

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

BDP5 BASEMENT DOWNPIPE

BDP5 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

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 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 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 5N4 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 RODDING EYES AT EACH END AND AT 90° 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

0 5 10 15 20 25

UNITS - METRES

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

MARTENS & ASSOCIATES PTY LTD
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Hydraulic - Wastewater Engineers

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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 OFFICE OF THE PRINCIPAL

PROJECT MANAGER:
GRAY TAYLOR

DRAWING NUMBER:
P1002932.008/002

TITLE
CONCEPT STORMWATER MANAGEMENT AND SEDIMENT EROSION CONTROL PLAN SET
STORMWATER LAYOUT BUILDING LEVEL 170.4.1

DESIGNED:

MMD

DRAWN:

MMD

REVIEWED:

GT

DATE:

M.D.

HORIZONTAL RATIO:

1:250 @ A1

1:500 @ A3

1:500 @ A3

SHEET

7

OF 24

SHEETS

PAPER SIZE:

A1 / A3

REVISION

1

2

DESCRIPTION

DRAFT PLAN SET

REVISED LAYOUT - AUGUST 2012

DATE

26.10.2011

28.08.2012

ISSUED

GT

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

KEY

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FFL 161.82 FINISHED FLOOR LEVEL

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STORMWATER PIT
BDP5 BASEMENT DOWNPIPE
DPS DOWNPIPE FROM ROOF
GRADED TRENCH DRAIN
NON-POTABLE WATER RISING MAIN (FROM TANK TO UNITS)
RAINWATER PIPE (FROM ROOF DRAINAGE)
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CORE RIPARIAN ZONE

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