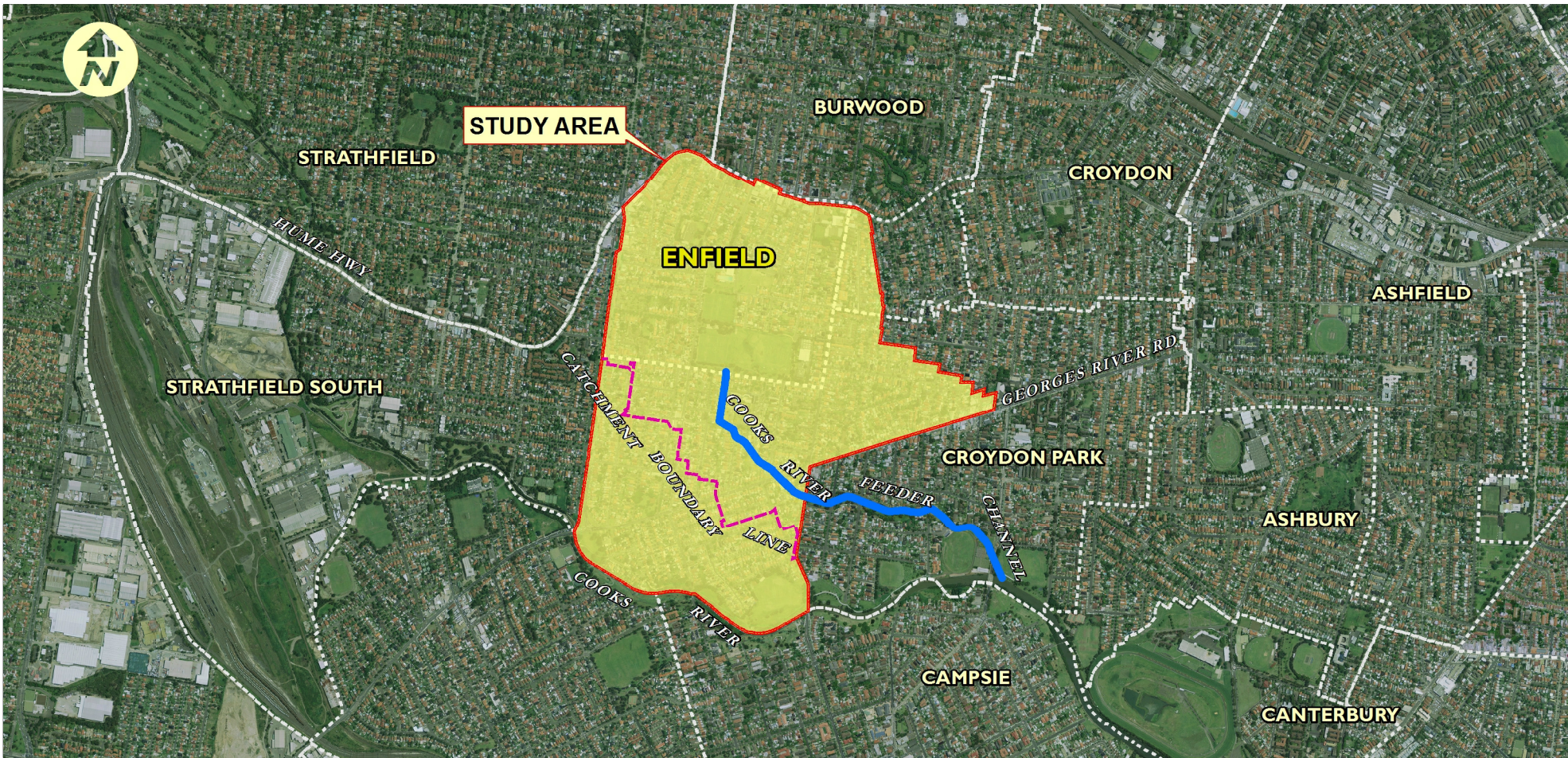


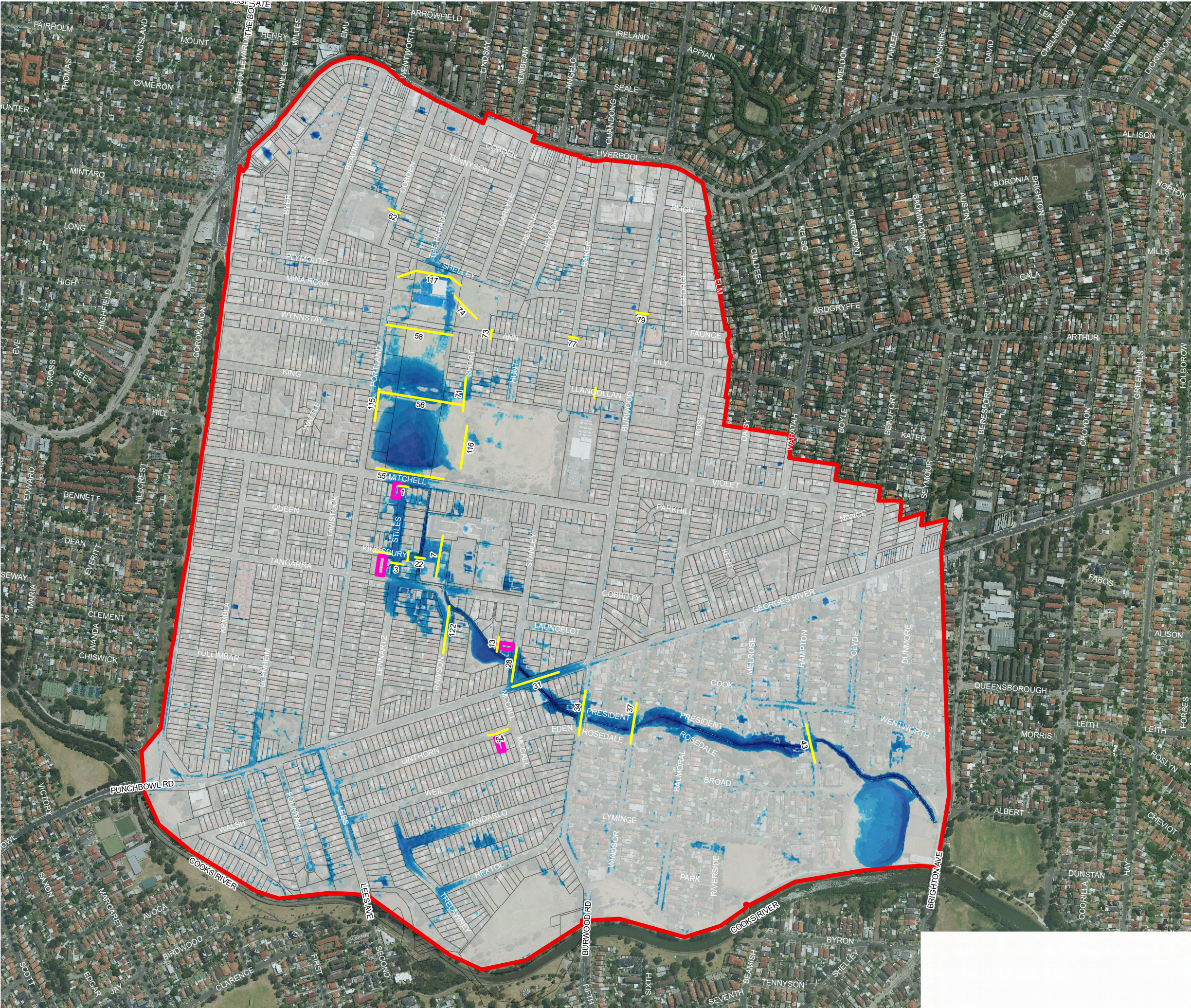
COOKS RIVER CATCHMENT OVERLAND FLOOD STUDY

FOR BURWOOD COUNCIL
VOLUME 3: SENSITIVITY MAPPING



SHEET LIST TABLE

MAP No.	DRAWING ID	DRAWING TITLE
GENERAL		
S1	100y2h_BaseCase	PEAK FLOOD DEPTH FOR 100 YEAR ARI 2 HOUR STORM (BASE CASE)
S2	MAN.01	SENSITIVITY DIFFERENCE ANALYSIS FOR +20% MANNING N
S3	MAN.02	SENSITIVITY DIFFERENCE ANALYSIS FOR -20% MANNING N
S4	SLOPE.01	SENSITIVITY DIFFERENCE ANALYSIS FOR +20% SLOPE AT BOUNDARY CONDITION
S5	SLOPE.02	SENSITIVITY DIFFERENCE ANALYSIS FOR -20% SLOPE AT BOUNDARY CONDITION
S6	COOKSBC.01	SENSITIVITY DIFFERENCE ANALYSIS FOR 20 YEAR COOKS RIVER BOUNDARY CONDITIONS
S7	COOKSBC.02	SENSITIVITY DIFFERENCE ANALYSIS FOR 100 YEAR COOKS RIVER BOUNDARY CONDITIONS
S8	COOKSBC.03	SENSITIVITY DIFFERENCE ANALYSIS FOR COOKS RIVER SEA LEVEL RISE BOUNDARY CONDITIONS
S9	KU.01	SENSITIVITY DIFFERENCE ANALYSIS FOR +20% KU PIPE LOSS
S10	KU.02	SENSITIVITY DIFFERENCE ANALYSIS FOR -20% KU PIPE LOSS
S11	IL.01	SENSITIVITY DIFFERENCE ANALYSIS FOR +10% INITIAL LOSS
S12	IL.02	SENSITIVITY DIFFERENCE ANALYSIS FOR -10% INITIAL LOSS
S13	CL.01	SENSITIVITY DIFFERENCE ANALYSIS FOR +10% CONTINUOUS LOSS
S14	CL.02	SENSITIVITY DIFFERENCE ANALYSIS FOR -10% CONTINUOUS LOSS
S15	BLOCK.01	SENSITIVITY DIFFERENCE ANALYSIS FOR 20% BLOCKAGE IN PITS
S16	BLOCK.02	SENSITIVITY DIFFERENCE ANALYSIS FOR 100% BLOCKAGE IN PITS 50% BLOCKAGE IN CULVERTS
S17	BLOCK.03	SENSITIVITY DIFFERENCE ANALYSIS FOR 100% BLOCKAGE IN PITS 100% BLOCKAGE IN CULVERTS
S18	CC.01	SENSITIVITY DIFFERENCE ANALYSIS FOR +10% RAINFALL CLIMATE CHANGE
S19	CC.02	SENSITIVITY DIFFERENCE ANALYSIS FOR +20% RAINFALL CLIMATE CHANGE
S20	CC.03	SENSITIVITY DIFFERENCE ANALYSIS FOR +30% RAINFALL CLIMATE CHANGE



Legend

- Measuring Stations
- Study Area
- Community Consultation
- Cadastral

Depth (m)

- < 0.15
- 0.15 - 0.2
- 0.2
- 0.2 - 0.3
- 0.3 - 0.5
- 0.5 - 0.75
- 0.75 - 1
- 1.0 - 1.5
- 1.5 - 2
- > 2



0 50 100 200 300 Metres

Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY FOR
BURWOOD COUNCIL**

Drawing Title

**PEAK FLOOD DEPTH FOR 100 YEAR
ARI 120 MINUTE DURATION STORM
(BASE CASE)**

Scale 1:8,000 @ A3

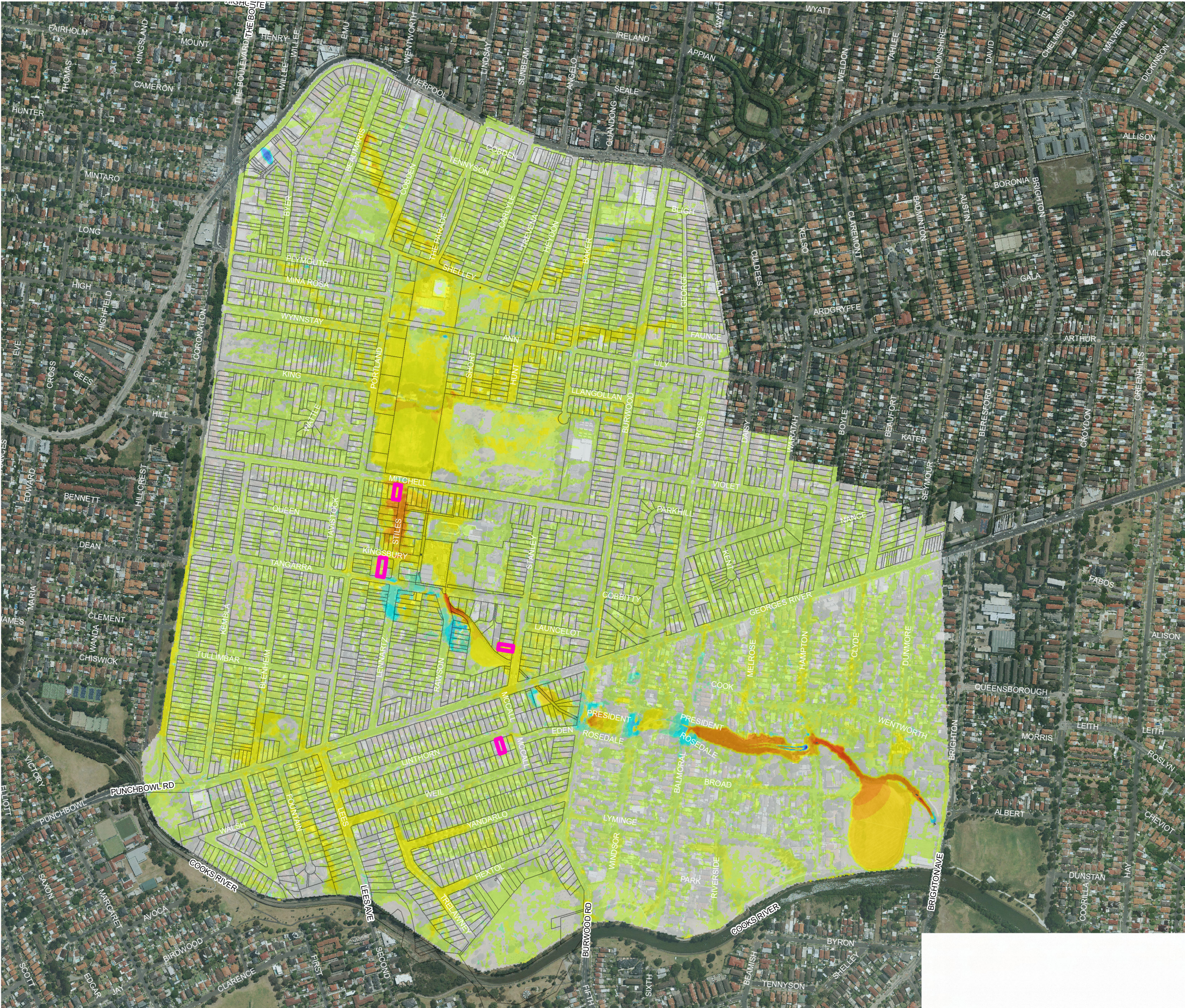
Drawn JT

Checked PB

Job No. X12342

Drawing ID 100y2h_Base

Map No.

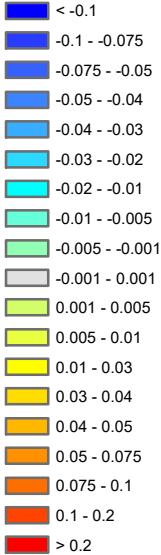


Legend

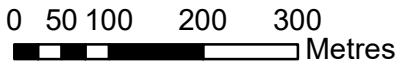
Community Consultation

Cadastre

Difference (m)



N



Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
+ 20% MANNING N**

Scale 1:8,000 @ A3

Drawn JT

Checked PB

Job No. X12342

Drawing ID MAN.01

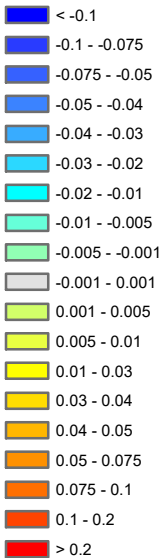
Map No.

Legend

 Community Consultation

 Cadastre

Difference (m)



N



Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
- 20% MANNING N**

Scale 1:8,000 @ A3

Drawn JT

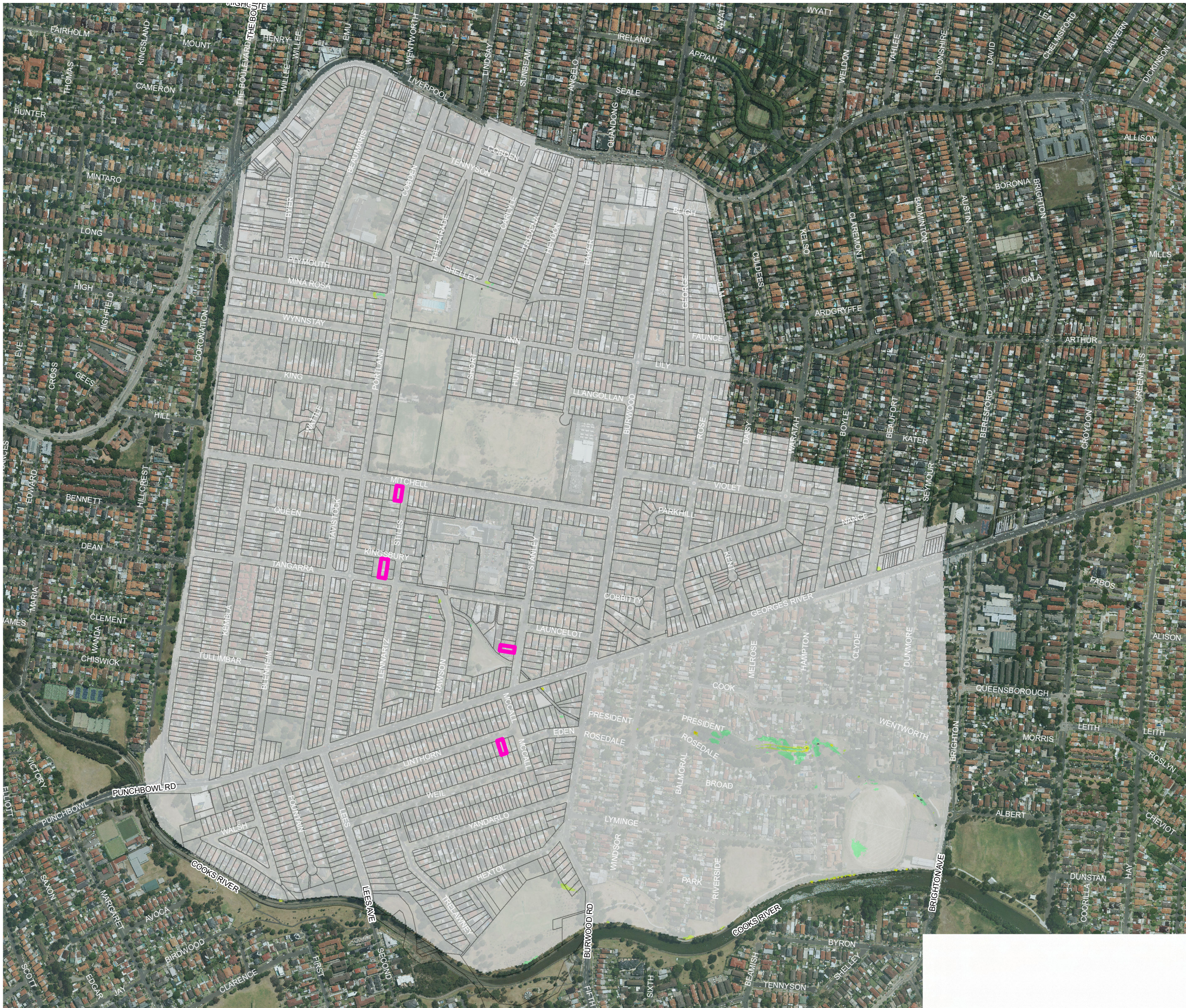
Checked PB

Job No. X12342

Drawing ID MAN.02

Map No.

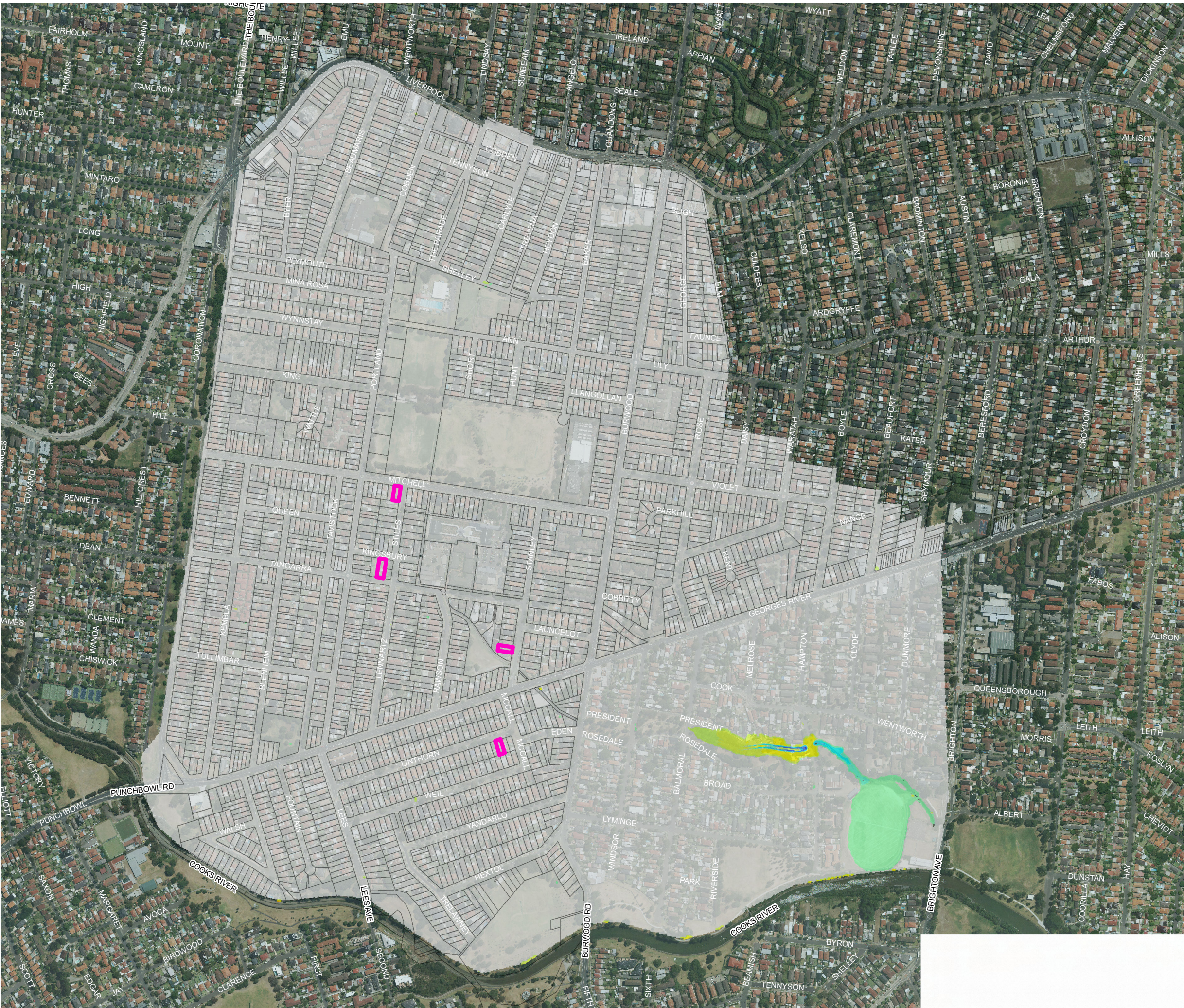
S3



 > 0.2



S4

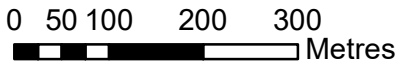
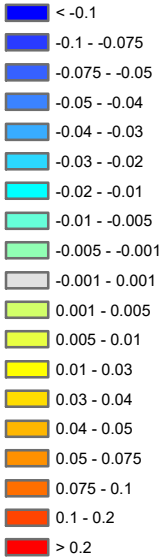


Legend

Community Consultation

Cadastre

Difference (m)



Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
-20% SLOPE AT BOUNDARY
CONDITION**

Scale 1:8,000 @ A3

Drawn JT

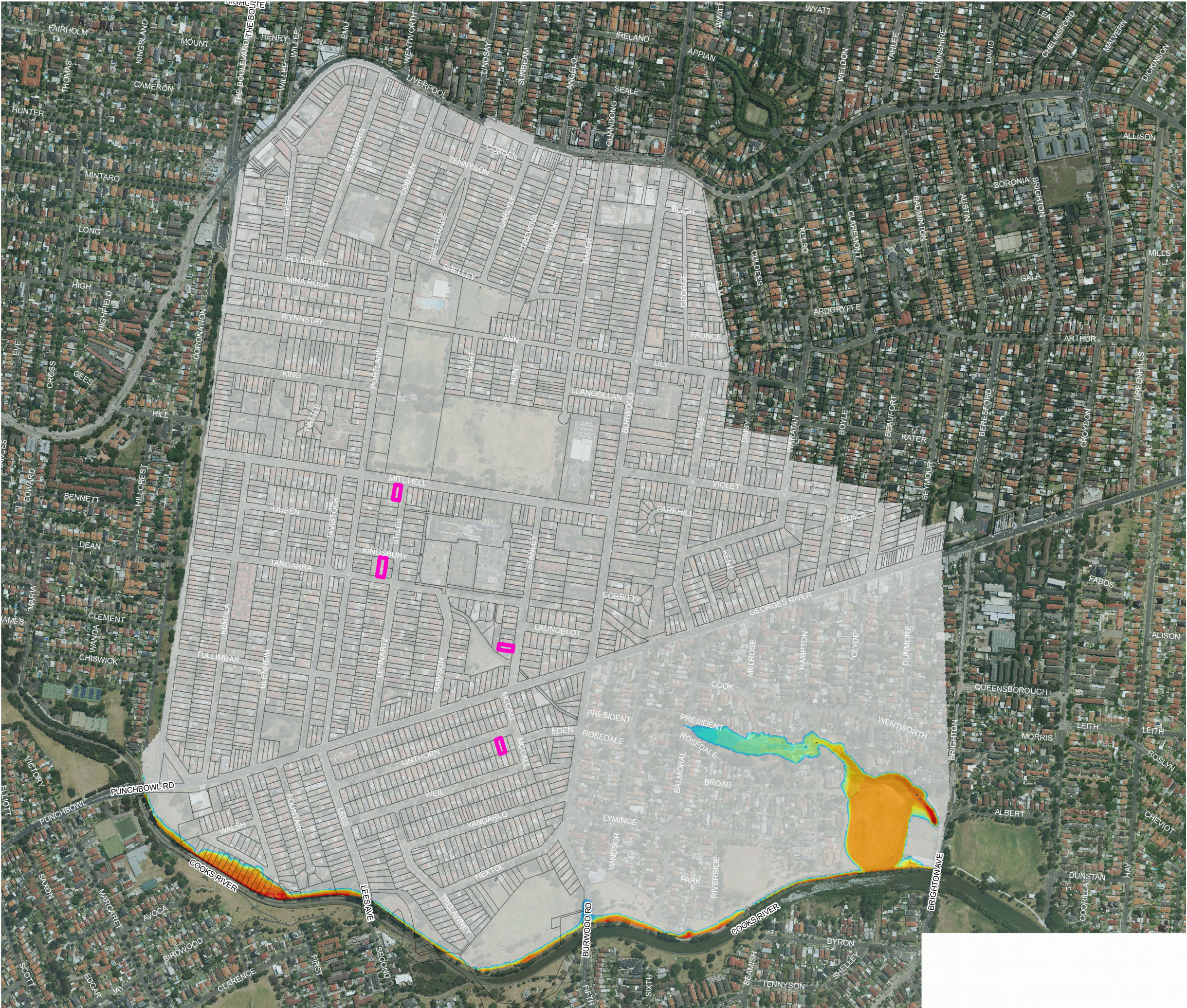
Checked PB

Job No. X12342

Drawing ID SLOPE.02

Map No.

S5



Legend

- Community Consultation
- Cadastre
- Difference (m)
- < -0.2
- 0.2 - -0.1
- 0.1 - -0.05
- 0.05 - -0.01
- 0.01 - 0.01
- 0.01 - 0.025
- 0.025 - 0.05
- 0.05 - 0.075
- 0.075 - 0.1
- 0.1 - 0.125
- 0.125 - 0.15
- 0.15 - 0.2
- 0.2 - 0.25
- 0.25 - 0.3
- 0.3 - 0.35
- 0.35 - 0.4
- 0.4 - 0.45
- 0.45 - 0.5
- 0.5 - 0.75
- 0.75 - 1
- 1.0 - 1.25
- 1.25 - 1.5
- 1.5 - 2
- > 2.0



0 50 100 200 300
Metres

Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
20 YEAR COOKS RIVER
BOUNDARY CONDITIONS**

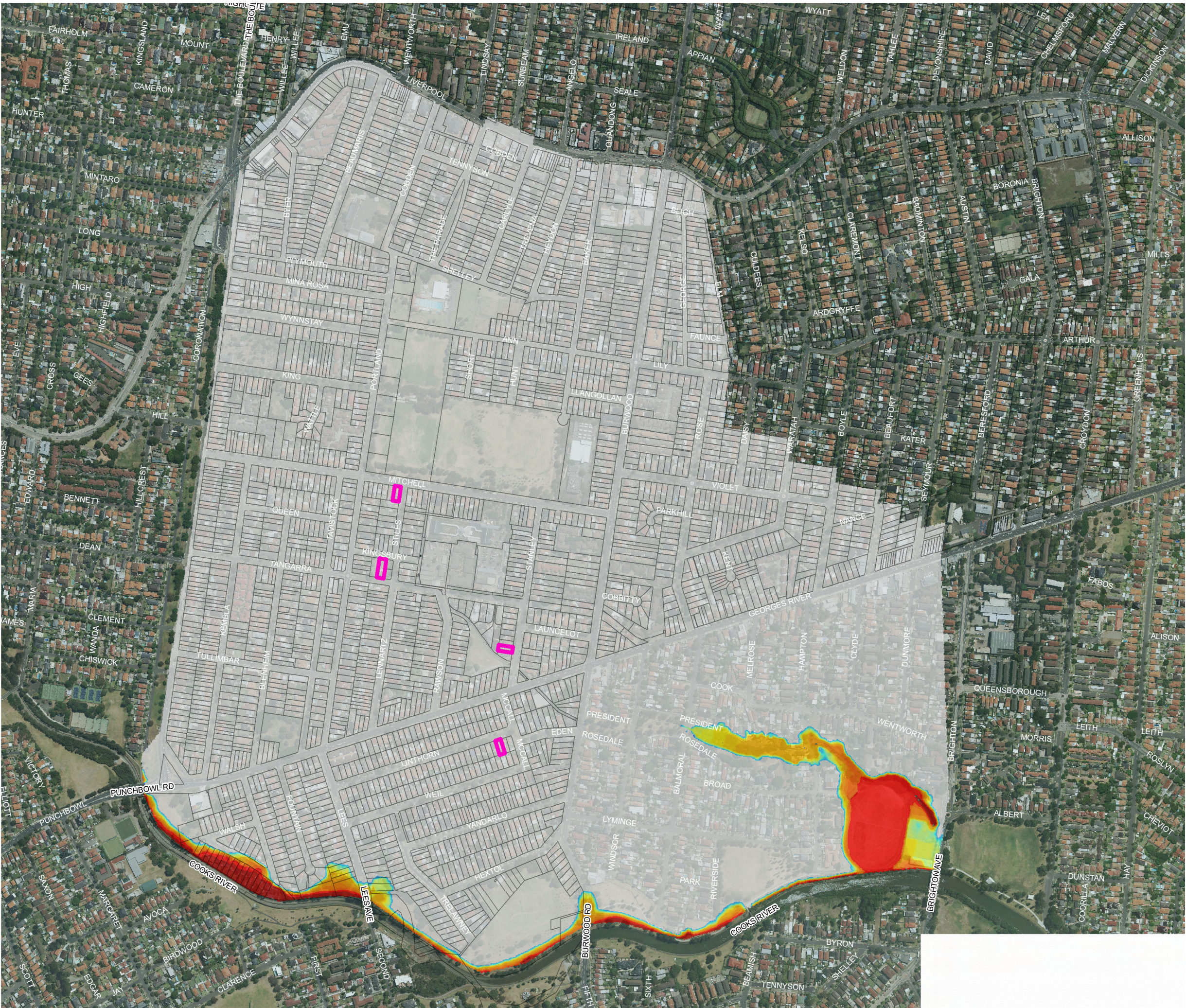
Scale 1:8,000 @ A3

Drawn JT

Checked PB

Job No. X12342

Drawing ID COOKSBC.01

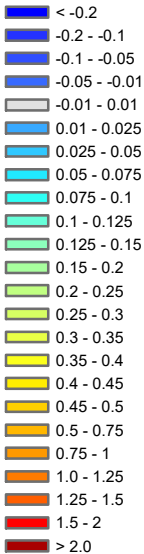


Legend

Community Consultation

Cadastre

Difference (m)



Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
100 YEAR COOKS RIVER
BOUNDARY CONDITIONS**

Scale 1:8,000 @ A3

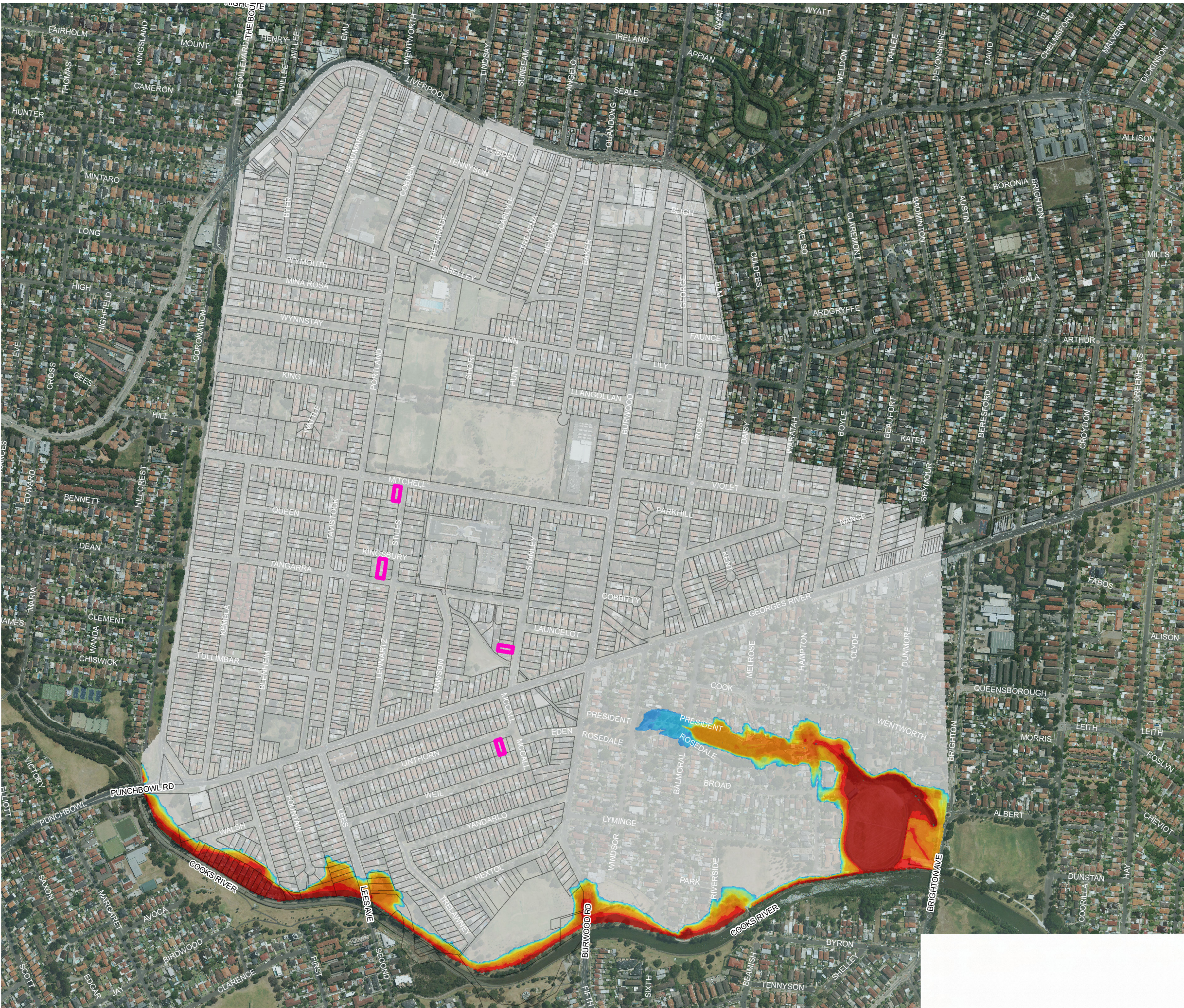
Drawn JT

Checked PB

Job No. X12342

Drawing ID COOKSBC.02

Map No.

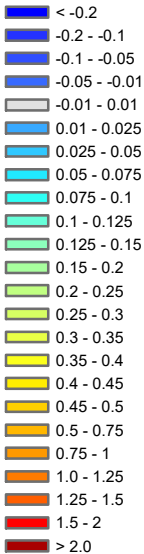


Legend

Community Consultation

Cadastre

Difference (m)



Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
COOKS RIVER SEA LEVEL RISE
BOUNDARY CONDITIONS**

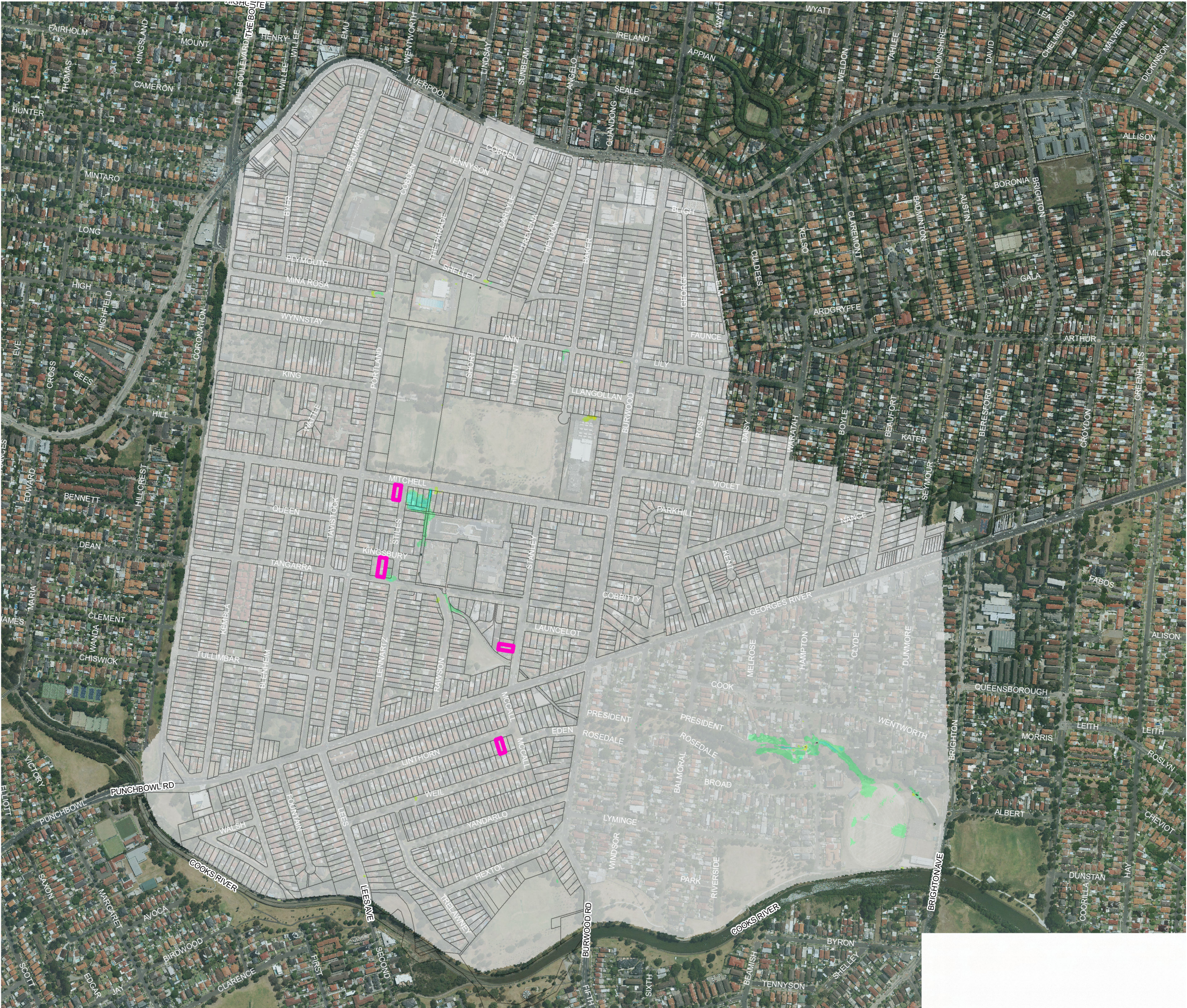
Scale 1:8,000 @ A3

Drawn JT

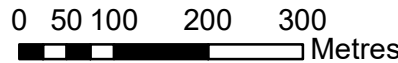
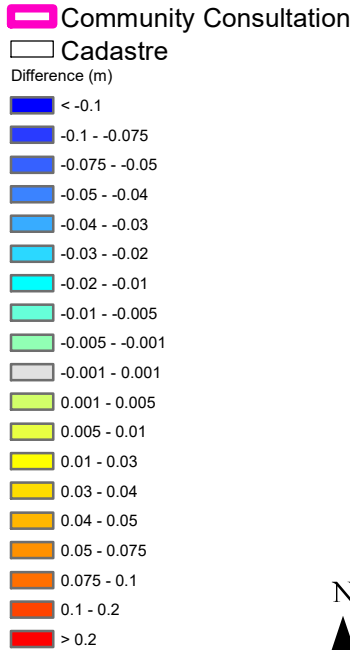
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Job No. X12342

Drawing ID COOKSBC.03



Legend



Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
+20% KU PIPE LOSS**

Scale 1:8,000 @ A3

Drawn JT

Checked PB

Job No. X12342

Drawing ID KU.01



Legend

- Community Consultation
- Cadastre
- Difference (m)
 - < -0.1
 - 0.1 - -0.075
 - 0.075 - -0.05
 - 0.05 - -0.04
 - 0.04 - -0.03
 - 0.03 - -0.02
 - 0.02 - -0.01
 - 0.01 - -0.005
 - 0.005 - -0.001
 - 0.001 - 0.001
 - 0.001 - 0.005
 - 0.005 - 0.01
 - 0.01 - 0.03
 - 0.03 - 0.04
 - 0.04 - 0.05
 - 0.05 - 0.075
 - 0.075 - 0.1
 - 0.1 - 0.2
 - > 0.2



0 50 100 200 300
Metres

Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
-20% KU PIPE LOSS**

Scale 1:8,000 @ A3

Drawn JT

Checked PB

Job No. X12342

Drawing ID KU.02



Legend

- Community Consultation
- Cadastre
- Difference (m)
 - < -0.1
 - 0.1 - -0.075
 - 0.075 - -0.05
 - 0.05 - -0.04
 - 0.04 - -0.03
 - 0.03 - -0.02
 - 0.02 - -0.01
 - 0.01 - -0.005
 - 0.005 - -0.001
 - 0.001 - 0.001
 - 0.001 - 0.005
 - 0.005 - 0.01
 - 0.01 - 0.03
 - 0.03 - 0.04
 - 0.04 - 0.05
 - 0.05 - 0.075
 - 0.075 - 0.1
 - 0.1 - 0.2
 - > 0.2



0 50 100 200 300
Metres

Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
+10% INITIAL LOSS**

Scale 1:8,000 @ A3
Drawn JT
Checked PB
Job No. X12342
Drawing ID IL.01



Legend

- Community Consultation
- Cadastre
- Difference (m)
 - < -0.1
 - 0.1 - -0.075
 - 0.075 - -0.05
 - 0.05 - -0.04
 - 0.04 - -0.03
 - 0.03 - -0.02
 - 0.02 - -0.01
 - 0.01 - -0.005
 - 0.005 - -0.001
 - 0.001 - 0.001
 - 0.001 - 0.005
 - 0.005 - 0.01
 - 0.01 - 0.03
 - 0.03 - 0.04
 - 0.04 - 0.05
 - 0.05 - 0.075
 - 0.075 - 0.1
 - 0.1 - 0.2
 - > 0.2



0 50 100 200 300 Metres

Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
-10% INITIAL LOSS**

Scale 1:8,000 @ A3
Drawn JT
Checked PB
Job No. X12342
Drawing ID IL.02

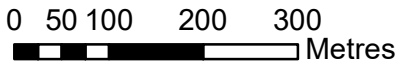
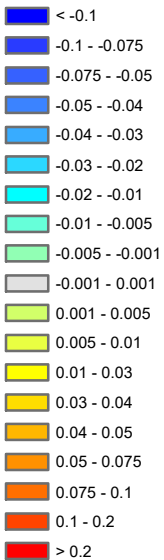


Legend

Community Consultation

Cadastre

Difference (m)



Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
+10% CONTINUOUS LOSS**

Scale 1:8,000 @ A3

Drawn JT

Checked PB

Job No. X12342

Drawing ID CL.01

Map No.



Legend

- Community Consultation
- Cadastral
- Difference (m)
 - < -0.1
 - 0.1 - -0.075
 - 0.075 - -0.05
 - 0.05 - -0.04
 - 0.04 - -0.03
 - 0.03 - -0.02
 - 0.02 - -0.01
 - 0.01 - -0.005
 - 0.005 - -0.001
 - 0.001 - 0.001
 - 0.001 - 0.005
 - 0.005 - 0.01
 - 0.01 - 0.03
 - 0.03 - 0.04
 - 0.04 - 0.05
 - 0.05 - 0.075
 - 0.075 - 0.1
 - 0.1 - 0.2
 - > 0.2



0 50 100 200 300
Metres

Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

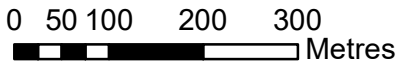
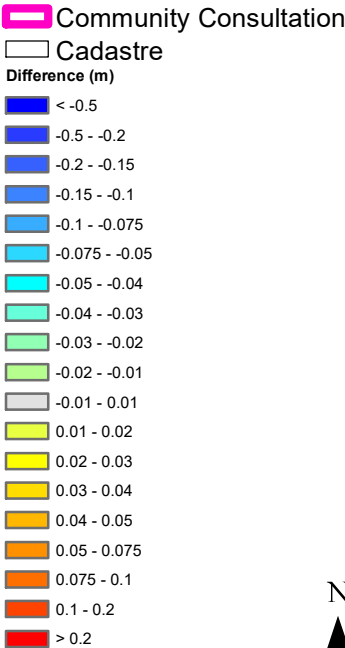
Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
-10% CONTINUOUS LOSS**

Scale	1:8,000 @ A3
Drawn	JT
Checked	PB
Job No.	X12342
Drawing ID	CL.02



Legend



Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR 20% BLOCKAGE IN
PITS**

Scale 1:8,000 @ A3

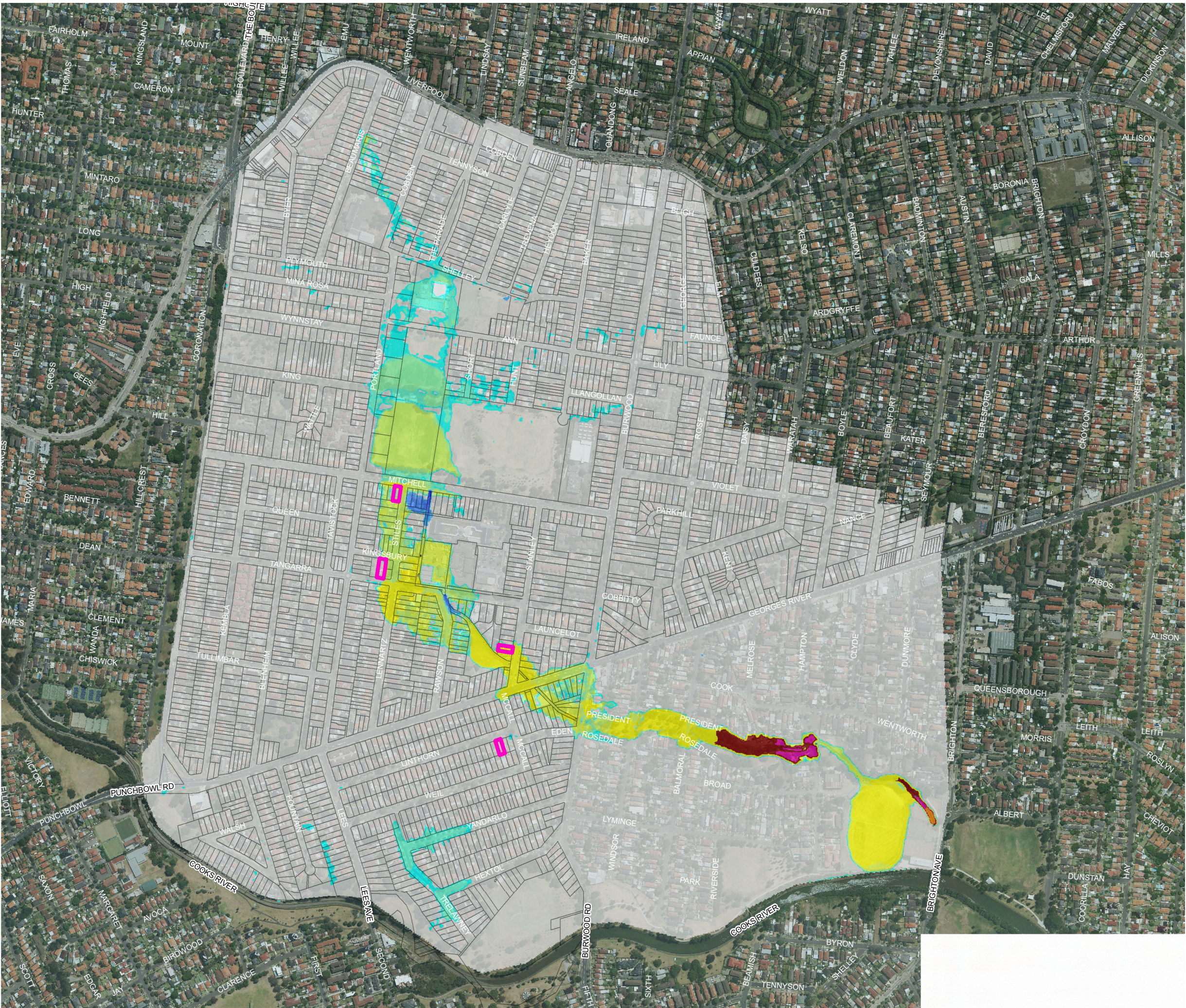
Drawn JT

Checked PB

Job No. X12342

Drawing ID BLOCK.01

Map No.



Legend

- Community Consultation
- Cadastre
- Difference (m)**
 - < -0.2
 - 0.2 - -0.15
 - 0.15 - -0.1
 - 0.1 - -0.05
 - 0.05 - -0.01
 - 0.01 - 0.01
 - 0.01 - 0.02
 - 0.02 - 0.03
 - 0.03 - 0.04
 - 0.04 - 0.05
 - 0.05 - 0.075
 - 0.075 - 0.1
 - 0.1 - 0.2
 - 0.2 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 1.5
 - 1.5 - 2
 - > 2



0 50 100 200 300
Metres

Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
100% BLOCKAGE IN PITS
50% BLOCKAGE IN CULVERTS**

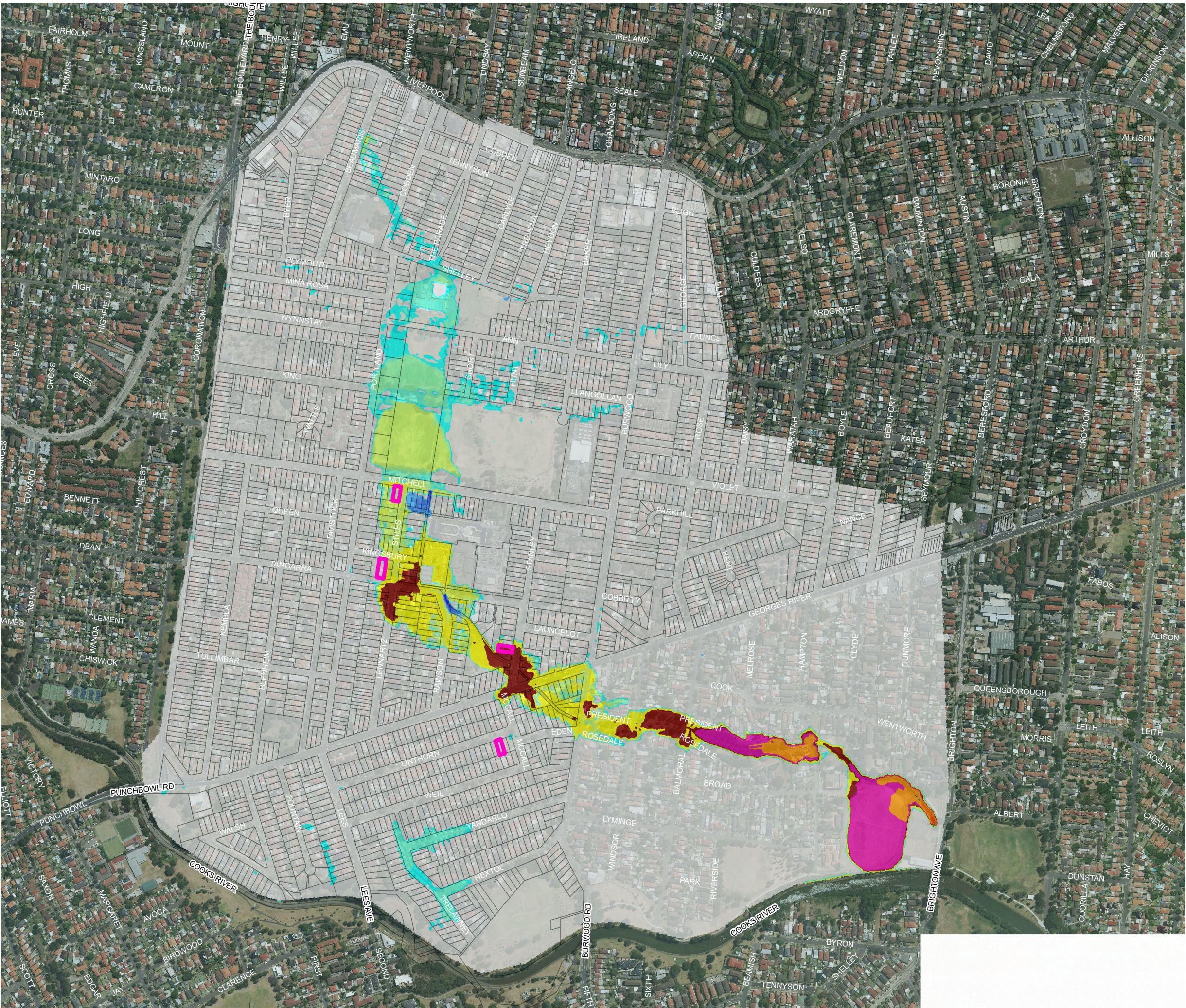
Scale 1:8,000 @ A3

Drawn JT

Checked PB

Job No. X12342

Drawing ID BLOCK.02



Legend

- Community Consultation
- Cadastre
- Difference (m)
 - < -0.2
 - 0.2 - -0.15
 - 0.15 - -0.1
 - 0.1 - -0.05
 - 0.05 - -0.01
 - 0.01 - 0.01
 - 0.01 - 0.02
 - 0.02 - 0.03
 - 0.03 - 0.04
 - 0.04 - 0.05
 - 0.05 - 0.075
 - 0.075 - 0.1
 - 0.1 - 0.2
 - 0.2 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 1.5
 - 1.5 - 2
 - > 2



0 50 100 200 300
Metres

Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
100% BLOCKAGE IN PITS
100% BLOCKAGE IN CULVERTS**

Scale 1:8,000 @ A3

Drawn JT

Checked PB

Job No. X12342

Drawing ID BLOCK.03



Legend

- Community Consultation
- Cadastral
- Difference (m)
 - < -0.5
 - 0.5 - -0.2
 - 0.2 - -0.15
 - 0.15 - -0.1
 - 0.1 - -0.075
 - 0.075 - -0.05
 - 0.05 - -0.04
 - 0.04 - -0.03
 - 0.03 - -0.02
 - 0.02 - -0.01
 - 0.1 - 0.01
 - 0.01 - 0.02
 - 0.02 - 0.03
 - 0.03 - 0.04
 - 0.04 - 0.05
 - 0.05 - 0.075
 - 0.075 - 0.1
 - 0.1 - 0.2
 - > 0.2



0 50 100 200 300
Metres

Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
+20% RAINFALL CLIMATE CHANGE**

Scale 1:8,000 @ A3

Drawn JT

Checked PB

Job No. X12342

Drawing ID CC.02

Map No.

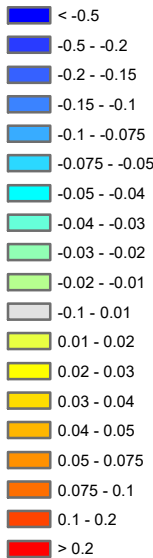


Legend

Community Consultation

Cadastre

Difference (m)



Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
+20% RAINFALL CLIMATE CHANGE**

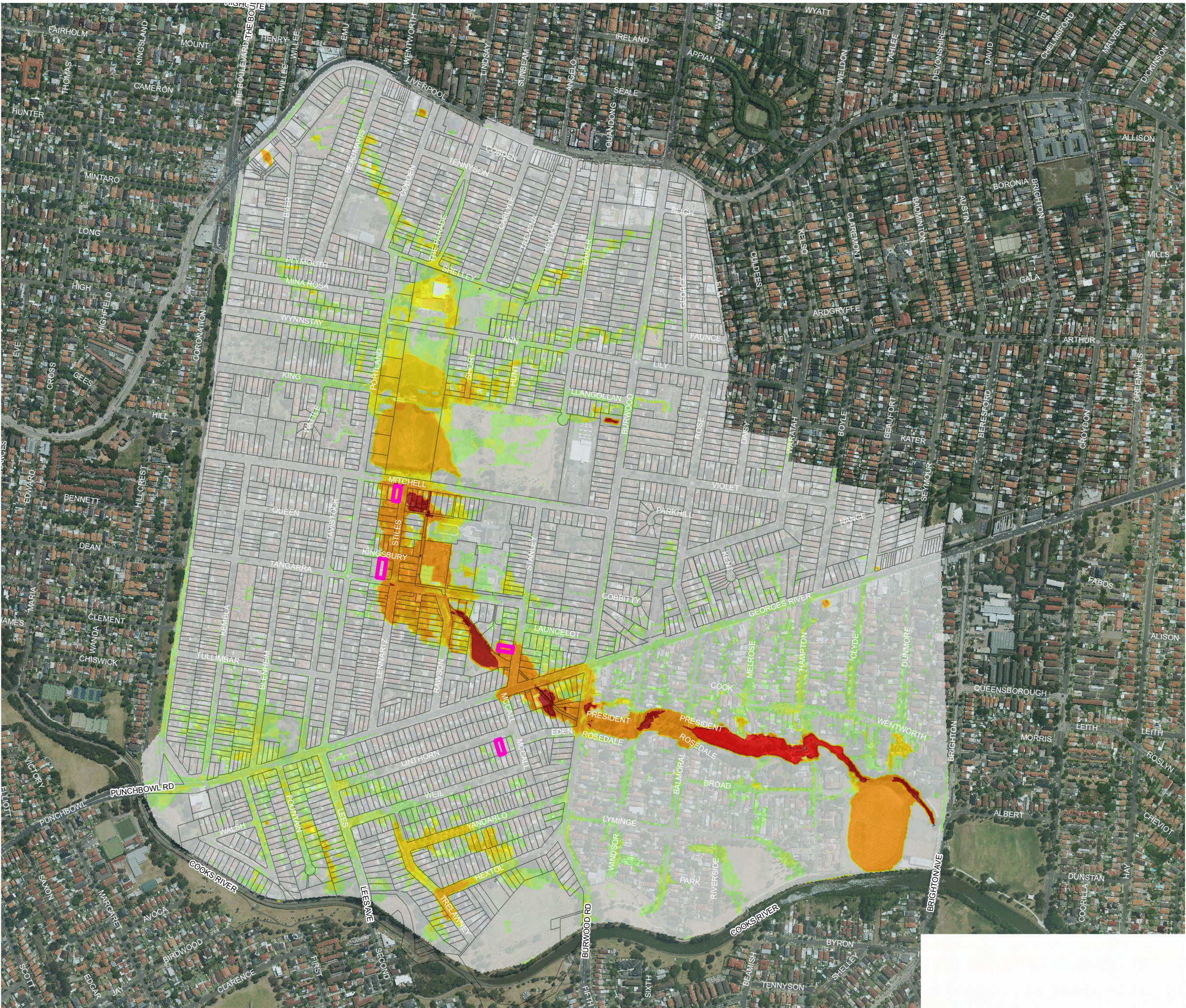
Scale 1:8,000 @ A3

Drawn JT

Checked PB

Job No. X12342

Drawing ID CC.02

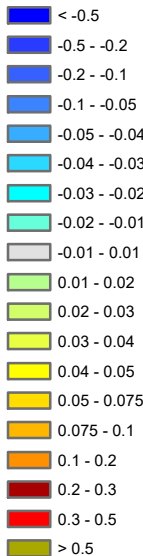


Legend

 Community Consultation

 Cadastre

Difference (m)



Details

Issue	Amendment	Date
A	DRAFT A	JUNE 13
B	DRAFT B	FEB 14
C	DRAFT C	MAY 14
D	SUBMISSION D	AUG 16

Project

**COOKS RIVER CATCHMENT
OVERLAND FLOOD STUDY
FOR BURWOOD COUNCIL**

Drawing Title

**SENSITIVITY DIFFERENCE
ANALYSIS FOR
+30% RAINFALL CLIMATE CHANGE**

Scale 1:8,000 @ A3

Drawn JT

Checked PB

Job No. X12342

Drawing ID CC.03

Map No.