NSW GOVERNMENT | sydney METRO

West

Major civil construction between The Bays and Sydney CBD

Environmental Impact Statement 2021

Technical Paper 9

Hydrology, flooding and water quality

Appendix C – Proposal impact flood maps

The Bays tunnel launch and support site flood maps

Figure C-1 1% AEP Proposal Stage Depth
Figure C-2 PMF Proposal Depth
Figure C-3 1% AEP Proposal Hazard
Figure C-4 PMF Proposal Hazard

Pyrmont Station flood maps

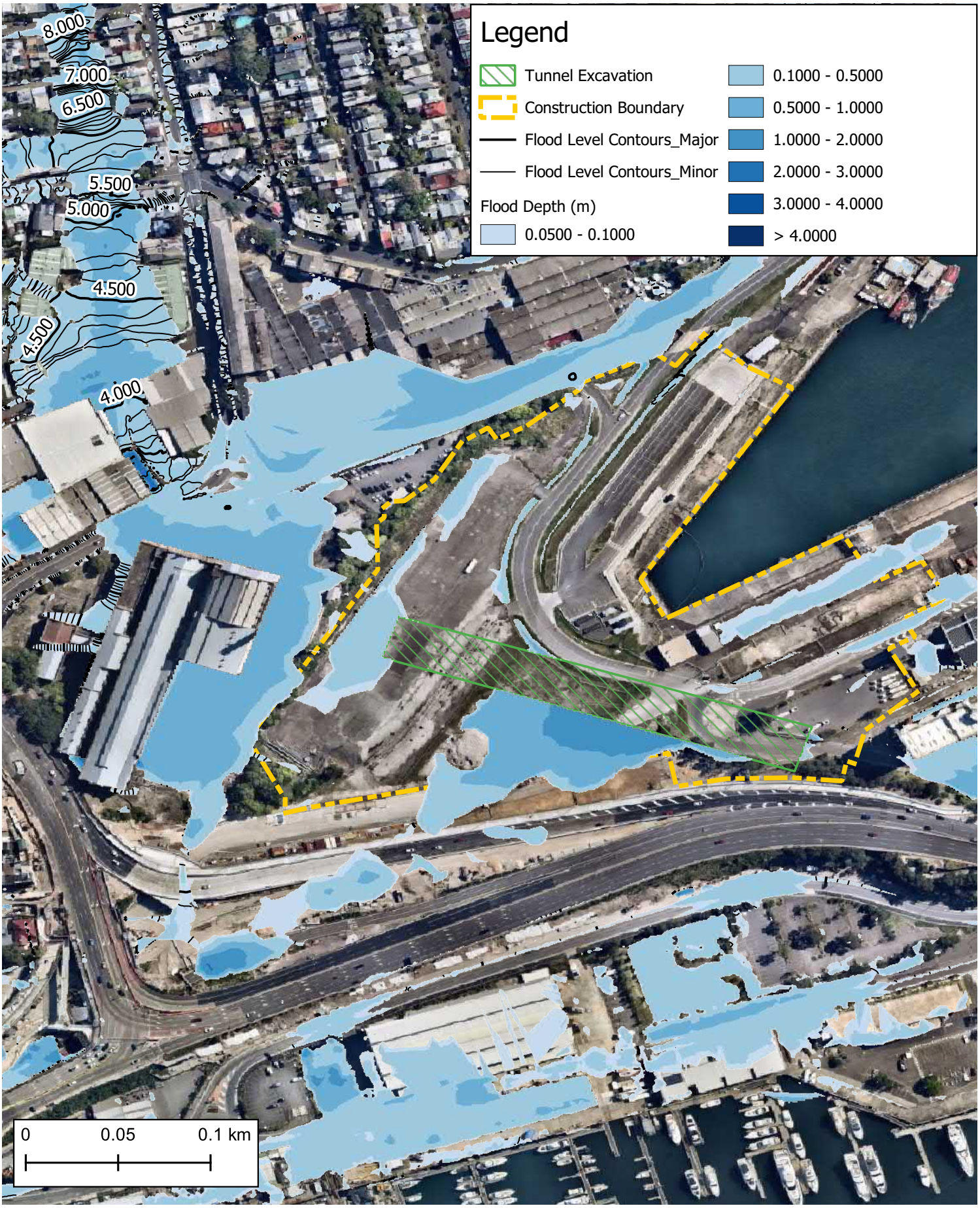
Figure C-5 1% AEP Proposal Stage Depth
Figure C-6 PMF Proposal Depth
Figure C-7 1% AEP Proposal Hazard
Figure C-8 PMF Proposal Hazard

Figure C-9 1% AEP Afflux

Hunter Street Station (Sydney CBD) flood maps

Figure C-10 1% AEP Proposal Stage Depth
Figure C-11 PMF Proposal Depth
Figure C-12 1% AEP Proposal Hazard
Figure C-13 PMF Proposal Hazard

Figure C-14 1% AEP Afflux



TITLE

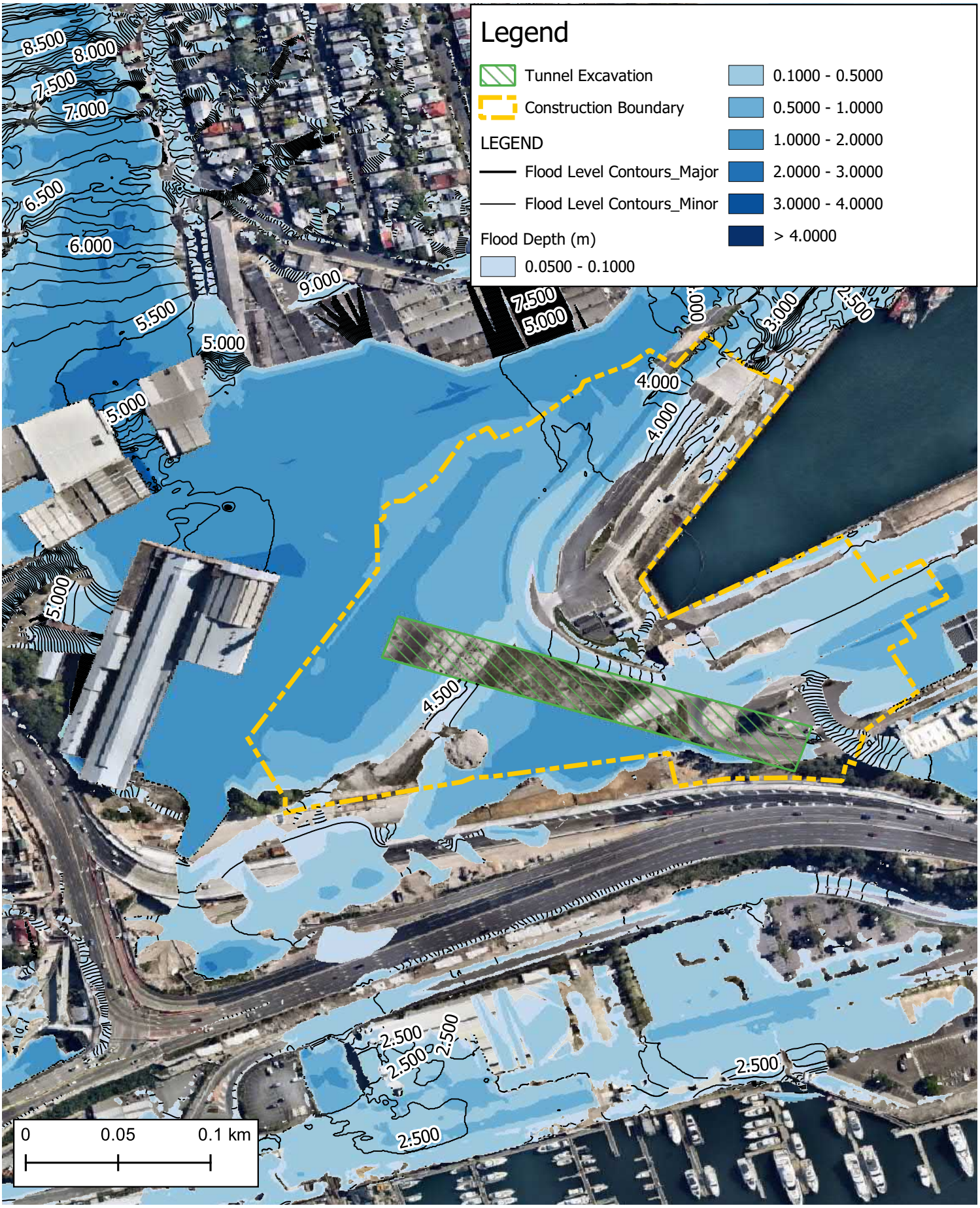
Figure C-1

1% AEP Proposal Stage Depth

PROJECT

EDS-SWM-The Bays

Date	Drawn	Check	Approved	Scale	Rev
27/05/2021	MK	JM	DF	1 : 2000	1



TITLE

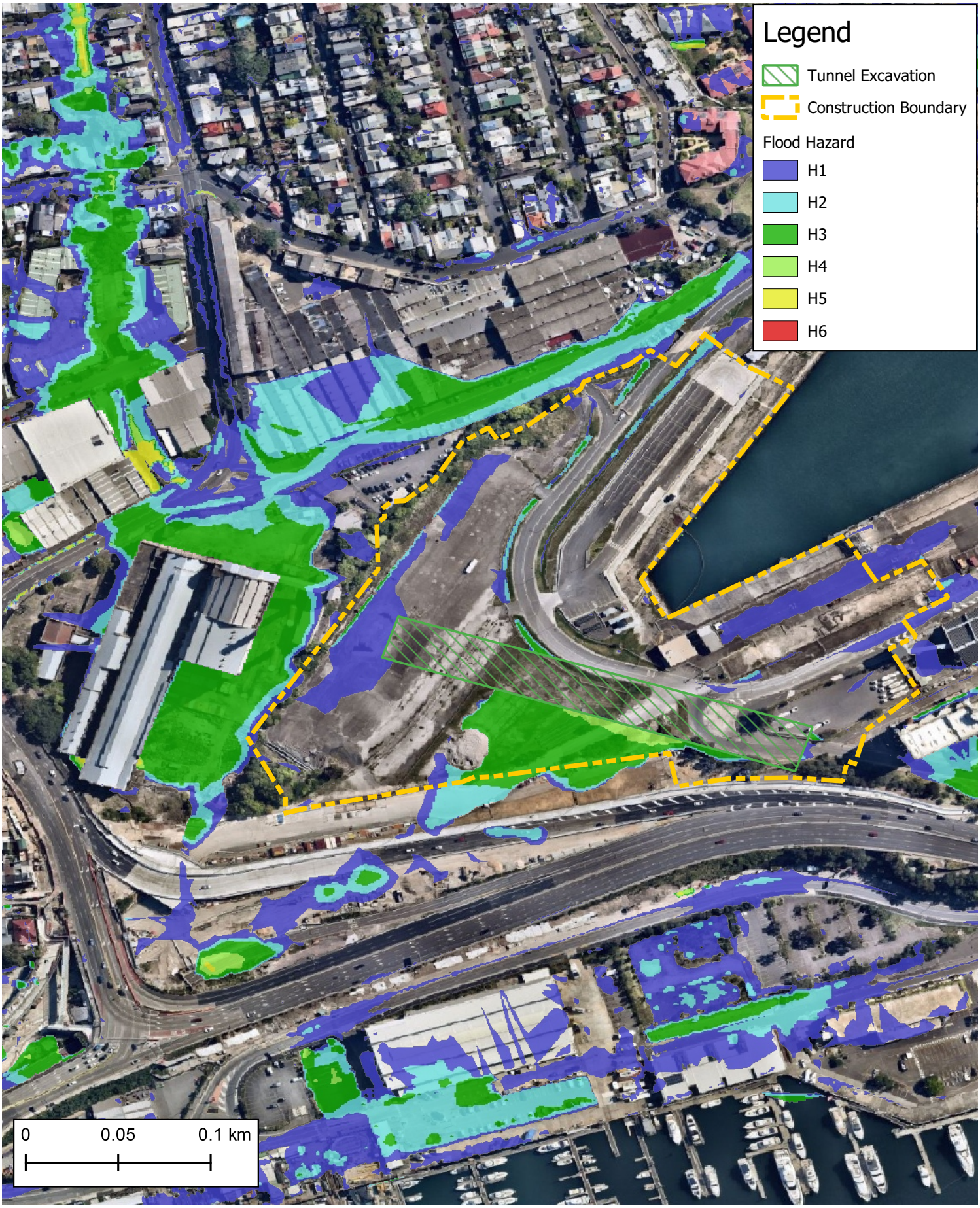
Figure C-2

PMF Proposal Stage Depth

PROJECT

EDS-SWM-The Bays

Date	Drawn	Check	Approved	Scale	Rev
27/05/2021	MK	JM	DF	1 : 2000	1



TITLE

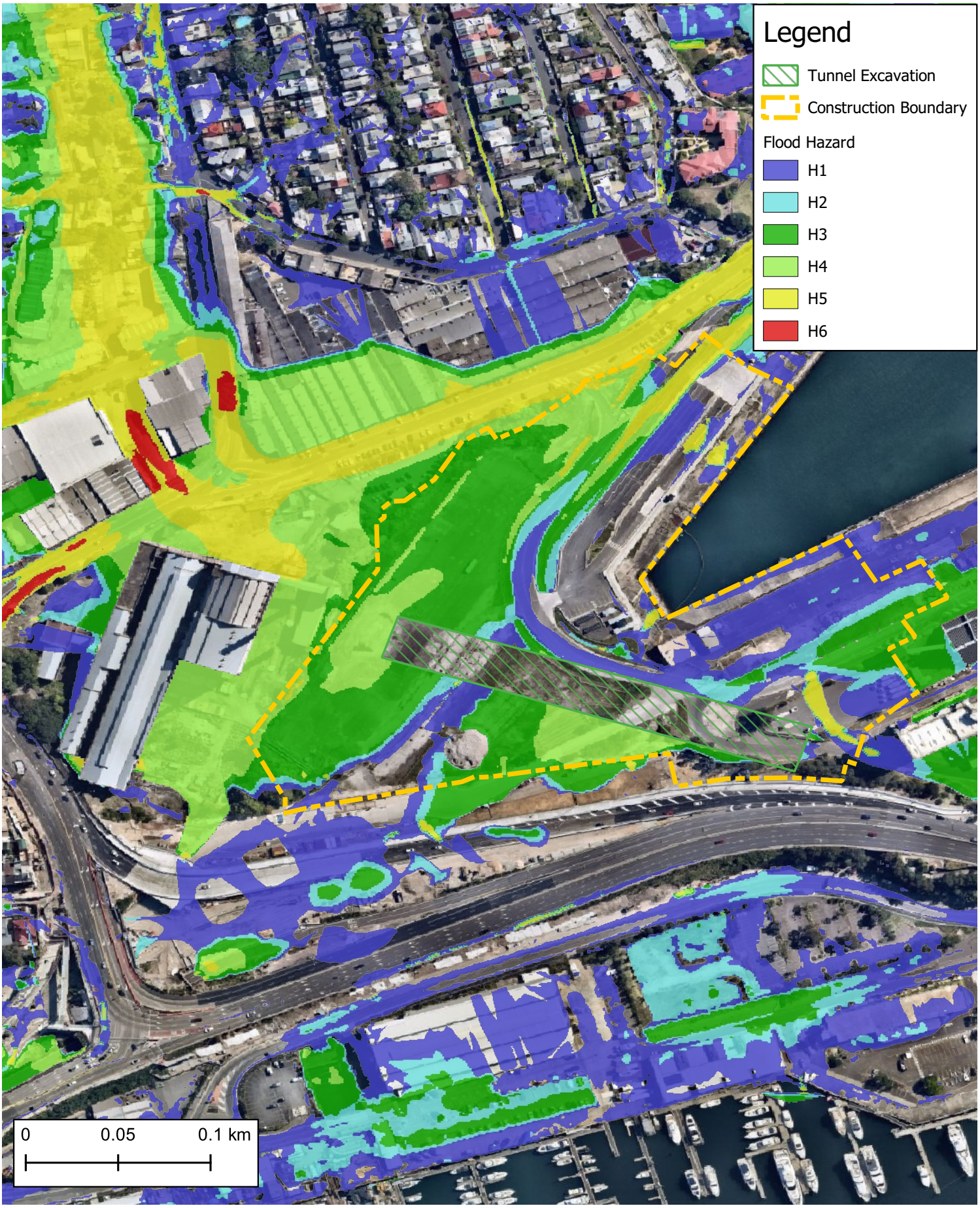
Figure C-3

1% AEP Proposal Stage Hazard

PROJECT

EDS-SWM-The Bays

Date	Drawn	Check	Approved	Scale	Rev
31/05/2021	MK	JM	DF	1 : 2000	1



TITLE

Figure C-4

PMF Proposal Stage Hazard

PROJECT

EDS-SWM-The Bays

Date	Drawn	Check	Approved	Scale	Rev
31/05/2021	MK	JM	DF	1 : 2000	1

Legend

- Construction Hoarding
- Pyrmont Construction Site

Construction Flood Depth 1% AEP

- <= 0.010
- 0.010 - 0.050
- 0.050 - 0.100
- 0.100 - 0.500
- 0.500 - 1.000
- 1.000 - 2.000
- 2.000 - 3.000
- 3.000 - 4.000
- > 4.000

- Flood Level Contours_Major
- Flood Level Contours_Minor

TITLE

Figure C-5

1% AEP Proposal Stage Depth

PROJECT

EDS-SWM- Pyrmont Station

0 0.1 0.2 km

NSW GOVERNMENT | sydney METRO

Date	Drawn	Check	Approved	Scale	Rev
16/06/2021	SH	FH	JM	1 : 2500	1

Legend

- Construction Hoarding
- Pyrmont Construction Site

Construction Flood Depth PMF

- <= 0.010
- 0.010 - 0.050
- 0.050 - 0.100
- 0.100 - 0.500
- 0.500 - 1.000
- 1.000 - 2.000
- 2.000 - 3.000
- 3.000 - 4.000
- > 4.000

- Flood Level Contours_Major
- Flood Level Contours_Minor

TITLE

Figure C-6
PMF Proposal Depth

PROJECT

EDS-SWM- Pyrmont Station

0 0.1 0.2 km

NSW GOVERNMENT | sydney METRO

Date	Drawn	Check	Approved	Scale	Rev
16/06/2021	SH	FH	JM	1 : 2500	1

TITLE

Figure C-7
1% AEP Proposal Hazard

PROJECT
Proposed Scenario
EDS-SWM- Pyrmont Station

0 0.1 0.2 km

Date	Drawn	Check	Approved	Scale	Rev
16/06/2021	SH	FH	JM	1 : 2500	1

Legend

- Construction Hoarding
- Pyrmont Construction Site

Construction Flood Hazard PMF

- H1
- H2
- H3
- H4
- H5
- H6

TITLE

Figure C-8
PMF Proposal Hazard

PROJECT

EDS-SWM- Pyrmont Station

0 0.1 0.2 km

NSW GOVERNMENT | sydney METRO

Date	Drawn	Check	Approved	Scale	Rev
16/06/2021	SH	FH	JM	1 : 2500	1

Legend

- Construction Hoarding
- Pyrmont Construction Site

1% AEP Afflux Map

- <= -0.2
- <= -0.100
- -0.1 - -0.0200
- -0.02 - 0.0200
- 0.02 - 0.100
- 0.1 - 0.2
- > 0.100

TITLE

Figure C-9
1% AEP Afflux Map

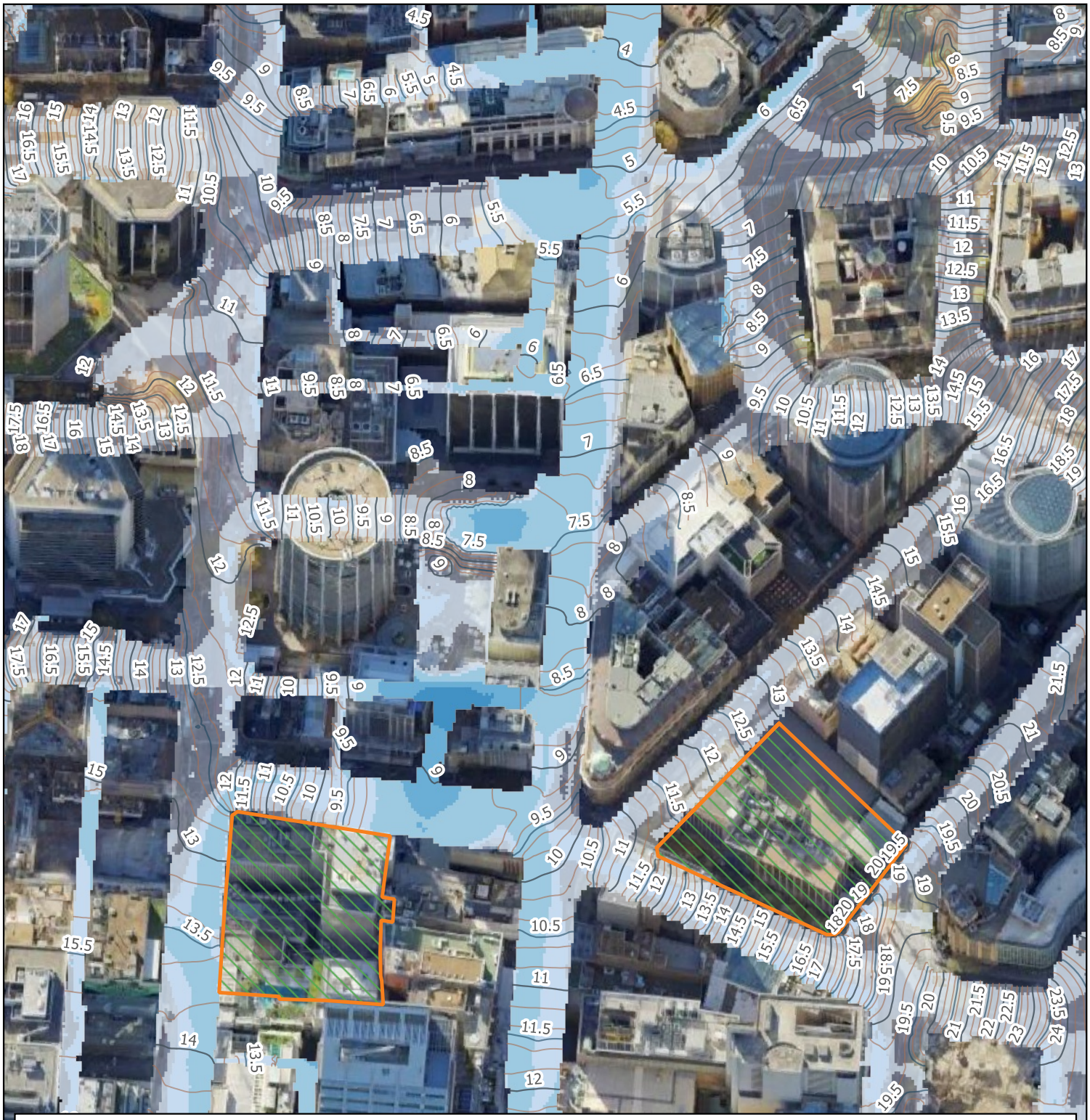
PROJECT

EDS-SWM- Pyrmont Station

0 0.1 0.2 km

NSW GOVERNMENT | sydney METRO

Date	Drawn	Check	Approved	Scale	Rev
05/07/2021	SH	FH	JM	1 : 2500	1



Legend

- Construction Hoarding
- Hunter Street Construction Site
- Flood Level Contours_Major
- Flood Level Contours_Minor

Construction Flood Depth 1% AEP

- <= 0.010
- 0.010 - 0.050
- 0.050 - 0.100
- 0.100 - 0.500
- 0.500 - 1.000
- 1.000 - 2.000
- 2.000 - 3.000
- 3.000 - 4.000
- > 4.000

0 25 50 m

TITLE

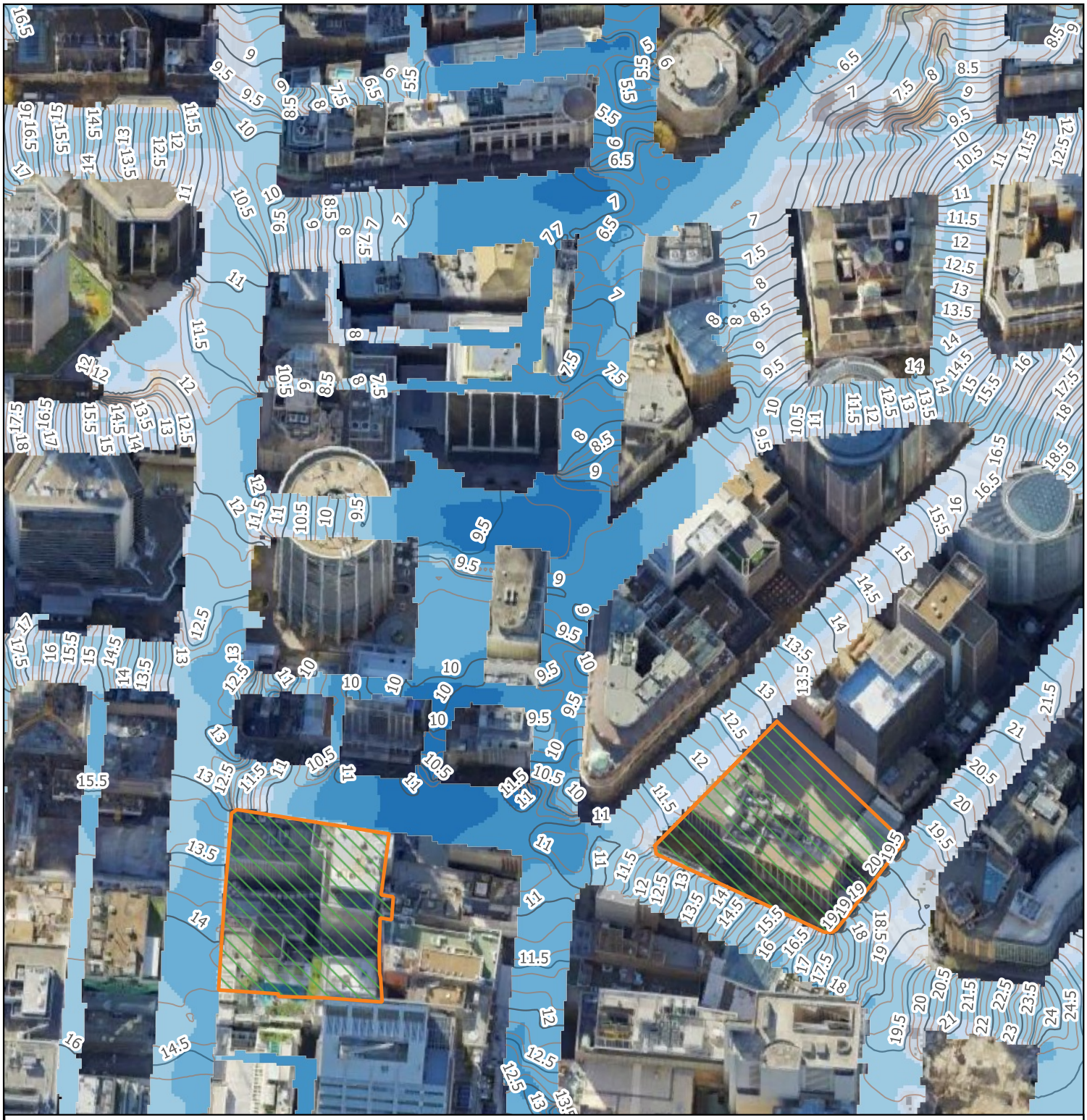
Figure C-10
1% AEP Proposal Stage Depth

PROJECT

EDS-SWM- Hunter Street

NSW GOVERNMENT | sydney METRO

Date	Drawn	Check	Approved	Scale	Rev
16/06/2021	SH	FH	JM	1 : 2000	1



Legend

- Construction Hoarding
- Hunter Street Construction Site

Construction Flood Depth PMF

- <= 0.010
- 0.010 - 0.050
- 0.050 - 0.100
- 0.100 - 0.500
- 0.500 - 1.000
- 1.000 - 2.000
- 2.000 - 3.000
- 3.000 - 4.000
- > 4.000
- Flood Level Contours_Major
- Flood Level Contours_Minor

TITLE

Figure C-11
PMF Proposal Depth

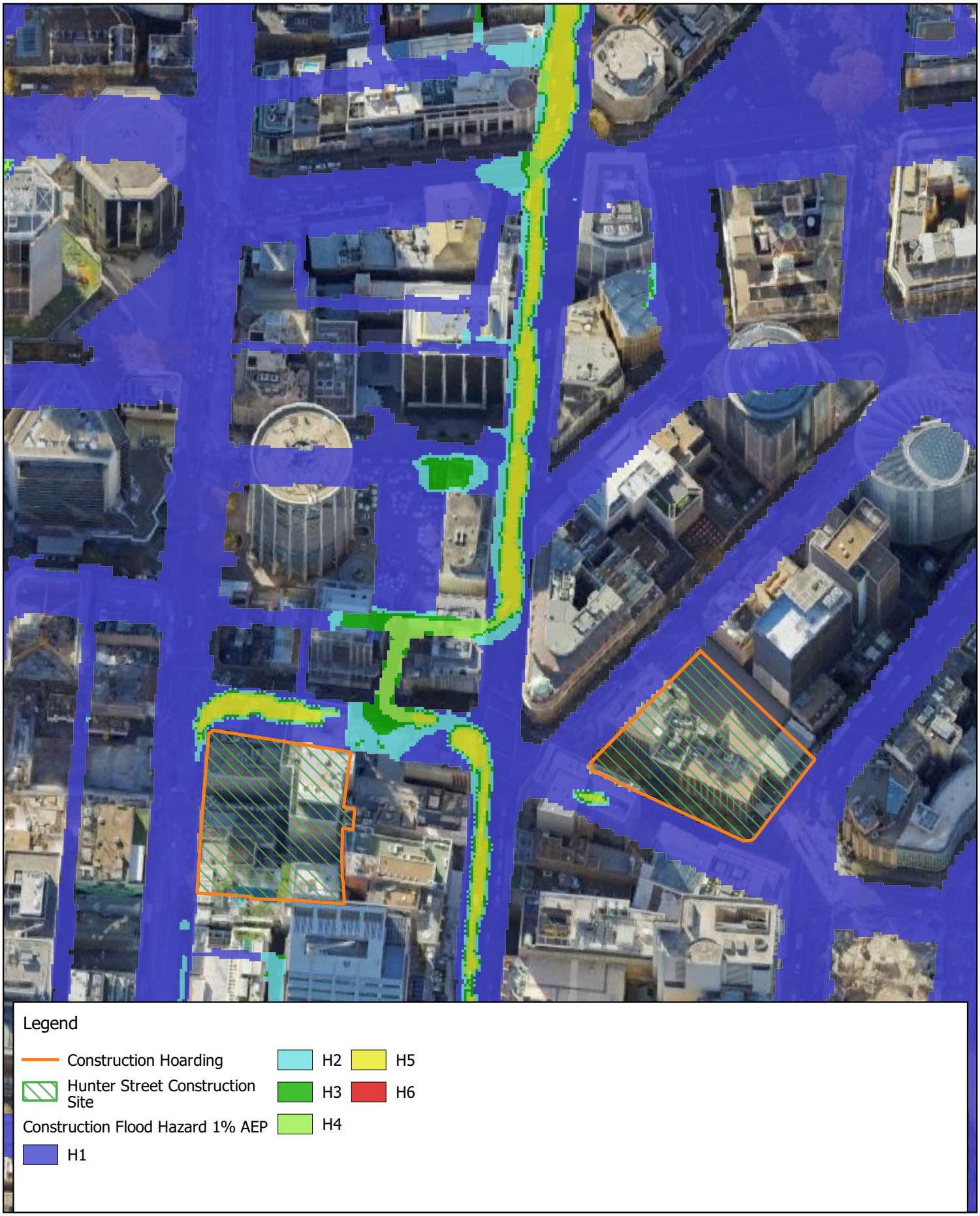
PROJECT

EDS-SWM-Hunter Street

NSW GOVERNMENT | sydney METRO

0 25 50 m

Date	Drawn	Check	Approved	Scale	Rev
16/06/2021	SH	FH	JM	1 : 2000	1



TITLE

Figure C-12
1% AEP Proposal Hazard

PROJECT

EDS-SWM- Hunter Street

0 25 50 m

Date	Drawn	Check	Approved	Scale	Rev
16/06/2021	SH	FH	JM	1 : 2000	1

Legend

- Construction Hoarding
- Hunter Street Construction Site

Construction Flood Hazard PMF

- H1
- H2
- H3
- H4
- H5
- H6

TITLE

Figure C-13
PMF Proposal Hazard

PROJECT

EDS-SWM-Hunter Street

NSW GOVERNMENT | sydney METRO

0 25 50 m

Date	Drawn	Check	Approved	Scale	Rev
16/06/2021	SH	FH	JM	1 : 2000	1

Legend

- Construction Hoarding
- Hunter Street Construction Site

1% AEP Afflux

- <= -0.2
- <= -0.100
- -0.1 - -0.0200
- -0.02 - 0.0200
- 0.02 - 0.100
- 0.1 - 0.2
- > 0.100

TITLE

Figure C-14
1% AEP Afflux Map

PROJECT

EDS-SWM- Hunter Street

0 25 50 m

Date	Drawn	Check	Approved	Scale	Rev
05/07/2021	SH	FH	JM	1 : 2000	1