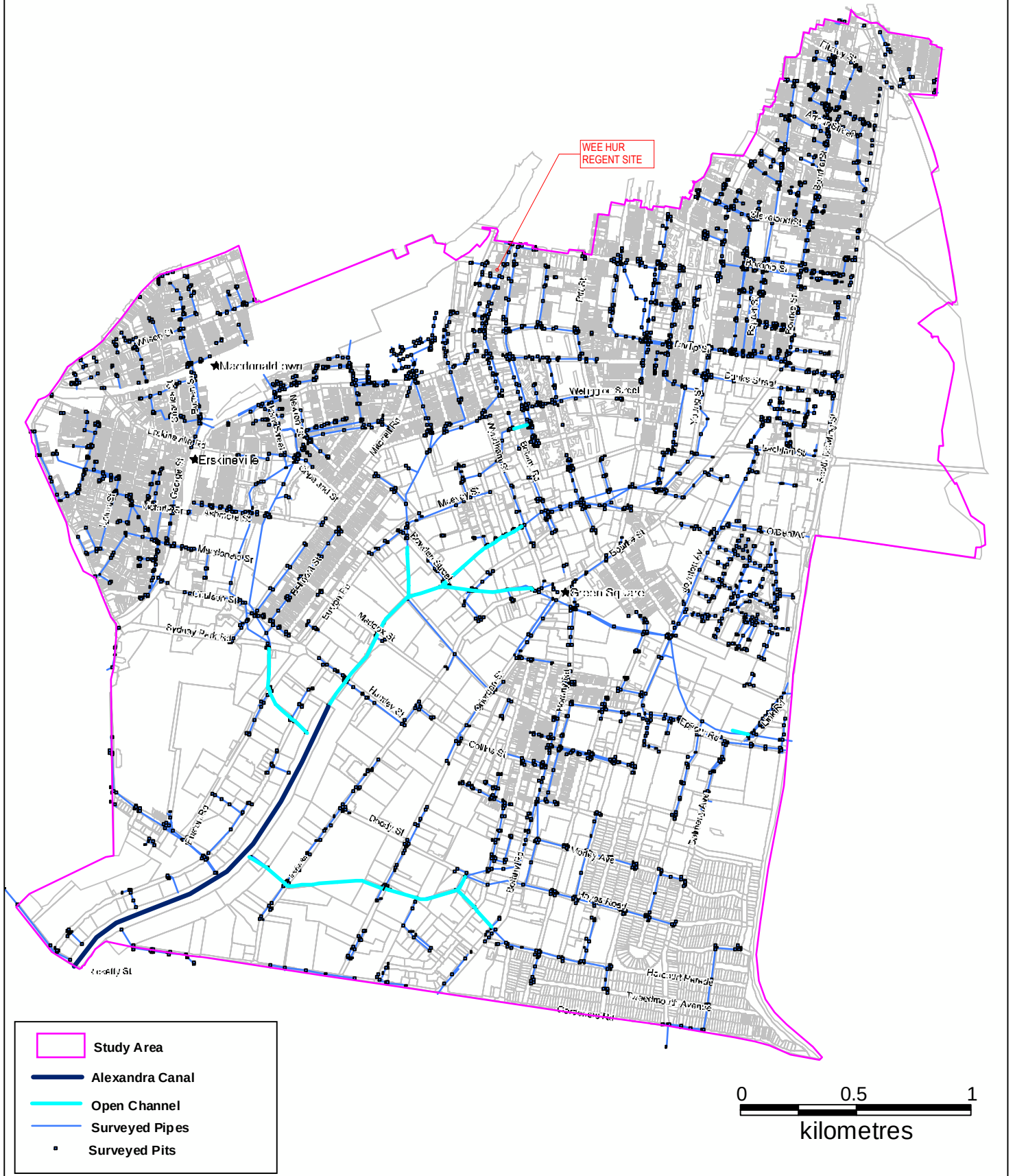
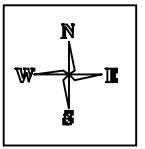


APPENDIX A01



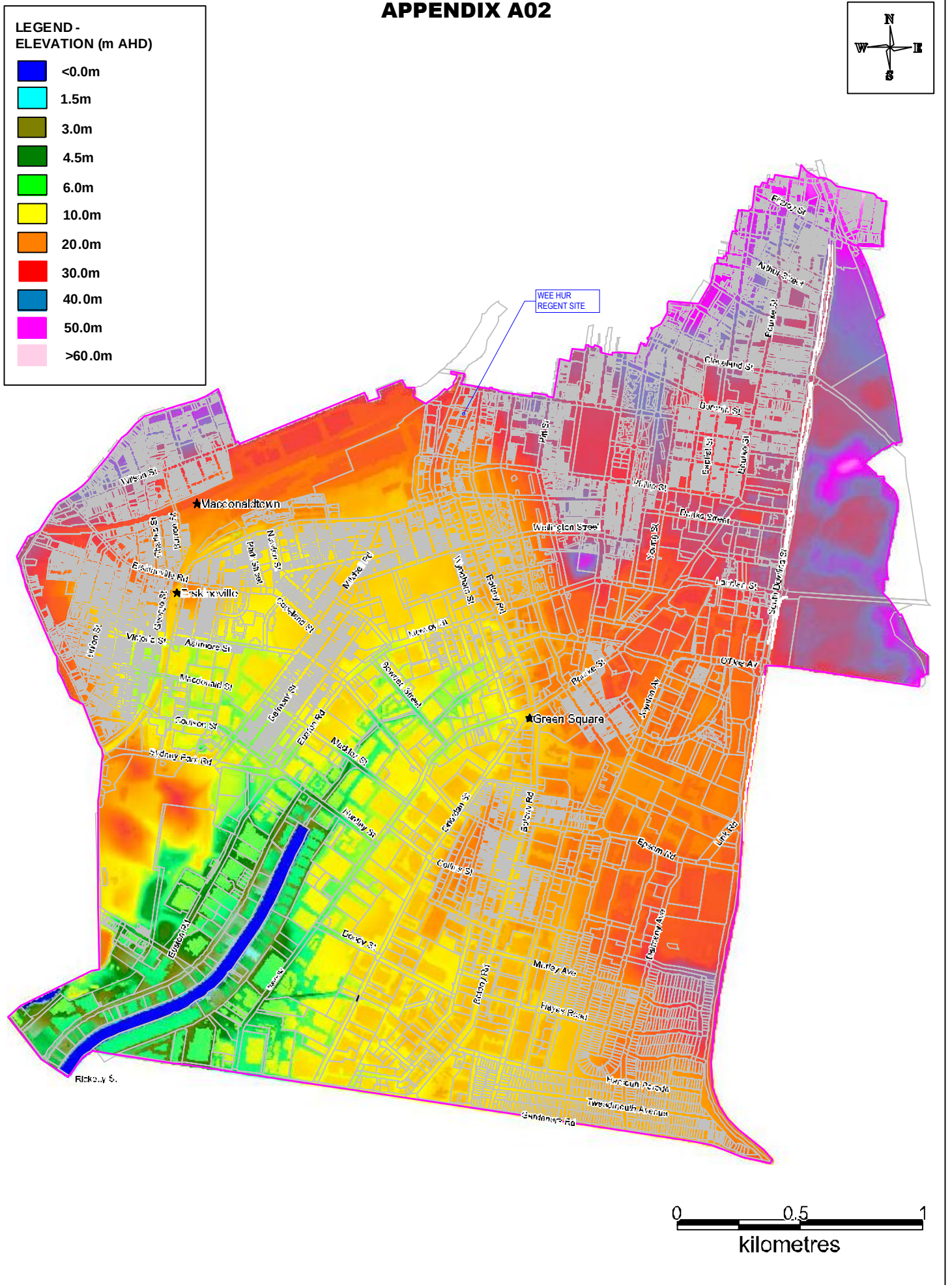
ALEXANDRA CANAL CATCHMENT FLOOD STUDY

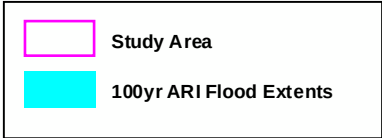
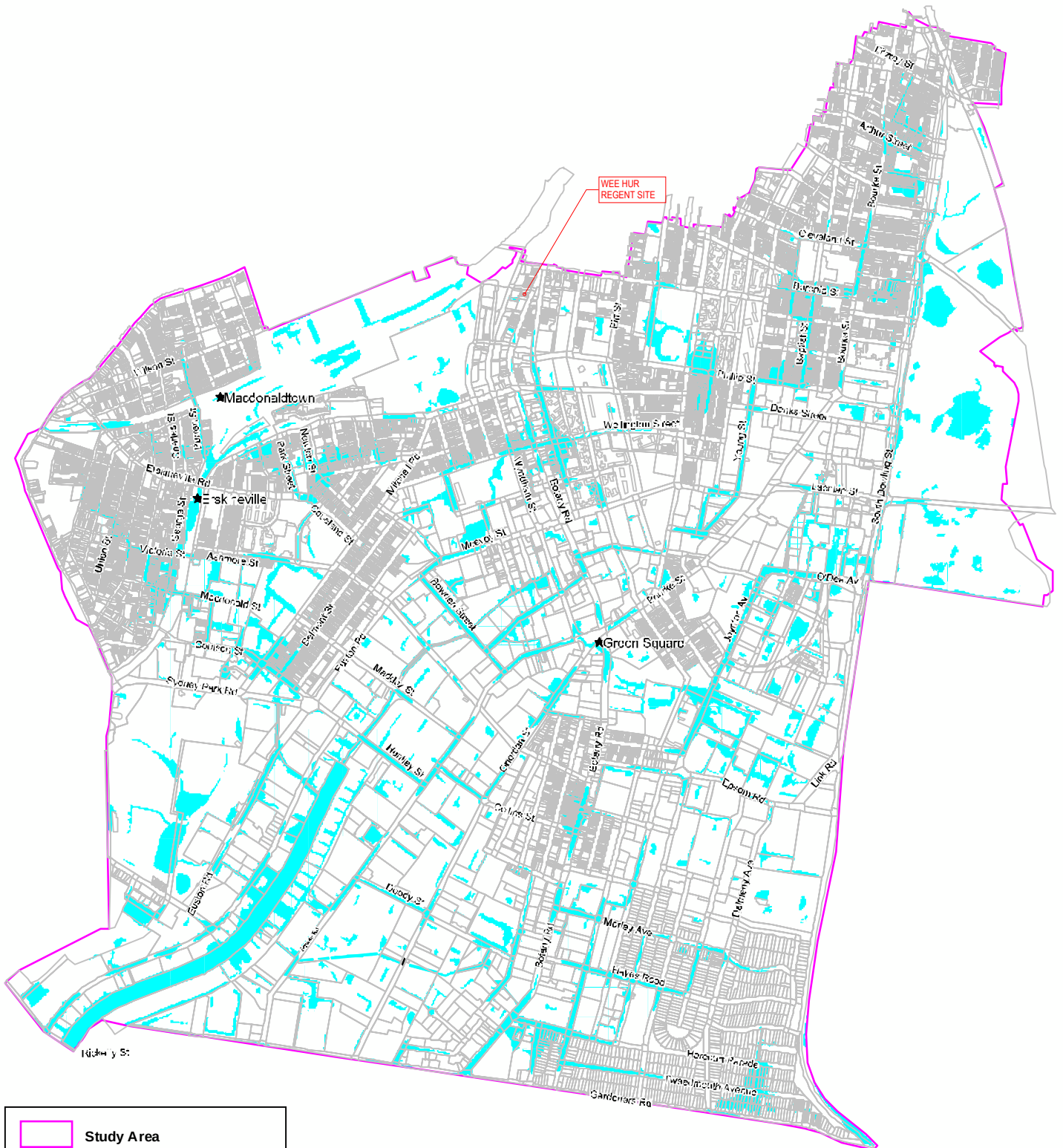
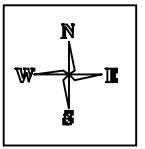
Figure 4.3

1D Network

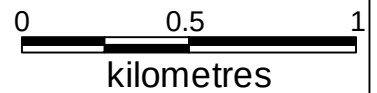
Final

APPENDIX A02





Note: Results filtered to show areas where depth ≥ 0.15 m or velocity-depth product $\geq 0.1 \text{ m}^2/\text{s}$ (as described in Section 6.1).



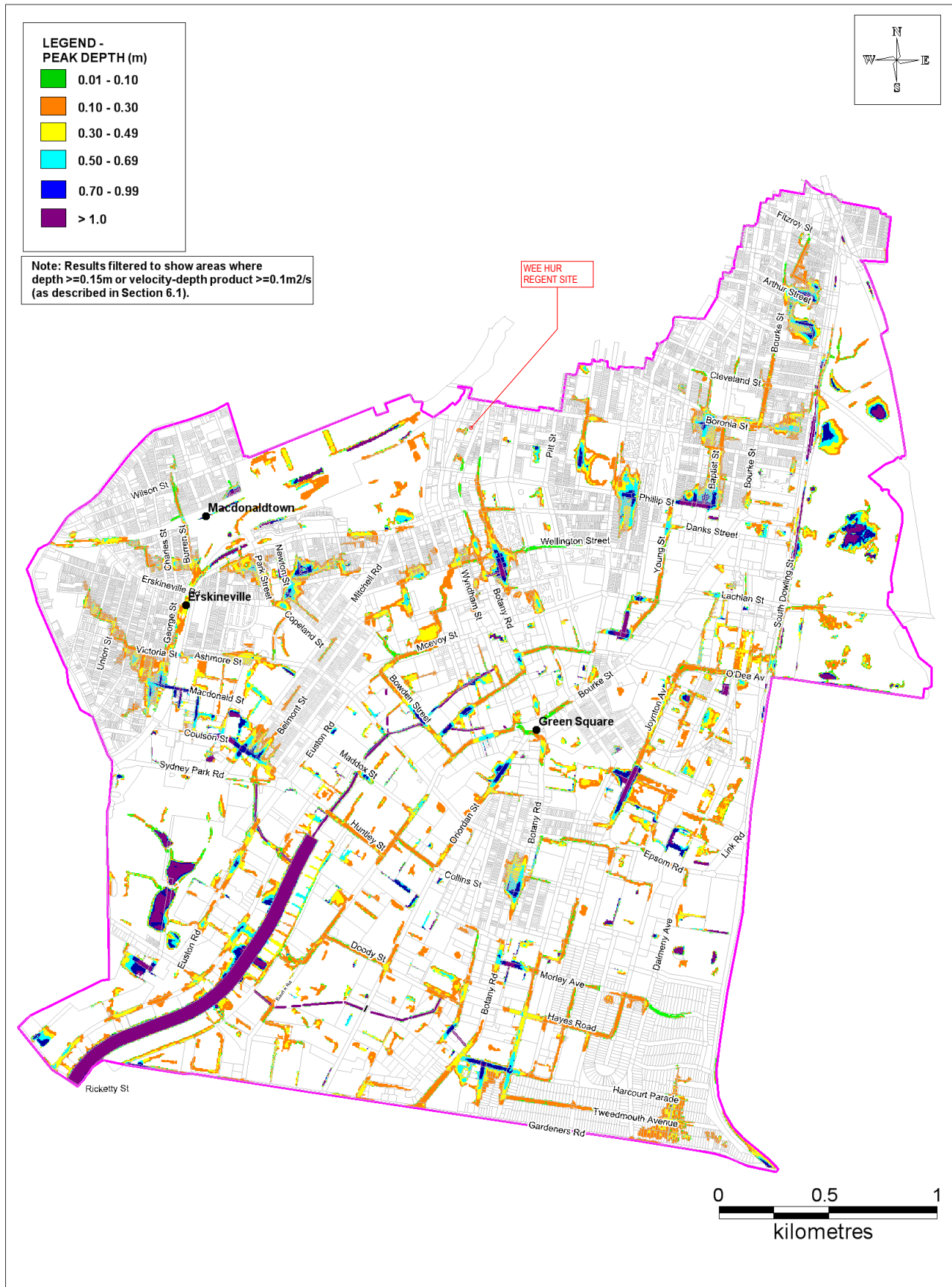
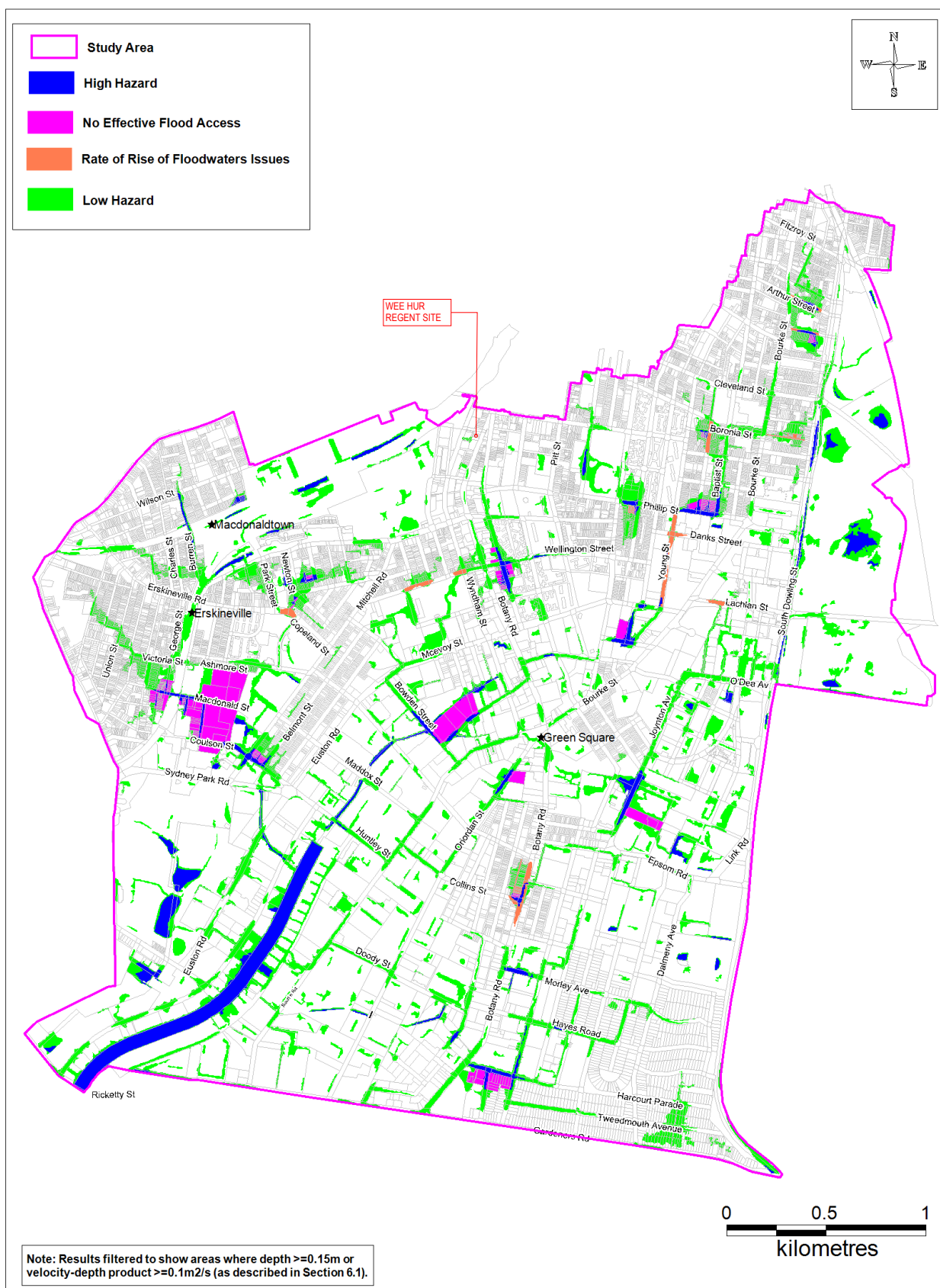
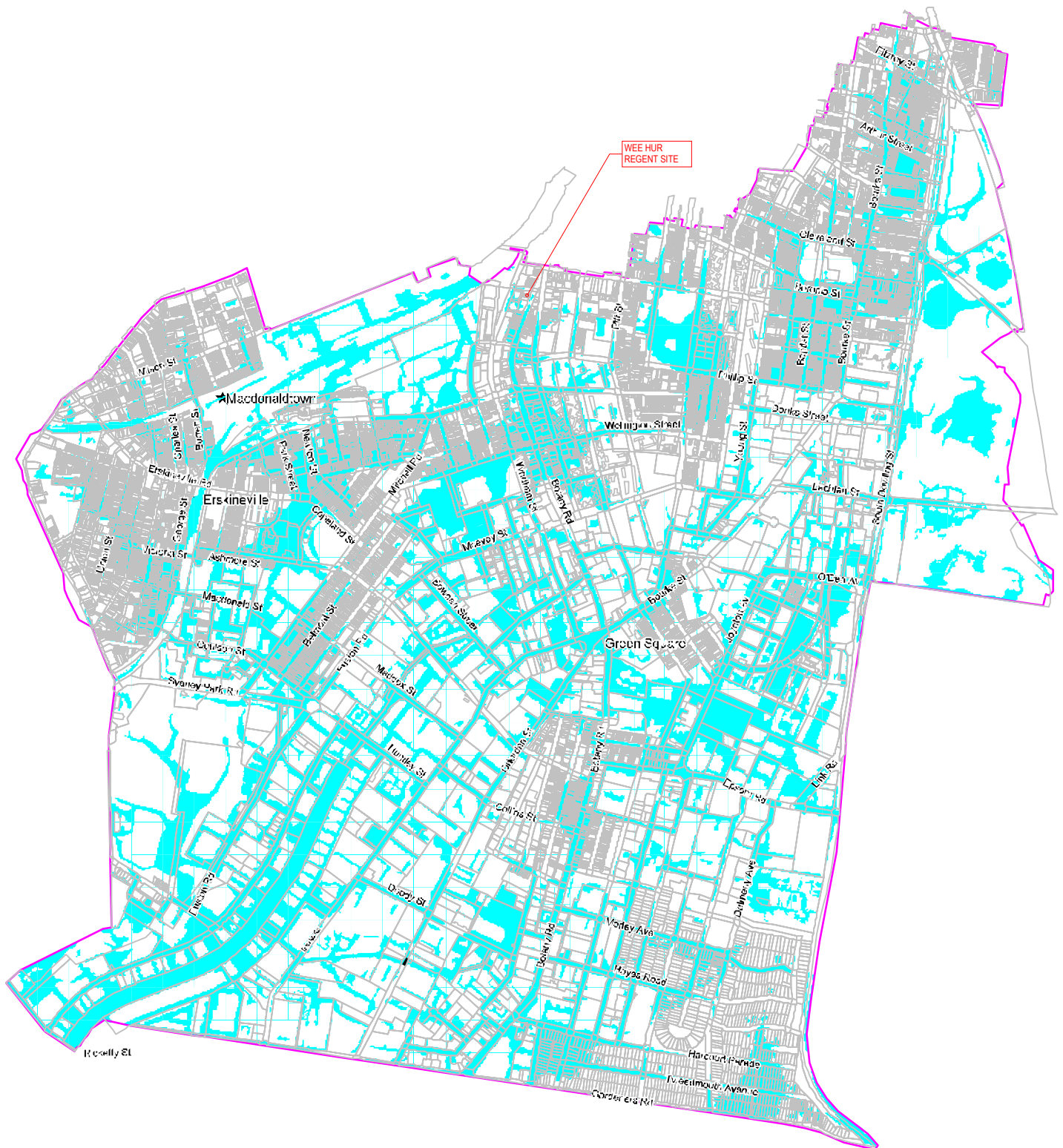
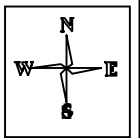


Figure 2-2 100 Year ARI Peak Flood Depths

**Figure 2-4 100 Year ARI Flood Hazard**



- Study Area
- PMF Extent

Note: Results filtered to show areas where depth ≥ 0.15 m or velocity-depth product ≥ 0.1 m²/s (as described in Section 6.1).

0 0.5 1
kilometres

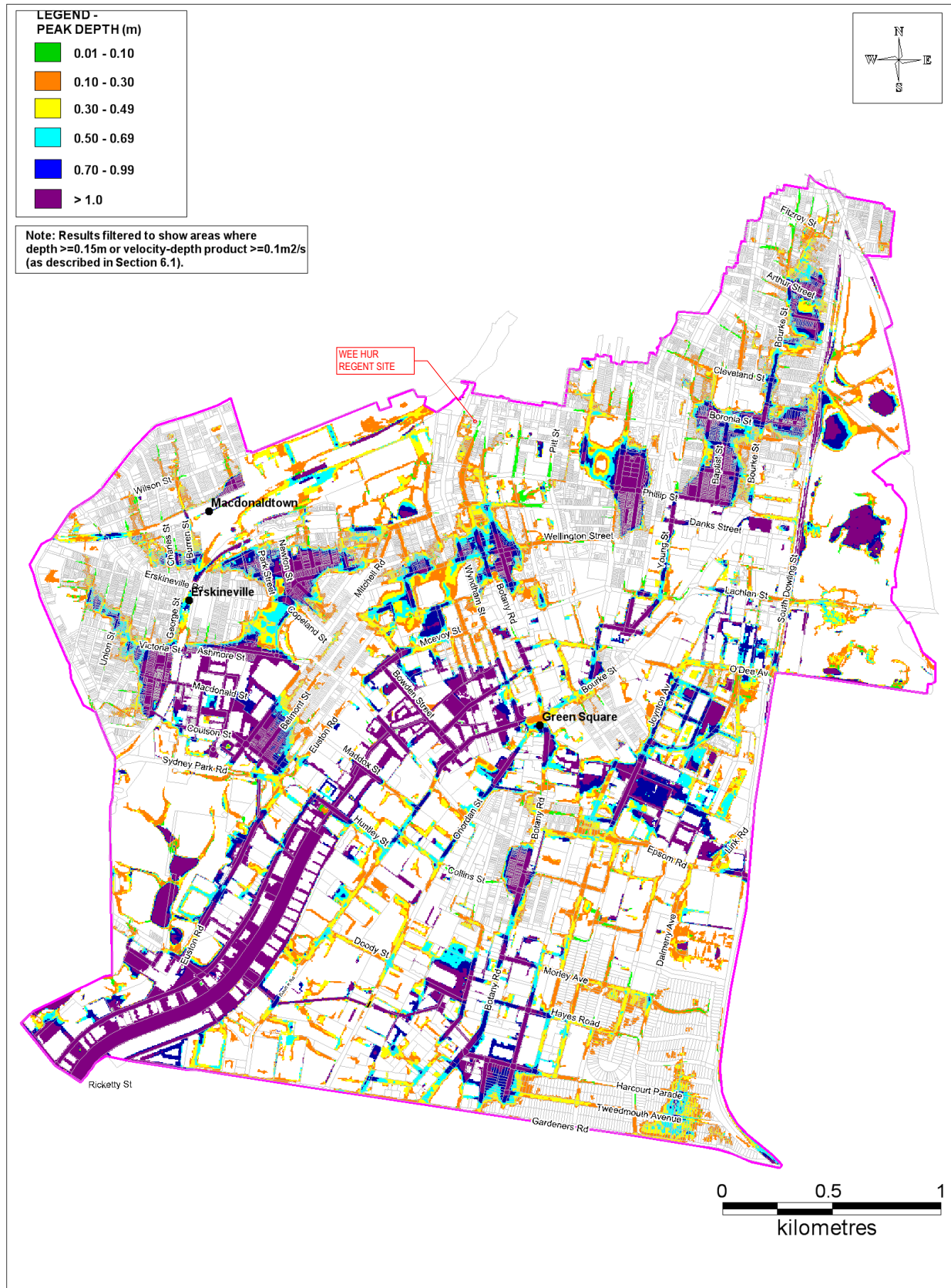


Figure 2-3 PMF Peak Flood Depths

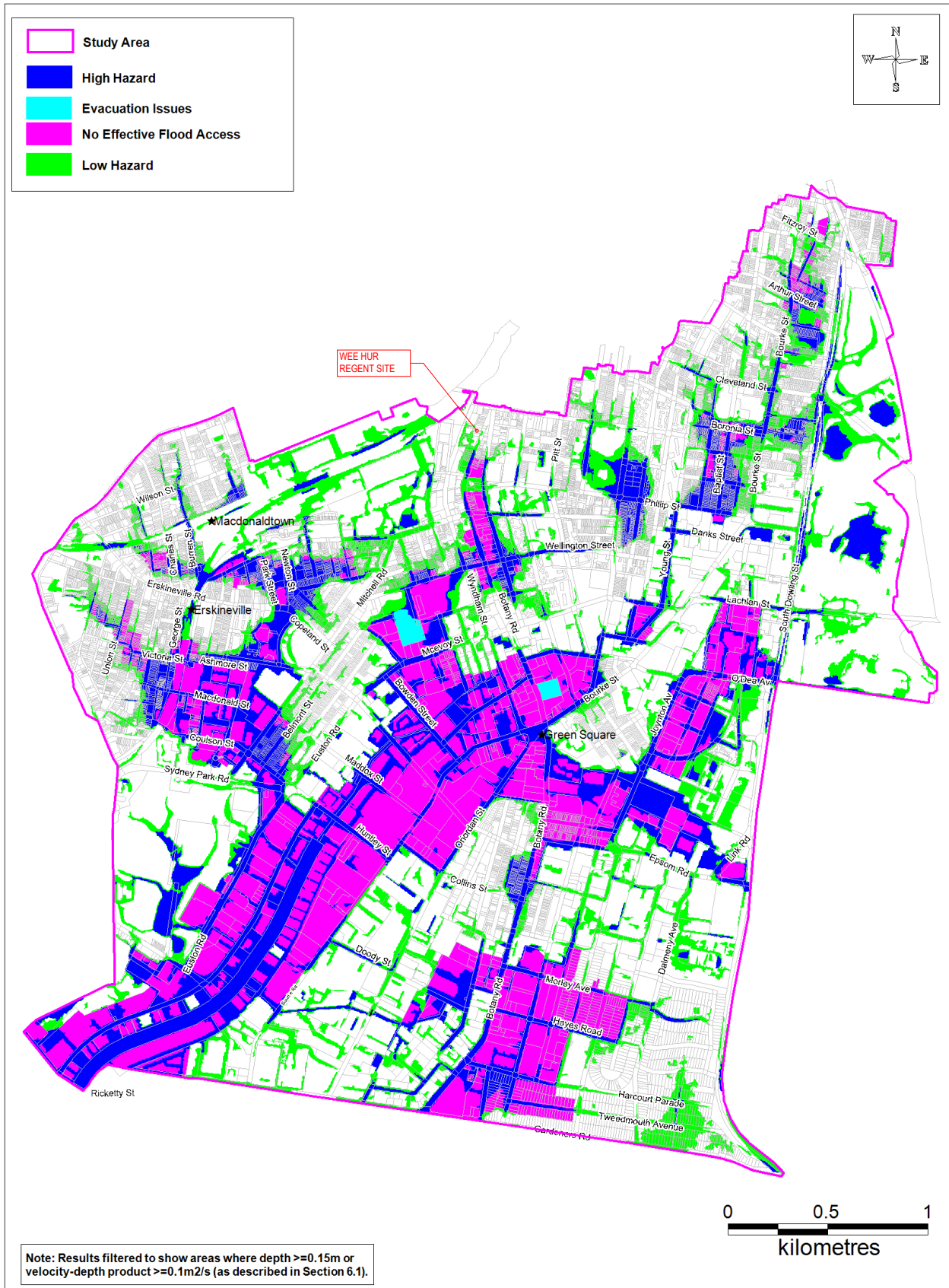


Figure 2-5 PMF Flood Hazard

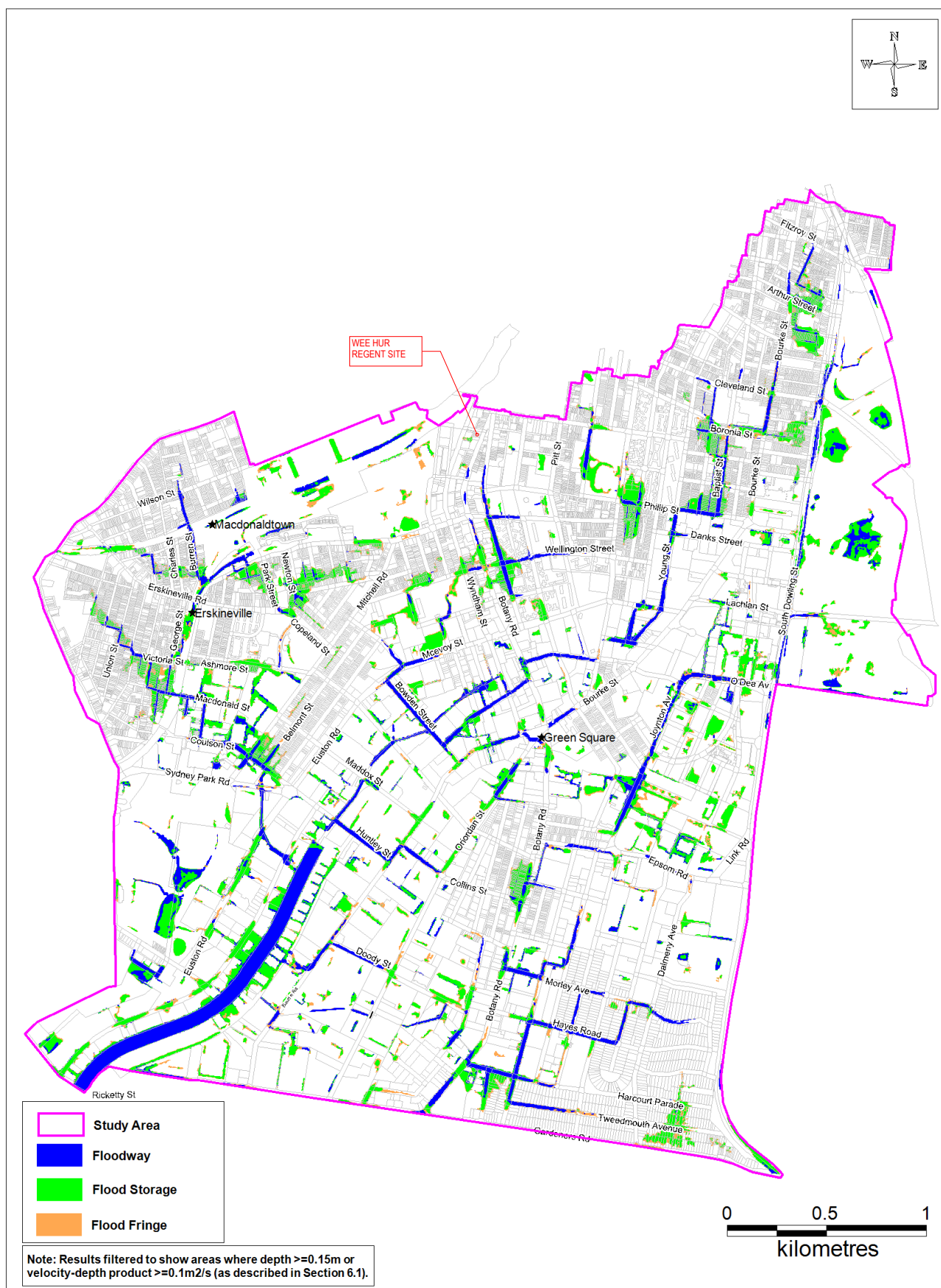


Figure 5-12 Hydraulic Categories – 100 Year ARI

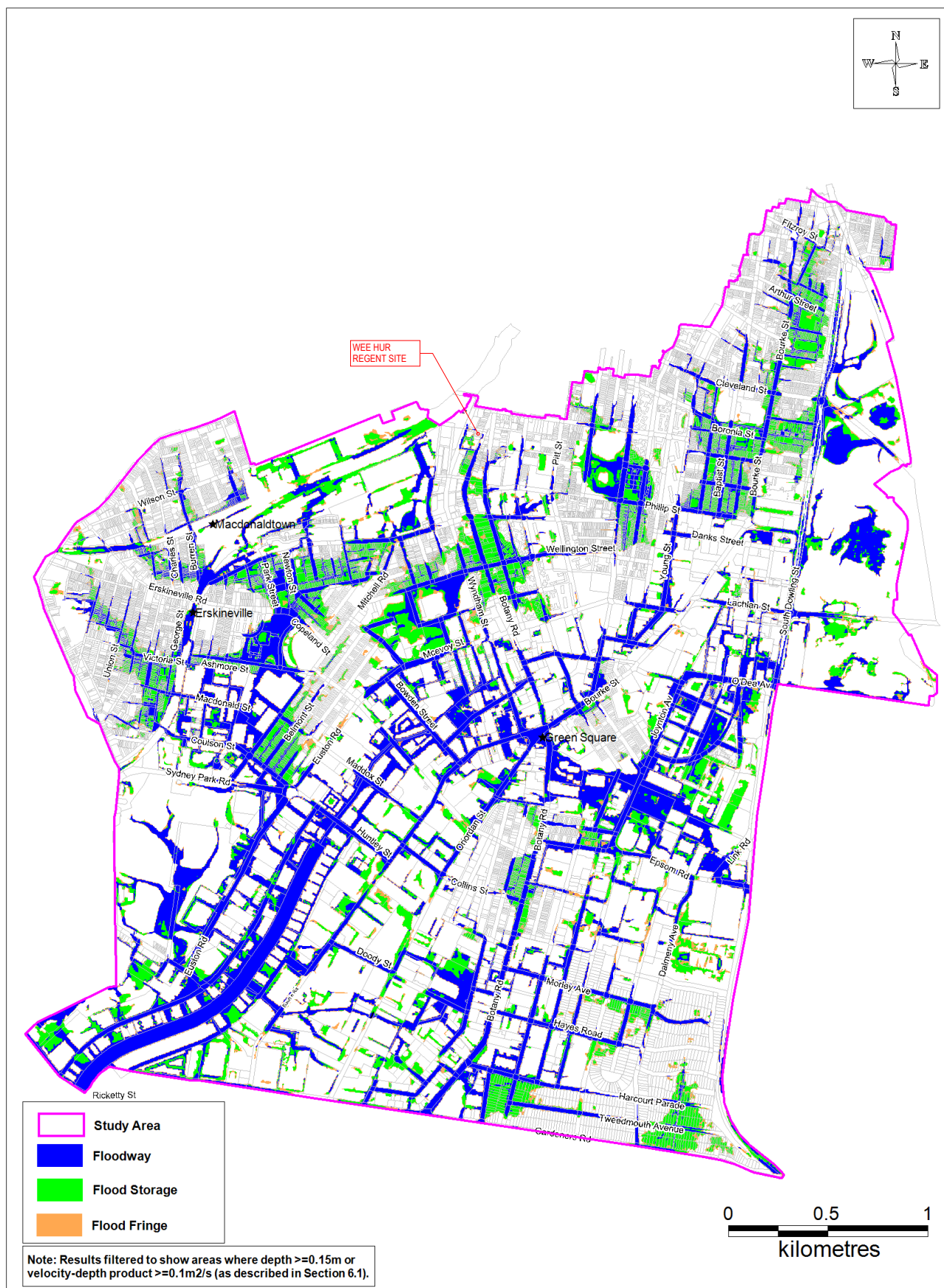
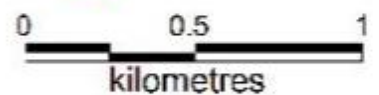
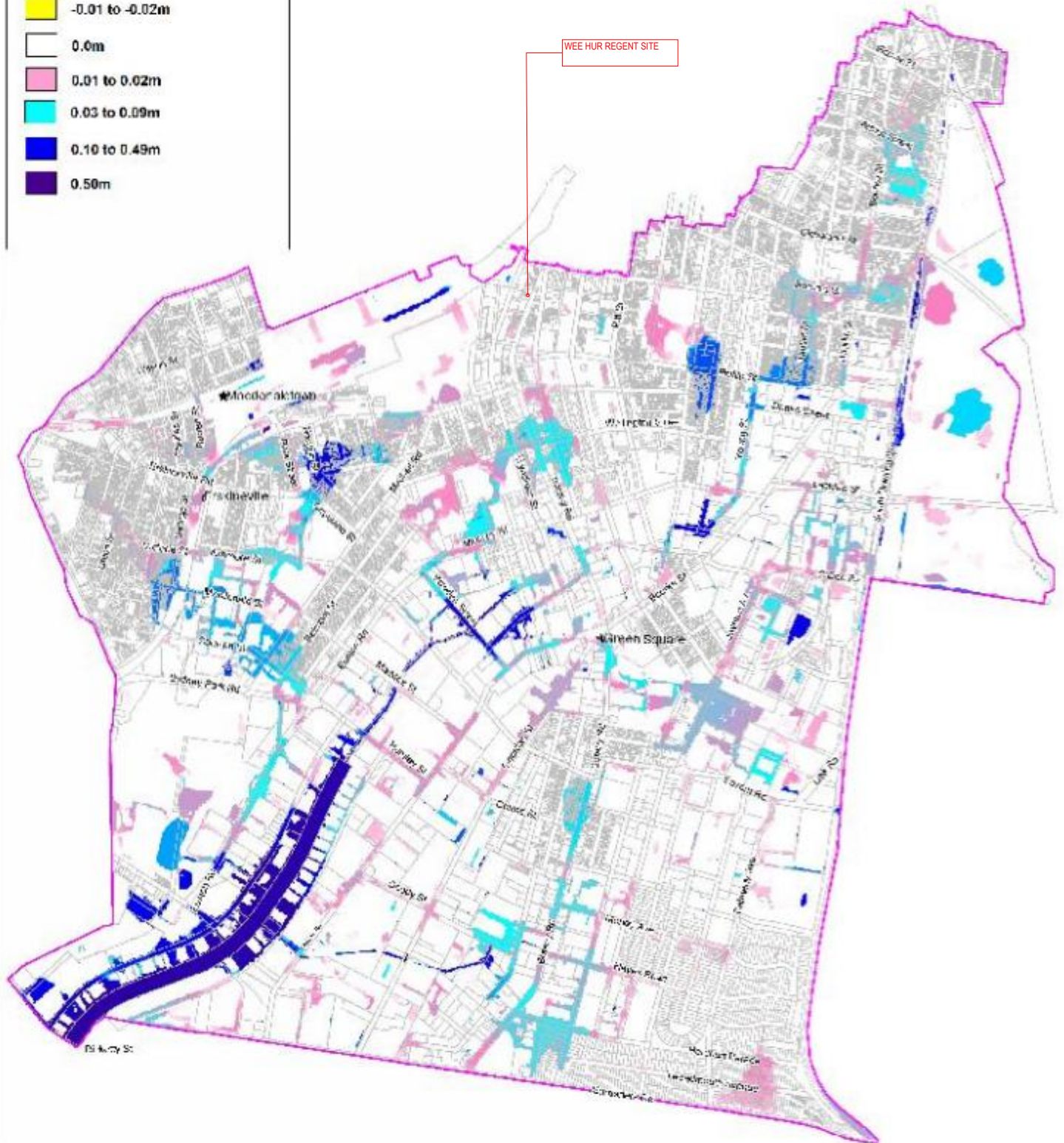


Figure 5-11 Hydraulic Categories – PMF

APPENDIX A11

LEGEND - PEAK WATER LEVEL DIFFERENCE (m)

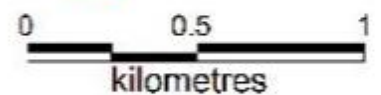
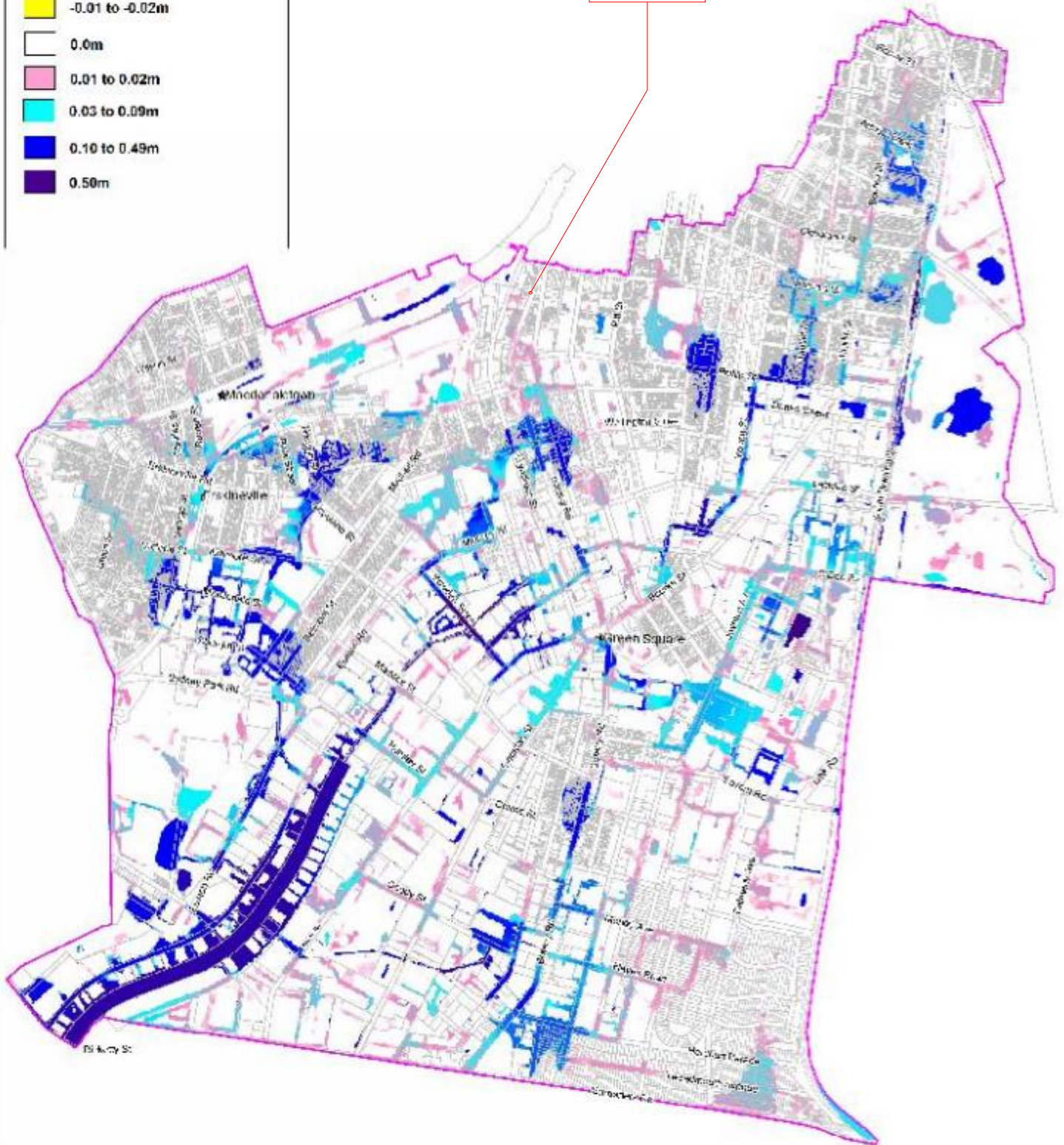


APPENDIX A12

LEGEND - PEAK WATER LEVEL DIFFERENCE (m)



WEE HUR REGENT SITE

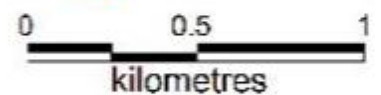
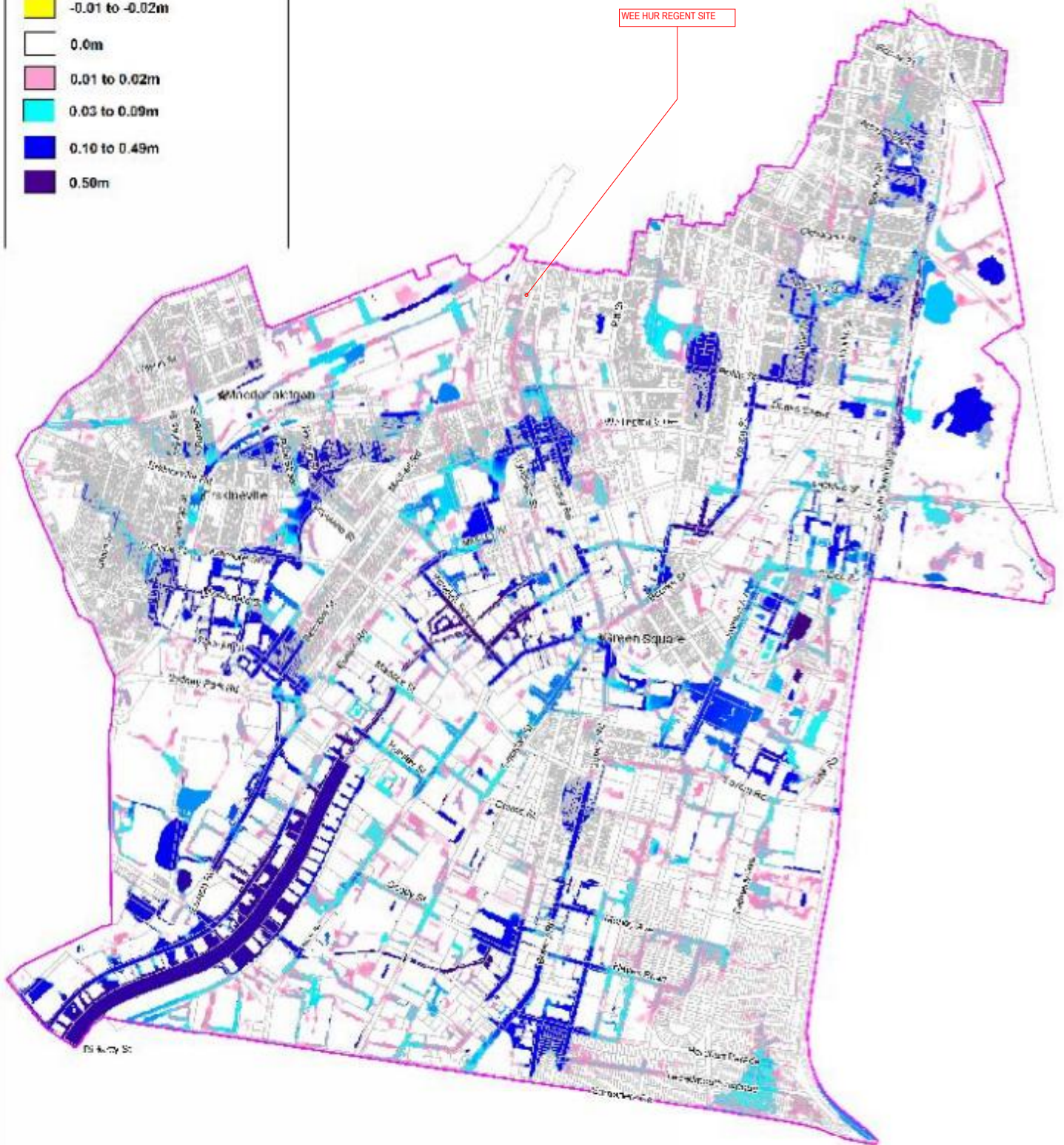


APPENDIX A13

LEGEND - PEAK WATER LEVEL DIFFERENCE (m)



WEE HUR REGENT SITE



LEGEND	
BENCH MARK	▲
TELSTRA PILLAR	TPIL
COMMS PIT	COM
ELECTRICITY PIT	TEL
POWER POLE	PP
SERVICE PIT	PIT
PIT WITH METAL LID	MLID
KERB INLET PIT	KIP
GRATED INLET PIT	GIP
SEWER MANHOLE	SMH
SEWER INSPECTION POINT	SIP
STOP VALVE	SV
HYDRANT	HYD
WATER METER	WM
GAS VALVE	GM
GAS VALVE	GAS
GAS MARKER	GMKR
GAS PILLAR	GPIL
VEHICLE CROSSING	(VC)
PRAM CROSSING	(PC)
WINDOW	W
DOOR	D
UNDERSIDE OF BEAM	USB
UNDERSIDE OF SLABB	USS
GAS (DBYD)	G
TELSTRA (DBYD)	T
COMMUNICATIONS (DBYD)	C
OPTUS (DBYD)	OP
NAT. BROADBAND NETWORK (DBYD)	NBN
WATER (DBYD)	W
STORMWATER (DBYD)	SW
SEWER (DBYD)	S
ELECTRICITY (OVERHEAD)	P
ELECTRICITY (UGROUND) (DBYD)	E

- NOTES
1. THE BOUNDARIES HAVE NOT BEEN MARKED
 2. ALL AREAS AND DIMENSIONS HAVE BEEN COMPILED FROM PLANS MADE AVAILABLE BY THE OFFICE OF LAND & PROPERTY INFORMATION (NSW) AND ARE SUBJECT TO FINAL SURVEY
 3. ORIGIN OF LEVELS ON A.H.D. IS TAKEN FROM BENCHMARK IN KERB FROM LINKER SURVEY PLAN REFERENCE 170638 R.L. 24.35 (A.H.D.) IN GIBBONS STREET
 4. CONTOUR INTERVAL 0.5 m
 5. CONTOURS ARE INDICATIVE ONLY. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
 6. KERB LEVELS ARE TO THE TOP OF KERB UNLESS SHOWN OTHERWISE
 7. FLOOR LEVELS SHOWN ARE THRESHOLD LEVELS. NO INVESTIGATION OF INTERNAL FLOOR LEVELS HAS BEEN UNDERTAKEN
 8. NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. SERVICES HAVE BEEN PLOTTED FROM RELEVANT AUTHORITIES INFORMATION AND HAVE NOT BEEN SURVEYED. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE
 9. 8/4/7 DENOTES TREE SPREAD OF 8m, TRUNK DIAMETER OF 0.4m & APPROX HEIGHT OF 7m
 10. BEARINGS SHOWN ARE MGA (MAP GRID OF AUSTRALIA) ADD APPROX. 1'00" FOR TRUE NORTH

- (A) CROSS EASEMENTS FOR PARTY WALLS (S.88BB CONVEYANCING ACT, 1919) AFFECTING THE PARTY WALLS (VIDE DP 878444)
- (B) EASEMENT FOR SUPPORT 0.14 WIDE APPURTANT TO THE LAND LOT 2 & 3 IN DP 3954 (VIDE DP 269227)
- (C) EASEMENT FOR SUPPORT 0.09 WIDE AFFECTING THE PART SHOWN SO BURDENED IN DP 269227 IN LOT 2 & 3 DP 3954
- [X] IS LOT 180 IN DP 1232400, A STRATUM LOT LIMITED IN DEPTH TO RL -25.40 AND LIMITED IN HEIGHT TO RL -2.20
- [Y] IS LOT 180 IN DP 1232400, A STRATUM LOT LIMITED IN DEPTH TO RL -23.30 AND LIMITED IN HEIGHT TO RL -0.10



REFER TO NOTES AND LEGEND



D	00/00/00	-	00
C	16/09/20	STORMWATER PIPT INVERTS ADDED	50670/005
B	04/07/19	ADDITIONAL TREES ADDED	50670/002
A	29/05/19	ADDITIONAL DETAIL & LEVEL ADDED	50670/002
Revision	Date	Description	Reference

THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:

Registered Surveyor NSW



Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client THE TRUST COMPANY (AUSTRALIA) LIMITED ATF HW REGENT TRUST

Drawing title
PLAN OF DETAIL AND LEVELS OVER LOTS 1-3 SECTION 2
IN DP 3954, LOT 1 IN DP 184335 AND SP 57425 KNOWN
AS No 90-102 REGENT STREET, REDFERN

datum
AHD
site Area
1287m²
LGA
SYDNEY

reference
number
50670 001DT

scale
1:200 @A1

date of survey
23/04/2019

SHEET
OF 4 | 1

APPENDIX B2

SEC. 8
D P 4 2 0 9



REFER TO NOTES AND LEGEND



SEE SHEET 1 FOR NOTES AND LEGEND

D	00/00/00	-	00
C	16/09/20	STORMWATER PIPT INVERTS ADDED	50670/005
B	04/07/19	ADDITIONAL TREES ADDED	50670/002
A	29/05/19	ADDITIONAL DETAIL & LEVEL ADDED	50670/002
Revision	Date	Description	Reference

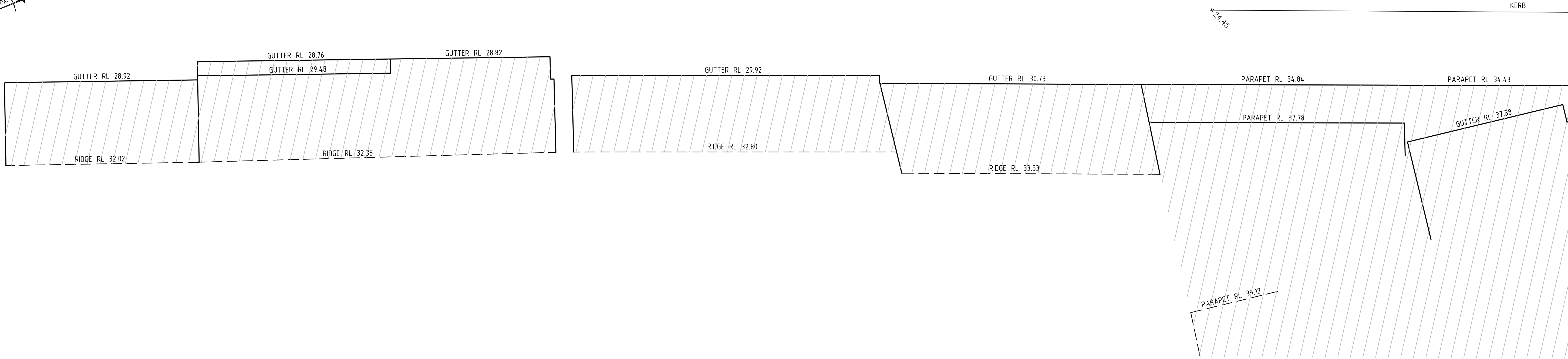
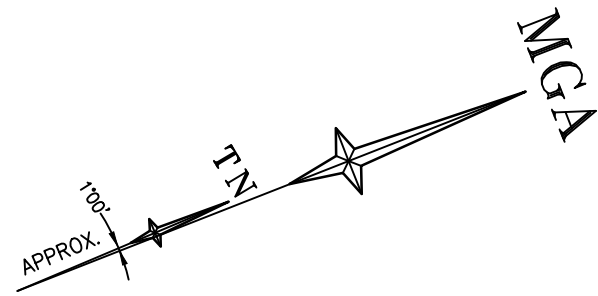
THIS IS THE PLAN REFERRED TO IN MY LETTER DATED:	
Registered Surveyor NSW	



Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client THE TRUST COMPANY (AUSTRALIA) LIMITED ATF HW REGENT TRUST
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IN DP 3954, LOT 1 IN DP 184335 AND SP 57425 KNOWN
AS NO 90-102 REGENT STREET, REDFERN

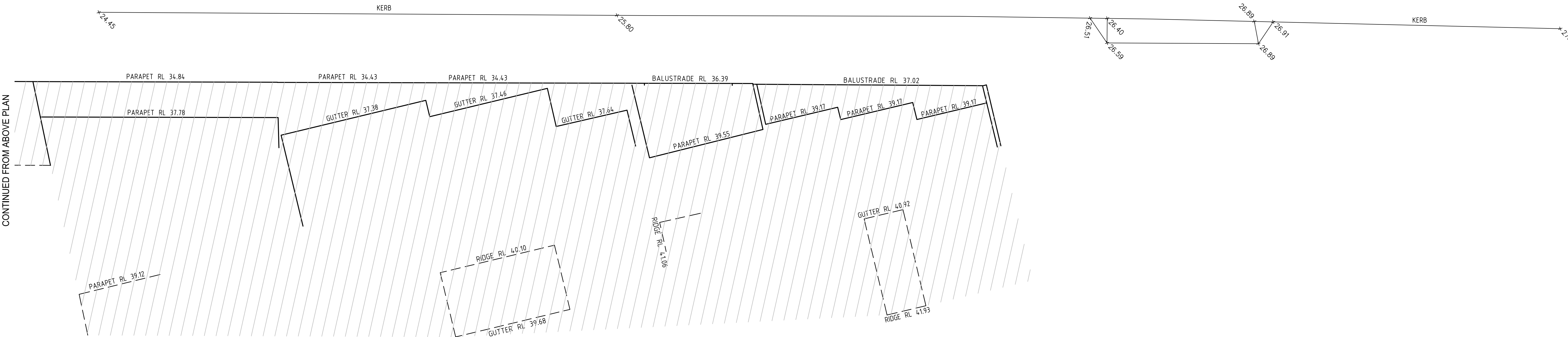
datum
AHD
site Area
1287m²
LGA
SYDNEY
reference number
50670 001DT
scale
1:100 @A1
date of survey
23/04/2019
SHEET
OF 4



REGENT STREET EASTERN PART PLAN - SOUTH

REGENT

STREET



REGENT STREET EASTERN PART PLAN - NORTH



REFER TO NOTES AND LEGEND



SEE SHEET 1 FOR NOTES AND LEGEND

D	00/00/00	-	00
C	16/09/20	STORMWATER PIPT INVERTS ADDED	50670/005
B	04/07/19	ADDITIONAL TREES ADDED	50670/002
A	29/05/19	ADDITIONAL DETAIL & LEVEL ADDED	50670/002
Revision	Date	Description	Reference

THIS IS THE PLAN REFERRED TO
IN MY LETTER DATED:
.....
Registered Surveyor NSW

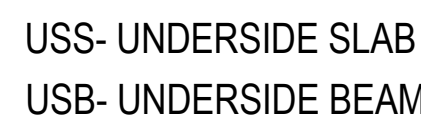


Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client THE TRUST COMPANY (AUSTRALIA) LIMITED ATF HW REGENT TRUST
Drawing title
PLAN OF DETAIL AND LEVELS OVER LOTS 1-3 SECTION 2
IN DP 3954, LOT 1 IN DP 184335 AND SP 57425 KNOWN
AS No 90-102 REGENT STREET, REDFERN

datum AHD	reference number 50670 001DT
site Area 1287m ²	date of survey 23/04/2019
scale 1:100 @A1	SHEET OF 4 3

LANE



STREET

 **DIAL BEFORE
YOU DIG**
www.1100.com.au

REFER TO NOTES AND LEGEND



SEE SHEET 1 FOR NOTES AND LEGEND

THIS IS THE PLAN REFERRED TO
IN MY LETTER DATED:

.....

Registered Surveyor NSW



Suite 1, Level 1
810 Pacific Highway
Gordon NSW 2072
Locked Bag 5
Gordon NSW 2072
P 1300 587 000
F 02 9499 7760

Client THE TRUST COMPANY (AUSTRALIA) LIMITED ATF HW REGENT TRUST
Drawing title
PLAN OF DETAIL AND LEVELS OVER LOTS 1-3 SECTION 2
IN DP 3954, LOT 1 IN DP 184335 AND SP 57425 KNOWN
AS No 90-102 REGENT STREET REDFERN

datum
AHD
site Area
1287m²
LGA
SYDNEY

reference number 50670 001D1
scale 1:100 @A1 date of survey 23/04/2019
SHEET 4 OF 4

APPENDIX C01



Regent Street Footpath– (looking north)



Regent Street Footpath– (looking South)

APPENDIX C02



Intersection of Regent St and Marian St– (looking South)



Marian St (looking South-West and the motorbike at William Lane)

APPENDIX C03



Marian Street footpath and green Colorbond fencing along boundary of DP3954 – (looking East)



William Lane (looking North)

APPENDIX C04



The interior carpark of DP3954, green Colorbond fencing at boundary (notice that the carpark is partially paved with pavers and bitumen)



The interior driveway of DP184335, looking at the roller shutter (driveway is paved with bricks with a small area for plants at the sides)

APPENDIX C05



William Lane (Looking South).



Photo showing existing courtyard is about 3 steps (700mm) higher than the street level. There is a retaining wall behind the black and white chequered board. The kerb inlet pit at the left connect to Regent St via underground 300mm diameter pipe. During 100 years ARI storm event, flood will happen at this location and could reached 900mm depth at the pit location.

APPENDIX C06



Photo taken at William Lane, at the three steps of the courtyard, showing damaged retaining wall behind the timber board.



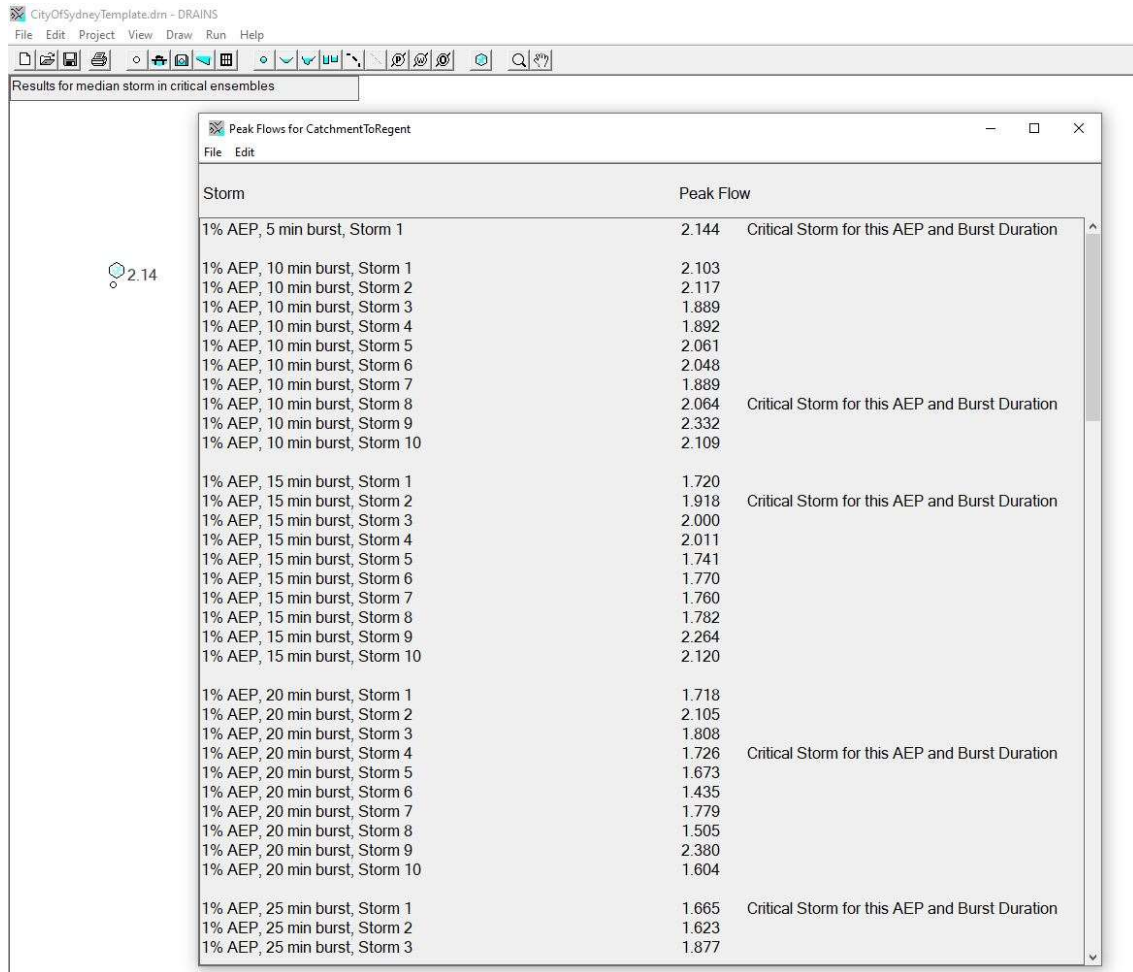
Photo showing flood flow path at the BP Station compound, looking south at Margaret St (Retaining wall of William Lane at the foreground is not visible).

APPENDIX D01

Issued:	22-Sep-20																		
Location Label:	100 Regent St, Redfern																		
Requested coordinate:	Latitude	-33.893198	Longitude	151.1998															
Nearest grid cell:	Latitude	33.8875 (S)	Longitude	151.1875 (E)															
Exceedance Annual Exceedance Probability (AEP)																			
Duration	Duration in min	12EY	6EY	4EY	3EY	2EY	0.632	0.5	0.5EY	0.2	0.2EY	0.1	0.05	0.02	0.01	1 in 200	1 in 500	1 in 1000	1 in 2000
1 min	1	1.07	1.21	1.46	1.64	1.9	2.38	2.67	2.96	3.56	3.63	4.17	4.76	5.53	6.13	6.64	7.52	8.19	8.87
2 min	2	1.91	2.14	2.54	2.83	3.25	3.97	4.42	4.91	5.83	5.95	6.79	7.72	9.01	10	11	12.5	13.6	14.8
3 min	3	2.6	2.93	3.5	3.91	4.49	5.5	6.13	6.81	8.11	8.27	9.45	10.8	12.5	13.9	15.3	17.3	18.9	20.5
4 min	4	3.19	3.61	4.33	4.85	5.59	6.89	7.69	8.53	10.2	10.4	11.9	13.6	15.8	17.5	19.1	21.6	23.6	25.6
5 min	5	3.7	4.2	5.06	5.69	6.58	8.13	9.09	10.1	12.1	12.3	14.1	16.1	18.8	20.8	22.6	25.6	27.9	30.2
10 min	10	5.53	6.33	7.74	8.76	10.2	12.8	14.4	16	19.2	19.6	22.5	25.7	29.9	33.1	35.8	40.4	44	47.7
15 min	15	6.75	7.74	9.51	10.8	12.7	16	18	19.9	24	24.5	28.1	32.1	37.3	41.3	44.7	50.5	55	59.6
20 min	20	7.66	8.81	10.8	12.3	14.5	18.4	20.6	22.9	27.6	28.1	32.3	36.9	42.8	47.4	51.3	58.1	63.3	68.6
25 min	25	8.4	9.66	11.9	13.6	16	20.3	22.8	25.3	30.4	31	35.6	40.6	47.2	52.2	56.7	64.1	69.9	75.7
30 min	30	9.03	10.4	12.8	14.6	17.2	21.9	24.5	27.2	32.8	33.4	38.3	43.7	50.9	56.3	61.1	69.2	75.5	81.8
45 min	45	10.5	12.1	14.9	17	20	25.6	28.6	31.8	38.1	38.9	44.6	50.9	59.3	65.8	71.6	81.1	88.4	95.8
1 hour	60	11.6	13.4	16.5	18.8	22.2	28.4	31.7	35.2	42.2	43.1	49.4	56.4	65.8	73.1	79.6	90.2	98.3	107
1.5 hour	90	13.3	15.3	18.9	21.6	25.5	32.8	36.5	40.6	48.6	49.5	56.8	65	76.2	84.9	92.4	105	114	124
2 hour	120	14.7	16.9	20.9	23.9	28.2	36.2	40.4	44.8	53.7	54.8	63	72.2	84.8	94.7	103	116	127	137
3 hour	180	16.9	19.5	24.1	27.5	32.6	41.9	46.7	51.9	62.3	63.6	73.3	84.3	99.4	111	121	136	149	161
4.5 hour	270	19.4	22.5	27.9	31.9	37.9	48.9	54.5	60.5	73.1	74.5	86.3	99.7	118	133	143	162	176	191
6 hour	360	21.5	24.9	31	35.6	42.3	54.7	61.2	67.9	82.4	84	97.6	113	135	152	163	184	200	217
9 hour	540	24.9	28.9	36.3	41.7	49.7	64.5	72.4	80.4	98.4	100	117	137	163	184	198	224	243	263
12 hour	720	27.6	32.2	40.5	46.7	55.9	72.8	81.9	90.9	112	114	134	157	188	212	228	258	280	303
18 hour	1080	31.8	37.4	47.4	54.8	65.9	86.2	97.4	108	135	138	162	190	229	259	279	316	344	372
24 hour	1440	35.1	41.4	52.8	61.2	73.8	96.9	110	122	153	156	185	218	262	296	321	364	396	429
30 hour	1800	37.7	44.6	57.2	66.5	80.3	106	120	134	169	172	204	240	289	327	365	419	462	506
36 hour	2160	39.9	47.4	60.9	70.9	85.8	113	129	143	182	185	220	259	311	352	398	460	509	560
48 hour	2880	43.2	51.6	66.7	78	94.6	126	144	159	203	207	245	289	347	392	445	513	568	625
72 hour	4320	47.4	57.1	74.6	87.6	107	142	163	181	231	236	279	327	392	441	495	564	619	675
96 hour	5760	49.7	60.3	79.5	93.7	115	154	176	196	249	254	299	350	416	467	518	586	638	691
120 hour	7200	50.9	62.3	82.7	97.9	120	161	185	205	260	265	312	363	430	481	529	597	648	700
144 hour	8640	51.5	63.4	85	101	124	167	191	212	268	273	320	371	437	487	534	605	656	708
168 hour	10080	51.5	64	86.5	103	127	172	196	218	273	278	325	376	440	488	536	612	665	718

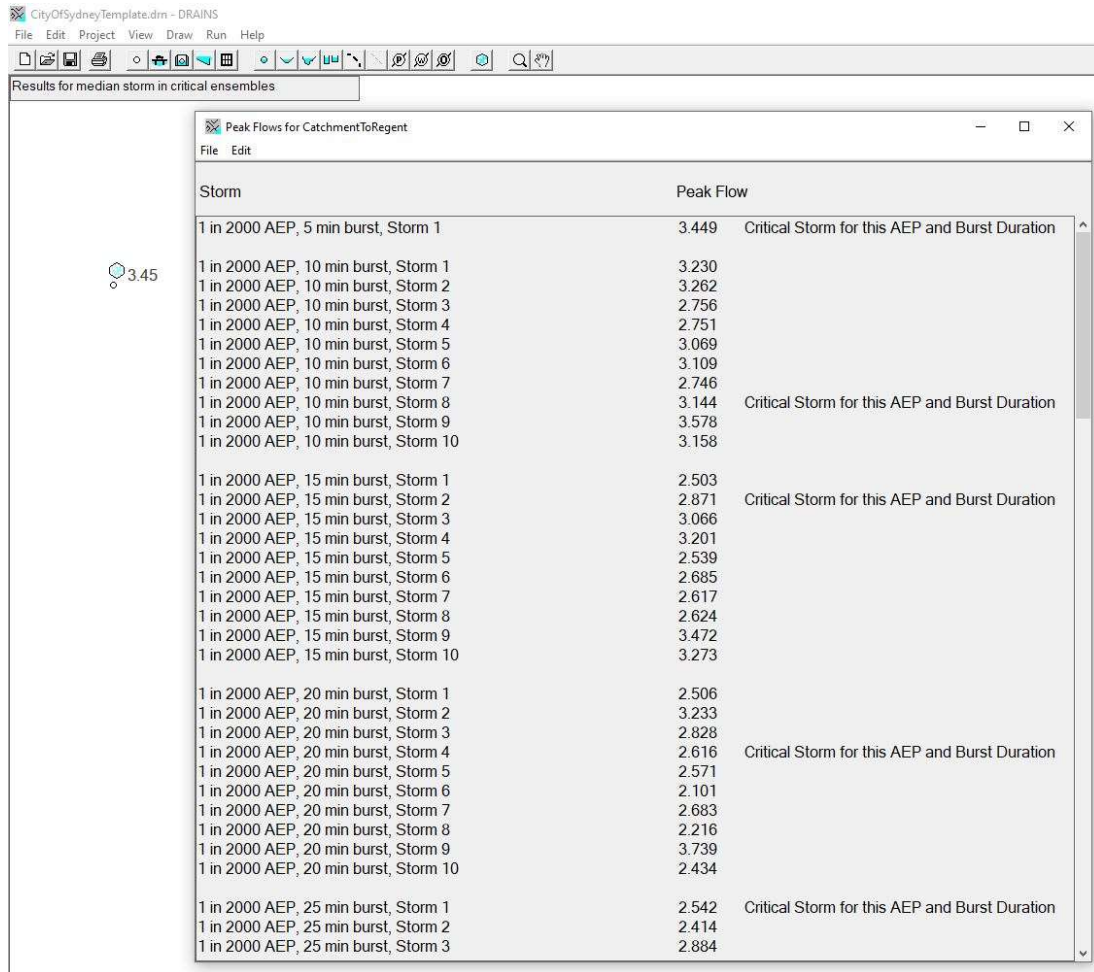
APPENDIX D01: RAINFALL DATA DOWNLOADED FROM BUREAU OF METEOROLOGY

APPENDIX D02



RESULT OF PEAK FLOW OF OVERLAND CATCHMENT FOR 1% AEP

APPENDIX D03



RESULT OF PEAK FLOW OF OVERLAND CATCHMENT FOR PMP (1 IN 2000 AEP)

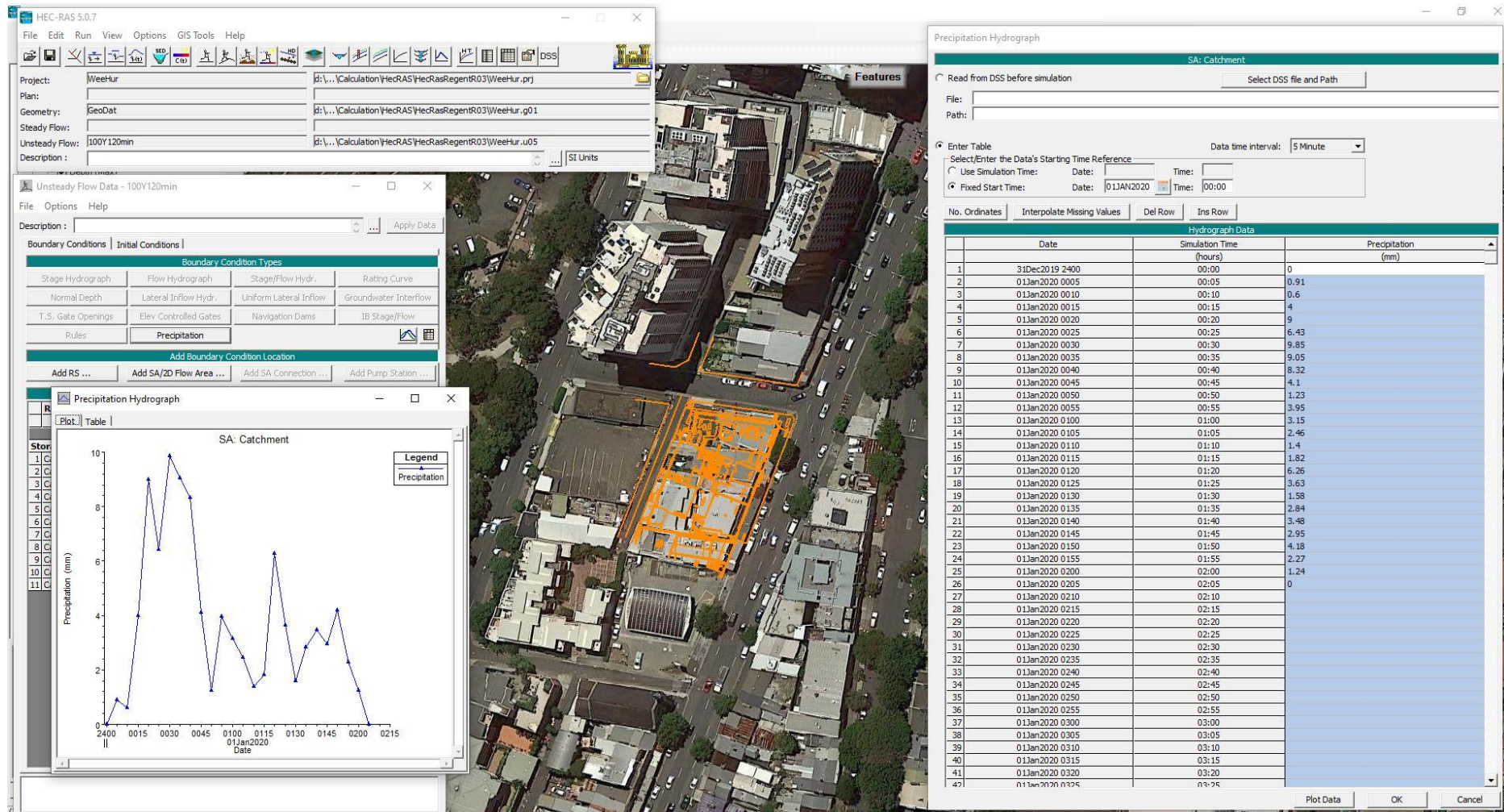
APPENDIX D04

[illegible]

APPENDIX D05

[illegible]

APPENDIX E01



APPENDIX E01 – PRECIPITATION HYDROGRAPH OF 1% AEP 120min DURATION, ENSEMBLE STORM 1

APPENDIX E02

LAWSON STREET

2D FLOW AREA OF
20,520 CELLS

WEE HUR REGENT SITE

MARIAN STREET

Inflow2

Inflow1

Catchment

OUTFLOW1

OUTFLOW3

OUTFLOW6

OUTFLOW7

OUTFLOW8

REGENT STREET



APPENDIX E03

CONTOUR 27.0 AT
RECENT ST

27.007

CONTOUR 24.40 AT
WILLIAM LANE

SAG POINT AT RL24.006

RECENT STREET

