STORMWATER PRE DEVELOPMENT INFLOW DATA "DRAINS"

PIT / NODE DETAILS			Version 9										
Name	Type	Family	Size	Ponding Volume (cu.m)	Pressure Change Coeff. Ku	Surface Elev (m)	Max Pond Depth (m)	Base Inflow (cu.m/s)	Blocking Factor	x	y	Bolt-down lid	id
N SWPred	Node					5		0		246.667	-125		1
N NWPred	Node					10		0		666.548	-111.153		2
DETENTION BASIN DETAILS													
Name	Elev	Surf. Area	Init Vol. (c	Outlet Typ	K	Dia(mm)	Centre RL	Pit Family	Pit Type	x	y	HED	Crest RL
SUB-CATCHMENT DETAILS													
Name	Pit or Node	Total Area (ha)	Paved Area %	Grass Area %	Supp Area %	Paved Time (min)	Grass Time (min)	Supp Time (min)	Paved Length (m)	Grass Length (m)	Supp Length (m)	Paved Slope(%) %	Grass Slope %
Southwes	N SWPred	10.23	0	100	0	0	0	0	0	500	0	0	5
Northwes	N NWPred	10.46	0	100	0	0	0	0	0	350	0	0	4.5

STORMWATER PRE DEVELOPMENT OUTPUTS

DRAINS results prepared 08 July, 2010 from Version 2009.09				
PIT / NODE DETAILS				Version 8
Name	Max HGL	Max Pond HGL	Max Surface Flow Arriving (cu.m/s)	Max Pond Volume (cu.m)
SUB-CATCHMENT DETAILS				
Name	Max Flow Q (cu.m/s)	Paved Max Q (cu.m/s)	Grassed Max Q (cu.m/s)	Paved Tc (min)
Southwestern Pre-dev	3.206	0	3.206	0
Northwestern Pre-dev	3.708	0	3.708	0
Outflow Volumes for Total Catchment (0.00 impervious + 20.7 pervious = 20.7 total ha)				
Storm	Total Rainfall cu.m	Total Runoff cu.m (Runoff %)	Impervious Runoff cu.m (Runoff %)	Pervious Runoff cu.m (Runoff %)
AR&R 100 year, 10 minutes storm, Coastal Region	8034.62	5046.82 (62.8%)	0.00 (0.0%)	5046.82 (62.8%)
AR&R 100 year, 20 minutes storm, Coastal Region	12207.1	8646.88 (70.8%)	0.00 (0.0%)	8646.88 (70.8%)
AR&R 100 year, 30 minutes storm, Coastal Region	15310.6	11200.31 (73.2%)	0.00 (0.0%)	11200.31 (73.2%)
AR&R 100 year, 1 hour storm, Coastal Region	21931.4	16759.83 (76.4%)	0.00 (0.0%)	16759.83 (76.4%)
AR&R 100 year, 2 hours storm, Coastal Region	27724.6	21030.85 (75.9%)	0.00 (0.0%)	21030.85 (75.9%)

CAUTION

This plan has been prepared for the purpose of a concept plan application. The information shown herein is only reliable for the above purpose. It should not therefore be used for any other purpose without verification.

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REV.	DATE	DESCRIPTION
A	06.07.2010	ISSUED FOR INFORMATION
B	07.07.2010	ISSUED FOR EA
C	14.10.2010	ISSUED FOR EA

DATUM: AHD SCALE: NOT TO SCALE

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PROJECT NO:	4898
DA NO.:	
DESIGNED BY:	ES/MT
DRAWN BY:	MW
CHECKED BY:	PJR
DATE CREATED:	FEB 2010

DRAWING TITLE: EXHIBIT 08E: WESTERN CATCHMENTS
DRAINS MODEL PRE DEVELOPMENT INPUT & OUTPUTS

PROJECT: LOT 1 DP 374315 & LOT 4 DP615261
OCEAN DRIVE, PORT MACQUARIE

CLIENT: MILLAND PTY LTD & SEAWIDE PTY LTD

DRAWING NO:	SHEET:	REVISION:
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