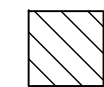


STORMWATER DRAINAGE PLAN

SCALE 1:200

 DENOTES ROOF AREA
DISCHARGING TO 3000L R.W.T.



SIGNAGE FOR EXCAVATION
N.T.S.

HYDRAULIC NOTES

SITE AREA 502.8 m²

PRE DEVELOPMENT
IMPERVIOUS AREA 310 m²
(INCLUDING GARAGE)
PERVIOUS AREA 192.8 m²

POST DEVELOPMENT
IMPERVIOUS AREA 380 m²
PERVIOUS AREA 122.8 m²

INCREASE OF IMPERMEABLE AREA 70 m²
PROVIDE ABSORBTION TRENCH TO ACCOMODATE ADDITIONAL ROOF WATER OF 70 m²

THE EXISTING SUBSTRATA / SAND AND GRAVEL DIR ≈ 1.1 l/m²/sec.
BASE AREA (BA) WIDTH 4m x LENGTH 4m x 3m = 12m²

REQUIRED ABSORBTION SYSTEM VOLUME CALCULATION FOR
100 YEAR STORM
MAX. VOLUME = 3.0m³

PROPOSED ABSORBTION SYSTEM VOLUME

VOLUME OF "EVERGRASS TRENCH" 4 x 0.50 = 2.0m³
RAINFALL TANKS OFFSET (30%) RWT 5000 x 0.30 = 1.5m³

TOTAL PROPOSED ABSORPTION VOLUME 3.5 m³ > 3.0m³ THEREFORE OK

LEGEND

- DP 100x50 RHS DOWN PIPE
- SPREADER PIPE
- — — Ø90 UPVC STORMWATER PIPE @ 1% SLOPE MIN.
- - - Ø150 UPVC STORMWATER PIPE @ 1% SLOPE
- DENOTES DIRECTION OF PIPE FLOW
- DENOTES ROOF FALL

DRAWINGS FOR CC
APPLICATION NOT
FOR CONSTRUCTION

GENERAL DRAINAGE NOTES:

- THIS DRAINAGE PLAN SHOULD BE READ STRICTLY IN ACCORDANCE WITH THE COUNCIL APPROVED ARCHITECTURAL PLANS.
- LOCATION OF DOWN PIPES TO BE CONFIRMED BY ARCHITECT.
- DEPTH AND LOCATIO OF SERVICES TO BE ESTABLISHED PRIOR TO COMMENCEMENT OF DRAINAGE WORKS.
- ALL GUTTERS TO BE 150mm SEMI ROUND MIN. OR EQUIVALENT.
- ALL BALCONIES TO HAVE FLOOR WASTE CONNECTED TO DOWNPIPE.
- ALL DRAINAGE PIPES ARE TO BE UPVC GRADE, U.N.O.
- THE MINIMUM COVER OVER ALL DRAINAGE PIPES IS TO BE 150mm.
- ALL DRAINAGE PIPES ARE TO HAVE A MINIMUM PIPE GRADIENT OF 1%.
- ALL DRAINAGE PITS ARE TO BE INSTALLED WITH A CHILD PROOF SAFETY LATCH ON THE ACCESS PLATE.
- ALL DOWNPIPES ARE TO BE 150x100 RHS
- ALL PITS TO BE CONSTRUCTED ARE SHOWN IN REINFORCED CONCRETE, HOWEVER PRECAST OR BRICK PITS OF SIMILAR SIZE AND CONSTRUCTION AND TO THE SAME LEVELS ARE ACCEPTABLE.
- ALL EXTERNAL IMPERVIOUS AREAS TO HAVE A COLLECTION OUTLET TO THE SILT ARRESTOR PIT.
- THE DOWNHILL BOUNDARY OF THE SITE IS TO BE PROTECTED BY HAY BALES OR A FILTER FABRIC FENCE DURING THE CONSTRUCTION PERIOD. REFER TO DETAIL.
- THE DOWNSTREAM STREET DRAINAGE PIT NEAREST TO THE SITE SHALL BE PROTECTED FROM SEDIMENTS WITH HAY BALES.
- A SINGLE CONSTRUCTION ENTRANCE MUST BE PROVIDED DURING THE WORKS.
- SEDIMENT CONTROL DEVICES MUST BE PLACED PRIOR TO ANY SITE SURFACE DISTURBANCES AND MUST REMAIN IN PLACE UNTIL THE SITE IS PAVED AND/OR TURFED.

05	REVISED FOR CONSTRUCTION CERTIFICATE	20.11.19
04	RE-ISSUED FOR CONSTRUCTION CERTIFICATE	04.07.19
03	RE-ISSUED FOR CONSTRUCTION CERTIFICATE	28.11.18
02	RE-ISSUED FOR CONSTRUCTION CERTIFICATE	05.09.18
01	ISSUED FOR CONSTRUCTION CERTIFICATE	28.08.18

N. KOLOFF & ASSOCIATES

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DESCRIPTION OF WORKS AT :
STORMWATER DRAINAGE PLAN
FOR PROPOSED RESIDENTIAL
DEVELOPMENT No.8 COOKSEY AVE
FRESHWATER NSW 2096

INDEX 1018 / 2018
SHEET C1.00 05
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Registration No.616868

STORMWATER DRAINAGE PLAN

DATE : AUG. 18'