CONDUIT LABEL	CONDUIT DIMENSION (m)	SYDNEY WATER CHANNEL	LOCATION	Q (m^3/s) [1]	V (m/s) [2]	STORM DURATION (MIN)
A	3.6 x 2.1	30O	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	3.7	2.1	60
D	3.7 x 2.2	30P	PIER STREET	16.4	2.0	60
E	1.5 x 1.5	30P	TUMBALONG PARK	4.4	4.6	25
F	3.9 x 2.2	30P	IMAX THEATRE	12.0	1.8	60
G	3.1 x 2.2	30P	IMAX THEATRE	10.4	2.0	60
H	4.3 x 2.4	30O	HAY STREET	23.9	2.3	60
I	3.0 x 2.4	30O	DARLING DRIVE (CARPARK)	13.0	1.8	60
J	3.0 x 2.4	30O	DARLING DRIVE (CARPARK)	13.5	1.9	60
K	3.0 x 2.4	30O	PIER STREET	13.6	1.9	60
L	3.0 x 2.4	30O	PIER STREET	14.0	2.0	60
M	3.0 x 2.4	30O	COCKLE BAY OUTLET	13.8	2.0	60
N	3.0 x 2.4	30O	COCKLE BAY OUTLET	14.0	2.0	60
O	3.1 x 1.6	30A2	DARLING DRIVE	10.7	2.2	25
P	2.1 x 1.8	30A2	DARLING DRIVE	9.8	2.6	25
Q	3.0 x 2.4	30A2	COCKLE BAY OUTLET	17.1	2.6	25
R	3.1 x 1.6	30A	DARLING DRIVE	3.7	0.8	25
S	Ø0.9	30A	DARLING DRIVE	2.1	3.3	25
T	Ø1.1	30A	DARLING DRIVE	2.9	3.4	25
U	3.5 x 1.6	30A	COCKLE BAY OUTLET	9.6	2.8	60
V	2.1 x 0.9	30B	DARLING DRIVE	3.7	1.9	25
W	Ø1.8	30B	DARLING DRIVE	4.6	1.8	25
X	2.1 x 0.9	30BA	DARLING DRIVE	4.7	2.5	25
Y	2.7 x 1.8	30B	HARBOURSIDE	10.5	2.4	25

OVERLAND FLOW LABEL	LOCATION	Q (m^3/s) [1]
1	HAY STREET	10.6
2	HARBOUR STREET	5.0
3	HAY STREET	4.9
4	QUAY STREET	1.0
5	DARLING DRIVE (SOUTH)	5.5
6	BETWEEN EC AND CAR PARK/THE BOULEVARD	2.1
7	HARBOUR STREET	3.4
8	LITTLE PIER STREET	1.7
9	HARBOUR STREET	1.0
10	CHINESE GARDENS	0.1
11	EC CAR PARK FLOW PATH	2.6
12	EC CAR PARK FLOW PATH	2.2
13	PIER STREET	1.9
14	PIER STREET	2.2
15	DARLING DRIVE	0.2
16	DARLING DRIVE (NORTH)	0.0
17	DARLING QUARTER	0.1

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 DEPTH LEGEND (m)

0.000
0.050
0.100
0.150
0.200
0.300
0.500
0.700
1.000
1.500
2.000
999.000

OVERLAND FLOW LINE
EXTENT OF RELIABLE RESULTS
OVERLAND FLOW LABEL
CONDUIT LABEL
FLOOD LEVEL CONTOUR (mAHD)

GEORGE STREET
LIVERPOOL STREET
SUSSEX STREET
GOULBURN STREET
HARBOUR STREET
DIXON STREET
HAY STREET
PIER STREET
QUAY STREET
DARLING QUARTER
CHINESE GARDEN OF FRIENDSHIP
TUMBALONG GREEN
INTERNAL WEIR APPROX. 1.2m HIGH
COCKLE BAY
HARBOURSIDE SHOPPING CENTRE
EXISTING CONVENTION CENTRE
EXISTING EXHIBITION CENTRE
EXISTING ENTERTAINMENT CENTRE
EXISTING CARPARK
DARLING DRIVE
MURRAY STREET
PYRMONT STREET
QUARRY STREET
WILLIAM HENRY STREET
RESULTS UPSTREAM OF DASHED LINE ARE NOT TO BE RELIED UPON.
FLOW INPUT

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.

EXISTING FLOOD RESULTS ARE ONLY REPRESENTATIVE OF THE DESIGN CONDITIONS IN ORDER TO ASSESS POTENTIAL DEVELOPMENT IMPACT. IN PARTICULAR, ALL OPEN STYLE GATES AND FENCES ACROSS OVERLAND FLOW PATHS ARE ASSUMED AS 0% BLOCKAGE.

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

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

SYDNEY INTERNATIONAL CONVENTION, EXHIBITION AND ENTERTAINMENT PRECINCT

DARLING HARBOUR LIVE

0 30 60 90 120 150m

1 : 1500

NOTES:

1. ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.
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.

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

CLIENT

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PROJECT

SICEEP
DARLING HARBOUR
PROJECT PRECINCT

DRAWING TITLE

100 YEAR ARI
EXISTING CONDITIONS
FLOOD DEPTH AND LEVEL CONTOURS

STATUS

PRELIMINARY ONLY

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

PROJECT NUMBER	DRAWING NUMBER	REV
AA004399	WP-FL-0103	01

Date Plotted: 11 Mar 2013 - 04:35PM File Name: F:\AA004399\D-Calcs\A-Civil\A-Stormwater\G-REPORT FIGURES\D-Final\WP-FL-0103-100YrARIExistingConditionsFloodDepthAndLevelContours.dwg

Original Sheet Size A1 - 841 x 594mm

CONDUIT LABEL	CONDUIT DIMENSION (m)	SYDNEY WATER CHANNEL	LOCATION	Q (m^3/s) [1]	V (m/s) [2]	STORM DURATION (MIN)
A	3.6 x 2.1	30O	HAY STREET	38.5	5.1	15
B	3.1 x 2.0	30P	HAY STREET	14.9	2.5	45
C	Ø1.5	30P	PIER STREET	5.2	2.9	15
D	3.7 x 2.2	30P	PIER STREET	24.9	3.0	45
E	1.5 x 1.5	30P	TUMBALONG PARK	5.4	2.8	45
F	3.9 x 2.2	30P	IMAX THEATRE	19.4	2.5	45
G	3.1 x 2.2	30P	IMAX THEATRE	15.7	2.5	45
H	4.3 x 2.4	30O	HAY STREET	25.5	2.5	15
I	3.0 x 2.4	30O	DARLING DRIVE (CARPARK)	14.0	1.9	15
J	3.0 x 2.4	30O	DARLING DRIVE (CARPARK)	14.2	2.0	15
K	3.0 x 2.4	30O	PIER STREET	23.0	3.2	45
L	3.0 x 2.4	30O	PIER STREET	23.3	3.2	45
M	3.0 x 2.4	30O	COCKLE BAY OUTLET	23.7	3.3	45
N	3.0 x 2.4	30O	COCKLE BAY OUTLET	23.3	3.2	45
O	3.1 x 1.6	30A2	DARLING DRIVE	12.1	2.5	15
P	2.1 x 1.8	30A2	DARLING DRIVE	10.9	2.9	15
Q	3.0 x 2.4	30A2	COCKLE BAY OUTLET	20.5	2.9	15
R	3.1 x 1.6	30A	DARLING DRIVE	2.4	0.5	15
S	Ø0.9	30A	DARLING DRIVE	3.1	4.8	15
T	Ø1.1	30A	DARLING DRIVE	4.8	5.6	15
U	3.5 x 1.6	30A	COCKLE BAY OUTLET	16.2	3.4	45
V	2.1 x 0.9	30B	DARLING DRIVE	9.9	7.1	15
W	Ø1.8	30B	DARLING DRIVE	8.1	3.2	15
X	2.1 x 0.9	30BA	DARLING DRIVE	6.3	3.3	15
Y	2.7 x 1.8	30B	HARBOURSIDE	19.7	6.8	45

OVERLAND FLOW LABEL	LOCATION	Q (m^3/s) [1]
1	HAY STREET	102
2	HARBOUR STREET	35
3	HAY STREET	73
4	QUAY STREET	4
5	DARLING DRIVE (SOUTH)	60
6	BETWEEN EC AND CAR PARK/THE BOULEVARD	42
7	HARBOUR STREET	35
8	LITTLE PIER STREET	22
9	HARBOUR STREET	9
10	CHINESE GARDENS	105
11	EC CAR PARK FLOW PATH	23
12	EC CAR PARK FLOW PATH	23
13	PIER STREET	15
14	PIER STREET	25
15	DARLING DRIVE	20
16	DARLING DRIVE (NORTH)	19
17	DARLING QUARTER	65

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
1.8	-
1.3	PMF

FLOOD DEPTH LEGEND (m)

0.000
0.050
0.100
0.150
0.200
0.300
0.500
0.700
1.000
1.500
2.000
999.000

OVERLAND FLOW LINE
EXTENT OF RELIABLE RESULTS
OVERLAND FLOW LABEL
CONDUIT LABEL
FLOOD LEVEL CONTOUR (mAHD)

GEORGE STREET
LIVERPOOL STREET
SUSSEX STREET
GOULBURN STREET
HARBOUR STREET
DIXON STREET
HAY STREET
PIER STREET
QUAY STREET
DARLING QUARTER
CHINESE GARDEN OF FRIENDSHIP
COCKLE BAY
TUMBALONG GREEN
INTERNAL WEIR APPROX. 1.2m HIGH
HARBOURSIDE SHOPPING CENTRE
EXISTING CONVENTION CENTRE
EXISTING EXHIBITION CENTRE
EXISTING ENTERTAINMENT CENTRE
EXISTING CARPARK
DARLING DRIVE
MURRAY STREET
PYRMONT STREET
QUARRY STREET
WILLIAM HENRY STREET
RESULTS UPSTREAM OF DASHED LINE ARE NOT TO BE RELIED UPON.
FLOW INPUT

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 PMP 15, 30 AND 45 MINUTE DURATION STORM EVENTS.

MODEL DETAILS ARE INCLUDED IN ACCOMPANYING REPORT.

EXISTING FLOOD RESULTS ARE ONLY REPRESENTATIVE OF THE DESIGN CONDITIONS IN ORDER TO ASSESS POTENTIAL DEVELOPMENT IMPACT. IN PARTICULAR, ALL OPEN STYLE GATES AND FENCES ACROSS OVERLAND FLOW PATHS ARE ASSUMED AS 0% BLOCKAGE.

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

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

SYDNEY INTERNATIONAL CONVENTION, EXHIBITION AND ENTERTAINMENT PRECINCT

DARLING HARBOUR LIVE

0 30 60 90 120 150m

1 : 1500

NOTES:

1. ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.
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.

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

CLIENT

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PROJECT

SICEEP
DARLING HARBOUR
PROJECT PRECINCT

DRAWING TITLE

PMF
EXISTING CONDITIONS
FLOOD DEPTH AND LEVEL CONTOURS

STATUS

PRELIMINARY ONLY

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

PROJECT NUMBER	DRAWING NUMBER	REV
AA004399	WP-FL-0104	01

Date Plotted: 11 Mar 2013 - 04:37PM File Name: F:\AA004399\D-Calcs\A-Civil\A-Stormwater\G-REPORT FIGURES\D-Final\WP-FL-0104-PMFExistingConditionsFloodDepthAndLevelContours.dwg

Original Sheet Size A1 - 841 x 594mm

SYDNEY INTERNATIONAL CONVENTION, EXHIBITION AND ENTERTAINMENT PRECINCT

CONDUIT LABEL	CONDUIT DIMENSION (m)	SYDNEY WATER CHANNEL	LOCATION	Q (m^3/s) [1]	V (m/s) [2]	STORM DURATION (MIN)
A	3.6 x 2.1	30O	HAY STREET	28.8	3.8	60
B	3.1 x 2.0	30P	HAY STREET	10.3	1.7	60
C	Ø1.5	30P	PIER STREET	1.8	1.0	25
D	3.7 x 2.2	30P	PIER STREET	11.8	1.4	60
E	1.5 x 1.5	30P	TUMBALONG PARK	4.3	2.2	25
F	3.9 x 2.2	30P	IMAX THEATRE	9.0	1.1	60
G	3.1 x 2.2	30P	IMAX THEATRE	7.6	1.1	60
H	4.3 x 2.4	30O	HAY STREET	19.2	1.9	60
I	3.0 x 2.4	30O	DARLING DRIVE (CARPARK)	10.0	1.4	60
J	3.0 x 2.4	30O	DARLING DRIVE (CARPARK)	10.2	1.4	60
K	3.0 x 2.4	30O	PIER STREET	10.0	1.4	60
L	3.0 x 2.4	30O	PIER STREET	10.0	1.4	60
M	3.0 x 2.4	30O	COCKLE BAY OUTLET	10.1	1.4	60
N	3.0 x 2.4	30O	COCKLE BAY OUTLET	10.0	1.4	60
O	3.1 x 1.6	30A2	DARLING DRIVE	8.7	1.8	25
P	2.1 x 1.8	30A2	DARLING DRIVE	8.0	2.1	25
Q	3.0 x 2.4	30A2	COCKLE BAY OUTLET	13.8	1.9	25
R	3.1 x 1.6	30A	DARLING DRIVE	3.1	0.6	25
S	Ø0.9	30A	DARLING DRIVE	1.6	2.5	25
T	Ø1.1	30A	DARLING DRIVE	2.1	2.4	25
U	3.5 x 1.6	30A	COCKLE BAY OUTLET	7.8	1.4	25
V	2.1 x 0.9	30B	DARLING DRIVE	2.7	1.4	25
W	Ø1.8	30B	DARLING DRIVE	3.6	1.4	25
X	2.1 x 0.9	30BA	DARLING DRIVE	3.4	1.8	25
Y	2.7 x 1.8	30B	HARBOURSIDE	7.8	1.6	25

OVERLAND FLOW LABEL	LOCATION	Q (m^3/s) [1]
1	HAY STREET	0.0
2	HARBOUR STREET	0.1
3	HAY STREET	0.0
4	QUAY STREET	0.7
5	DARLING DRIVE (SOUTH)	1.2
6	BETWEEN EC AND CAR PARK/THE BOULEVARD	0.2
7	HARBOUR STREET	0.3
8	LITTLE PIER STREET	0.1
9	HARBOUR STREET	0.0
10	CHINESE GARDENS	0.0
11	EC CAR PARK FLOW PATH	0.3
12	EC CAR PARK FLOW PATH	0.0
13	PIER STREET	0.0
14	PIER STREET	0.0
15	DARLING DRIVE	0.2
16	DARLING DRIVE (NORTH)	0.0
17	DARLING QUARTER	0.0

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 [A] (YEAR)
2.22	-
1.80	5
[A] 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.

EXISTING FLOOD RESULTS ARE ONLY REPRESENTATIVE OF THE DESIGN CONDITIONS IN ORDER TO ASSESS POTENTIAL DEVELOPMENT IMPACT. IN PARTICULAR, ALL OPEN STYLE GATES AND FENCES ACROSS OVERLAND FLOW PATHS ARE ASSUMED AS 0% BLOCKAGE.

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

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:

1. ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.
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.

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

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PROJECT

SICEEP
DARLING HARBOUR
PROJECT PRECINCT

DRAWING TITLE

5 YEAR ARI EXISTING CONDITIONS FLOOD DEPTH AND LEVEL CONTOURS 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-0111	01

Date Plotted: 11 Mar 2013 - 04:38PM File Name: F:\AA004399\D-Calcs\A-Civil\A-Stormwater\G-REPORT FIGURES\D-Final\WP-FL-0111-5YrARIExistingConditionsFloodDepthAndLevelContoursIncludingPotentialClimateChange.dwg

Original Sheet Size A1 - 841 x 594mm