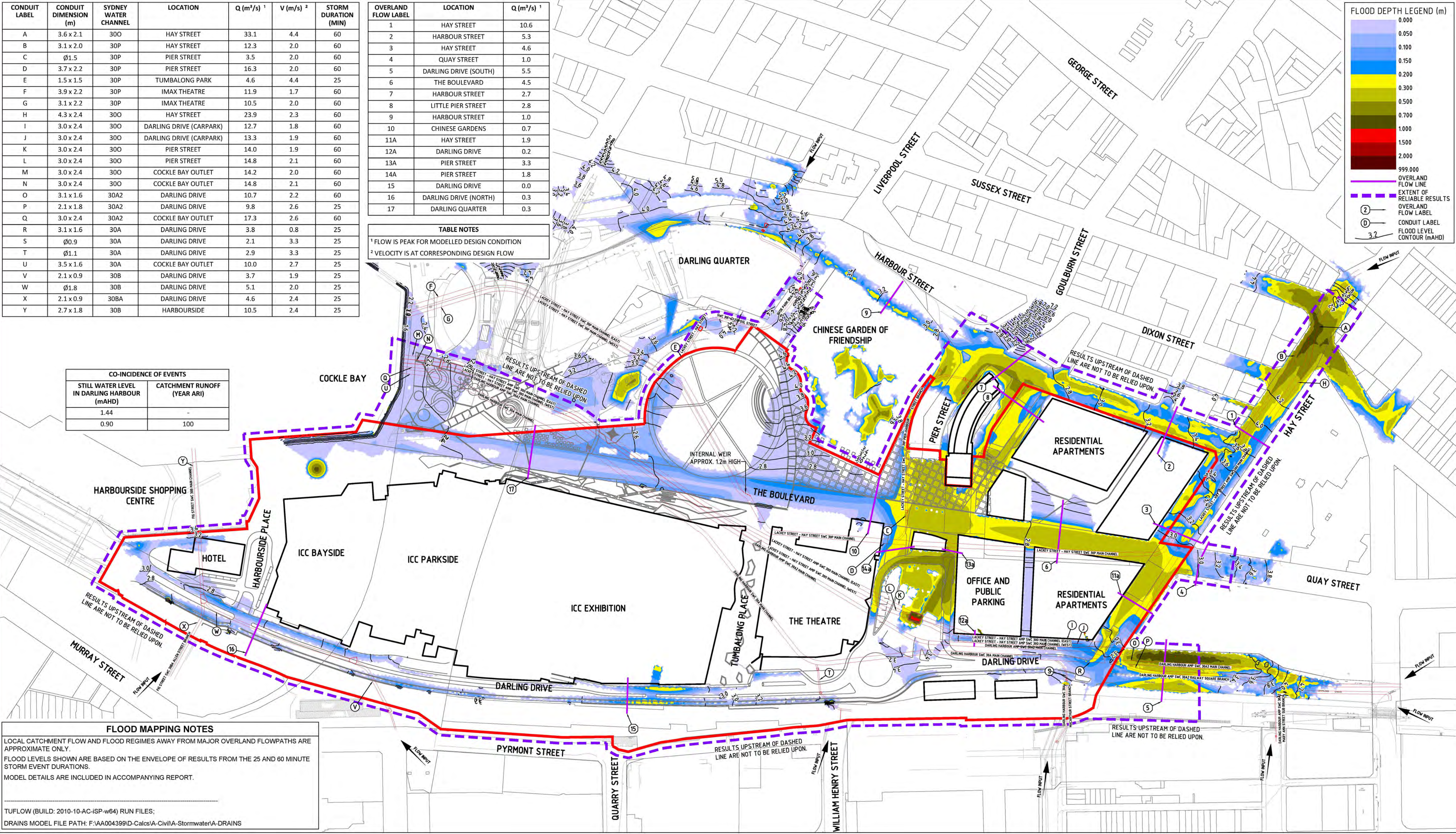
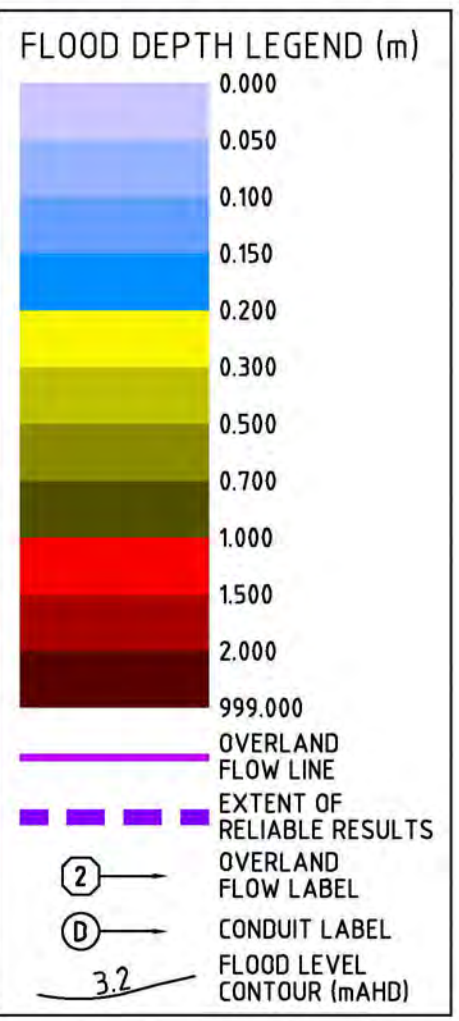


| CONDUIT LABEL | CONDUIT DIMENSION (m) | SYDNEY WATER CHANNEL | LOCATION                | Q (m³/s) ¹ | V (m/s) ² | STORM DURATION (MIN) |
|---------------|-----------------------|----------------------|-------------------------|------------|-----------|----------------------|
| A             | 3.6 x 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        |

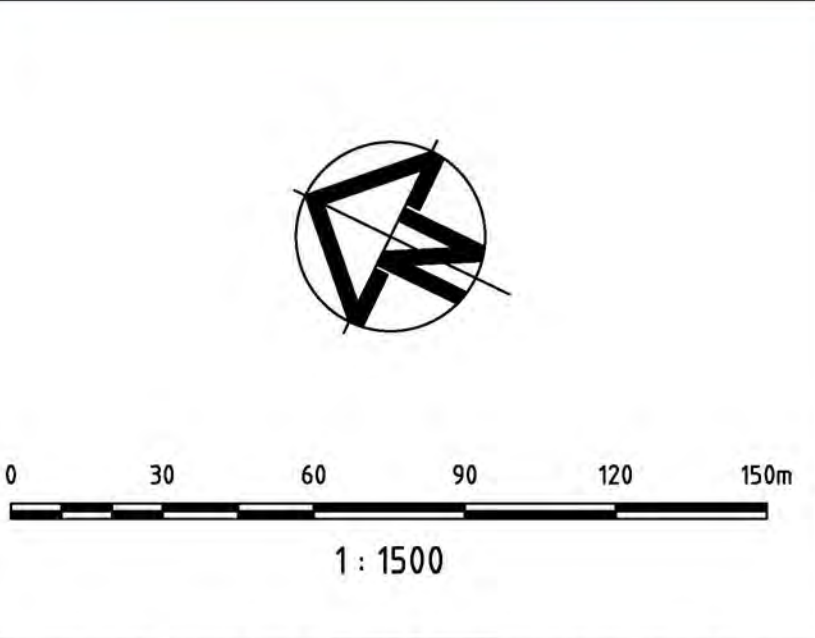
| TABLE NOTES                                  |
|----------------------------------------------|
| ¹ FLOW IS PEAK FOR MODELLED DESIGN CONDITION |
| ² VELOCITY IS AT CORRESPONDING DESIGN FLOW   |



| CO-INCIDENCE OF EVENTS                            |                                |
|---------------------------------------------------|--------------------------------|
| STILL WATER LEVEL<br>IN DARLING HARBOUR<br>(mAHD) | CATCHMENT RUNOFF<br>(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:
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  - ALL COORDINATES TO MGA. ALL LEVELS TO AHD.
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PROJECT

**SICEEP  
DARLING HARBOUR  
PROJECT PRECINCT**

DRAWING TITLE

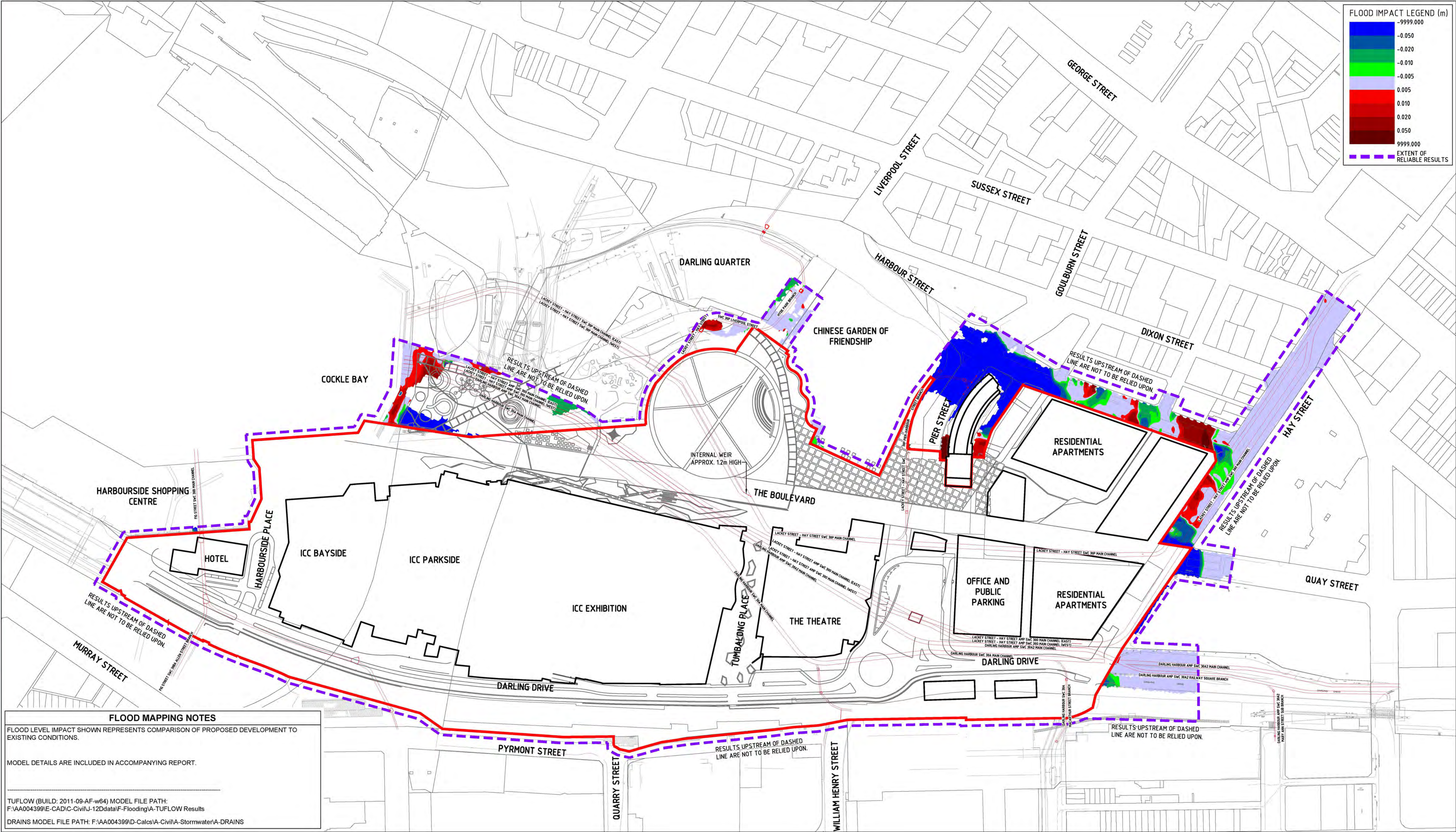
100 YEAR ARI PROPOSED DEVELOPMENT  
FLOOD DEPTH AND LEVEL CONTOURS  
WITHOUT CULVERT AMPLIFICATION

STATUS

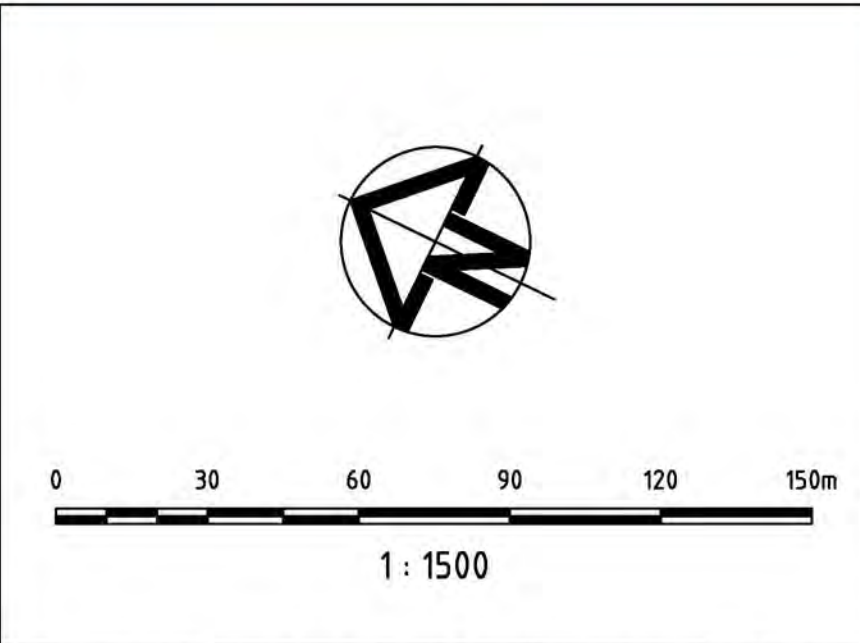
PRELIMINARY ONLY

| 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:**
1. ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.
  2. ALL COORDINATES TO MGA. ALL LEVELS TO AHD.
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  4. PRECINCT BOUNDARIES ARE INDICATIVE ONLY AND ARE SUBJECT TO CHANGE.

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PROJECT  
**SICEEP  
DARLING HARBOUR  
PROJECT PRECINCT**

DRAWING TITLE  
**100 YEAR ARI PROPOSED DEVELOPMENT  
FLOOD LEVEL IMPACT  
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-0602     | 01       |          |          |



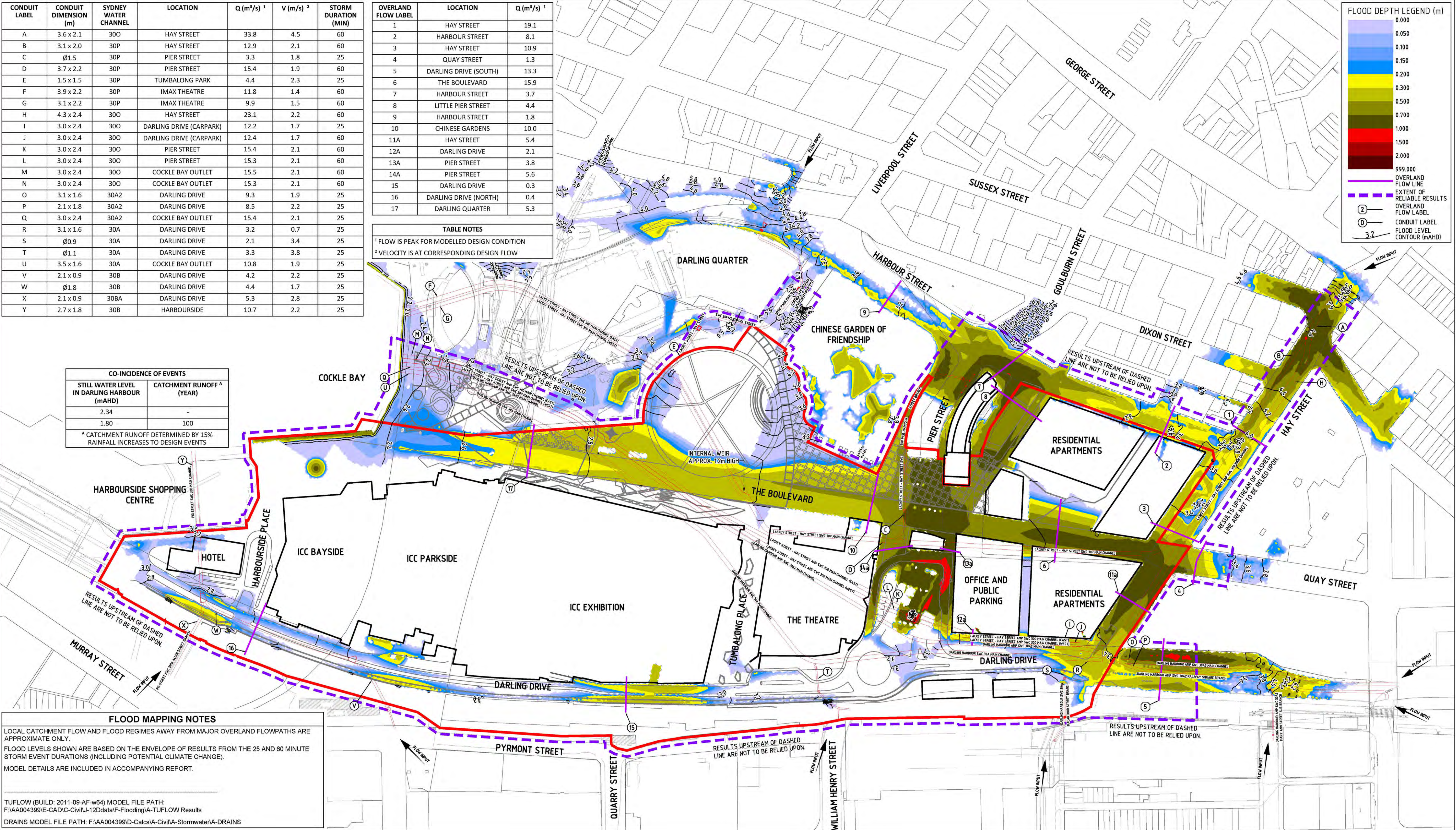




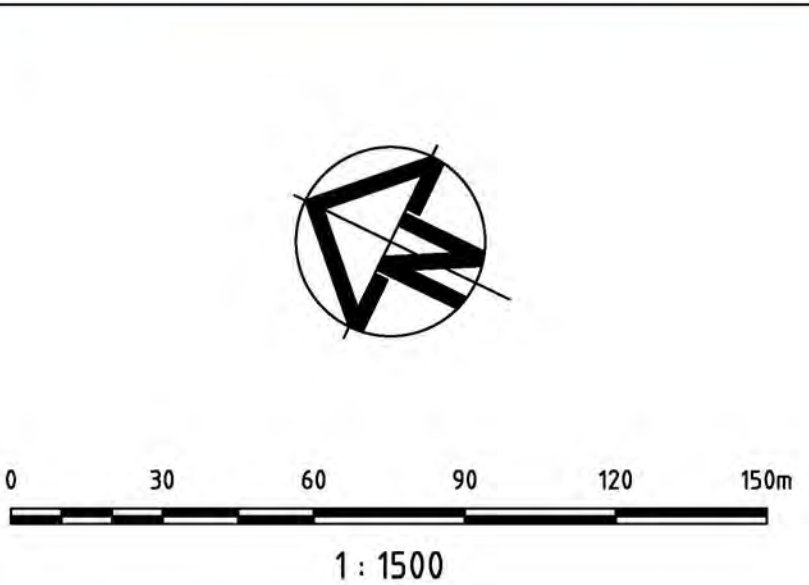
| CONDUIT LABEL | CONDUIT DIMENSION (m) | SYDNEY WATER CHANNEL | LOCATION                | Q (m³/s) ¹ | V (m/s) ² | STORM DURATION (MIN) |
|---------------|-----------------------|----------------------|-------------------------|------------|-----------|----------------------|
| A             | 3.6 x 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   |  |  |



DARLING HARBOUR LIVE



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PROJECT

**SICEEP  
DARLING HARBOUR  
PROJECT PRECINCT**

DRAWING TITLE

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

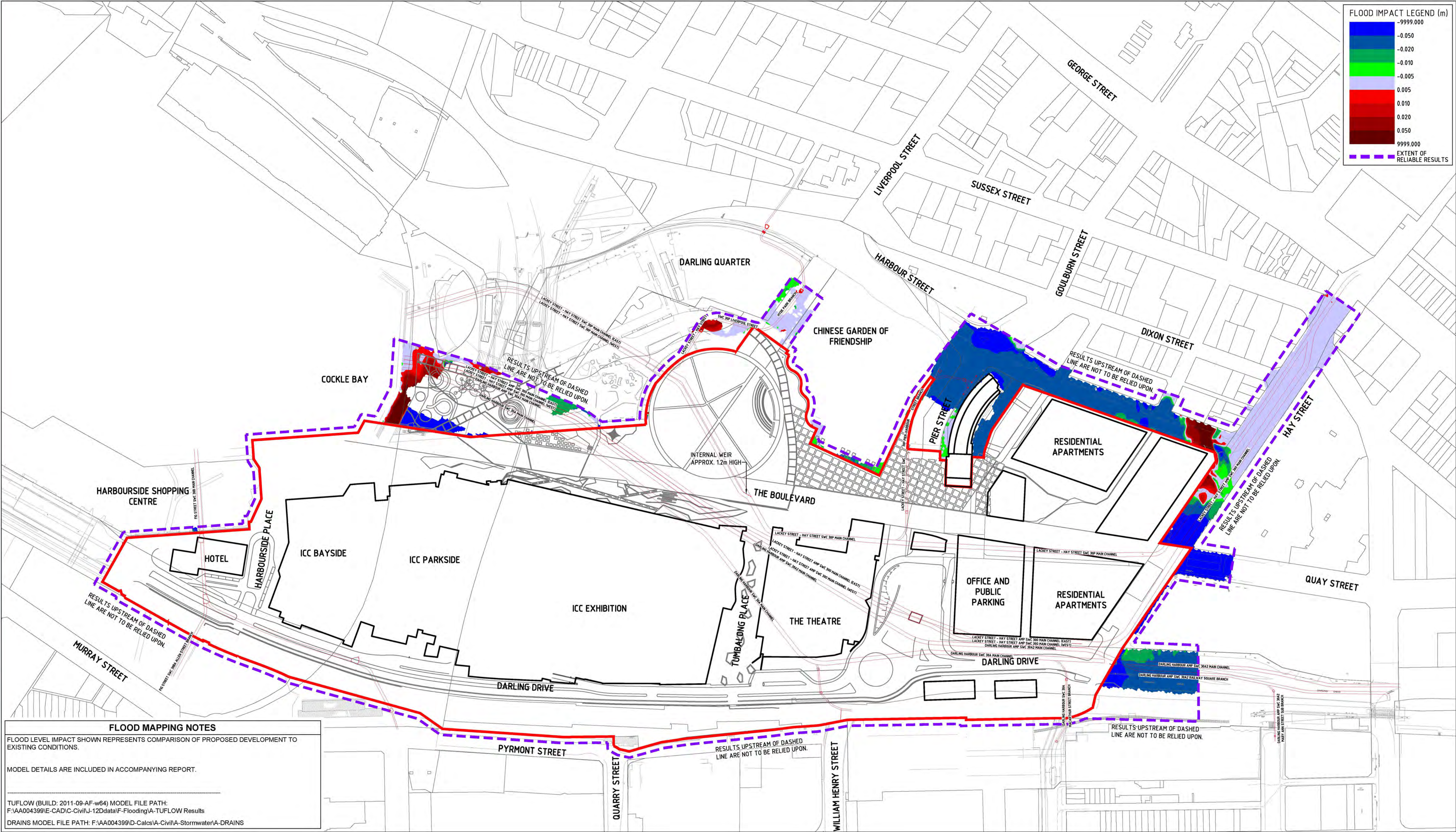
STATUS

**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:  
F:\AA004399\I-E-CAD\I-Civil\J-12D\data\F-Flooding\A-TUFLOW Results

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

DARLING HARBOUR LIVE

0 30 60 90 120 150m

1 : 1500

**NOTES:**

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**100 YEAR ARI PROPOSED DEVELOPMENT  
FLOOD LEVEL IMPACT  
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-0612     | 01  |