

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.
- 2. ALL LEVELS SHOWN ON DRAWING ARE TO BE CHECKED ON SITE BEFORE EXCAVATION OF INSTALLATION OF PIPEWORK TO ENSURE CORRECT COVER AND FALL.
- **3.** All levels as detailed on Architectural drawing and are to be confirmed on site before the commencement of any work.
- 4. 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

- 5. Pits 1 & 2 to be 600mm square with heavy duty metal grates.
- 6. Do not cover or conceal from view under ground or enclosed work until it has been inspected and approved by council.
- 7. Concrete in pits and elsewhere in the drainage system to have a characteristic compressive strength in accordance with AS3600 of 20MPa.
- 8. Trenches for drain pipes shall be of sufficient width to allow for backfilling firmly around pipes.
- 9. Pipes shall be laid true to grade and alignment on firm, well rammed and compacted foundation.
- 10. 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.
- 12. Pits shall be formed at 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.

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. DIAL BEFORE YOU DIG 1100

DETAIL	– GEOTI	EXTILE	FILTER
FABRIC	FENCE.	Not to	Scale

CLIENT: AUSTRALIAN ARMS HOTEL	
PROPOSED ADDITIONS AT	DRAWING NUMBER
AUSTRALIAN ARMS HOTEL 351 HIGH STREET, PENRITH	101947—1
CARPARK STORMWATER DRAINAGE DETAILS	ISSUE



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	Sources	Residual Load	% Reduction
Flow (ML/yr)	0.247	0.247	0
Total Suspended Solids (kg/yr)	88.5	8.11	90.8
Total Phosphorus (kg/yr)	0.145	0.0412	71.6
Total Nitrogen (kg/yr)	0.594	0.321	46
Gross Pollutants (kg/yr)	6.79	0	100



-0

Receiving Node

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GENERAL NOTES

- INLET AND OUTLET PIPING SHALL BE SPECIFIED BY SITE CIVIL ENGINEER (SEE PLANS) AND PROVIDED BY CONTRACTOR
- 2. IF THE PEAK FLOW RATE, AS DETERMINED BY THE SITE CIVIL ENGINEER, EXCEEDS THE PEAK HYDRAULIC CAPACITY OF THE PRODUCT, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED. PLEASE CONTACT STORMWATER360 AUSTRALIA FOR OPTIONS. 3. THE FILTER CARTRIDGE(S) ARE SIPHON-ACTUATED AND SELF-CLEANING. THE ACTUAL NUMBER SHALL BE SPECIFIED BY THE SITE CIVIL ENGINEER ON SITE PLANS OR IN DATA TABLE BELOW. PRECAST STRUCTURE TO BE CONSTRUCTED BY
- SEE STORMFILTER DESIGN TABLE FOR REQUIRED HYDRAULIC DROP. FOR SHALLOW, LOW DROP OR SPECIAL DESIGN
- 5. ALL WATER QUALITY PRODUCTS REQUIRE PERIODIC MAINTENANCE AS OUTLINED IN THE 0&M GUIDELINES. PROVIDE
- 6. STRUCTURE AND ACCESS COVERS DESIGNED TO MEET AUSTROADS T44 LOAD RATING WITH 0.0m T0 2.0m FILL MAXIMUM
- 7. THE STRUCTURE THICKNESSES SHOWN ARE FOR REPRESENTATIONAL PURPOSES AND VARY REGIONALLY. 8. ANY BACKFILL DEPTH, SUB-BASE, AND OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND
- 9. CARTRIDGE HEIGHT IS 460mm (SHOWN). CARTRIDGE HEIGHT AND ASSOCIATED DESIGN PARAMETERS PER
- 10. STORMFILTER BY STORMWATER360 AUSTRALIA: PHONE: 1300 354 722 OR www.stormwater360.com.au



STURIVIVATERSOU AUSTRALIA					
TRIDGE STORMFILTER SYSTEM					
1500 DIA PRECAST MANHOLE					
STANDARD PRODUCT DRAWING					
T.S. FILE NAME: 3C460SFMH_1A DRN: F	.M. CHK:	. M.W.			