

GROUND FLOOR LAYOUT

REFER TO SHEET 2 FOR RAINWATER TANK DETAILS. LEAF GUTTER GUARDS OR SIMILAR SCREENING RECOMMENDED TO ALL GUTTERS.

WHSA HAZARD IDENTIFICATION: TRENCHING-ALL PERSONS TO FOLLOW THEIR APPROVED SWMS IN RELATION TO BARRICADING DEEP TRENCHES AND WEARING APPROPRIATE CLOTHING. ANY PERSON WORKING INSIDE A TRENCH MUST BE SUPERVISED BY ANOTHER PERSON.

DIAL BEFORE YOU DIG 1100 MUST BE CHECKED BEFORE ANY TRENCHING COMMENCES ON SITE. ANY WORKS NEAR IDENTIFIED SERVICES TO BE CARRIED OUT IN ACCORDANCE WITH THE TRADES SWMS.

INSTALLATION OF DOWNPIPES AND GUTTERING TO BE CARRIED OUT IN ACCORDANCE WITH INSTALLERS APPROVED

HALF ROUND FLAT BACK GUTTER

GRATED DRAIN BY OWNER

PIPE SCHEDULE REFER TO NOTES FOR PIPE CLASS			LEGEND		
			R.L. 0.00	NEW REDUCED LEVEL	
TAG	PIPE DIA.	MIN.GRADE		HED GROUND LEVEL)	
			+ 00, 00	EXISTING LEVEL	
<i>B1</i>	100	CHARGED	S.L. 0.00	SURFACE LEVEL	
			1.L. 0.00	INVERT LEVEL	
<i>B2</i>	100	2%	T.O.W.	TOP OF WALL LEVEL	
<i>D</i> 2	100		G.F.L.0.00	GARAGE FLOOR LEVEL	
C1	450		F.F.L.O.QO	FINISHED FLOOR LEVEL	
C1	150	1%	A,B,C etc.	SEE PIPE SCHEDULE	
	150x100	-	<u> </u>	PIPE LABEL	
D1	GAL. PIPE	1%	PIT P1	SURFACE INLET PIT	
	ONL. III L		PIT OP1	OVERLAND FLOW PIT	
			<u> </u>	90mm. AG. LINE	
			Q DP	DOWNPIPE-SIZE	
	OTHER CHEE	405 1447555	REFER TO	NOTES FOR DP SIZE	
	OTHER SURF		⊕ GP	GULLY PIT	
	BE STRICTLY A SEPARATE		⊕ GP	GARDEN GULLY PIT	
	IER IN ACCOR		= 0/F	OVERFLOW-200x100	
	3500: 3:200.		RWH/S	RAIN WATER HEAD/SUMP	
PART 3.1.2.3.			O SP	DP WITH SPREADER	
			⊕BG	BALCONY GULLY PIT	
RAINWATER TANKS WITH PUMPS			⊕ CE	CLEANING EYE	
	SUPPLY GARDE			GROUND FALL	
IN.	Ternal re—u		1111	100 HIGH EARTH	
	RASIY ASSE	SCMENT	1))))	///	

STORMWATER LAYOUT NOTES

PITS UP TO 600 DEEP TO BE 450 x 450 U.N.O., PITS UP TO 900 DEEP TO BE 600 x 600 U.N.O., PITS UP TO 1200 DEEP TO BE 900 x 600 U.N.O., PITS EXCEEDING 1200 DEEP TO BE 900 SQ. U.N.O. PITS TO BE PRECAST CONCRETE OR RENDERED BRICK WITH CONCRETE HEAVY DUTY GRATES. U.N.O. LIGHT DUTY PITS AND GRATES MAY BE USED ONLY IN LIGHT/FOOT TRAFFICABLE AREAS.
U.N.O. ALL PITS TO BE BENCHED TO DISCHARGE PIPES U.N.O. GAL.
STEP IRONS TO ALL PITS EXCEEDING 900 DEPTH.
—COVER AND SUMP GRATES SHALL COMPLY WITH AS2733 &

AS4198.

—DOWNPIPES TO BE 90 DIA IF CHARGED AND 100 x 50 BOX IF GRAVITY. U.N.O. DP'S SHALL BE INSTALLED IN ACCORDANCE WITH AS3500.3.2:4.11 & AS4198. MAX. ROOF AREA PER DOWNPIPE WITH A NOMINATED GUTTER SIZE TO BE DETERMINED USING MANUFACTURERS SPECIFICATIONS WITH OVERFLOW PROVISIONS BY INSTALLERS.

-PIPES TO HAVE 1% MIN.GRADE U.N.O. BY PIT INVERTS. PIPES TO BE V.C. CLASS 'X' OR U.P.V.C. CLASS STORMWATER PIPE TO AS1254,1260,1273,1477,2179.2 AND WHERE EXPOSED TO DIRECT SUNLIGHT TO HAVE ADEQUATE PROTECTION TO U.V. RADIATION IN ACCORDANCE WITH AS2032. SEWER GRADE/GAL. PIPES AND KERB ADAPTORS TO BE USED WHERE COUNCIL POLICY OR CONSENT

ACQUIRE SOUTH.

-GUTTER OUTLETS SHALL BE FITTED VERTICALLY TO THE SOLE OF
THE EAVE GUTTERS, RAINHEADS TO HAVE AN OVERFLOW DUCT OR
WEIR 50mm BELOW THEIR CREST.

-PROVIDE OVERFLOW SPITTERS TO ALL COVERED BALCONIES/ TERRACES. NOT TO BE DIRECTED ON TO ROOF SURFACES -RISING MAINS (PRESSURE PIPE) TO BE IN ACCORDANCE WITH

-SUBSOIL DRAINS TO BE IN ACCORDANCE WITH AS2439.1 CLASS -SUBSUL DIAINS TO BE IN ACCURDANCE WITH AS2439. 100 TO BE USED ONLY IN SINGLE DWELLINGS. -ALL PIPE JOINTS, VALVES TO BE IN ACCORDANCE WITH AS3500.3.2:2.7 & AS3500.3.2

ASSSUU.S.2:2.7 & ASSSUUS.2 -EXPANSION JOINTS SHALL COMPLY WITH ASS500.3.2:TABLE 4.1 PVC JOINTS AND ACCESSORIES TO COMPLY WITH AS2179.2 &

AS4198.

-ALL TRENCHES TO BE IN ACCORDANCE WITH AS3500.3.2:7.2.8—14.

EMBEDMENT MATERIAL AND TRENCH FILL TO ALL PIPES &

SUBSOIL DRAINS TO BE IN ACCORDANCE WITH AS3500.3.2:7, ALL

WORKS TO BE IN ACCORDANCE WITH AS1254, 1741, 2032, 2733,

2865, 3996, 1260, 1477, 2179.1 & 2,2566, 6367, 8301, ARR97

-IT IS THE BUILDER'S RESPONSIBILITY TO CONFIRM THAT LEVELS AND SURVEYS ARE IN ACCORDANCE WITH LEVELS ON SITE & ARE APPROVED BY COUNCIL & ARCHITECT BEFORE COMMENCING WORK APPROVED BY COUNCIL & ARCHITECT BEFORE COMMENCING WORK.

NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED BELOW
THE MAXIMUM WATER SURFACE LEVEL IN DETENTION BASINS. ALL
BASIN WALLS TO BE WATERTIGHT & STRUCTURALLY DESIGNED BY A
STRUCTURAL ENGINEER.

ALL FENCES WHICH MAY DIVERT FLOW FROM PROPOSED DIRECTION TO BE RAISED 100mm

-BUILDER TO ENSURE ALL DRAINAGE AREAS INCLUDING EXPOSED
BALCONIES TO HAVE OVERFLOW MECHANISM IN PLACE IN THE EVENT
OF BLOCKAGE WITH ADEQUATE OVERFLOW SECTION THROUGH

PLANTERS, PARAPETS ETC.

-ALL EXTERIOR FINISHED GROUND LEVELS TO BE SLOPING AWAY FROM PERIMETER WALLS IN ALL CASES.

-ALL HEADROOM CLEARANCES TO BE COORDINATED BETWEEN BUILDER & ARCHITECT. NOTIFY ENGINEER FOR APPROVAL IF ANY CHANGES OCCUR.

—ALL GULLY POSITIONS ARE DIAGRAMMATIC ONLY— BUILDER SHOULD CONSULT ARCHITECTURALS FOR DIMENSIONS TO LOCATE STORMWATER ELEMENTS U.N.O.

ELEMENTS U.N.O.

—FIRE RATING TO ARCHITECT'S SPECIFICATION.

—ALL FINISHED FLOOR LEVELS ARE NOMINATED BY ARCHITECT.

—ALL SITE SAFETY MEASURES AND WORK METHOD STATEMENTS

PREPARED BY BUILDER/SUB—CONTRACTORS ARE TO BE
IMPLEMENTED DURING CONSTRUCTION. NO WORK IS TO COMMENCE
UNTIL ALL WORKERS CARRY OUT SITE INDUCTION, PREPARED AND
CARRIED OUT BY BUILDER. ANY HAZARD IDENTIFICATION TO BE
REPORTED IMMEDIATELY TO SITE SUPERMISOR TO CARRY OUT
NECESSARY PROCEDURES TO ELIMINATE HAZARD, PRIOR TO
PROCEEDING WITH WORK. STRUCTURAL AND GEOTECHNICAL ADVICE
SHOULD BE SOUGHT IN ALL CASES.

—CONFINED SPACES SIGNAGE TO BE INSTALLED IN ACCESSIBLE
UNDERGROUND TANKS TO WORK COVER SPECIFICATIONS. ALL PITS
EXCEEDING 600mm DEPTH TO HAVE 'J' BOLTS OR SIMILAR
INSTALLED TO GRATES.

—MAINTENANCE DEVICES REO'D BY AUTHORITIES ARE NOT TO BE

-MAINTENANCE DEVICES REQ'D BY AUTHORITIES ARE NOT TO BE

ASSUMED SHOWN ON DRAWINGS. —EARTH MOUNDING SHOWN AS TEMPORARY MEASURE UNTIL LANDSCAPING COMPLETED TO DIRECT FLOWS AS SHOWN.



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N T	REVISIONS				
7	<u> </u>				

ISSUE PRINTS ISSUED TO DATE EMAIL BUILDER/CLIENT 18-7-19

SCALE(A3) 1:200,100 u.n.o. SCALE BAR - 1m INTERVALS DATE JUNE 2019 DRAWN M./. DESIGNED M.A.

APPROVED

P.O. BOX 400 CHERRYBROOK NSW 2126 TELEPHONE: (02) 9980 5515 FAX: (02) 9980 6114

BASIX ASSESSMENT

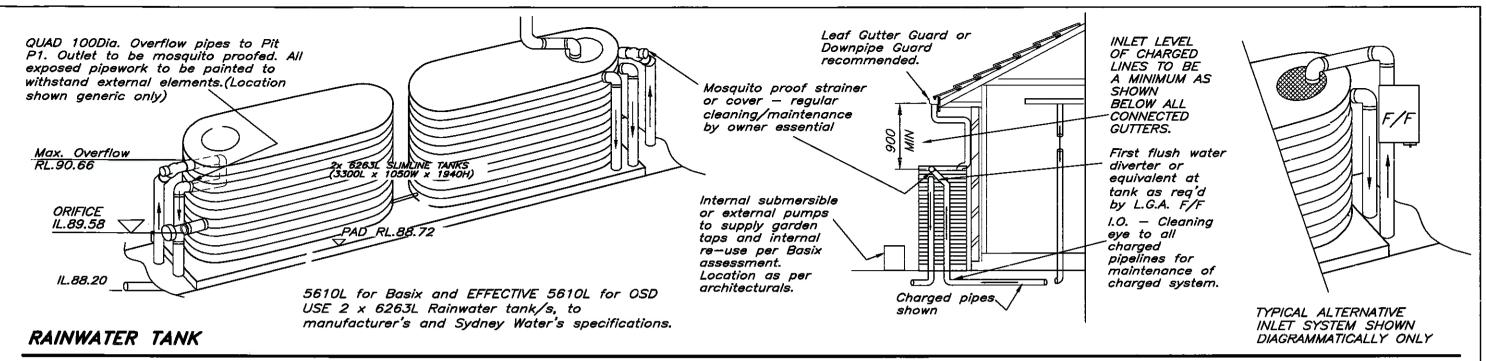
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PROPOSED RESIDENCE AT 11 LAUREL CHASE **FORESTVILLE** FOR MR & MRS. MARTIN

STORMWATER LAYOUT SH.1 **CLARENDON HOMES**

JOB NUMBER C9112-13633 a

SHEET No. of



TANK DETAILS SHOWN ARE A SUGGESTED CONFIGURATION ONLY. ANY MODIFICATIONS TO TANK VOLUME OR INLET AND OUTLET LEVELS MUST BE APPROVED BY ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. TANK SHAPE, & DEVICES SHOWN ARE DIAGRAMMATIC ONLY. MINIMUM OF 450 CLEARANCE (UNLESS L.G.A. REQUIRES LARGER SETBACK) TO SIDE BOUNDARIES MUST BE MAINTAINED. CLIENT IS RESPONSIBLE TO ENSURE COMPLIANCE WITH THIS IN THE INSTALLED STATE.

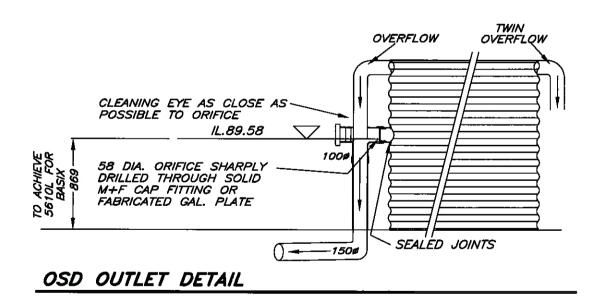
Charged stormwater lines from Roof Areas ONLY to rainwater tank.

All joints to be solvent welded. All exposed pipework to be painted to withstand external elements.

First flush water diverter at tank to comply with Sydney Water and council DCP's. An approved switch system similar to 'Rainbank' to be used via mains. Pumps to manuf. specs. Rain Tank to be installed and maintainted to manufacturers specifications and to comply with all Sydney Water Guidelines. Client to be responsible for maintenance system of charged pipelines. Debris accumulation significantly affects systems performance. Maintenance program essential.

Structural details for tank base by manufacturer or others.
WHSA HAZARD IDENTIFICATION:

INSTALLATION OF RAINTANKS: PLUMBER/SITE SUPERVISOR TO ASSESS ACCESS SUITABILITY PRIOR OR POST SLAB CONSTRUCTION.
INSTALLATION OF TANKS TO BE CARRIED OUT FOLLOWING SWIMS OF TANK SUPPLIER AND PLUMBER. APPROPRIATE GLOVES TO BE WORN
AT ALL TIMES WHILE HANDLING TANKS.



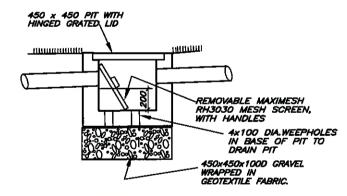
THIS IS AN ON-SITE STORMWATER DETENTION SYSTEM REQUIRED BY YOUR LOCAL COUNCIL

IT IS AN OFFENSE TO REDUCE THE VOLUME OR TO INTERFERE WITH THE ORIFICE PLATE THAT CONTROLS THE OUTFLOW

THE BASE OF THE OUTLET CONTROL PIT AND DEBRIS SCREEN MUST BE CLEANED OF DEBRIS AND SEDIMENT ON A REGULAR BASIS BY THE OWNER.

THIS PLATE MUST NOT BE REMOVED

Signange to be provided adjacent tanks Size: 110 mm x 80mm



SILT ARRESTOR PIT - P1

WHSA
ALL NEARBY SERVICES TO BE LOCATED PRIOR EXCAVATIONS.
ALL PIPES TO BE CUT FLUSH WITH PIT WALLS AND SPARGED.
PITS EXCEEDING BOOMM IN DEPTH TO HAVE LOCK DOWN MECHANISM.
SAFETY GEAR TO BE WORN AT ALL TIMES. INCLUDING FOOTWEAR, CLOTHING
AND GLOVES AS PER SWIMS.

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BUILDER/CLIENT TO ENSURE THAT ALL SAFETY MEASURES ARE TAKEN DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, SAFETY FENCING, SIGNAGE, OBTAINING STRUCTURAL AND GEOTECHNICAL ADVICE WHERE EXCAVATIONS ARE NEAR STRUCTURES OR SERVICES, SAFETY MEASURES RECOMMENDED BY PRODUCT SUPPLIERS ETC.

a	REVISIONS					

ISSUE	PRINTS	ISSUED TO	DATE
1	EMAIL	BUILDER/CLIENT	18-7-19

SCALE(A3) 1:200,100 u.n.o.

SCALE BAR - 1m INTERVALS

DATE JUNE 2019

DRAWN M.I.

DESIGNED M.I.

APPROVED



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STORMWATER
DETAILS SH. 1

JOB NUMBER C9112-1

BUILDER
CLARENDON HOMES SHEET No.

2 of 2