



PLAN - STORMWATER DRAINAGE

STORMWATER DRAINAGE NOTES:

- This drawing to be read in conjunction with the Architectural drawings, specifications and the remainder of the engineers drawings. Refer any discrepancies to the Architect before proceeding with construction.
- ALL LEVELS SHOWN ON DRAWING ARE TO BE CHECKED ON SITE BEFORE EXCAVATION OF INSTALLATION OF PIPEWORK TO ENSURE CORRECT COVER AND FALL.
- All levels as detailed on Architectural drawing and are to be confirmed on site before the commencement of any work.
- All pipes and discharge have been calculated on the following design parameters:
20 Year Recurrence Interval
6 minute storm duration.
Rainfall Intensity 156 mm/hour
- Number and location of downpipes to be confirmed by builder.
- Pits 1 & 2 to be 600mm square with heavy duty metal grates.
- Do not cover or conceal from view under ground or enclosed work until it has been inspected and approved by council.
- Concrete in pits and elsewhere in the drainage system to have a characteristic compressive strength in accordance with AS3600 of 20MPa.
- Trenches for drain pipes shall be of sufficient width to allow for backfilling firmly around pipes.
- Pipes shall be laid true to grade and alignment on firm, well rammed and compacted foundation.
- Any pipe which is not true alignment or grade or which shows any settlement after laying or which is damaged during laying or the operation of rolling the formation shall be taken up and replaced.
- Pits shall be formed to the depths indicated on the drawings or as necessary to give the required grades and falls to the drainage system. All soft, yielding and unsuitable material shall be removed from under the pits and the bed thoroughly compacted and finished to a firm surface of uniform bearing value.

Existing Impervious Area from driveway and fibro building = 115m²
 New Impervious Area from carpark = 195m²
 Increase in Impervious Area = 80m²

NOTE:

Location of Sydney Water's sewer main, sewer connection lines, water pipes, stormwater drains, underground electricity lines and other services must be obtained prior to commencement of any work on site.
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KNEEBONE, BERETTA & HALL PTY LTD
 CONSULTING STRUCTURAL & CIVIL ENGINEERS
 4 MACQUARIE AVENUE, PENRITH NSW 2750
 PHONE: (02) 4731 9833 FACSIMILE: (02) 4721 5442
 WEBSITE: www.kneeboneandberetta.com
 E-MAIL ADDRESS: kneebone@mc.com.au

Member of:
 CONSULT AUSTRALIA

Director:
 Trevor R. HALL, B.Sc.(Eng), F.I.E. Aust., C.P. Eng.
 Peter R. ANDRESEN, B.E. M.I.E. Aust., C.P. Eng.

A.C.N. 002 419797
 A.B.N. 58 822 442 200

SCALE	1:100
DATE	25-8-15
DRAWN	P. Morfin.
DESIGNED	P. Andresen.
APPROVED	<i>[Signature]</i>

CLIENT: UDL DEVELOPMENTS
 PROPOSED ALTERATIONS AT
 77 LETHBRIDGE STREET, PENRITH
 STORMWATER DRAINAGE DETAILS

DRAWING NUMBER
102236-1
 ISSUE

Issue	Date	App'd	DESCRIPTION

REVISIONS