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 ADEQUATELY 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.

Α

REVISION

REVISED RWT LOCATION

ISSUE FOR DA SUBMISSION

- 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 NFRASTRUCTURE, 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

AMENDMENT

- 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 BOUNDARY PIT

xxx - ROOF CATCHMENT AREA TO DOWNPIPE

100mm Ø DOWNPIPE SPREADER TO LOWER ROOF

SP 🔒 100mm Ø uPVC STORMWATER

PIPELINE, UNO

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

150 (W) x 200 (D) GRATED DRAIN

CHARGED LINE PROVIDE SEWER GRADE PIPE, UNO

SITE INFORMATION SUMMARY

COUNCIL NORTHERN BEACHES (WARRINGAH) SITE AREA 614 m

EXISTING IMPERVIOUS AREA 234m ²(38%) PROPOSED IMPERVIOUS AREA ²(61%) 375m **INCREASE** 141 m

SINCE THIS IS ALTERATIONS AND ADDITIONS, OSD IS NOT REQUIRED FOR THIS DEVELOPMENT.

RAINWATER RETENTION REQUIREMENTS

RAINWATER TANK REQUIRED (BASIX) 1443 L RAINWATER TANK PROVIDED 2000 L MINIMUM ROOF AREA TO TANK (BASIX) 126 m

MINIMUM TANK RE-USE (BASIX) 1 TAP WITHIN

10m OF POOL

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 EXPENSIVE FINANCIAL LOSSES

CAUSE EXPENSIVE FINANCIAL LOSSES TO BUSINESS
CUT OFF EMERGENCY SERVICES

DELAY PROJECT COMPLETION TIMES WHILE THE DAMAGE IS REPAIRED

Title

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	KIDKWOOD EVVIII V
	KIRKWOOD FAMILY
	Architect

12/11/20

10/11/20

DATE

SITE SPECIFIC DESIGNS

GDE



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

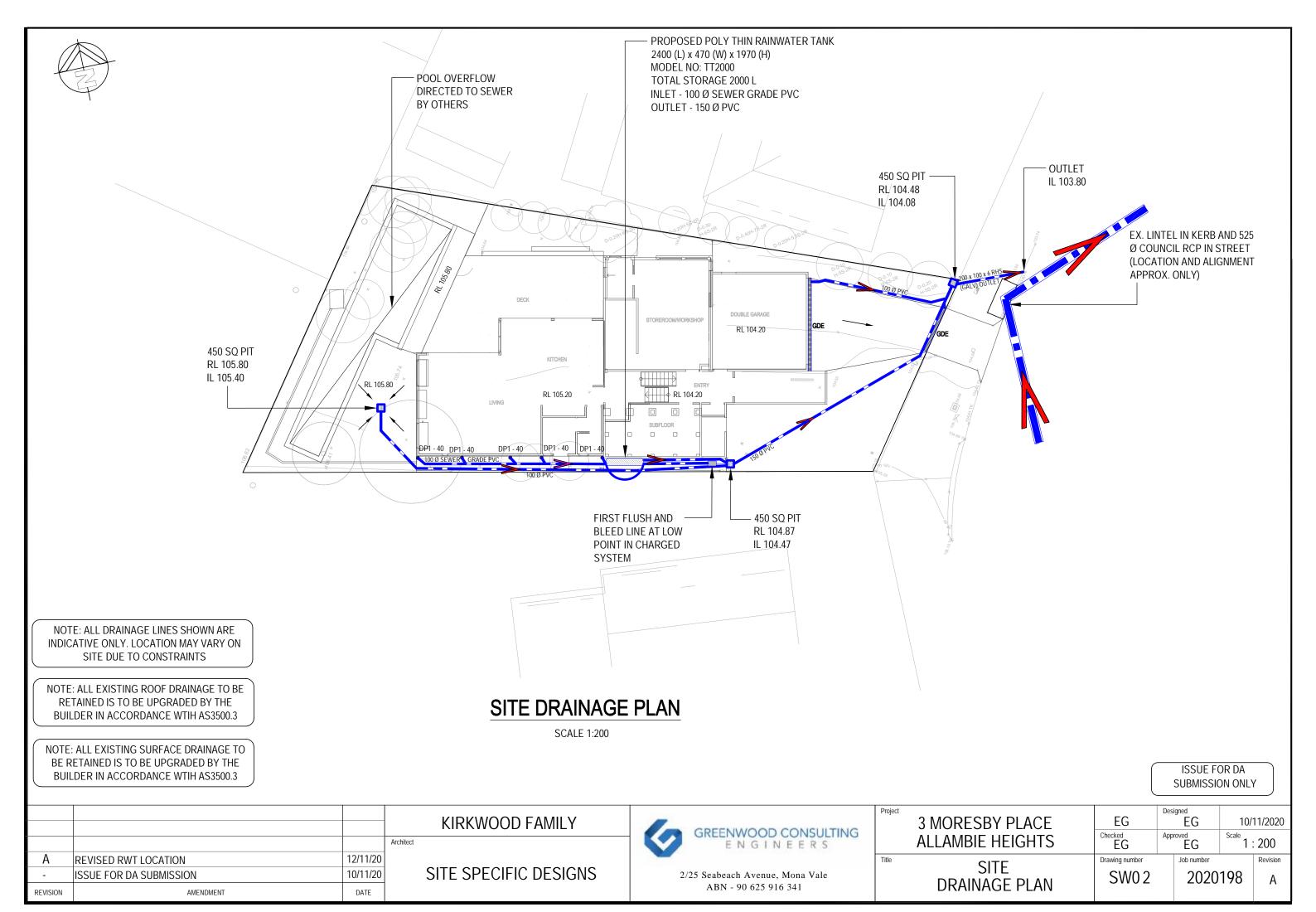
ect	
	3 MORESBY PLACE
	3 MOKESDI PLACE
	ALLAMBIE HEIGHTS

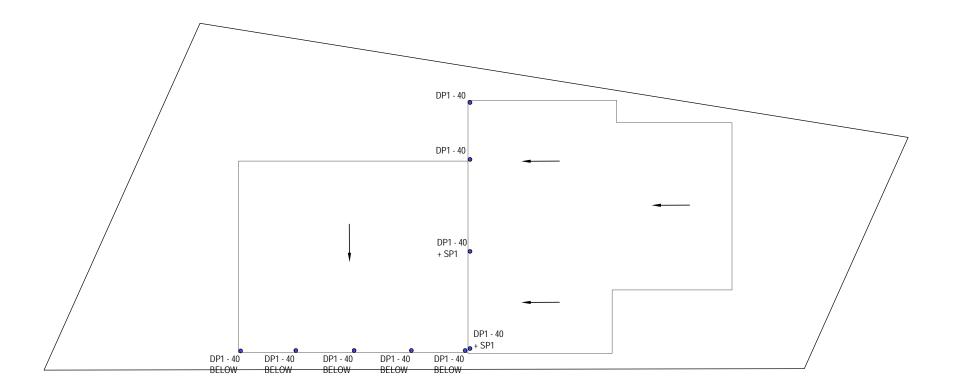
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Checked EG		Approved EG		Scale 1:200		
	Drawing number		Job number		Revision	

GENERAL NOTES

SW01

2020198 Α





ROOF DRAINAGE PLAN

SCALE 1:200

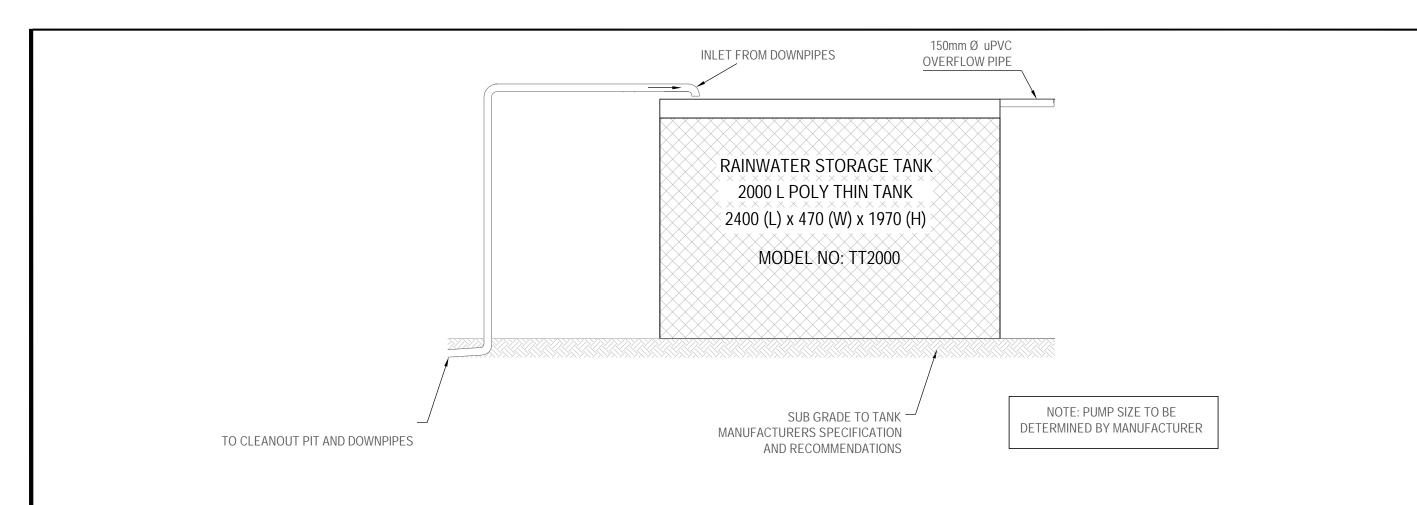
ISSUE FOR DA SUBMISSION ONLY

			KIRKWOOD FAMILY
			Architect
Α	REVISED RWT LOCATION	12/11/20	
-	ISSUE FOR DA SUBMISSION	10/11/20	SITE SPECIFIC DESIGNS
REVISION	AMENDMENT	DATE	



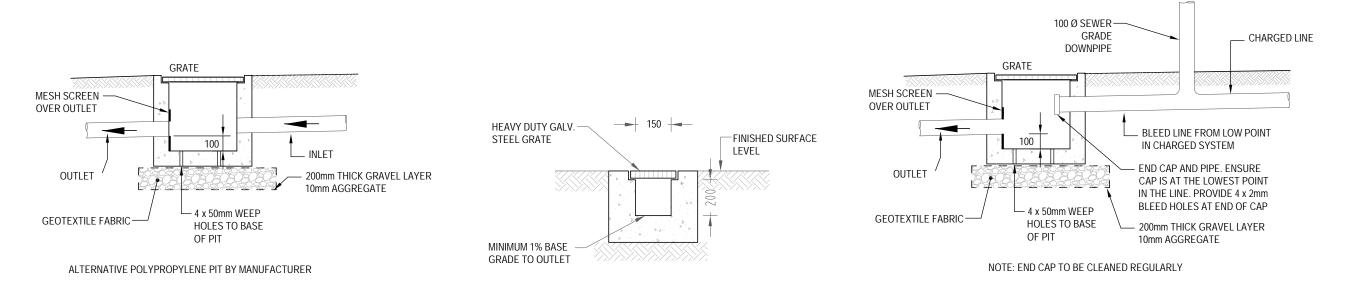
2/25	Seabeach Avenue, Mona Vale	
	ABN - 90 625 916 341	

Project	3 MORESBY PLACE	EG	Desi	igned EG	10/	11/2020
	ALLAMBIE HEIGHTS	Checked EG	App	EG	Scale 1	: 200
Title	DOOL	Drawing number		Job number		Revision
	ROOF DRAINAGE PLAN	SW03		2020	198	А



RAINWATER RE-USE TANK DETAIL

SCALE: NTS



GRATED DRAIN DETAIL (GDE) PIT DETAIL SCALE = NTS

SCALE = NTS

CLEAN-OUT PIT DETAIL

SCALE = NTS

ISSUE FOR DA SUBMISSION ONLY

			KIRKWOOD FAMILY
			Architect
Α	REVISED RWT LOCATION	12/11/20	
-	ISSUE FOR DA SUBMISSION	10/11/20	SITE SPECIFIC DESIGNS
REVISION	AMENDMENT	DATE	

6	GREENWOOD CONSULTING ENGINEERS
2/	25 Seabeach Avenue, Mona Vale

ABN - 90 625 916 341

Project	3 MORESBY PLACE	EG	Desi	igned EG	10/	11/2020
		Checked EG	Approved EG		Scale 1:200	
Title	DETAILO	Drawing number		Job number		Revision
	DETAILS	SW04		2020	198	А