STORMWATER DRAINAGE NOTES:

- ALL PIPES TO BE 100mm Ø uPVC, LAID AT 1% MINIMUM GRADE TO AS1254.2002 U.N.O.
- ALL PIPES SHALL BE LAID ON A 75mm SAND BED. COMPACTED TO 100% S.M.D.D BELOW PAVEMENTS. (NO COMPACTION IS REQUIRED BELOW LANDSCAPING).
- COVER TO SURFACE FROM TOP OF PIPE TO BE 300mm MINIMUM. BACKFILL TO BE ADEOUATELY CONSOLIDATED AROUND PIPES BY METHOD OF RAMMING AND WATERING IN. TRENCHES TO BE FILLED WITH GRANULAR MATERIAL AS SPECIFIED.
- DOWNPIPE 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 AS3500.3-2003 NATIONAL PLUMBING AND DRAINAGE CODE PART 3 - STORMWATER DRAINAGE.
- SUBSOIL 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 INSPECT AND UPGRADE DRAINAGE IN ACCORDANCE WITH AS3500.3 IF REQUIRED.

RAINWATER STORAGE / REUSE NOTES:

- THE RAINWATER TANK IS TO BE INSTALLED AND USED AS PER BASIX REQUIREMENTS AND SYDNEY WATER AND NSW HEALTH REQUIREMENTS FOR NON DRINKING USE ONLY.
- ALL CONNECTIONS TO PLUMBING AND RAINWATER TANKS IS TO BE IN ACCORDANCE WITH SYDNEY WATERS 'GUIDE TO INSTALLING A RAINWATER TANK' AVAILABLE AT: WWW.SYDNEYWATER.COM.AU.
- PROVIDE DUAL SUPPLY SYSTEM AND BACKFLOW PREVENTION SYSTEM IN ACCORDANCE WITH 'BASIX - DESIGN GUIDE FOR SINGLE DWELLINGS' BY NSW DEPARTMENT OF INFRASTRUCTURE, PLANNING AND NATURAL RESOURCES.
- IF NOT SPECIFIED ON PLANS. THE FIRST FLUSH SYSTEM IS TO HAVE A MINIMUM SIZE OF 20L PER 100 m2 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-CLEANING.
- FIRST FLUSH DEVISED, OR APPROVED ALTERNATIVE TO BE INSTALLED WITH AND 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 DESIGN AND INSTALLATION HANDBOOK - HB 230- 2008, IF IN DOUBT CONTACT **FNGINFFR**.
- RAINWATER TANK TO BE WATERPROOFED IN ACCORDANCE WITH HB-230-2008.
- · ORIFICE PLATE (IF APPLICABLE) TO BE INSTALLED PRIOR TO THE INSTALLATION OF THE ROOF DRAINAGE SYSTEM AND CONNECTION OF THE STORMWATER SYSTEM TO THE OSD TANK.

LEGEND

DP1 - xxx • DP1 - 100mm Ø DOWNPIPE TO RWT/OSD TANK xxx - ROOF CATCHMENT AREA TO DOWNPIPE

SP 🔒

100mm Ø DOWNPIPE SPREADER TO LOWER ROOF

100mm Ø uPVC STORMWATER PIPELINE, UNO

GDE

150 (W) x 150 (D) GRATED DRAIN



GRAVITY LINE PROVIDE 1% (MIN) FALL, UNO.



CHARGED LINE PROVIDE SEWER GRADE PIPE, UNO

- PIPELINE SUSPENDED FROM SOFFIT OVER SS
- RL REDUCED LEVEL TO AHD
- IL INVERT LEVEL OF OUTLET TO AHD
- Gl INVERT LEVEL OF GUTTER TO AHD

SITE INFORMATION SUMMARY

COUNCIL

NORTHERN BEACHES (PITTWATER)

702.4 m² SITE AREA

EXISTING IMPERVIOUS AREA 365 m² (52%) PROPOSED IMPERVIOUS AREA 386 m² (55%)

INCREASE 21 m²

SINCE THE INCREASE IN IMPERVIOUS AREA IS LESS THEN 50 m², OSD IS NOT REQUIRED FOR THIS DEVELOPMENT.

DIAL BEFORE YOU DIG NOTICE

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 EXPERIENCE FINANCIAL LOSSES

- 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. 1100



	N/ATT 0 1/511\/\/AL5
	MATT & KELLY VALE
	Architect

ISSUE FOR DA SUBMISSION 22/02/21 REVISION AMENDMENT DATE

RAPID PLANS



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

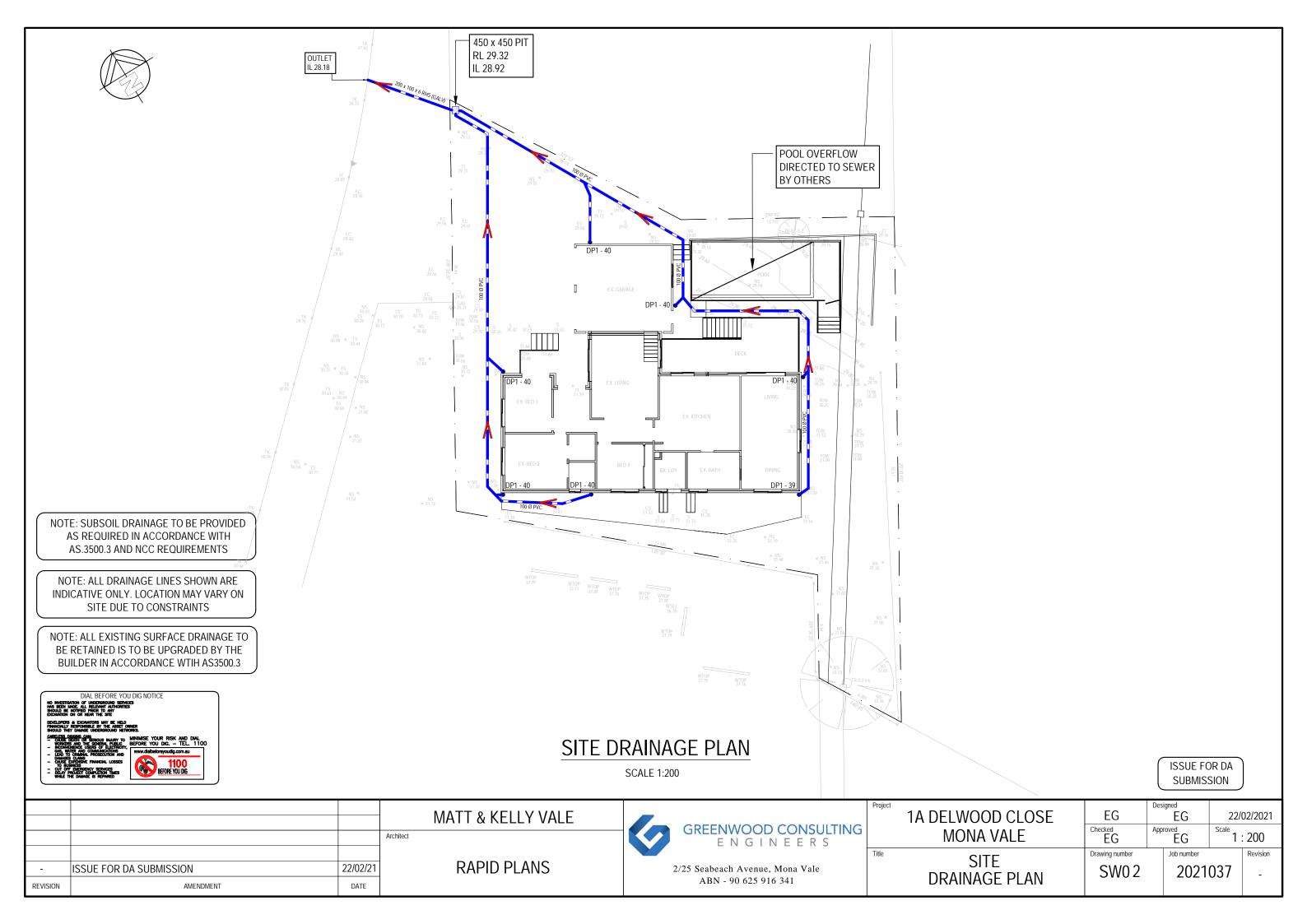
ojeci	1A DELWOOD CLOSE
	MONA VALE

EG EG 22/02/2021 Checked Approved 1:200 ĔG EG Drawing number Job number Revision

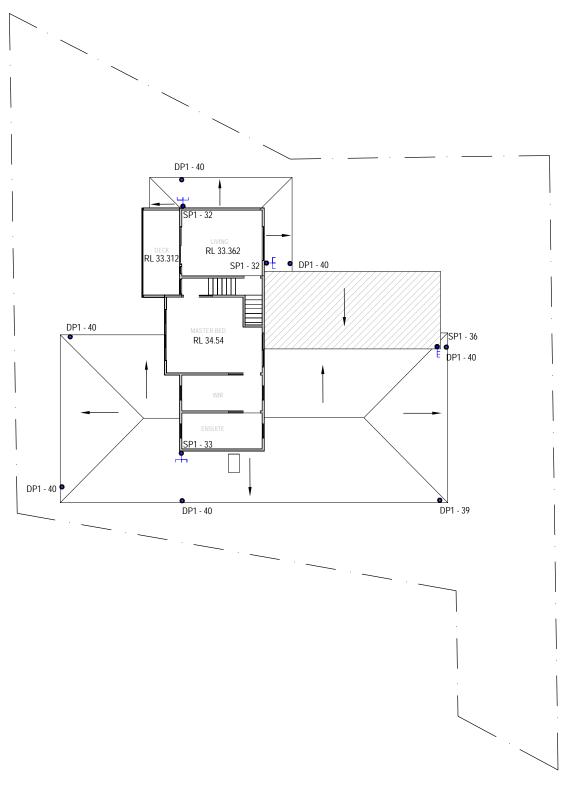
GENERAL NOTES

SW01

2021037







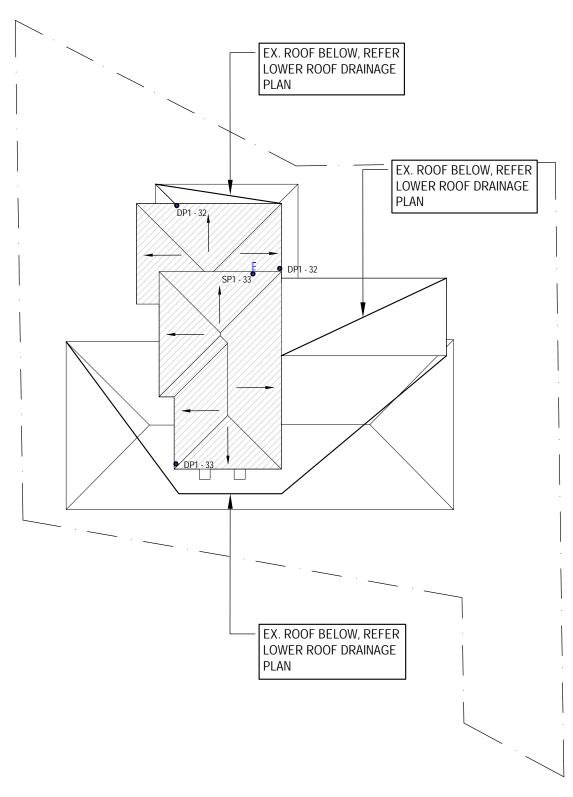
LOWER ROOF DRAINAGE PLAN

SCALE 1:200

ISSUE FOR DA SUBMISSION

		MATT & KELLY VALE	GREENWOOD CONSULTING	1A DELWOOD CLOSE	EG Checked	Designed EG Approved	22/02/2021 Scale
		Architect	ENGINEERS TITLE	<u> </u>	Checked EG Drawing number	Job number	1 : 200 Revision
-	ISSUE FOR DA SUBMISSION 22/02/2	RAPID PLANS	2/25 Seabeach Avenue, Mona Vale	LOWER ROOF DRAINAGE PLAN	SW03	2021	1037 -
REVISION	AMENDMENT DATE		ABN - 90 625 916 341	DRAINAGE PLAN			



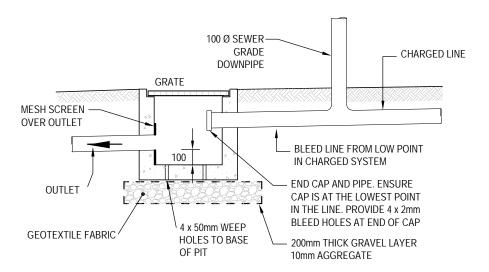


UPPER ROOF DRAINAGE PLAN

SCALE 1:200

ISSUE FOR DA SUBMISSION

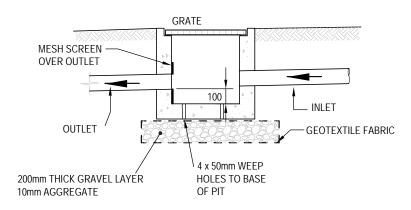
		MATT & KELLY VALE	GREENWOOD CONSULTING	1A DELWOOD CLOSE	EG Checked	Designed EG	22/02/2021 Scale
		Architect	ENGINEERS Title		Checked EG Drawing number	Approved EG Job number	1 : 200
	ISSUE FOR DA SUBMISSION 22/02/2	RAPID PLANS	2/25 Seabeach Avenue, Mona Vale ABN - 90 625 916 341	UPPER ROOF	SW04	2021	037 -
REVISION	AMENDMENT DATE		1151()0 020 /10 011	DRAINAGE PLAN			



NOTE: END CAP TO BE CLEANED REGULARLY

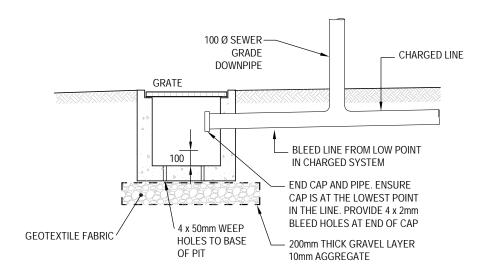
CLEAN-OUT PIT DETAIL (WITH OUTLET)

SCALE = NTS



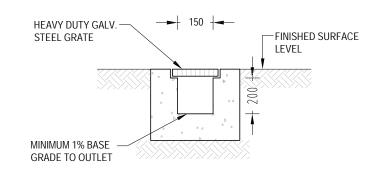
ALTERNATIVE POLYPROPYLENE PIT BY MANUFACTURER

PIT DETAIL SCALE = NTS



NOTE: END CAP TO BE CLEANED REGULARLY

CLEAN-OUT PIT DETAIL (NO OUTLET) SCALE = NTS



GRATED DRAIN DETAIL (GDE)

SCALE = NTS

ISSUE FOR DA **SUBMISSION**

			MATT & KELLY VALE
			IVIATI & NELLT VALL
			Architect
-	ISSUE FOR DA SUBMISSION	22/02/21	RAPID PLANS
REVISION	AMENDMENT	DATE	
REVISION	AWENDWENT	DATE	



2/25	Seabeach	Avenue,	Mona	Vale
	ABN - 9	0 625 91	6 341	

Project 1A C	DELWOOD CLOSE	EG		igned EG	22/02/2021	
	MONA VALE		Checked Approved EG		Scale 1:200	
Title		Drawing number		Job number		Revision
	DETAILS			2021037		-