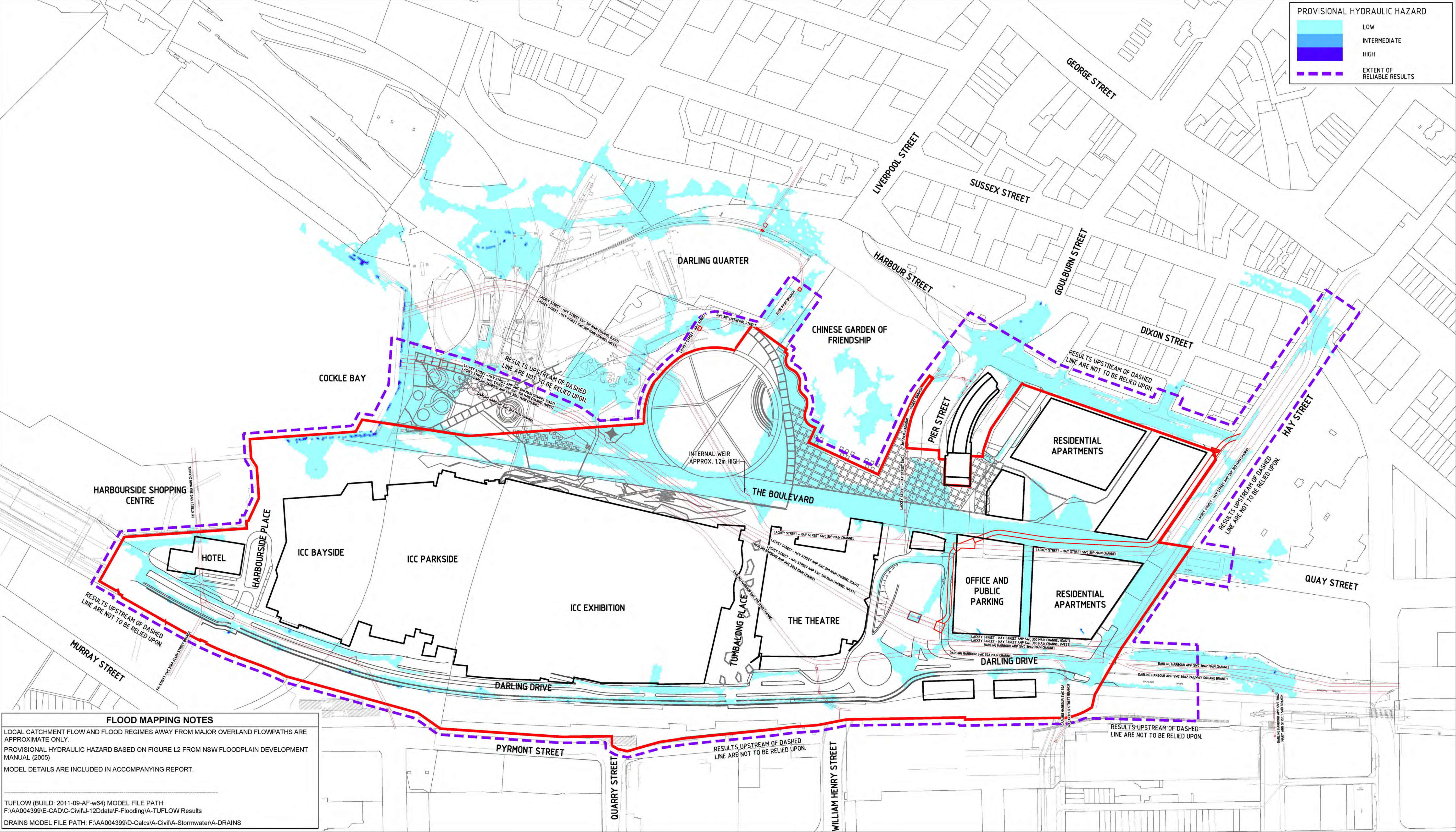




FLOOD MAPPING NOTES

LOCAL CATCHMENT FLOW AND FLOOD REGIMES AWAY FROM MAJOR OVERLAND FLOWPATHS ARE APPROXIMATE ONLY.

PROVISIONAL HYDRAULIC HAZARD BASED ON FIGURE L2 FROM NSW FLOODPLAIN DEVELOPMENT MANUAL (2005)

MODEL DETAILS ARE INCLUDED IN ACCOMPANYING REPORT.

TUFLOW (BUILD: 2011-09-AF-w64) MODEL FILE PATH:
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DRAINS MODEL FILE PATH: F:\AA004399\D-Calcs\A-Civil\A-Stormwater\A-DRAINS

DARLING HARBOUR LIVE

0 30 60 90 120 150m

1 : 1500

NOTES:

- ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.
- ALL COORDINATES TO MGA. ALL LEVELS TO AHD.
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- PRECINCT BOUNDARIES ARE INDICATIVE ONLY AND ARE SUBJECT TO CHANGE.

01	ISSUE FOR DEVELOPMENT APPLICATION	11/03/2013
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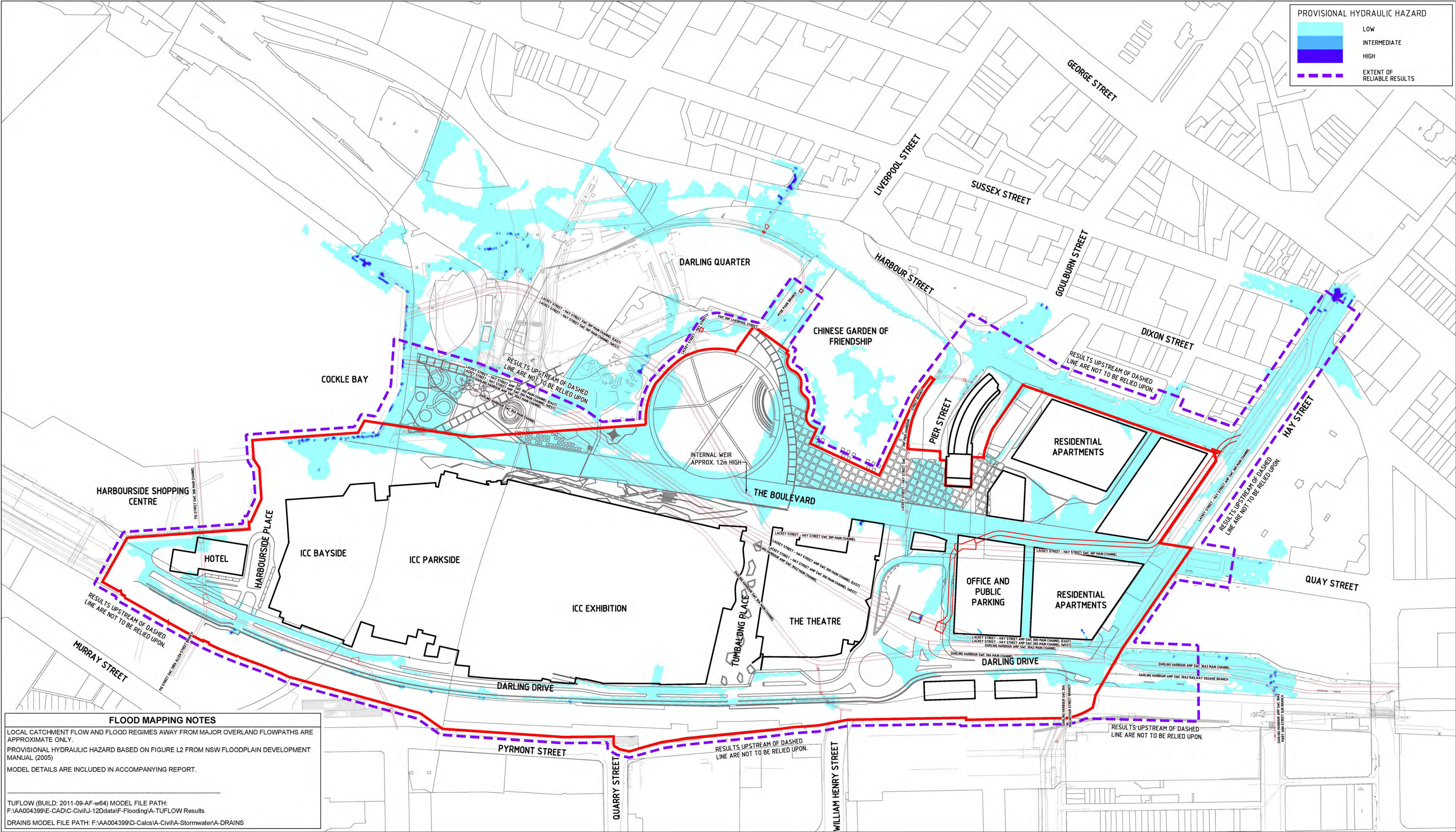
DRAWING TITLE

**5 YEAR ARI
PROPOSED DEVELOPMENT
PROVISIONAL HYDRAULIC HAZARD**

STATUS

PRELIMINARY ONLY

SCALE @ A1	DRAWN	DESIGNED	REVIEWED	APPROVED
1:1500	RD	CM	BC	JH
PROJECT NUMBER	DRAWING NUMBER	REV		
AA004399	WP-FL-0421	01		



FLOOD MAPPING NOTES

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DRAINS MODEL FILE PATH: F:\AA004399\I-CAD\Civil\A-Stormwater\A-DRAINS

DARLING HARBOUR LIVE

0 30 60 90 120 150m

1 : 1500

NOTES:

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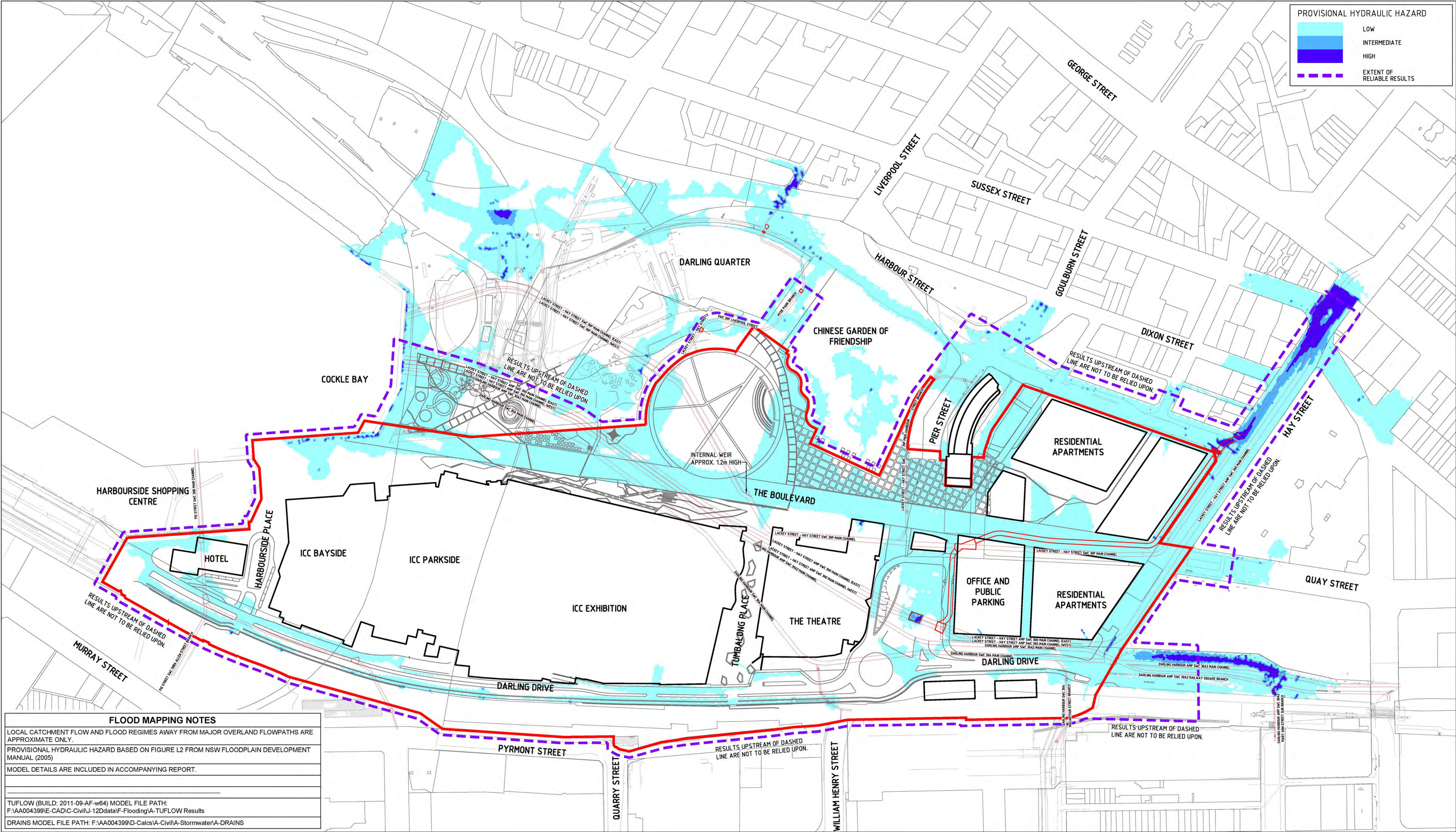
**20 YEAR ARI
PROPOSED DEVELOPMENT
PROVISIONAL HYDRAULIC HAZARD**

STATUS

PRELIMINARY ONLY

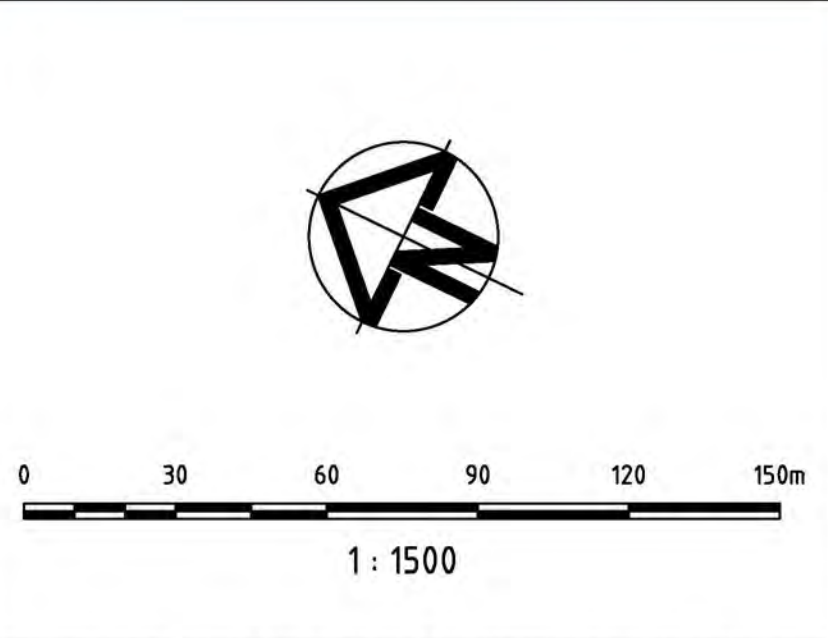
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1:1500	RD	CM	BC	JH

PROJECT NUMBER	DRAWING NUMBER	REV
AA004399	WP-FL-0422	01



FLOOD MAPPING NOTES	
LOCAL CATCHMENT FLOW AND FLOOD REGIMES AWAY FROM MAJOR OVERLAND FLOWPATHS ARE APPROXIMATE ONLY.	
PROVISIONAL HYDRAULIC HAZARD BASED ON FIGURE L2 FROM NSW FLOODPLAIN DEVELOPMENT MANUAL (2005)	
MODEL DETAILS ARE INCLUDED IN ACCOMPANYING REPORT.	
TUFLOW (BUILD: 2011-09-AF-w64) MODEL FILE PATH: F:\AA004399\I-CAD\I-Civil\J-12\data\F-Flooding\A-TUFLOW Results	
DRAINS MODEL FILE PATH: F:\AA004399\I-CAD\I-Civil\A-Stormwater\A-DRAINS	

DARLING HARBOUR LIVE



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PROJECT

**SICEEP
DARLING HARBOUR
PROJECT PRECINCT**



DRAWING TITLE				
100 YEAR ARI PROPOSED DEVELOPMENT PROVISIONAL HYDRAULIC HAZARD				
STATUS				
PRELIMINARY ONLY				
SCALE @ A1	DRAWN	DESIGNED	REVIEWED	APPROVED
1:1500	RD	CM	BC	JH
PROJECT NUMBER	DRAWING NUMBER		REV	
AA004399	WP-FL-0423		01	

NOTES:

1. ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.
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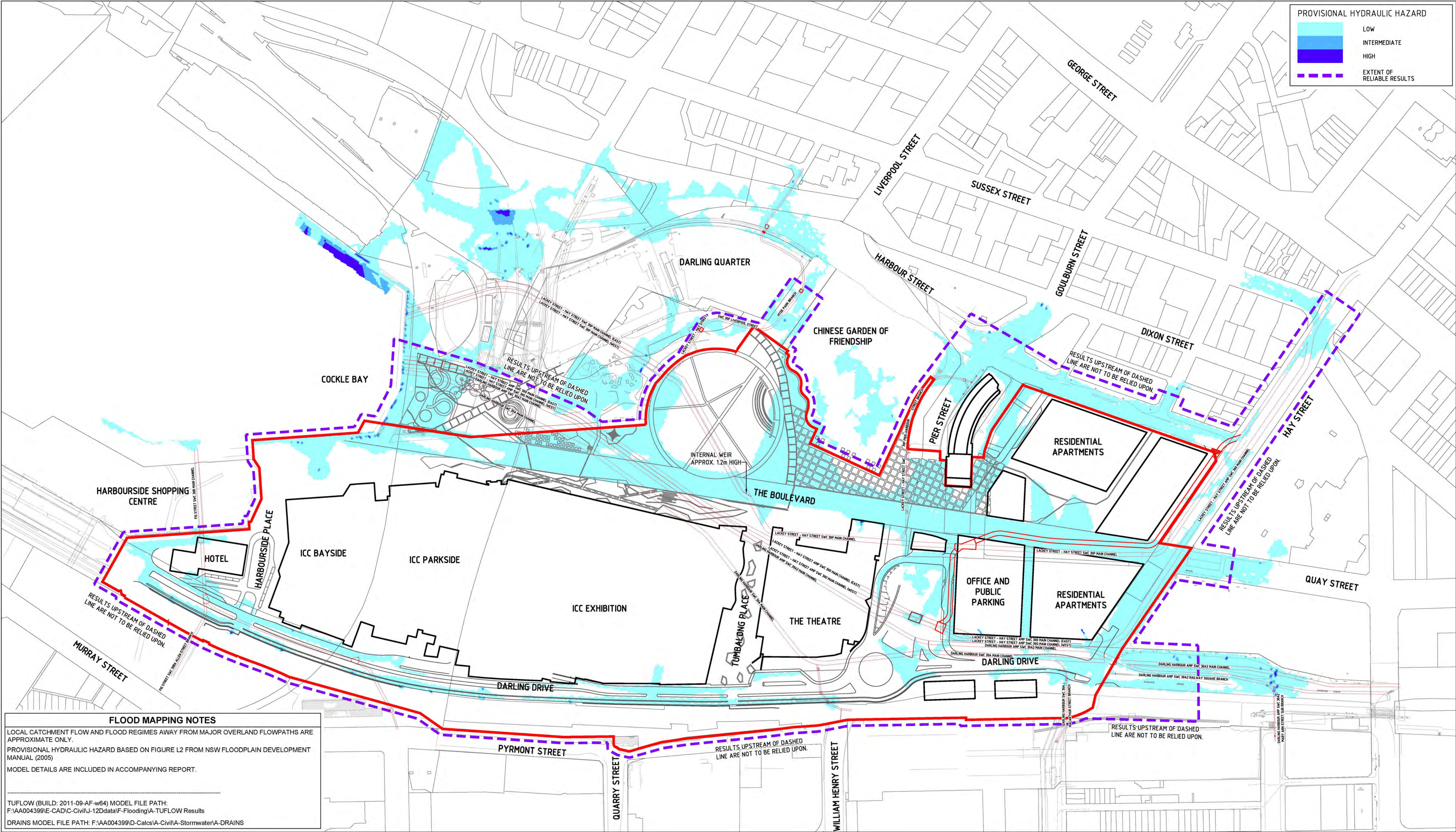
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PMF	
PROPOSED DEVELOPMENT	
PROVISIONAL HYDRAULIC HAZARD	

PRELIMINARY ONLY

SCALE @ A1	DRAWN	DESIGNED	REVIEWED	APPROVED
1:1500	RD	CM	BC	JH
PROJECT NUMBER	DRAWING NUMBER			REV
AA004399	WP-FL-0424			01



FLOOD MAPPING NOTES

LOCAL CATCHMENT FLOW AND FLOOD REGIMES AWAY FROM MAJOR OVERLAND FLOWPATHS ARE APPROXIMATE ONLY.

PROVISIONAL HYDRAULIC HAZARD BASED ON FIGURE L2 FROM NSW FLOODPLAIN DEVELOPMENT MANUAL (2005)

MODEL DETAILS ARE INCLUDED IN ACCOMPANYING REPORT.

TUFLOW (BUILD: 2011-09-AF-w64) MODEL FILE PATH:
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DRAINS MODEL FILE PATH: F:\AA004399\D-Calcs\A-Civil\A-Stormwater\A-DRAINS

DARLING HARBOUR LIVE

0 30 60 90 120 150m

1 : 1500

NOTES:

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DRAWING TITLE

**5 YEAR ARI
PROPOSED DEVELOPMENT
PROVISIONAL HYDRAULIC HAZARD
INCLUDING POTENTIAL CLIMATE CHANGE**

STATUS

PRELIMINARY ONLY

SCALE @ A1	DRAWN	DESIGNED	REVIEWED	APPROVED
1:1500	RD	CM	BC	JH

PROJECT NUMBER	DRAWING NUMBER	REV
AA004399	WP-FL-0431	01

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REV	DESCRIPTION	DATE



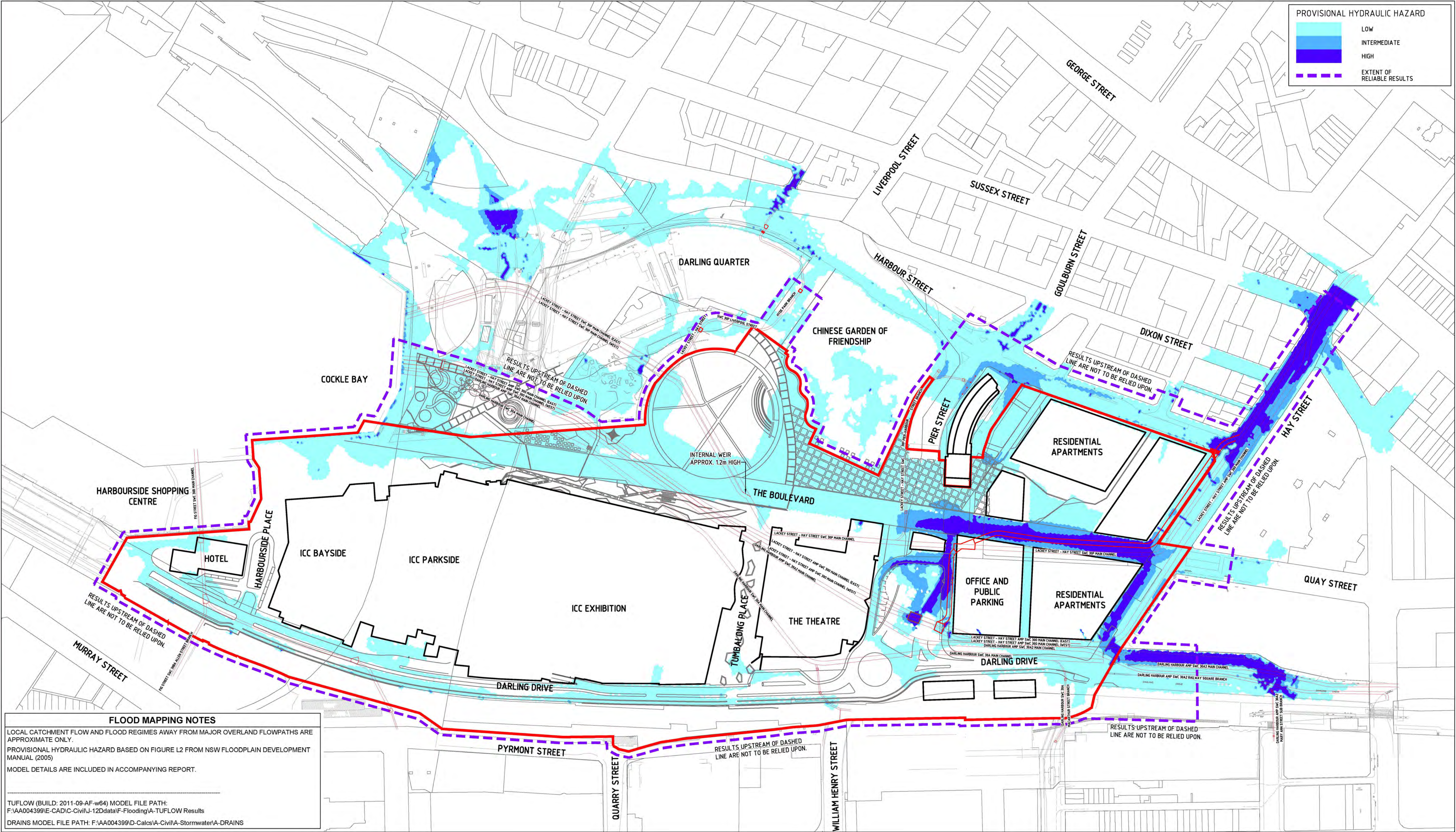
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PROJECT
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DARLING HARBOUR
PROJECT PRECINCT



PRELIMINARY ONLY

SCALE @ A1 1:1500	DRAWN RD	DESIGNED CM	REVIEWED BC	APPROVED JH
PROJECT NUMBER AA004399	DRAWING NUMBER WP-FL-0432			REV 01



FLOOD MAPPING NOTES

LOCAL CATCHMENT FLOW AND FLOOD REGIMES AWAY FROM MAJOR OVERLAND FLOWPATHS ARE APPROXIMATE ONLY.

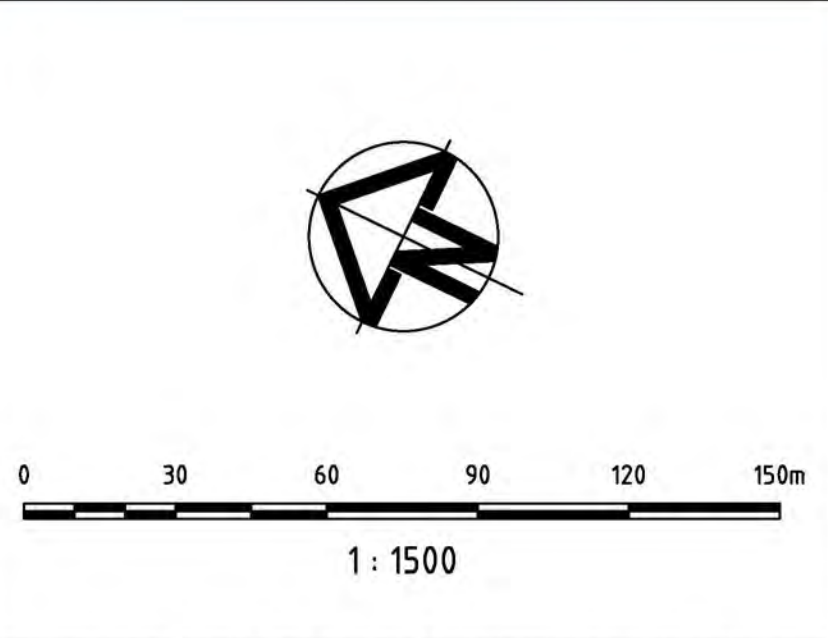
PROVISIONAL HYDRAULIC HAZARD BASED ON FIGURE L2 FROM NSW FLOODPLAIN DEVELOPMENT MANUAL (2005)

MODEL DETAILS ARE INCLUDED IN ACCOMPANYING REPORT.

TUFLOW (BUILD: 2011-09-AF-w64) MODEL FILE PATH:
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DRAINS MODEL FILE PATH: F:\AA004399\I-CAD\Civil\A-Stormwater\A-DRAINS

DARLING HARBOUR LIVE



- NOTES:**
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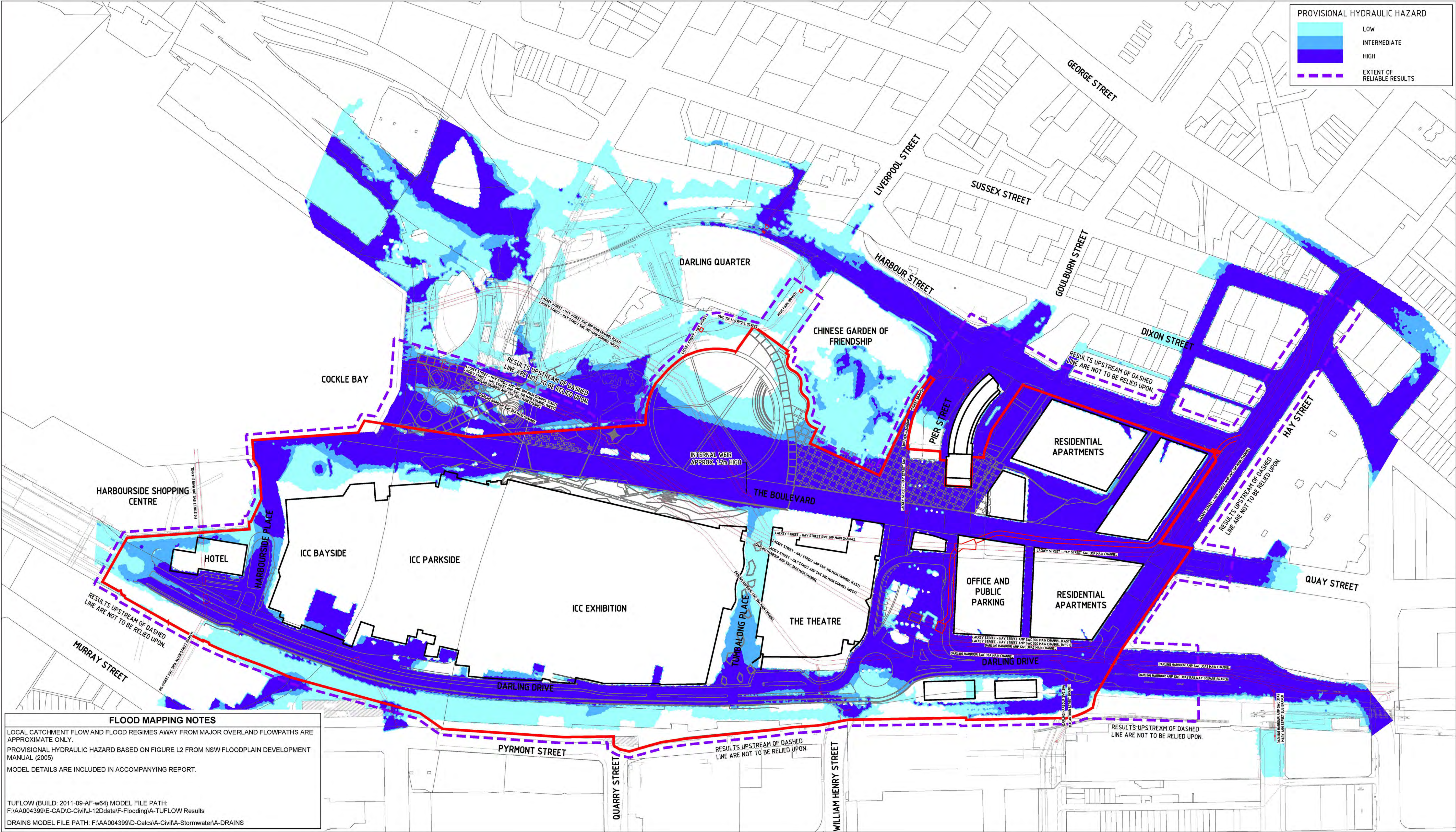
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PROJECT
**SICEEP
DARLING HARBOUR
PROJECT PRECINCT**

DRAWING TITLE 100 YEAR ARI PROPOSED DEVELOPMENT PROVISIONAL HYDRAULIC HAZARD INCLUDING POTENTIAL CLIMATE CHANGE				
STATUS PRELIMINARY ONLY				
SCALE @ A1 1:1500	DRAWN RD	DESIGNED CM	REVIEWED BC	APPROVED JH
PROJECT NUMBER AA004399	DRAWING NUMBER WP-FL-0433		REV 01	



FLOOD MAPPING NOTES

LOCAL CATCHMENT FLOW AND FLOOD REGIMES AWAY FROM MAJOR OVERLAND FLOWPATHS ARE APPROXIMATE ONLY.
PROVISIONAL HYDRAULIC HAZARD BASED ON FIGURE L2 FROM NSW FLOODPLAIN DEVELOPMENT MANUAL (2005)
MODEL DETAILS ARE INCLUDED IN ACCOMPANYING REPORT.

TUFLOW (BUILD: 2011-09-AF-w64) MODEL FILE PATH:
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DRAINS MODEL FILE PATH: F:\AA004399\I-CAD\I-Civil\A-Stormwater\A-DRAINS

DARLING HARBOUR LIVE

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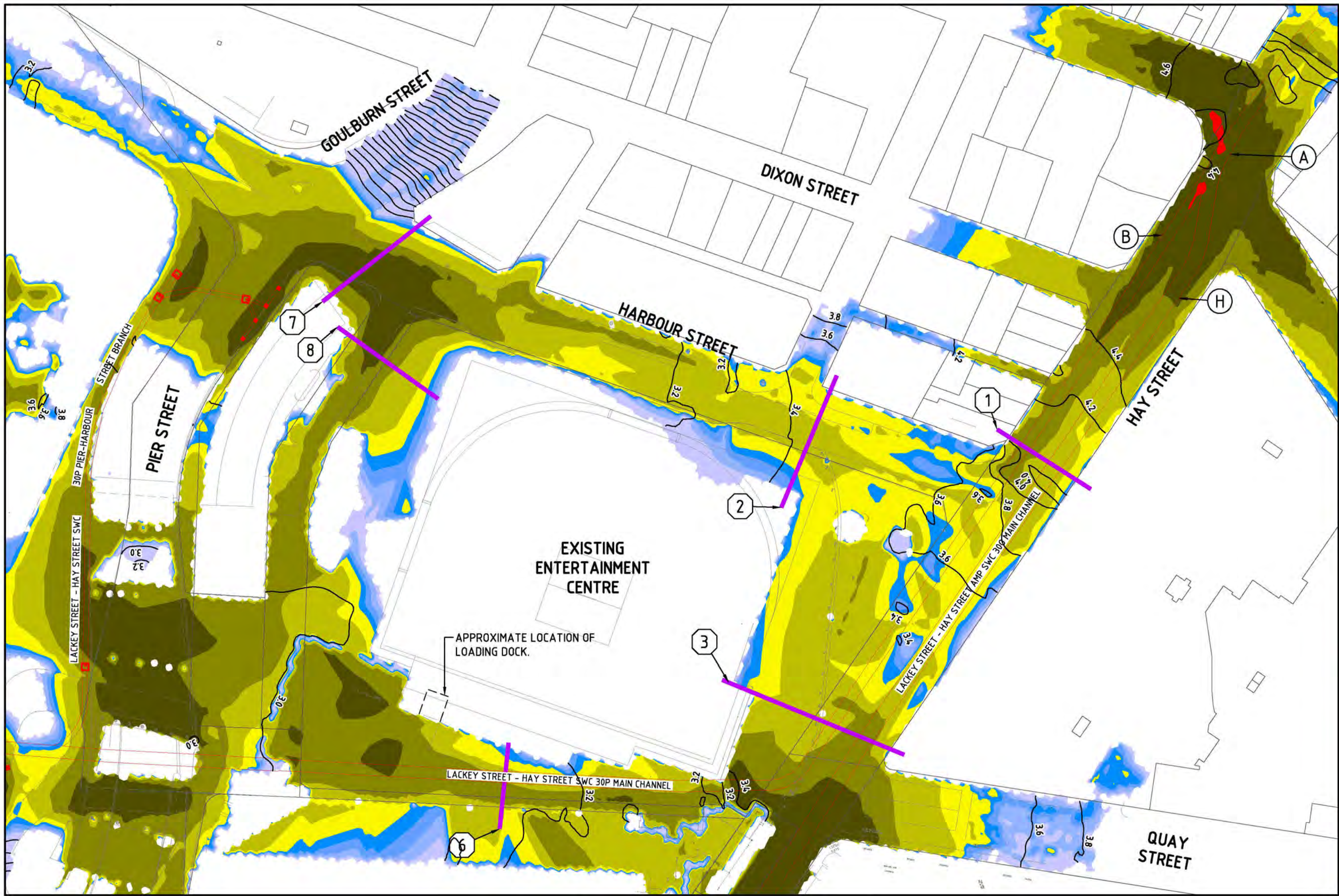
DRAWING TITLE

**PMF
PROPOSED DEVELOPMENT
PROVISIONAL HYDRAULIC HAZARD
INCLUDING POTENTIAL CLIMATE CHANGE**

STATUS

PRELIMINARY ONLY

SCALE @ A1	DRAWN	DESIGNED	REVIEWED	APPROVED
1:1500	RD	CM	BC	JH
PROJECT NUMBER	DRAWING NUMBER	REV		
AA004399	WP-FL-0434	01		

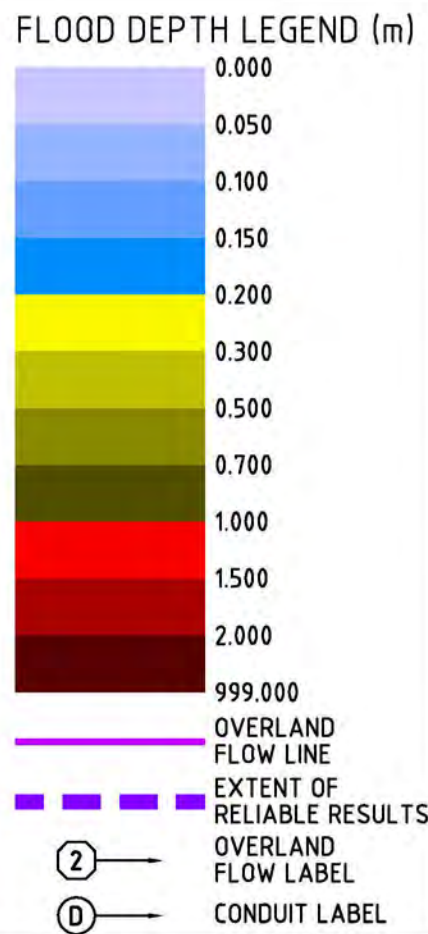


8th NOVEMBER 1984 – WITH AMPLIFICATION

1 : 1000

CONDUIT LABEL	CONDUIT DIMENSION (m)	SYDNEY WATER CHANNEL	LOCATION	Q (m³/s) ¹	V (m/s) ²	STORM DURATION (MIN)
A	3.6 x 2.1	300	HAY STREET	34.1	4.5	120
B	3.1 x 2.0	30P	HAY STREET	12.9	2.2	120
H	4.3 x 2.4	300	HAY STREET	24.8	2.4	120

OVERLAND FLOW LABEL	LOCATION	Q (m³/s) ¹
1	HAY STREET	21.8
2	HARBOUR STREET	9.6
3	HAY STREET	11.0
6	BETWEEN EC AND CAR PARK/THE BOULEVARD	8.4
7	HARBOUR STREET	5.4
8	LITTLE PIER STREET	4.6



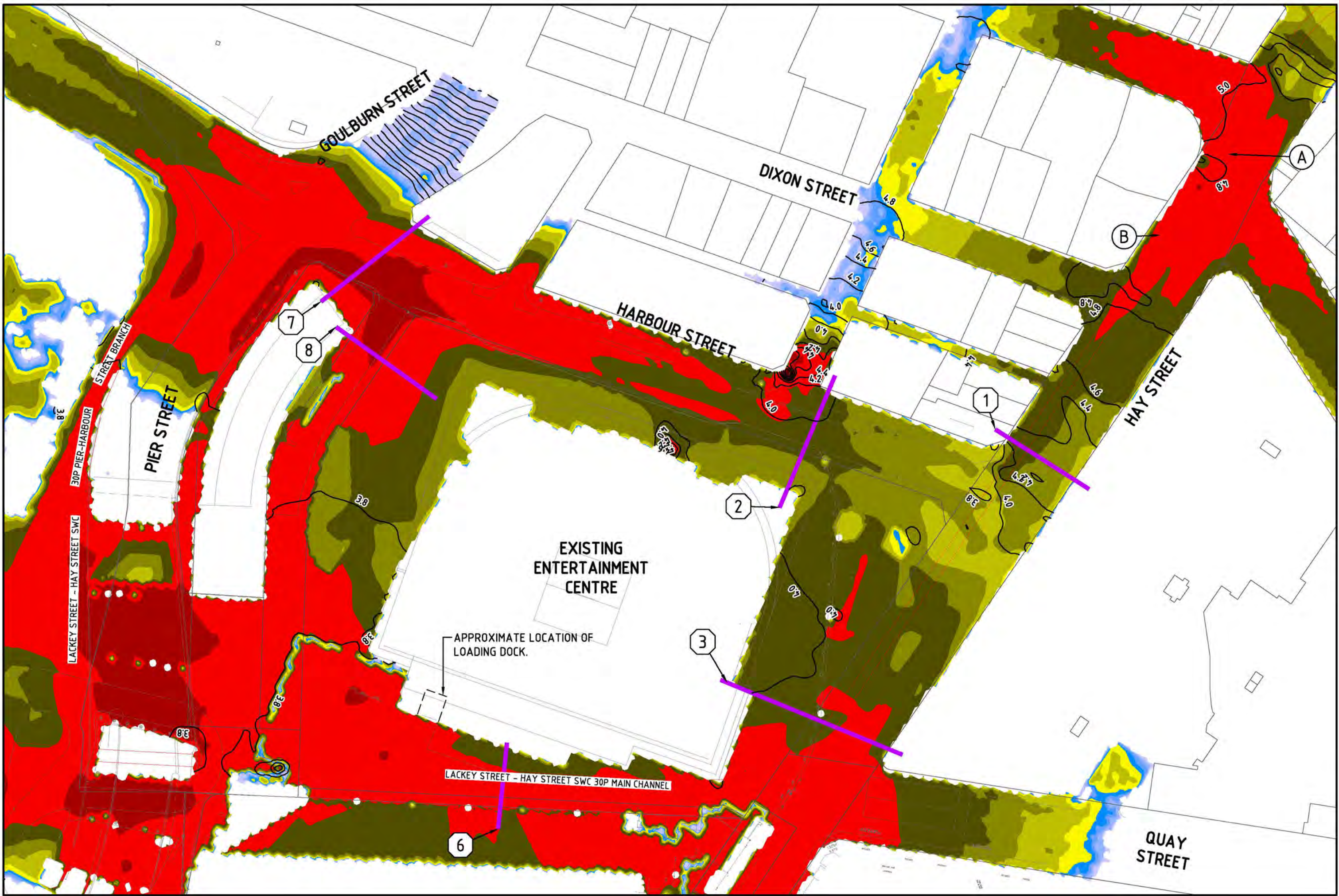
NOTES

THE TIDE LEVEL IN COCKLE BAY ADOPTED IN THE MODELLING IS 0.3m AHD ESTIMATED FROM FORT DENISON TIDE LEVEL INFORMATION DURING THE STORM EVENT. THE TIDE WAS DECLINING DURING THE RAINFALL EVENT.

BASED ON SYDNEY WATER 'WORKS-AS-EXECUTED' DRAWINGS FOR THE DARLING HARBOUR AMPLIFICATION IT APPEARS THAT THE 4.3m x 2.4m CHANNEL (LACKEY-HAY ST AMP 300 MAIN CHANNEL) WAS NOT CONSTRUCTED AT THE TIME OF THE STORM EVENT.

THE DEM ADOPTED FOR THE NOVEMBER 1984 MODEL USED THE EXISTING SURFACE (AS DEFINED IN THE ACCOMPANYING REPORT) TO APPROXIMATE THE GROUND LEVELS.

TABLE NOTES
¹ FLOW IS PEAK FOR MODELLED DESIGN CONDITION
² VELOCITY IS AT CORRESPONDING DESIGN FLOW



8th NOVEMBER 1984

1 : 1000

CONDUIT LABEL	CONDUIT DIMENSION (m)	SYDNEY WATER CHANNEL	LOCATION	Q (m³/s) ¹	V (m/s) ²	STORM DURATION (MIN)
A	3.6 x 2.1	300	HAY STREET	15.6	2.1	120
B	3.1 x 2.0	30P	HAY STREET	15.1	2.5	120

OVERLAND FLOW LABEL	LOCATION	Q (m³/s) ¹
1	HAY STREET	41.3
2	HARBOUR STREET	22.2
3	HAY STREET	21.1
6	BETWEEN EC AND CAR PARK/THE BOULEVARD	17.2
7	HARBOUR STREET	17.4
8	LITTLE PIER STREET	7.5

DARLING HARBOUR LIVE



1 : 1000

NOTES:

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PROJECT

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DARLING HARBOUR
PROJECT PRECINCT

DRAWING TITLE

8th NOVEMBER 1984
FLOOD ASSESSMENTS

STATUS

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SCALE @ A1	DRAWN	DESIGNED	REVIEWED	APPROVED
1:1000	RD	CM	BC	JH
PROJECT NUMBER	DRAWING NUMBER			REV
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