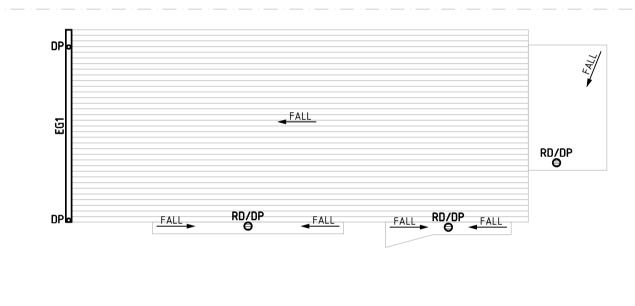


## GRANNY FLAT GROUND FLOOR DRAINAGE & PART SITE STORMWATER MANAGEMENT PLAN 1:100



GRANNY FLAT ROOF DRAINAGE PLAN 1:100

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PROJECT

14 NARRABEEN PARK PARADE, WARRIEWOOD

DRAWING

GRANNY FLAT STORMWATER MANAGEMENT PLAN

DATE MAR 2016

PROJECT NUMBER

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DI 1

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	— 200 DIAMETER GRATE
	WATER PROOF MEMBRANE TO ARCHITECTS DETAILS
	— ROOF STRUCTURE
	100mm Ø PVC PIPE FALL AS SHOWN ON PLAN
'RD' ROOF DRAIN DETAIL	
1:10	

STORMWATER NOTES:

ACCORDANCE WITH AS3500.

AS PER COUNCIL STANDARDS.

STANDARDS AND SPECIFICATIONS.

11. ALL LEVELS SHOWN ARE TO AHD.

CLEAR FROM TREE ROOT SYSTEMS.

OUT USING HAND TOOLS ONLY.

INV - INVERT

1. ALL PIPES TO BE 100mm Ø UNLESS NOTED OTHERWISE.
2. ALL PIPES TO BE uPVC UNLESS NOTED OTHERWISE.

3. ALL PIPES TO BE LAID AT 1 % MINIMUM GRADE UNLESS NOTED OTHERWISE.

4. ALL PIPES SHALL BE LAID ON A 75mm SAND BED, COMPACTED TO 100% S.M.D.D. BELOW PAVEMENTS. (NO COMPACTION REQUIRED BELOW LANDSCAPING) COVER TO SURFACE FROM TOP OF PIPE TO BE 300mm MINIMUM. BACKFILL TO BE ADEQUATELY CONSOLIDATED AROUND PIPES BY METHOD OF RAMMING AND WATERING IN. TRENCHES TO BE FILLED WITH GRANULAR MATERIAL AS SPECIFIED.

5. ALL PIPES SHOWN ON PLAN ARE SHOWN INDICATIVELY ONLY & MINIMUM CLEARANCES FROM THE EXTERNAL WALLS OF BUILDINGS, FOR THE EXCAVATION OF TRENCHES, ARE TO BE PROVIDED IN

6. ALL DOWN PIPES TO BE 90mm Ø UNLESS NOTED OTHERWISE. 7. DOWN PIPE LOCATIONS ARE INDICATIVE ONLY. LOCATIONS TO BE

CONFIRMED WITH ARCHITECT PRIOR TO COMMENCEMENT OF WORK.

9. ALL PITS GREATER THAN 1000mm DEEP SHALL HAVE STEP IRONS

12. ENSURE THAT ALL PITS AND STORMWATER PIPES ARE LOCATED

13. EXCAVATION OF TRENCHES ADJACENT TO TREES TO BE CARRIED

14. ALL EXISTING EARTHENWARE PIPES TO BE UPGRADED TO uPVC.

17. PROVIDE FALLS IN SURFACES TO ALL PITS, GRATED DRAINS & FLOOR DRAINS IN ACCORDANCE WITH AS3500 & ARCHITECT'S DETAILS.

PRE DEVELOPMENT IMPERVIOUS AREA:

INCREASE IN IMPERVIOUS AREA:

PITTWATER COUNCIL POLICY.

DP 100 DIAMETER PVC DOWNPIPE
EG1 QUAD 150 EAVES GUTTER
RD 200 DIAMETER ROOF DRAIN

POST DEVELOPMENT IMPERVIOUS AREA:

AS THE INCREASE IN IMPERVIOUS AREA IS LESS THAN 50m<sup>2</sup>, OSD IS NOT REQUIRED IN ACCORDANCE WITH

RL65.15 DENOTES EXISTING LEVELS
• RL65.15 DENOTES PROPOSED LEVELS

 $666.3 \, m^2$ 

 $297.4 \, m^2$ 

 $328.9 \, m^2$ 

 $31.5 m^2$ 

8. PROVIDE CLEANING EYES AT ALL DOWNPIPES U.N.O.

15. ALL WORKS TO BE IN ACCORDANCE WITH AS 3500.
16. THE FOLLOWING ABBREVIATIONS DENOTE:
FSL - FINISHED SURFACE LEVEL

**AREA CALCULATIONS** 

SITE AREA:

MARK SIZE/TYPE

ExPIT EXISTING PIT

10. ALL WORK TO BE IN ACCORDANCE WITH LOCAL COUNCIL