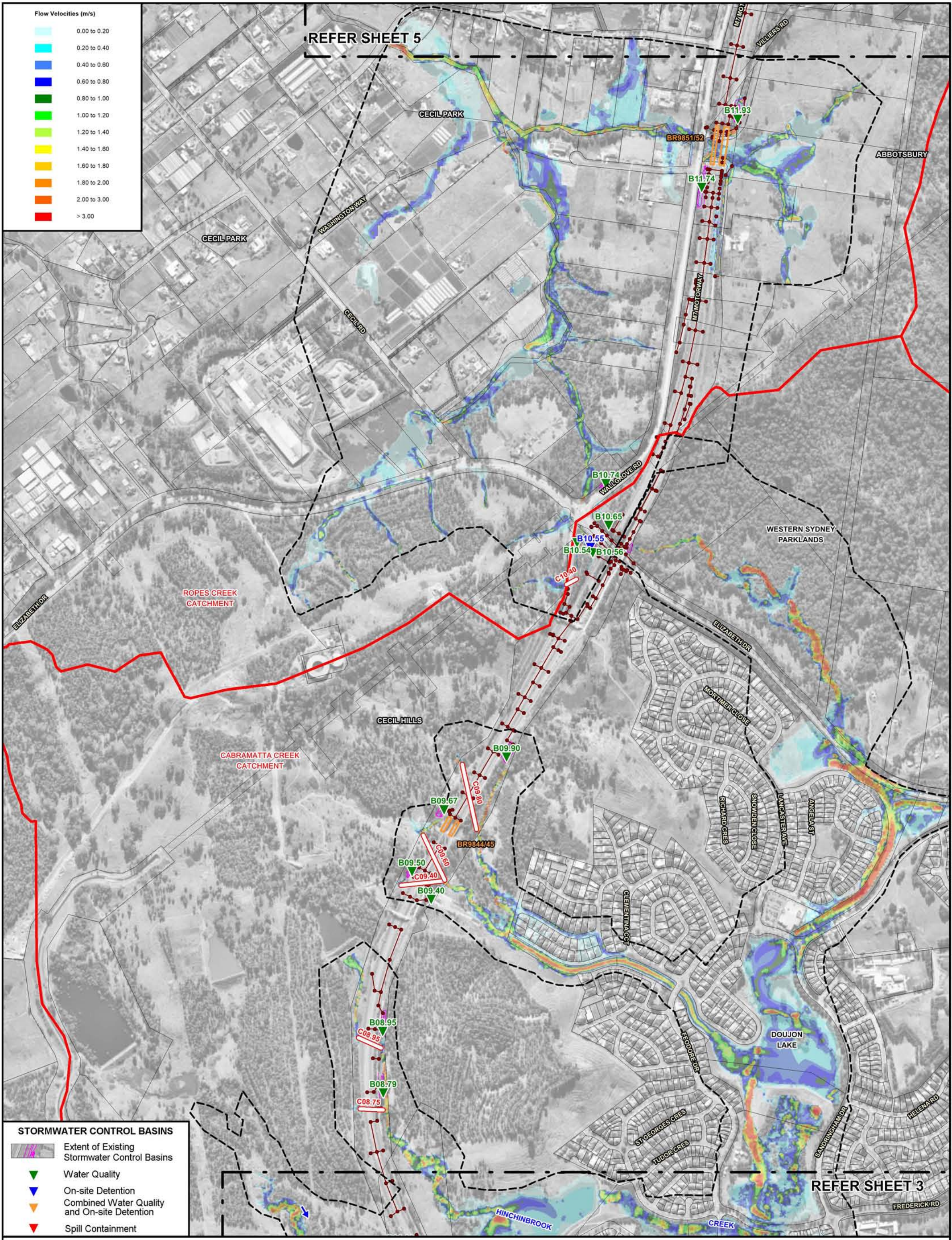




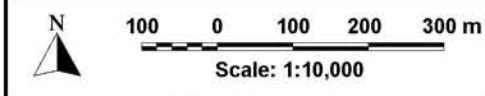
Appendix G - Part 2

Surface Water and Flooding Impact Assessment



STORMWATER CONTROL BASINS

- Extent of Existing Stormwater Control Basins
- Water Quality
- On-site Detention
- Combined Water Quality and On-site Detention
- Spill Containment



LEGEND

- Extent of Major Catchments
- Existing Bridge Waterway Crossing and Identifier
- Existing M7 Motorway Pit and Pipe Drainage Network

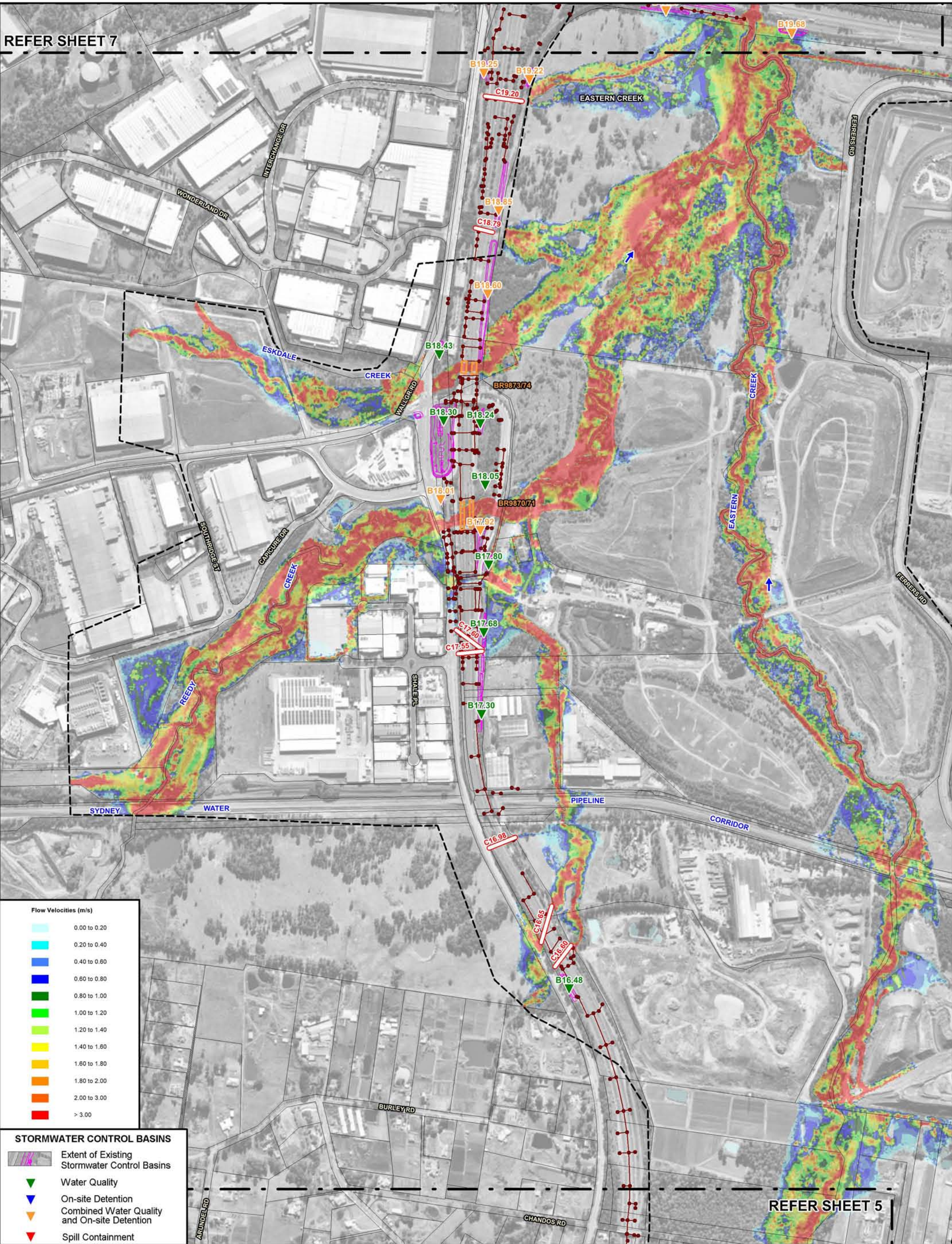
- C01.25 Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

MAXIMUM FLOW VELOCITIES - PRE-PROPOSED MODIFICATION CONDITIONS
1% AEP

**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

Figure C.5
(Sheet 4 of 8)

REFER SHEET 7



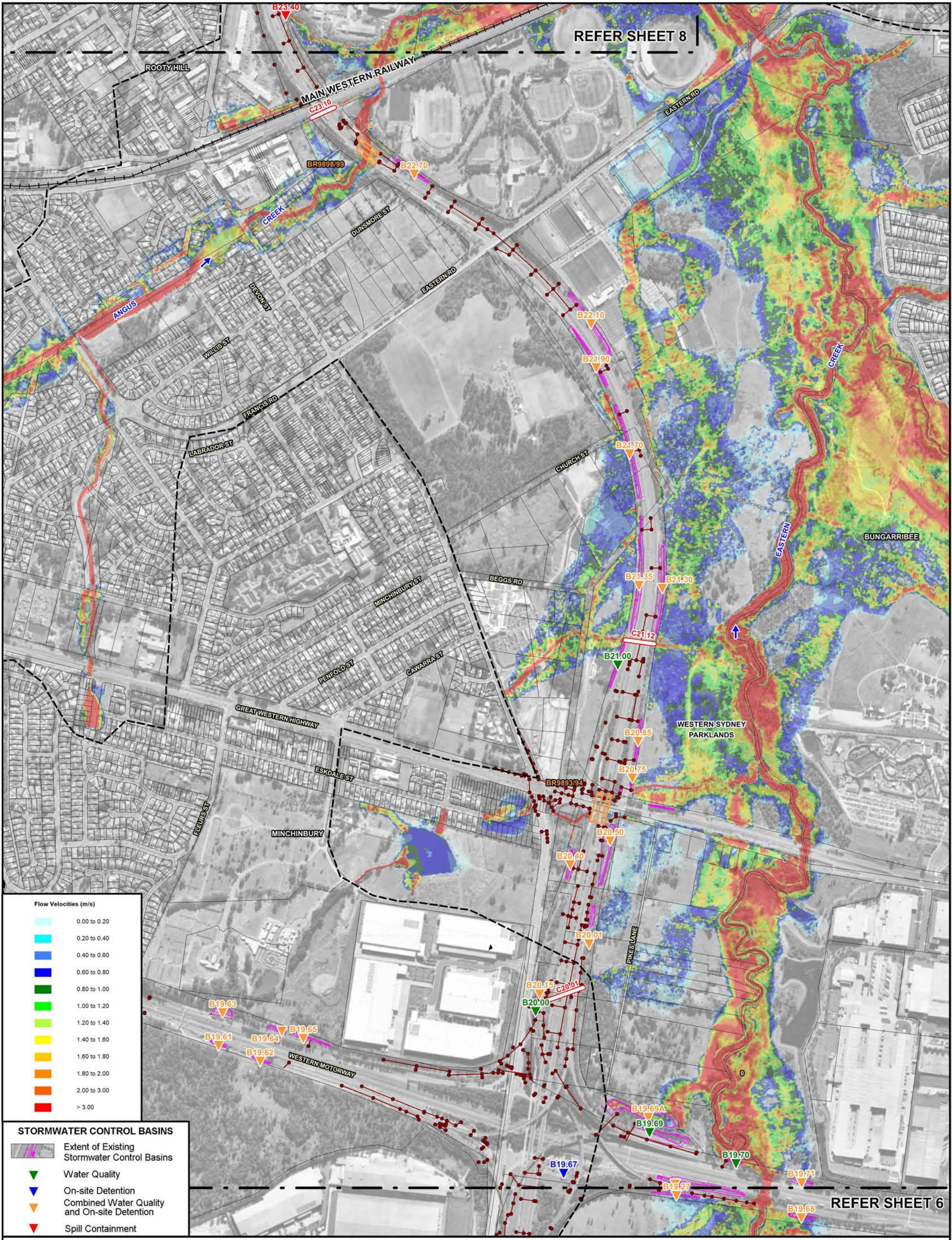
REFER SHEET 5



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Scale: 1:10,000

Lyall & Associates

Figure C.5
(Sheet 6 of 8)



Flow Velocities (m/s)



STORMWATER CONTROL BASINS

- Extent of Existing Stormwater Control Basins
- Water Quality
- On-site Detention
- Combined Water Quality and On-site Detention
- Spill Containment

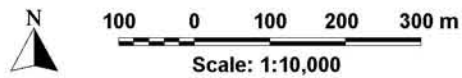
LEGEND

- Extent of Major Catchments
- Existing Bridge Waterway Crossing and Identifier
- Existing M7 Motorway Pit and Pipe Drainage Network
- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

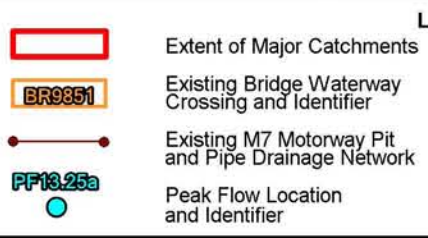
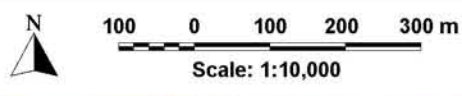
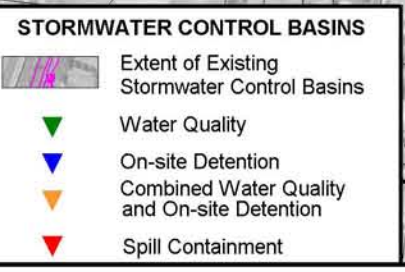
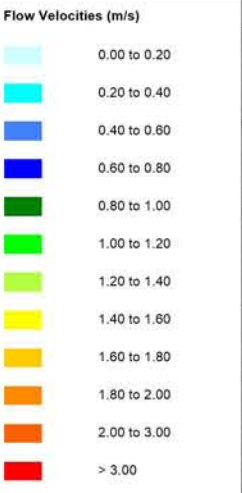
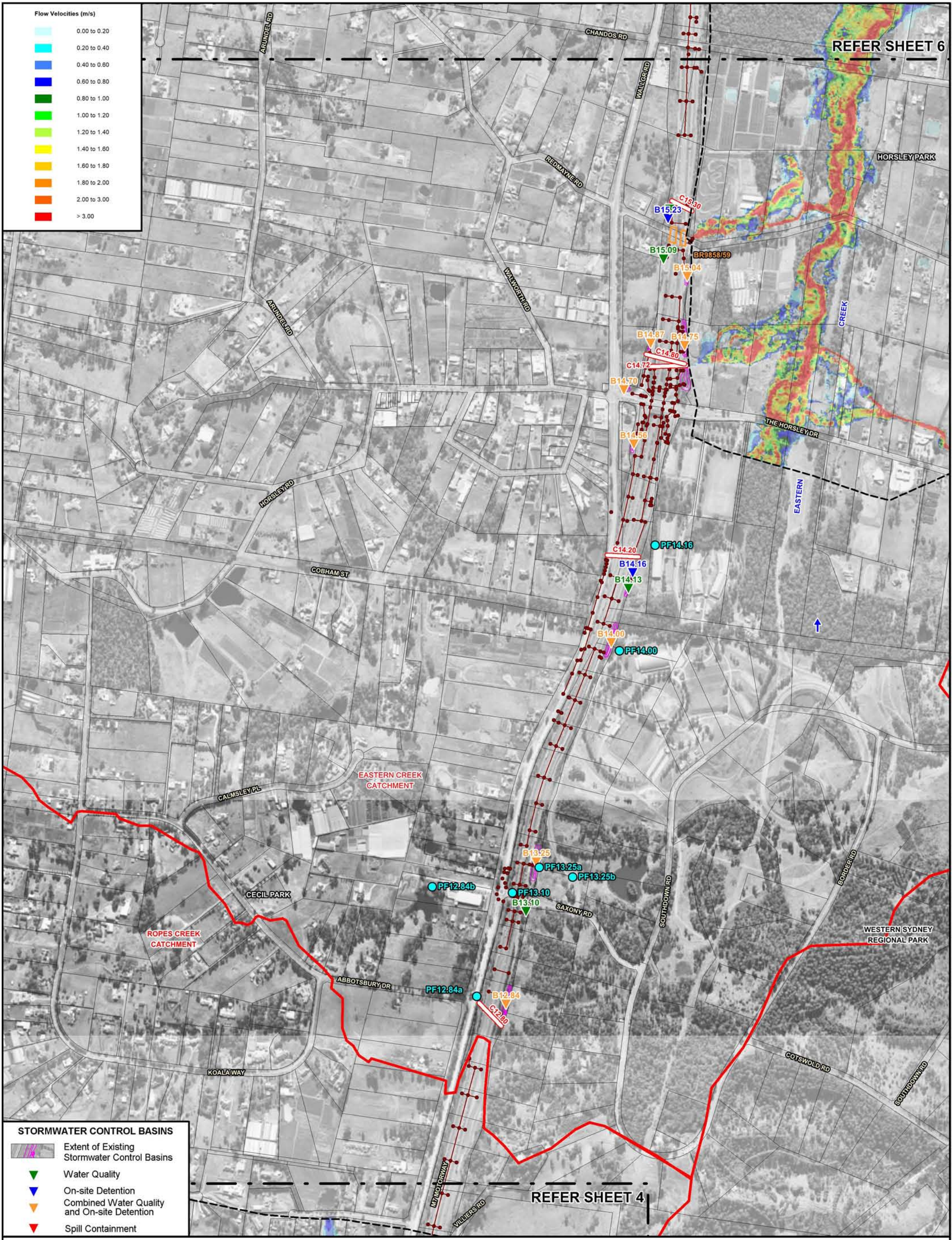
WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT

Figure C.5
(Sheet 7 of 8)

MAXIMUM FLOW VELOCITIES - PRE-PROPOSED MODIFICATION CONDITIONS
1% AEP

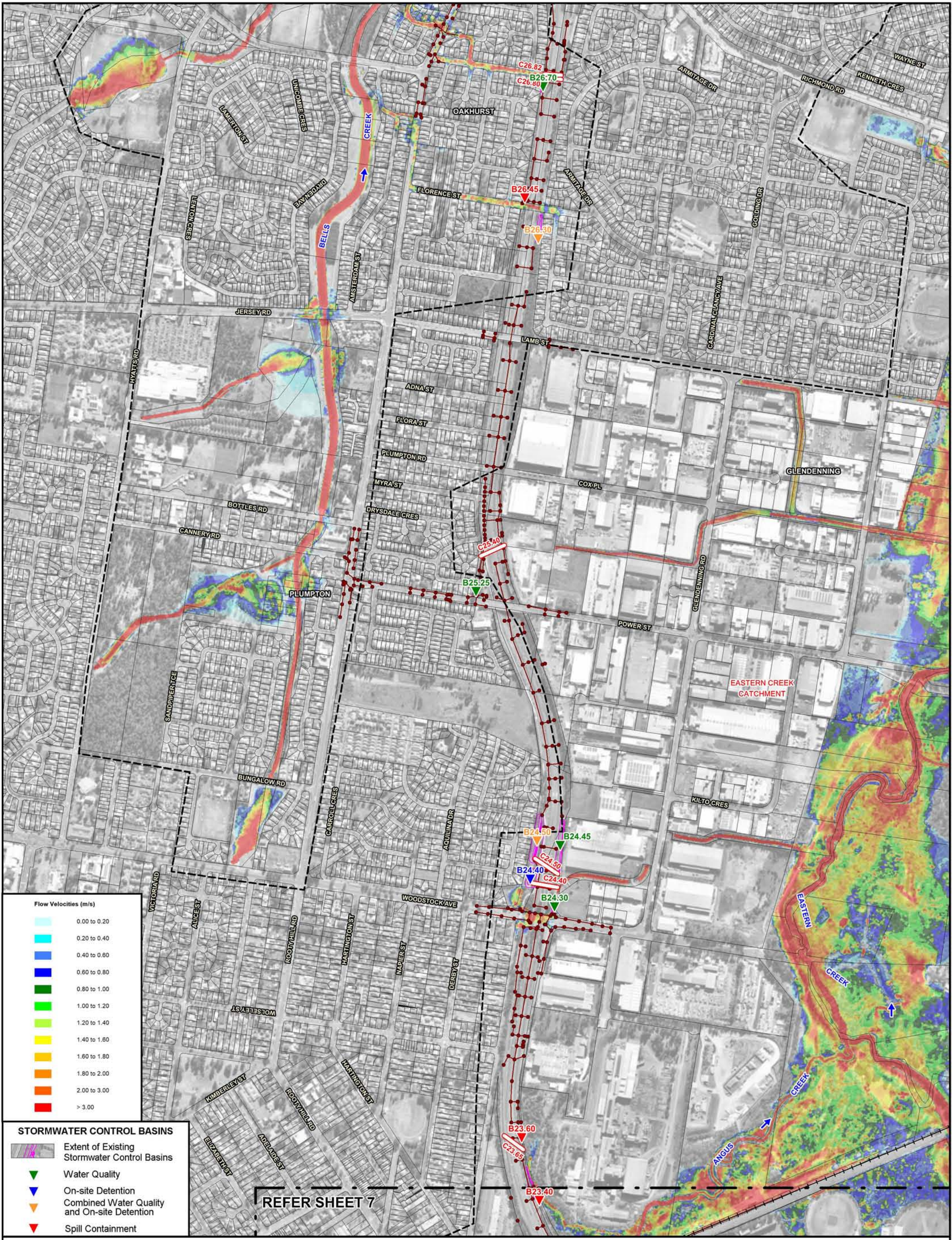


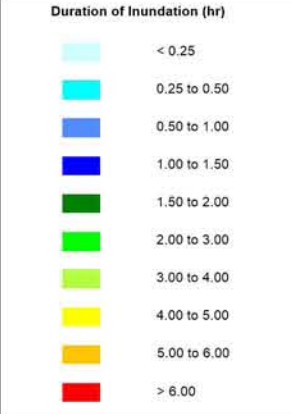
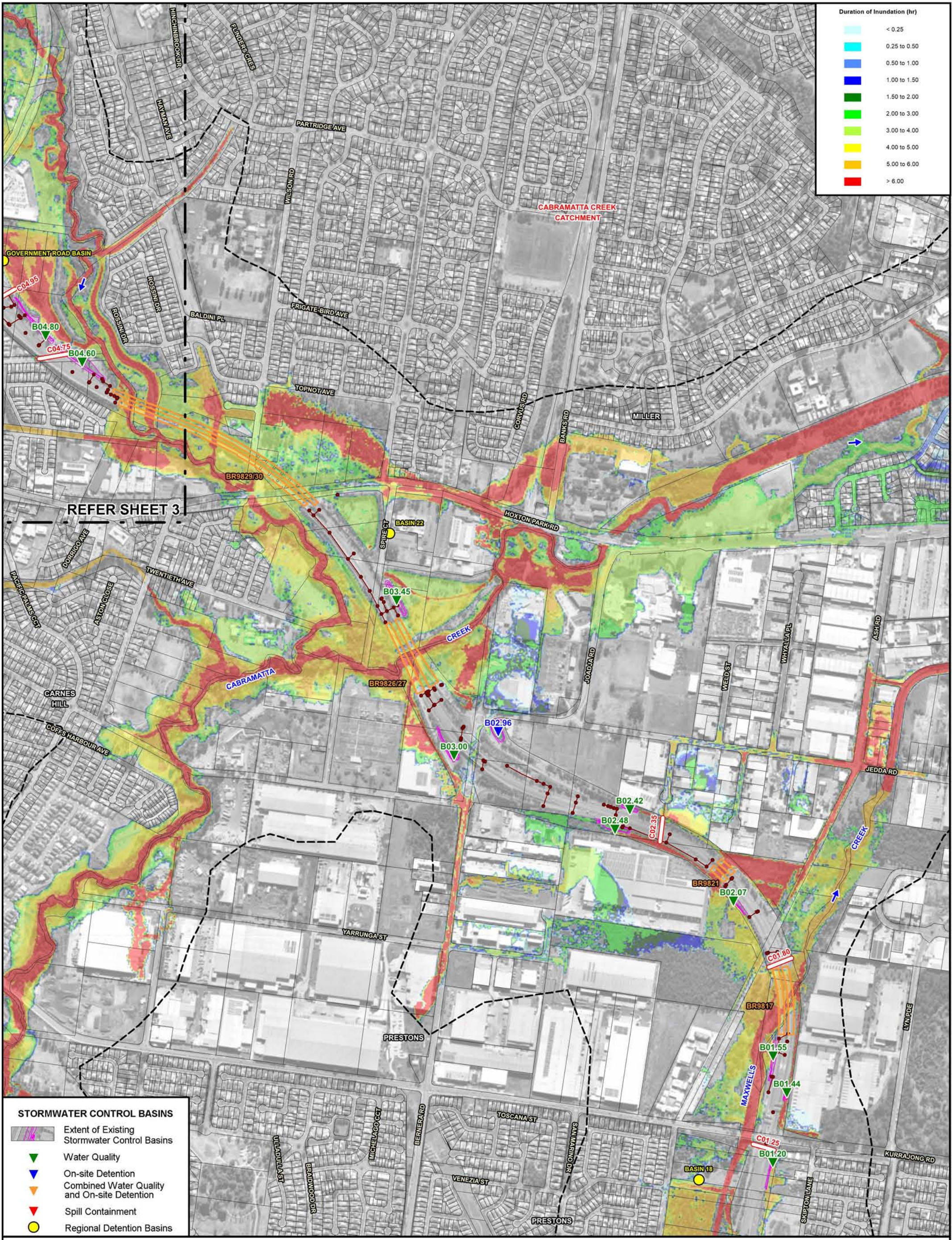
Lyall & Associates



MAXIMUM FLOW VELOCITIES - PRE-PROPOSED MODIFICATION CONDITIONS

1% AEP





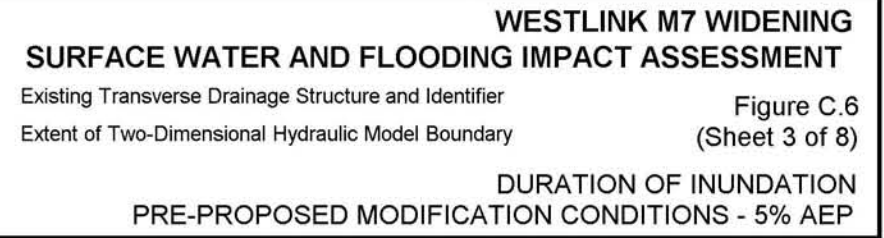
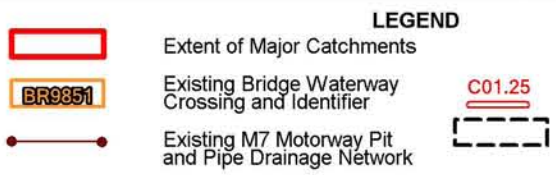
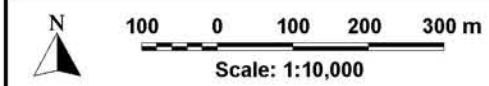
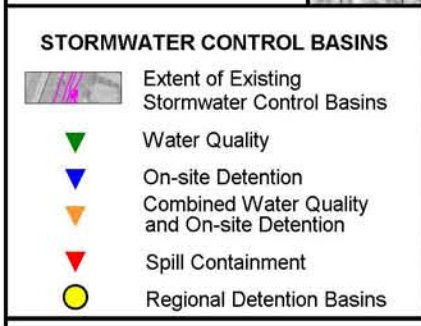
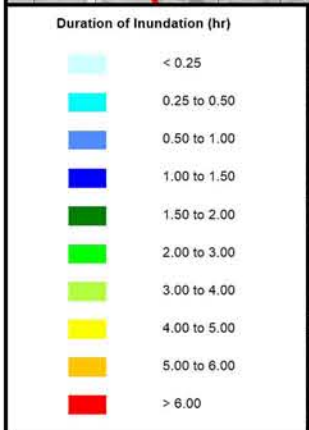
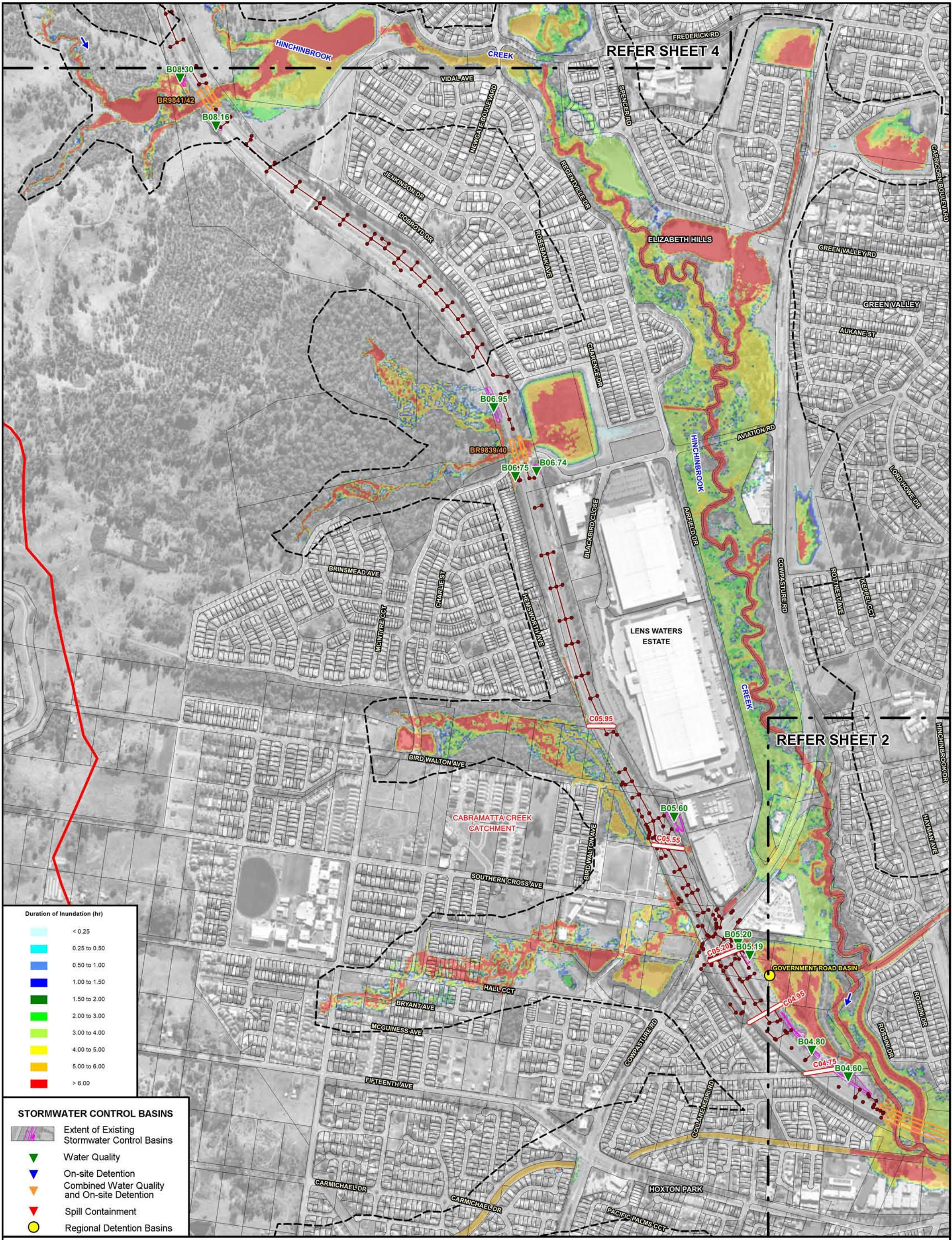
- STORMWATER CONTROL BASINS**
- Extent of Existing Stormwater Control Basins
 - Water Quality
 - On-site Detention
 - Combined Water Quality and On-site Detention
 - Spill Containment
 - Regional Detention Basins

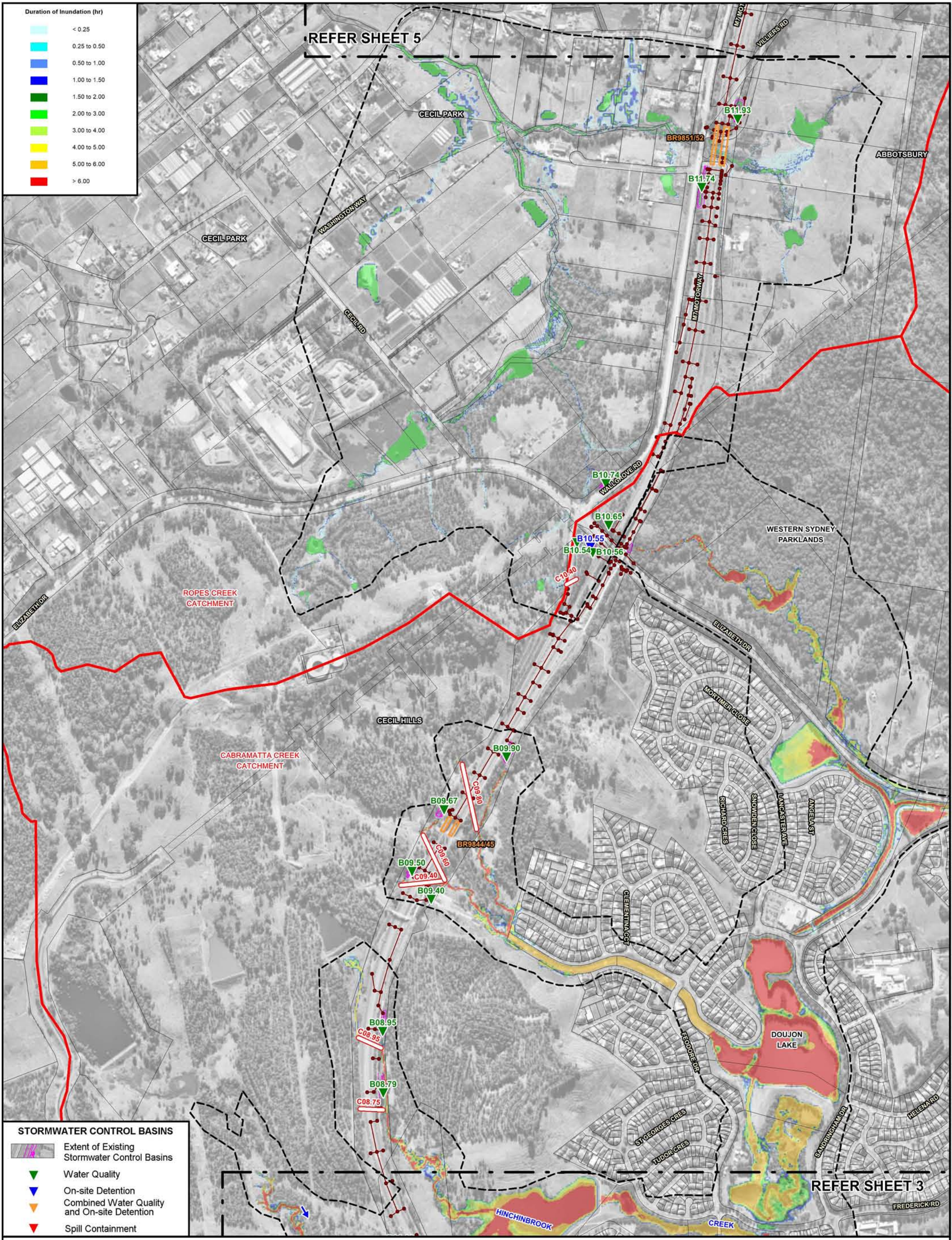
- LEGEND**
- Extent of Major Catchments
 - Existing Bridge Waterway Crossing and Identifier
 - Existing M7 Motorway Pit and Pipe Drainage Network
 - Existing Transverse Drainage Structure and Identifier
 - Extent of Two-Dimensional Hydraulic Model Boundary

**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

Figure C.6
(Sheet 2 of 8)

DURATION OF INUNDATION
PRE-PROPOSED MODIFICATION CONDITIONS - 5% AEP

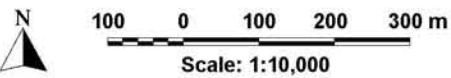
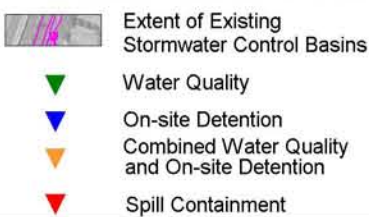




Duration of Inundation (hr)

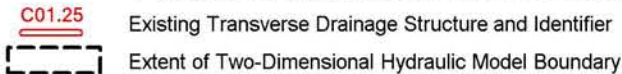
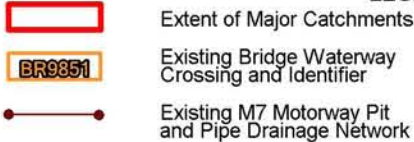


STORMWATER CONTROL BASINS



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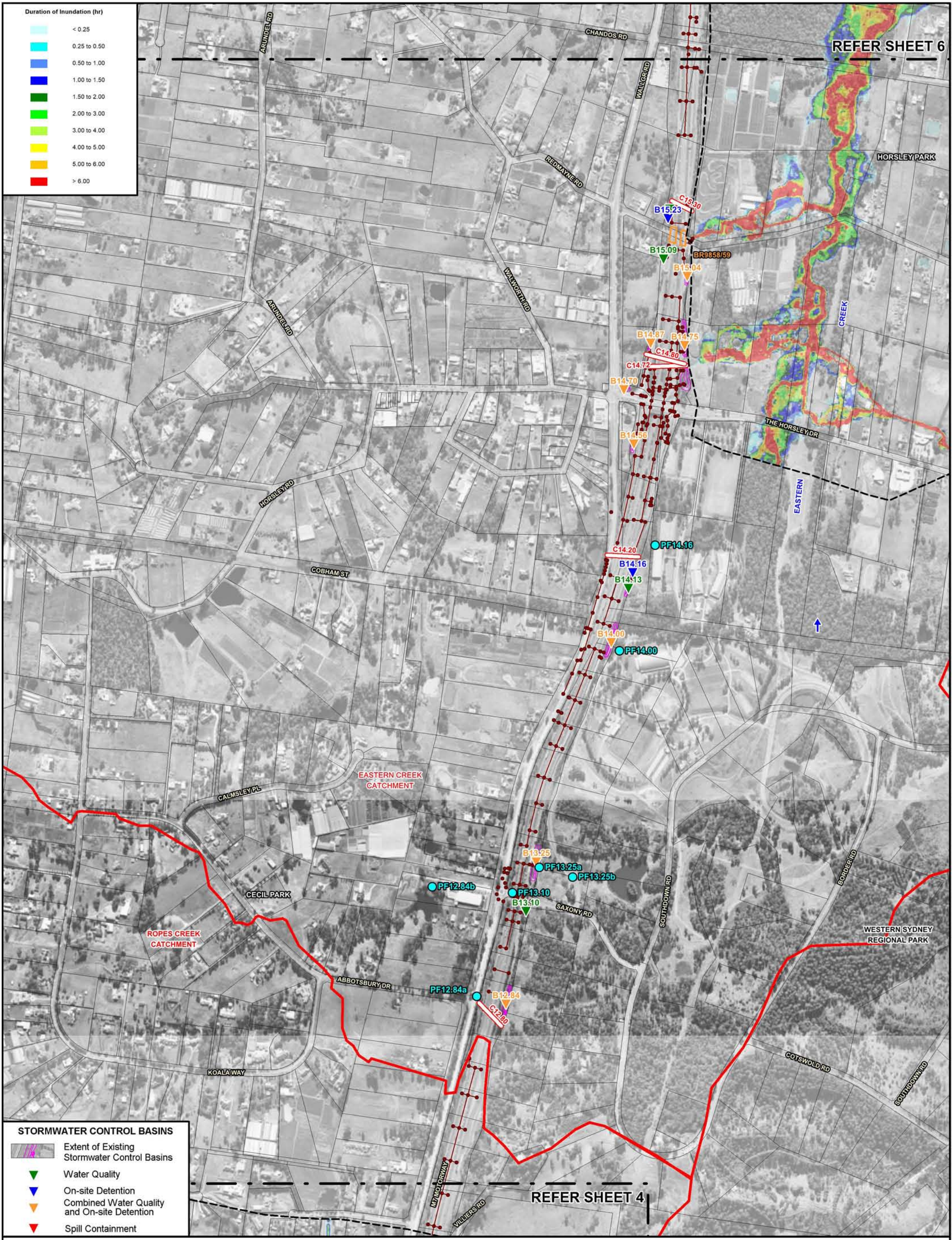
LEGEND



**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

Figure C.6
(Sheet 4 of 8)

DURATION OF INUNDATION
PRE-PROPOSED MODIFICATION CONDITIONS - 5% AEP



STORMWATER CONTROL BASINS

- Extent of Existing Stormwater Control Basins
- Water Quality
- On-site Detention
- Combined Water Quality and On-site Detention
- Spill Containment

N
100 0 100 200 300 m
Scale: 1:10,000

Lyall & Associates

LEGEND

- Extent of Major Catchments
- Existing Bridge Waterway Crossing and Identifier
- Existing M7 Motorway Pit and Pipe Drainage Network
- Peak Flow Location and Identifier

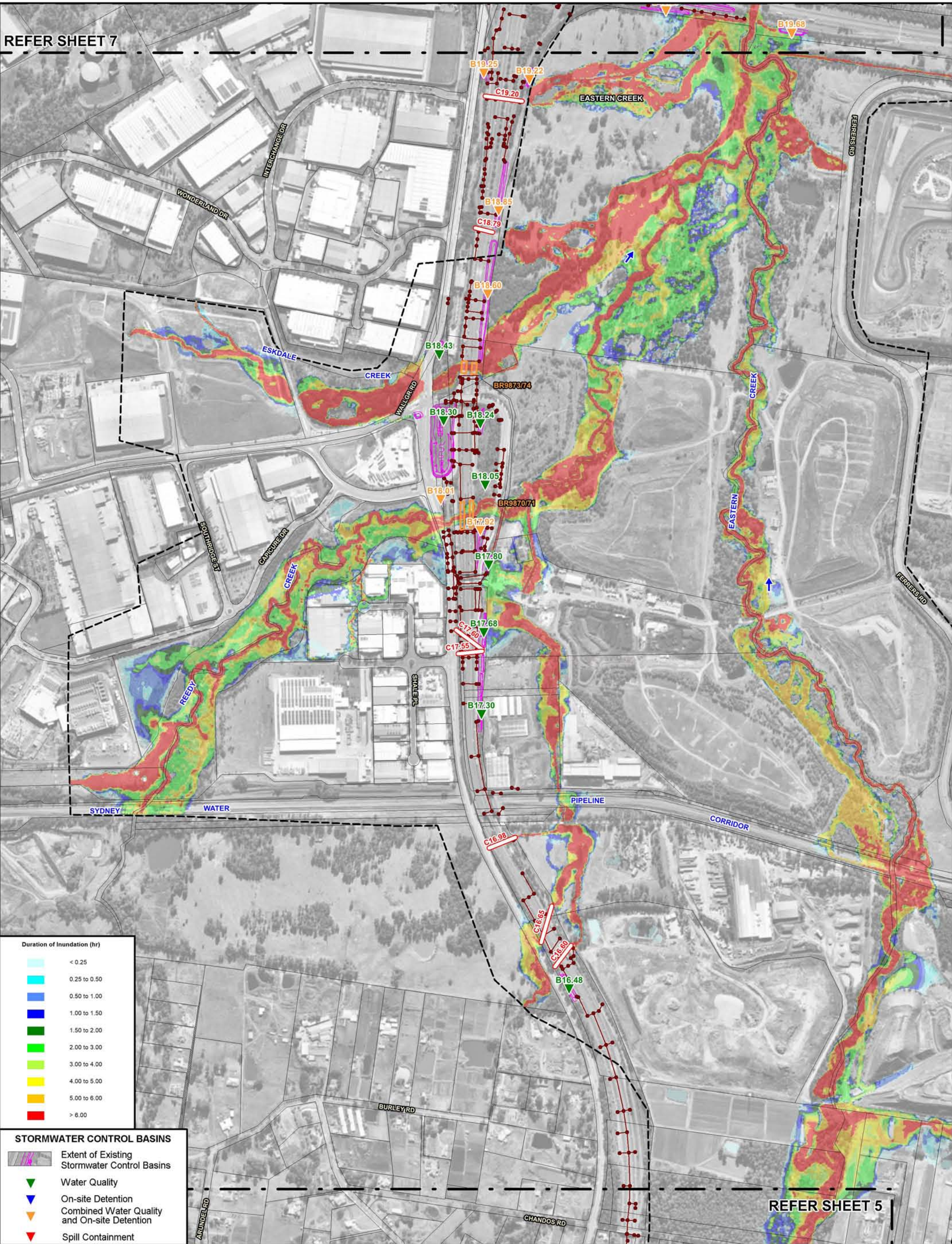
**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

- C01.25 Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

**DURATION OF INUNDATION
PRE-PROPOSED MODIFICATION CONDITIONS - 5% AEP**

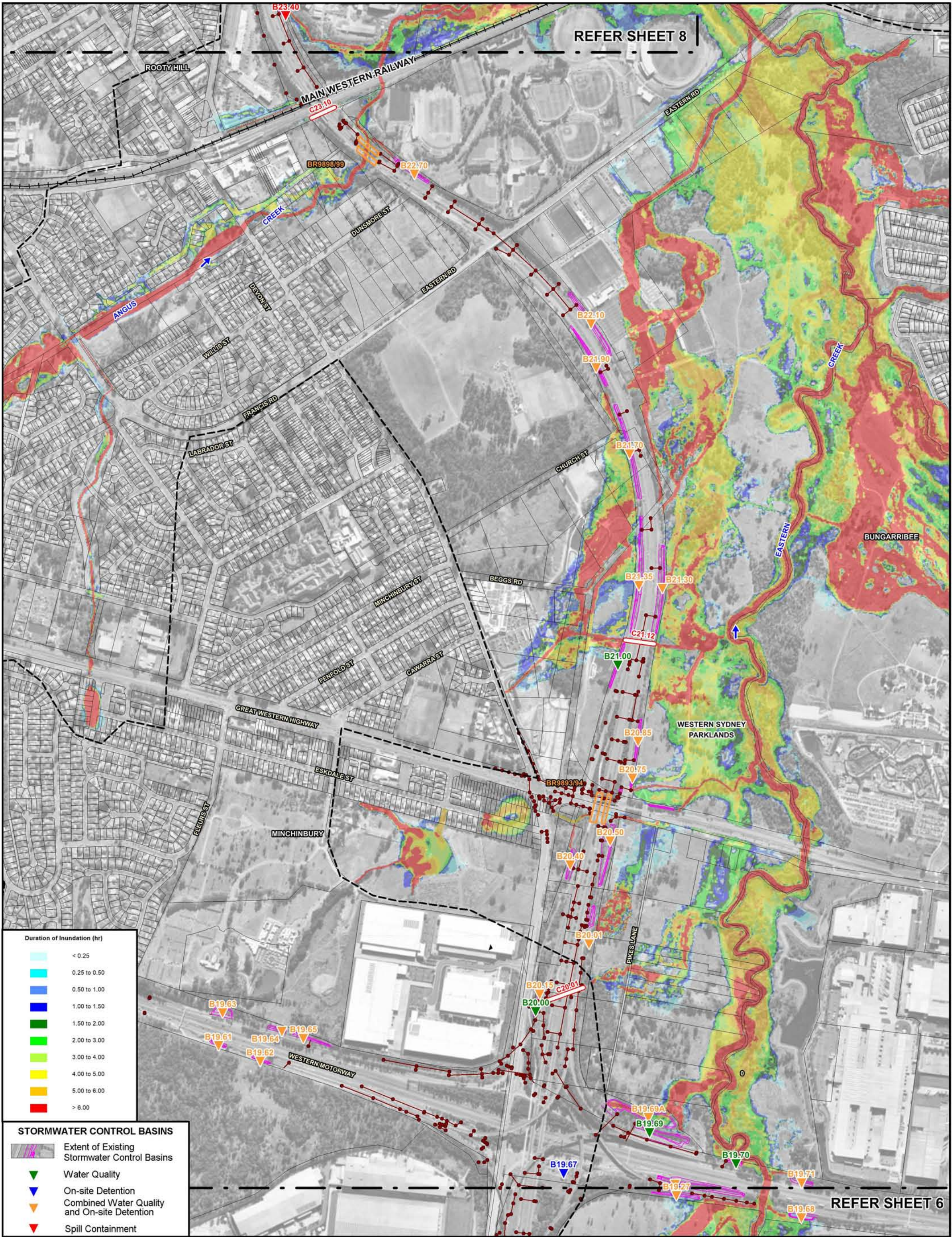
Figure C.6
(Sheet 5 of 8)

REFER SHEET 7



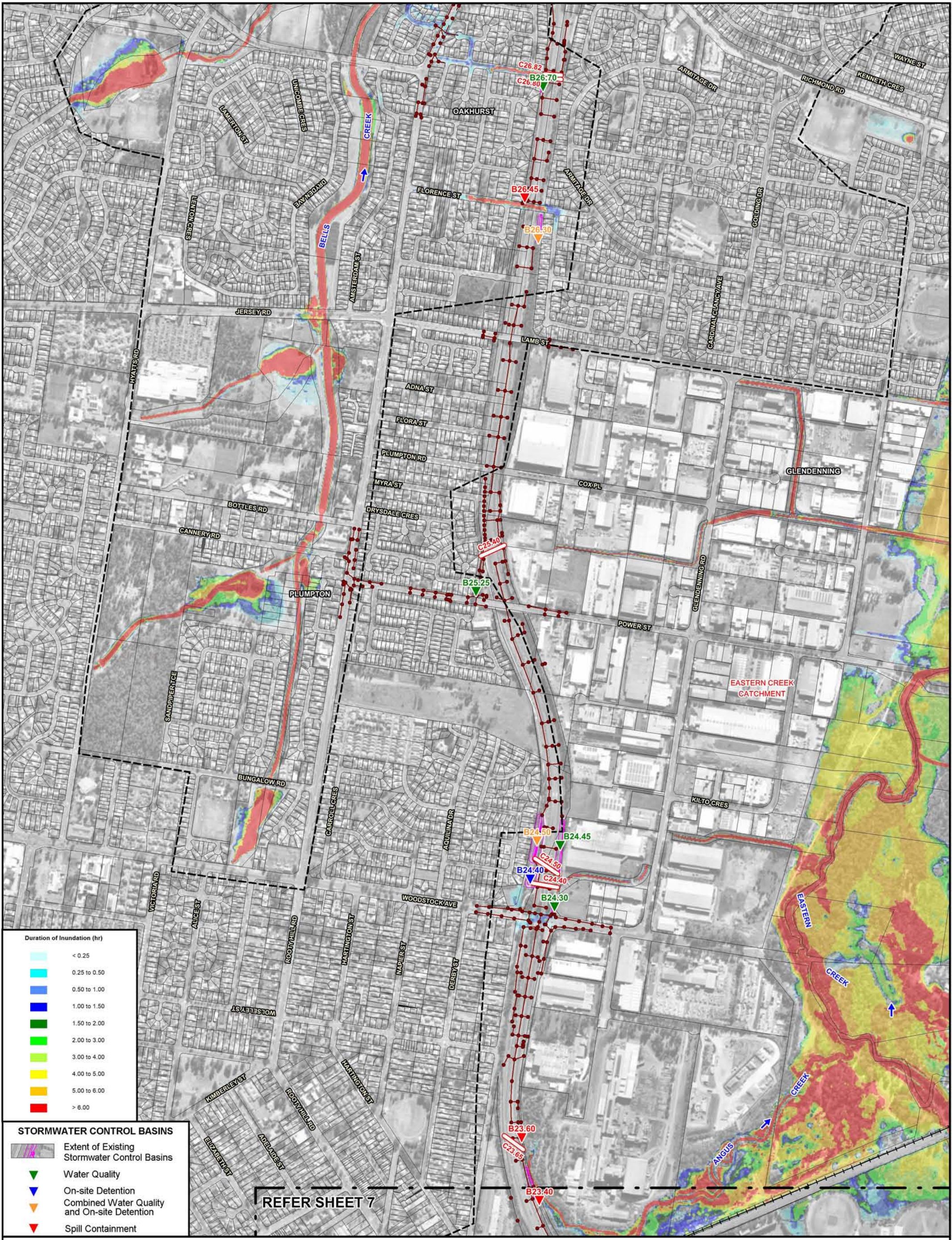
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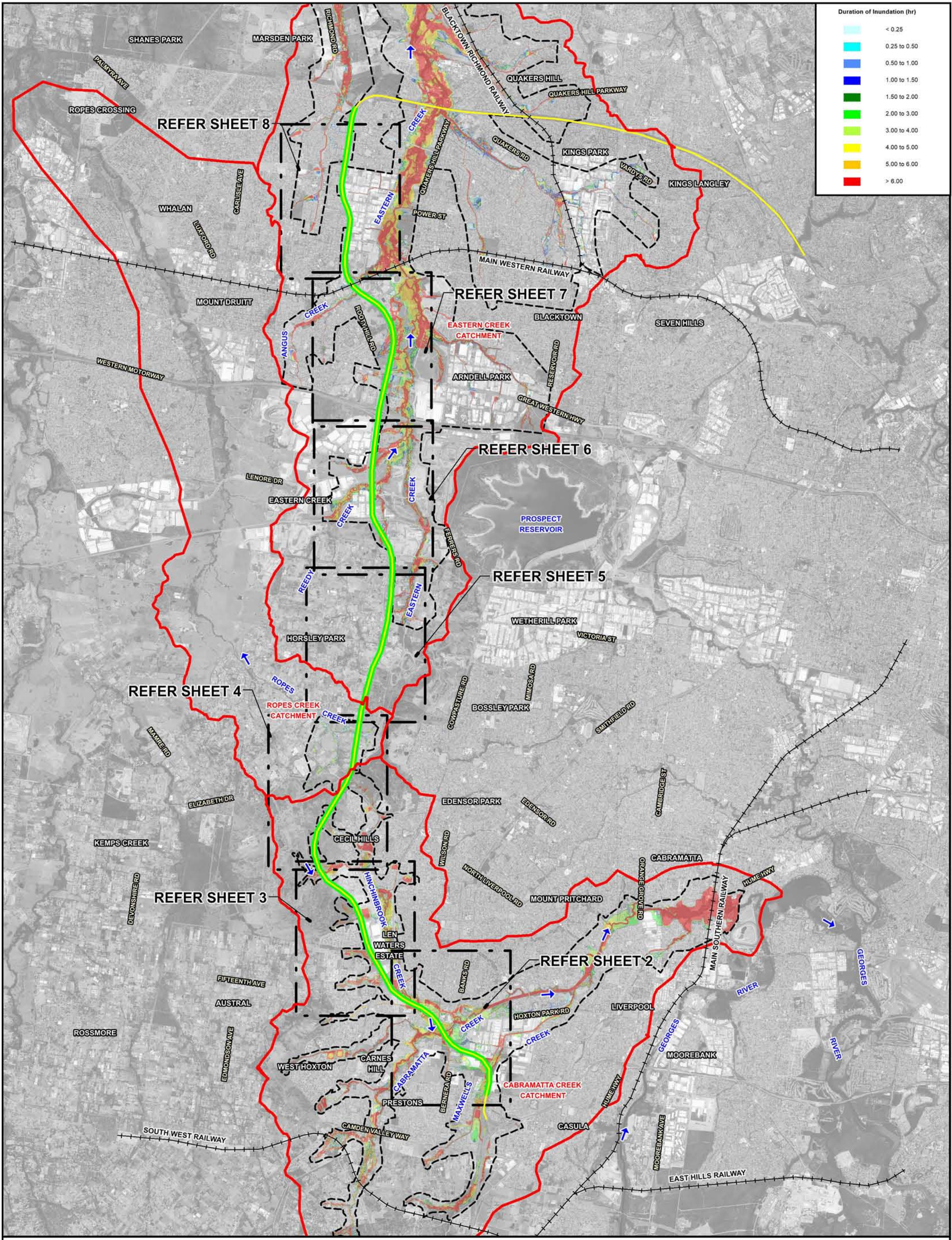
Lyall & Associates



Scale: 1:10,000

Lyall & Associates





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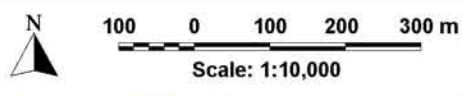
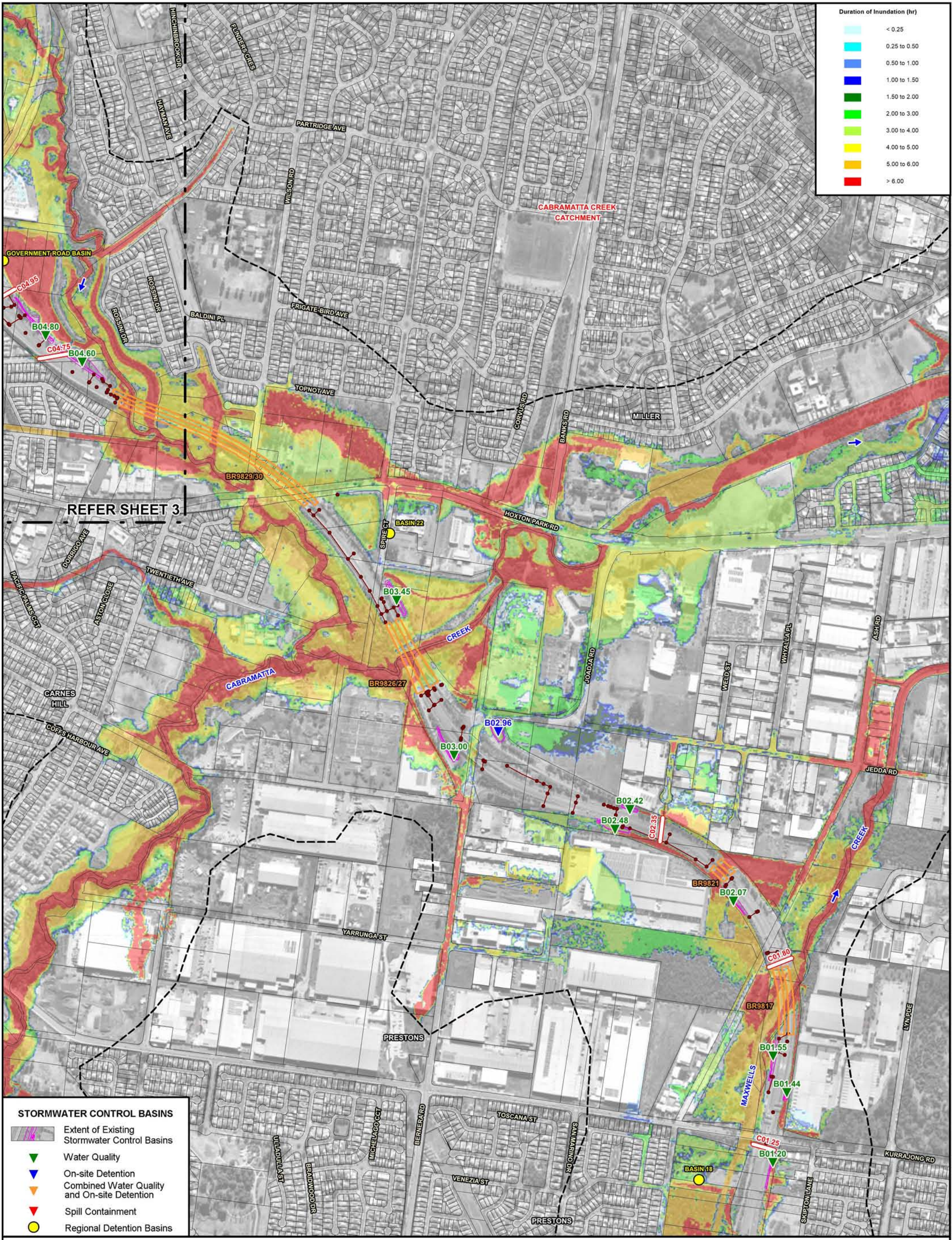


- LEGEND
- Extent of Major Catchments
 - Extent of Two-Dimensional Hydraulic Model Boundary
 - Extent of M7 Motorway Widening
 - M7 Motorway

WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT

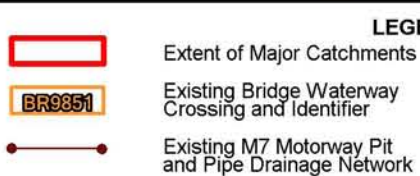
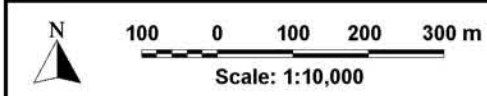
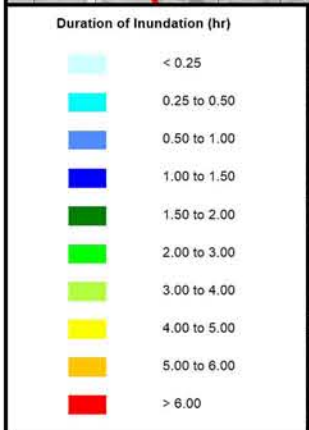
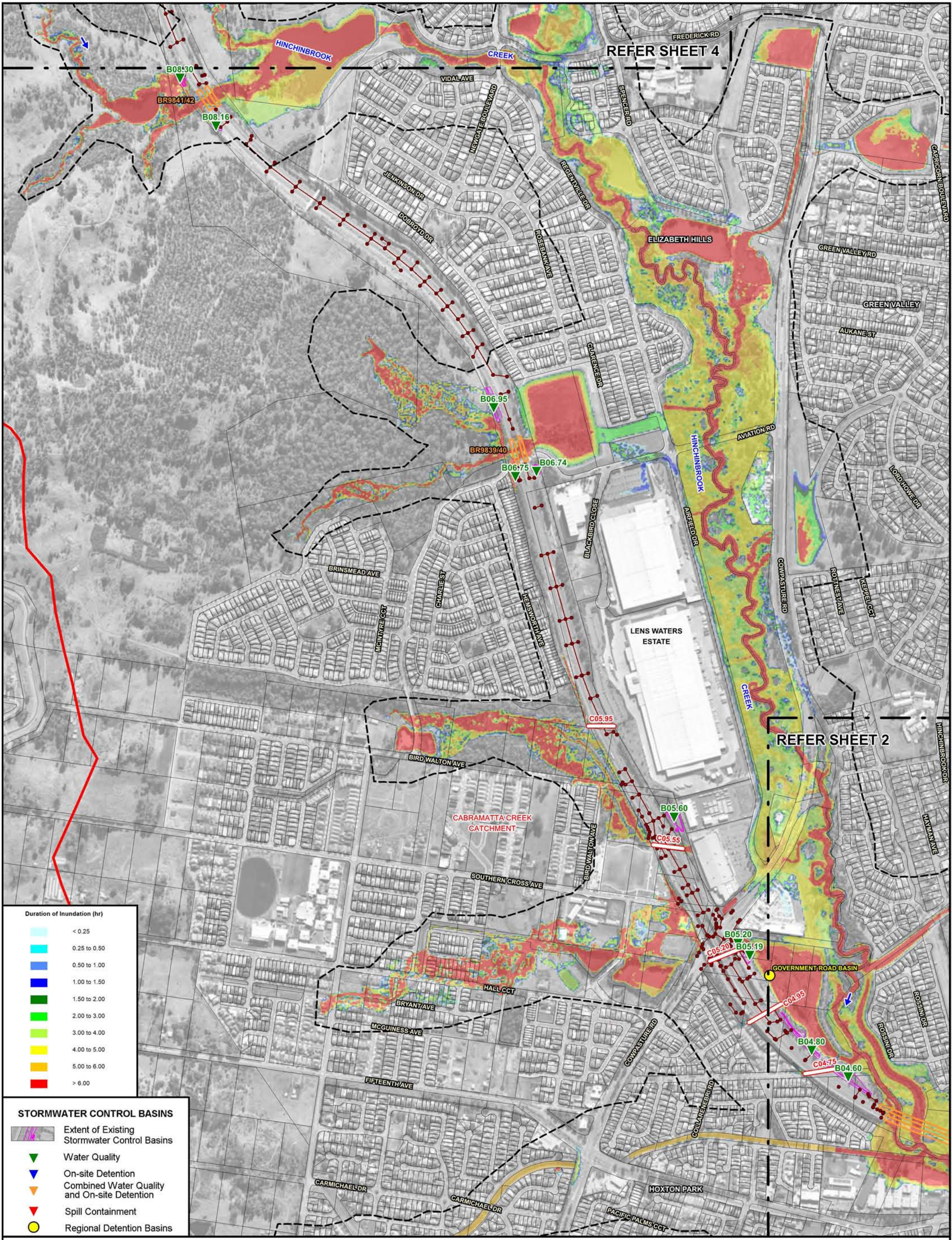
Figure C.7
(Sheet 1 of 8)

DURATION OF INUNDATION
PRE-PROPOSED MODIFICATION CONDITIONS - 1% AEP



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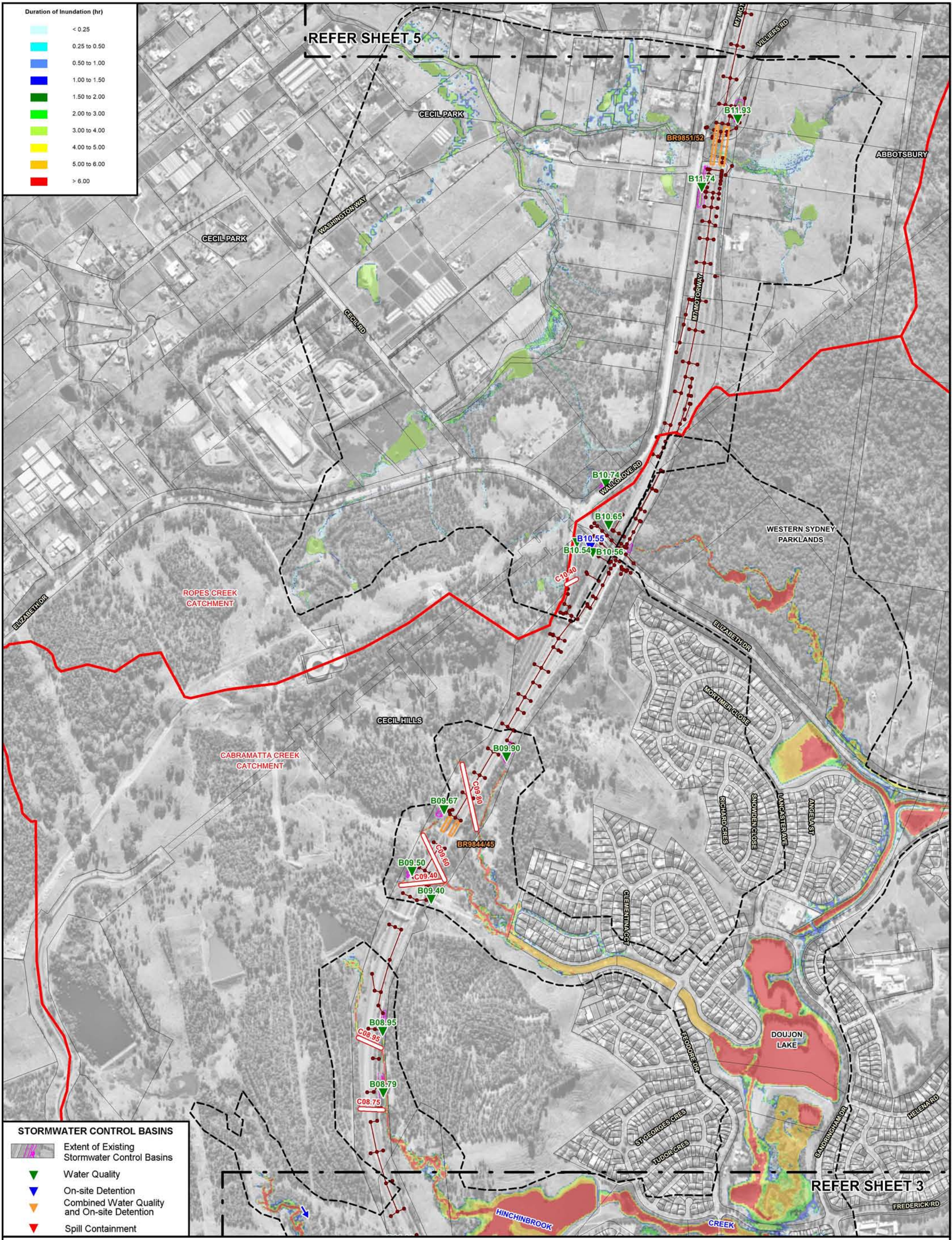
Figure C.7 (Sheet 2 of 8)



**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

Figure C.7
(Sheet 3 of 8)

DURATION OF INUNDATION
PRE-PROPOSED MODIFICATION CONDITIONS - 1% AEP



STORMWATER CONTROL BASINS

- Extent of Existing Stormwater Control Basins
- Water Quality
- On-site Detention
- Combined Water Quality and On-site Detention
- Spill Containment

N
100 0 100 200 300 m
Scale: 1:10,000

Lyall & Associates

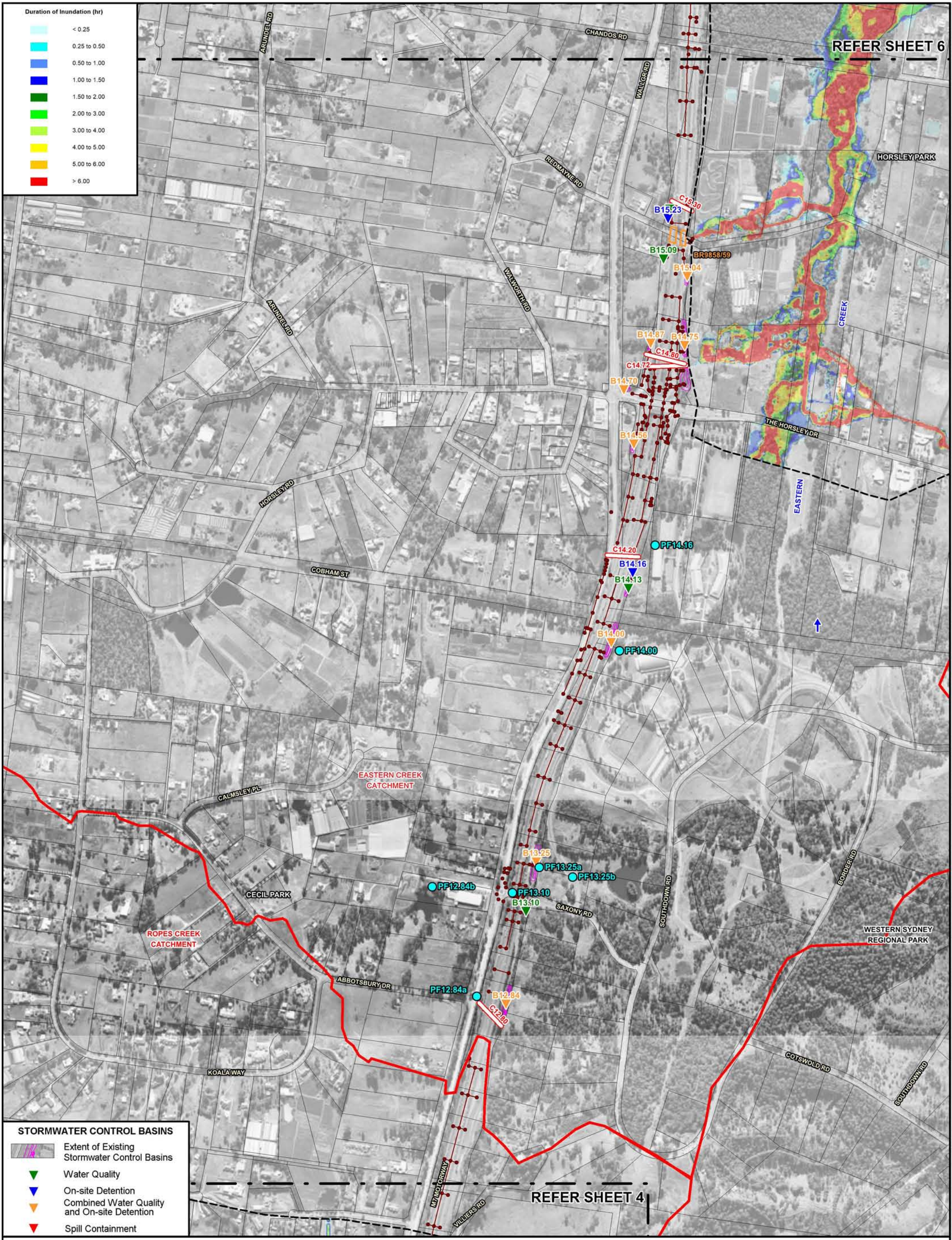
LEGEND

- Extent of Major Catchments
- Existing Bridge Waterway Crossing and Identifier
- Existing M7 Motorway Pit and Pipe Drainage Network
- C01.25
- Extent of Two-Dimensional Hydraulic Model Boundary

**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

Figure C.7
(Sheet 4 of 8)

**DURATION OF INUNDATION
PRE-PROPOSED MODIFICATION CONDITIONS - 1% AEP**



STORMWATER CONTROL BASINS

- Extent of Existing Stormwater Control Basins
- Water Quality
- On-site Detention
- Combined Water Quality and On-site Detention
- Spill Containment

LEGEND

- Extent of Major Catchments
- Existing Bridge Waterway Crossing and Identifier
- Existing M7 Motorway Pit and Pipe Drainage Network
- Peak Flow Location and Identifier
- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

Figure C.7
(Sheet 5 of 8)

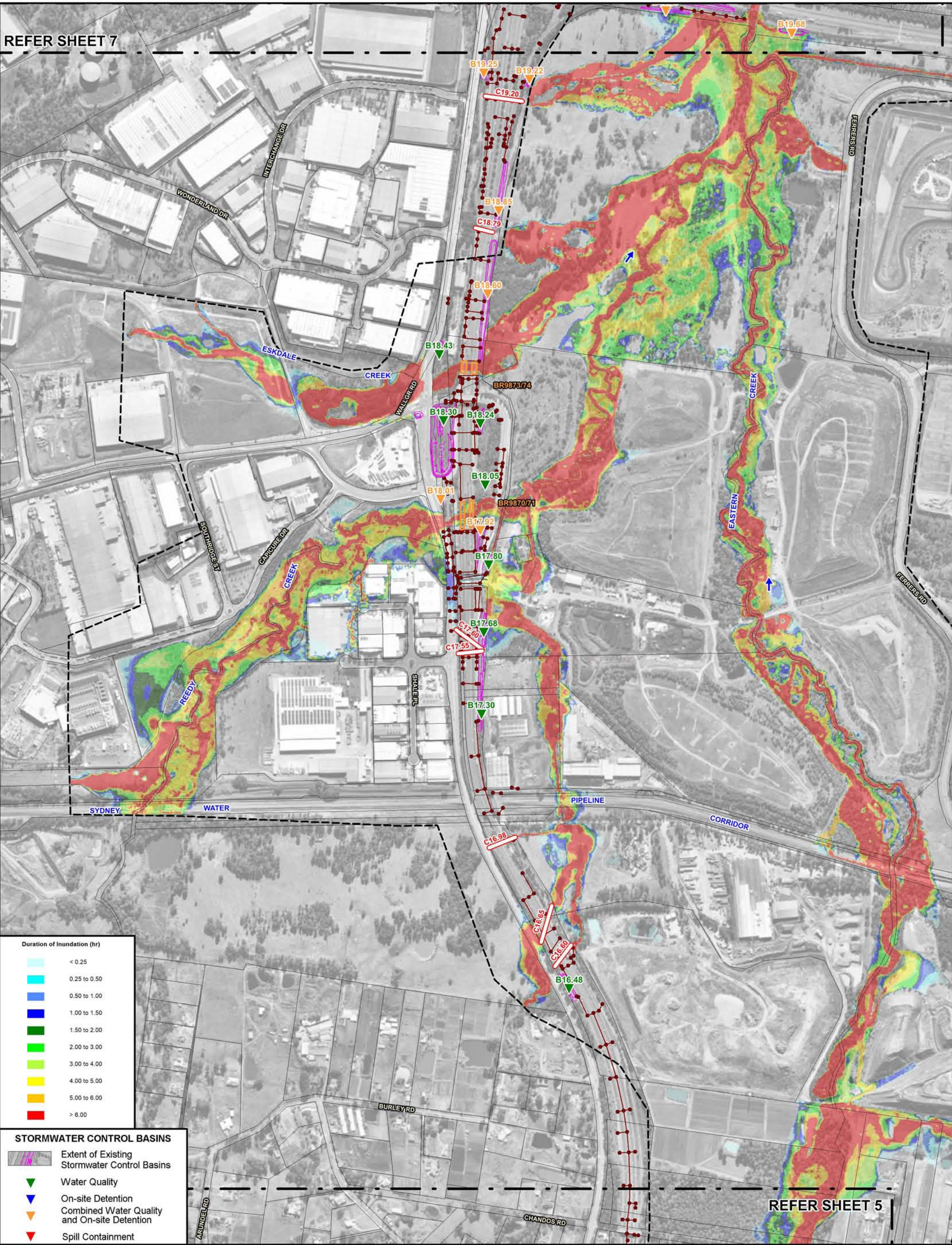
**DURATION OF INUNDATION
PRE-PROPOSED MODIFICATION CONDITIONS - 1% AEP**

Scale: 1:10,000

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Lyall & Associates

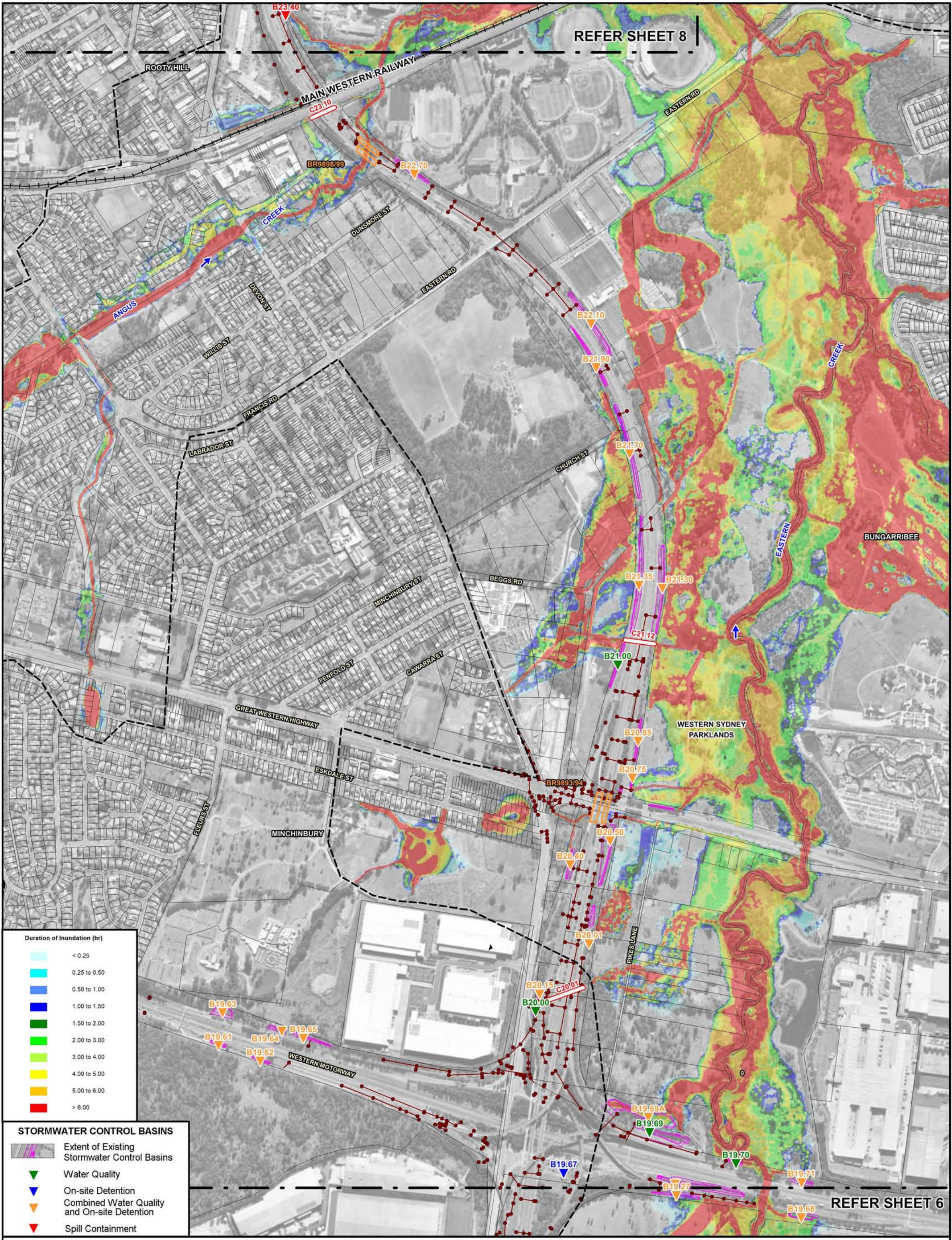
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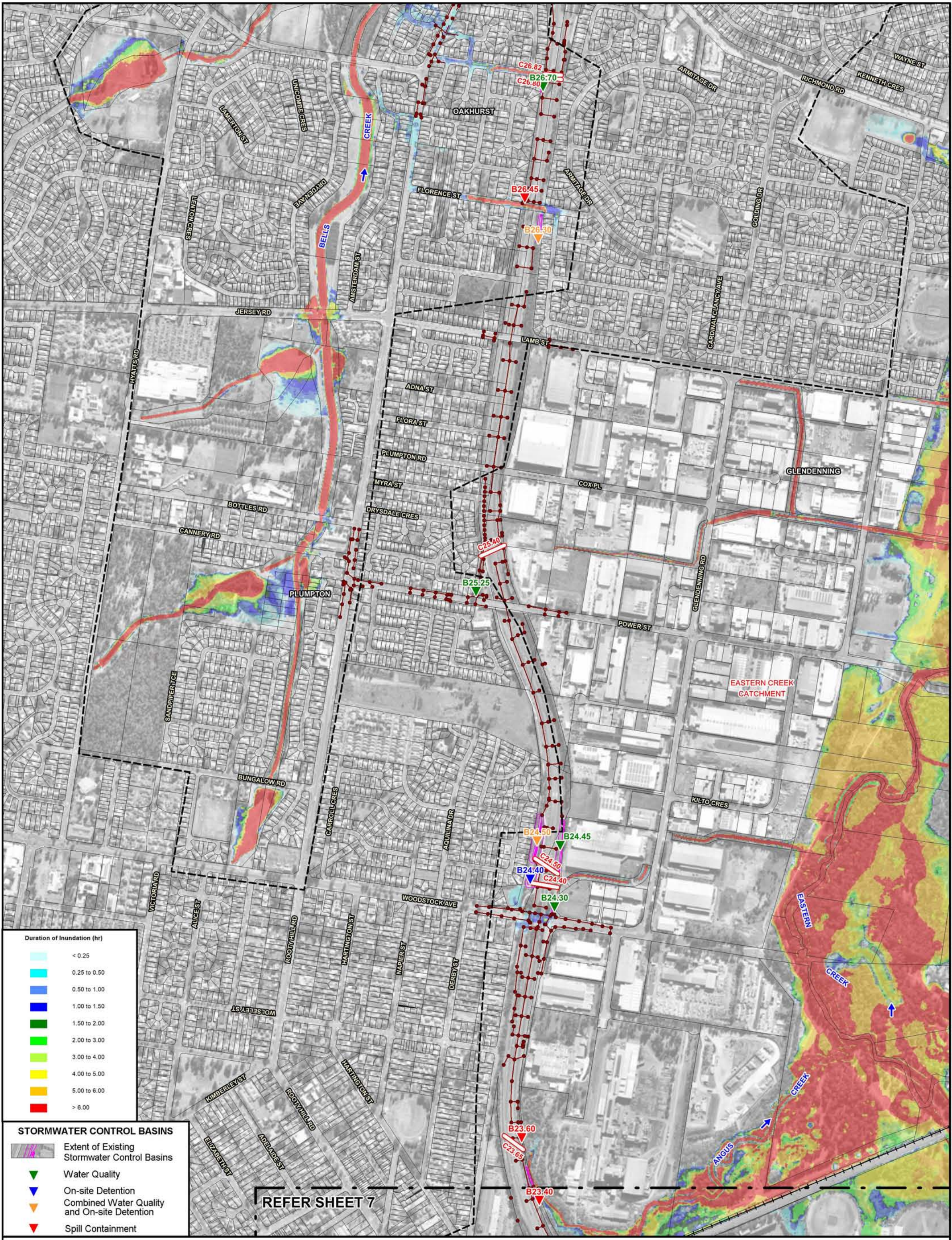


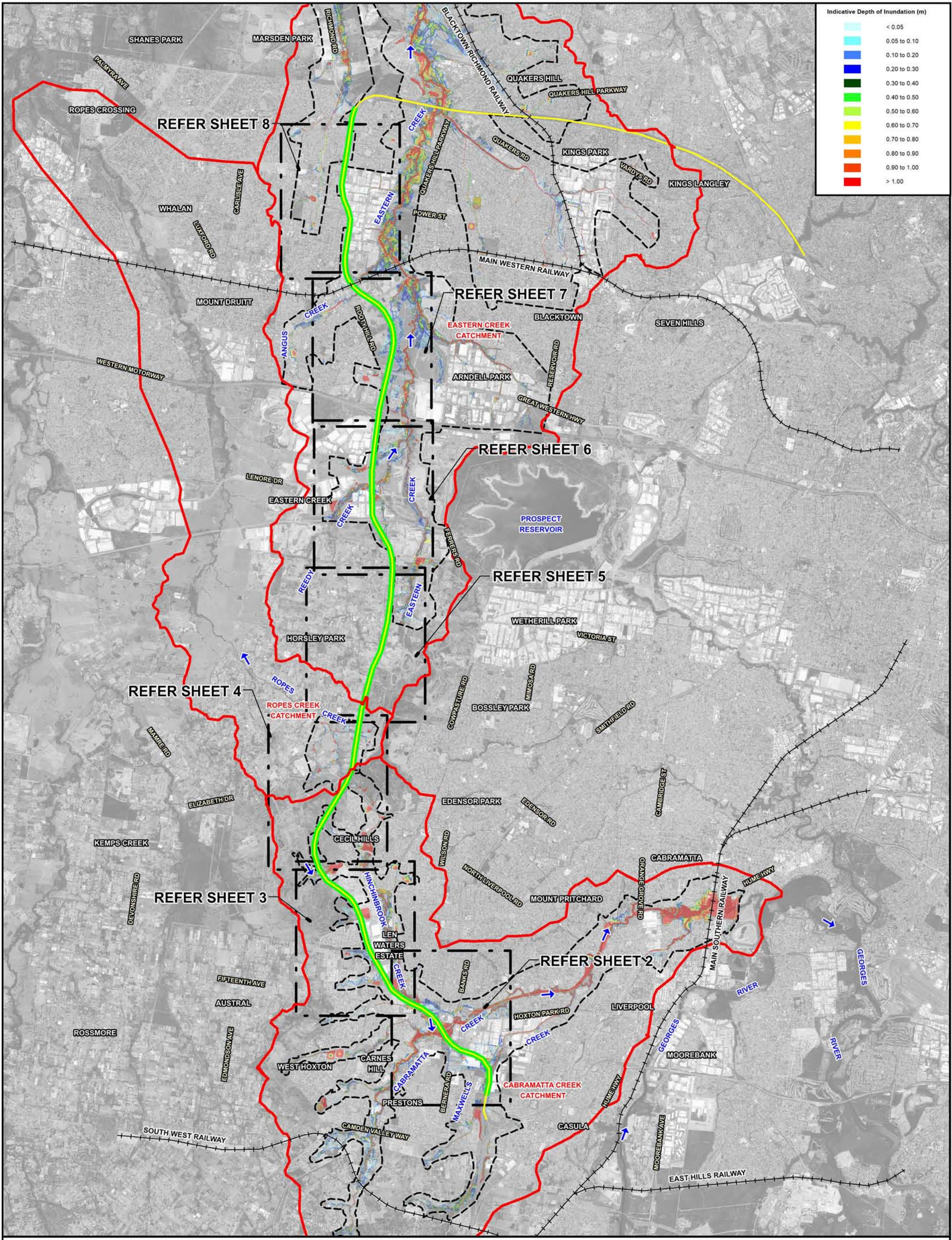
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Lyall & Associates

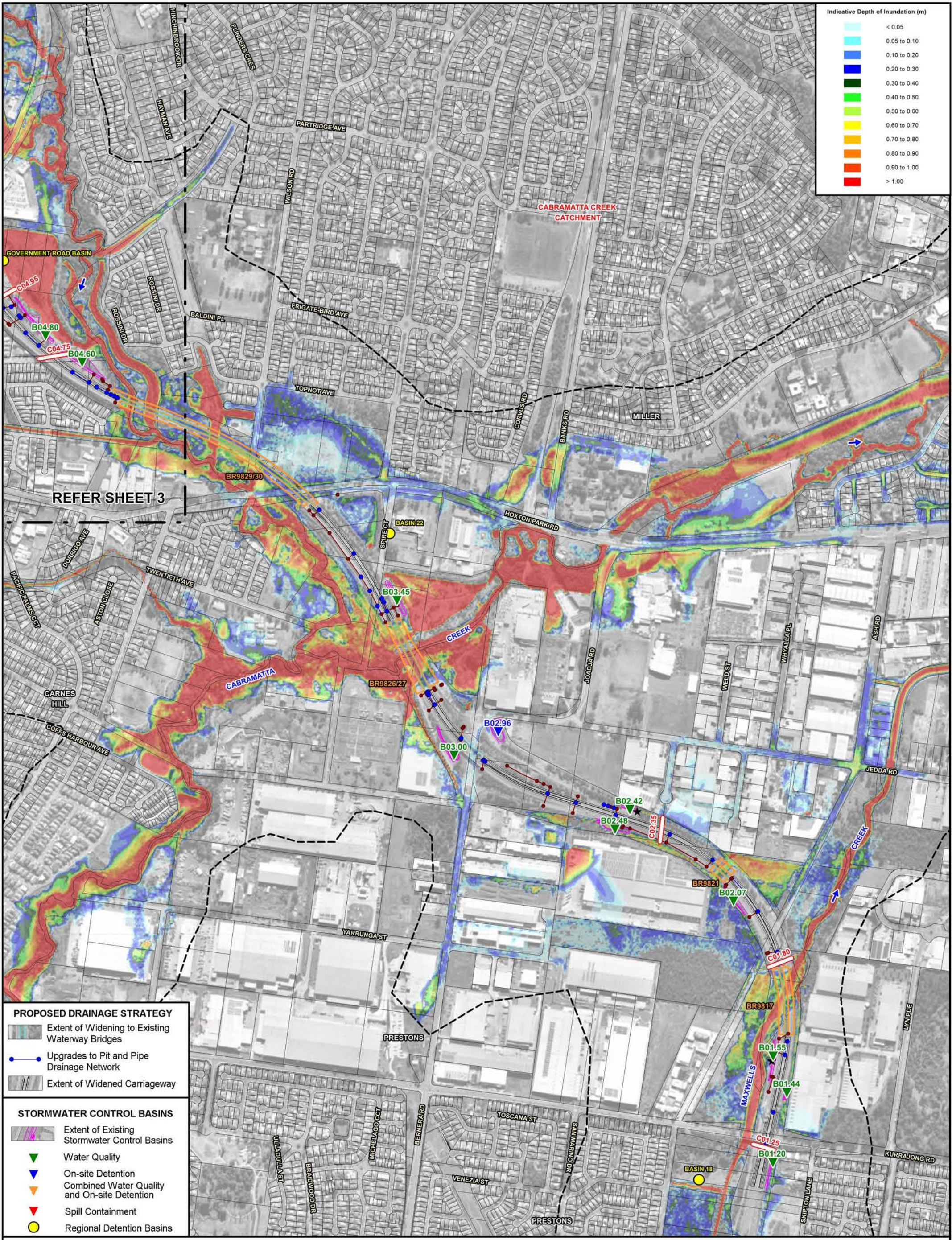




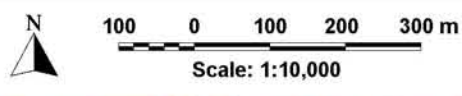


**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

**Figure C.8
(Sheet 1 of 8)**
**PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW
POST-PROPOSED MODIFICATION CONDITIONS - 20% AEP**



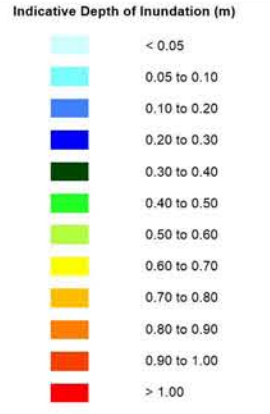
- PROPOSED DRAINAGE STRATEGY**
- Extent of Widening to Existing Waterway Bridges
 - Upgrades to Pit and Pipe Drainage Network
 - Extent of Widened Carriageway
- STORMWATER CONTROL BASINS**
- Extent of Existing Stormwater Control Basins
 - Water Quality
 - On-site Detention
 - Combined Water Quality and On-site Detention
 - Spill Containment
 - Regional Detention Basins



- LEGEND**
- Extent of Major Catchments
 - Existing Bridge Waterway Crossing and Identifier
 - Existing M7 Motorway Pit and Pipe Drainage Network

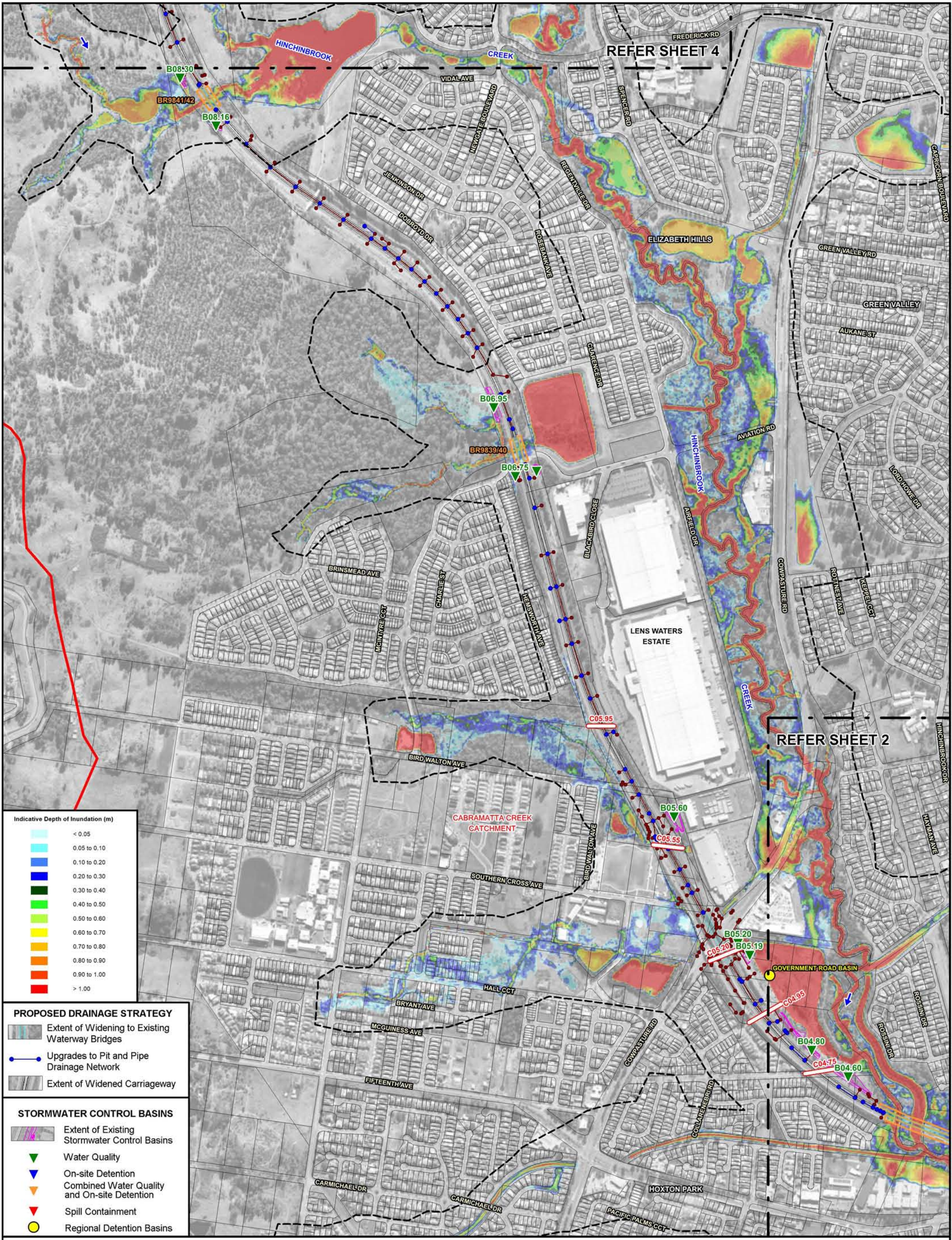
- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW POST-PROPOSED MODIFICATION CONDITIONS - 20% AEP



WESTLINK M7 WIDENING SURFACE WATER AND FLOODING IMPACT ASSESSMENT

Figure C.8 (Sheet 2 of 8)



Scale: 1:10,000

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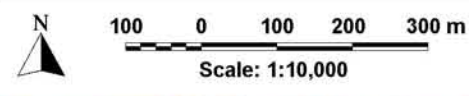
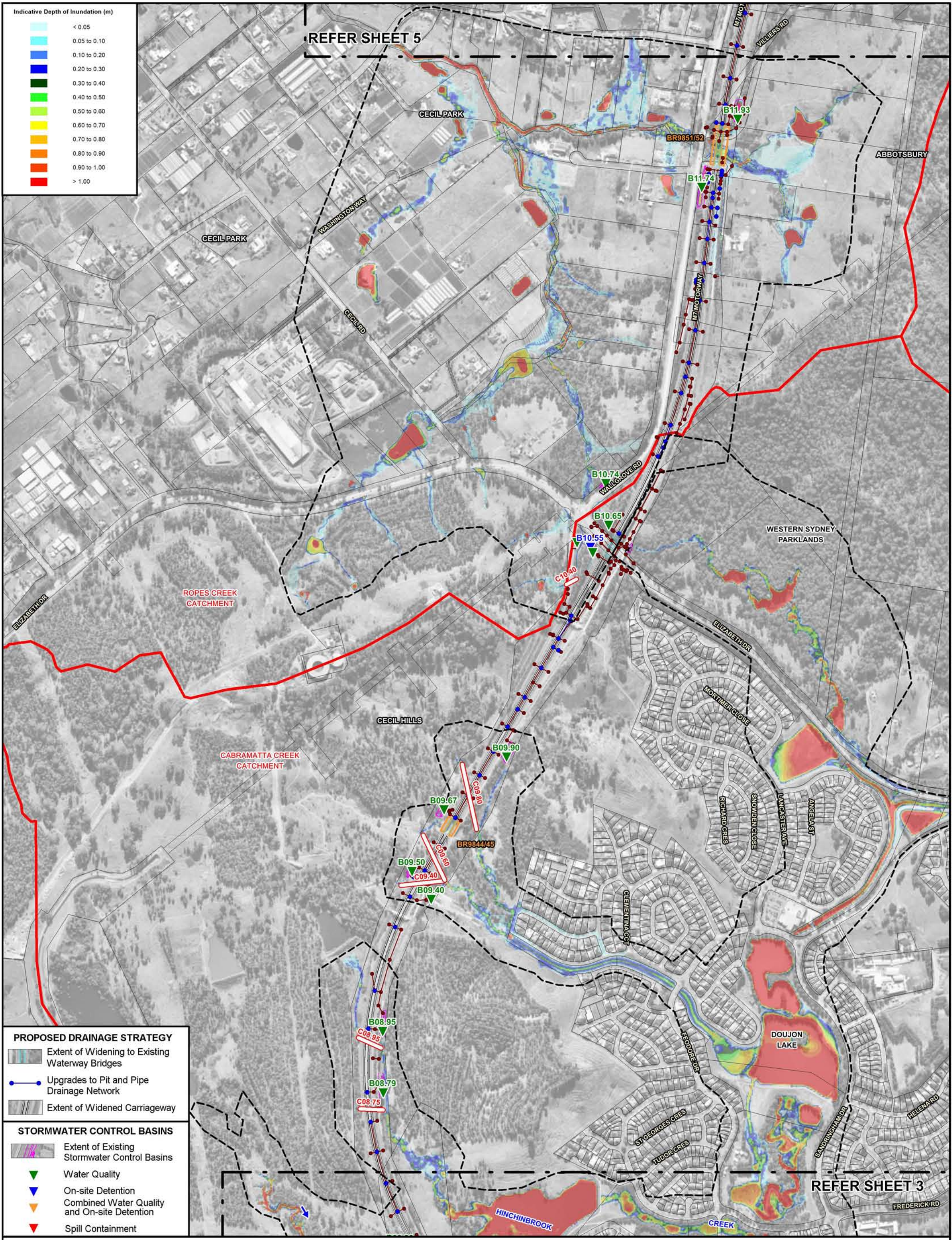
LEGEND
Extent of Major Catchments
Existing Bridge Waterway Crossing and Identifier
Existing M7 Motorway Pit and Pipe Drainage Network

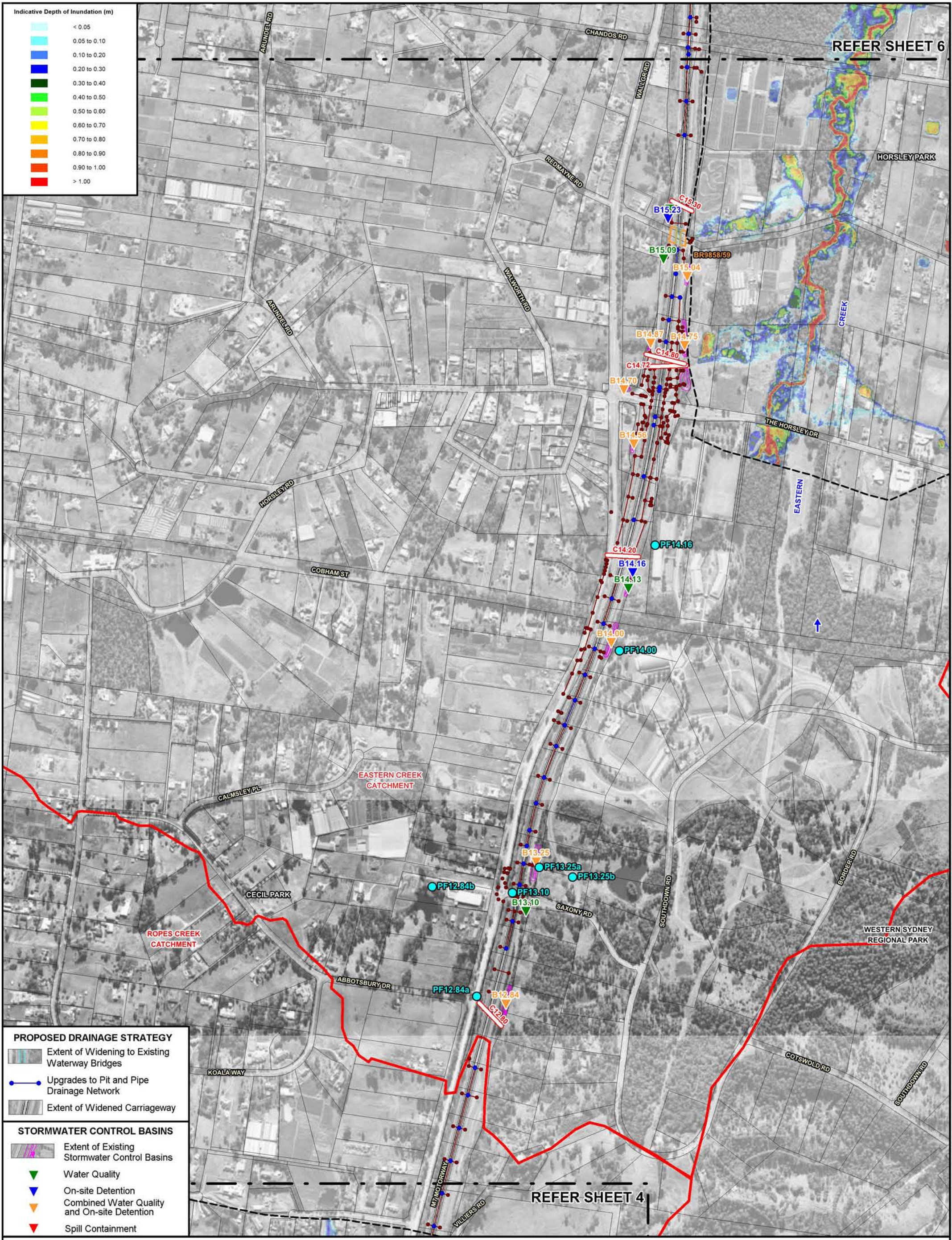
EXISTING TRANSVERSE DRAINAGE STRUCTURE AND IDENTIFIER
Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW POST-PROPOSED MODIFICATION CONDITIONS - 20% AEP

WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT

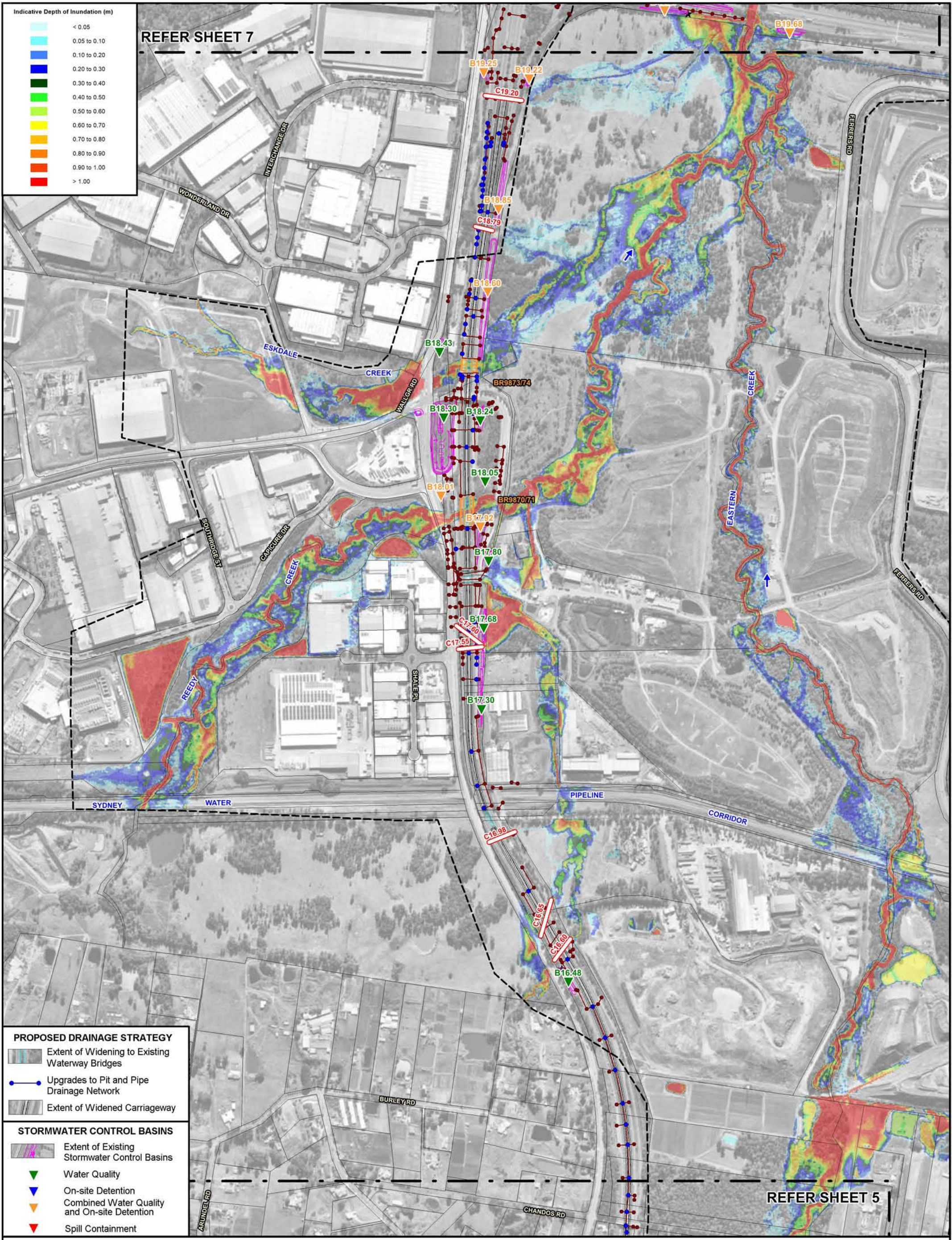
Figure C.8
(Sheet 3 of 8)





WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT
PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW
POST-PROPOSED MODIFICATION CONDITIONS - 20% AEP

Figure C.8
(Sheet 5 of 8)



PROPOSED DRAINAGE STRATEGY

- Extent of Widening to Existing Waterway Bridges
- Upgrades to Pit and Pipe Drainage Network
- Extent of Widened Carriageway

STORMWATER CONTROL BASINS

- Extent of Existing Stormwater Control Basins
- Water Quality
- On-site Detention
- Combined Water Quality and On-site Detention
- Spill Containment

Scale: 1:10,000

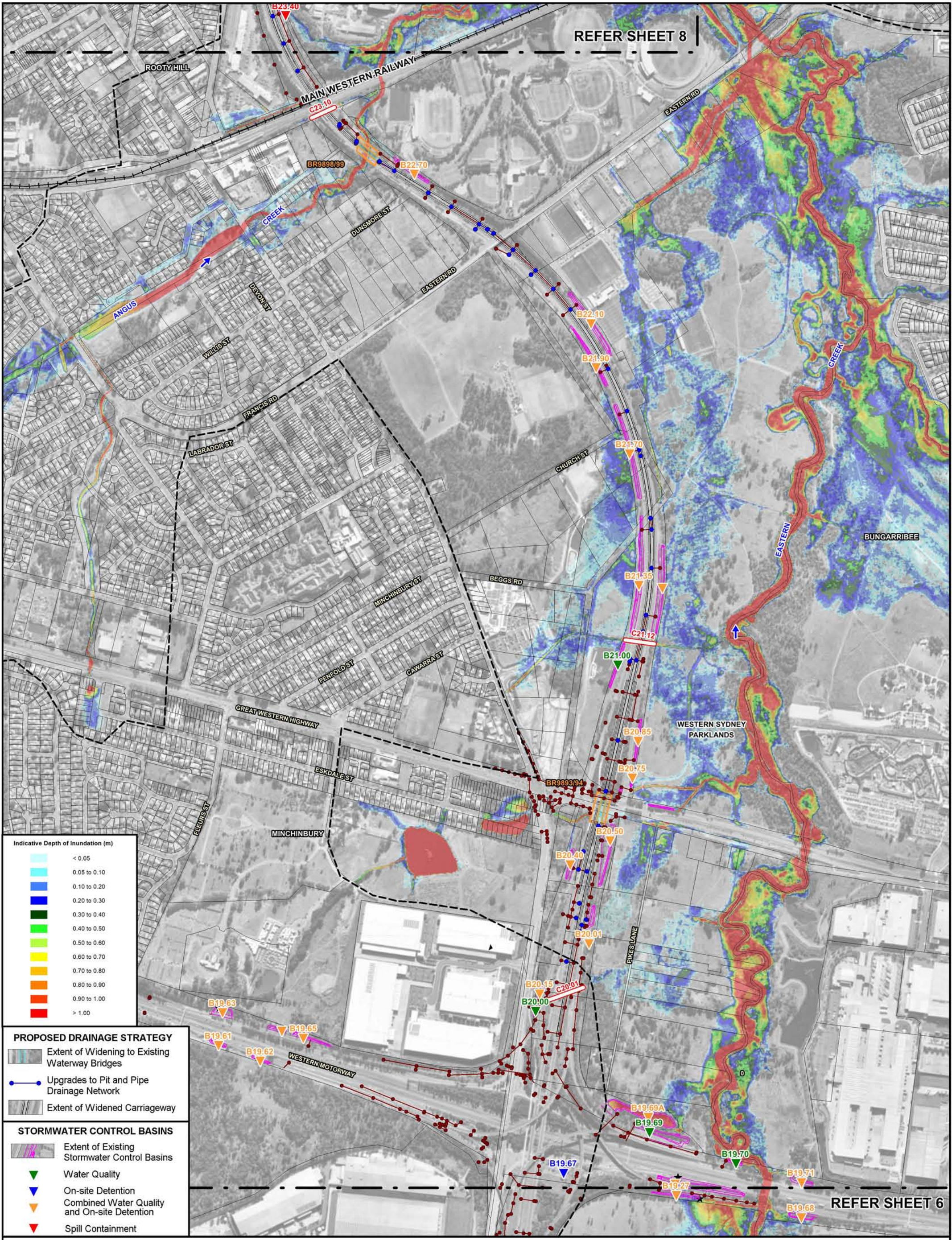
LEGEND

- Extent of Major Catchments
- Existing Bridge Waterway Crossing and Identifier
- Existing M7 Motorway Pit and Pipe Drainage Network

LEGEND

- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW POST-PROPOSED MODIFICATION CONDITIONS - 20% AEP



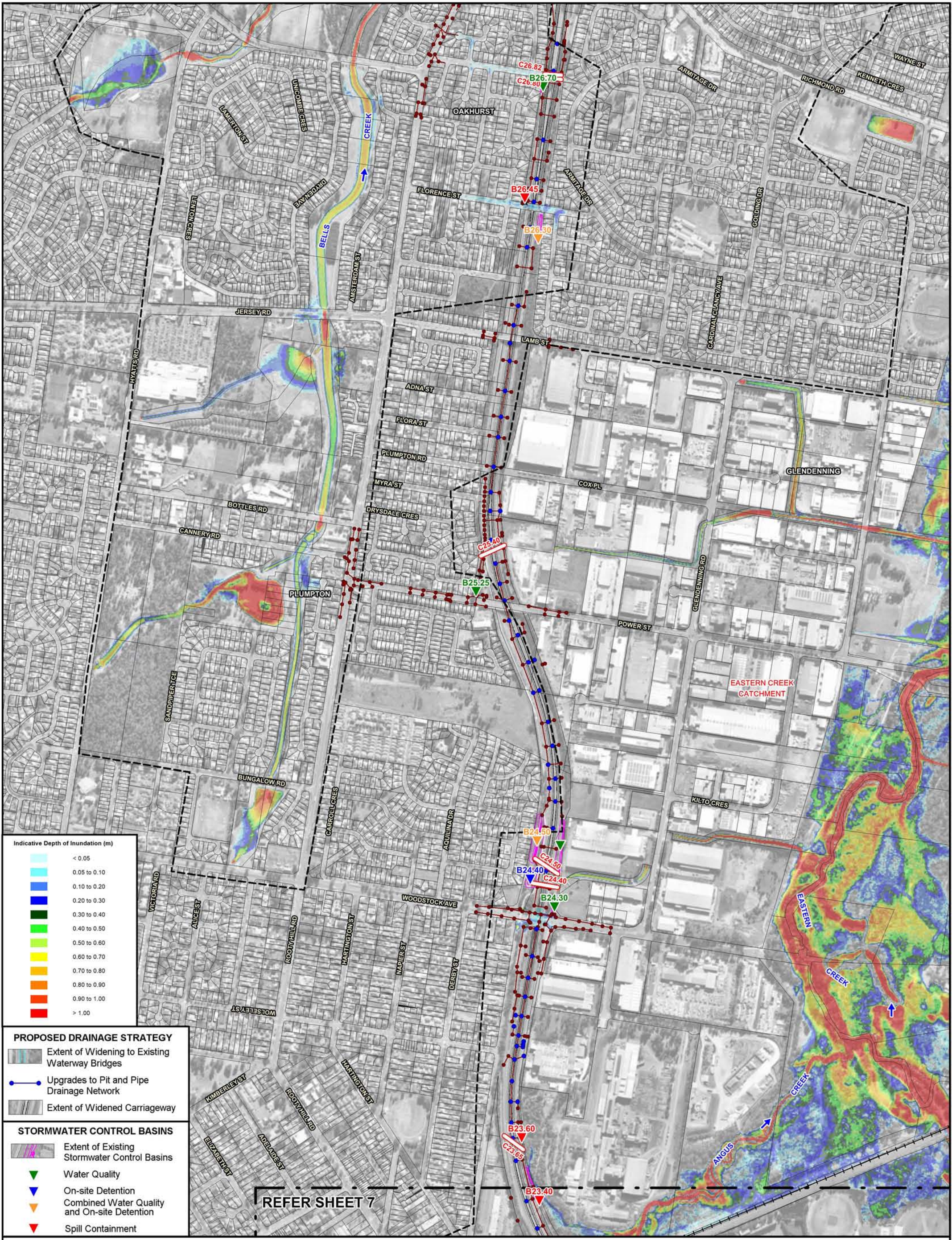
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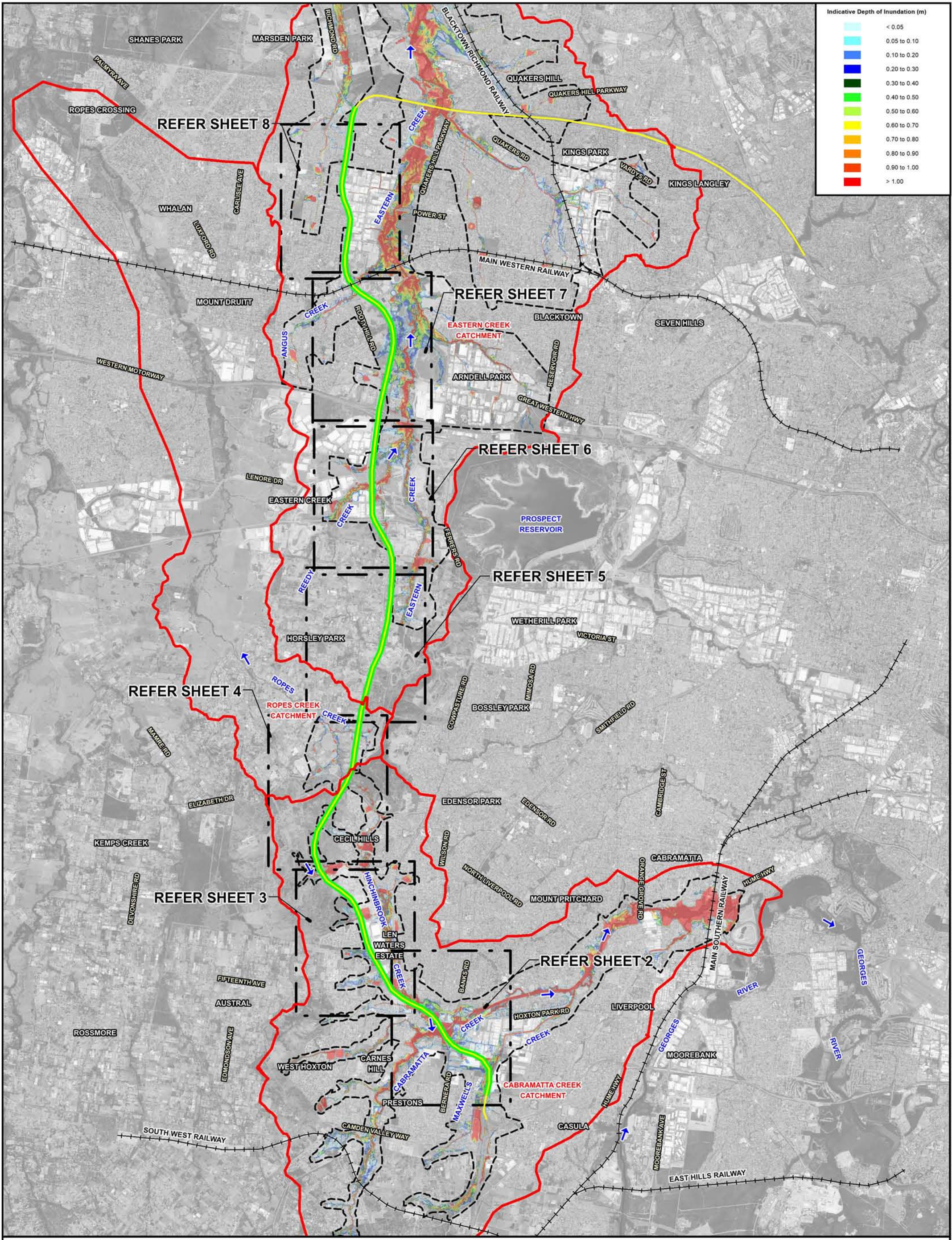
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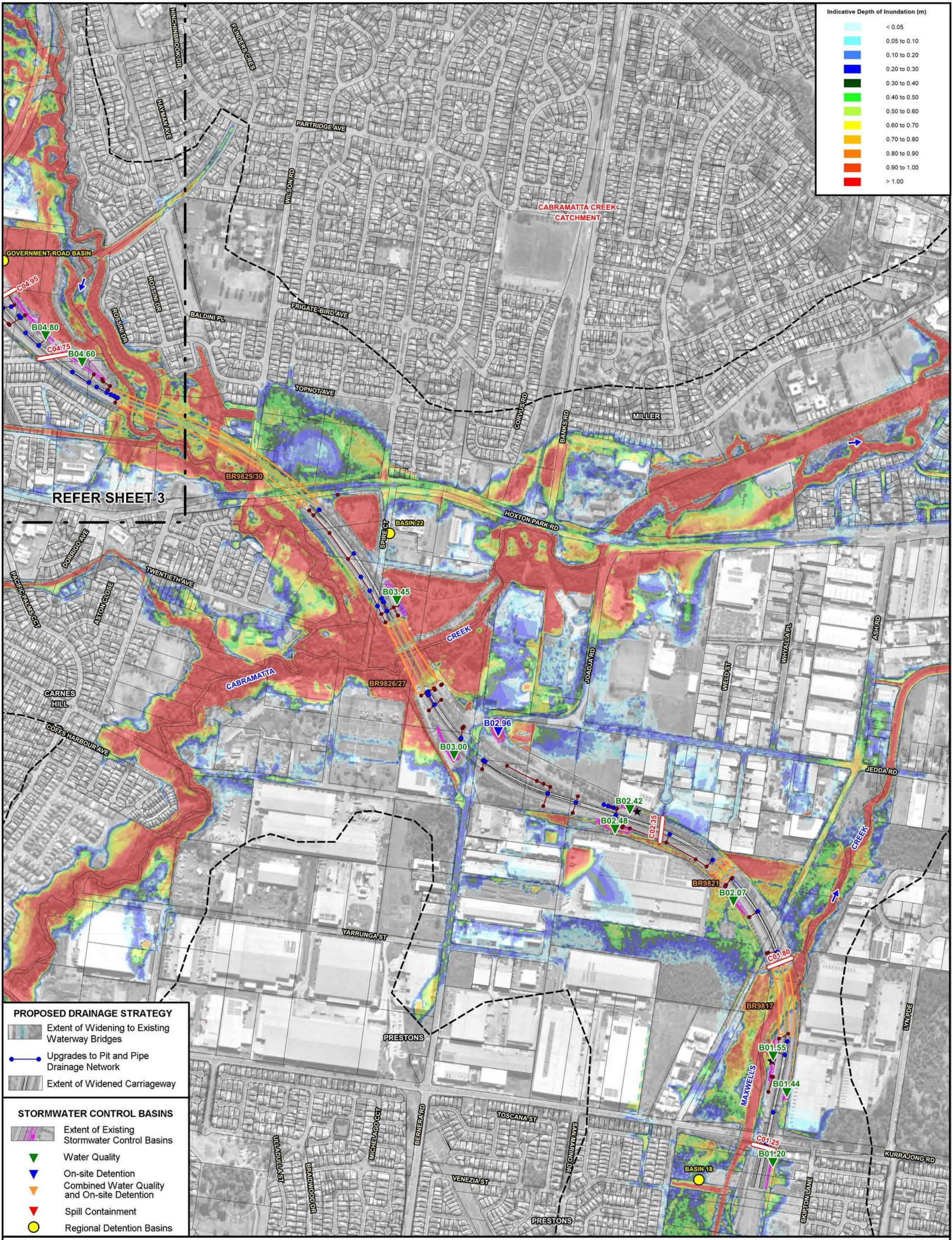
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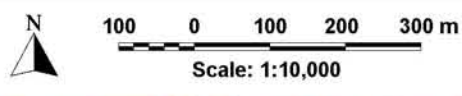
Figure C.8 (Sheet 7 of 8)







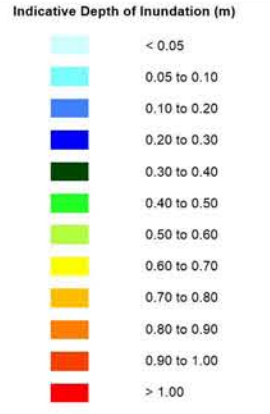
- PROPOSED DRAINAGE STRATEGY**
- Extent of Widening to Existing Waterway Bridges
 - Upgrades to Pit and Pipe Drainage Network
 - Extent of Widened Carriageway
- STORMWATER CONTROL BASINS**
- Extent of Existing Stormwater Control Basins
 - Water Quality
 - On-site Detention
 - Combined Water Quality and On-site Detention
 - Spill Containment
 - Regional Detention Basins



- LEGEND**
- Extent of Major Catchments
 - Existing Bridge Waterway Crossing and Identifier
 - Existing M7 Motorway Pit and Pipe Drainage Network

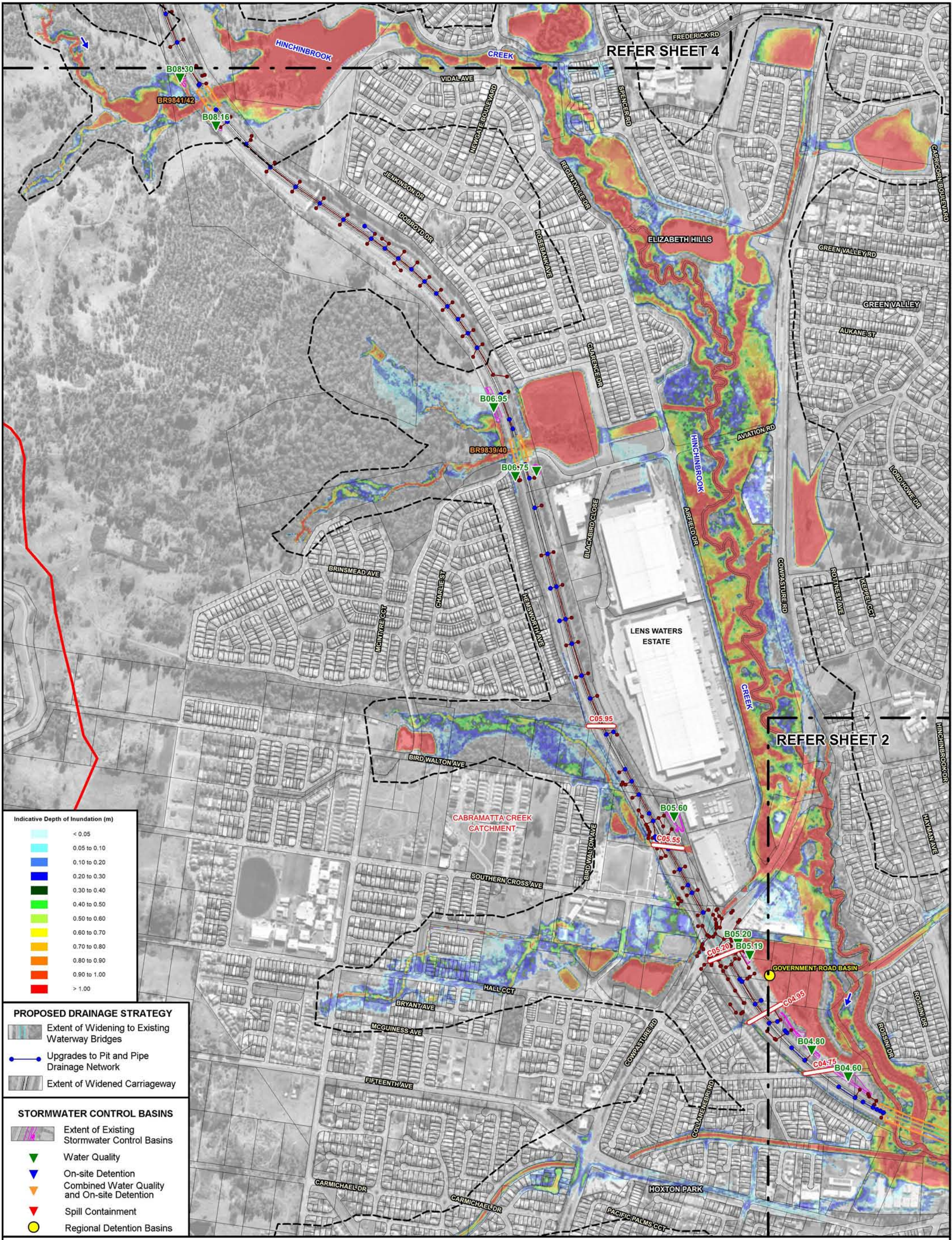
- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW POST-PROPOSED MODIFICATION CONDITIONS - 0.5% AEP



**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

Figure C.9
(Sheet 2 of 8)



Scale: 1:10,000

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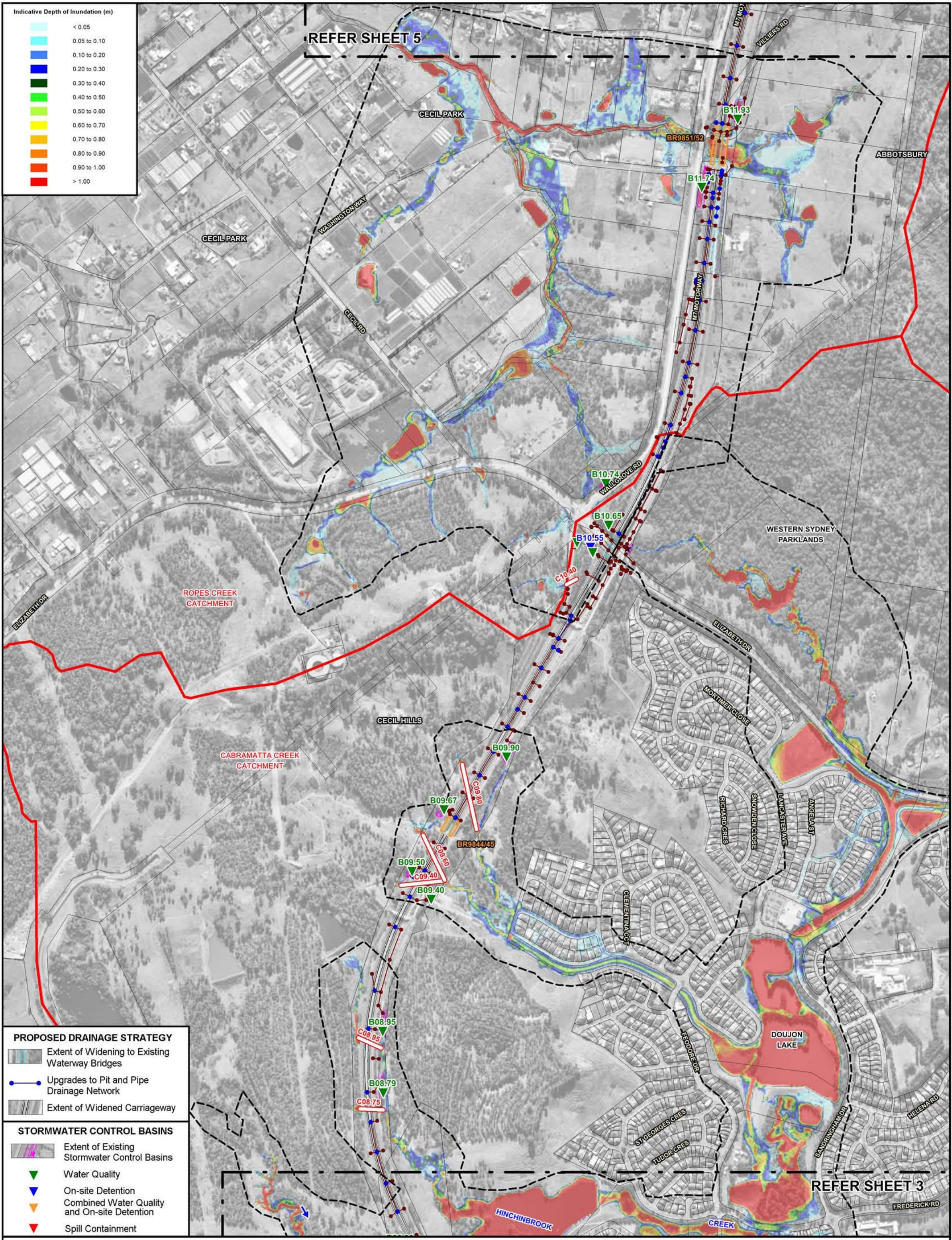
LEGEND
Extent of Major Catchments
Existing Bridge Waterway Crossing and Identifier
Existing M7 Motorway Pit and Pipe Drainage Network

C01.25
Existing Transverse Drainage Structure and Identifier
Extent of Two-Dimensional Hydraulic Model Boundary

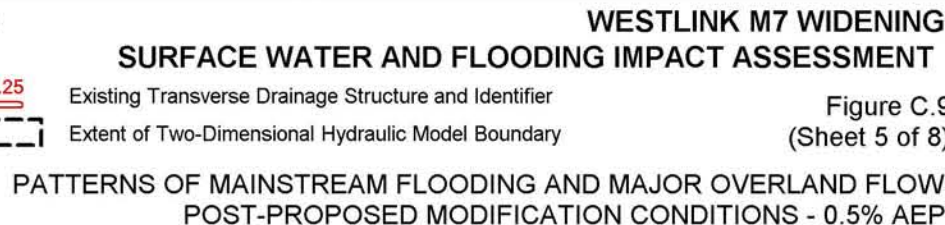
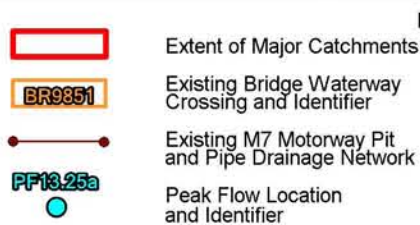
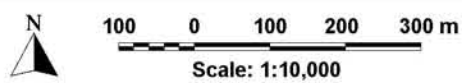
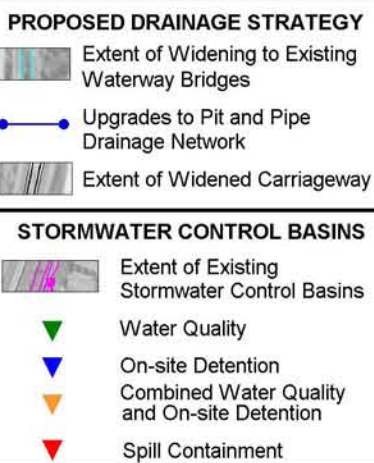
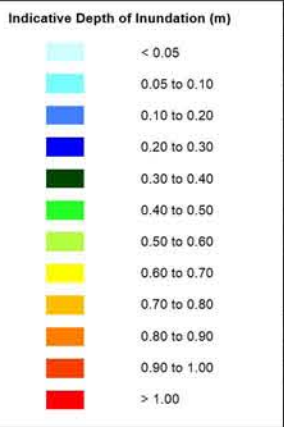
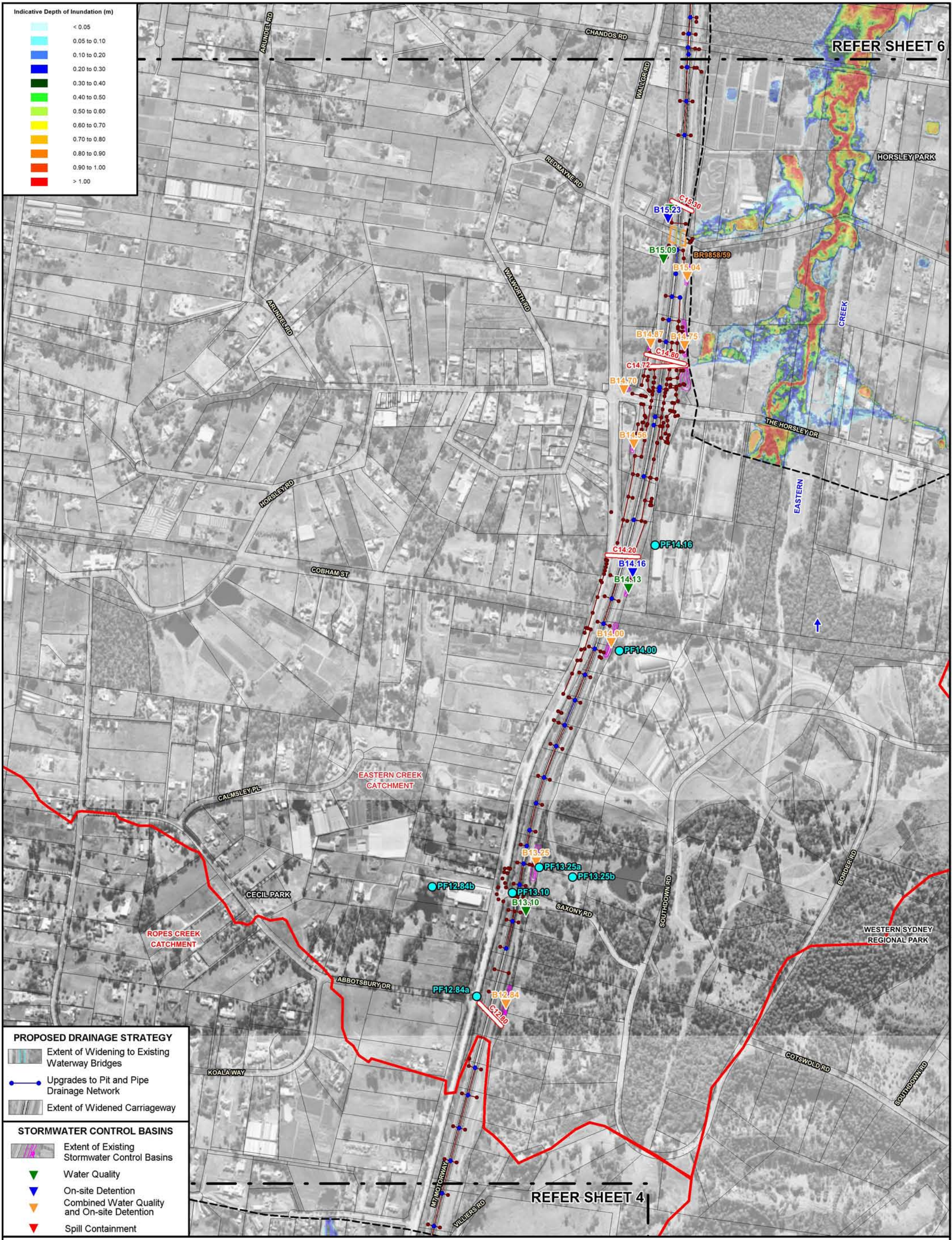
PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW
POST-PROPOSED MODIFICATION CONDITIONS - 0.5% AEP

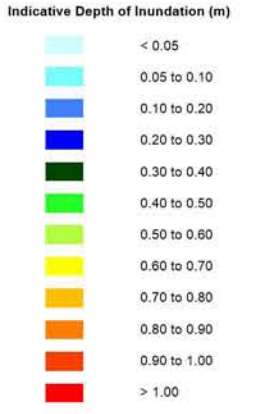
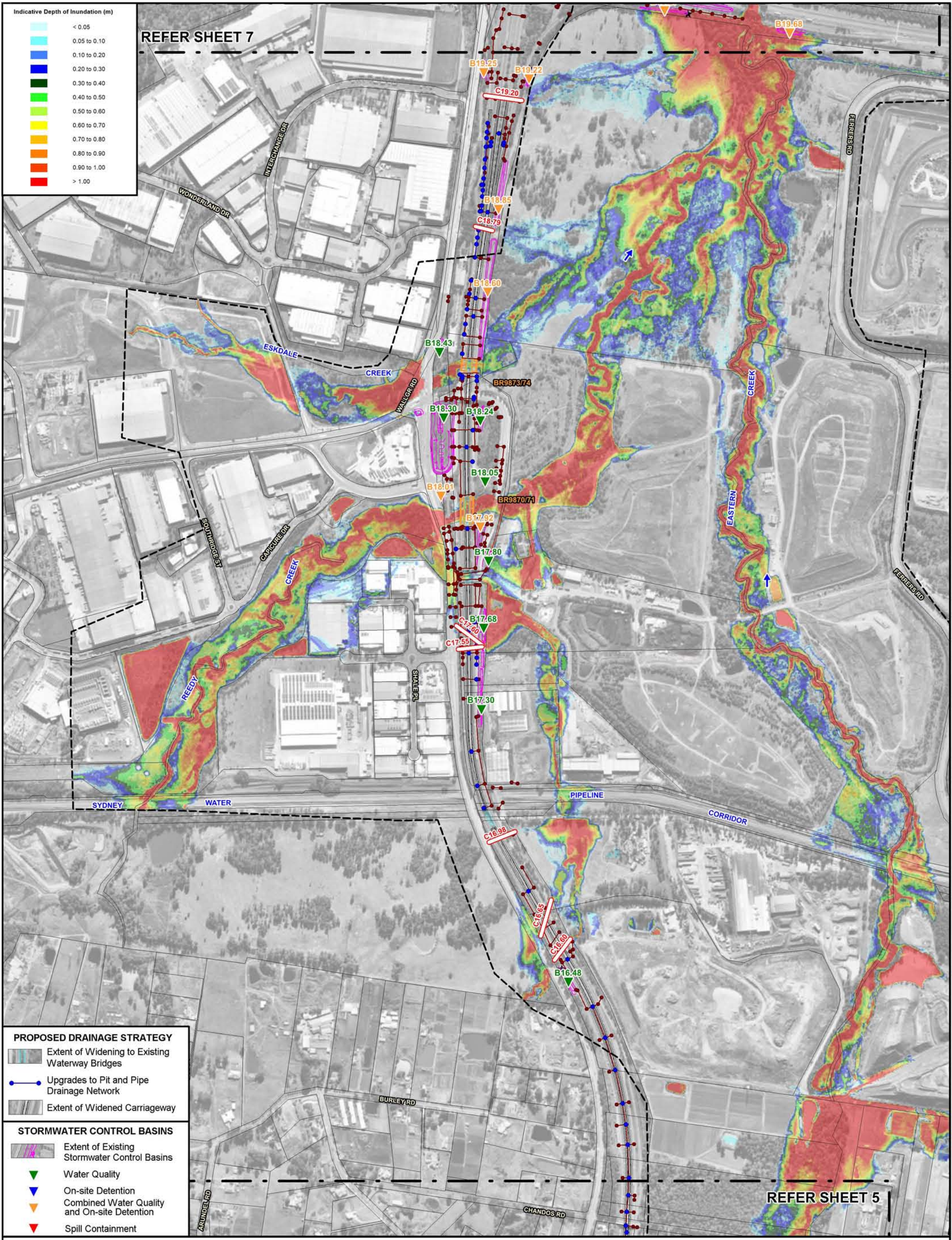
WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT

Figure C.9
(Sheet 3 of 8)

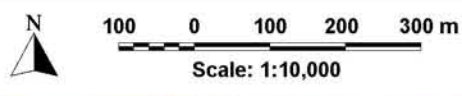


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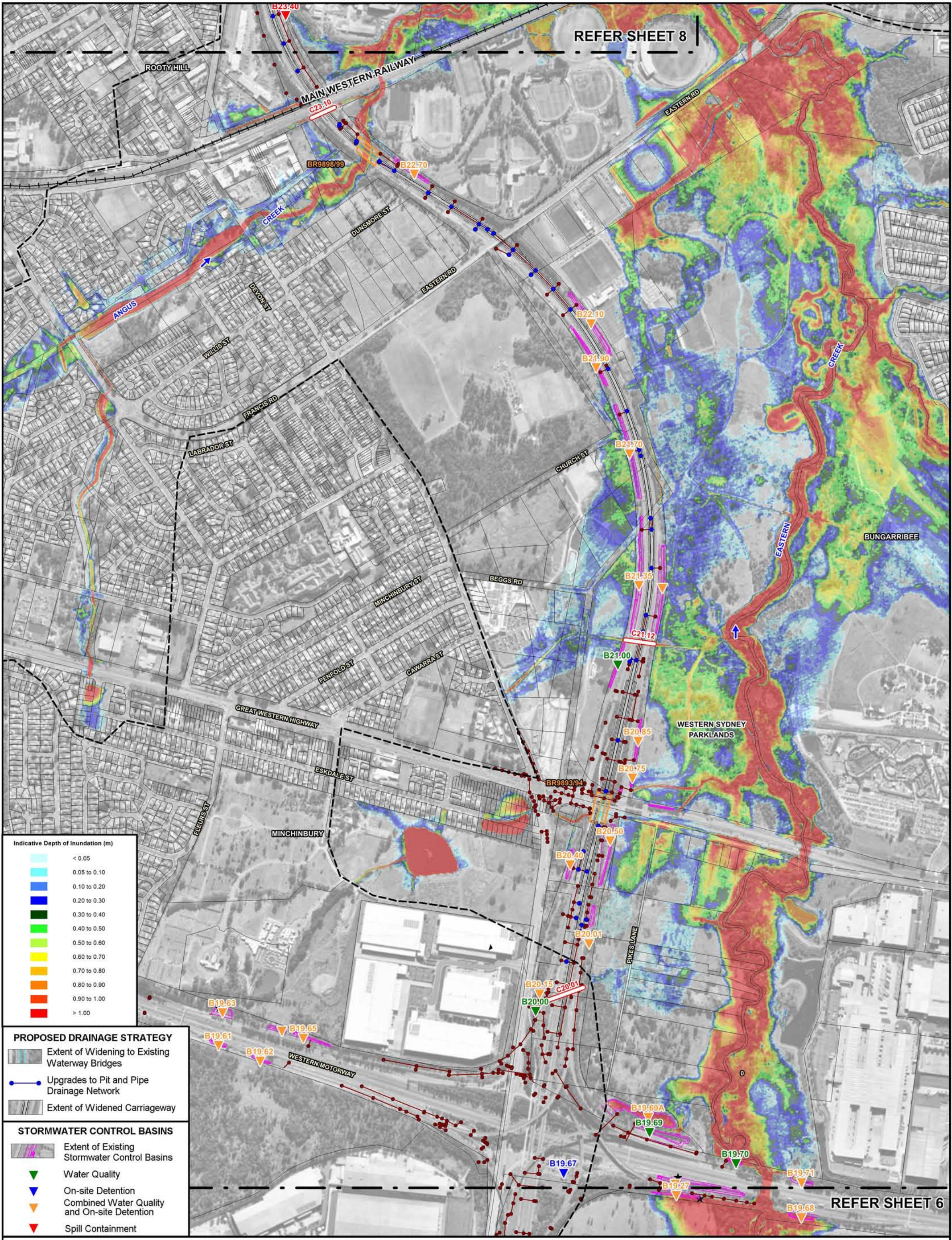
- PROPOSED DRAINAGE STRATEGY**
- Extent of Widening to Existing Waterway Bridges
 - Upgrades to Pit and Pipe Drainage Network
 - Extent of Widened Carriageway
- STORMWATER CONTROL BASINS**
- Extent of Existing Stormwater Control Basins
 - Water Quality
 - On-site Detention
 - Combined Water Quality and On-site Detention
 - Spill Containment



- LEGEND**
- Extent of Major Catchments
 - Existing Bridge Waterway Crossing and Identifier
 - Existing M7 Motorway Pit and Pipe Drainage Network

- C01.25 Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW POST-PROPOSED MODIFICATION CONDITIONS - 0.5% AEP



REFER SHEET 8

REFER SHEET 6

Indicative Depth of Inundation (m)

	< 0.05
	0.05 to 0.10
	0.10 to 0.20
	0.20 to 0.30
	0.30 to 0.40
	0.40 to 0.50
	0.50 to 0.60
	0.60 to 0.70
	0.70 to 0.80
	0.80 to 0.90
	0.90 to 1.00
	> 1.00

- PROPOSED DRAINAGE STRATEGY**
- Extent of Widening to Existing Waterway Bridges
 - Upgrades to Pit and Pipe Drainage Network
 - Extent of Widened Carriageway

- STORMWATER CONTROL BASINS**
- Extent of Existing Stormwater Control Basins
 - Water Quality
 - On-site Detention
 - Combined Water Quality and On-site Detention
 - Spill Containment

N
100 0 100 200 300 m
Scale: 1:10,000

- LEGEND**
- Extent of Major Catchments
 - Existing Bridge Waterway Crossing and Identifier
 - Existing M7 Motorway Pit and Pipe Drainage Network

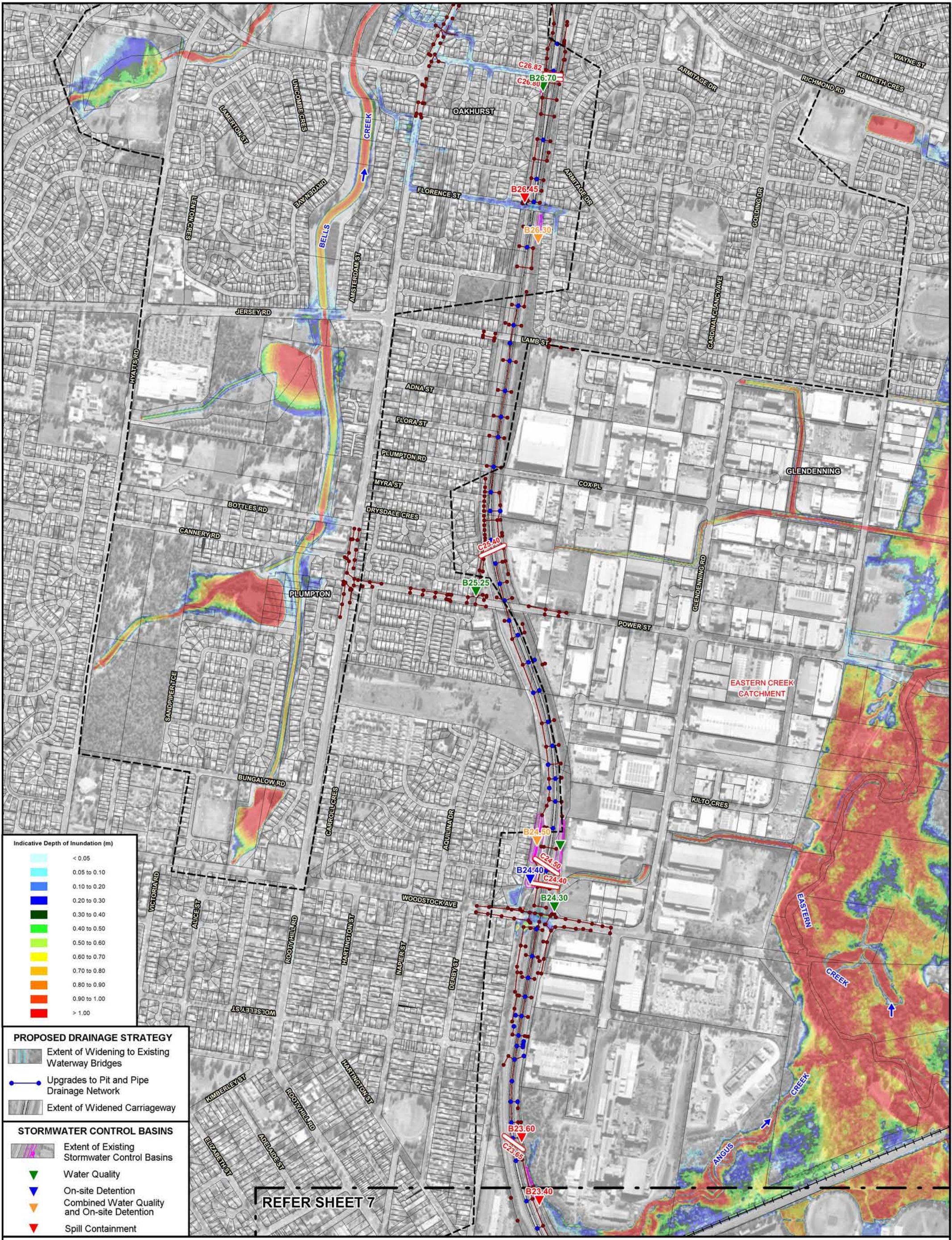
- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

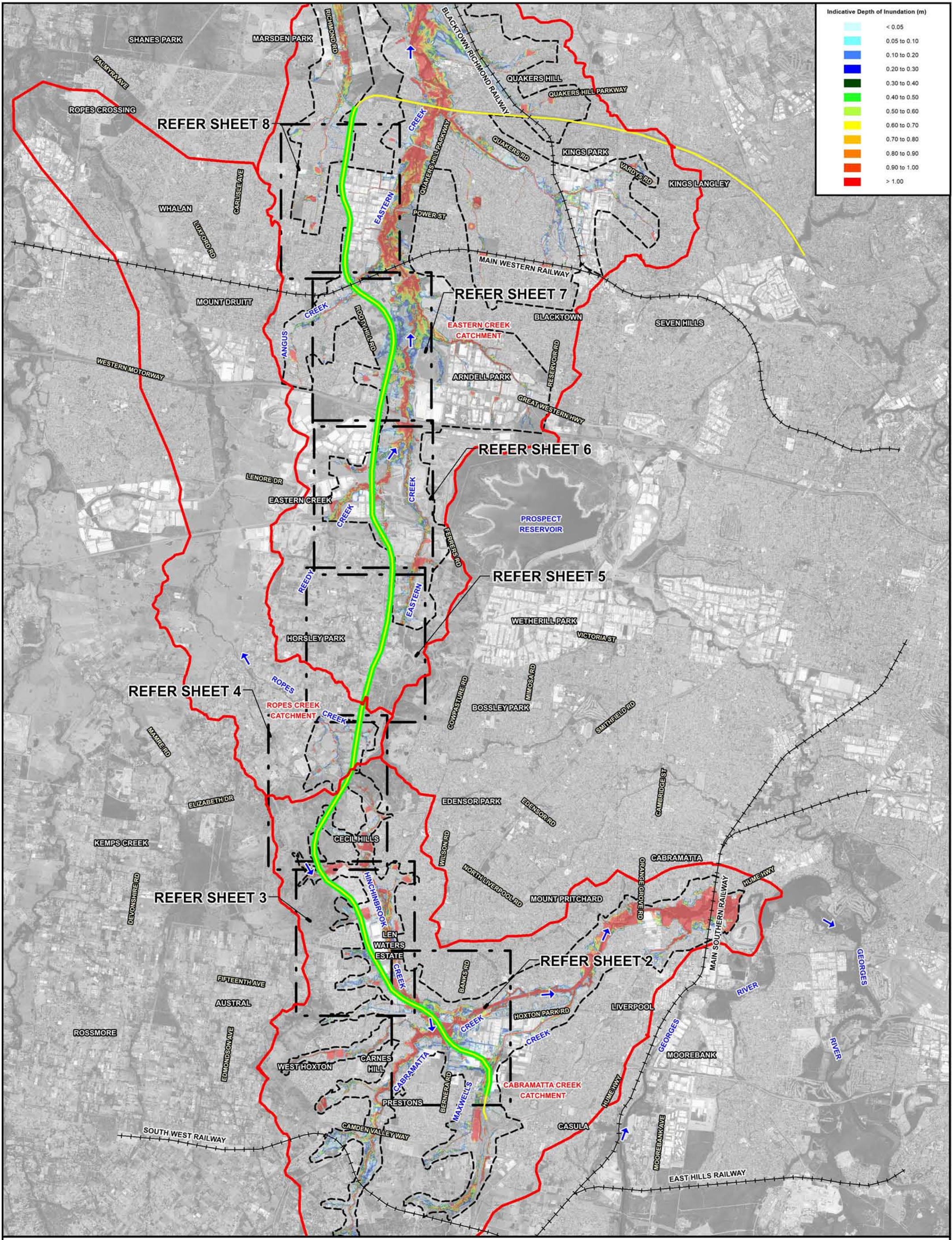
PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW
POST-PROPOSED MODIFICATION CONDITIONS - 0.5% AEP

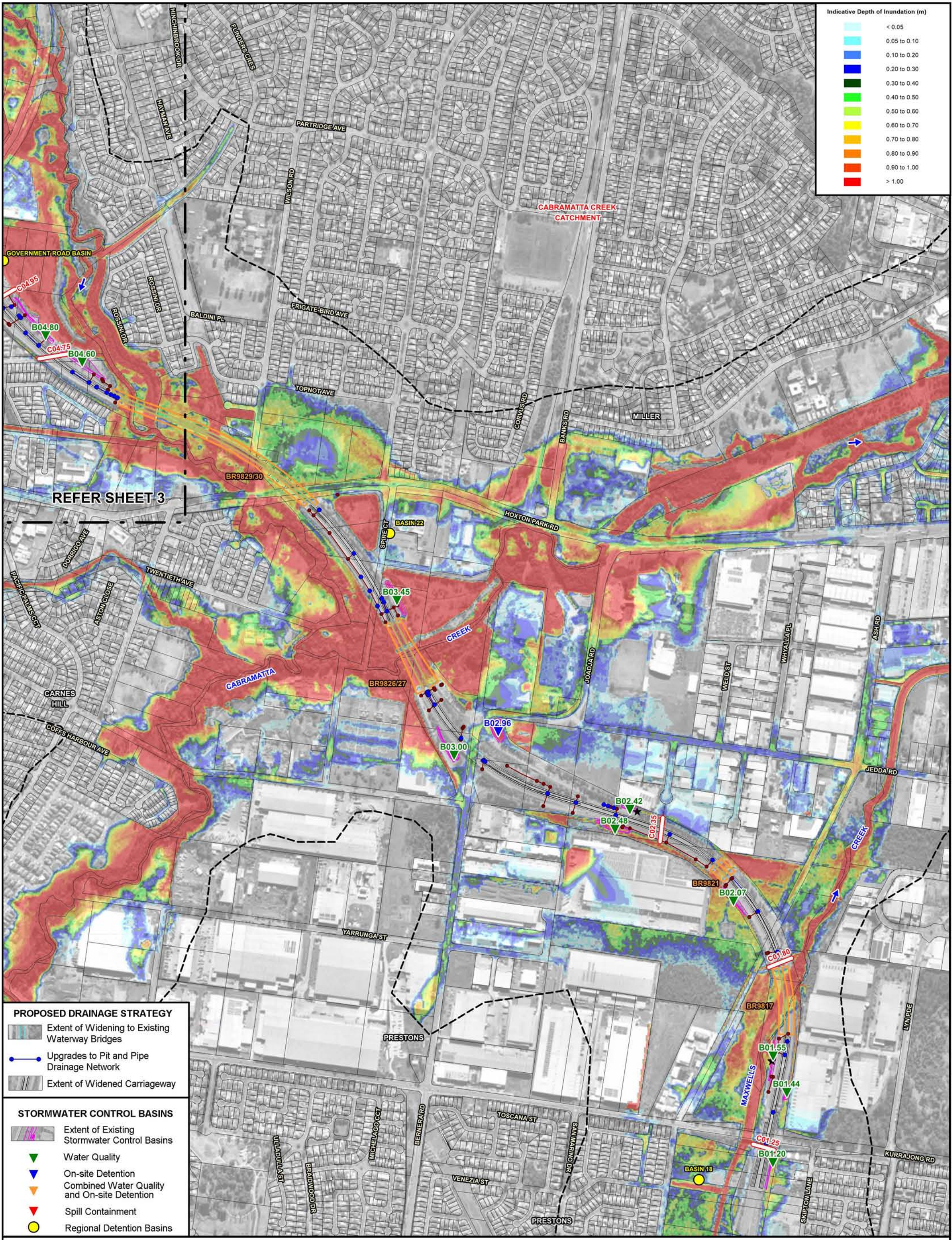
WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT

Figure C.9
(Sheet 7 of 8)

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PROPOSED DRAINAGE STRATEGY

- Extent of Widening to Existing Waterway Bridges
- Upgrades to Pit and Pipe Drainage Network
- Extent of Widened Carriageway

STORMWATER CONTROL BASINS

- Extent of Existing Stormwater Control Basins
- Water Quality
- On-site Detention
- Combined Water Quality and On-site Detention
- Spill Containment
- Regional Detention Basins

N
100 0 100 200 300 m
Scale: 1:10,000

LEGEND

- Extent of Major Catchments
- Existing Bridge Waterway Crossing and Identifier
- Existing M7 Motorway Pit and Pipe Drainage Network

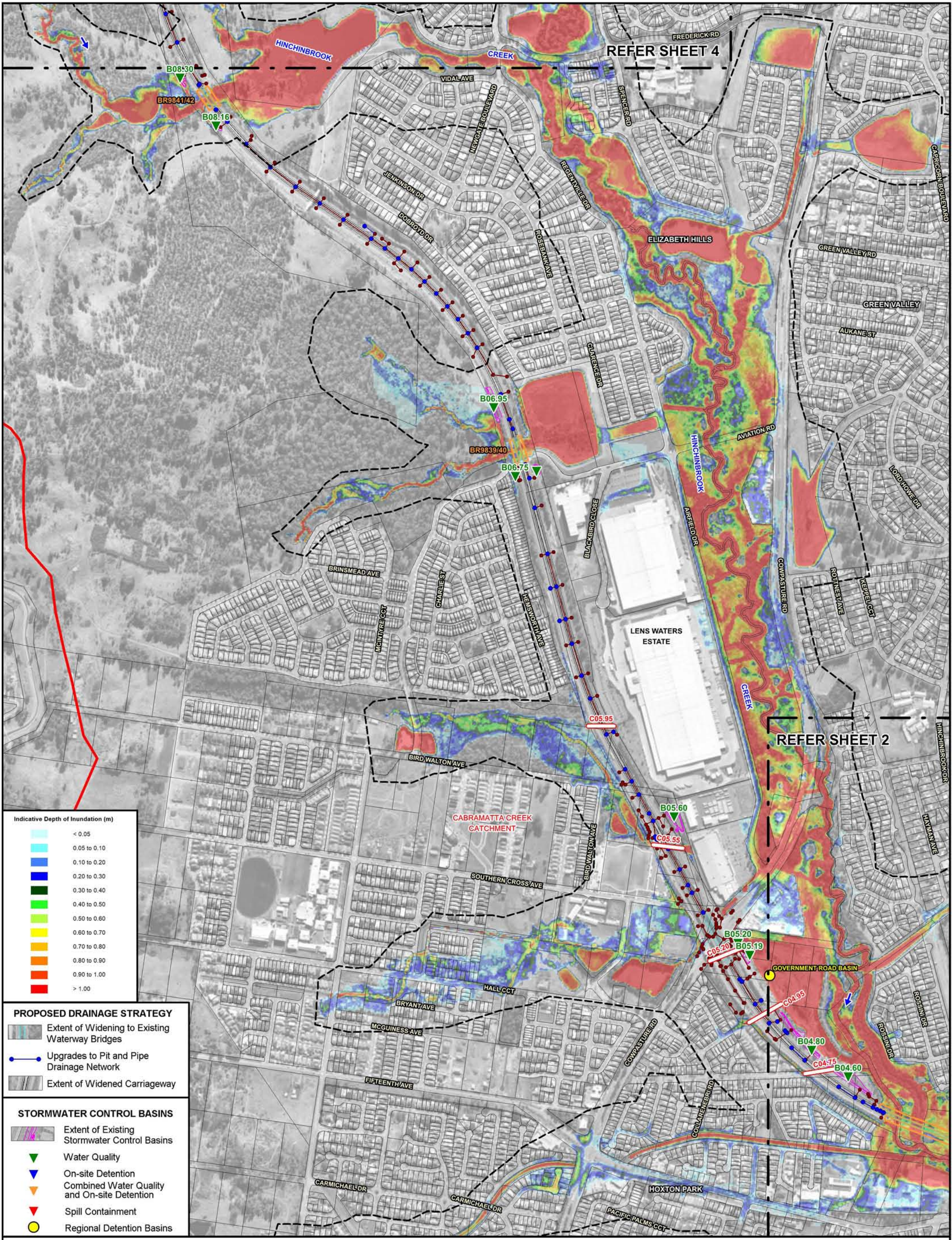
**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW
POST-PROPOSED MODIFICATION CONDITIONS - 0.2% AEP

Figure C.10
(Sheet 2 of 8)

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Associates



Indicative Depth of Inundation (m)

< 0.05
0.05 to 0.10
0.10 to 0.20
0.20 to 0.30
0.30 to 0.40
0.40 to 0.50
0.50 to 0.60
0.60 to 0.70
0.70 to 0.80
0.80 to 0.90
0.90 to 1.00
> 1.00

- PROPOSED DRAINAGE STRATEGY**
- Extent of Widening to Existing Waterway Bridges
 - Upgrades to Pit and Pipe Drainage Network
 - Extent of Widened Carriageway

- STORMWATER CONTROL BASINS**
- Extent of Existing Stormwater Control Basins
 - Water Quality
 - On-site Detention
 - Combined Water Quality and On-site Detention
 - Spill Containment
 - Regional Detention Basins

N
100 0 100 200 300 m
Scale: 1:10,000

- LEGEND**
- Extent of Major Catchments
 - Existing Bridge Waterway Crossing and Identifier
 - Existing M7 Motorway Pit and Pipe Drainage Network

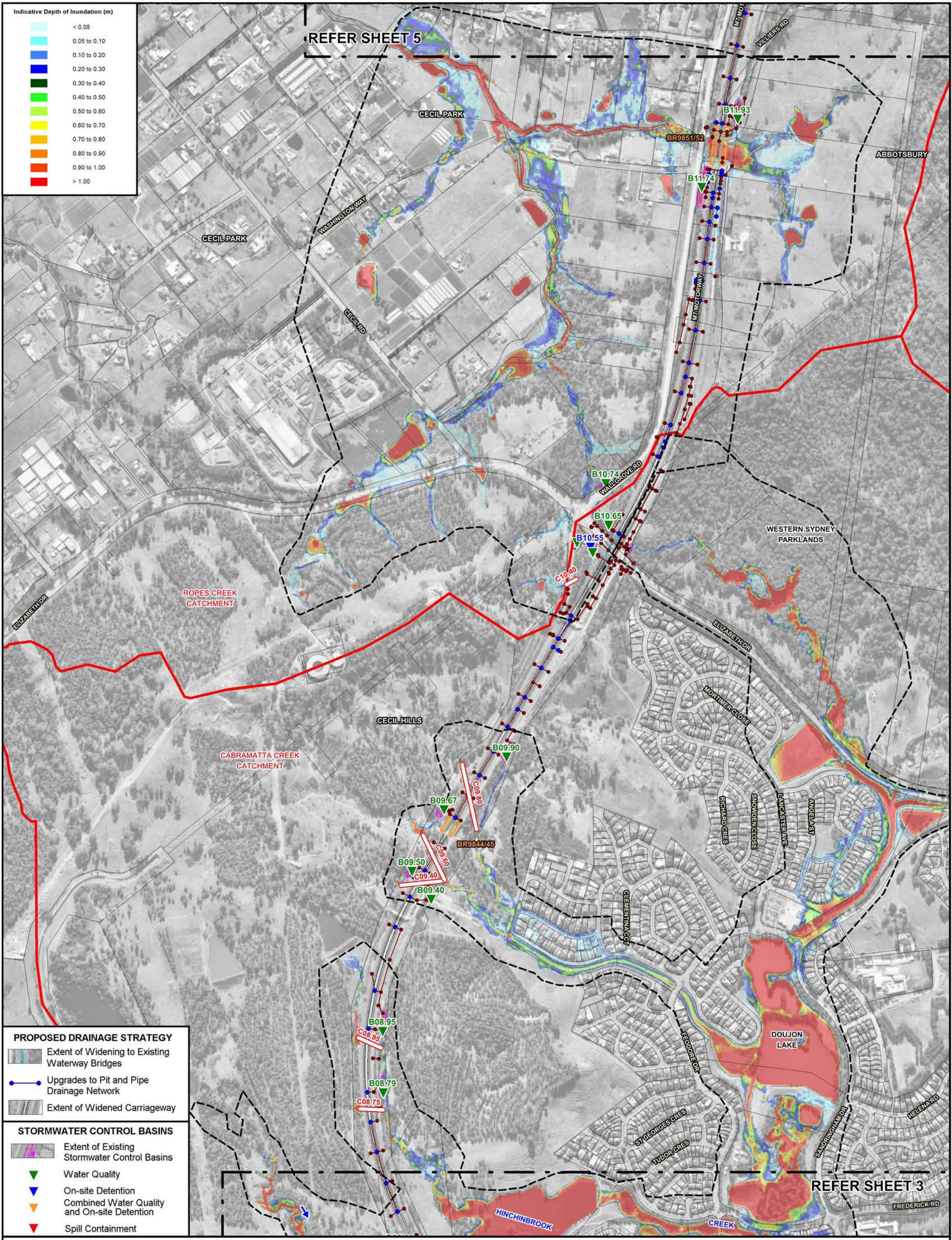
- C01.25 Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW POST-PROPOSED MODIFICATION CONDITIONS - 0.2% AEP

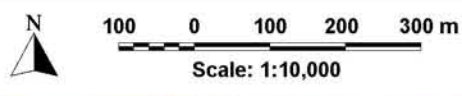
**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

Figure C.10
(Sheet 3 of 8)

Lyall &
Associates



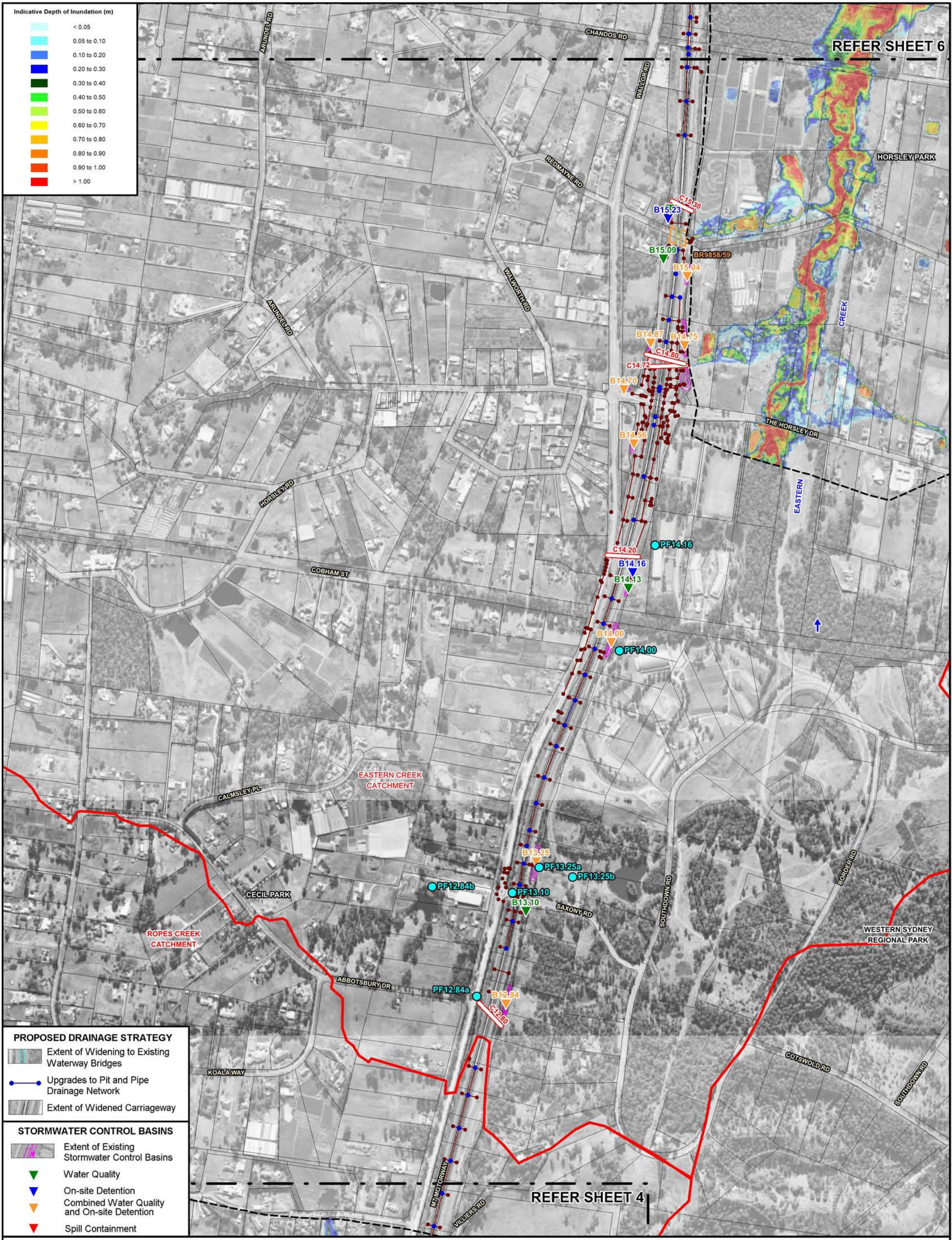
- PROPOSED DRAINAGE STRATEGY**
- Extent of Widening to Existing Waterway Bridges
 - Upgrades to Pit and Pipe Drainage Network
 - Extent of Widened Carriageway
- STORMWATER CONTROL BASINS**
- Extent of Existing Stormwater Control Basins
 - Water Quality
 - On-site Detention
 - Combined Water Quality and On-site Detention
 - Spill Containment



- LEGEND**
- Extent of Major Catchments
 - Existing Bridge Waterway Crossing and Identifier
 - Existing M7 Motorway Pit and Pipe Drainage Network

- C01.25 Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW POST-PROPOSED MODIFICATION CONDITIONS - 0.2% AEP



Indicative Depth of Inundation (m)

- < 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.40
- 0.40 to 0.50
- 0.50 to 0.60
- 0.60 to 0.70
- 0.70 to 0.80
- 0.80 to 0.90
- 0.90 to 1.00
- > 1.00

PROPOSED DRAINAGE STRATEGY

- Extent of Widening to Existing Waterway Bridges
- Upgrades to Pit and Pipe Drainage Network
- Extent of Widened Carriageway

STORMWATER CONTROL BASINS

- Extent of Existing Stormwater Control Basins
- Water Quality
- On-site Detention
- Combined Water Quality and On-site Detention
- Spill Containment

Scale: 1:10,000



- Extent of Major Catchments
- Existing Bridge Waterway Crossing and Identifier
- Existing M7 Motorway Pit and Pipe Drainage Network
- Peak Flow Location and Identifier

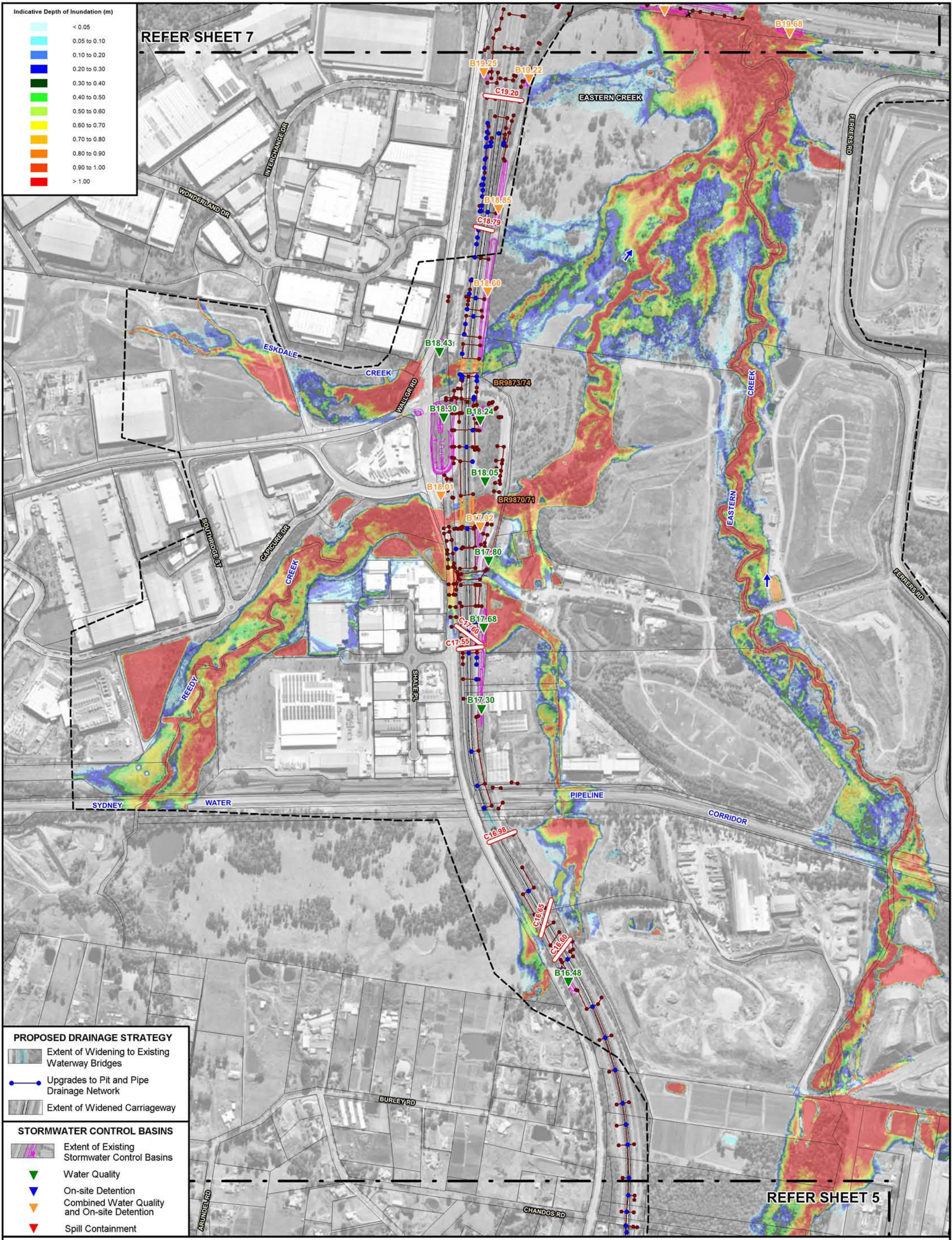
LEGEND

- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW POST-PROPOSED MODIFICATION CONDITIONS - 0.2% AEP

WESTLINK M7 WIDENING SURFACE WATER AND FLOODING IMPACT ASSESSMENT

Figure C.10 (Sheet 5 of 8)



PROPOSED DRAINAGE STRATEGY

- Extent of Widening to Existing Waterway Bridges
- Upgrades to Pit and Pipe Drainage Network
- Extent of Widened Carriageway

STORMWATER CONTROL BASINS

- Extent of Existing Stormwater Control Basins
- Water Quality
- On-site Detention
- Combined Water Quality and On-site Detention
- Spill Containment

Scale: 1:10,000

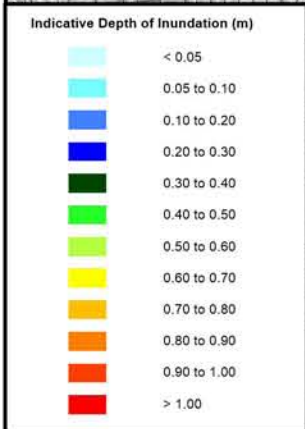
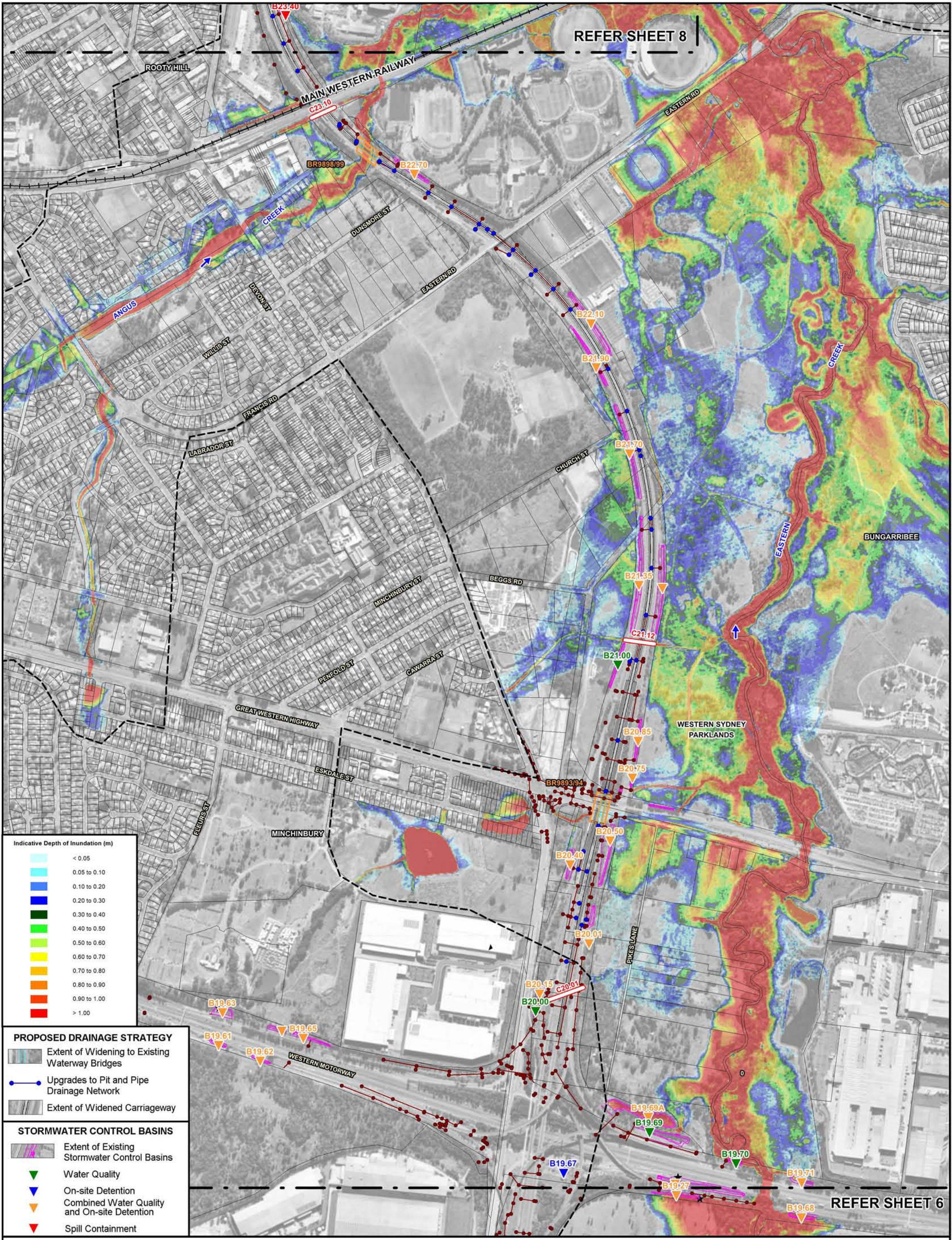
LEGEND

- Extent of Major Catchments
- Existing Bridge Waterway Crossing and Identifier
- Existing M7 Motorway Pit and Pipe Drainage Network

WESTLINK M7 WIDENING SURFACE WATER AND FLOODING IMPACT ASSESSMENT

- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW POST-PROPOSED MODIFICATION CONDITIONS - 0.2% AEP

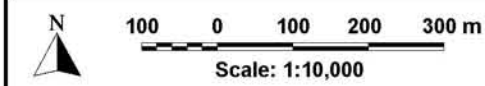


PROPOSED DRAINAGE STRATEGY

- Extent of Widening to Existing Waterway Bridges
- Upgrades to Pit and Pipe Drainage Network
- Extent of Widened Carriageway

STORMWATER CONTROL BASINS

- Extent of Existing Stormwater Control Basins
- Water Quality
- On-site Detention
- Combined Water Quality and On-site Detention
- Spill Containment



LEGEND

- Extent of Major Catchments
- Existing Bridge Waterway Crossing and Identifier
- Existing M7 Motorway Pit and Pipe Drainage Network

WESTLINK M7 WIDENING SURFACE WATER AND FLOODING IMPACT ASSESSMENT

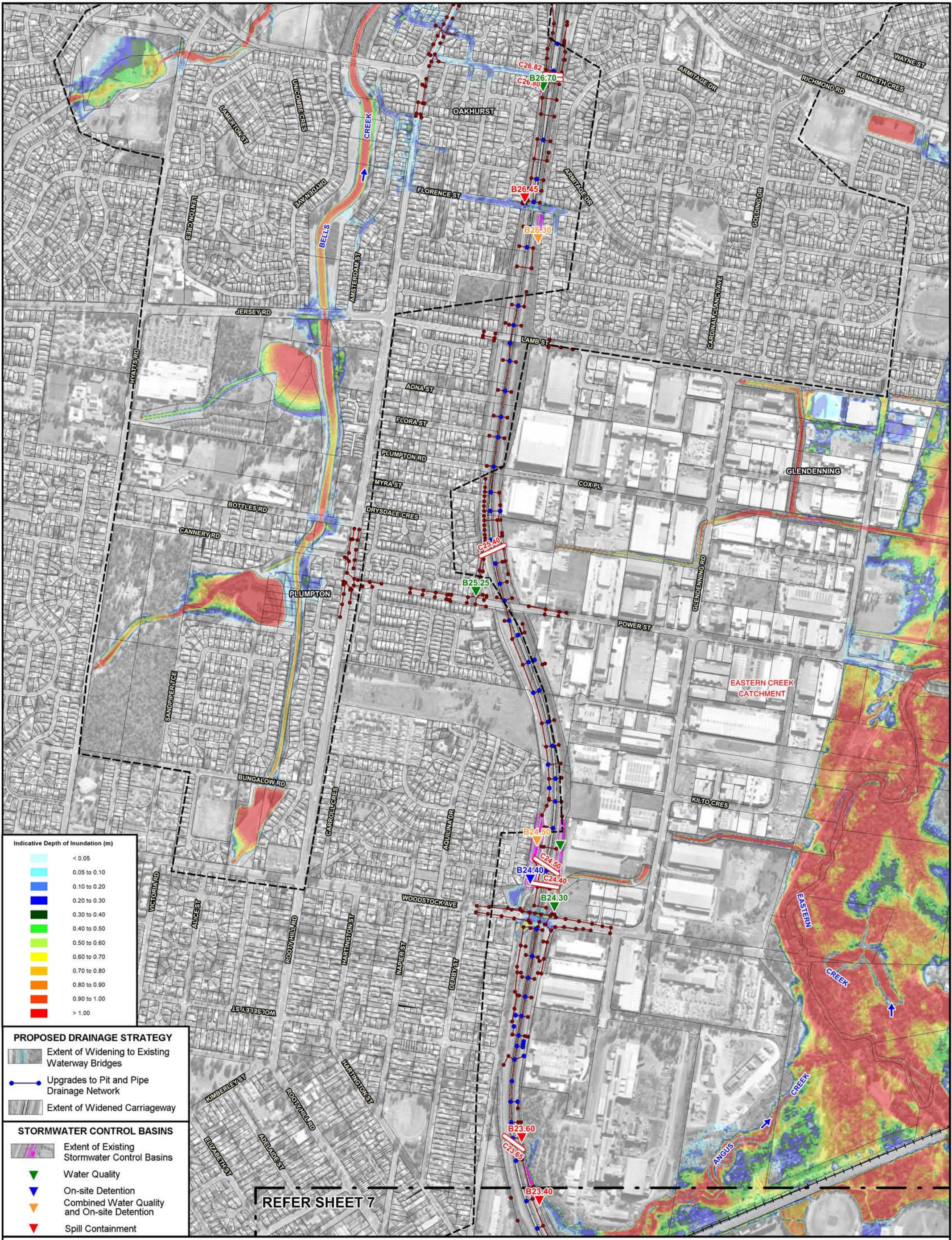
- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW POST-PROPOSED MODIFICATION CONDITIONS - 0.2% AEP

REFER SHEET 6

REFER SHEET 8

Figure C.10
(Sheet 7 of 8)



Indicative Depth of Inundation (m)

< 0.05
0.05 to 0.10
0.10 to 0.20
0.20 to 0.30
0.30 to 0.40
0.40 to 0.50
0.50 to 0.60
0.60 to 0.70
0.70 to 0.80
0.80 to 0.90
0.90 to 1.00
> 1.00

- PROPOSED DRAINAGE STRATEGY**
- Extent of Widening to Existing Waterway Bridges
 - Upgrades to Pit and Pipe Drainage Network
 - Extent of Widened Carriageway

- STORMWATER CONTROL BASINS**
- Extent of Existing Stormwater Control Basins
 - Water Quality
 - On-site Detention
 - Combined Water Quality and On-site Detention
 - Spill Containment

N
100 0 100 200 300 m
Scale: 1:10,000

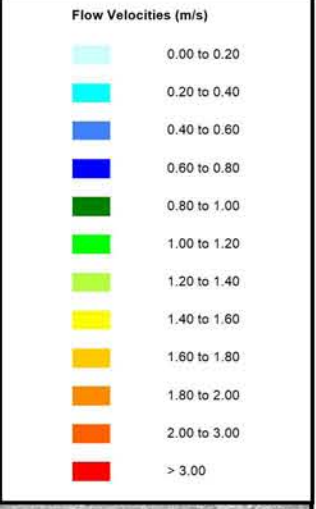
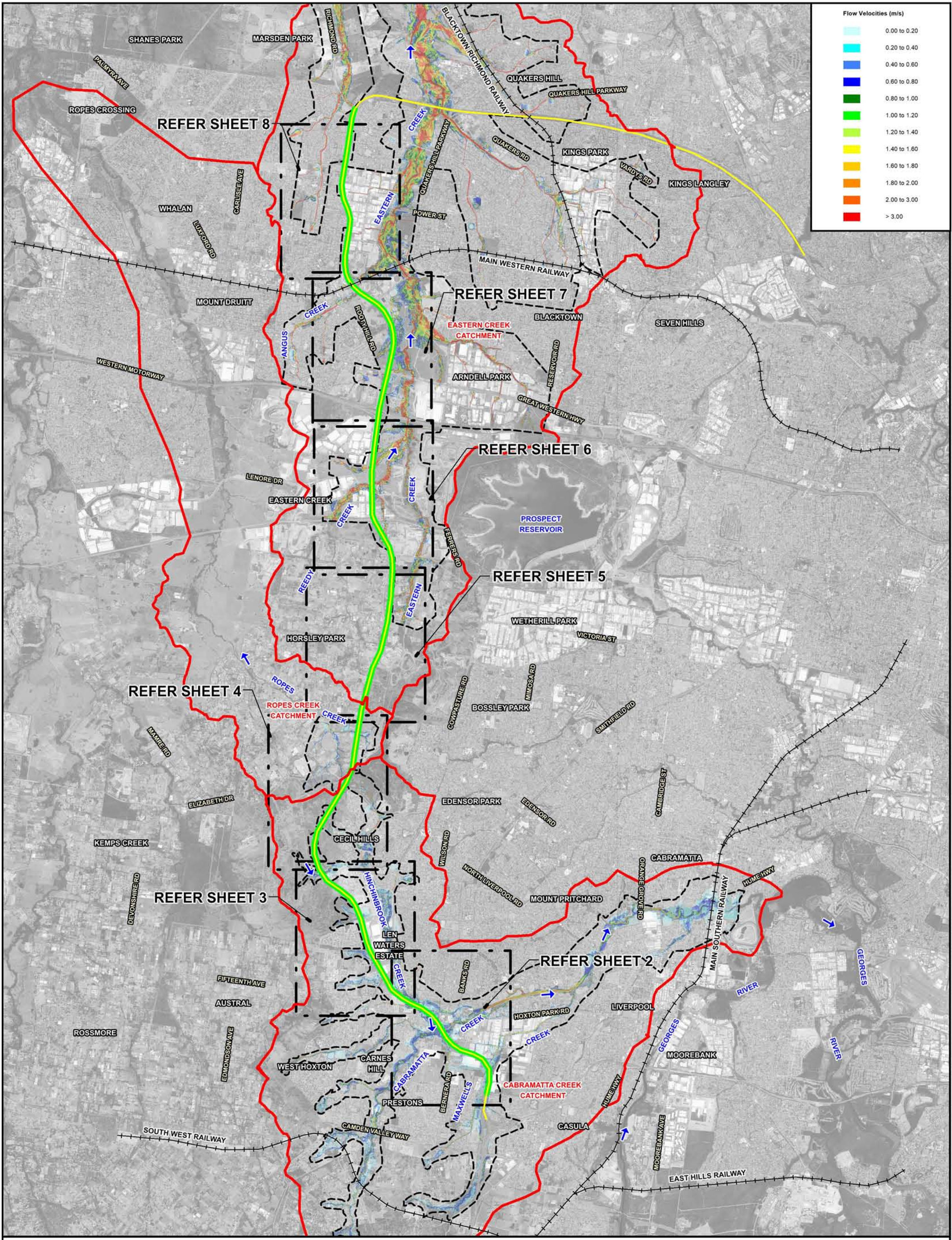
- LEGEND**
- Extent of Major Catchments
 - Existing Bridge Waterway Crossing and Identifier
 - Existing M7 Motorway Pit and Pipe Drainage Network

- C01.25 Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

PATTERNS OF MAINSTREAM FLOODING AND MAJOR OVERLAND FLOW POST-PROPOSED MODIFICATION CONDITIONS - 0.2% AEP

**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**
Figure C.10
(Sheet 8 of 8)





N

800 0 800 1600 2400 m

Scale: 1:80,000

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Extent of Major Catchments

Extent of Two-Dimensional Hydraulic Model Boundary

Extent of M7 Motorway Widening

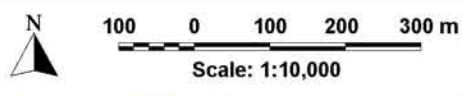
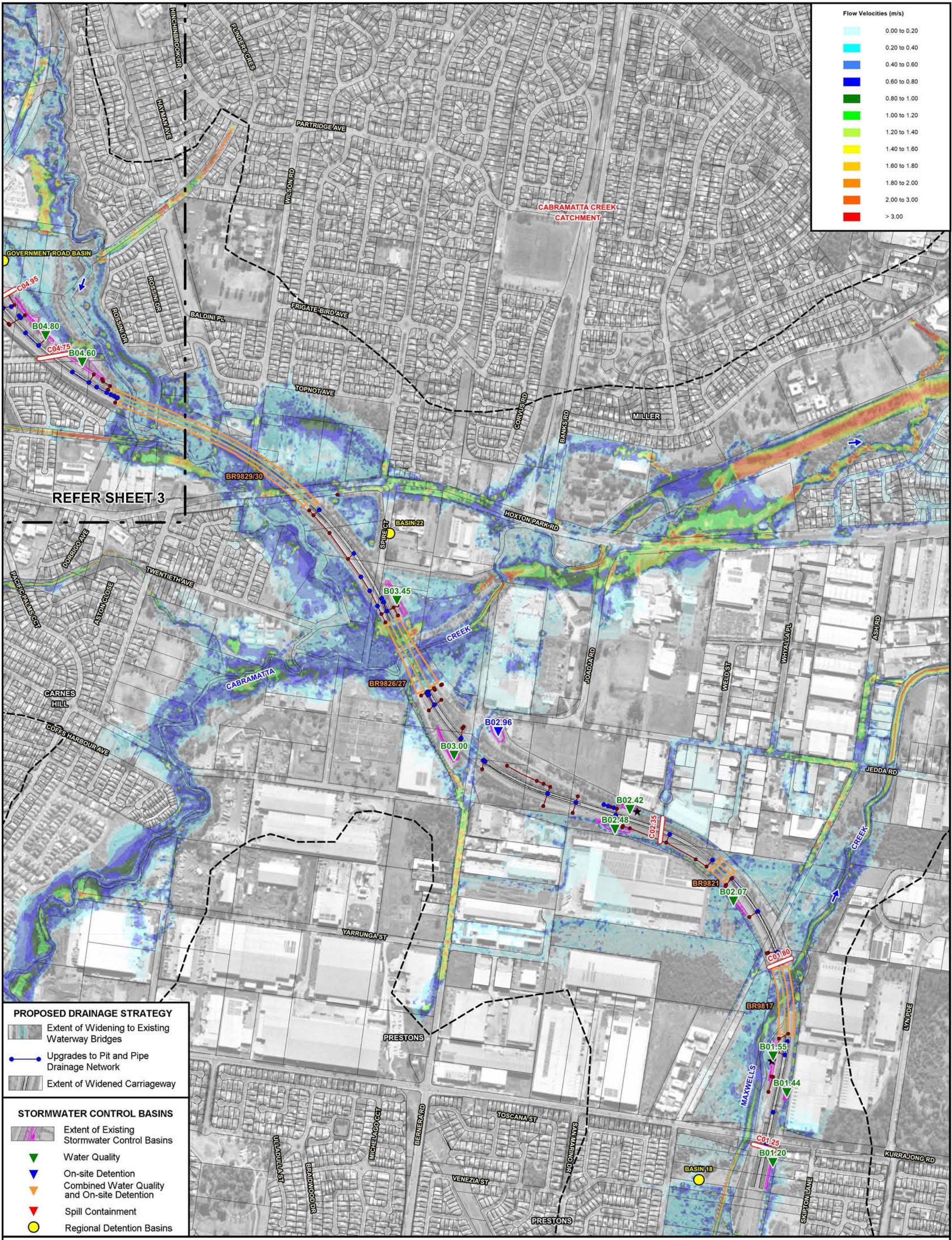
M7 Motorway

LEGEND

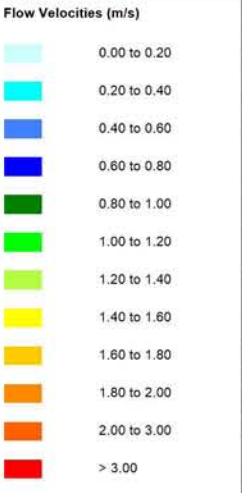
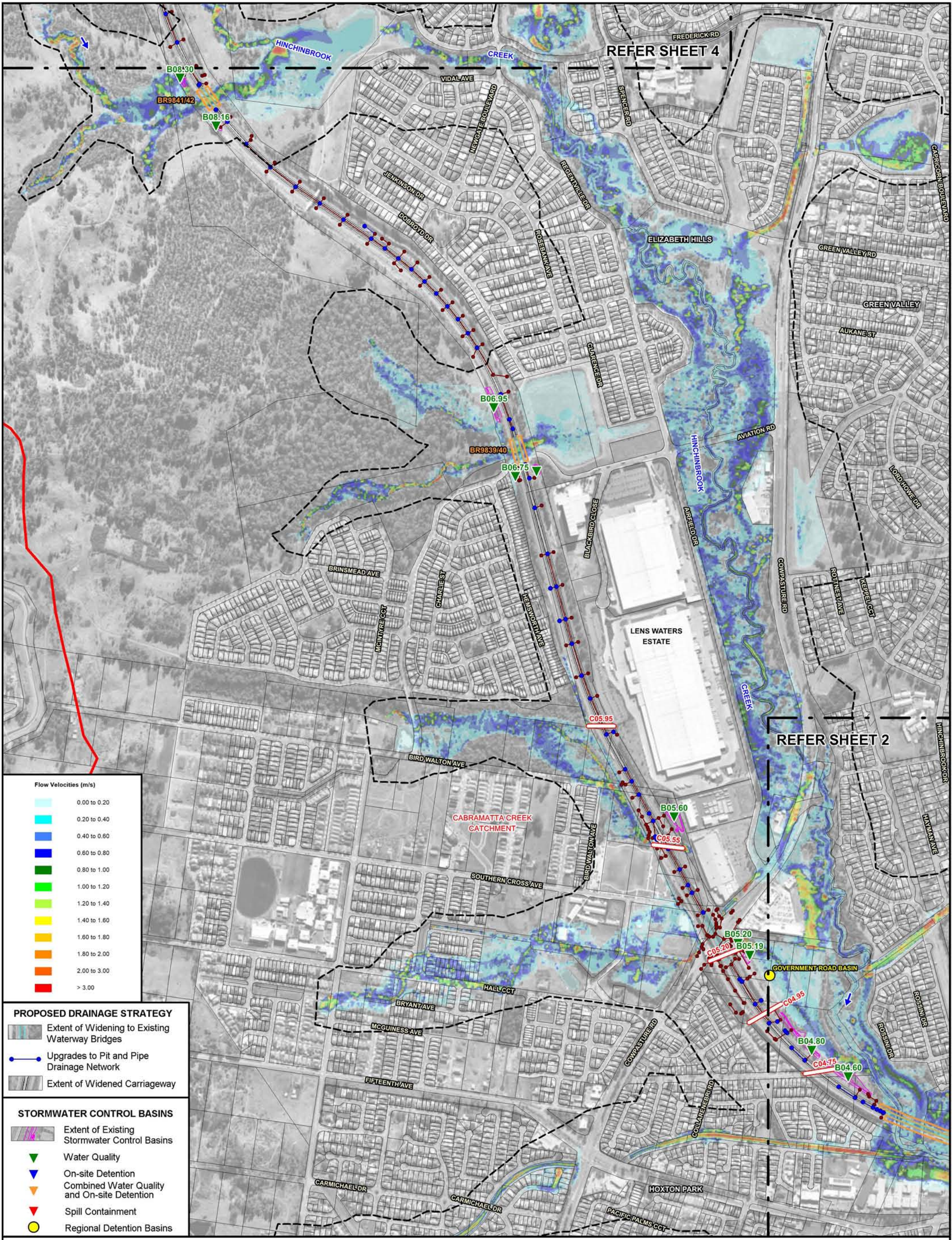
WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT

Figure C.11
(Sheet 1 of 8)

MAXIMUM FLOW VELOCITIES
POST-PROPOSED MODIFICATION CONDITIONS - 5% AEP

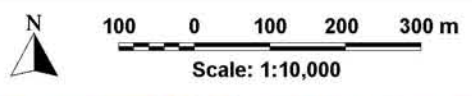


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- PROPOSED DRAINAGE STRATEGY**
- Extent of Widening to Existing Waterway Bridges
 - Upgrades to Pit and Pipe Drainage Network
 - Extent of Widened Carriageway

- STORMWATER CONTROL BASINS**
- Extent of Existing Stormwater Control Basins
 - Water Quality
 - On-site Detention
 - Combined Water Quality and On-site Detention
 - Spill Containment
 - Regional Detention Basins



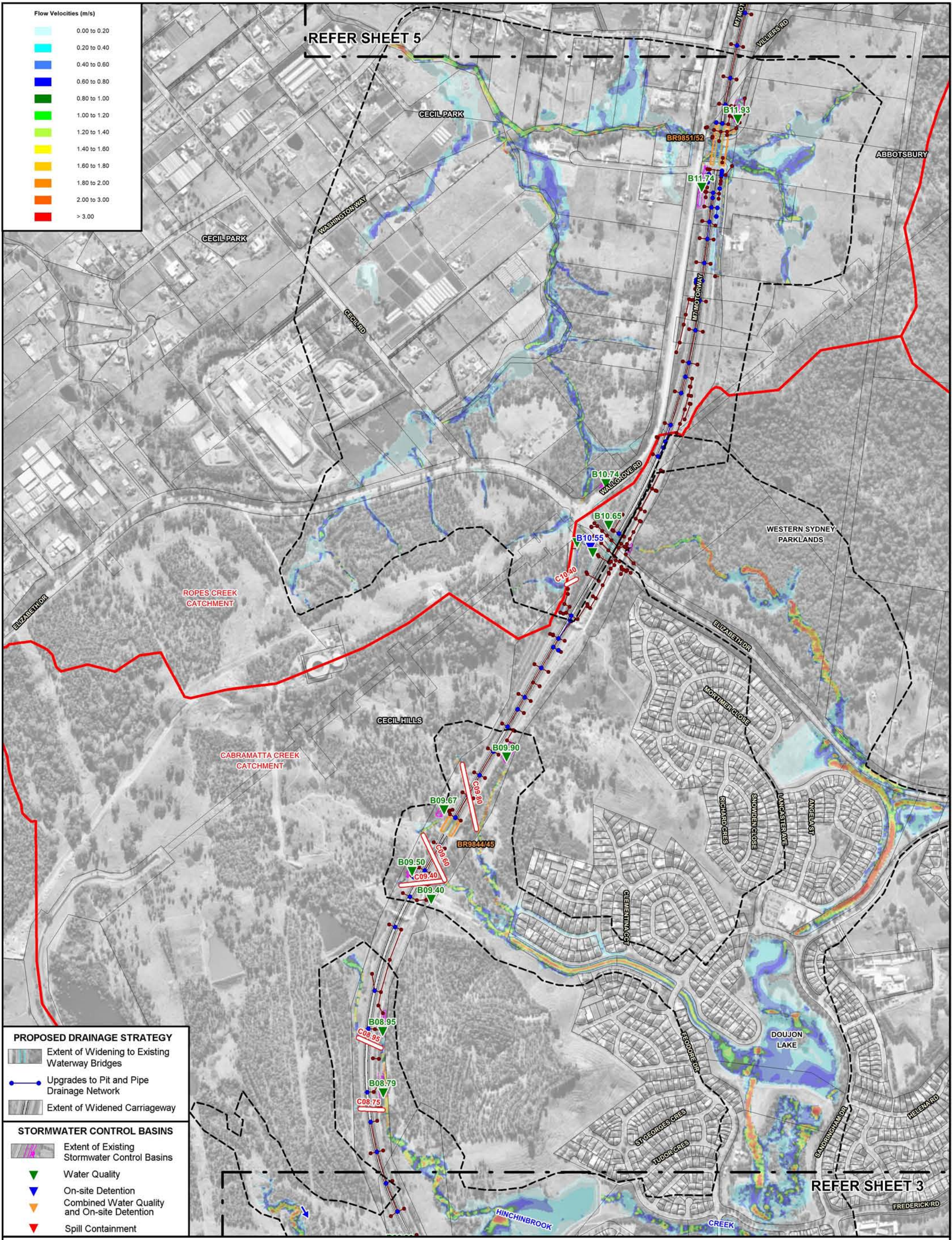
- LEGEND**
- Extent of Major Catchments
 - Existing Bridge Waterway Crossing and Identifier
 - Existing M7 Motorway Pit and Pipe Drainage Network
 - C01.25
 - Extent of Two-Dimensional Hydraulic Model Boundary

**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

Figure C.11
(Sheet 3 of 8)

**MAXIMUM FLOW VELOCITIES
POST-PROPOSED MODIFICATION CONDITIONS - 5% AEP**

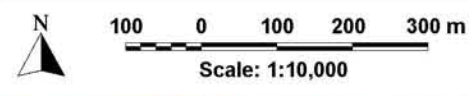


PROPOSED DRAINAGE STRATEGY

- Extent of Widening to Existing Waterway Bridges
- Upgrades to Pit and Pipe Drainage Network
- Extent of Widened Carriageway

STORMWATER CONTROL BASINS

- Extent of Existing Stormwater Control Basins
- Water Quality
- On-site Detention
- Combined Water Quality and On-site Detention
- Spill Containment



LEGEND

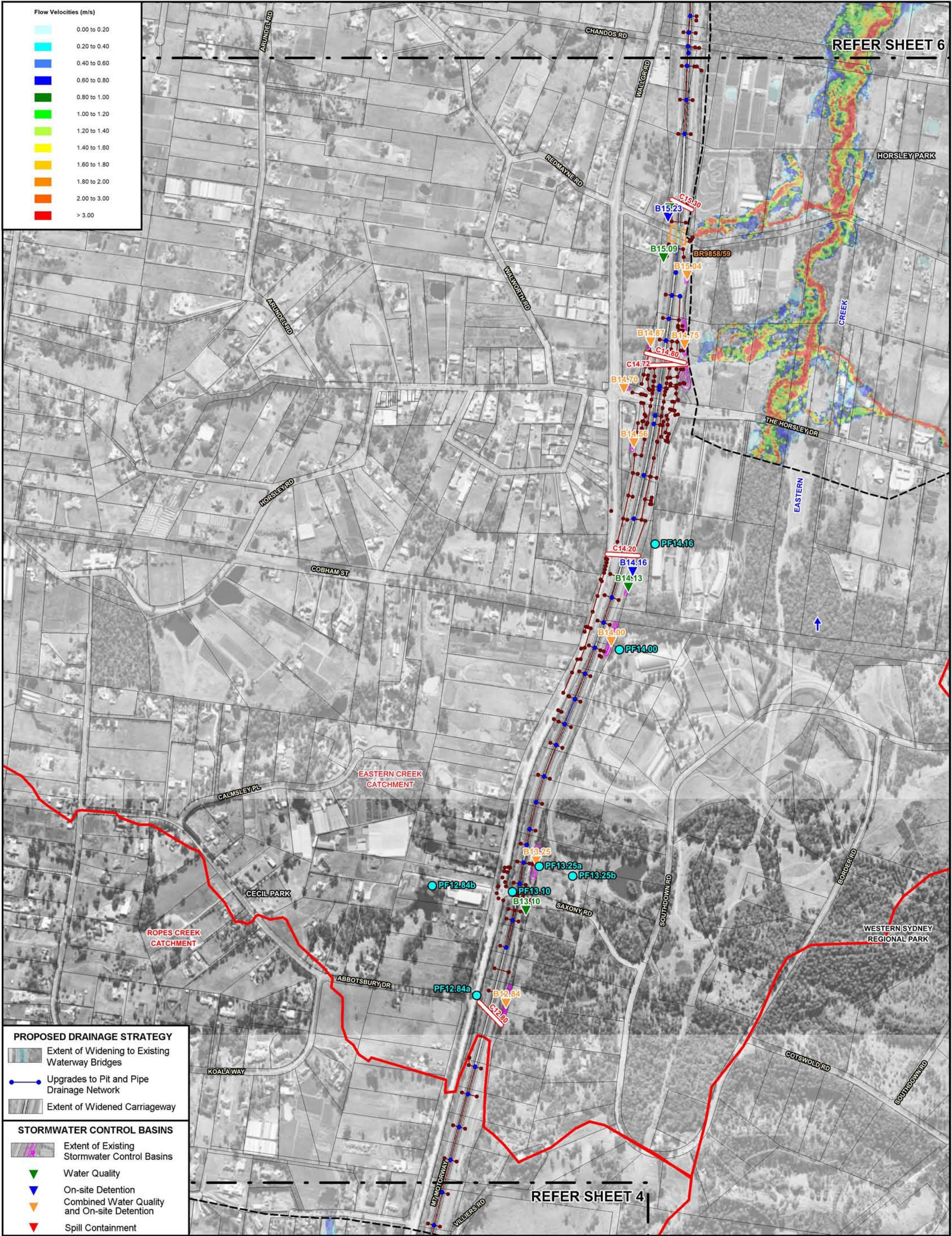
- Extent of Major Catchments
- Existing Bridge Waterway Crossing and Identifier
- Existing M7 Motorway Pit and Pipe Drainage Network
- Existing Transverse Drainage Structure and Identifier
- Extent of Two-Dimensional Hydraulic Model Boundary

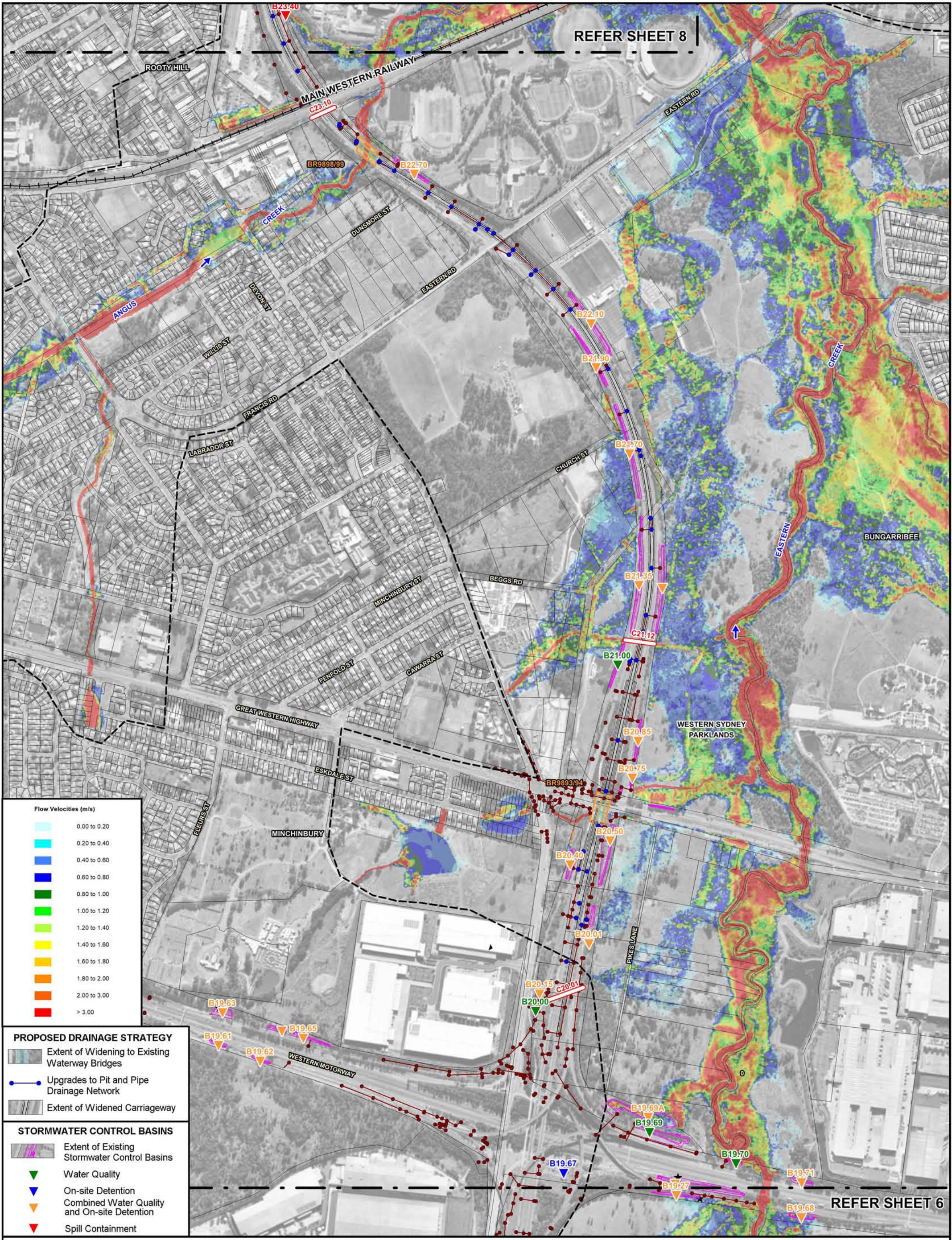
WESTLINK M7 WIDENING

SURFACE WATER AND FLOODING IMPACT ASSESSMENT

Figure C.11
(Sheet 4 of 8)

MAXIMUM FLOW VELOCITIES
POST-PROPOSED MODIFICATION CONDITIONS - 5% AEP





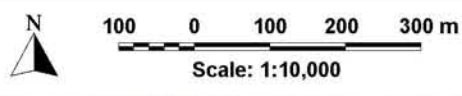
REFER SHEET 8

REFER SHEET 6

Flow Velocities (m/s)

0.00 to 0.20
0.20 to 0.40
0.40 to 0.60
0.60 to 0.80
0.80 to 1.00
1.00 to 1.20
1.20 to 1.40
1.40 to 1.60
1.60 to 1.80
1.80 to 2.00
2.00 to 3.00
> 3.00

- PROPOSED DRAINAGE STRATEGY**
- Extent of Widening to Existing Waterway Bridges
 - Upgrades to Pit and Pipe Drainage Network
 - Extent of Widened Carriageway
- STORMWATER CONTROL BASINS**
- Extent of Existing Stormwater Control Basins
 - Water Quality
 - On-site Detention
 - Combined Water Quality and On-site Detention
 - Spill Containment



- LEGEND**
- Extent of Major Catchments
 - Existing Bridge Waterway Crossing and Identifier
 - Existing M7 Motorway Pit and Pipe Drainage Network
 - Existing Transverse Drainage Structure and Identifier
 - Extent of Two-Dimensional Hydraulic Model Boundary

**WESTLINK M7 WIDENING
SURFACE WATER AND FLOODING IMPACT ASSESSMENT**

Figure C.11
(Sheet 7 of 8)

MAXIMUM FLOW VELOCITIES
POST-PROPOSED MODIFICATION CONDITIONS - 5% AEP