

SITE INFORMATION SUMMARY

609 m

NORTHERN BEACHES (WARRINGAH) COUNCIL

**DEVELOPMENT TYPE NEW DEVELOPMENT** 

SITE AREA

OSD CALCULATION SUMMARY

ı		
	EXISTING IMPERVIOUS AREA	107 m <sup>2</sup> (18 %)
	PROPOSED IMPERVIOUS AREA	366.6m <sup>2</sup> (60 %
	RWT REQUIREMENT	$2.7~\text{m}^{-3}$
I	OSD REQUIREMENT	12.2 m <sup>3</sup>
I	OSD AFTER RWT OFFSET	9.5 m <sup>3</sup>
I	TOTAL STORAGE REQUIRED	12.2 m <sup>3</sup>

BUILDER TO PROVIDE SUBSOIL DRAINAGE WHERE REQUIRED

#### **LEGEND**

DP1 • 100 Ø uPVC DOWNPIPE DIRECTED TO

RWT

DP2 • 100 Ø uPVC DOWNPIPE DIRECTED TO

HED

400 (W) x 130 (D) BOX GUTTER IN BG1

ACCORDANCE WITH AS3500.3

400 (W) x 400 (L) x 400 (D) RAINHEAD

IN ACCORDANCE WITH AS3500.3

100mm Ø STORMWATER PIPELINE, UNO

150 (W) x 50 (D) GRATED DRAIN

NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE

DEVELOPERS & EXCAVATORS MAY BE HELD FINANCIALLY RESPONSIBLE BY THE ASSET OWNER SHOULD THEY DAMAGE UNDERGROUND NETWORKS

- CARELESS DIGGING CAN:

   CAUSE DEATH OR SERIOUS INJURY TO WORKERS AND THE GENERAL PUBLIC

   INCONVENIENCE USERS OF ELECTRICITY, GAS, WATER AND COMMUNICATIONS
- LEAD TO CRIMINAL PROSECUTION AND DAMAGES CLAIMS
  CAUSE EXPENSIVE FINANCIAL LOSSES

- TO BUSINESS
  CUT OFF EMERGENCY SERVICES
  DELAY PROJECT COMPLETION TIMES
  WHILE THE DAMAGE IS REPAIRED

MINIMISE YOUR RISK AND DIAL BEFORE YOU DIG. - TEL.

SIMONE MAGAS Architect RAPID PLANS ISSUED FOR DA SUBMISSION 26/5/19 REVISION AMENDMENT



2/25 Seabeach Avenue, Mona Vale ABN - 90 625 916 341

Project
23 GREENWOOD AVENUE
23 GRELINWOOD AVENUE
NARRAWEENA

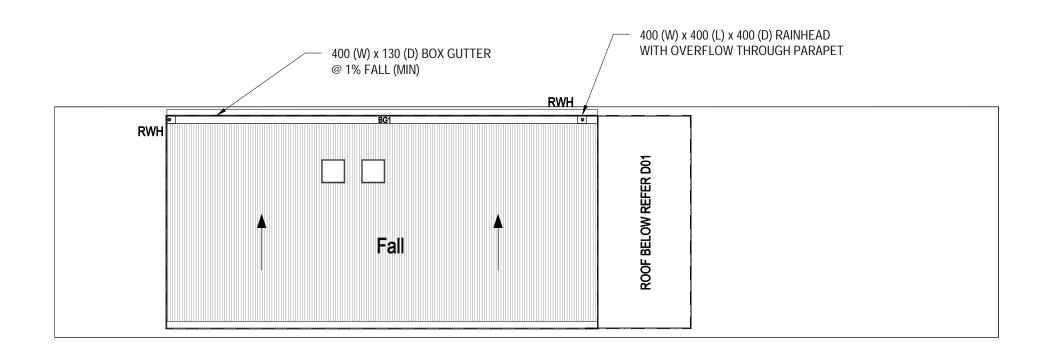
EG EG 26/5/2019 Checked Approved EG 1:200 EG Drawing number Revision

SITE DRAINAGE PLAN

www.dialbeforeyoudig.com.au

1100 BEFORE YOU DIG

D01



## ROOF DRAINAGE PLAN

SCALE 1:200

ISSUE FOR DA

			SIMONE MAGAS
			RAPID PLANS
-	ISSUED FOR DA SUBMISSION	26/5/19	
REVISION	AMENDMENT	DATE	



NARRAWEENA			
Title			
DETAILS			

23 GREENWOOD AVENUE

Drawn	Designed	Date		
EG	EG	26/5/2019		
Checked	Approved	Scale		
EG	EG	1:2	1:200	
Drawing number			Revision	

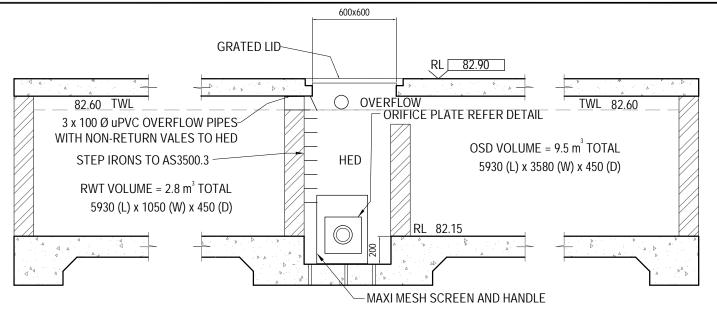
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### NOTES:

- ALL PIPES TO BE 100mm Ø, LAID AT 1 % MINIMUM GRADE AND uPVC TO AS 1254.2002 U.N.O.
- ALL PIPES SHALL BE LAID ON A 75mm SAND BED, COMPACTED TO 100% S.M.D.D. BELOW PAVEMENTS.

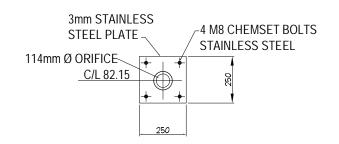
  ( NO COMPACTION REQUIRED BELOW LANDSCAPING )

  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.
- DOWN PIPE LOCATIONS ARE INDICATIVE ONLY. LOCATIONS TO BE CONFIRMED WITH ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
- PROVIDE CLEANING EYES AND LEAF CATCHERS TO ALL DOWNPIPES
- ALL WORK TO BE IN ACCORDANCE WITH LOCAL COUNCIL STANDARDS AND SPECIFICATIONS.
- ALL LEVELS SHOWN ARE TO AHD
- ENSURE THAT ALL PITS AND STORMWATER PIPES ARE LOCATED CLEAR FROM TREE ROOT SYSTEMS.
- ALL EXISTING EARTHENWARE PIPES TO BE UPGRADED TO uPVC.
   ALL WORKS TO BE IN ACCORDANCE WITH AS 3500-2003 NATIONAL PLUMBING DRAINAGE CODE PART 3 STORMWATER DRAINAGE.
- SUB-SOIL DRAINS ARE TO BE INSTALLED IN ACCORDANCE WITH AS3500.3 ALONGSIDE WALLS THAT IMPEDE THE NATURAL FLOW OF GROUNDWATER. THIS MAY ALSO INVOLVE TRENCHING INTO THE CLAY OR ROCK SUBGRADE TO DIRECT GROUNDWATER AWAY FROM STRUCTURES.
- EXISTING ROOF DRAINAGE AND SITE DRAINAGE SYSTEM TO BE CHECKED AND UPGRADED AS REQUIRED. BUILDER TO INSPECTION AND UPGRADE DRAINAGE IN ACCORDANCE WITH AS 3500.3 IF REQUIRED.
- THE RAINWATER TANK IS TO BE INSTALLED AND USED AS PER BASIX REQUIREMENTS AND SYDNEY WATER AND NSW HEALTH REQUIRMENTS FOR NON DRINKING USE ONLY
- ALL CONNECTIONS TO PLUMBING AND RAINWATER TANKS TO BE IN ACCORDANCE WITH SYDNEY WATERS' GUIDE "INSTALLING A RAINWATER TANK" AVAILABLE AT www.sydneywater.com.au
- PROVIDE A DUAL SUPPLY SYSTEM AND BACKFLOW PREVENTION SYSTEM IN ACCORDANCE WITH 'BASIX-DESIGN GUIDE FOR SINGLE DWELLINGS' BY NSW DEPARTMENT OF INFRASTRUCTURE, PLANING AND NATURAL RESOURCES.
- IF NOT SPECIFIED ON PLANS, THE FIRST FLUSH SYSTEM IS TO HAVE A MINIMUM SIZE OF 20L PER 100m2 OF ROOF CATCHMENT AREA PRIOR TO ENTERING THE RAINWATER TANK. INDIVIDUAL SITE ANALYSIS IS REQUIRED IN HEAVILY POLLUTED AREAS TO DETERMINE IF LARGER VOLUMES OF FIRST FLUSH RAINWATER ARE TO BE DIVERTED. IF IN DOUBT, CHECK WITH LOCAL HEALTH AUTHORITIES.
- SCREENED DOWNPIPE RAINWATER HEAD OR OTHER SUITABLE LEAF AND DEBRIS DEVICE TO BE INSTALLED ON EACH DOWNPIPE. SCREEN MESH TO BE 4-6mm AND DESIGNED TO BE SELF-CLEA!
- FIRST FLUSH DEVICES, OR APPROVED ALTERATIVE, TO BE INSTALLED WITH AN AUTOMATED DIVERSION AND DRAINAGE SYSTEM, THAT IS, NO MANUAL DIVERSION AND DRAINAGE VALVES. REFER TYPICAL FLUSH OUT PIT FOR DETAILS.
- BEFORE PURCHASING MATERIALS OR PAINT TO BE USED ON ROOF CATCHMENT AREAS, THE MANUFACTURER'S RECOMMENDATIONS ON LABELS AND BROCHURES FOR RAINWATER TANK SUITABILITY TO BE READ AND ADHERED TO.
- BUILDER/PLUMBER TO ENSURE THE INSTALLATION OF THE RAINWATER TANK SYSTEM IS IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS AND THE RAINWATER TANK DESIGNAND INSTALLATION HANDBOOK HB 230-2008. IF IN DOUBT CONTACT ENGINEER.
- RAINWATER TANK TO BE WATER PROOFED IN ACCORDANCE WITH HB 230-200B
- ORIFICE PLATE TO BE INSTALLED PRIOR TO THE INSTALLATION OF THE ROOF DRAINAGE SYSTEI AND CONNECTION OF THE STORMWATER SYSTEM TO THE OSD TANK



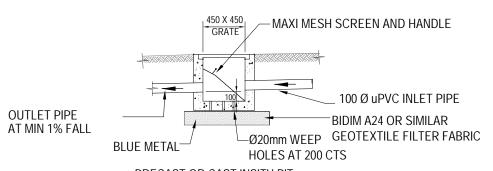
# OSD AND RWT TANK DETAIL

SCALE = NTS



# ORIFICE PLATE DETAIL

SCALE = NTS



PRECAST OR CAST INSITU PIT
REFER STORMWATER NOTES
ALTERNATIVE POLYPROPYLENE PIT BY MANUFACTURER

# 450x450 PIT DETAIL

SCALE = NTS

ISSUE FOR DA

			SIMONE MAGAS	
			Architect RAPID PLANS	
-	ISSUED FOR DA SUBMISSION	26/5/19		
REVISION	AMENDMENT	DATE		



2/25 Seabeach Avenue, Mona Vale ABN - 90 625 916 341

23 GREENWOOD AVENUE	Drawn Designed EG		<sup>Date</sup> 26/5/2019	
NARRAWEENA	Checked EG	Approved EG	Scale	
Title	Drawing number			Revision
DETAILS		DO3		-