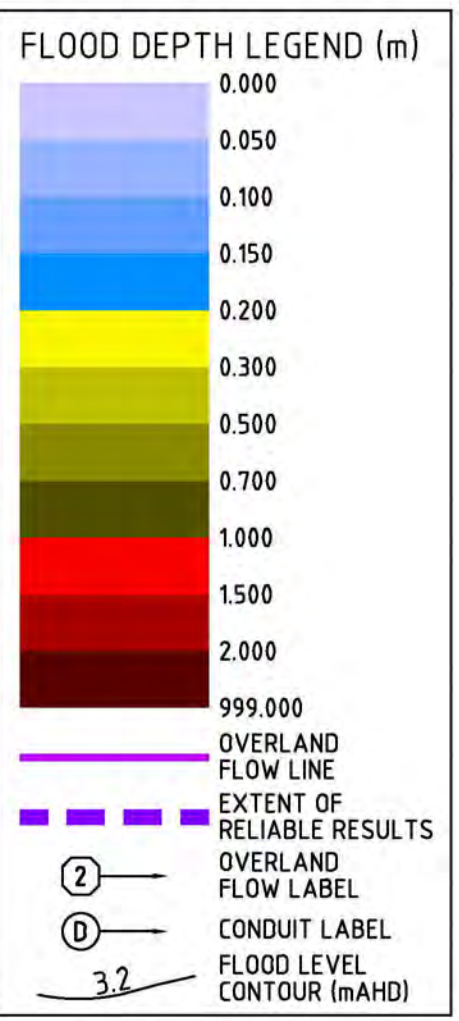


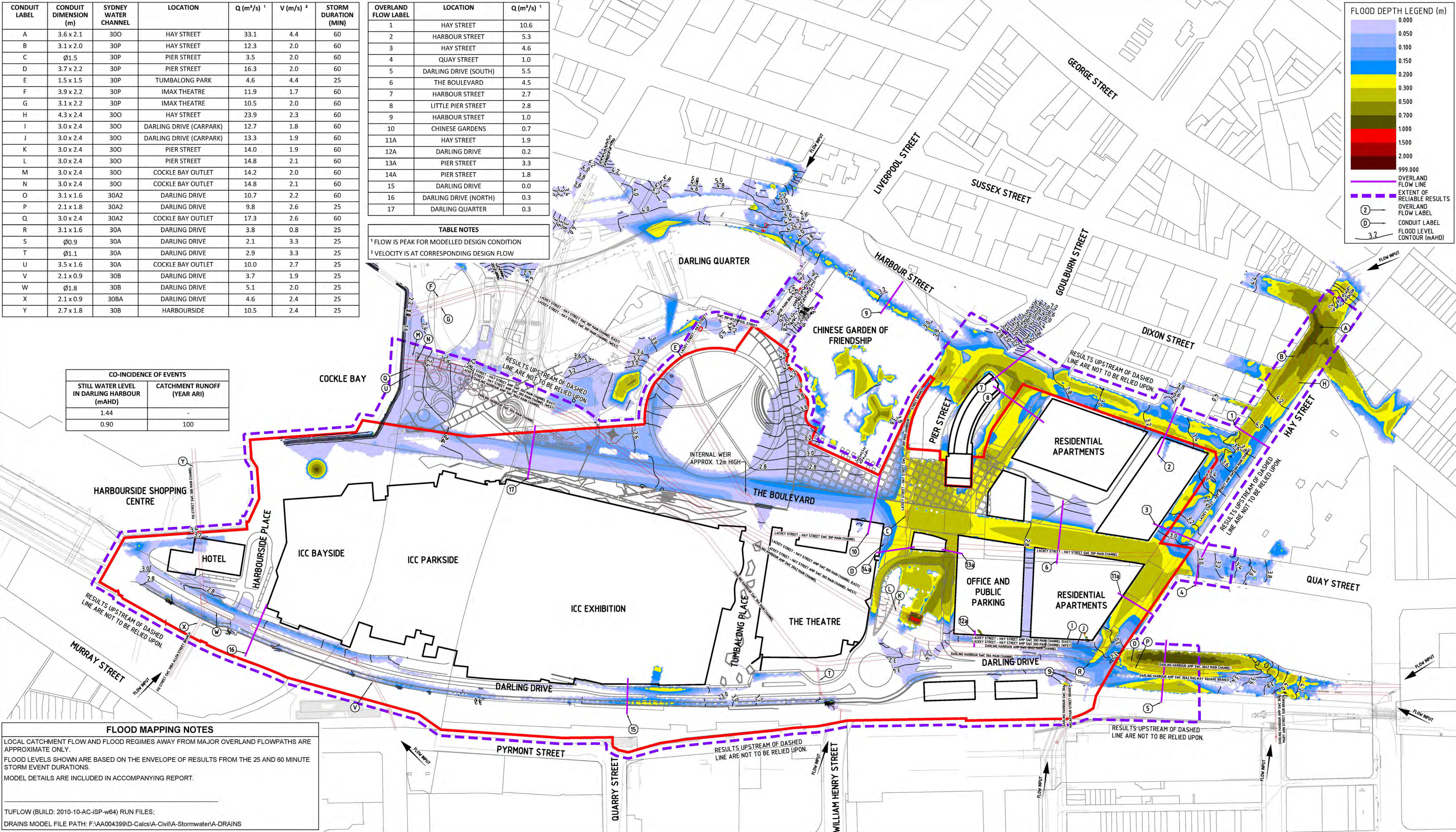
CONDUIT LABEL	CONDUIT DIMENSION (m)	SYDNEY WATER CHANNEL	LOCATION	Q (m³/s) ¹	V (m/s) ²	STORM DURATION (MIN)
A	3.6 x 2.1	300	HAY STREET	33.1	4.4	60
B	3.1 x 2.0	30P	HAY STREET	12.3	2.0	60
C	Ø1.5	30P	PIER STREET	3.5	2.0	60
D	3.7 x 2.2	30P	PIER STREET	16.3	2.0	60
E	1.5 x 1.5	30P	TUMBALONG PARK	4.6	4.4	25
F	3.9 x 2.2	30P	IMAX THEATRE	11.9	1.7	60
G	3.1 x 2.2	30P	IMAX THEATRE	10.5	2.0	60
H	4.3 x 2.4	300	HAY STREET	23.9	2.3	60
I	3.0 x 2.4	300	DARLING DRIVE (CARPARK)	12.7	1.8	60
J	3.0 x 2.4	300	DARLING DRIVE (CARPARK)	13.3	1.9	60
K	3.0 x 2.4	300	PIER STREET	14.0	1.9	60
L	3.0 x 2.4	300	PIER STREET	14.8	2.1	60
M	3.0 x 2.4	300	COCKLE BAY OUTLET	14.2	2.0	60
N	3.0 x 2.4	300	COCKLE BAY OUTLET	14.8	2.1	60
O	3.1 x 1.6	30A2	DARLING DRIVE	10.7	2.2	60
P	2.1 x 1.8	30A2	DARLING DRIVE	9.8	2.6	25
Q	3.0 x 2.4	30A2	COCKLE BAY OUTLET	17.3	2.6	60
R	3.1 x 1.6	30A	DARLING DRIVE	3.8	0.8	25
S	Ø0.9	30A	DARLING DRIVE	2.1	3.3	25
T	Ø1.1	30A	DARLING DRIVE	2.9	3.3	25
U	3.5 x 1.6	30A	COCKLE BAY OUTLET	10.0	2.7	25
V	2.1 x 0.9	30B	DARLING DRIVE	3.7	1.9	25
W	Ø1.8	30B	DARLING DRIVE	5.1	2.0	25
X	2.1 x 0.9	30BA	DARLING DRIVE	4.6	2.4	25
Y	2.7 x 1.8	30B	HARBOURSIDE	10.5	2.4	25

OVERLAND FLOW LABEL	LOCATION	Q (m³/s) ¹
1	HAY STREET	10.6
2	HARBOUR STREET	5.3
3	HAY STREET	4.6
4	QUAY STREET	1.0
5	DARLING DRIVE (SOUTH)	5.5
6	THE BOULEVARD	4.5
7	HARBOUR STREET	2.7
8	LITTLE PIER STREET	2.8
9	HARBOUR STREET	1.0
10	CHINESE GARDENS	0.7
11A	HAY STREET	1.9
12A	DARLING DRIVE	0.2
13A	PIER STREET	3.3
14A	PIER STREET	1.8
15	DARLING DRIVE	0.0
16	DARLING DRIVE (NORTH)	0.3
17	DARLING QUARTER	0.3

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

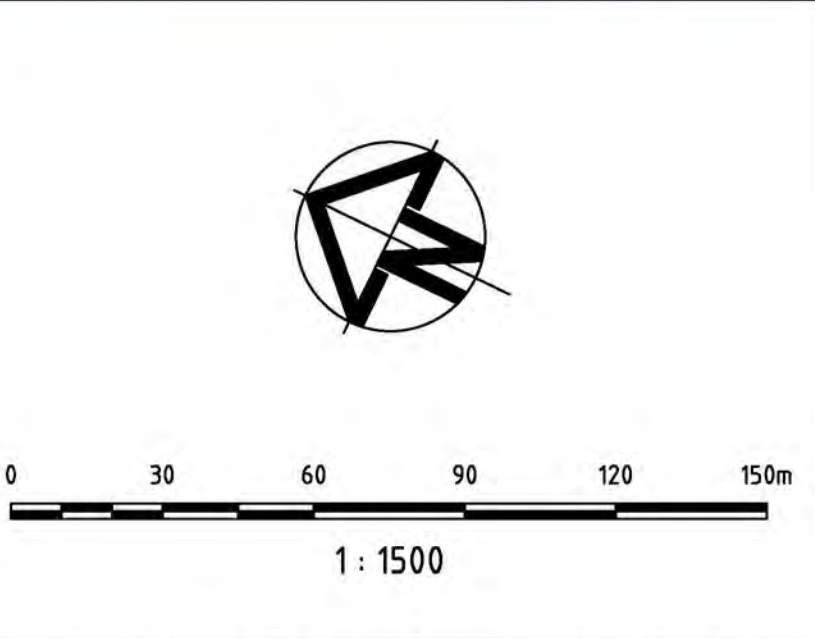


CO-INCIDENCE OF EVENTS	
STILL WATER LEVEL IN DARLING HARBOUR (mAHD)	CATCHMENT RUNOFF (YEAR ARI)
1.44	-
0.90	100



FLOOD MAPPING NOTES
LOCAL CATCHMENT FLOW AND FLOOD REGIMES AWAY FROM MAJOR OVERLAND FLOWPATHS ARE APPROXIMATE ONLY.
FLOOD LEVELS SHOWN ARE BASED ON THE ENVELOPE OF RESULTS FROM THE 25 AND 60 MINUTE STORM EVENT DURATIONS.
MODEL DETAILS ARE INCLUDED IN ACCOMPANYING REPORT.
TUFLOW (BUILD: 2010-10-AC-iSP-w64) RUN FILES;
DRAINS MODEL FILE PATH: F:\AA004399\D-Calcs\A-Civil\A-Stormwater\A-DRAINS

DARLING HARBOUR LIVE



- NOTES:
- ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.
 - ALL COORDINATES TO MGA. ALL LEVELS TO AHD.
 - THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS AND DRAWINGS.
 - PRECINCT BOUNDARIES ARE INDICATIVE ONLY AND ARE SUBJECT TO CHANGE.

REV	DESCRIPTION	DATE
01	ISSUE FOR DEVELOPMENT APPLICATION	11/03/2013

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CIVIL / TRAFFIC / FACADES

Hyder

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PROJECT

**SICEEP
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PROJECT PRECINCT**

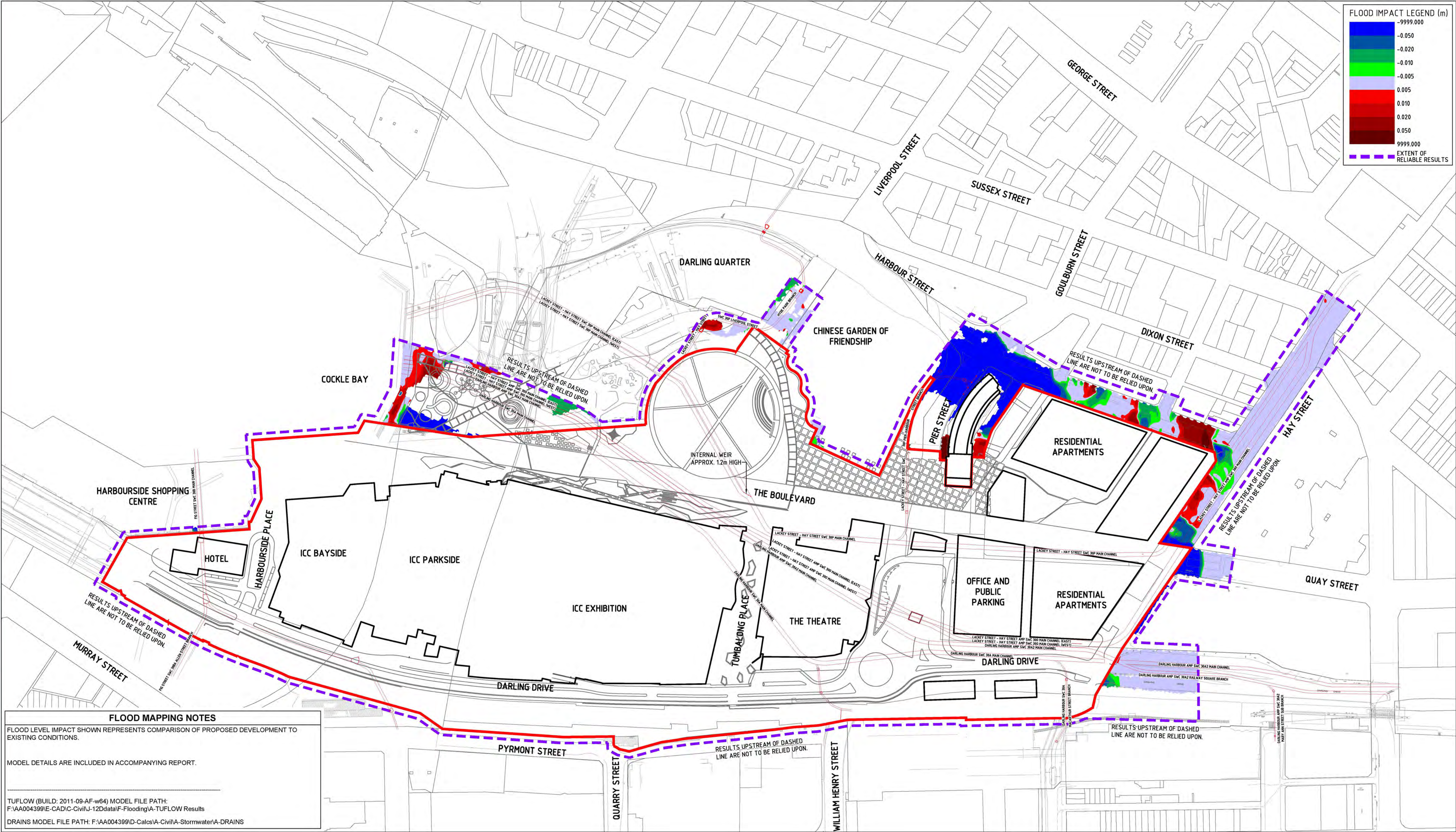
DRAWING TITLE

100 YEAR ARI PROPOSED DEVELOPMENT
FLOOD DEPTH AND LEVEL CONTOURS
WITHOUT CULVERT AMPLIFICATION

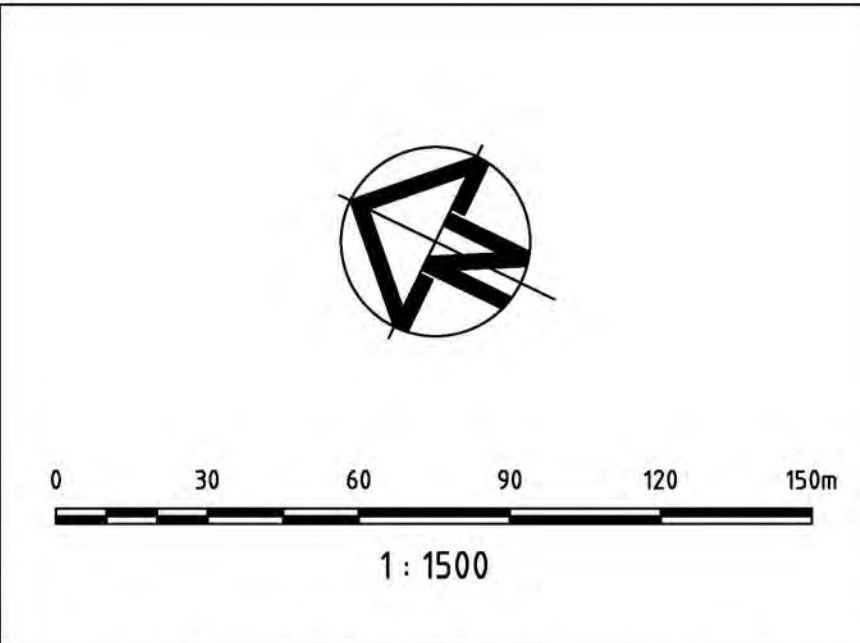
STATUS

PRELIMINARY ONLY

SCALE @ A1	DRAWN	DESIGNED	REVIEWED	APPROVED
1:1500	RD	CM	BC	JH
PROJECT NUMBER	DRAWING NUMBER		REV	
AA004399	WP-FL-0601		01	



DARLING HARBOUR LIVE



- NOTES:**
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 2. ALL COORDINATES TO MGA. ALL LEVELS TO AHD.
 3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS AND DRAWINGS.
 4. PRECINCT BOUNDARIES ARE INDICATIVE ONLY AND ARE SUBJECT TO CHANGE.

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PROJECT
**SICEEP
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PROJECT PRECINCT**

DRAWING TITLE
**100 YEAR ARI PROPOSED DEVELOPMENT
FLOOD LEVEL IMPACT
WITHOUT CULVERT AMPLIFICATION**

STATUS

PRELIMINARY ONLY

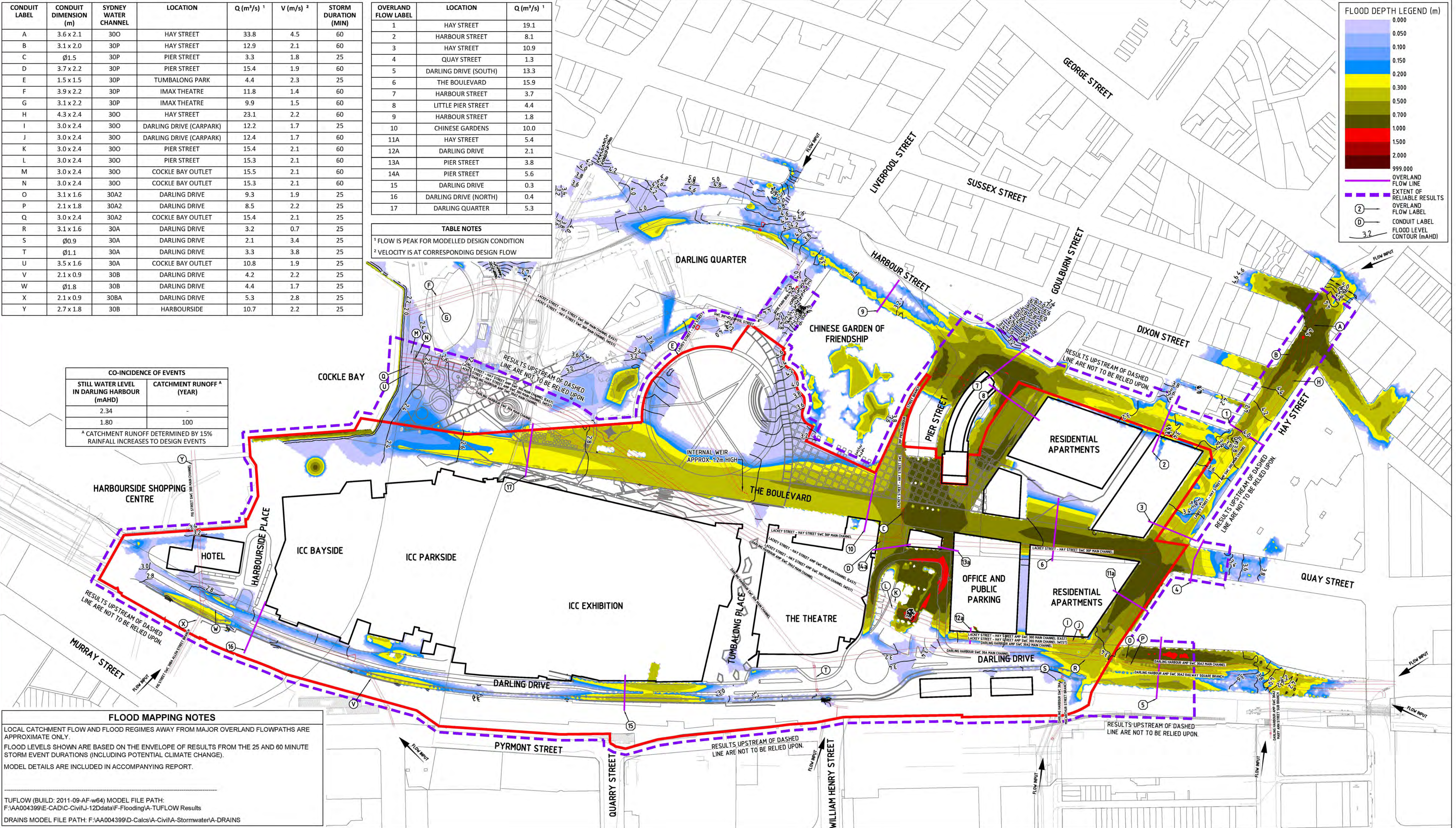
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1:1500	RD	CM	BC	JH
PROJECT NUMBER	DRAWING NUMBER	REV		
AA004399	WP-FL-0602	01		

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	33.8	4.5	60
B	3.1 x 2.0	30P	HAY STREET	12.9	2.1	60
C	Ø1.5	30P	PIER STREET	3.3	1.8	25
D	3.7 x 2.2	30P	PIER STREET	15.4	1.9	60
E	1.5 x 1.5	30P	TUMBALONG PARK	4.4	2.3	25
F	3.9 x 2.2	30P	IMAX THEATRE	11.8	1.4	60
G	3.1 x 2.2	30P	IMAX THEATRE	9.9	1.5	60
H	4.3 x 2.4	300	HAY STREET	23.1	2.2	60
I	3.0 x 2.4	300	DARLING DRIVE (CARPARK)	12.2	1.7	25
J	3.0 x 2.4	300	DARLING DRIVE (CARPARK)	12.4	1.7	60
K	3.0 x 2.4	300	PIER STREET	15.4	2.1	60
L	3.0 x 2.4	300	PIER STREET	15.3	2.1	60
M	3.0 x 2.4	300	COCKLE BAY OUTLET	15.5	2.1	60
N	3.0 x 2.4	300	COCKLE BAY OUTLET	15.3	2.1	60
O	3.1 x 1.6	30A2	DARLING DRIVE	9.3	1.9	25
P	2.1 x 1.8	30A2	DARLING DRIVE	8.5	2.2	25
Q	3.0 x 2.4	30A2	COCKLE BAY OUTLET	15.4	2.1	25
R	3.1 x 1.6	30A	DARLING DRIVE	3.2	0.7	25
S	Ø0.9	30A	DARLING DRIVE	2.1	3.4	25
T	Ø1.1	30A	DARLING DRIVE	3.3	3.8	25
U	3.5 x 1.6	30A	COCKLE BAY OUTLET	10.8	1.9	25
V	2.1 x 0.9	30B	DARLING DRIVE	4.2	2.2	25
W	Ø1.8	30B	DARLING DRIVE	4.4	1.7	25
X	2.1 x 0.9	30BA	DARLING DRIVE	5.3	2.8	25
Y	2.7 x 1.8	30B	HARBOURSIDE	10.7	2.2	25

OVERLAND FLOW LABEL	LOCATION	Q (m³/s) ¹
1	HAY STREET	19.1
2	HARBOUR STREET	8.1
3	HAY STREET	10.9
4	QUAY STREET	1.3
5	DARLING DRIVE (SOUTH)	13.3
6	THE BOULEVARD	15.9
7	HARBOUR STREET	3.7
8	LITTLE PIER STREET	4.4
9	HARBOUR STREET	1.8
10	CHINESE GARDENS	10.0
11A	HAY STREET	5.4
12A	DARLING DRIVE	2.1
13A	PIER STREET	3.8
14A	PIER STREET	5.6
15	DARLING DRIVE	0.3
16	DARLING DRIVE (NORTH)	0.4
17	DARLING QUARTER	5.3

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

CO-INCIDENCE OF EVENTS	
STILL WATER LEVEL IN DARLING HARBOUR (mAHD)	CATCHMENT RUNOFF ^ (YEAR)
2.34	
1.80	100
^ CATCHMENT RUNOFF DETERMINED BY 15% RAINFALL INCREASES TO DESIGN EVENTS	



FLOOD MAPPING NOTES

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

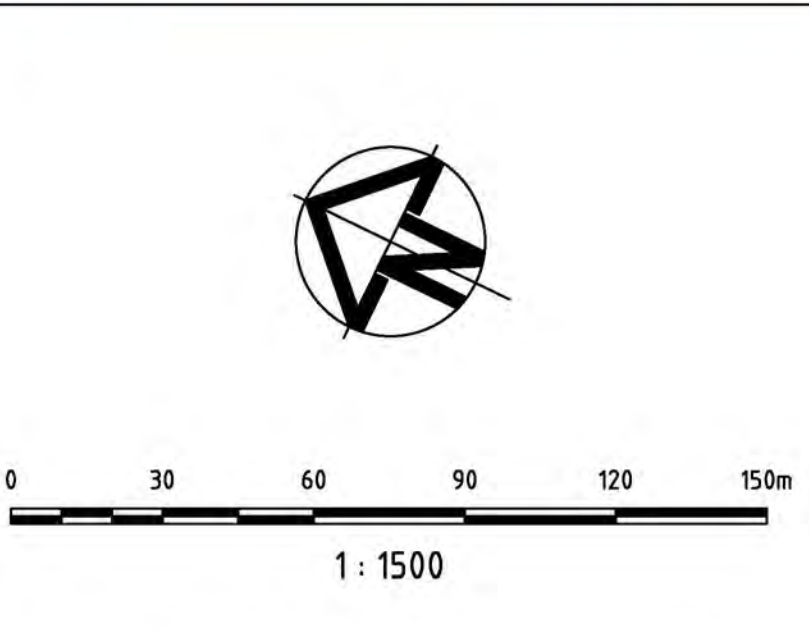
FLOOD LEVELS SHOWN ARE BASED ON THE ENVELOPE OF RESULTS FROM THE 25 AND 60 MINUTE STORM EVENT DURATIONS (INCLUDING POTENTIAL CLIMATE CHANGE).

MODEL DETAILS ARE INCLUDED IN ACCOMPANYING REPORT.

TUFLOW (BUILD: 2011-09-AF-w64) MODEL FILE PATH: F:\AA004399\I-CAD\Civil\J-12Data\F-Flooding\A-TUFLOW Results

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

DARLING HARBOUR LIVE



- NOTES:**
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REV	DESCRIPTION	DATE
01	ISSUE FOR DEVELOPMENT APPLICATION	11/03/2013

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PROJECT

SICEEP
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PROJECT PRECINCT

DRAWING TITLE

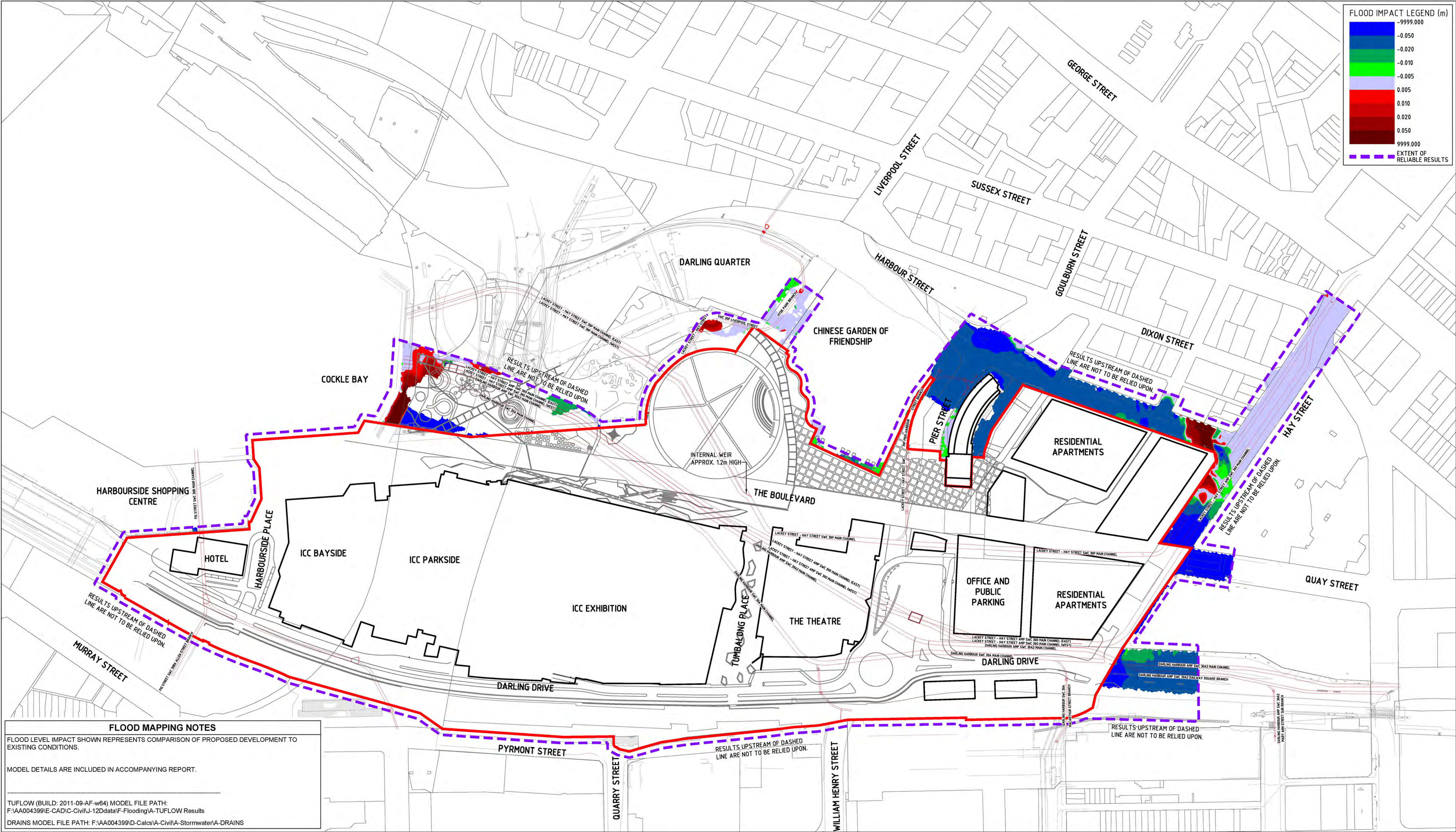
100 YEAR ARI PROPOSED DEVELOPMENT FLOOD DEPTH AND LEVEL CONTOURS WITHOUT CULVERT AMPLIFICATION INCLUDING POTENTIAL CLIMATE CHANGE

STATUS

PRELIMINARY ONLY

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

PROJECT NUMBER	DRAWING NUMBER	REV
AA004399	WP-FL-0611	01



FLOOD MAPPING NOTES

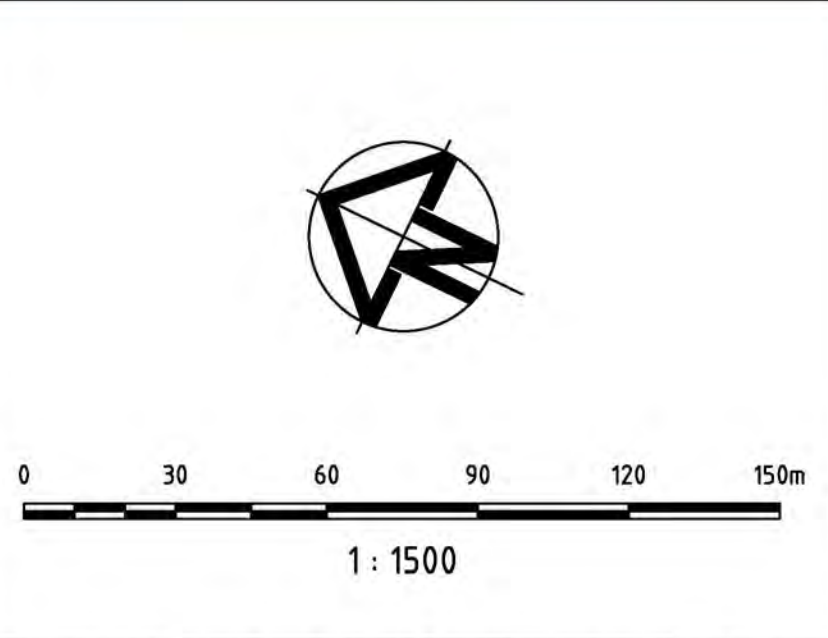
FLOOD LEVEL IMPACT SHOWN REPRESENTS COMPARISON OF PROPOSED DEVELOPMENT TO EXISTING CONDITIONS.

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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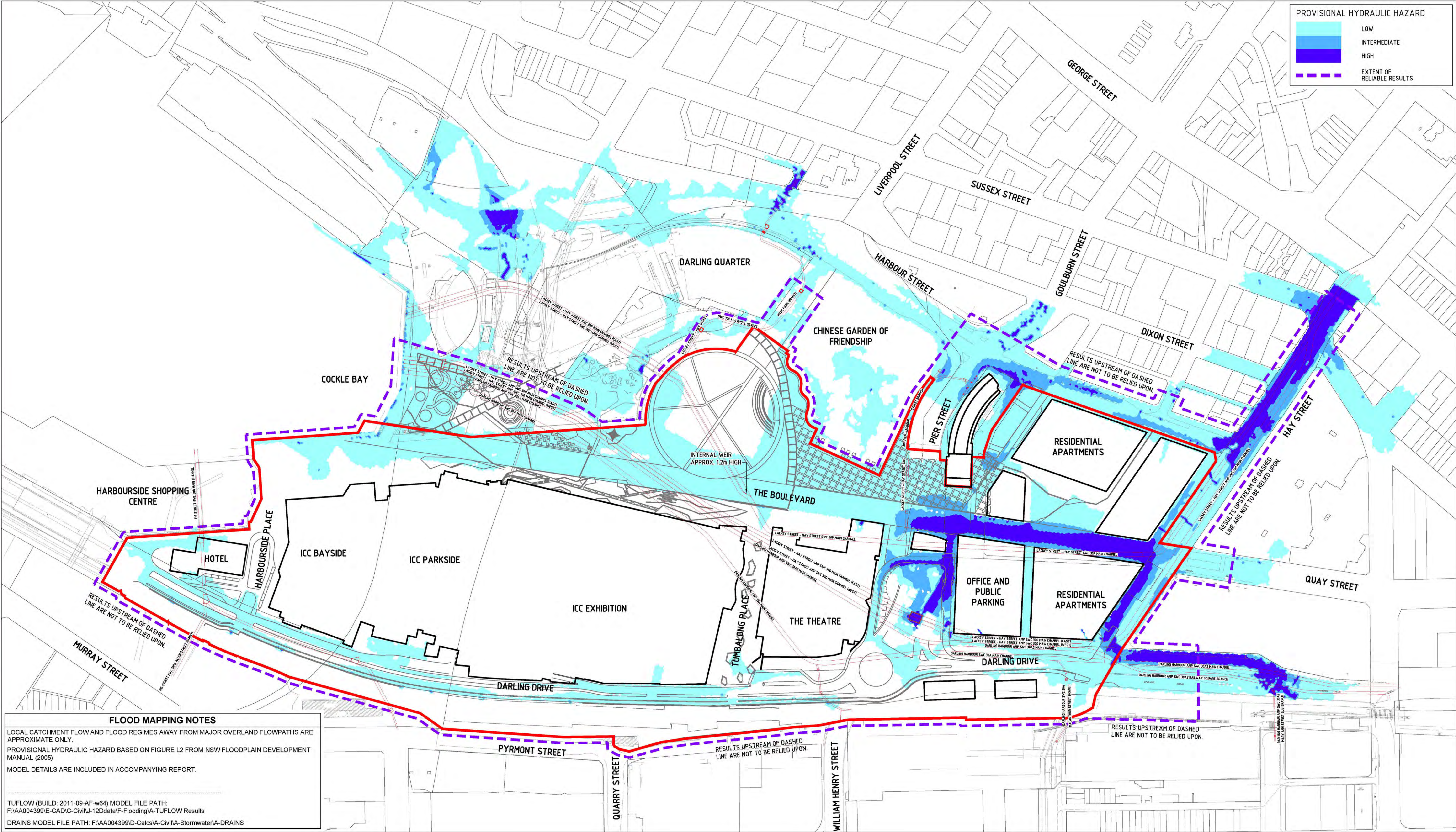
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FLOOD LEVEL IMPACT
WITHOUT CULVERT AMPLIFICATION
INCLUDING POTENTIAL CLIMATE CHANGE**

STATUS

PRELIMINARY ONLY

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1:1500	RD	CM	BC	JH

PROJECT NUMBER	DRAWING NUMBER	REV
AA004399	WP-FL-0612	01



FLOOD MAPPING NOTES

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

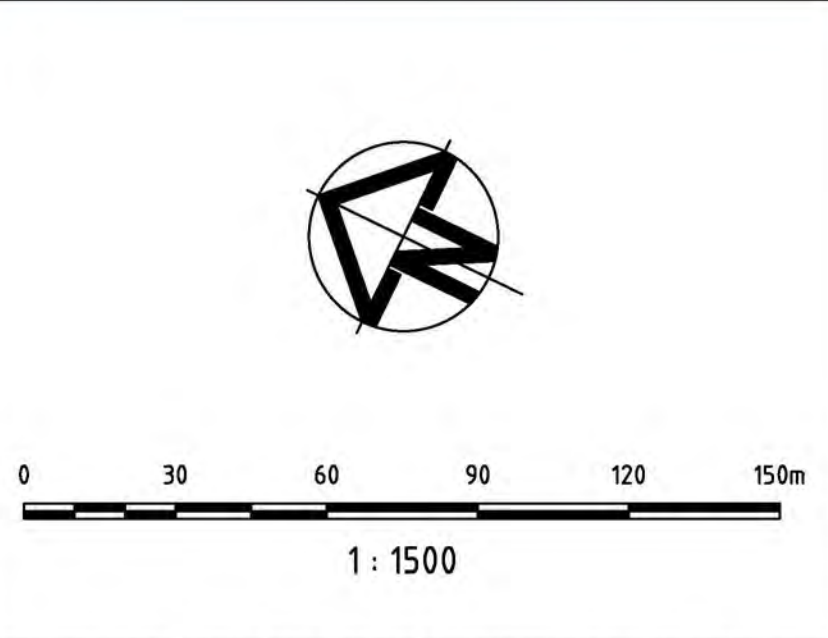
PROVISIONAL HYDRAULIC HAZARD BASED ON FIGURE L2 FROM NSW FLOODPLAIN DEVELOPMENT MANUAL (2005)

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



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**SICEEP
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DRAWING TITLE

**100 YEAR ARI PROPOSED DEVELOPMENT
PROVISIONAL HYDRAULIC HAZARD
WITHOUT CULVERT AMPLIFICATION
INCLUDING POTENTIAL CLIMATE CHANGE**

STATUS

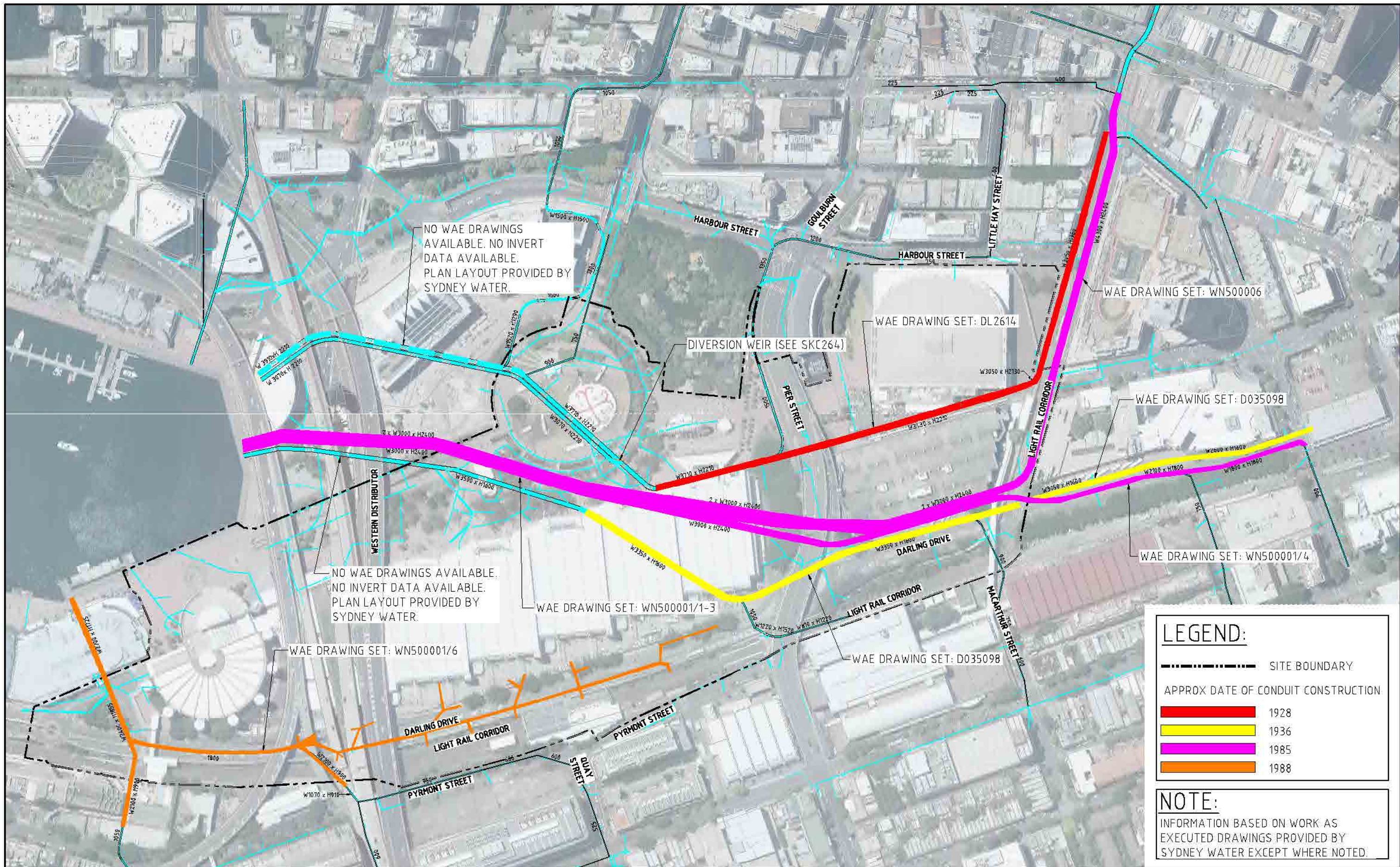
PRELIMINARY ONLY

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1:1500	RD	CM	BC	JH

PROJECT NUMBER	DRAWING NUMBER	REV
AA004399	WP-FL-0613	01

APPENDIX D

SYDNEY WATER CLOSED CONDUIT SYSTEMS



LEGEND:

----- SITE BOUNDARY

APPROX DATE OF CONDUIT CONSTRUCTION

Red	1928
Yellow	1936
Magenta	1985
Orange	1988

NOTE:
INFORMATION BASED ON WORK AS EXECUTED DRAWINGS PROVIDED BY SYDNEY WATER EXCEPT WHERE NOTED.

P1	ISSUE FOR INFORMATION	xx/02/13
Issue	Description	Date

0306090120150m

1 : 1500

Client

Status: **PRELIMINARY**
NOT TO BE USED FOR CONSTRUCTION

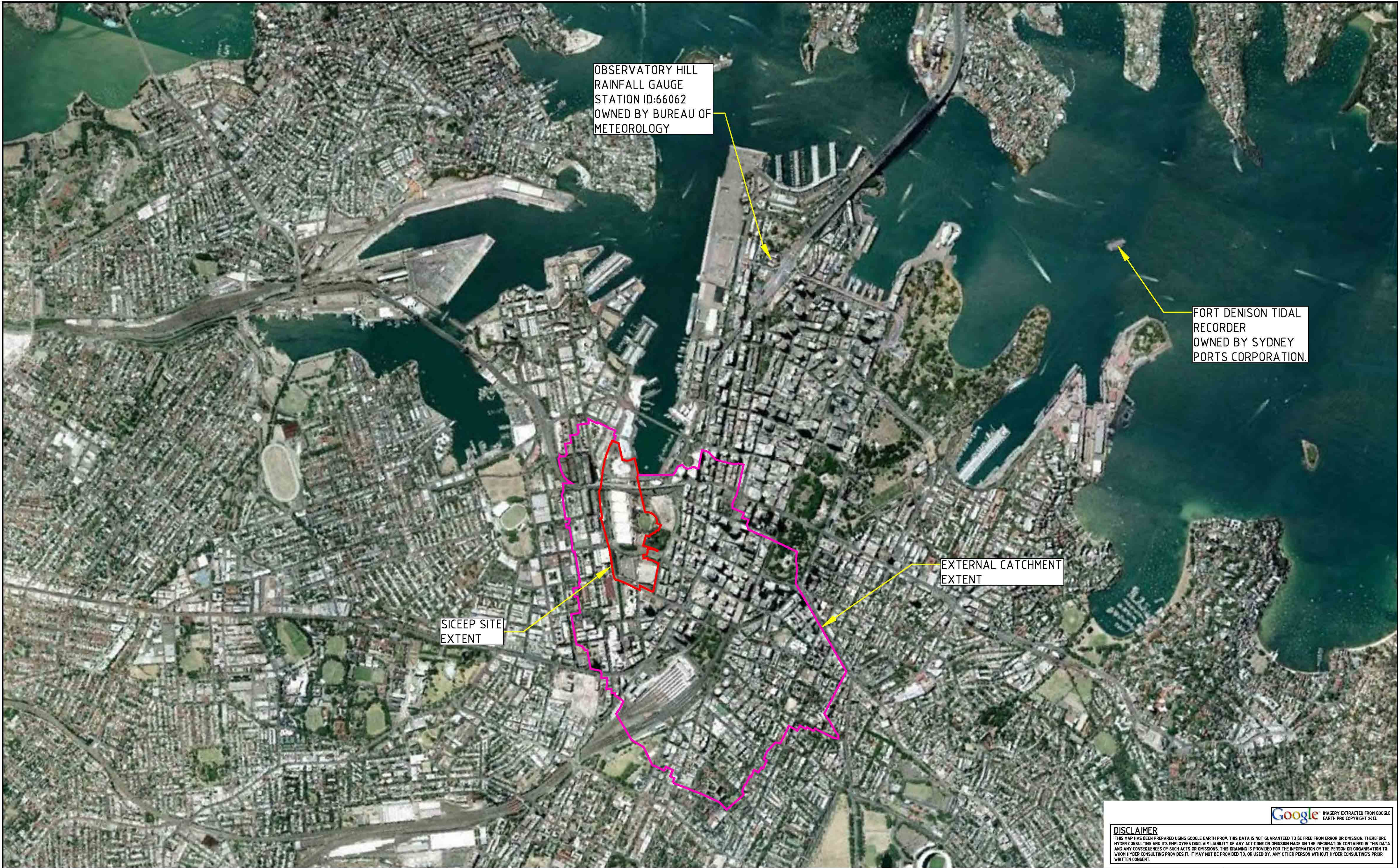
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Original Size	A1	Designed	GO
Height Datum	AHD	Checked	CM
Grid		Approved	
Filename:			

Project: **SICEP DARLING HARBOUR PROJECT PRECINCT**

Title: **SYDNEY WATER CLOSED CONDUIT INFORMATION**

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Drawing No.	Project No.	Issue
SKC266	AA004399	P1



P1	ISSUE FOR INFORMATION	xx/02/13
Issue	Description	Date

Client

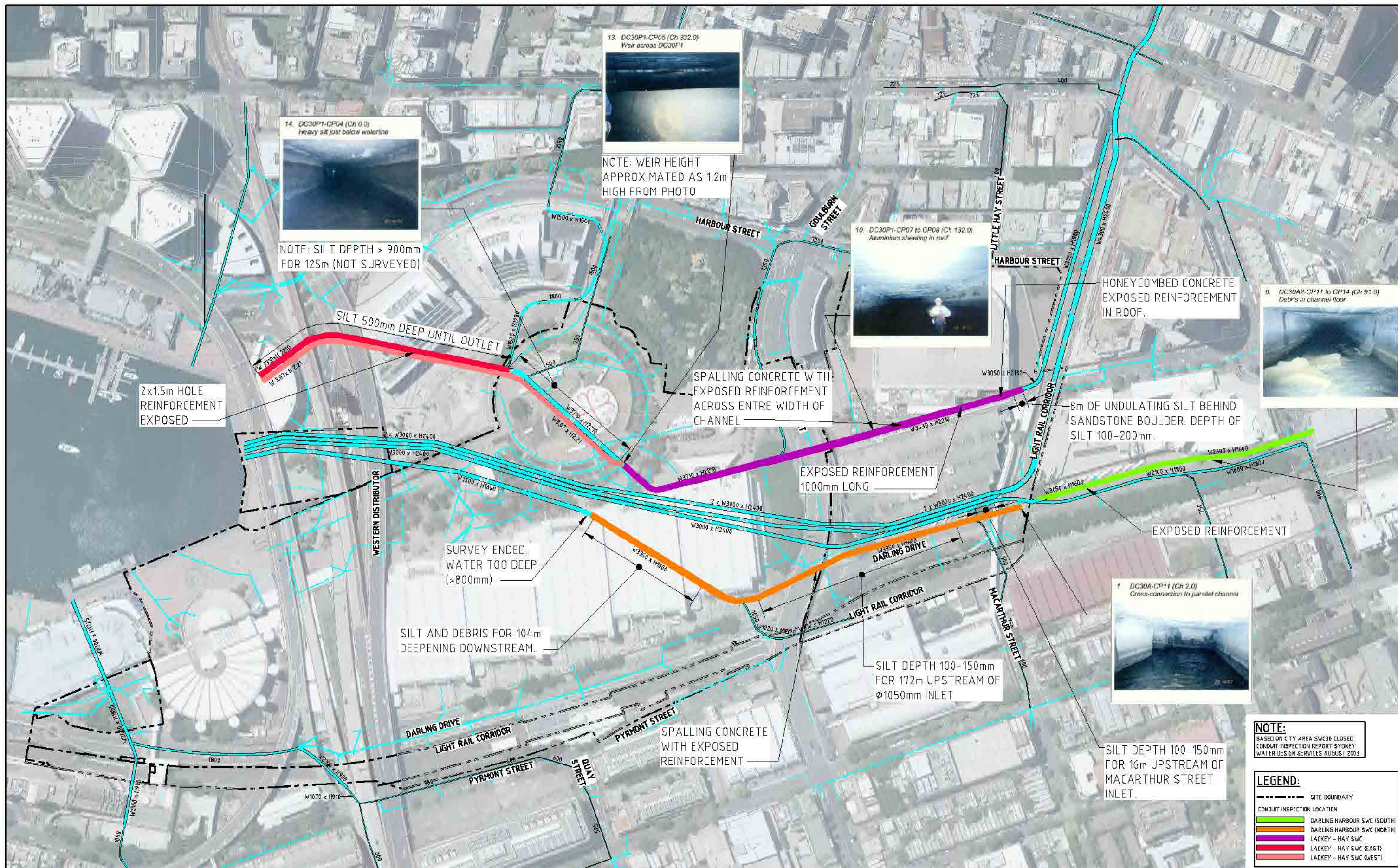
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Project
**SICEEP
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PROJECT PRECINCT**

Title
**RECORDER AND GAUGE STATION
LOCATIONS**

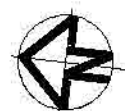
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Drawing No. | Project No. | Issue
SKC280 — AA004399 — P1



P1	ISSUE FOR INFORMATION	xx/02/13
Issue	Description	Date

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1 : 1500



Status	PRELIMINARY NOT TO BE USED FOR CONSTRUCTION	
Scales	1:1500	Current Issue Signatures
Original Size	A1	Drawn RD
Height Datum	AHD	Designed
Grid		Checked
Filename		Approved

Project	SICEP DARLING HARBOUR PROJECT PRECINCT
Title	SUMMARY OF CLOSED CONDUIT INSPECTION REPORT

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Hyder		
Drawing No.	Project No.	Issue
SKC264	AA004399	P1