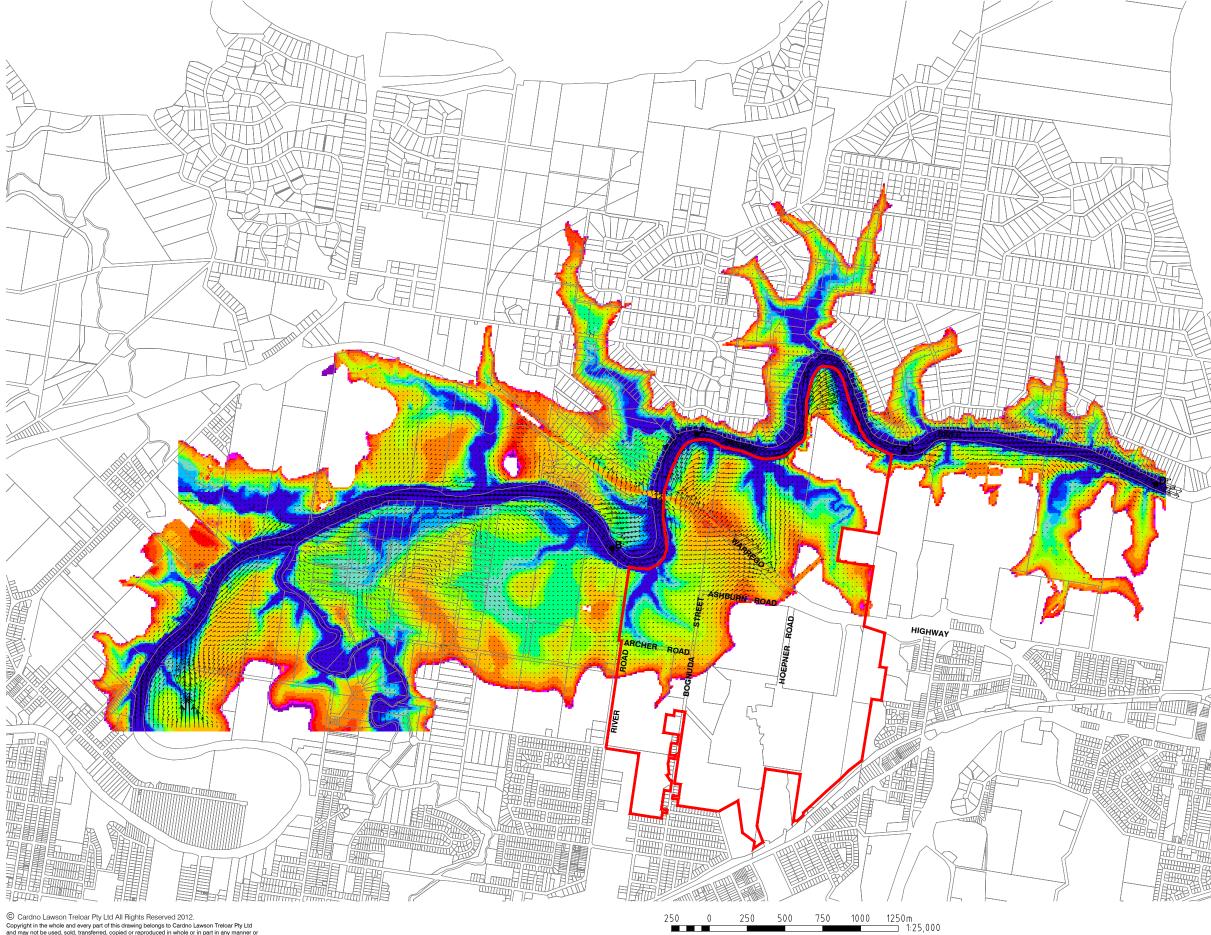
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1m/s

DEPTH (m)

Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

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Citiswich

Flooding Investigation - Masterplan (R3/v5)

 Walker Corporation Pty Ltd

 CAD FILE: 0.\.JB714\Figures\R3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08a_Brem.dwg

 XRFF's: vrof-Results: vr-Inswirb_DEDR_MGA

BASE CASE - DEPTH - SKM ULTIMATE 500 YEAR EVENT (Brem_E08a)





●A

Site Boundary

Reporting Points

VELOCITIES

1m/s

DEPTH (m)

Above 10.00
9.00 to 10.00
8.00 to 9.00
7.00 to 8.00
6.00 to 7.00
5.00 to 6.00
4.00 to 5.00
3.00 to 4.00
2.00 to 3.00
1.00 to 2.00
0.50 to 1.00
0.20 to 0.50
0.10 to 0.20
0.01 to 0.10

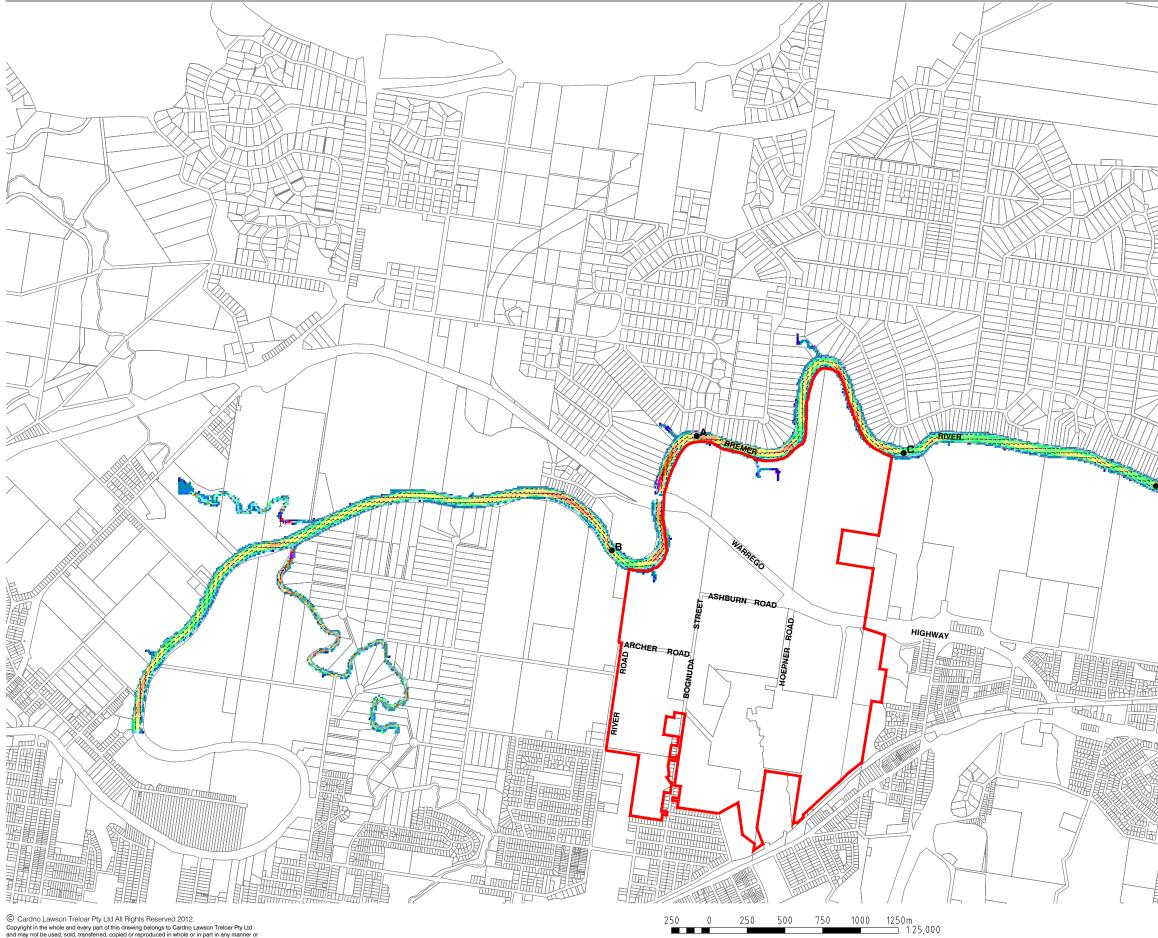
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Appendix E.3

Bremer River Flood SOBEK 2D Pre-Developed Base

Case Results – Speed



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Rev: 0 Date: May 2012

Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA



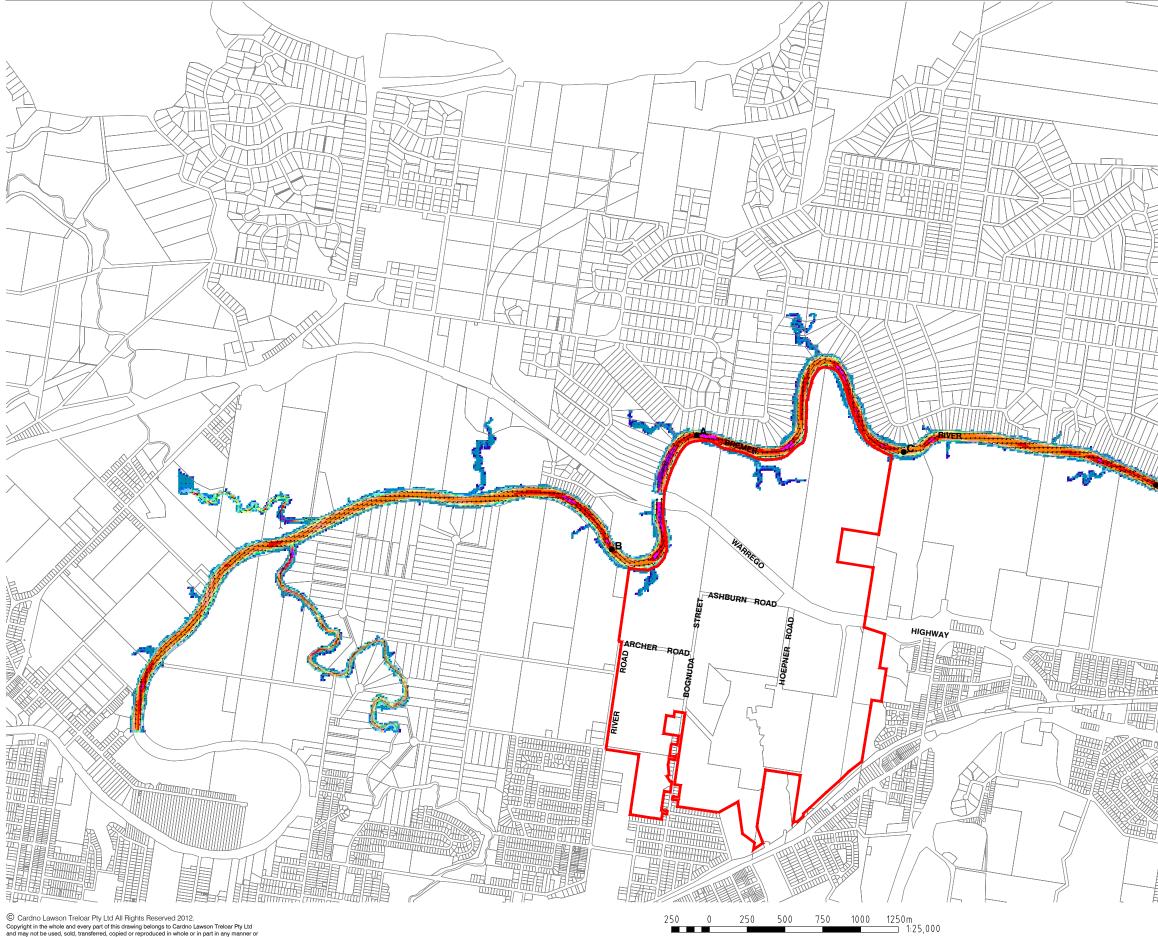


0.20 to 0.30 0.01 to 0.20 Below 0.01

BASE CASE - SPEED - SKM ULTIMATE 2 YEAR EVENT (Brem_E08)

Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:23pm

Scale 1:25000 (A3)



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Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA

BASE CASE - SPEED - SKM ULTIMATE 5 YEAR EVENT (Brem_E08)

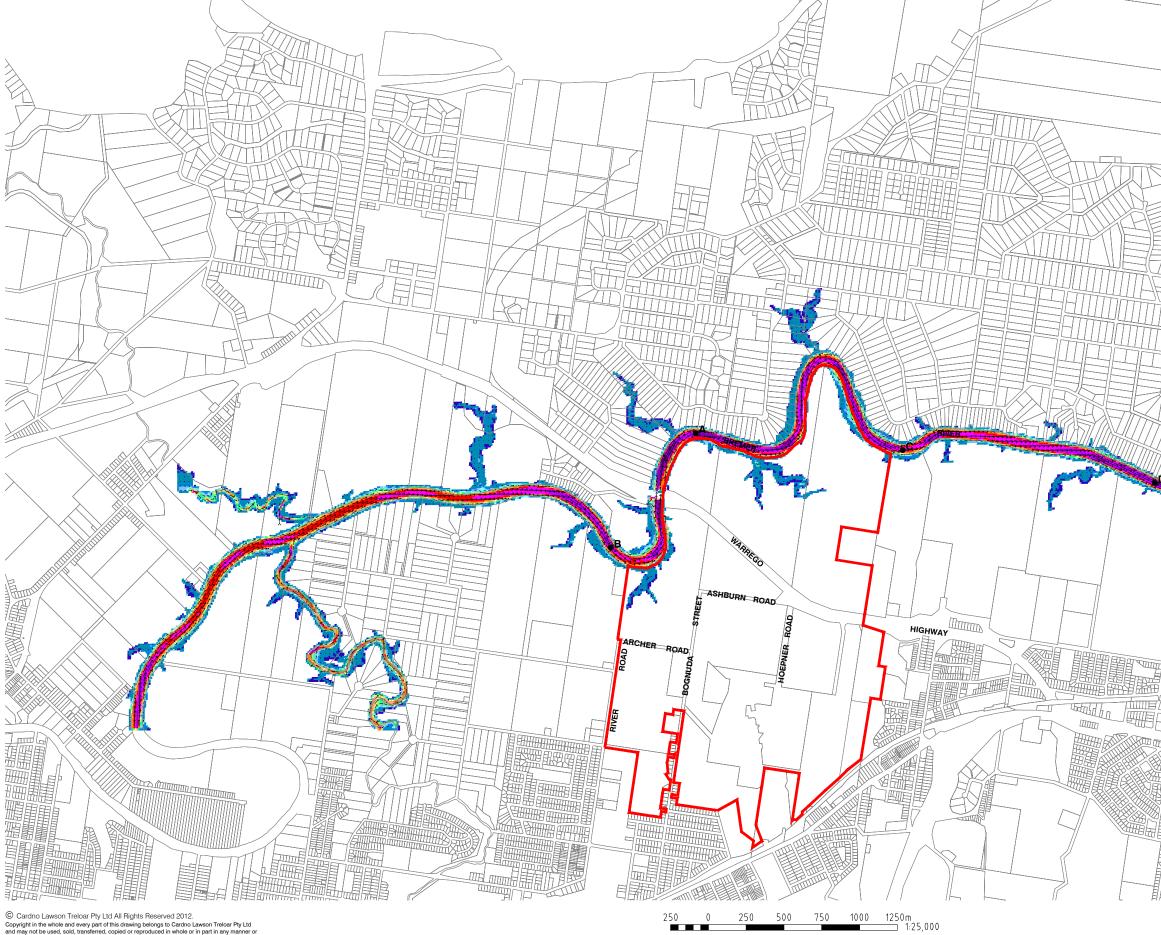




0.30 to 0.40 0.20 to 0.30 0.01 to 0.20 Below 0.01

> Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:24pm

Scale 1:25000 (A3)



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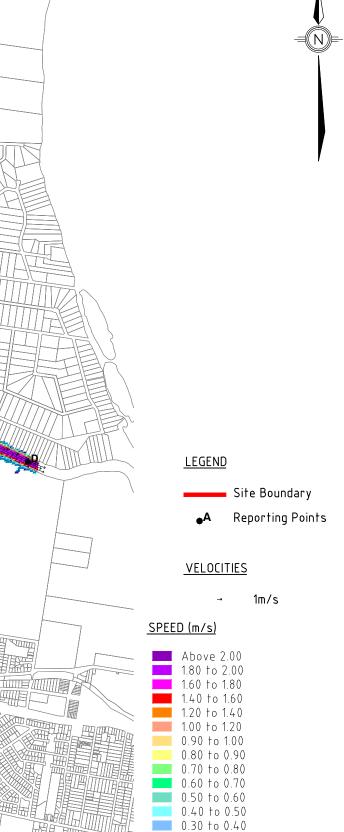
Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA

BASE CASE - SPEED - SKM ULTIMATE 10 YEAR EVENT (Brem_E08)

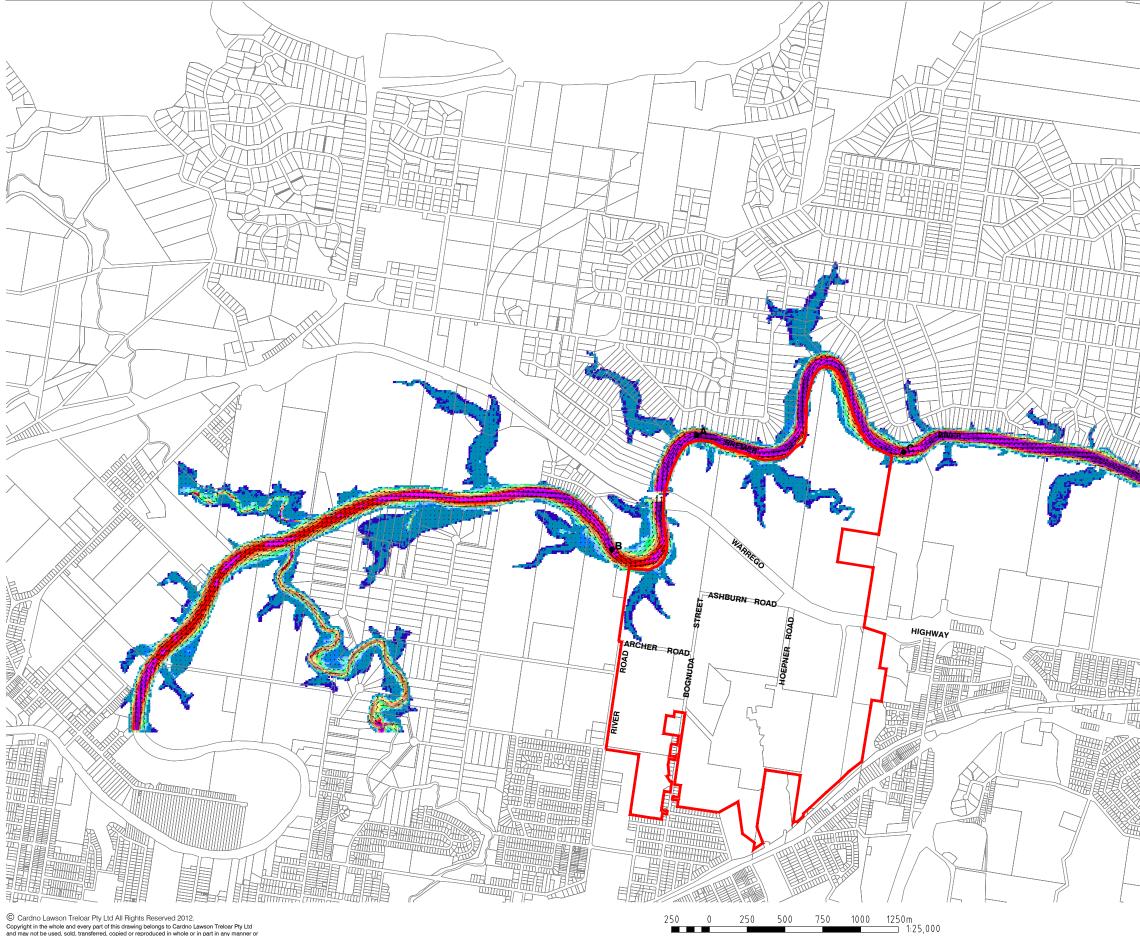




0.20 to 0.30 0.01 to 0.20 Below 0.01

> Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:24pm

Scale 1:25000 (A3)



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Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA

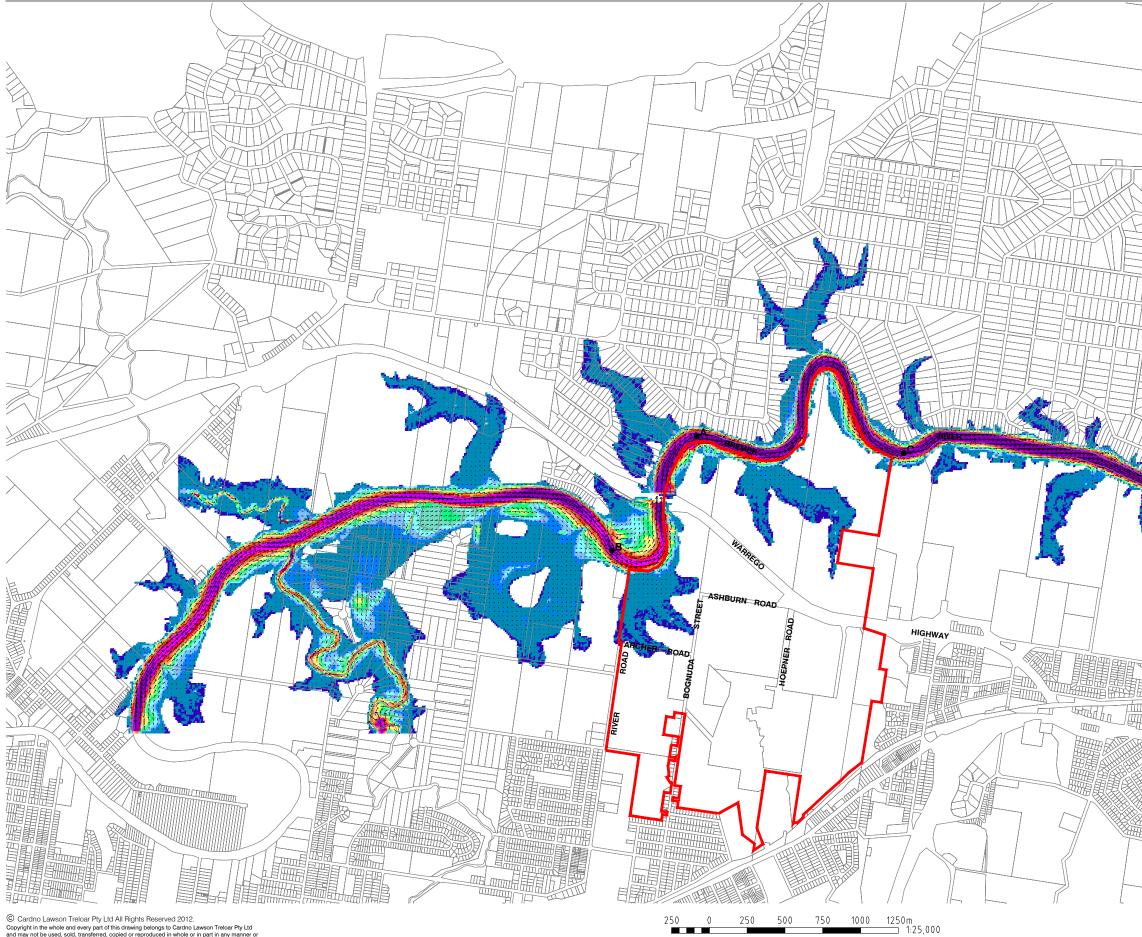
BASE CASE - SPEED - SKM ULTIMATE 20 YEAR EVENT (Brem_E08)





0.20 to 0.30 0.01 to 0.20 Below 0.01

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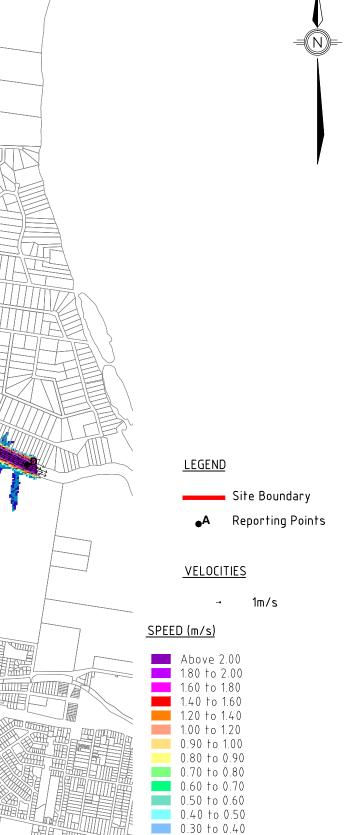
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Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA

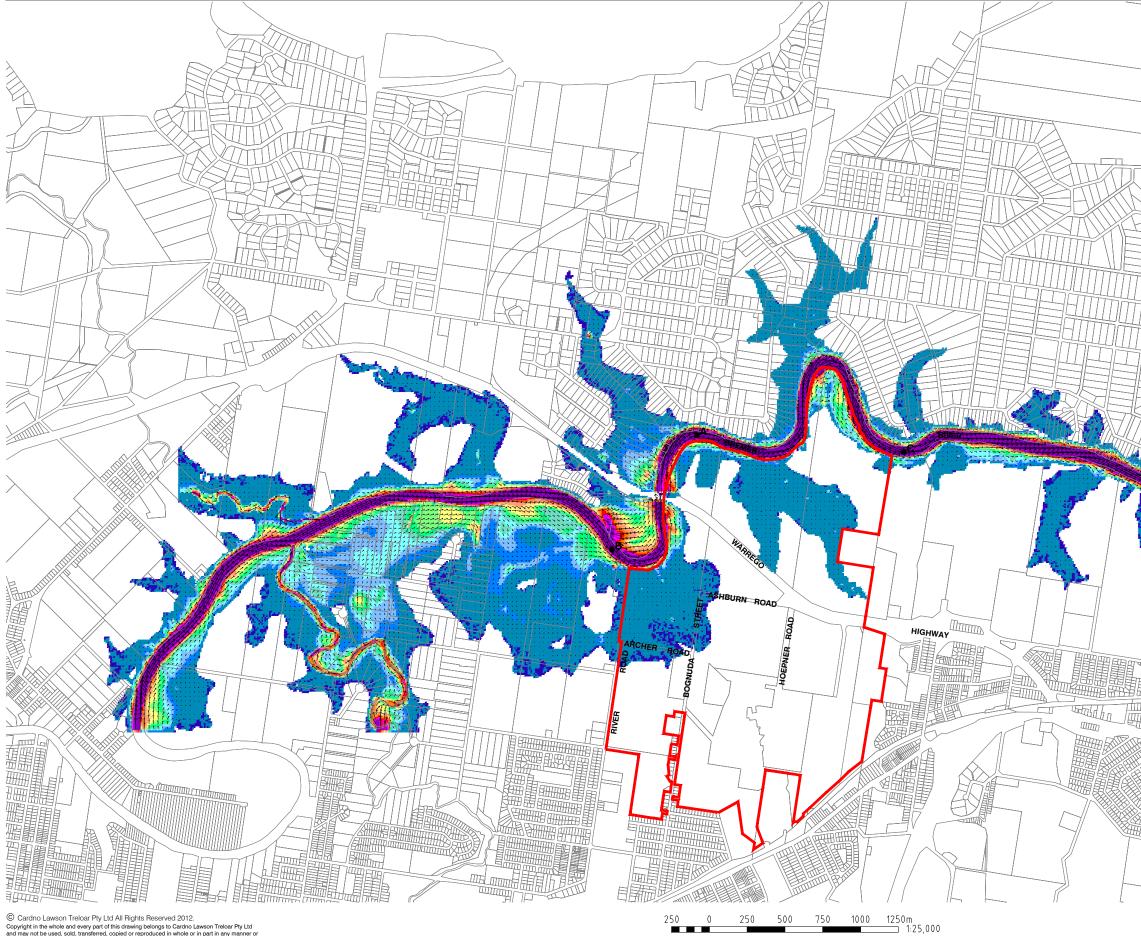




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BASE CASE - SPEED - SKM ULTIMATE 50 YEAR EVENT (Brem_E08)

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Flooding Investigation - Masterplan (R3/v5)

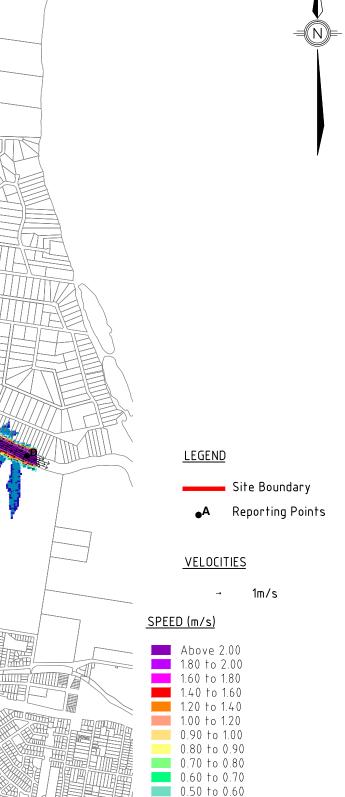
 Walker Corporation Pty Ltd

 CAD FILE: 0.\.JB714\Figures\R3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08a_Brem.dwg

 XRFF's: vrof-Results: vr-Inswirb_DEDR_MGA

BASE CASE - SPEED - SKM ULTIMATE 100 YEAR EVENT (Brem_E08a)

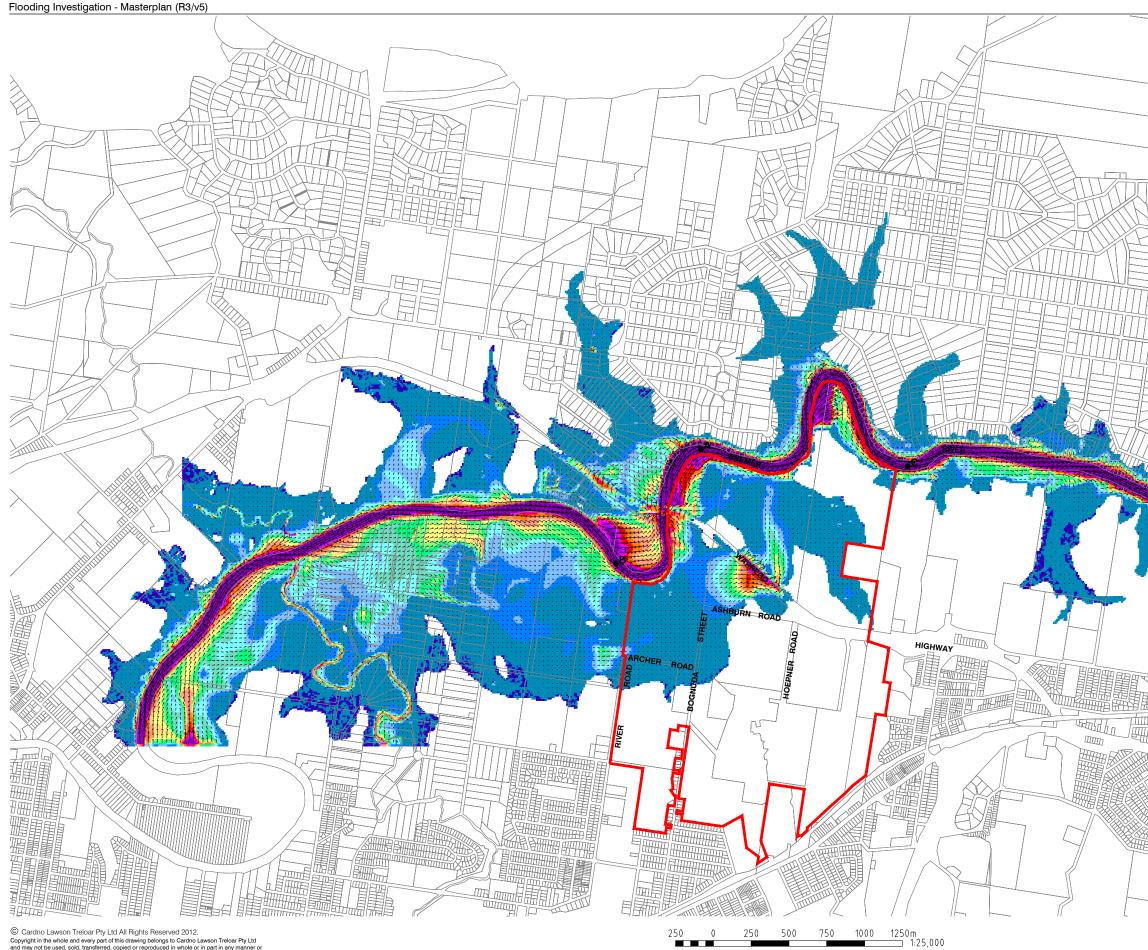




Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:21pm

Scale 1:25000 (A3) FIGURE E.3.6

0.40 to 0.50 0.30 to 0.40 0.20 to 0.30 0.01 to 0.20 Below 0.01



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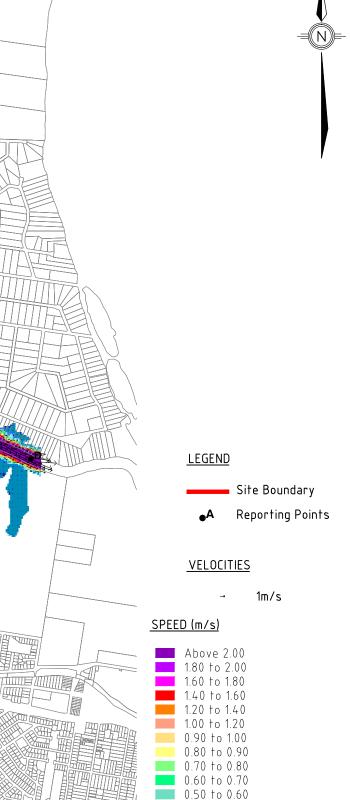
 Walker Corporation Pty Ltd

 CAD FILE: 0.\.JB714\Figures\R3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08a_Brem.dwg

 XRFF's: vrof-Results: vr-Inswirb_DEDR_MGA

BASE CASE - SPEED - SKM ULTIMATE 200 YEAR EVENT (Brem_E08a)



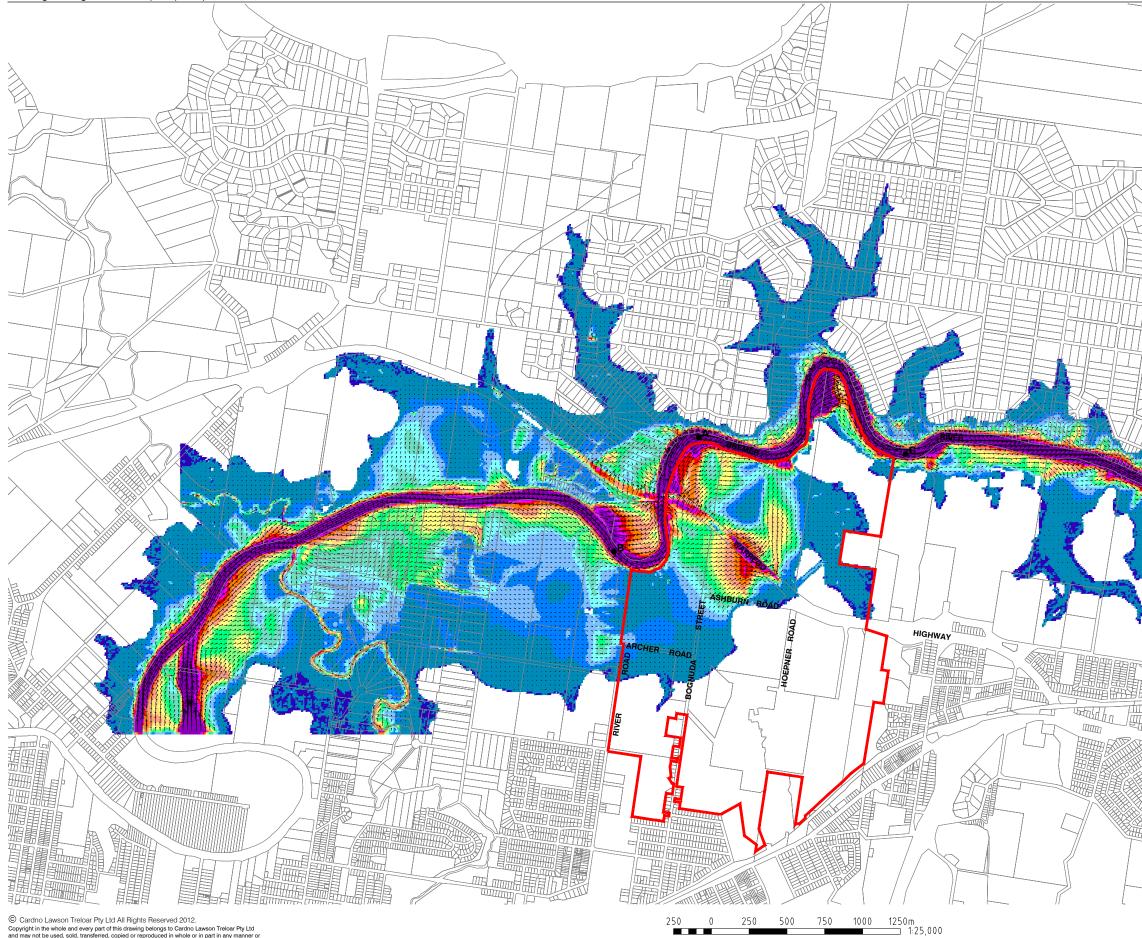


Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:22pm

Scale 1:25000 (A3)

FIGURE E.3.7

0.40 to 0.50 0.30 to 0.40 0.20 to 0.30 0.01 to 0.20 Below 0.01



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Flooding Investigation - Masterplan (R3/v5)

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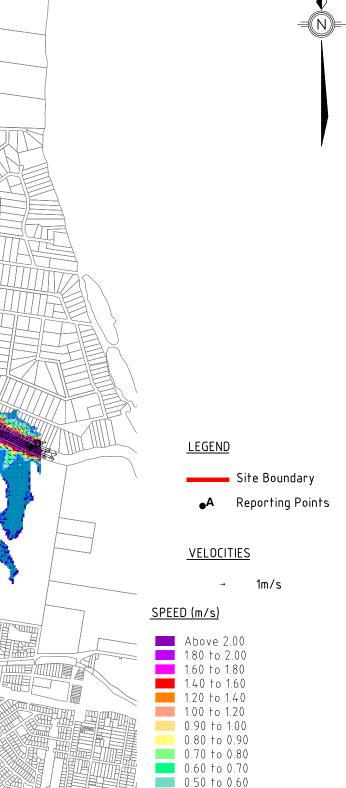
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 XRFF's: vrof-Results: vr-Inswirb_DEDR_MGA

BASE CASE - SPEED - SKM ULTIMATE 500 YEAR EVENT (Brem_E08a)

250 500





Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:23pm

Scale 1:25000 (A3)

FIGURE E.3.8

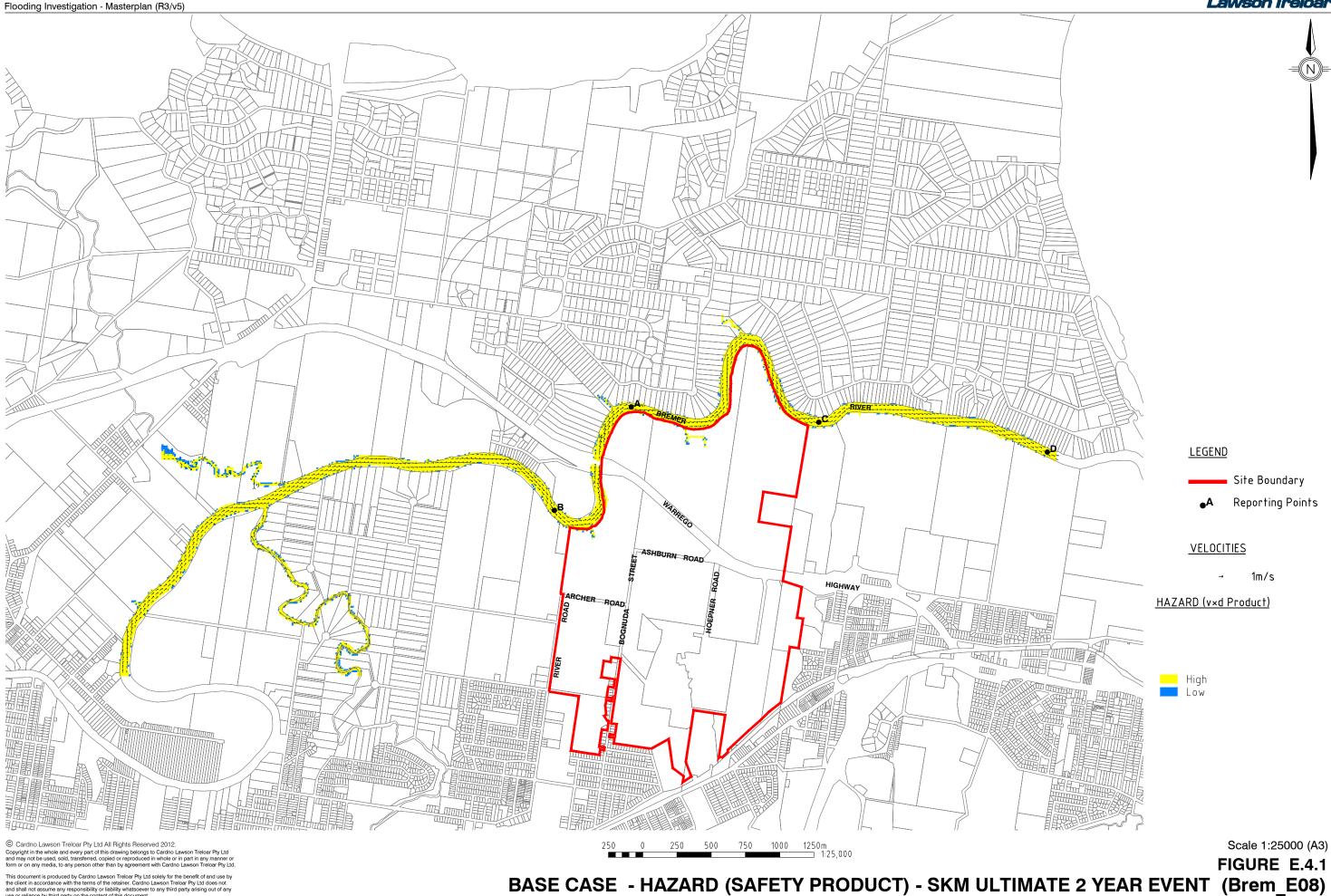
0.40 to 0.50 0.30 to 0.40 0.20 to 0.30 0.01 to 0.20 Below 0.01



Appendix E.4

Bremer River Flood SOBEK 2D Pre-Developed Base

Case Results – Hazard (Safety Product)



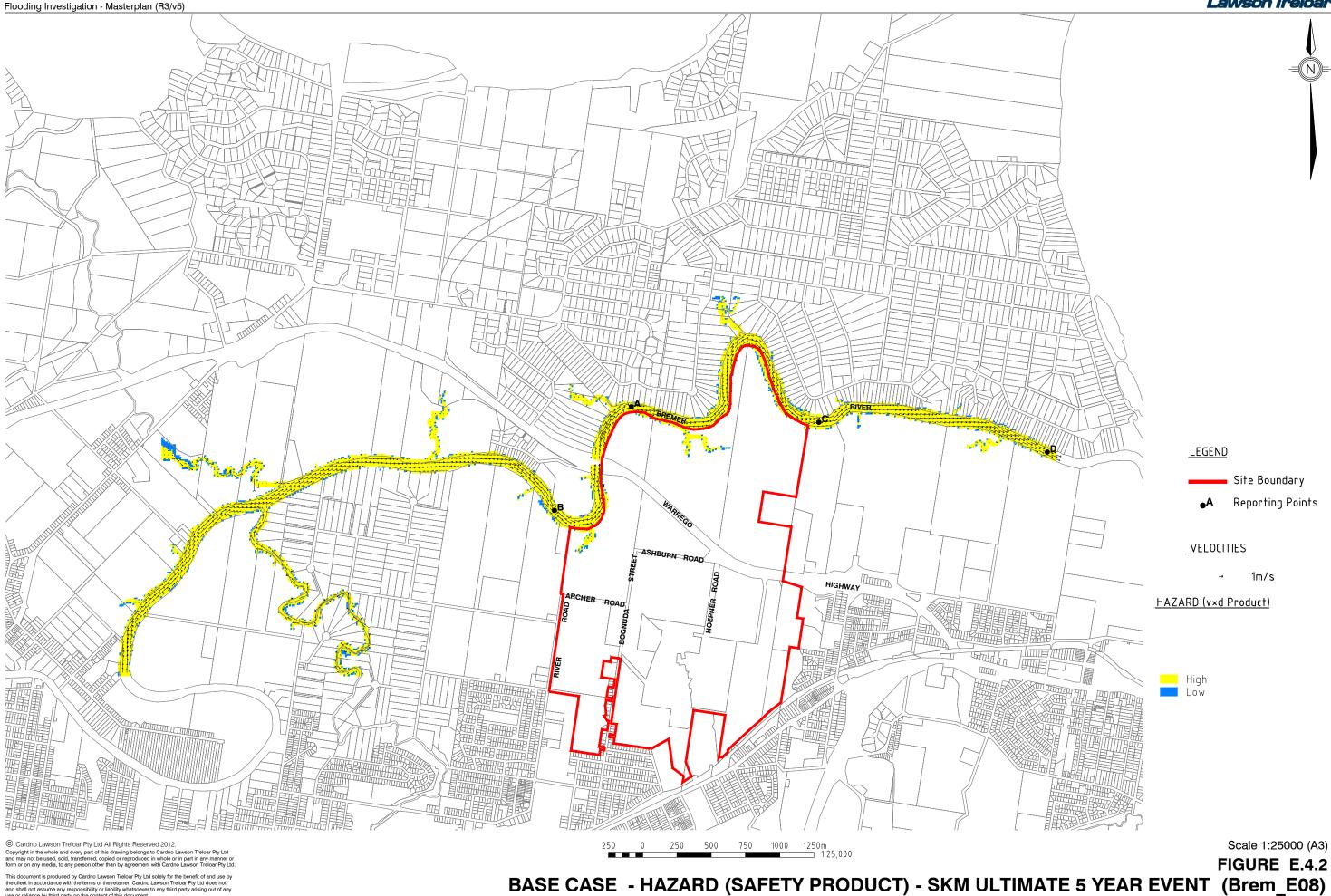
Rev: 0 Date: May 2012

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Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:25pm



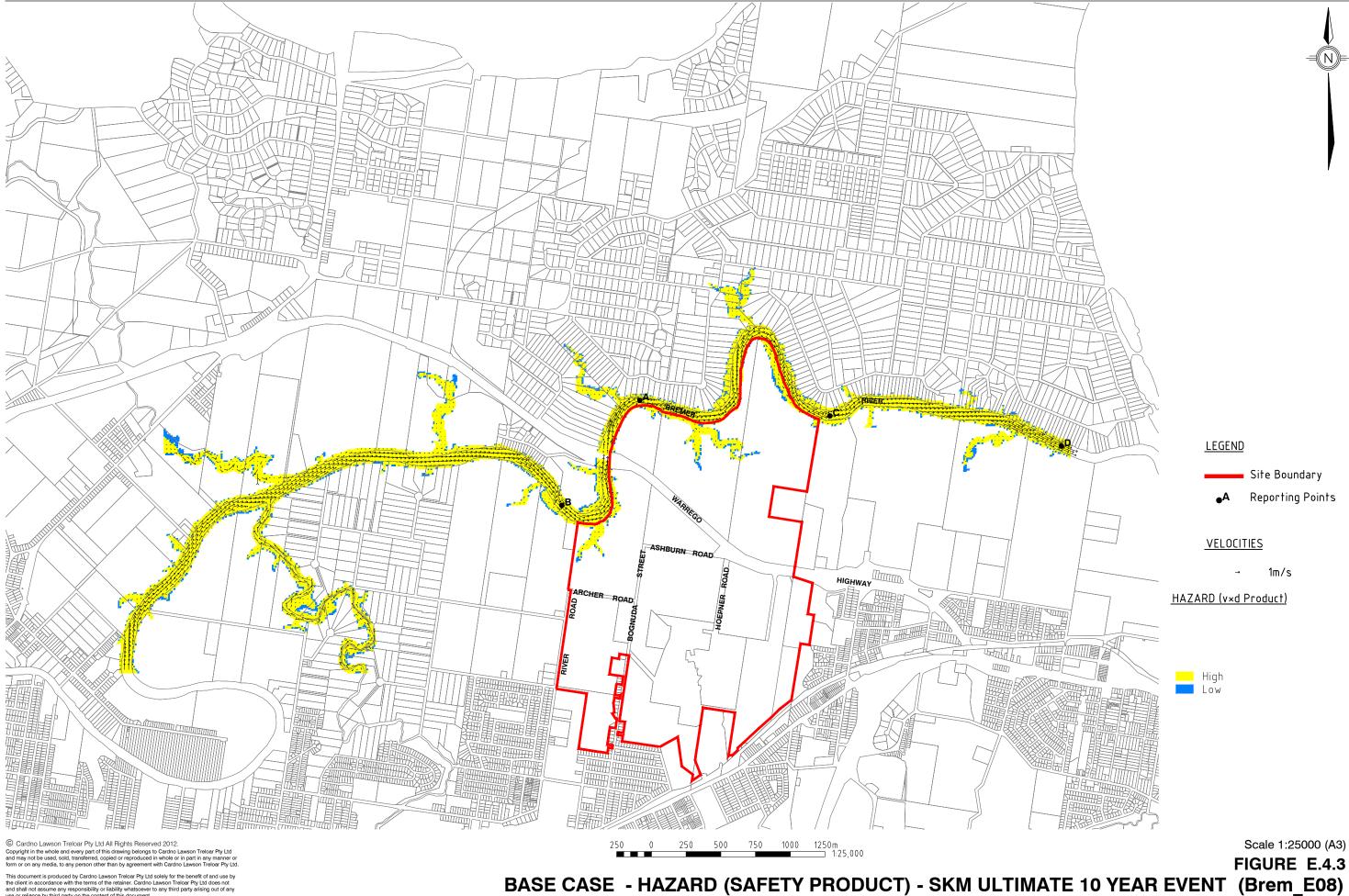
Rev: 0 Date: May 2012

Citiswich

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:26pm



Rev: 0 Date: May 2012

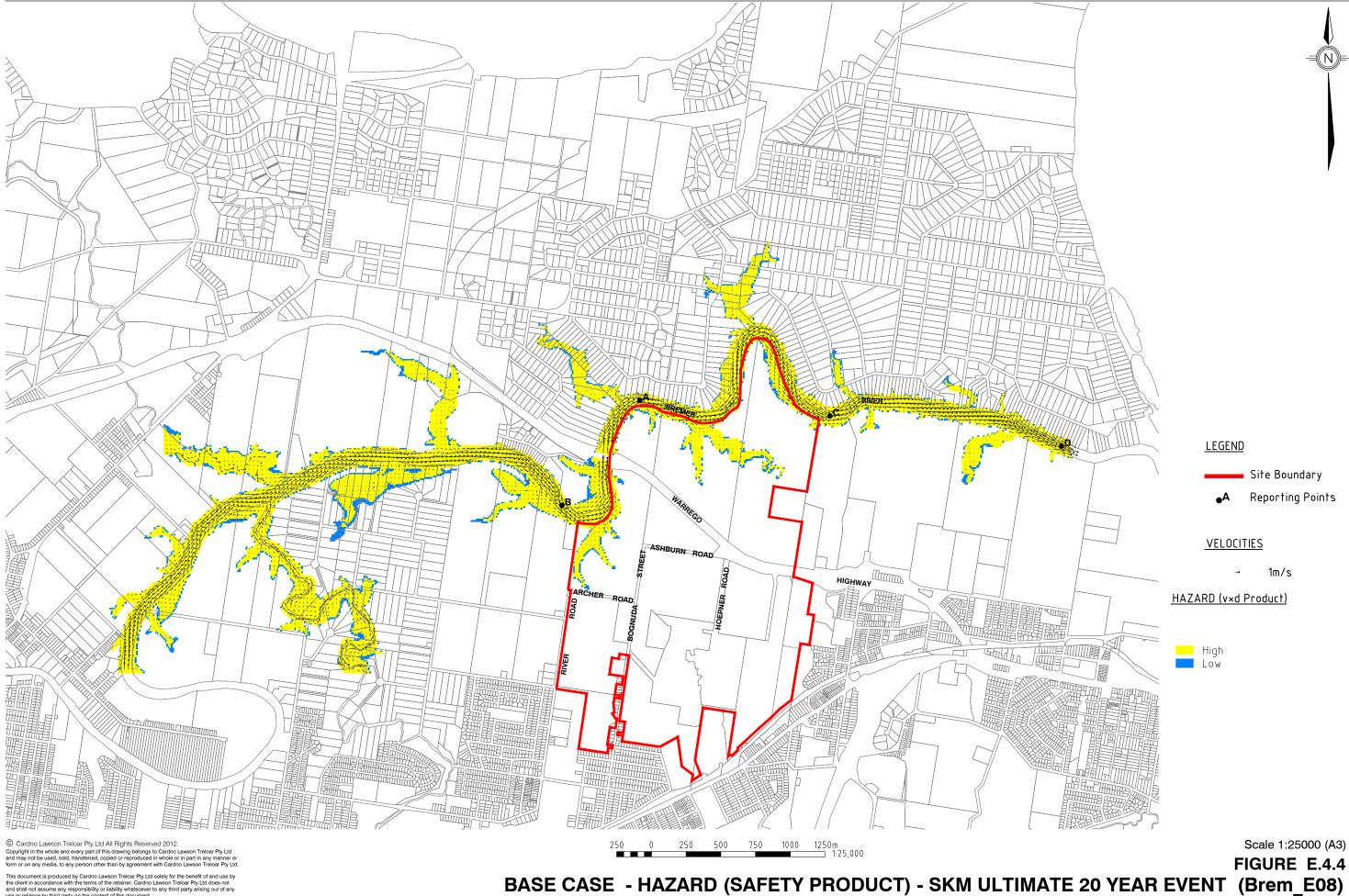
Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:26pm



Rev: 0 Date: May 2012

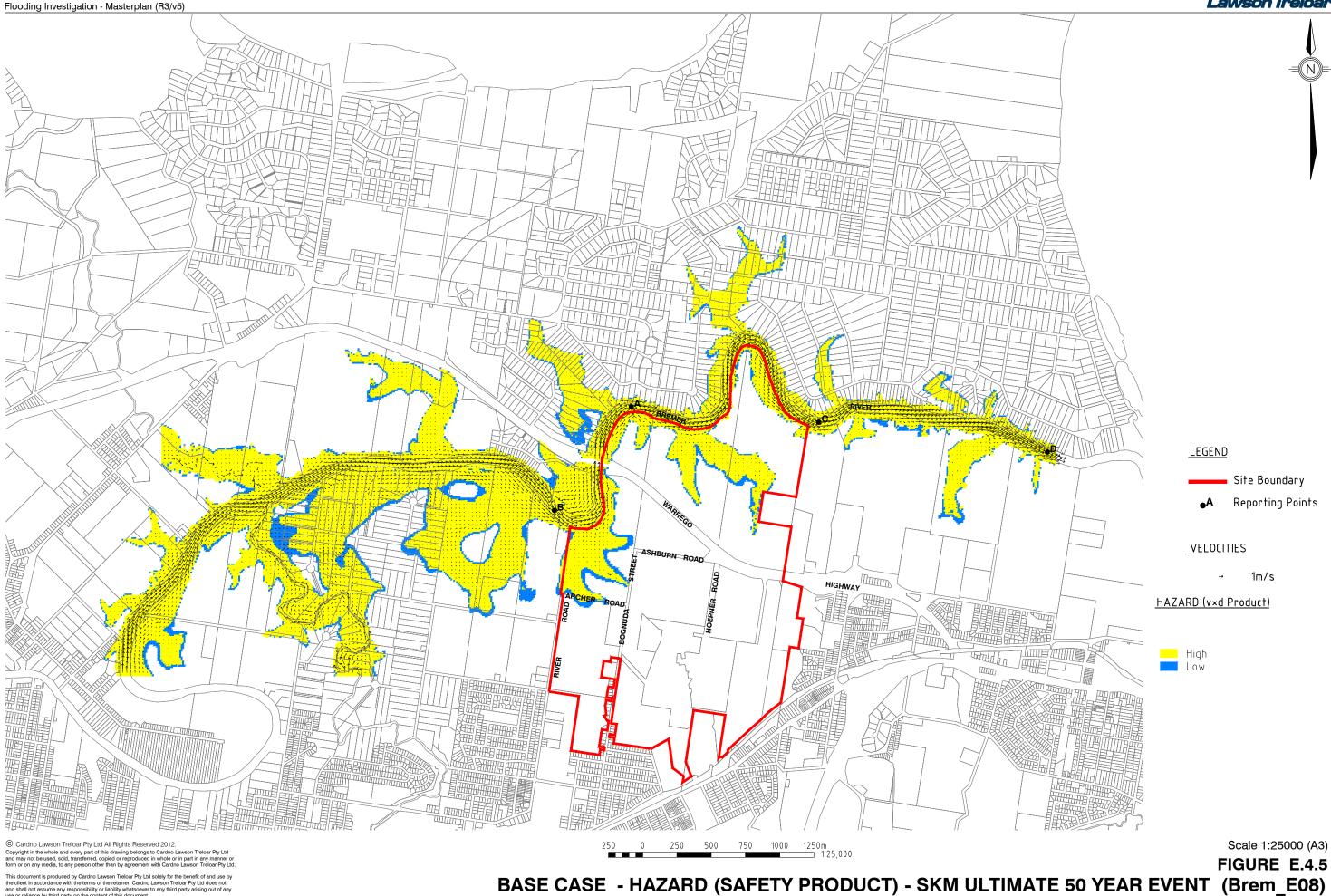
Citiswich

Flooding Investigation - Masterplan (R3/v5)

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:27pm



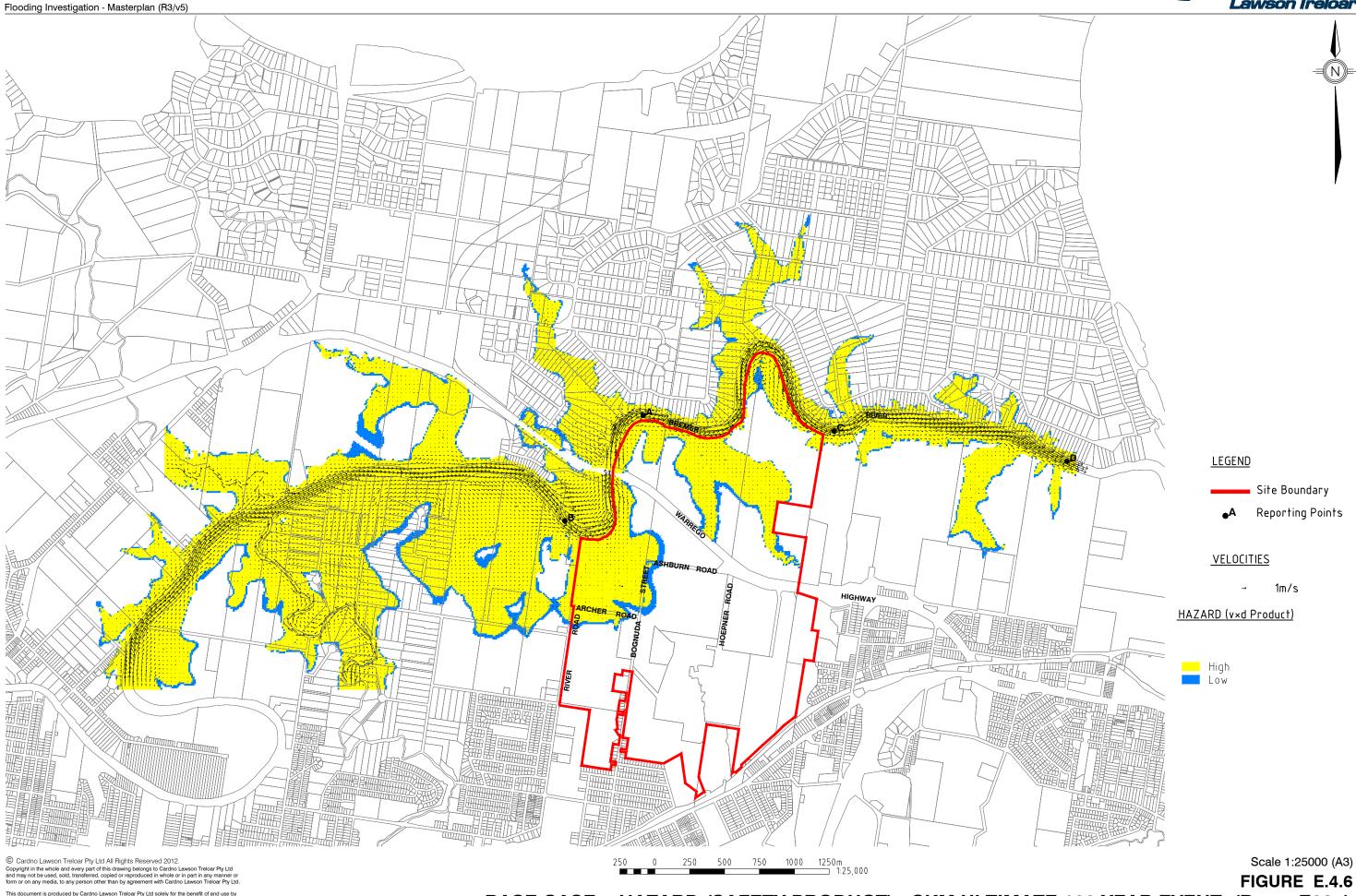
Rev: 0 Date: May 2012

Citiswich

Walker Corporation Pty Ltd CAD FILE: 0:\J8714\FiguresR3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08_Brem.dwg XRFF's: vrof-Results: vr-Inswirh_DFDR_MGA



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:27pm



Rev: 0 Date: April 2012

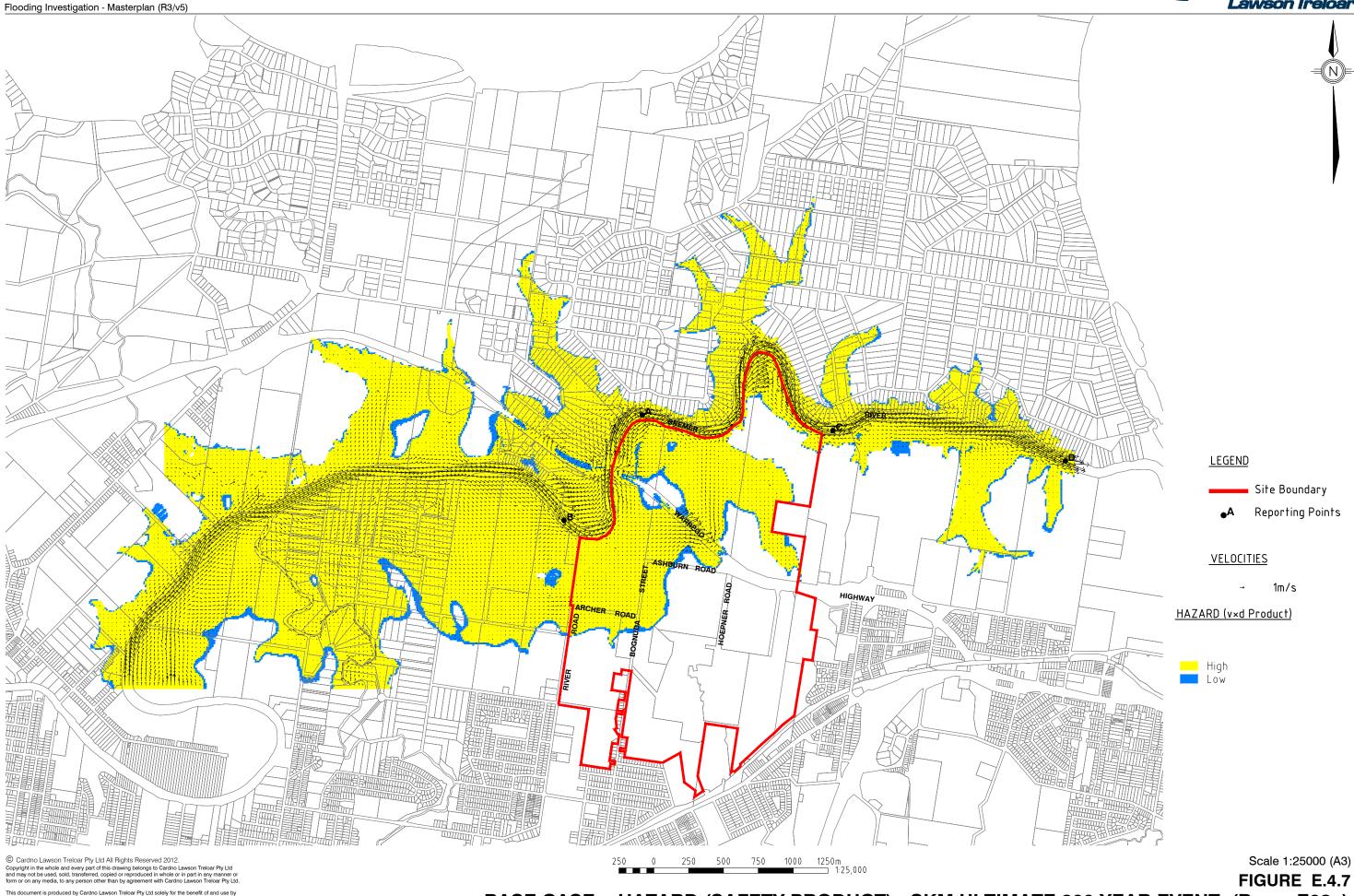
Citiswich

Walker Corporation Pty Ltd CAD FILE: 0.\J871\\Figures\R3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08a_Brem.dwg XRFF's: vrof-Results: vr-Inswirb_DCDR_MGA

BASE CASE - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 100 YEAR EVENT (Brem_E08a)



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:55pm



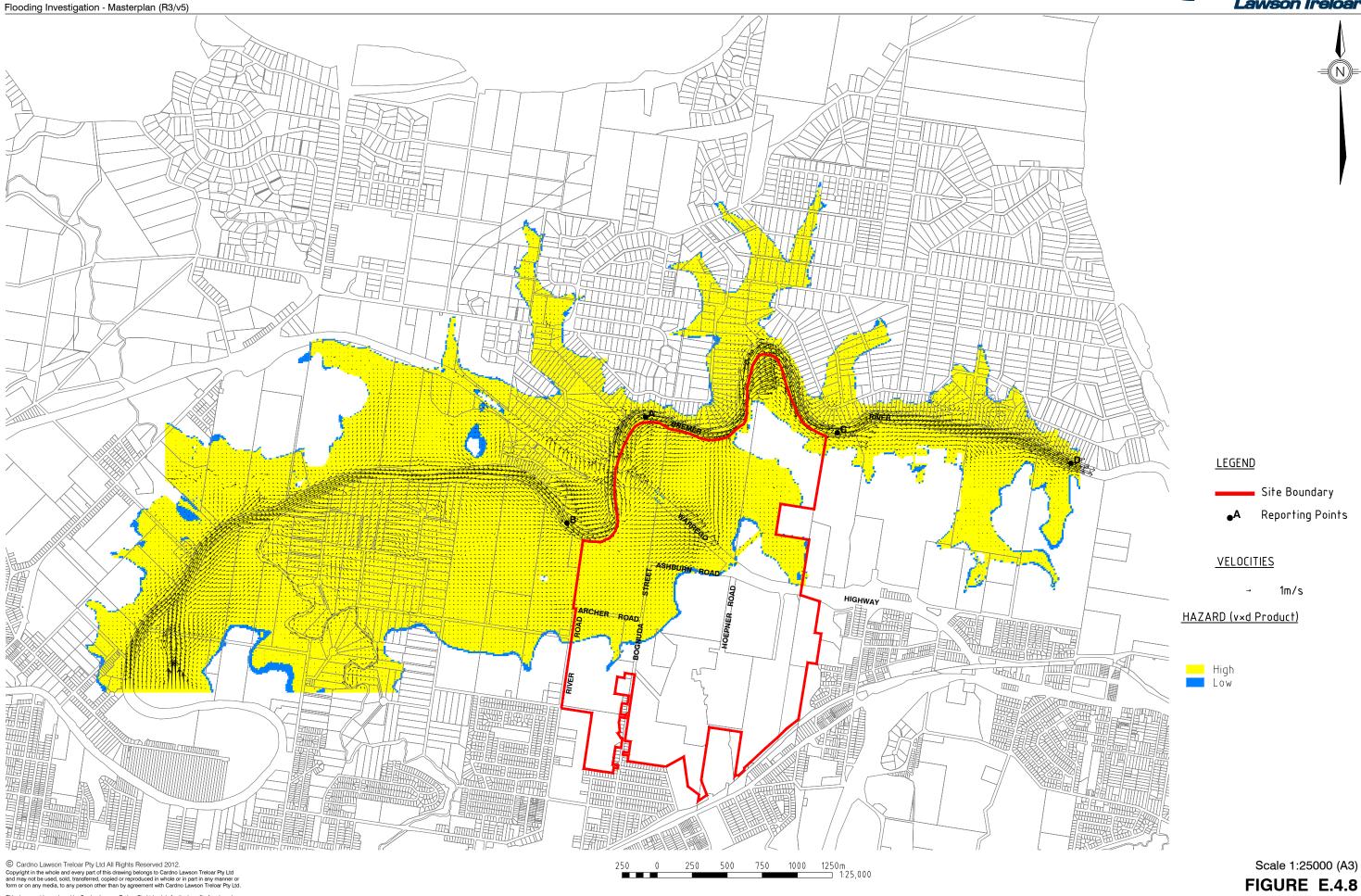
Rev: 0 Date: April 2012

Walker Corporation Pty Ltd CAD FILE: 0.\J871\\Figures\R3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08a_Brem.dwg XRFF's: vrof-Results: vr-Inswirb_DCDR_MGA

BASE CASE - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 200 YEAR EVENT (Brem_E08a)



Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:56pm



Rev: 0 Date: April 2012

Citiswich

Walker Corporation Pty Ltd CAD FILE: 0.\J871\\Figures\R3v5_Masterplan_Flooding\Appendices\App E\Figure_R3v5_E08a_Brem.dwg XRFF's: vrof-Results: vr-Inswirb_DCDR_MGA

BASE CASE - HAZARD (SAFETY PRODUCT) - SKM ULTIMATE 500 YEAR EVENT (Brem_E08a)



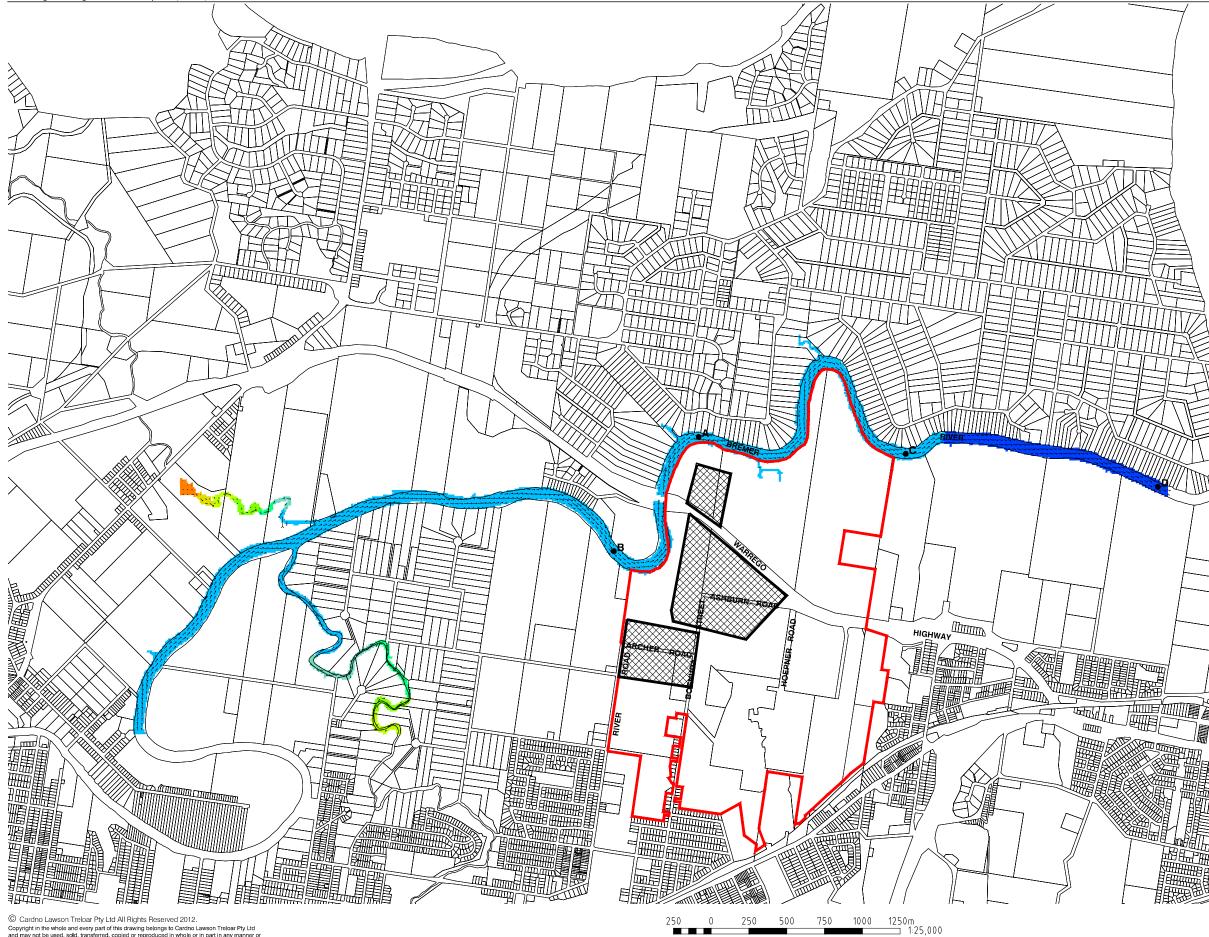
Project No.: LJ8714 PRINT DATE: 11 May, 2012 - 7:56pm



Appendix F.1

Bremer River Flood SOBEK 2D Existing Current Case

Results – Water Surface Level



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Flooding Investigation - Masterplan (R3/v5)

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EXISTING CURRENT - WATER SURFACE LEVELS - SKM ULTIMATE 2 YEAR EVENT (Brem_E08c)





<u>LEGEND</u>



 Site Boundary •A Reporting Points Existing Current Fill Boundary

VELOCITIES

1m/s

WATER SURFACE LEVEL (mAHD)

Above 13.00 12.00 to 13.00 11.00 to 12.00 10.00 to 11.00 9.00 to 10.00 8.00 to 9.00 7.00 to 8.00 6.00 to 7.00 5.00 to 6.00 4.00 to 5.00 3.00 to 4.00 2.00 to 3.00 1.00 to 2.00 Below 1.00

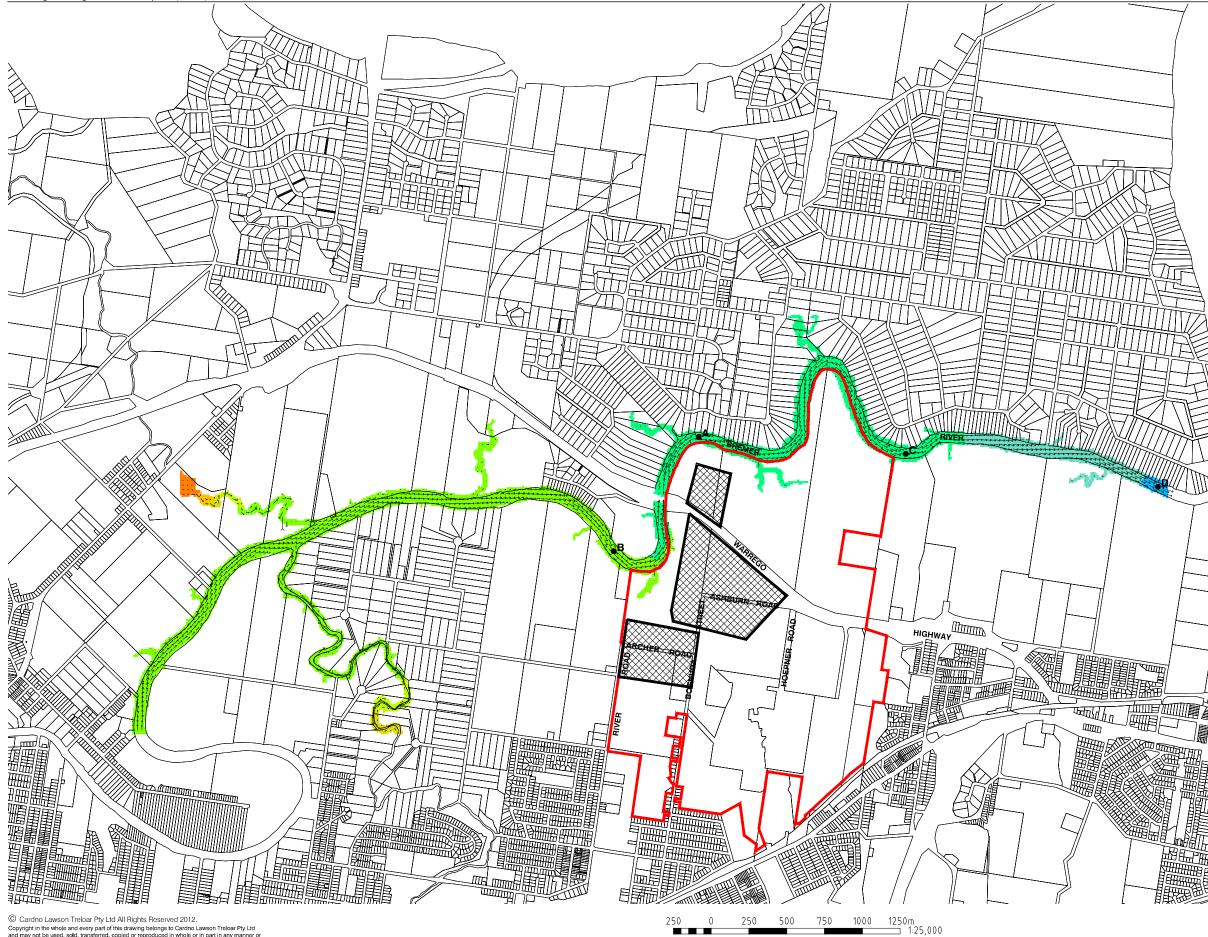
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Scale 1:25000 (A3)



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Flooding Investigation - Masterplan (R3/v5)

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<u>LEGEND</u>



 Site Boundary Reporting Points Existing Current Fill Boundary

VELOCITIES

1m/s

WATER SURFACE LEVEL (mAHD)

Above 13.00 12.00 to 13.00 11.00 to 12.00 10.00 to 11.00 9.00 to 10.00 8.00 to 9.00 7.00 to 8.00 6.00 to 7.00 5.00 to 6.00 4.00 to 5.00 3.00 to 4.00 2.00 to 3.00 1.00 to 2.00 Below 1.00

FIGURE F.1.2

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<u>LEGEND</u>



Site Boundary Reporting Points Existing Current Fill Boundary

VELOCITIES

1m/s

WATER SURFACE LEVEL (mAHD)

Above 13.00 12.00 to 13.00 11.00 to 12.00 10.00 to 11.00 9.00 to 10.00 8.00 to 9.00 7.00 to 8.00 6.00 to 7.00 5.00 to 6.00 4.00 to 5.00 3.00 to 4.00 2.00 to 3.00 1.00 to 2.00 Below 1.00

FIGURE F.1.3

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Flooding Investigation - Masterplan (R3/v5)

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<u>LEGEND</u>



Site Boundary Reporting Points Existing Current Fill Boundary

VELOCITIES

1m/s

WATER SURFACE LEVEL (mAHD)

Above 13.00 12.00 to 13.00 11.00 to 12.00 10.00 to 11.00 9.00 to 10.00 8.00 to 9.00 7.00 to 8.00 6.00 to 7.00 5.00 to 6.00 4.00 to 5.00 3.00 to 4.00 2.00 to 3.00 1.00 to 2.00 Below 1.00

FIGURE F.1.4

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Flooding Investigation - Masterplan (R3/v5)

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<u>LEGEND</u>



Site Boundary Reporting Points Existing Current Fill Boundary

VELOCITIES

1m/s

WATER SURFACE LEVEL (mAHD)

Above 13.00 12.00 to 13.00 11.00 to 12.00 10.00 to 11.00 9.00 to 10.00 8.00 to 9.00 7.00 to 8.00 6.00 to 7.00 5.00 to 6.00 4.00 to 5.00 3.00 to 4.00 2.00 to 3.00 1.00 to 2.00 Below 1.00

FIGURE F.1.5

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