

KEY

- SITE BOUNDARY
ACCESS POINT
SURFACE LEVEL
FINISHED FLOOR LEVEL
IN GROUND STORMWATER PIPE (BELOW FINISHED BASEMENT LEVEL)
IN GROUND STORMWATER PIPE (EXTERNAL TO BUILDING - NOT AT BASEMENT LEVEL SHOWN)
BASEMENT SLUNG STORMWATER PIPE (UNDER SLAB)
BASEMENT SLUNG STORMWATER PIPE (ATTACHED TO ROOF ABOVE)
STORMWATER PIT
BASEMENT DOWNPIPE
DOWNPIPE FROM ROOF
GRADED TRENCH DRAIN
NON-POTABLE WATER RISING MAIN (FROM TANK TO UNITS)
RAINWATER PIPE (FROM ROOF DRAINAGE)
PROPOSED BIODEGRADATION SWALE
CORE RIPARIAN ZONE

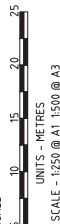
RAINWATER RE-USE

1. PROVIDE RAINWATER RE-USE SYSTEM TO SUPPLY WATER FOR TOILET FLUSHING.
2. GUTTER GUARDS TO BE INSTALLED ON ALL EAVES GUTTERS.
3. PRESSURE PUMP SET TO BE PROVIDED IN RAINWATER TANK TO SUPPLY WATER TO UNITS.
4. A PERMANENT AND PROMINENT SIGN IS TO BE LOCATED IN THE VICINITY OF THE RAINWATER TANK STATING THAT THE WATER IS NOT FOR POTABLE USE.
5. ALL RAINWATER SERVICES SHALL BE CLEARLY LABELLED "NON-POTABLE WATER" WITH APPROPRIATE HAZARD IDENTIFICATION TO AUSTRALIAN STANDARDS.
6. PIPEWORK USED FOR RAINWATER SERVICES SHALL BE COLOURED LILAC IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1945.
7. ALL VALVES AND APERTURES SHALL BE CLEARLY AND PERMANENTLY LABELLED WITH SAFETY SIGNS TO COMPLY WITH AS1919.
8. AN AIR GAP OR RPZD TO BE INSTALLED TO PREVENT BACKFLOW.
9. RAINWATER TANK RETICULATION SYSTEM AND MAINS TOP UP ARRANGEMENT IS TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 3500.12 (2003) AND THE NSW CODE OF PRACTICE: PLUMBING AND DRAINING.
10. A FIRST FLUSH DEVICE (OR DEVICES) IS TO BE PROVIDED UPSLOPE OF THE RAINWATER TANK TO BYPASS THE FIRST 5MM OF RAINWATER FROM CONTRIBUTING ROOF AREAS.

SLUNG DRAINAGE

1. ALL SLUNG / SUSPENDED STORMWATER DRAINAGE WITHIN BASEMENT AREAS TO BE CLASS SHL UPVC PIPE UNO.
2. ALL SLUNG / SUSPENDED STORMWATER DRAINAGE WITHIN BASEMENT AREAS TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 3500.3 (2003) PLUMBING AND DRAINAGE - STORMWATER DRAINAGE.
3. EACH PIPE RUN IS TO BE PROVIDED WITH RIDDING EYES AT EACH END AND AT ANY BENDS TO ALLOW FOR ONGOING MAINTENANCE.
4. THE SLUNG / SUSPENDED STORMWATER DRAINAGE WITHIN BASEMENT AREAS TO BE CO-ORDINATED WITH ALL OTHER SERVICES TO MAXIMISE EASE OF MAINTENANCE.
5. ALL SLUNG / SUSPENDED STORMWATER DRAINAGE WITHIN BASEMENT AREAS TO BE LAID AT A FALL OF 1:100 MINIMUM.

PAGE BAR SCALE



MARTENS & ASSOCIATES PTY LTD
Sustainable Solutions
Environmental - Geotechnical - Civil
Hydraulic - Wastewater Engineers

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CLIENT PROJECT
MACKENZIE ARCHITECTS /
PACIFIC HWY TURRAMURRA

TITLE
CONCEPT STORMWATER MANAGEMENT AND SEDIMENT EROSION CONTROL PLAN SET
STORMWATER LAYOUT BUILDING LEVEL 179.41

PROJECT MANAGER:
GRAY TAYLOR
DRAWING NUMBER:
P1002932.008/02

DESIGNED:
MMD
DRAWN:
MMD
REVIEWED:
GT

DATE:
M.D.
HORIZONTAL RATIO:
1:250 @ A1
1:500 @ A3
VERTICAL RATIO:
1:250 @ A1
1:500 @ A3

SHEET
10
OF 24
SHEETS
PAPER SIZE:
A1 / A3

REV.
1
2
DESCRIPTION
DRAFT PLAN SET
REVISED LAYOUT - AUGUST 2012

DATE
26.10.2011
28.08.2012
ISSUED
GT
GT

NOTE: ALL STRUCTURES AND ALIGNMENTS TO BE CONFIRMED AT DETAILED DESIGN STAGE OF DEVELOPMENT.

KEY

SITE BOUNDARY

ACCESS POINT

SL = 180.0 SURFACE LEVEL

FFL 161.82 FINISHED FLOOR LEVEL

IN GROUND STORMWATER PIPE (BELOW FINISHED BASEMENT LEVEL)

IN GROUND STORMWATER PIPE (EXTERNAL TO BUILDING - NOT AT BASEMENT LEVEL SHOWN)

BASEMENT SLUNG STORMWATER PIPE (UNDER SLAB)

BASEMENT SLUNG STORMWATER PIPE (ATTACHED TO ROOF ABOVE)

STORMWATER PIT

BDPS BASEMENT DOWNPIPE

DP5 DOWNPIPE FROM ROOF

GRATED TRENCH DRAIN

NON-POTABLE WATER RISING MAIN (FROM TANK TO UNITS)

RAINWATER PIPE (FROM ROOF DRAINAGE)

PROPOSED BIOREMEDIATION SWALE

CORE RIPARIAN ZONE

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6. PIPEWORK USED FOR RAINWATER SERVICES SHALL BE COLOURED LILAC IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1345.
7. ALL VALVES AND APERTURES SHALL BE CLEARLY AND PERMANENTLY LABELLED WITH SAFETY SIGNS TO COMPLY WITH AS1319.
8. AN AIR GAP OR A RP2D TO BE INSTALLED TO PREVENT BACKFLOW.
9. RAINWATER TANK RETICULATION SYSTEM AND MAINS TOP UP ARRANGEMENT IS TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 3500.12 (2003) AND THE NSW CODE OF PRACTICE: PLUMBING AND DRAINING.
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PAGE BAR SCALE

0 5 10 15 20 25

UNITS - METRES

SCALE - 1:250 @ A1 1:500 @ A3

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MARTENS & ASSOCIATES PTY LTD
Sustainable Solutions
Environmental - Geotechnical - Civil
Hydraulic - Wastewater Engineers

CLIENT/PROJECT
MACKENZIE ARCHITECTS /
PACIFIC HWY TURRAMURRA

THIS PLAN MUST NOT BE USED FOR CONSTRUCTION UNLESS
SIGNED AS APPROVED BY PRINCIPAL CERTIFYING AUTHORITY
AT TURRAMURRA 11/01/2012 GRAY TAYLOR

PROJECT MANAGER:
GRAY TAYLOR
DRAWING NUMBER:
P1002932.008/02

TITLE
CONCEPT STORMWATER MANAGEMENT AND SEDIMENT EROSION CONTROL PLAN SET
STORMWATER LAYOUT BUILDING LEVEL 182.4.1

DESIGNED:	DRAWN:	REVIEWED:	GT
MMD	MMD	GT	

DATUM:	SHEET	REVISION	DESCRIPTION	DATE	ISSUED
M.S.L.	11	1	DRAFT PLAN SET	26.10.2011	GT
HORIZONTAL RATIO:	OF 24	2	REVISED LAYOUT - AUGUST 2012	28.08.2012	GT
VERTICAL RATIO:					
1:250 @ A1					
1:500 @ A3					
1:500 @ A3					
PAPER SIZE:					
A1 / A3					

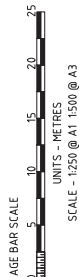
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TITLE
CONCEPT STORMWATER MANAGEMENT AND SEDIMENT EROSION CONTROL PLAN SET
STORMWATER LAYOUT BUILDING LEVEL 185.41

PROJECT MANAGER:
GRAY TAYLOR

DRAWING NUMBER:
P1002932.008/002

REV.	DESCRIPTION	SHEET	DATE	ISSUED
1	DRAFT PLAN SET	12	26.10.2010	GT
2	REVISED LAYOUT - AUGUST 2012	OF 24 SHEETS	28.08.2012	GT
		VERTICAL RATIO: 1:500 @ A1 1:500 @ A3	PAPER SIZE: A1 / A3	

NOTE: ALL STRUCTURES AND ALIGNMENTS TO BE CONFIRMED AT DETAILED DESIGN STAGE OF DEVELOPMENT.